DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of
PROPERTY ID #: 4764511230
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bellamy Homes — APPLICATION DATE 7-24-12
ADDRESS: 19825 B North Cove Rd. Suite 180 Cornelius NC — DATE EVALUATED: 8-2-12
PROPOSED FACILITY: 3BK Residence — PROPOSED DESIGN FLOW (.1949): 360 gpd — PROPERTY SIZE: 2.6 acres
LOCATION OF SITE: 135 Kaywood Ln. — PROPERTY RECORDED: Yes
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
EVALUATION METHOD: • (Auger Boring) • Pit • Cut — TYPE OF WASTEWATER: (Sewage) • Industrial Process • Mixed

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
1	NS 18%	0-8	SCL Gr	Fr SS small SE					
		8-25	C ABK	Fi SS/SP mod SE					
		25-39	SCL Rock Gr	SS small SE					
2	NS 18%	0-24	SCL Gr	Fr small SE					
		24	R CS						
			A lot of Coarse material present						
3	NS 15%	0-20	SC SBK	Fr SS Mod SE					
		20-40	C Rock ABK	Fi SS/SP mod SE					
4	NS 12.5%	0-12	SCL Gr	Fr SS small SE					
		12-37	C ABK	Fi SS/SP small SE					
		37-48	SAP Gr						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): ?
EVALUATED BY: Justin Robertson
OTHER(S) PRESENT: N/A

COMMENTS: - Needs Pits to further evaluate
There is alot of coarse material in clay horizons

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 9764511230
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bellamy Homes
ADDRESS: 19825B North Cove Rd. Cornelius NC
PROPOSED FACILITY: 3 BR Residence PROPOSED DESIGN FLOW (.1949): 360 gpd.
LOCATION OF SITE: 135 Raywood Dr.
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
EVALUATION METHOD: • Auger Boring • (Pit) • Cut

APPLICATION DATE 7-24-12
DATE EVALUATED: 8-17-12
PROPERTY SIZE: 2.14 acres
PROPERTY RECORDED: Yes
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	NS 18%	0-12	SC SBK	Fr mod SE	N/A	U@ 12"+	N/A	N/A	US
		12-48	75% Rock						
2	NS 12.5%	0-12	SC SBK	Fr mod SE	N/A	U@ 12"+	N/A	N/A	US
		12-48	75% Rock						
3	NS 18%	0-18	SC SBK	Fr mod SE	N/A	U@ 18"+	N/A	N/A	
		18-48	75% Rock						
4	NS 15%	0-8	SL SAP M	Fr SE	N/A	U@ 8"+	N/A	N/A	US
		8-30	CL SAP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)	N/A	N/A
Site LTAR	N/A	N/A

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): US

EVALUATED BY: Justin Henderson
OTHER(S) PRESENT: Steve Hedrick

COMMENTS: N/A

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 2 of 2
PROPERTY ID #: 9764511230
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bellamy Homes — APPLICATION DATE 7-24-12
ADDRESS: 19825B North Cove Rd. Cornelius NC — DATE EVALUATED: 8-17-12
PROPOSED FACILITY: 3 BR Residence — PROPOSED DESIGN FLOW (.1949): 360gpd. — PROPERTY SIZE: 2.4 acres
LOCATION OF SITE: 135 Kaywood Dr. Statesville — PROPERTY RECORDED: Yes
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
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
5	NS	0-8	SL SAP	M Fr	N/A	V@ 8"+	N/A	N/A	US
		8-15	CL SAP						
		15-30	75% Rock						
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)	N/A	N/A
Site LTAR	N/A	N/A

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): US
EVALUATED BY: Justin Anderson
OTHER(S) PRESENT: Steve Hedrick

COMMENTS: N/A

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 4764511477
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

LOT 30 BELLWOOD

OWNER: DARRELL HORNY
ADDRESS: C/O BELLAMY HOMES, 19825 B NORTH COVE
PROPOSED FACILITY: 2BR HOUSE
PROPOSED DESIGN FLOW (.1949): 240
LOCATION OF SITE: LOTS 28, 29, & 30 BELLWOOD S/D
WATER SUPPLY: ✓ Private ✓ Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring ✓ Pit • Cut
TYPE OF WASTEWATER: ✓ Sewage • Industrial Process • Mixed

