Phase II Environmental Site Assessment Report

19th Avenue Combined City Project San Francisco, California

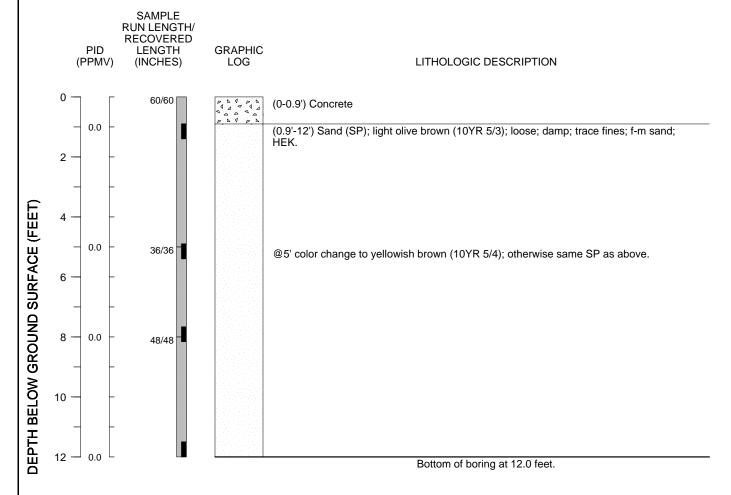


APPENDIX B

BORING LOGS



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Rob Davis, PG

f = fine grained Core run interval FID = flame ionization detector

Location of sample collected for analysis HEK = hight estimated hydraulic conductivity

m = medium grained

PID = photo ionization detector ppm = parts per million

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

No FID detections.

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 10/31/2016 Date completed: 10/31/2016

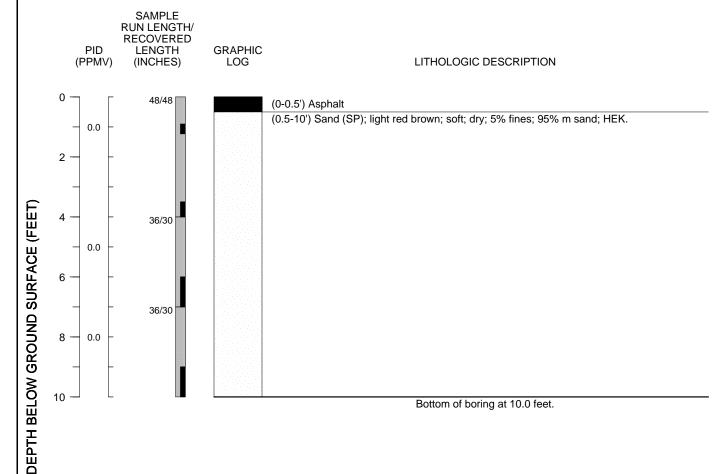
Date sealed: 10/31/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"



-- DRAFT -- BORING SB-04 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

FID = flame ionization detector

HEK = high estimated hydraulic conductivity m = medium grained

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165

Checked by:

Orilling contractor license: C57 485165
Driller: Leo Santos

Logged by: Joyce Adams, PG

Date started: 9/20/2016
Date completed: 9/20/2016
Date sealed: 9/20/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

Notes:

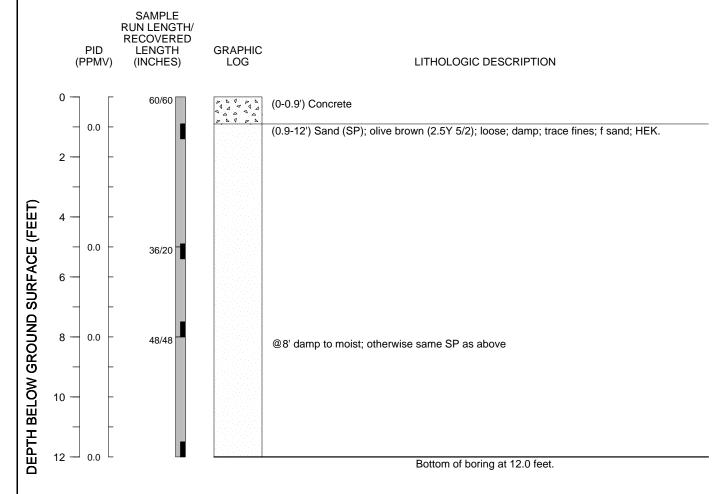
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

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PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols: Checked by:

f = fine grained Core run interval FID = flame ionization detector

Drilling contractor: Gregg Drilling and Testing Location of sample collected for analysis HEK = high estimated hydraulic conductivity Drilling contractor license: PID = photo-ionization detector

Notes: 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.

ppm = parts per million

Driller: Leo Santos Date started: 10/31/2016 Date completed: 10/31/2016 Date sealed: 10/31/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Boring diameter: 2.25"

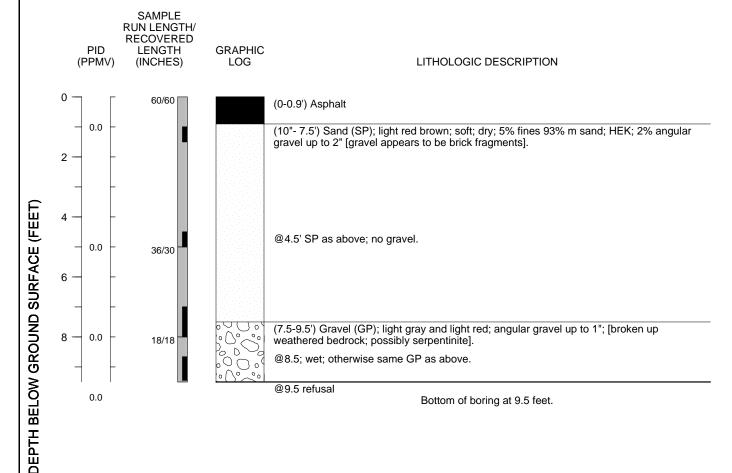
C57 485165

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BORING SB-07 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: FID = flame ionization detector

HEK = high estimated hydraulic conductivity

m = medium grained

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Joyce Adams, PG Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose Date started: 9/19/2016

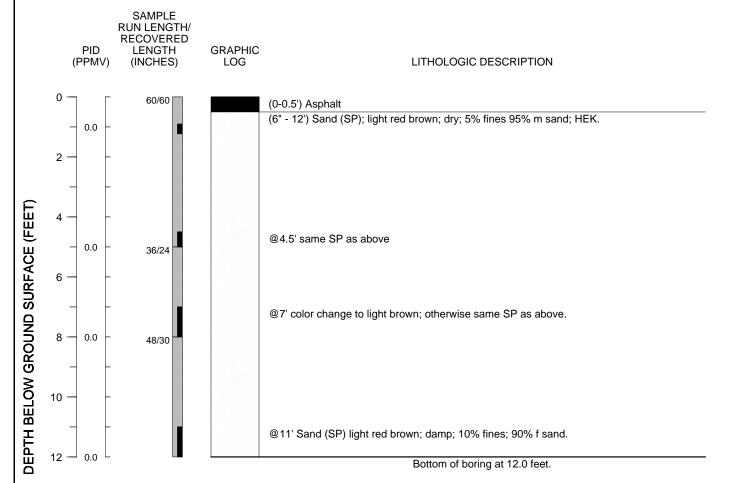
Date completed: 9/19/2016 Date sealed: 9/19/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Joyce Adams, PG Checked by:

f = fine grained Core run interval

FID = flame ionization detector Location of sample collected for analysis HEK = high estimated hydraulic conductivity

m = medium grained PID = photo-ionization detector ppm = parts per million

Date started: 9/20/2016 Date completed: 9/20/2016 Date sealed: 9/20/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

No FID detections.

