Wootton, Brian

From: Jeremey Kerly [jkerly@joyceengineering.com]
Sent: Thursday, July 09, 2009 2:24 PM
To: brian.wootton@ncmail.net
Cc: Evan Andrews
Subject: Cobles Sandrock LFG Probe Installation...
Attachments: Cobles Sandrock LFG Probe Installation Letter June 2009 Final.pdf

Brian,

I have attached a copy of the LFG probe installation report for your review. We did not encounter groundwater during boring activities. All borings terminated at auger refusal.

Please let me know if you have any questions.

Thanks,

Jeremey

Jeremey J. Kerly, P.G.
Project Consultant

JOYCE ENGINEERING, INC.
2211 West Meadowview Road, Suite 101
Greensboro, NC 27407
Tel: (336) 323-0092
Fax: (336) 323-0093
www.JoyceEngineering.com

JOYCE ENGINEERING, INC.

FILE COPY

Waste Industry Experts

Joyce Engineering, Inc
2211 W. Meadowview Road
Suite 101
Greensboro, NC 27407

tel: **336/323-0092**
fax: **336/323-0093**

www.JoyceEngineering.com

June 29, 2009

Mr. Ming-Tai Chao
NCDENR
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699

RE: Installation of Landfill Gas Probes Notification
Coble's Sandrock, Inc. Construction and Demolition Debris Landfill
Alamance County, North Carolina
Permit #01-05

Dear Mr. Chao:

To satisfy the requirements of Attachment 2, Part I, Item 15 under the Permit to Construct, Coble's Construction and Demolition Landfill, Phases 3A and 3B, dated January 30th 2009, landfill gas probes GP-1 and GP-2 have been installed. In addition to installation of landfill gas probes GP-1 and GP-2, probes GP-3 and GP-4 have been installed as agreed upon during the preconstruction meeting between representatives of the NCDENR, Coble's Sandrock, Inc. and Joyce Engineering, Inc. dated February 19, 2009.

In Attachment I you will find the boring and construction logs for each landfill gas probe including a North Carolina Non Residential Well Construction Record completed by the drilling contractor. A location map has also been provided in Attachment II.

Should you have any questions and/or comments, please contact me or Evan Andrews at (336) 323-0092.

Sincerely,
JOYCE ENGINEERING, INC.

Jeremey J. Kerly, P.G.
Project Consultant

Attachments

Attachment I	Boring Logs and Well Construction Records
Attachment II	Landfill Gas Probe Location Map

C:

Kent and Brenda Coble – Coble's Sandrock, Inc.
Chris Marriott – Environmental Specialist Senior, NCDENR
Geoff Little – Environmental Engineer, NCDENR
File

Attachment I

Boring Logs and Well Construction Records

LOG OF BORING GP-1

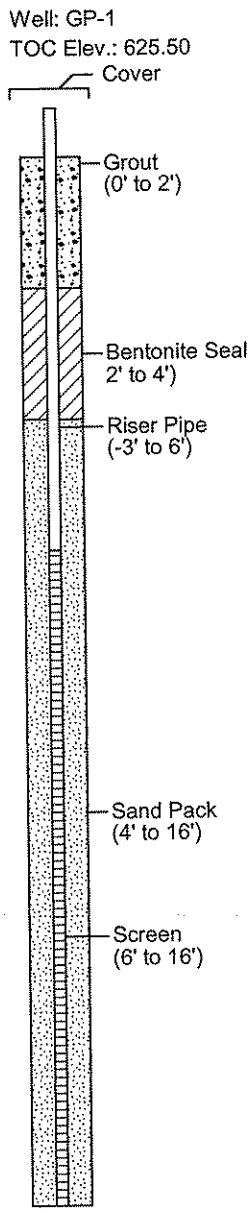
JOYCE ENGINEERING, INC.