APPLICATION DATE 7/24/2012
DATE EVALUATED: 10/3/2012
PROPERTY SIZE: 1.64 ACRE
PROPERTY RECORDED:

PROFILE # (PITS)	.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
1	N 16%	0-6	WFSBK SL	VFR SEEP	N/A	PS TO 21"	U @ 21"+	N/A	PS 0.30 (DRIP TUBING @ 6" DEEP) ANAEROBIC
		6-21	WMSBK L	FR SS/SP SEEP					
		21+	SAPROLITE - CL	US					
2	N 16%	0-20	WMSBK SCL	FR SEEP	N/A	PS TO 20"	U @ 20"	N/A	PS 0.20 (DRIP TUBING L.TAR) ANAEROBIC
		20+	SAPROLITE/ROCK	US					
4	SS/N 14%	0-18	WFSBK SCL	FR SS/SP SEEP	N/A	PS TO 18"	U @ 18"+	N/A	PS 0.20 DRIP TUBING ANAEROBIC RATE
		18+	ROCK/SAP MIX	US					
3	L 20%	0-7	WFSBK L	FR SEEP	N/A	PS TO 19"	U @ 19"+	N/A	PS 0.15 DRIP TUB
		7-19	MMSBK C	FR SEEP					
		19+	ROCK/SAP MIX	US					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS (DRIP TUBING)	PS (DRIP TUBING)
System Type(s)	DRIP TUBING @ 6"	DRIP TUBING @ 6"
Site LTAR	0.20	0.15

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: J. HENDERSON S. HENDRICK
OTHER(S) PRESENT: RANDY SIGMON (BACKHOE), DONYA ROBINETT (DAH), TIM BARBEE (AGENT)

COMMENTS: NECESSARY EASEMENT REQUIRED PRIOR TO ISSUANCE OF CONST. AUTHORIZATION. NO GRADING ALLOWED OVER SYSTEM AREA, TREE STUMPS MUST BE LEFT IN PLACE.

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 2 of 2
PROPERTY ID #: 4764511477
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

LOT 30 BELLWOOD

OWNER: DARRELL HORNY
ADDRESS: C/O BELLAMY HOMES, 19825 B NORTH COVE
PROPOSED FACILITY: 2BR HOUSE PROPOSED DESIGN FLOW (.1949): 240
LOCATION OF SITE: LOTS 28, 29, & 30 BELLWOOD S/D
WATER SUPPLY: • Private ✓ Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring ✓ Pit • Cut

APPLICATION DATE 7/24/2012
DATE EVALUATED: 10/3/2012
PROPERTY SIZE: 1.64 ACRE
PROPERTY RECORDED:
TYPE OF WASTEWATER: ✓ Sewage • Industrial Process • Mixed

PROFILE # PITS	.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
5	SLIGHT N L 20%	0-12	WFSBK SCL	VFR/FR SEXP	N/A	U @ 12"+	U @ 12"+	N/A	U
		12+	ROCK	US					
6	L 23%	0-12	WFSBK SCL	VFR/FR SEXP	N/A	U @ 12"+	U @ 12"	N/A	U
		12+	ROCK/US SAP MIX						
7	L 24%	0-24	SBK SCL	VFR SEXP	N/A	PS @ 24"	U @ 24"+	N/A	PS 0.20 USING ANAEROBIC DRIP TUBING
		24"+	SAP./ROCK MIX	U					
8	L 20%	0-18	WFSBK SCL	VFR SEXP	N/A	PS @ 18"	U @ 18"+	N/A	PS 0.20 USING ANAEROBIC DRIP TUBING
		18"+	SAP/ROCK MIX	U					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS (DRIP TUBING)	PS (DRIP TUBING)
System Type(s)	DRIP TUBING @ 6"	DRIP TUBING @ 6"
Site LTAR	0.20	0.15

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: J. HENDERSON S. HENRICK
OTHER(S) PRESENT: RANDY SIGMON (BACKHOE), DONYA ROBINETT (DAH), TIM BARBEE (AGENT)

COMMENTS: NECESSARY EASEMENT REQUIRED PRIOR TO ISSUANCE OF CONST. AUTHORIZATION. NO GRADING ALLOWED OVER SYSTEM AREA, TREE STUMPS MUST BE LEFT IN PLACE.