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Drilling contractor: Gregg Drilling and Testing

Driller:

C57 485165

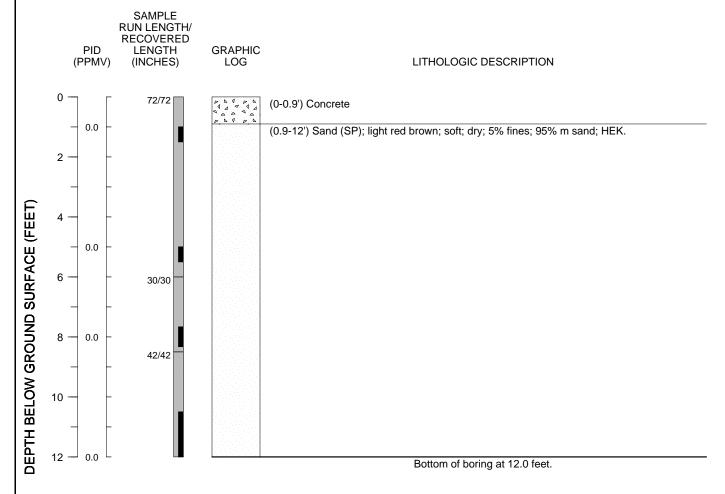
Leo Santos

Drilling contractor license:



-- DRAFT -- BORING SB-09 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: FID = flame ionization detector HEK = high estimated hydraulic conduction

HEK = high estimated hydraulic conductivity
m = medium grained

PID = photo-ionization detector ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Checked by: Drilling contractor: Drilling contractor license:

Drilling contractor: Gregg Drilling and Testing contractor license: C57 485165

Logged by: Joyce Adams, PG

Driller: Leo Santos
Date started: 9/19/2016
Date completed: 9/19/2016
Date sealed: 9/19/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

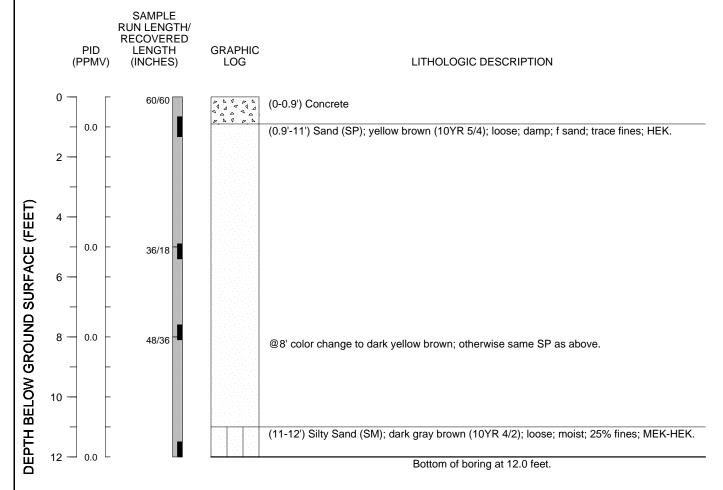
Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Rob Davis, PG Checked by: f = fine grained Core run interval

FID = flame ionization detector HEK = high estimated hydraulic conductivity

Drilling contractor: Gregg Drilling and Testing Location of sample collected for analysis Drilling contractor license: C57 485165

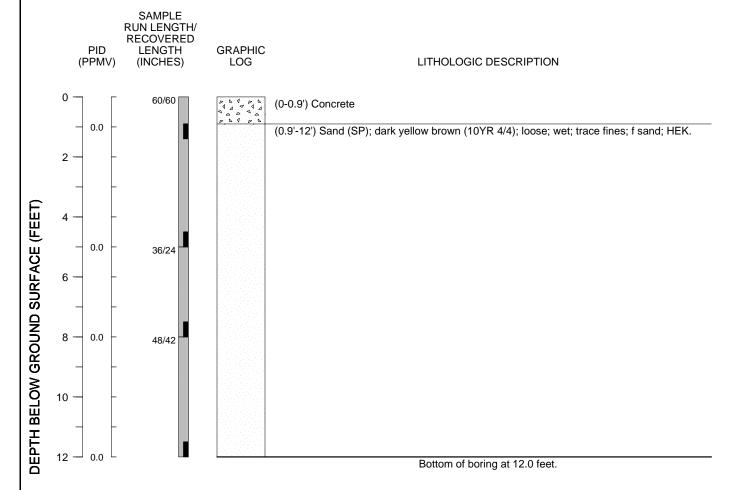
MEK = moderate estimated hydraulic conductivity Driller: Leo Santos PID = photo-ionization detector Date started: 10/31/2016 ppm = parts per million Date completed: 10/31/2016 Date sealed: 10/31/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. Boring diameter: 2.25" No FID detections.



BORING SB-11 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols:

f = fine grained Core run interval FID = flame ionization detector

Location of sample collected for analysis HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

Logged by: Rob Davis, PG

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165

Driller: Leo Santos Date started: 11/3/2016 Date completed: 11/3/2016

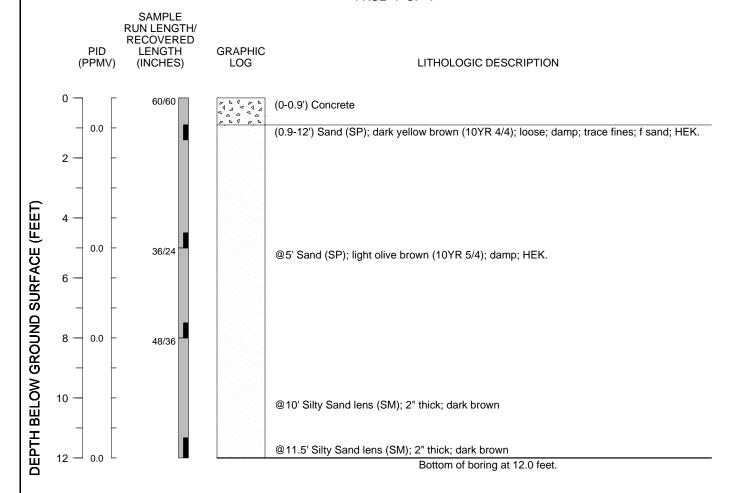
Date sealed: 11/3/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"



-- DRAFT -- BORING SB-12 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Rob Davis, PG

f = fine grained

FID = flame ionization detector HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Checked by:
Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165
Driller: Leo Santos
Date started: 10/31/2016
Date completed: 10/31/2016
Date sealed: 10/31/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

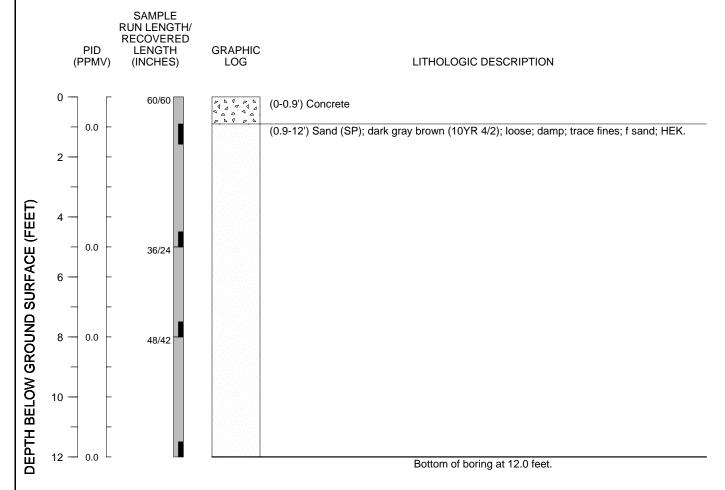
Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols: Checked by:

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 11/3/2016 Date completed: 11/3/2016

Date sealed: 11/3/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

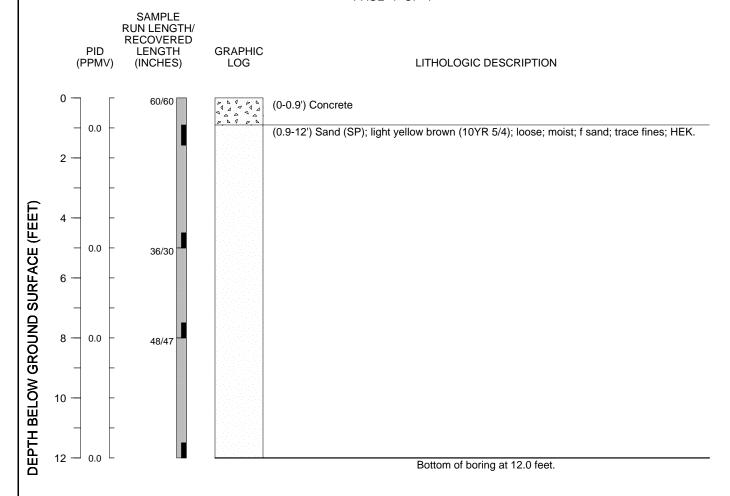
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

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PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: f = fine grained Core run interval Drilling contractor: Gregg Drilling and Testing

FID = flame ionization detector Location of sample collected for analysis HEK = high estimated hydraulic conductivity PID = photo-ionization detector

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 10/31/2016 Date completed: 10/31/2016

Checked by:

Date sealed: 10/31/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Boring diameter: 2.25"

Logged by: Rob Davis, PG

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

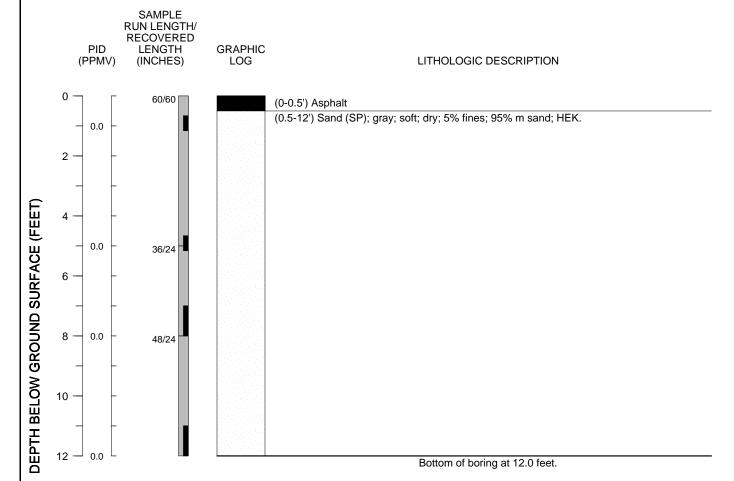
2. No FID detections.