Coble's Sandrock, Inc. C&D Landfill
Landfill Gas Probe Installation
Kimesville, NC

JEI Project No. 419.00,Task No. 36

Date Started	: June 11, 2009	Drilling Company	: Mad Dawg, Inc.
Date Completed	: June 12, 2009	Driller	: Tom Whitehead
Logged By	: J. Kerly	Surveyor	: TOMTOM
Page	: 1 of 1	Northing	: 35 56.862
Total Boring Depth	: 16-feet	Easting	: 79 31.895

Depth (ft)	Surf. Elev. 622.50	Blow Count	% Rec.	USCS	Description
0				OL	Organic silty soils with plant material, damp.
	620			CL	Yellowish sandy clay with quartz pebbles.
5				ML	Yellowish silt, dry.
	615			ML	Tan sandy silt, dry.
10	610			PWR	Partially weathered rock, tan and dry, mixed with silt and quartz.
15	605				Auger Refusal @ 16'.
20					



Well Drilling & Construction Information

WELL DRILLING

Rig Type	: Geoprobe 6620 DT
Drilling Method #1	: HSA
Specifications	: 4 1/4" ID, 8" OD
Depths	: 0' - 16'
Drilling Method #2	:
Specifications	:
Depths	:
Drilling Method #3	:
Specifications	:
Depths	:

WELL CASING & SCREEN

Material	: Sched 40 PVC
Diameter	: 1-inch
Joints	: Threaded, flush-coupled
Approx. Csg. Stickup	: 3-feet
Screen Opening	: 1/4" holes every 6"

SAND PACK

Type	: #57 Stone

WELL SCREEN SEAL

Type	: Bentonite 3/4" Hole Plug

ANNULUS SEAL

Type	: Drill Cuttings

PROTECTIVE CASING

Type	: 4" Steel, Lockable

WELL PAD

Type	: 3' x 3' x 0.5'

*Elevations have been estimated from aerial mapping.

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LOG OF BORING GP-2

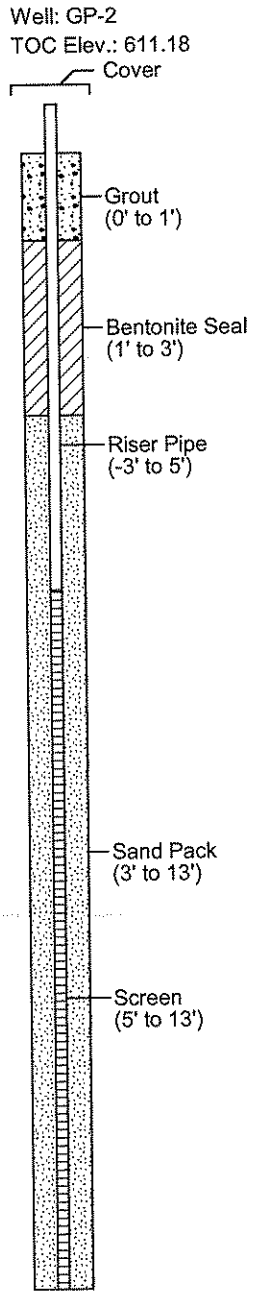
ENGINEERING, INC.

Coble's Sandrock, Inc. C&D Landfill
Landfill Gas Probe Installation
Kimesville, NC

JEI Project No. 419.00,Task No. 36

Date Started	: June 11, 2009	Drilling Company	: Mad Dawg, Inc.
Date Completed	: June 12, 2009	Driller	: Tom Whitehead
Logged By	: J. Kerly	Surveyor	: TOMTOM
Page	: 1 of 1	Northing	: 35 56.975
Total Boring Depth	: 13-feet	Easting	: 79 31.917

Depth (ft)	Surf. Elev. 608.18	Blow Count	% Rec.	USCS	Description
0				CL	Tan sandy clay, damp.
	605			CL	Yellowish tan silty clay, damp.
5				CL	Yellowish tan sandy clay, damp to dry.
	600				
10				SC	Yellowish tan clayey sand, slightly damp, quartz sands.
				PWR	Partially weathered rock, clayey sands, slightly damp, quartz sands.
	595				Auger Refusal @ 13'.
15					



