DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 4720-15-050
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Steven & Kristen Johnson — APPLICATION DATE 7-17-15
ADDRESS: 109 G Michigan Dr Mooresville NC — DATE EVALUATED: 8-6-15
PROPOSED FACILITY: ~~2000~~ 3 Bedroom — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: 3.00 ac
LOCATION OF SITE: 1268 Shinnville Rd — 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
B 1	LSS 5%	0-6	YR CL wFSBk	Fr SS SP SE P		49"	—	—	PS .25
		6-22	R C MFABk	Fi S P SE P	com YB				
		22-29	R C/CL wFSBk	Fi SS SP SE P	few SP, few transition	YB @			
		25-49	YR CL wFSBk	Fr SS SP SE P	com SP				
B 2	LSS 7%	0-4	YR CL wFSBk	Fr SS SP SE P		few 45"	PS	— Need LP, T	PS .225 @ 45"
		4-34	R C MABk	Fi S P SE P	com/many YB, Chr3				
		34-39	R C/CL wFSBk	Fi SS SP SE P	com RC				
		39-45	YR CL wFSBk	Fr SS SP SE P	com SP				
		45-48	V-r SL SCpR	Fr SS SP SE P	com RCC				
P 1	LSS/gully 10-12%	0-5	B SCL Gr	Fr SS SP SE P		26"	PS	—	PS .35 > 16"
		5-10	YR C wFSBk	Fr SS SP SE P	few YB				
		10-16	RC BFABk	Fi S P SE P					
		16-26	RC WFSBk/ABk	Fi S P SE P	com SP				
		26-54	V-r SL SCpR	Fr SS SP SE P	few/com RC veins				
		54-72	V-r SL SCpR	Fr SS SP SE P	few RC veins				
P 2	LSS 10%	0-5	B SCL Gr	Fr SS SP SE P		72"	—	—	PS .25
		5-8	YR C wFSBk	Fr SS SP SE P					
		8-32	RC MFSABk	Fi S P SE P	few/com YB				
		32-48	RC MFSBk/MBk	Fi S P SE P	few YB, few SP				
		48-72	R CL wFSBk	Fr SS SP SE P	few SP				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Gravity 25%	Gravity 25%
Site LTAR	0.225	0.225