ppm = parts per million



BORING SB-15 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

FID = flame ionization detector

HEK = high estimated hydraulic conductivity m = medium grained

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Joyce Adams, PG Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos

Date started: 9/20/2016 Date completed: 9/20/2016 Date sealed: 9/20/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

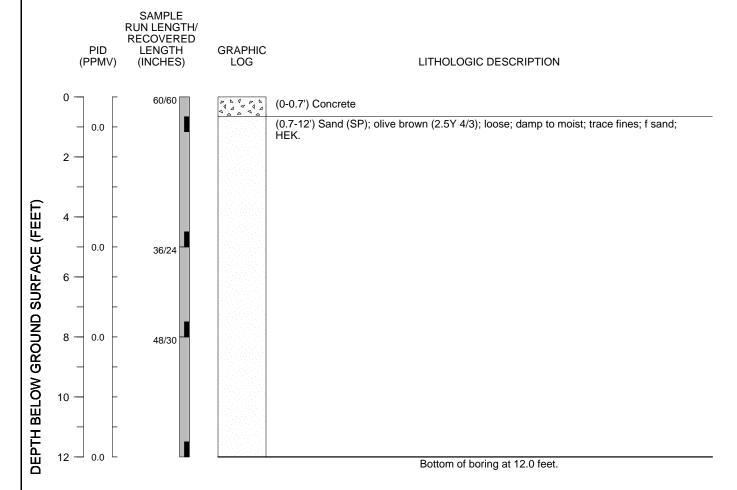
Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols: Checked by:

f = fine grained

Core run interval FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector

ppm = parts per million

Location of sample collected for analysis

Drilling contractor: Gregg Drilling and Testing Drilling contractor license: C57 485165

Driller: Leo Santos Date started: 10/31/2016 Date completed: 10/31/2016 Date sealed: 10/31/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

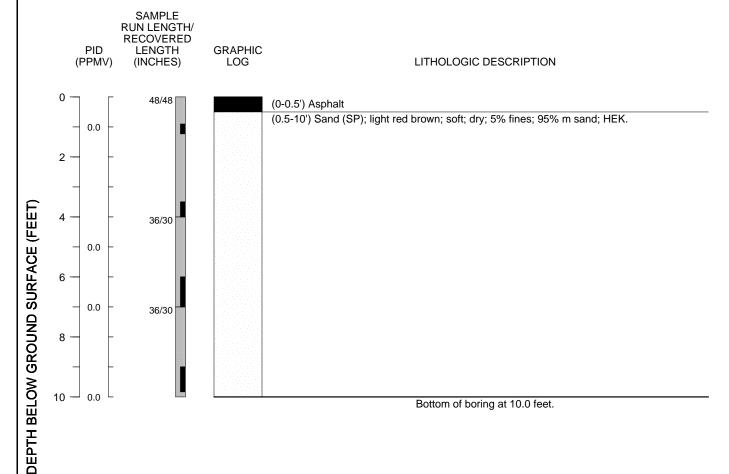
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



-- DRAFT -- BORING SB-17 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

FID = flame ionization detector

HEK = high estimated hydraulic conductivity m = medium grained

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

analysis

Checked by:
Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165

Driller: Leo Santos
Date started: 9/20/2016
Date completed: 9/20/2016
Date sealed: 9/20/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Logged by: Joyce Adams, PG

Boring diameter: 2.25"

Notes:

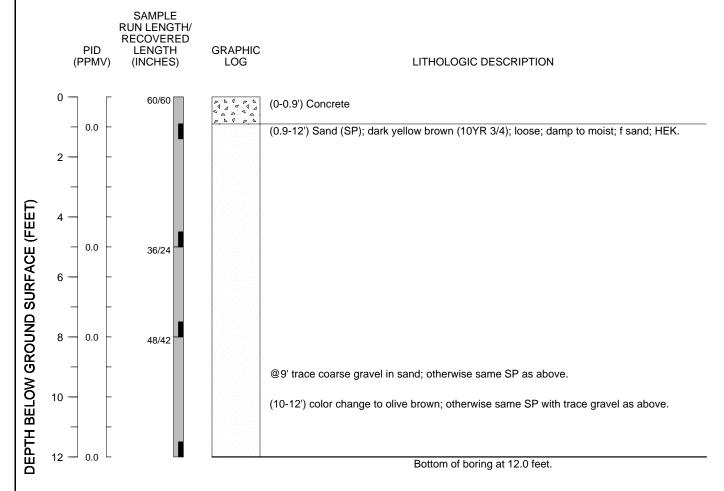
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

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PAGE 1 OF 1



EXPLANATION

Abbreviations:

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Rob Davis, PG Checked by: Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 11/1/2016 Date completed: 11/1/2016 Date sealed: 11/1/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

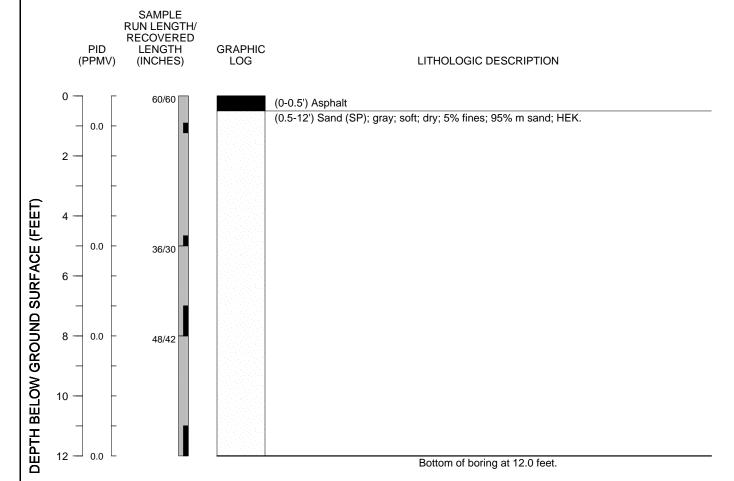
2. No FID detections.

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-- DRAFT -- BORING SB-19 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

FID = flame ionization detector

HEK = high estimated hydraulic conductivity m = medium grained

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

f sample collected for analysis

Logged by: Joyce Adams, PG Checked by:

Drilling contractor: Gregg Drilling and Testing Drilling contractor license: C57 485165

Driller: Leo Santos
Date started: 9/20/2016
Date completed: 9/20/2016
Date sealed: 9/20/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

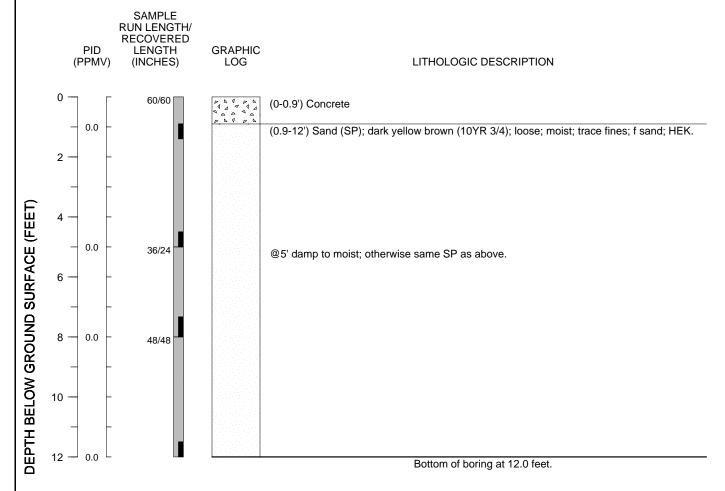
2. No FID detections.

