

INFILTRATION TEST FIELD DATA FORM

Test Location: IA Pit D (2023 Pond 2 Pit D)

Initial WL: 4.41/4.29

Pre-Soak Start Date/Time: 11/8 9:40

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	11/9 9:40	4.36	4.21	4.31	1.95
2 nd Test	10:40	4.31	4.15	4.29	1.98
3 rd Test	11:40	4.29	4.12	4.25	1.98
4 th Test	12:40	4.25	4.11	4.25	2.28/hr

Notes:

POND 4

POND 4 INFILTRATION BASIN

Practice Location		Pit Summaries			
This basin is located in the center of the property just west of Douglas Drive. The existing topography is an original slope levelled out with fill gravel. Piles of gravel and aggregate are arranged on the east side of the basin and a wooded slope to the west.		Bore:	A		
		Surface Elevation*:	1139.3		
		ESHWT:	Not found		
		Bedrock:	Not found		
		Deepest Elevation of Pit:	1123.3		
		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
Test Pit Construction		Deepest Elevation of Pit:			
One test bore was installed for this basin on 10/19/21, Bore A. 4" PVC was installed two feet below the bottom of practice, and infiltration testing began on 11/8/2021 with a 24-hr pre-soak.		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
Infiltration Rates (in/hr)		Bedrock:			
Location	Bore A	Deepest Elevation of Pit:			
Test #1	24				
Test #2	24	Pit:			
Test #3	24	Surface Elevation:			
Test #4	24	ESHWT:			
Avg	24	Bedrock:			
DIR**:	12	Deepest Elevation of Pit:			
Location		Bottom of Practice: 1126			
Test #1		Man-made fill present.			
Test #2		BOP 3' below observed fill material			
Test #3					
Test #4					
Avg:					
DIR:					
		*Elevations in feet above mean sea level			
		**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower			
<table border="1"> <tr> <td>Basin Average:</td> <td>12</td> </tr> </table>		Basin Average:	12		
Basin Average:	12				



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Crawford Drilling Services

Test Boring Log No.: Pond 4 Bore A **Operator:** Tony Holman

Date: 10/19/2021 **Inspector:** E. Jennings

Site Conditions:

Equipment

Test Bore Location

CME 55

44.344277°, -71.691335°

Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
13'		Gray GRAVEL and cobbles (fill material)	D	
16'		Brown SILTY TILL, some clay	M	
		Summary: Bedrock or restricting feature not encountered. SHWT unable to be determined. Seepage was not observed.		

INFILTRATION TEST FIELD DATA FORM

Test Site: Pond 30 bore a (2023 Pond 4 Bore A)

Initial WL: dry

Pre-Soak Start Date/Time: 1923 13:40

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour
1 st Test	10/28 13:40	dry	15.99	dry
2 nd Test	14:10	dry	15.39 19	15.21
3 rd Test	15:40	15.21	15.18	15.92
4 th Test	16:40	15.92	15.00	15.73

Notes:

POND DD6

POND DD6 INFILTRATION BASIN

Practice Location		Pit Summaries	
This basin is located in the southern part of the property, just west of Douglas Drive. The existing topography is flat and open, with a ditch running parallel to Douglas Drive and several piles of sand or gravel to the north.		Pit:	A
		Surface Elevation*:	1149
		ESHWT:	Not found
		Bedrock:	Not found
		Deepest Elevation of Pit:	1147
Test Pit Construction		Pit:	
One test pit was installed for this basin on 10/25/21, Pit A. 4" PVC was installed two feet below the bottom of practice, and infiltration testing began on 11/8/2021 with a 24-hr pre-soak.		Surface Elevation:	
		ESHWT:	
		Bedrock:	
		Deepest Elevation of Pit:	
		Pit:	
		Surface Elevation:	
		ESHWT:	
		Bedrock:	
		Deepest Elevation of Pit:	
		Pit:	
		Surface Elevation:	
		ESHWT:	
Bedrock:			
Infiltration Rates (in/hr)		Bedrock:	
Location	Pit A	Deepest Elevation of Pit:	
Test #1	24		
Test #2	24	Pit:	
Test #3	24	Surface Elevation:	
Test #4	24	ESHWT:	
Avg	24	Bedrock:	
DIR**:	12	Deepest Elevation of Pit:	
		Bottom of Practice:	1149
Location			
Test #1			
Test #2			
Test #3			
Test #4			
Avg:			
DIR:			
		*Elevations in feet above mean sea level	
		**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower	
Basin Average:		12	