Well Drilling & Construction Information

WELL DRILLING

Rig Type	: Geoprobe 6620 DT
Drilling Method #1	: HSA
Specifications	: 4 1/4" ID, 8" OD
Depths	: 0' - 13'
Drilling Method #2	:
Specifications	:
Depths	:
Drilling Method #3	:
Specifications	:
Depths	:

WELL CASING & SCREEN

Material	: Sched 40 PVC
Diameter	: 1-inch
Joints	: Threaded, flush-coupled
Approx. Csg. Stickup	: 3-feet
Screen Opening	: 1/4" holes every 6"

SAND PACK

Type : #57 Stone

WELL SCREEN SEAL

Type : Bentonite 3/4" Hole Plug

ANNULUS SEAL

Type : Drill Cuttings

PROTECTIVE CASING

Type : 4" Steel, Lockable

WELL PAD

Type : 3' x 3' x 0.5'

*Elevations have been estimated from aerial mapping.

LOG OF BORING GP-3

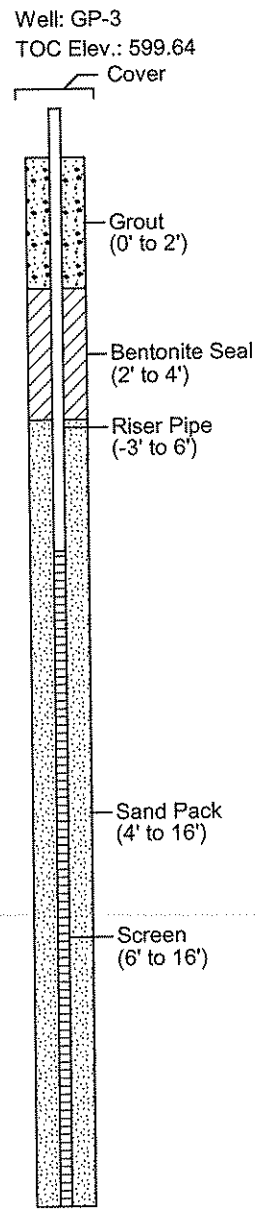
ENGINEERING, INC.

Coble's Sandrock, Inc. C&D Landfill
Landfill Gas Probe Installation
Kimesville, NC

JEI Project No. 419.00,Task No. 36

Date Started	: June 11, 2009	Drilling Company	: Mad Dawg, Inc.
Date Completed	: June 12, 2009	Driller	: Tom Whitehead
Logged By	: J. Kerly	Surveyor	: TOMTOM
Page	: 1 of 1	Northing	: 35 57.312
Total Boring Depth	: 16-feet	Easting	: 79 31.729

Depth (ft)	Surf. Elev. 596.64	Blow Count	% Rec.	USCS	Description
0				OL	Organic silty soil with plant material.
	595			CL	Orange sandy clay, moist.
5					Tan sandy clay, moist.
	590			CL	
10					
	585				Tan sandy clay, dry.
15				CL	
	580				Auger Refusal @ 16'.
20					



Well Drilling & Construction Information

WELL DRILLING

Rig Type	: Geoprobe 6620 DT
Drilling Method #1	: HSA
Specifications	: 4 1/4" ID, 8" OD
Depths	: 0' - 16'
Drilling Method #2	:
Specifications	:
Depths	:
Drilling Method #3	:
Specifications	:
Depths	:

WELL CASING & SCREEN

Material	: Sched 40 PVC
Diameter	: 1-inch
Joints	: Threaded, flush-coupled
Approx. Csg. Stickup	: 3-feet
Screen Opening	: 1/4" holes every 6"

SAND PACK

Type	: #57 Stone

WELL SCREEN SEAL

Type	: Bentonite 3/4" Hole Plug

ANNULUS SEAL

Type	: Drill Cuttings

PROTECTIVE CASING

Type	: 4" Steel, Lockable

WELL PAD

Type	: 3' x 3' x 0.5'

*Elevations have been estimated from aerial mapping.