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-- DRAFT -- BORING SB-20 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Rob Davis, PG

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector

ppm = parts per million

Core run intervalLocation of sample collected for analysis

analysis Drillir

Checked by:

Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165
Driller: Leo Santos

Driller: Leo Santos
Date started: 11/1/2016
Date completed: 11/1/2016
Date sealed: 11/1/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

Notes:

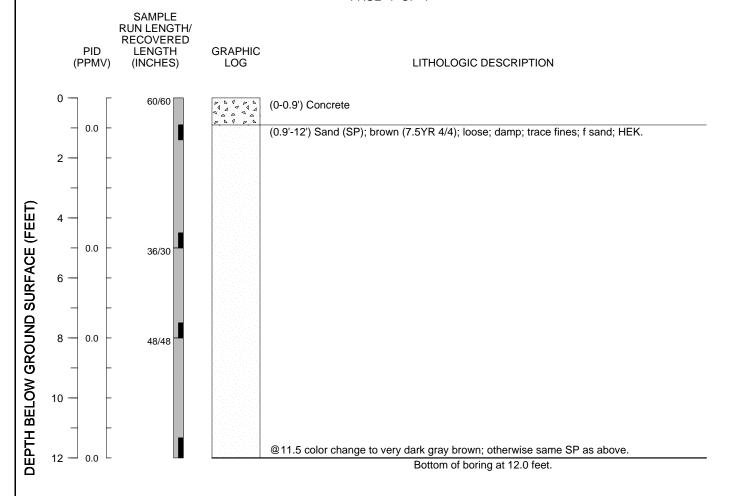
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



BORING SB-21 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols:

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector

ppm = parts per million

Core run interval Location of sample collected for analysis

Checked by: Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 11/3/2016

Date completed: 11/3/2016 Date sealed: 11/3/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

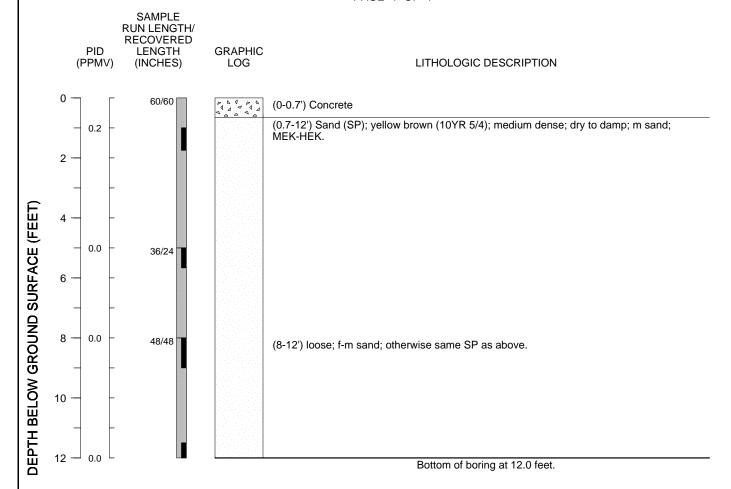
Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Core run interval

Location of sample collected for analysis

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity

m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector ppm = parts per million

Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.

Logged by: Will McConihe

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165

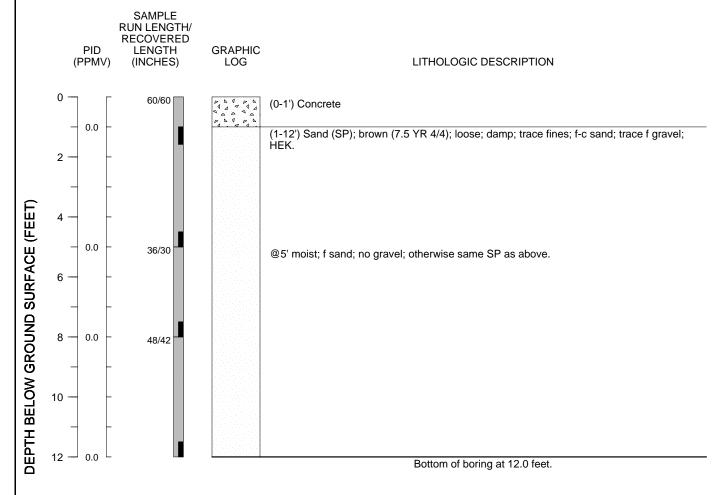
Driller: Jose Date started: 9/26/2016 Date completed: 9/26/2016 Date sealed: 9/26/2016

Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"



PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols: Checked by: c = coarse grained

Core run interval f = fine grained

Location of sample collected for analysis

FID = flame ionization detector HEK = high estimated hydraulic conductivity PID = photo-ionization detector ppm = parts per million

Driller: Leo Santos Date started: 11/2/2016 Date completed: 11/2/2016 Date sealed: 11/2/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. Boring diameter: 2.25"

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December 9, 2016 13:42

Drilling contractor: Gregg Drilling and Testing

C57 485165

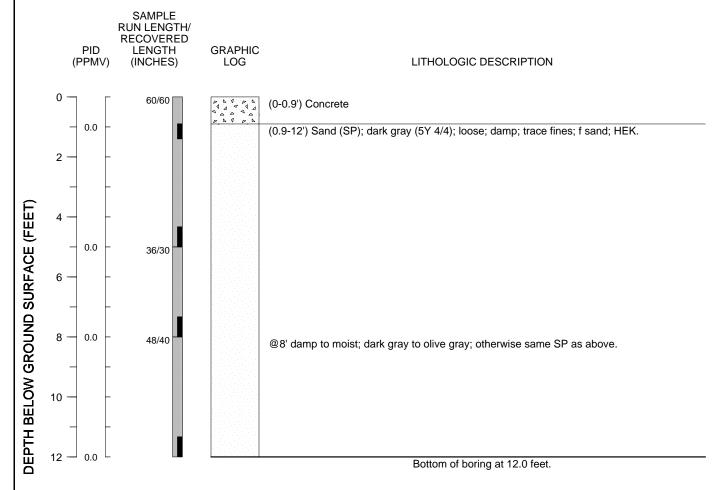
Drilling contractor license:

No FID detections.



-- DRAFT -- BORING SB-24 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:Symbols:Logged by: Rob Davis, PGf = fine grainedCore run intervalChecked by:

f = fine grained

FID = flame ionization detector

Core run interval

HEK = high estimated hydraulic conductivity

Location of sample collected for analysis

PID = photo-ionization detector

ppm = parts per million

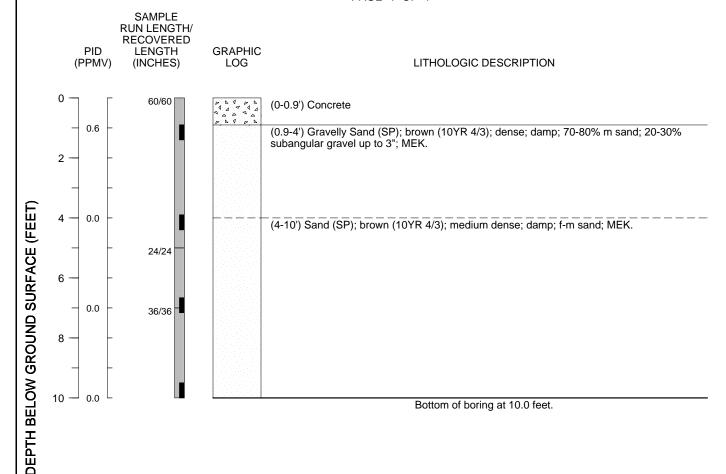
Notes:1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.
2. No FID detections.

Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165
Driller: Leo Santos
Date started: 11/1/2016
Date completed: 11/1/2016
Date sealed: 11/1/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Will McConihe Checked by:

f = fine grained Core run interval

Drilling contractor: Gregg Drilling and Testing FID = flame ionization detector Location of sample collected for analysis

LEL = lower explosive limit Drilling contractor license: C57 485165 m = medium grained Driller: Jose

MEK = mediume estimated hydraulic conductivity Date started: 9/27/2016 PID = photo-ionization detector Date completed: 9/27/2016

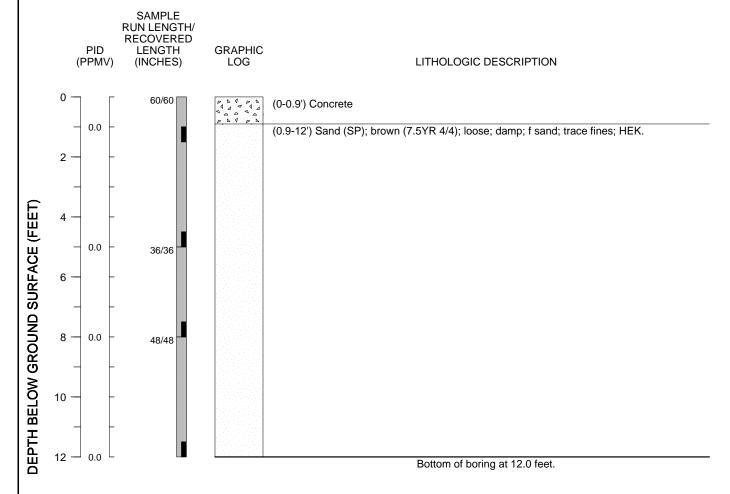
ppm = parts per million Date sealed: 9/27/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Notes: Boring diameter: 2.25"

Boring was hand augered to 5' bgs then advanced with a direct push drill rig.
 1 % LEL detection at 4 feet bgs; no other FID detections



-- DRAFT --**BORING SB-26** -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols: Checked by:

f = fine grained FID = flame ionization detector

HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Drilling contractor: Gregg Drilling and Testing Drilling contractor license:

C57 485165 Driller: Leo Santos

Date started: 11/2/2016 Date completed: 11/2/2016 Date sealed: 11/2/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