Horizons Engineering, Inc.
34 School Street

Littleton, NH 03561

Test Boring Log No.: DD6 Pit A

Date: 10/15/2021

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: E. Jennings

Site Conditions:

Equipment

Test Pit Location

Cat 304 CR

44.340999°, -71.694328°

Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.25'		Yellowish brown (10YR/5/6) GRAVELLY LOAM (topsoil). Loose, silt-- gravel, dry, well rooted, rich in organic material,	E	
.5'		Yellowish brown (10YR/5/8) SAND, loose, medium grained -- gravel, poorly sorted. Dry	E	
12"		Brown (10YR/5/3) SAND, very compact, medium grained occasional boulders, trace silt, poorly sorted. Dry	E	
		Summary: Bedrock or restricting layer not encountered. Estimated seasonally not encountered. Seepage was not observed.		

INFILTRATION TEST FIELD DATA FORM

Test Site: Bmp-6 All (2023 Pond DD6 Pit A)

Initial WL: dry

Pre-Soak Start Date/Time: 6/25 13:45

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour
1 st Test	6/25 13:45	dry	3.95	dry
2 nd Test	14:45	dry	3.71	dry
3 rd Test	15:45	dry	3.54	dry
4 th Test	16:45	dry	3.55	dry @ 17:17

Notes:

POND 7

POND 7 INFILTRATION BASIN			
Practice Location		Pit Summaries	
This basin is located in the center of the property, west of Douglas Drive. The existing topography is a bouldery hill.		Pit:	B
		Surface Elevation*:	1145.4
		ESHWT:	Not found
		Bedrock:	Not found
		Deepest Elevation of Pit:	1036
Test Pit Construction		Pit:	C
Two infiltration test pits, Pit B and Pit C were excavated for this location on 10/7/22. 4" PVC was installed 2' below the bottom of the practice. Infiltration testing began on 10/27/22 with a 24-hr pre-soak.		Surface Elevation:	1142
		ESHWT:	Not found
		Bedrock:	Not found
		Deepest Elevation of Pit:	1036
		Pit:	
		Surface Elevation:	
		ESHWT:	
		Bedrock:	
		Deepest Elevation of Pit:	
		Pit:	
Infiltration Rates (in/hr)		Bedrock:	
Location	Pit B	Pit C	Deepest Elevation of Pit:
Test #1	19.2	24	
Test #2	15.96	24	Pit:
Test #3	16.2	24	Surface Elevation:
Test #4	24	24	ESHWT:
Avg	18.84	24	Bedrock:
DIR**:	9.42	12	Deepest Elevation of Pit:
		Bottom of Practice: 1138	
Location			
Test #1			
Test #2			
Test #3			
Test #4			
Avg:			
DIR:			
		*Elevations in feet above mean sea level	
		**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower	
Basin Average:		10.71	



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Test Boring Log No.: Pond 7 Pit B **Operator:** Doug Ingerson III

Date: 10/7/2022 **Inspector:** Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Bore Location</u>	
		Hitachi EX60G	44.34639°, -71.69329	
Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
1.3'		Very dark grey (5YR 3/1) organic rich top soil, well rooted. Fine silty loam, moist	E	
3.8'		Reddish brown (2.5YR 4/4) SANDY SILT, some cobbles and boulders, compact. Friable, dense, compact, and oxidized. Dry	M	
9.4'		Dark yellowish brown (10YR 4/6) SANDY TILL with cobbles and boulders. Friable, dense, and compact. Dry	M	
		Summary: Bedrock or restricting feature not encountered. SHWT not determined. Seepage was not observed.		