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LOG OF BORING GP-4

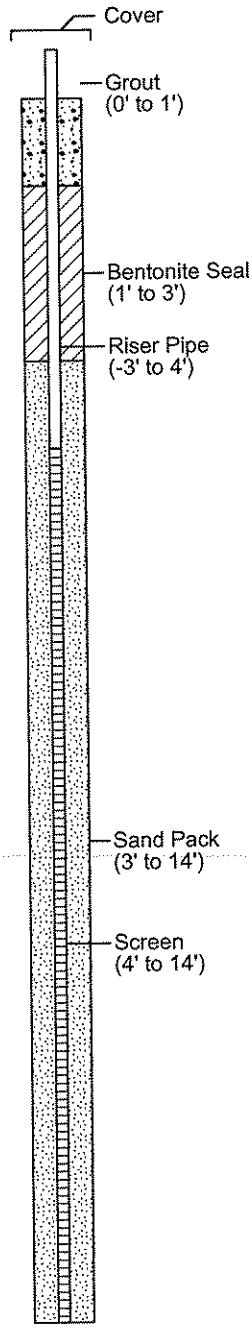
JOYCE ENGINEERING, INC.

Coble's Sandrock, Inc. C&D Landfill
Landfill Gas Probe Installation
Kimesville, NC

JEI Project No. 419.00,Task No. 36

Date Started	: June 11, 2009	Drilling Company	: Mad Dawg, Inc.
Date Completed	: June 12, 2009	Driller	: Tom Whitehead
Logged By	: J. Kerly	Surveyor	: TOMTOM
Page	: 1 of 1	Northing	: 35 57.141
Total Boring Depth	: 14-feet	Easting	: 79 31.702

Depth (ft)	Surf. Elev. 599.96	Blow Count	% Rec.	USCS	Description
0				CL	Yellowish orange sandy clay, damp.
5	595			SC	Tanish orange grading to tanish grey clayey sand, damp.
10	590			PWR	Partially weathered rock with silt and quartz fragments.
15	585				Auger Refusal @ 14'.



Well Drilling & Construction Information

WELL DRILLING

Rig Type	: Geoprobe 6620 DT
Drilling Method #1	: HSA
Specifications	: 4 1/4" ID, 8" OD
Depths	: 0' - 14'
Drilling Method #2	:
Specifications	:
Depths	:
Drilling Method #3	:
Specifications	:
Depths	:

WELL CASING & SCREEN

Material	: Sched 40 PVC
Diameter	: 1-inch
Joints	: Threaded, flush-coupled
Approx. Csg. Stickup	: 3-feet
Screen Opening	: 1/4" holes every 6"

SAND PACK

Type : #57 Stone

WELL SCREEN SEAL

Type : Bentonite 3/4" Hole Plug

ANNULUS SEAL

Type : Drill Cuttings

PROTECTIVE CASING

Type : 4" Steel, Lockable

WELL PAD

Type : 3' x 3' x 0.5'

*Elevations have been estimated from aerial mapping.

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GP-1

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 4907

1. WELL CONTRACTOR:
Thomas Whitehead
Well Contractor (Individual) Name
Mad Dawg, Inc.
Well Contractor Company Name
STREET ADDRESS P.O. Box 398
Iron Station NC 28080
City or Town State Zip Code
(704) 732-0213
Area code - Phone number

2. WELL INFORMATION:
SITE WELL ID #(if applicable) N/A
STATE WELL PERMIT#(if applicable) N/A
DWQ or OTHER PERMIT #(if applicable) N/A
WELL USE (Check Applicable Box) Monitoring [X] Municipal/Public [ ]
Industrial/Commercial [ ] Agricultural [ ] Recovery [ ] Injection [ ]
Irrigation [ ] Other [X] (list use) Methane Gas Probe
DATE DRILLED 6/11/09
TIME COMPLETED 10:00 AM [X] PM [ ]