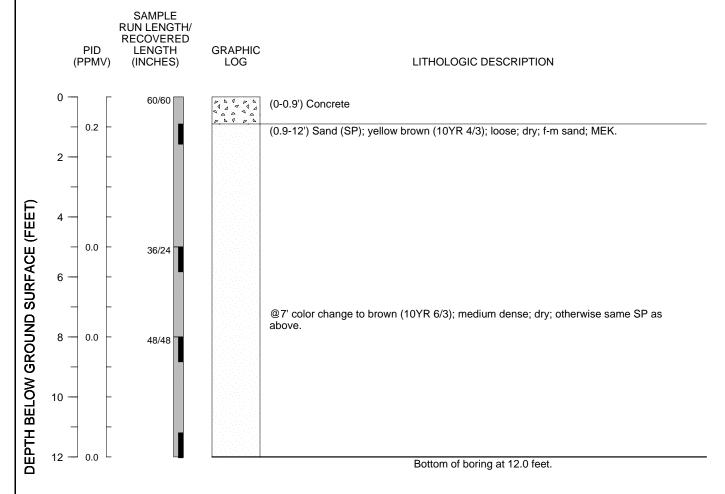
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



-- DRAFT -- BORING SB-27 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Logged by: Will McConihe Abbreviations: Symbols:

Checked by: f = fine grained Core run interval

Drilling contractor: Gregg Drilling and Testing FID = flame ionization detector

Location of sample collected for analysis m = medium grained Drilling contractor license: C57 485165

MEK = moderate estimated hydraulic conductivity Driller: Jose

PID = photo-ionization detector Date started: 9/26/2016 ppm = parts per million Date completed: 9/26/2016

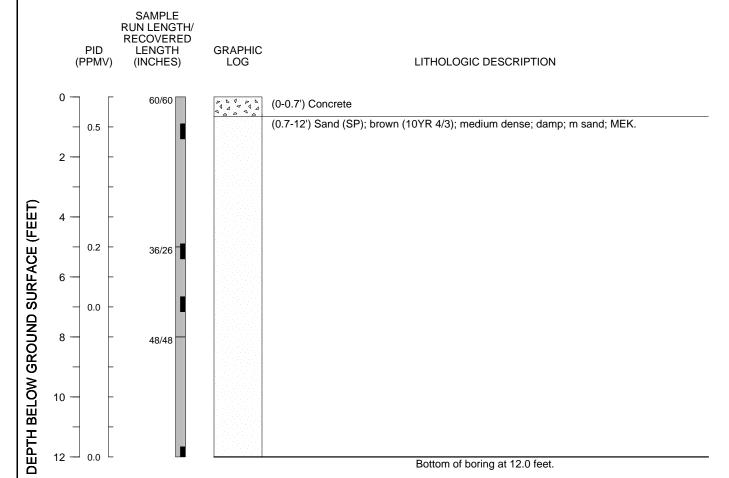
Date sealed: 9/26/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

Boring diameter: 2.25" No FID detections.



-- DRAFT -- BORING SB-28 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Synthetic FID = flame ionization detector

m = medium grained

MEK = moderate estimated hydraulic conductivity PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165
Driller: Jose

Checked by:

Driller: Jose
Date started: 9/27/2016
Date completed: 9/27/2016
Date sealed: 9/27/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Logged by: Will McConihe

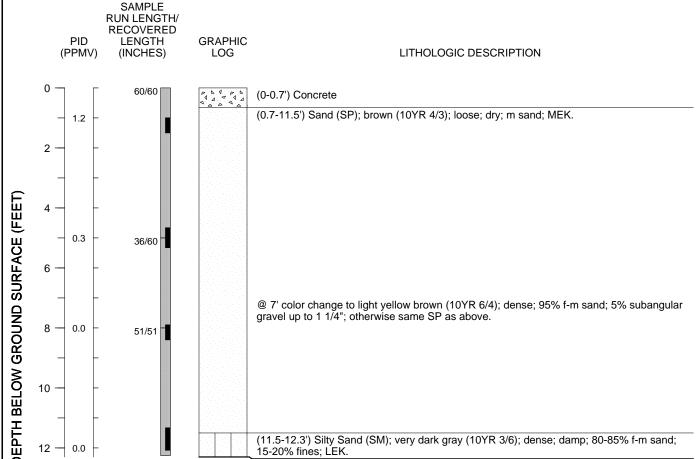
Boring diameter: 2.25"

Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. 1% LEL detected at 7 feet bgs; no other FID detections

PAGE 1 OF 1



Bottom of boring at 12.3 feet.

EXPLANATION

Abbreviations: Symbols: Logged by: Will McConihe Checked by: f = fine grained

Core run interval FID = flame ionization detector

Drilling contractor: Gregg Drilling and Testing Location of sample collected for analysis

LEK = low estimated hydraulic conductivity Drilling contractor license: C57 485165 m = medium grained Driller: Jose

MEK = moderate estimated hydraulic conductivity Date started: 9/26/2016 PID = photo-ionization detector Date completed: 9/26/2016 ppm = parts per million Date sealed: 9/26/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.

Notes:

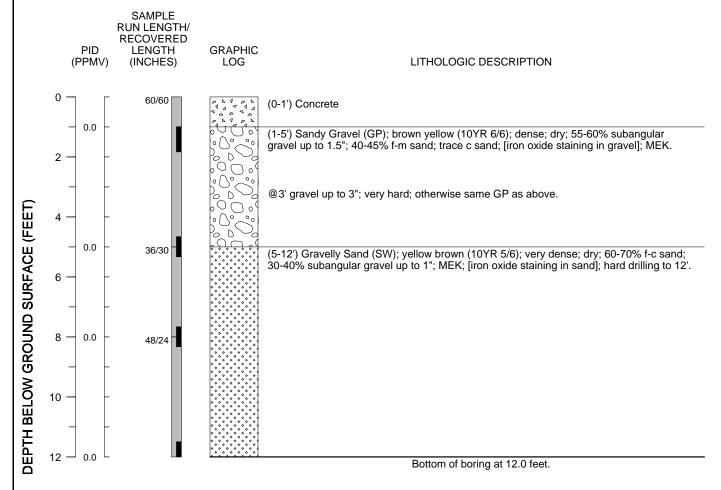
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Boring diameter: 2.25"



-- DRAFT --**BORING SB-30** -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Logged by: Will McConihe, PG Abbreviations: Symbols:

Checked by: c = coarse grained Core run interval

Drilling contractor: Gregg Drilling and Testing f = fine grained Location of sample collected for analysis FID = flame ionization detector Drilling contractor license: C57 485165

m = medium grained Driller: Jose

MEK = moderate estimated hydraulic conductivity Date started: 9/26/2016 PID = photo-ionization detector Date completed: 9/26/2016 ppm = parts per million Date sealed: 9/26/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

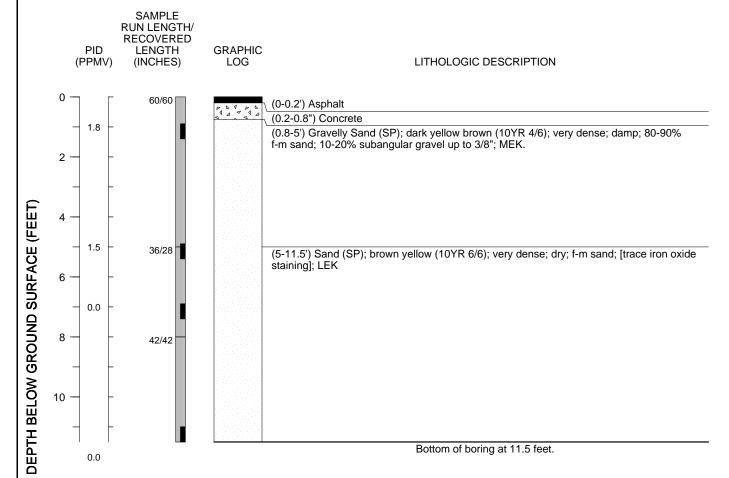
Notes: 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.

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Boring diameter: 2.25"



PAGE 1 OF 1



EXPLANATION

Abbreviations:

f = fine grained

FID = flame ionization detector

LEK = low estimated hydraulic conductivity m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Will McConihe Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose Date started: 9/27/2016

Date completed: 9/27/2016 Date sealed: 9/27/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

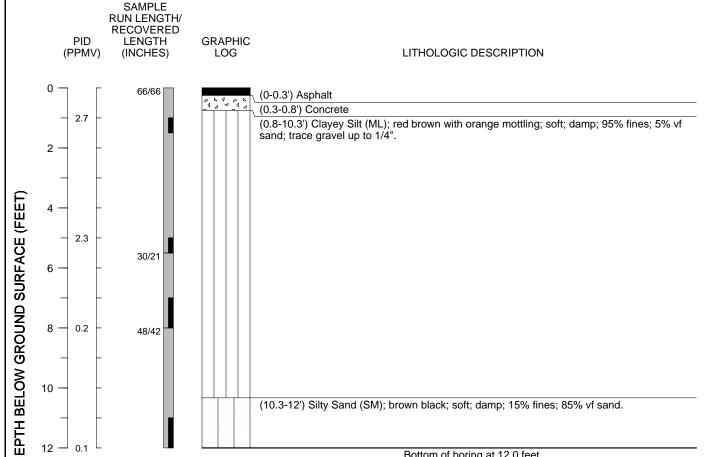
Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.



