DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4639-93-9448
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Meritage Homes — APPLICATION DATE 1-2-15
ADDRESS: 11605 N. Community Rd ST 250 Charlotte NC — DATE EVALUATED: 1-6-15 & 1-20-15
PROPOSED FACILITY: 4 BRM — PROPOSED DESIGN FLOW (.1949): 480gpd — PROPERTY SIZE: 0.94ac
LOCATION OF SITE: 116 Abbeville Ct — PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☒ Other Community
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	Beside Pit 3,	0-6	B CL WFSBK	Fr SS SP SExP	few WR	48"	—	-	PS .275-.3
		6-21	R C WFSBK	Fr SS SP SExP					
		21-33	R CL WFSBK	Fr SS SP SExP	com Sap				
		33-48	BR CL/L WFSBK	Fr SS SP SExP	many Sap				
P 1		0-8	R C MFSBK	Fr SS SP SExP		34"	PS	-	PS .275
		8-23	R CL WFSBK	Fr SS SP SExP					
		23-34	R FSCL/L WFSBK	Fr SS SP SExP					
		34-40	Var FSL-SaPM	Fr SS SP SExP	com CL ind.				
				opposite pit ind ~30% WR					
P 4		0-4	B CL WFSBK	Fr SS SP SExP		39"	—	—	PS .3
		4-22	RB SC/SCL WFSBK	Fr SS SP SExP					
		22-39	R C WFSBK	Fr SS SP SExP					
		>39"	slumped in						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	LPP BPS
Site LTAR	0.275	0.275

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

COMMENTS: Pits classified before they were dug out deeper.

Adrian Pruett

From: Matt Burdette <matt@batemancivilsurvey.com>
Sent: Friday, January 16, 2015 10:33 AM
To: Adrian Pruett
Subject: Bells Crossing lot 110
Attachments: Lot 110 Bells Crossing Revised 011415-Model.pdf; Lot 110 Soil Profiles BELLS REV 011515.pdf

Adrian –

Below are your comments on lot 110.

Lot 110:

- Old road bed should be located on the site plan
- Sediment Basin should be located on site plan with high water line marked to ensure 50' separation from drainfield to high water mark
- There is fill material over end of line #13 along road bed that needs to be removed upon repair install
- Line #16 is not located properly on the site plan as it is laid out in the field
- Soil profile descriptions for pits in the repair area are not described deep enough to specify LP PPBPS repair.
- Pits had a number of inclusions of weathered rock and saprolite that where not described in the soil profile descriptions
- I had saprolite at 34" in Pit 1 which would be an issue with specified trench bottom
- There is a lot of variation in line lengths on the site plan and what is in the field, some are shorter some are longer

Response:

We labeled the old road bed on the site plan and noted that it is to be filled when the system is installed
The sediment basin has been added to the site plan. it is a temporary sediment basin and will be removed. I forwarded an email from our PE addressing the basin removal. The septic field is greater than 50' from the basin as well.
We added a note to remove the fill on line 13 at time of installation.
We adjusted line 16 on the site plan.
Steve Price revised the soil profile descriptions and depths to accommodate the proposed trench depths and notes on the inclusions. (attached)
We re-measured the lines and made the adjustments on the site plan.

Let me know if you need anything else.

Thanks,

Matt Burdette
Environmental Specialist
Bateman Civil Survey Company
200 N. Main Street
Holly Springs, North Carolina 27540
Office 919-577-1080
Cell 919-422-2827

Adrian Pruett

From: Matt Burdette <matt@batemancivilsurvey.com>
Sent: Thursday, January 15, 2015 8:24 AM
To: Adrian Pruett
Subject: FW: Bells Crossing Erosion Pond removals Lots 108 109 110

Adrian –

See below about the sediment basin.

thanks

From: Tom Speight [mailto:Tom@batemancivilsurvey.com]
Sent: Tuesday, January 13, 2015 1:38 PM
To: matt@batemancivilsurvey.com
Cc: steven; brian@batemancivilsurvey.com
Subject: Bells Crossing Erosion Pond removals Lots 108 109 110

Matt,
Please be advised the erosion ponds at Bells Crossing are temporary. They shall be removed when we install the final drainage pipes and turn the street over to NCDOT to add to State roadway system. This includes removal of temporary ponds at lots 108,109 and 110. Lots If there are any more questions, please let me know.

Thomas S. Speight, Jr., PE, PLS
Associate Partner
Cell: (910)-308-2637
tom@batemancivilsurvey.com

BCSC
BATEMAN CIVIL SURVEY COMPANY

Holly Springs, NC | Charlotte, NC
Wilmington, NC | US Virgin Islands

200 North Main Street
Holly Springs, NC, 27540
(919)-577-1080 phone
(919)-577-1081 fax
www.batemancivilsurvey.com