3. WELL LOCATION:
CITY: Liberty COUNTY
5833 Foster Store Rd. 27298
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
[ ] Slope [ ] Valley [X] Flat [ ] Ridge [ ] Other
(check appropriate box)
LATITUDE 35° 56.362
LONGITUDE 79° 31.895
May be in degrees, minutes, seconds or in a decimal format
Latitude/longitude source: [X] GPS [ ] Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY - is the name of the business where the well is located.
FACILITY ID #(if applicable) N/A
NAME OF FACILITY Coble's Sandrock
STREET ADDRESS 5833 Foster Store Rd.
Liberty NC 27298
City or Town State Zip Code
CONTACT PERSON Kent Coble
MAILING ADDRESS 5833 Foster Store Rd
Liberty NC 27298
City or Town State Zip Code
(336) 565-4750
Area code - Phone number

5. WELL DETAILS:
a. TOTAL DEPTH: 16'
b. DOES WELL REPLACE EXISTING WELL? YES [ ] NO [X]
c. WATER LEVEL Below Top of Casing: N/A FT.
(Use "+" If Above Top of Casing)

d. TOP OF CASING IS 3 FT. Above Land Surface*
*"Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): N/A METHOD OF TEST
f. DISINFECTION: Type N/A Amount
g. WATER ZONES (depth):
From None To From To
From To From To
From To From To

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From	0 To	6 Ft.	1"	Sch 40	PVC
From	To	Ft.			
From	To	Ft.			

7. GROUT:

	Depth		Material	Method
From	2 To	4 Ft.	Hydrated Bentonite	
From	To	Ft.		
From	To	Ft.		

8. SCREEN:

	Depth		Diameter	Slot Size	Material
From	6 To	16 Ft.	1 In.	* See Notes In.	PVC
From	To	Ft.	In.	In.	
From	To	Ft.	In.	In.	

9. SAND/GRAVEL PACK:

	Depth		Size	Material
From	4 To	16 Ft.	#57	Washed Stone
From	To	Ft.		
From	To	Ft.		

10. DRILLING LOG

From	To	Formation Description
0	2'	Tan silty clay
2'	16'	Tan sandy saprolite

11. REMARKS:
* Field Manufactured 1/4" holes every 6" on 90° centers.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas Whitehead 6/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Thomas Whitehead
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

Jun 15 09 04:08p SLEEP INN HANES MALL 3367741185 p.3

GP-2

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2107

1. WELL CONTRACTOR:
Thomas Whitehead
Well Contractor (Individual) Name
Mad Dawg, Inc.
Well Contractor Company Name
STREET ADDRESS P.O. Box 398
Iron Station NC 28080
City or Town State Zip Code
(704) 732-0213
Area code - Phone number

2. WELL INFORMATION:
SITE WELL ID #(if applicable) N/A
STATE WELL PERMIT#(if applicable) N/A
DWQ or OTHER PERMIT #(if applicable) N/A
WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☒ (list use) Methane Gas Probe
DATE DRILLED 6/11/09
TIME COMPLETED 12:00 AM ☐ PM ☒

3. WELL LOCATION:
CITY: Liberty COUNTY:
5833 Foster Store Rd. 27298
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other
(check appropriate box)
LATITUDE 35° 56.975
LONGITUDE 79° 31.915
(May be in degrees, minutes, seconds or in a decimal format)
Latitude/longitude source: ☒ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY - (is the name of the business where the well is located.)
FACILITY ID #(if applicable) N/A
NAME OF FACILITY Coble's Sandrock
STREET ADDRESS 5833 Foster Store Rd.
Liberty NC 27298
City or Town State Zip Code
CONTACT PERSON Kent Coble
MAILING ADDRESS 5833 Foster Store Rd
Liberty NC 27298
City or Town State Zip Code
(336) 565-4750
Area code - Phone number

5. WELL DETAILS:
a. TOTAL DEPTH: 13'
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 3 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): N/A METHOD OF TEST
f. DISINFECTION: Type N/A Amount
g. WATER ZONES (depth):
From None To From To
From To From To
From To From To

6. CASING:

	Depth		Diameter	Thickness/ Weight	Material
From 0	To 5	Ft.	1"	Sch 40	PVC
From	To	Ft.			
From	To	Ft.			