BORING SB-32 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



Bottom of boring at 12.0 feet.

EXPLANATION

Abbreviations:

FID = flame ionization detector PID = photo-ionization detector

ppm = parts per million vf = very fine grained

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Joyce Adams, PG

Checked by: Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose

Date started: 9/28/2016 Date completed: 9/28/2016 Date sealed: 9/28/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

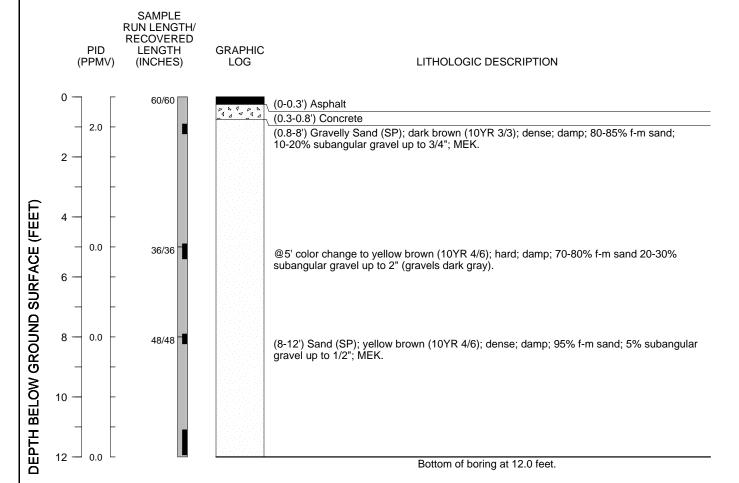
Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

-- DRAFT --**BORING SB-33** -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Will McConihe

f = fine grained

FID = flame ionization detector m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose

Date started: 9/27/2016 Date completed: 9/27/2016 Date sealed: 9/27/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

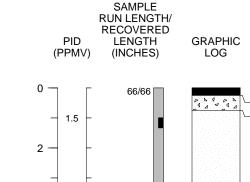
Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

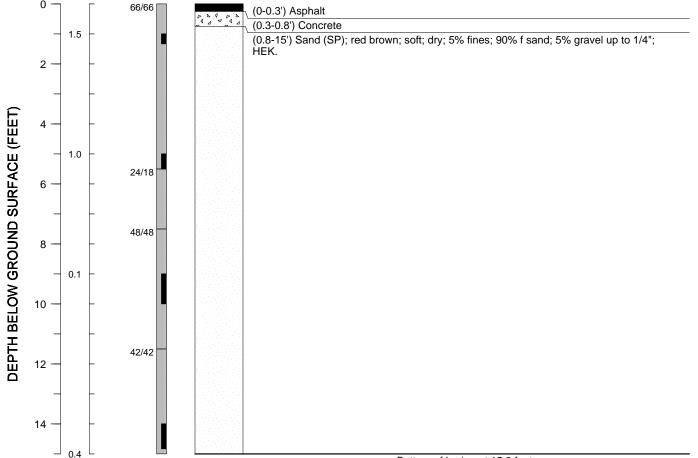
No FID detections.



PAGE 1 OF 1



LITHOLOGIC DESCRIPTION



Bottom of boring at 15.0 feet.

EXPLANATION

Abbreviations: f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Joyce Adams, PG Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165

Driller: Jose Date started: 9/28/2016 Date completed: 9/28/2016 Date sealed: 9/28/2016

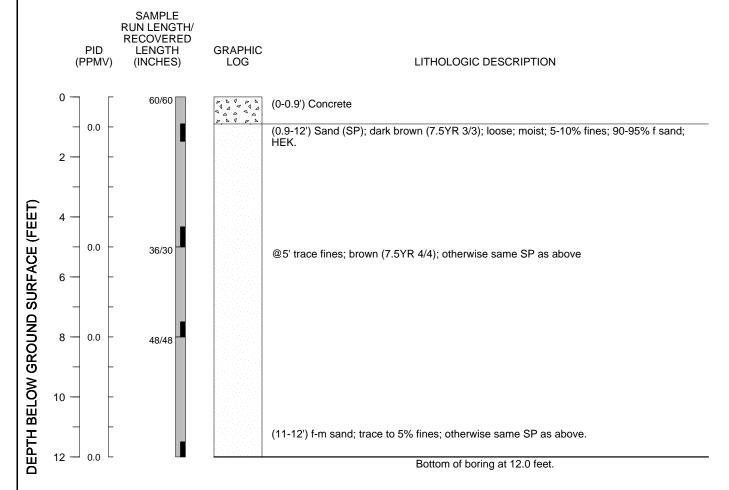
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Rob Davis, PG

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity

m = medium grained

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos

Date started: 11/1/2016 Date completed: 11/1/2016 Date sealed: 11/1/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

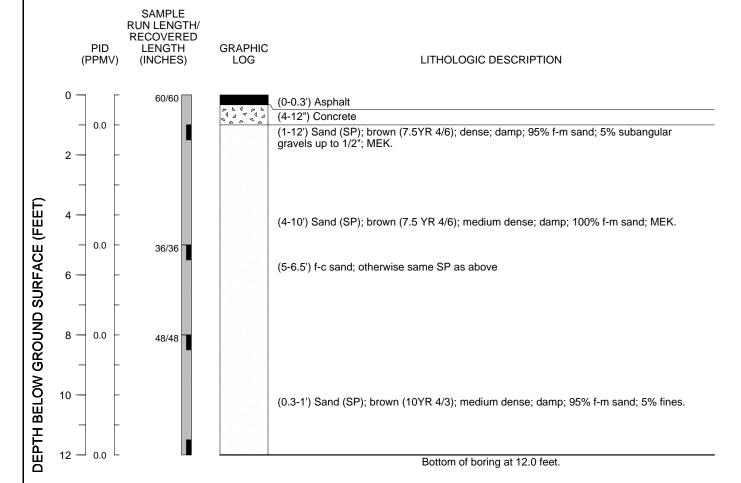
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

No FID detections.

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PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Will McConihe Checked by:

f = fine grained Core run interval FID = flame ionization detector

Drilling contractor: Gregg Drilling and Testing Location of sample collected for analysis m = medium grained Drilling contractor license: C57 485165

MEK = moderate estimated hydraulic conductivity Driller: Jose

PID = photo-ionization detector Date started: 9/26/2016 ppm = parts per million Date completed: 9/26/2016 Date sealed: 9/26/2016

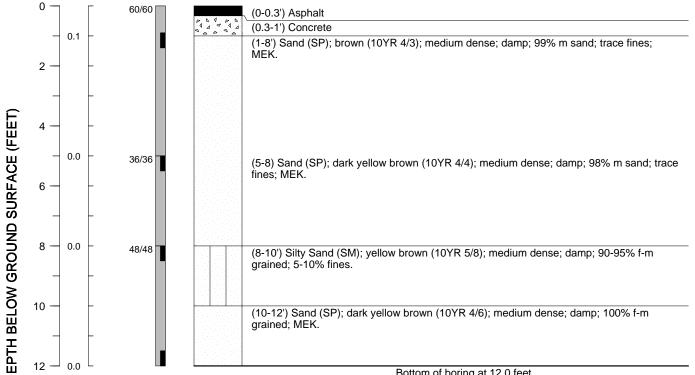
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. Boring diameter: 2.25" No FID detections.

-- DRAFT --**BORING SB-37** -- DRAFT --

PAGE 1 OF 1



LITHOLOGIC DESCRIPTION



Bottom of boring at 12.0 feet.

EXPLANATION

Abbreviations: Symbols:

f = fine grained

FID = flame ionization detector

m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Core run interval

Location of sample collected for analysis

Checked by: Drilling contractor:

Gregg Drilling and Testing

Logged by: Will McConihe

Drilling contractor license: C57 485165 Driller: Jose

Date started: 9/29/2016 Date completed: 9/29/2016 Date sealed: 9/29/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

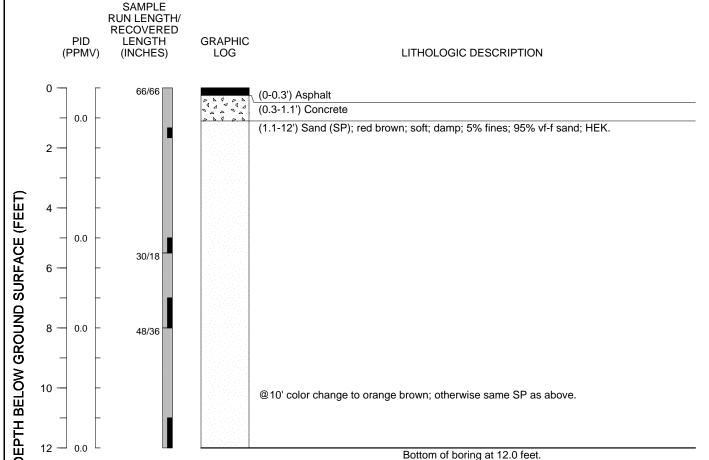
Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

No FID detections.