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: AP
OTHER(S) PRESENT: None

COMMENTS: Install 36" deep trenches

SOIL/SITE EVALUATION

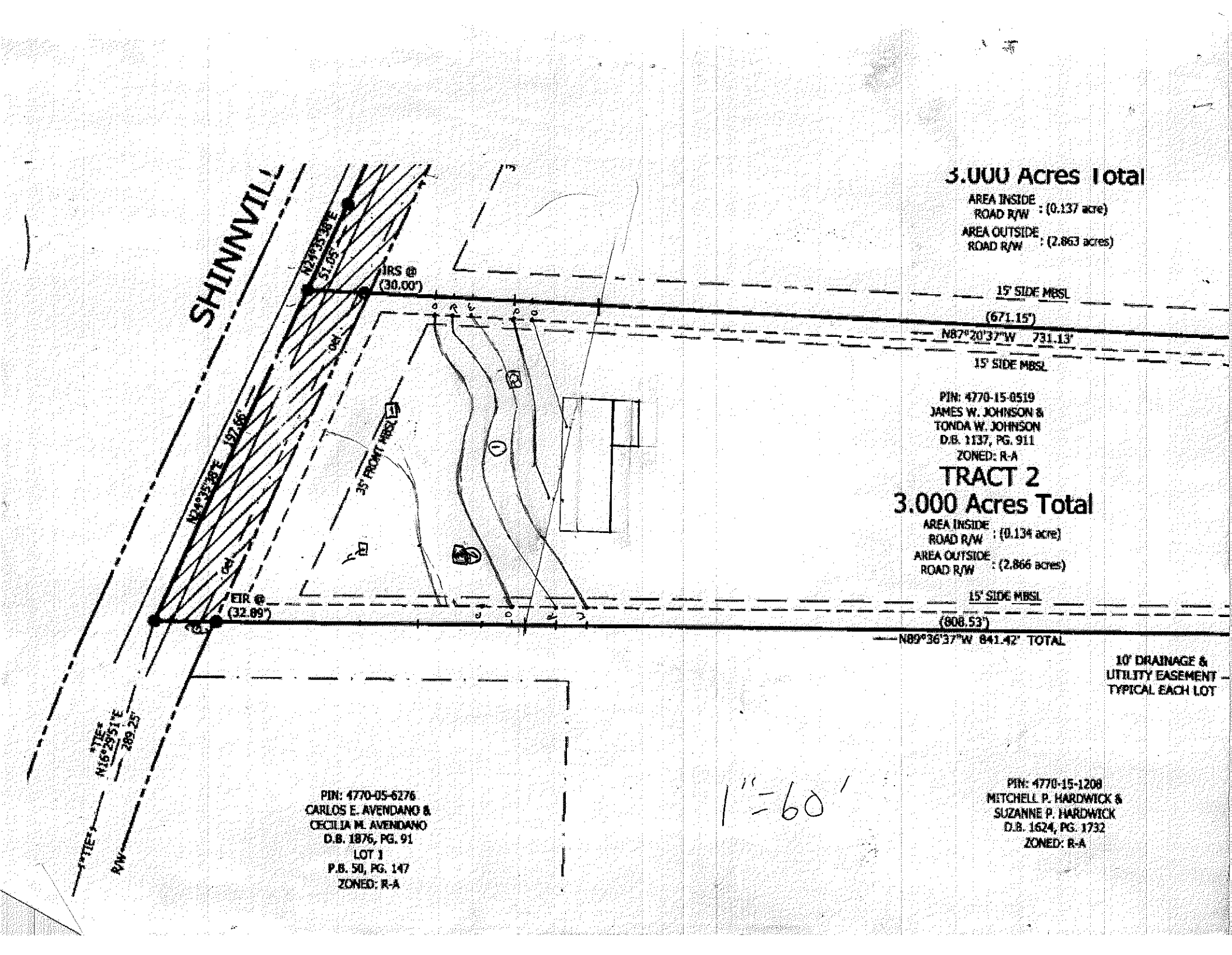
(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4770-15-0580
DATE OF EVALUATION: 8-6-15
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 3	LSS	0-6	DSCL GR	FR SS SP SE SP		54"	PS	—	PS .225
		6-13	YR C LFSBK	FR SS SP SE SP					
		13-34	RC SMABK	FI SP SE SP	COM YB, FEW CHR 1				
		34-54	RC MFSBK/ABK	FI SP SE SP	FEW SCP, FEW YB				
		54-75	VAR SCL SCP M	FR SS SP SE SP	CO RC/MANY MED DIS				
P 4	LSS	0-6	DR CL LFSBK	FR SS SP SE SP		5	4N		PS .05 drip
		6-18	DR C SABK	FI S P SE SP	COM YB				
		18-27	DR C PLSTY	FI S P SE SP	MANY HORIZONTAL FRACTURES COM VERTICLE, FEW CHR 2 >24"				
		27-40	R C MABK	FI S P SE SP	FEW CHR 2, COM YB, CHR 3				
		40-54	R C MFABK	FI SP SE SP	QUANTITY YB, FEW CHR 2, FEW SCP				
		54-66	VAR SCL SCP	MI FR SS SP SE SP	FEW CHR 2				

COMMENTS: _____


SHINNVILL
N24°35'38"E 57.05'
IRS @
(30.00')
15' SIDE MBSL
(671.15')
N87°20'37"W 731.13'
15' SIDE MBSL
N24°35'38"E 192.66'
35' FRONT MBSL
EIR @
(32.89')
15' SIDE MBSL
(808.53')
N89°36'37"W 841.42' TOTAL
"TIE"
N16°29'51"E
289.25'
"TIE"
R/W
3.000 Acres Total
AREA INSIDE ROAD R/W : (0.137 acre)
AREA OUTSIDE ROAD R/W : (2.863 acres)
PIN: 4770-15-0519
JAMES W. JOHNSON &
TONDA W. JOHNSON
D.B. 1137, PG. 911
ZONED: R-A
TRACT 2
3.000 Acres Total
AREA INSIDE ROAD R/W : (0.134 acre)
AREA OUTSIDE ROAD R/W : (2.866 acres)
10' DRAINAGE & UTILITY EASEMENT - TYPICAL EACH LOT
PIN: 4770-05-6276
CARLOS E. AVENDANO &
CECILIA M. AVENDANO
D.B. 1876, PG. 91
LOT 1
P.B. 50, PG. 147
ZONED: R-A
1"=60'
PIN: 4770-15-1208
MITCHELL P. HARDWICK &
SUZANNE P. HARDWICK
D.B. 1624, PG. 1732
ZONED: R-A