7. GROUT:

	Depth		Material	Method
From 1	To 3	Ft.	Hydrated Bentonite	
From	To	Ft.		
From	To	Ft.		

8. SCREEN:

	Depth		Diameter	Slot Size	Material
From 5'	To 13'	Ft.	1 in.	*See Notes in.	PVC
From	To	Ft.	in.	in.	
From	To	Ft.	in.	in.	

9. SAND/GRAVEL PACK:

Depth			Size	Material
From 3	To 13	Ft.	#57	Washed Stone
From	To	Ft.		
From	To	Ft.		

10. DRILLING LOG

From	To	Formation Description
0	4	Tan silty CLAY
4	13	Tan sandy Saprolite

11. REMARKS:
* Field Manufactured ¼" holes every 6" on 90° centers.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.
Thomas Whitehead 6/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE
Thomas Whitehead
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 668.

Form GW-1b
Rev. 7/05

Jun 15 09 04:08p SLEEP INN HANES MALL 3367741185 p.4

GP-3

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2707

1. WELL CONTRACTOR:
Thomas Whitehead
Well Contractor (Individual) Name
Mad Dawg, Inc.
Well Contractor Company Name
STREET ADDRESS P.O. Box 393
Iron Station NC 28080
City or Town State Zip Code
(704) 732-0213
Area code - Phone number

2. WELL INFORMATION:
SITE WELL ID #(if applicable) N/A
STATE WELL PERMIT#(if applicable) N/A
DWQ or OTHER PERMIT #(if applicable) N/A
WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☒ (list use) Methane Gas Probe
DATE DRILLED 6/11/09
TIME COMPLETED 2:00 AM ☐ PM ☒

3. WELL LOCATION:
CITY: Liberty COUNTY
5833 Foster Store Rd. 27298
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other
(check appropriate box)
LATITUDE 35° 57.315
LONGITUDE 79° 31.729
(may be in degrees, minutes, seconds or in a decimal format)
Latitude/longitude source: ☒ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY - is the name of the business where the well is located.
FACILITY ID #(if applicable) N/A
NAME OF FACILITY Cable's Sandrock
STREET ADDRESS 5833 Foster Store Rd.
Liberty NC 27298
City or Town State Zip Code
CONTACT PERSON Kent Cable
MAILING ADDRESS 5833 Foster Store Rd
Liberty NC 27298
City or Town State Zip Code
(336) 565-4750
Area code - Phone number

5. WELL DETAILS:
a. TOTAL DEPTH: 16'
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
c. WATER LEVEL Below Top of Casing: N/A FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS 3 FT. Above Land Surface*
*Top of casing terminated at or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): N/A METHOD OF TEST
f. DISINFECTION: Type N/A Amount
g. WATER ZONES (depth):
From None To From To
From To From To
From To From To

6. CASING:

From	To	Ft.	Diameter	Thickness/ Weight	Material
0	6		1"	Sch 40	PVC

7. GROUT:

From	To	Ft.	Material	Method
2	4		Hydrated Bentonite	

8. SCREEN:

From	To	Ft.	Diameter In.	Slot Size In.	Material
6	16		1	*See Notes	PVC

9. SAND/GRAVEL PACK:

From	To	Ft.	Size	Material
4	16		#57	Washed Stone

10. DRILLING LOG

From	To	Formation Description
0	6	Tan silty CLAY
6	16	Tan sandy Saprolite

11. REMARKS:
* Field Manufactured 1/4" holes every 6" on 90° centers.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas Whitehead 6/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Thomas Whitehead
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext. 568.