PAGE 1 OF 1



EXPLANATION

Abbreviations: f = fine grained FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector ppm = parts per million

Symbols:

Core run interval Location of sample collected for analysis

Logged by: Joyce Adams, PG Checked by: Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose

Date started: 9/28/2016 Date completed: 9/28/2016 Date sealed: 9/28/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

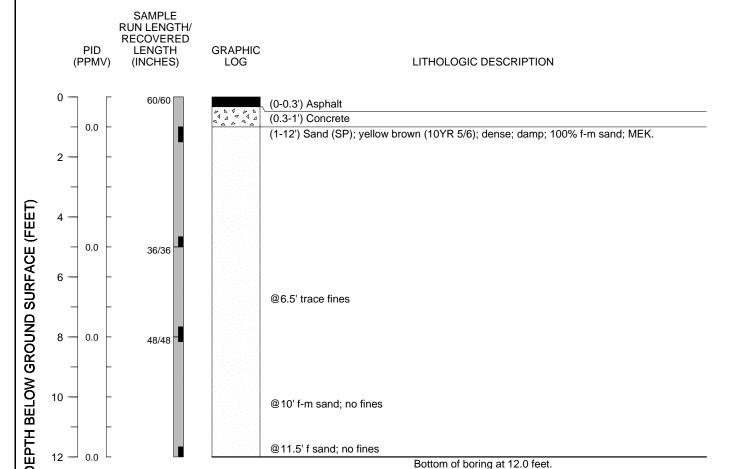
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

No FID detections.

vf = very fine grained



PAGE 1 OF 1



EXPLANATION

Logged by: Will McConihe Abbreviations: Symbols:

Checked by: f = fine grained Core run interval

Drilling contractor: Gregg Drilling and Testing FID = flame ionization detector Location of sample collected for analysis

m = medium grained Drilling contractor license: C57 485165

MEK = moderate estimated hydraulic conductivity Driller: Jose PID = photo-ionization detector Date started: 9/30/2016 ppm = parts per million Date completed: 9/30/2016

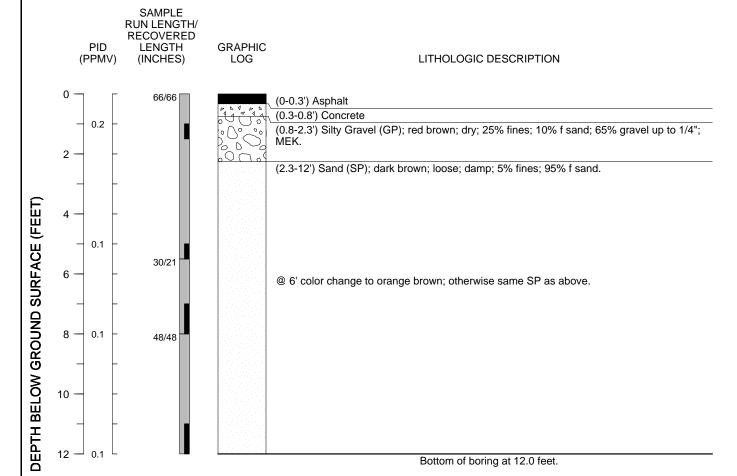
Date sealed: 9/30/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

Boring diameter: 2.25" No FID detections.



-- DRAFT -- BORING SB-40 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Logged by: Joyce Adams, PG

f = fine grained

FID = flame ionization detector

Core run interval

MEK = moderate estimated hydraulic conductivity

Location of sample collected for analysis

PID = photo-ionization detector

ppm = parts per million

Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

Checked by:
Drilling contractor: Gregg Drilling and Testing
Drilling contractor license: C57 485165

g contractor license: C57 485165 Driller: Jose Date started: 9/28/2016 Date completed: 9/28/2016 Date sealed: 9/28/2016

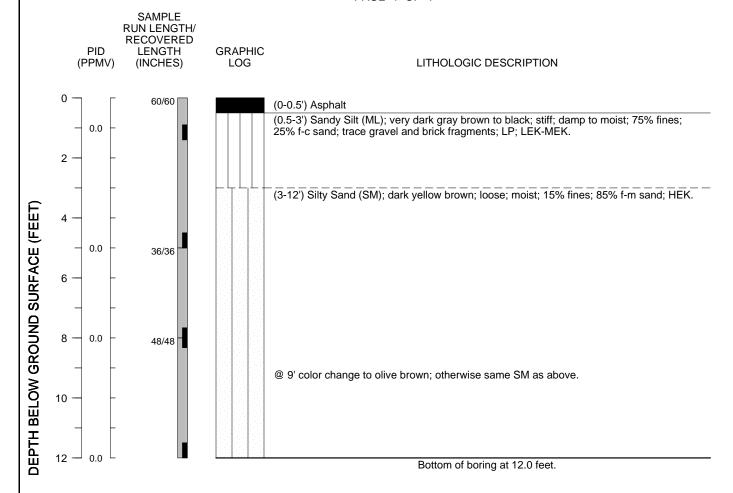
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"



-- DRAFT --**BORING SB-41** -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

c = coarse grained

f = fine grained FID = flame ionization detector

HEK = high estimated hydraulic conductivity

LEK = low estimated conductivity

LP = low plasticity

m = medium grained

MEK = moderate estimated conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Rob Davis, PG Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos

Date started: 11/1/2016 Date completed: 11/1/2016 Date sealed: 11/1/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

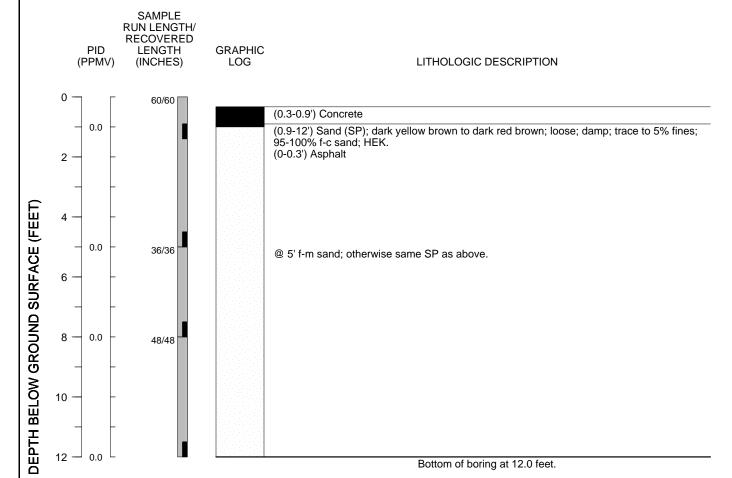
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



BORING SB-42 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

c = coarse grained f = fine grained

FID = flame ionization detector HEK = high estimated hydraulic conductivity

m = medium grained PID = photo-ionization detector ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Rob Davis, PG Checked by:

Drilling contractor: Gregg Drilling and Testing Drilling contractor license: C57 485165

Driller: Leo Santos Date started: 11/1/2016 Date completed: 11/1/2016 Date sealed: 11/1/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

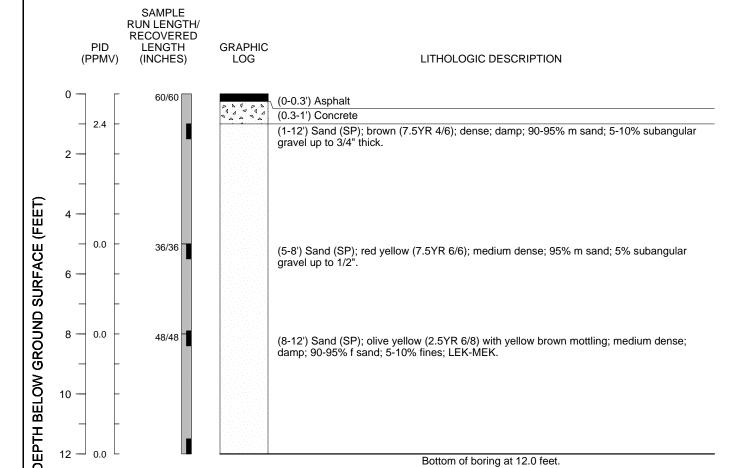
Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.