Form GW-1b
Rev. 7/05

Jun 15 09 04:08p SLEEP INN HANES MALL 3367741185 p.5

GP-4

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2107

1. WELL CONTRACTOR:
Thomas Whitehead
Well Contractor (Individual) Name
Mad Dawg, Inc.
Well Contractor Company Name
STREET ADDRESS P.O. Box 398
Iron Station NC 28080
City or Town State Zip Code
(704) 732-0213
Area code- Phone number

2. WELL INFORMATION:
SITE WELL ID #(if applicable) N/A
STATE WELL PERMIT#(if applicable) N/A
DWQ or OTHER PERMIT #(if applicable) N/A
WELL USE (Check Applicable Box) Monitoring [X] Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other [X] (list use) Methane Gas Probe
DATE DRILLED 6/11/09
TIME COMPLETED _____ AM ☐ PM ☐

3. WELL LOCATION:
CITY: Liberty COUNTY _____
5833 Foster Store Rd. 27298
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)
TOPOGRAPHIC / LAND SETTING:
☐Slope ☐Valley [X]Flat ☐Ridge ☐ Other _____
(check appropriate box)
LATITUDE 35° 57.141
LONGITUDE 79° 31.702
(may be in degrees, minutes, seconds or in a decimal format)
Latitude/longitude source: [X]GPS ☐Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

4. FACILITY- is the name of the business where the well is located.
FACILITY ID #(if applicable) N/A
NAME OF FACILITY Coble's Sandrock
STREET ADDRESS 5833 Foster Store Rd.
Liberty NC 27298
City or Town State Zip Code
CONTACT PERSON Kent Coble
MAILING ADDRESS 5833 Foster Store Rd
Liberty NC 27298
City or Town State Zip Code
(336) 565-4750
Area code - Phone number

5. WELL DETAILS:
a. TOTAL DEPTH: 14'
b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO [X]
c. WATER LEVEL Below Top of Casing: N/A FT.
(Use "+" If Above Top of Casing)

d. TOP OF CASING IS 3 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.
e. YIELD (gpm): N/A METHOD OF TEST _____
f. DISINFECTION: Type N/A Amount _____
g. WATER ZONES (depth):
From None To _____ From _____ To _____
From _____ To _____ From _____ To _____
From _____ To _____ From _____ To _____

6. CASING:

From	To	Depth Ft	Diameter	Thickness/ Weight	Material
0	4		1"	Sch 40	PVC

7. GROUT:

From	To	Depth Ft	Material	Method
1	3		Hydrated Bentonite	

8. SCREEN:

From	To	Depth Ft	Diameter In.	Slot Size In.	Material
4	14		1	* See Notes	PVC

9. SAND/GRAVEL PACK:

From	To	Depth Ft	Size	Material
3	14		#57	Washed Stone

10. DRILLING LOG

From	To	Formation Description
0	4	Tan Silty CLAY
4	14	Tan Sandy Saprolite

11. REMARKS:
* Field Manufactured 1/4" holes every 6" on 90° centers.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Thomas Whitehead 6/15/09
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

Thomas Whitehead
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

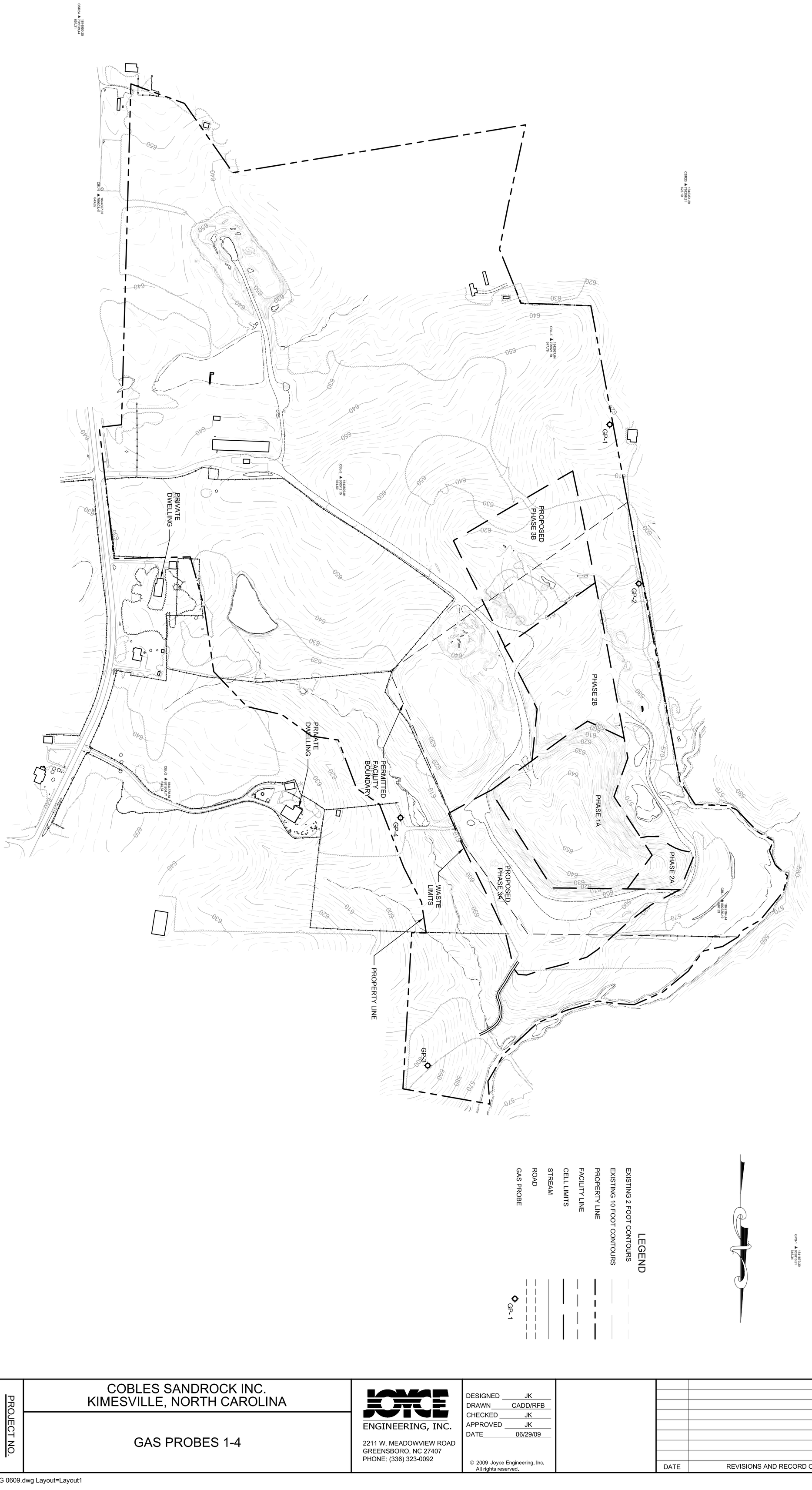
Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev. 7/05

Jun 15 09 04:09p SLEEP INN HANES MALL 3367741185 p.6

Attachment II

Landfill Gas Probe Location Map



DRAWING NO.	1
SCALE	AS NOTED
PROJECT NO.	419.00.36

COBLES SANDROCK INC.
KIMESVILLE, NORTH CAROLINA

GAS PROBES 1-4

JOYCE ENGINEERING, INC.
2211 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

DESIGNED	JK
DRAWN	CADD/RFB
CHECKED	JK
APPROVED	JK
DATE	06/29/09

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DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

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