MA

-- DRAFT -- BORING SB-43 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

f = fine grained

FID = flame ionization detector

LEK = low estimated hydraulic conductivity

LEL = lower explosive limit

m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Will McConihe

Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Jose

Date started: 9/29/2016
Date completed: 9/29/2016
Date sealed: 9/29/2016
Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

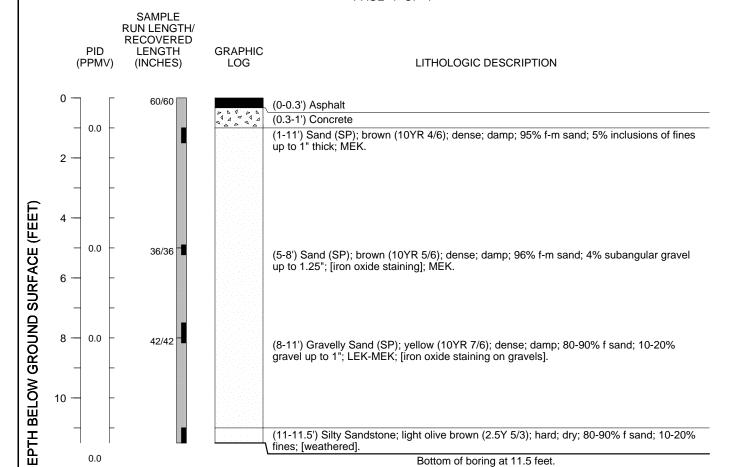
Boring diameter: 2.25"

Notes:

- 1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.
- 2. 2% LEL detection at 12 feet bgs; no other FID detections

-- DRAFT --**BORING SB-44** -- **DRAFT** --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

f = fine grained

FID = flame ionization detector

LEK = low estimated hydraulic conductivity m = medium grained

MEK = moderate estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Logged by: Will McConihe Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165

Driller: Jose Date started: 9/30/2016

Date completed: 9/30/2016 Date sealed: 9/30/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

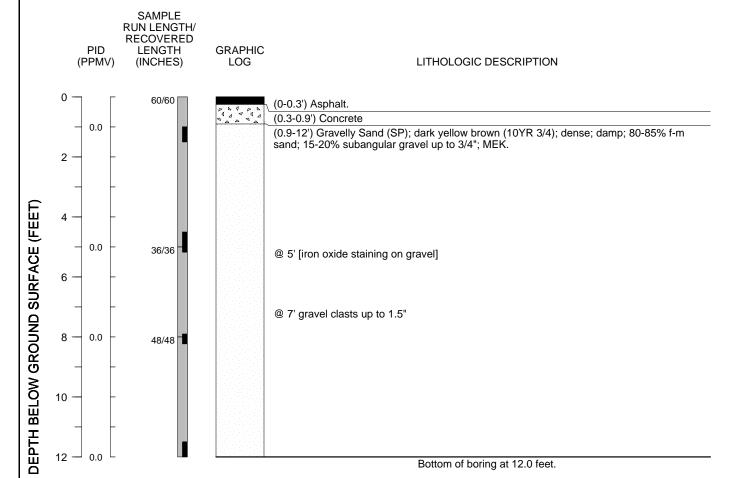
Notes:

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig. 2. No FID detections.



-- DRAFT -- BORING SB-45 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Symbols: Logged by: Will McConihe

Checked by: f = fine grained Core run interval

Drilling contractor: Gregg Drilling and Testing FID = flame ionization detector Location of sample collected for analysis

m = medium grained Drilling contractor license: C57 485165 MEK = moderate estimated hydraulic conductivity Driller: Jose

PID = photo-ionization detector Date started: 9/29/2016 ppm = parts per million Date completed: 9/29/2016 Date sealed: 9/29/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

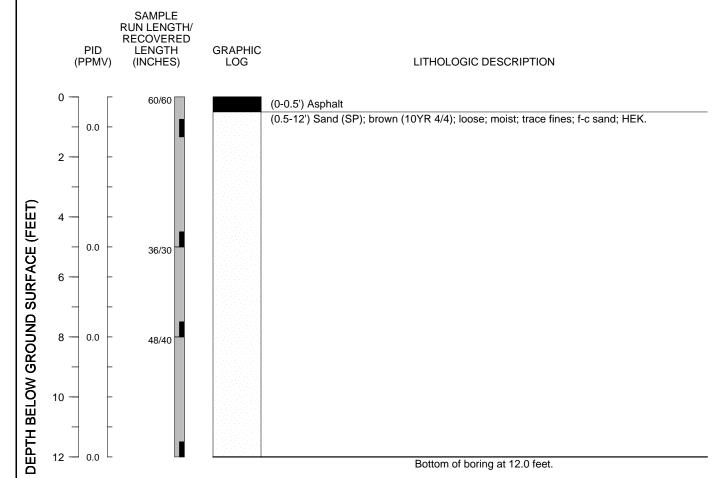
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

Boring diameter: 2.25" No FID detections.



-- DRAFT -- BORING SB-46 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations: Syn c = coarse grained

f = fine grained

FID = flame ionization detector HEK = high estimated hydraulic conductivity

PID = photo-ionization detector ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Checked by: Drilling contractor:

Logged by: Rob Davis, PG Checked by:

Drilling contractor: Gregg Drilling and Testing

Drilling contractor license: C57 485165 Driller: Leo Santos Date started: 11/2/2016 Date completed: 11/2/2016

Date completed: 11/2/2016
Date sealed: 11/2/2016
Drilling method: Drivet Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

Notes:

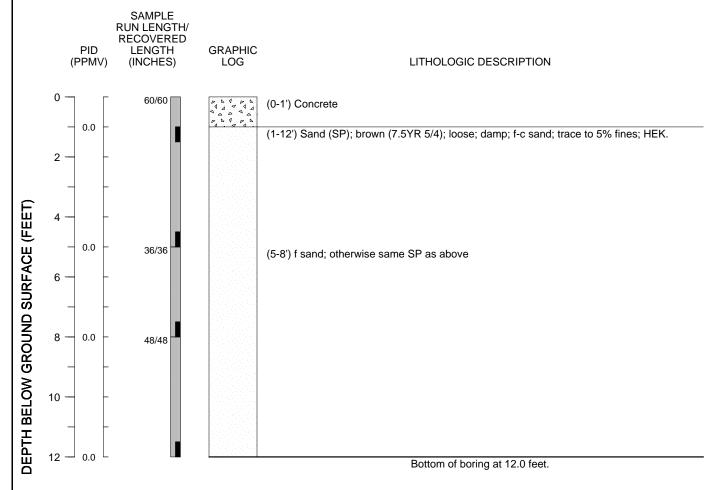
1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.



-- DRAFT -- BORING SB-47 -- DRAFT --

PAGE 1 OF 1



EXPLANATION

Logged by: Rob Davis, PG Abbreviations: Symbols:

c = coarse grained f = fine grained FID = flame ionization detector

HEK = high estimated hydraulic conductivity PID = photo-ionization detector

Core run interval Location of sample collected for analysis

Checked by: Drilling contractor: Gregg Drilling and Testing Drilling contractor license: C57 485165

Driller: Leo Santos Date started: 11/2/2016 Date completed: 11/2/2016 Date sealed: 11/2/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

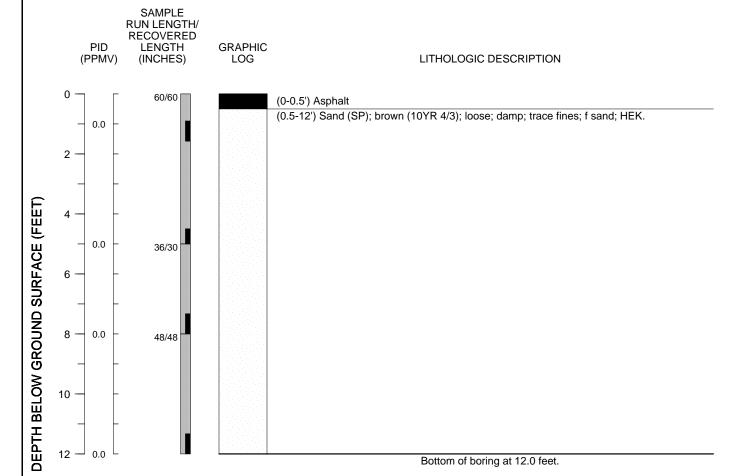
No FID detections.

ppm = parts per million



BORING SB-48 -- DRAFT ---- DRAFT --

PAGE 1 OF 1



EXPLANATION

Abbreviations:

f = fine grained

FID = flame ionization detector

HEK = high estimated hydraulic conductivity

PID = photo-ionization detector

ppm = parts per million

Symbols:

Core run interval

Location of sample collected for analysis

Checked by: Drilling contractor: Gregg Drilling and Testing Drilling contractor license: C57 485165

Driller: Leo Santos Date started: 11/2/2016 Date completed: 11/2/2016

Date sealed: 11/2/2016 Drilling method: Direct Push
Type of sampler: 2" Acetate Sleeve

Logged by: Rob Davis, PG

Boring diameter: 2.25"

1. Boring was hand augered to 5' bgs then advanced with a direct push drill rig.

2. No FID detections.

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