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 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Test Boring Log No.: Pond 7 Pit C **Operator:** Doug Ingerson III

Date: 10/7/2022 **Inspector:** Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Bore Location</u>	
		Hitachi EX60G	44.34615°, -71.69378	
Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
.8'		Black (5YR 2.5/1) organic rich top soil, well rooted. Fine silty loam, moist	E	
3.0'		Reddish brown (2.5YR 4/4) SANDY SILT, some cobbles and boulders, compact. Friable, dense, compact, and oxidized. Moist	E	
6.0'		Dark yellowish brown (10YR 4/6) SANDY TILL with cobbles and boulders. Friable, dense, and compact. Dry	M	
		Summary: Bedrock or restricting feature not encountered. SHWT not encountered. Seepage was not observed.		

INFILTRATION TEST FIELD DATA FORM

Test Location: Canal 47 Pit B (2023 Pond 7 Pit B)

Initial WL: dry

Pre-Soak Start Date/Time: 10/27/8:50

TO - 12.95

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1st Test	10/28 8:50	dry	10.95	12.05	1.6 2/h
2nd Test	9:50	12.05	10.11	11.38	1.35 2/h
3rd Test	10:50	11.38	9.51	10.73	1.35 2/h
4th Test	11:50	10.73	8.75	dry	7.2 2/h

Notes:

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 43 @ RC (2023 Pond 7 Pit C)

Initial WL: dry / 9.32

Pre-Soak Start Date/Time: 10/27 8:40

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/28 8:40	dry	9.34	dry	> 2.5 in/hr
2 nd Test	9:40	dry	9.71	dry	> 2.5 in/hr
3 rd Test	10:40	dry	9.38	dry	> 2.5 in/hr
4 th Test	11:40	dry	9.28	dry	> 2.5 in/hr

Notes:

POND 9

POND 9 INFILTRATION BASIN

Practice Location		Pit Summaries			
This infiltration basin is located in the center of the property, east of Douglas Drive and abutting a dirt road which travels east from Douglas Drive. The existing topography is a wooded slope cut by a dirt road to the north and continuing to an old logging path at the foot of the slope.		Pit:	A		
		Surface Elevation*:	1171		
		ESHWT:	Not found		
		Bedrock:	Not found		
		Deepest Elevation of Pit:	1164		
		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
Test Pit Construction		Deepest Elevation of Pit:			
One infiltration test pit, Pit A, was excavated for this location on 10/12/21. 4" PVC was installed 2' below the bottom of the practice. Infiltration testing began on 10/27/21 with a 24-hr pre-soak		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
Infiltration Rates (in/hr)		Bedrock:			
Location	Pit A	Deepest Elevation of Pit:			
Test #1	24				
Test #2	24	Pit:			
Test #3	24	Surface Elevation:			
Test #4	24	ESHWT:			
Avg	24	Bedrock:			
DIR**:	12	Deepest Elevation of Pit:			
		Bottom of Practice: 1166			
Location					
Test #1					
Test #2					
Test #3					
Test #4					
Avg:					
DIR:					
		*Elevations in feet above mean sea level			
		**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower			
<table border="1"> <tr> <td>Basin Average:</td> <td>12</td> </tr> </table>		Basin Average:	12		
Basin Average:	12				



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Test Pit Log No.: Pond 9 Pit A

Date: 10/12/2021

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: E. Jennings

Site Conditions:

Equipment

Test Pit Location

Cat 304 CR

44.347824°, -71.688440°

Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
1.1'		Yellow (10YR/7/6) SILTY LOAM (topsoil). Loose, fine -- medium grained, moist, well rooted, rich in organic material, clay blobs >2"	E	
7'		Dark grayish brown (10YR/4/2) SILTY TILL, compact, silt -- boulders, poorly sorted. Dry	M	
		<p>Summary: Bedrock or restricting layer not encountered. Estimated seasonally high-water not encountered. Seepage was not observed.</p>		

INFILTRATION TEST FIELD DATA FORM

Test Site: Pond 7 Pit A (2023 Pond 9 Pit A)

Initial WL: dry

Pre-Soak Start Date/Time: 10/27 13:20

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour
1 st Test	10/28 13:20	dry	8.53	dry
2 nd Test	14:20	dry	9.27	dry
3 rd Test	15:20	dry	8.52	dry
4 th Test	15:20	dry	8.95	dry

Notes:

POND 10

POND 10 INFILTRATION BASIN

Practice Location		Pit Summaries			
This infiltration basin is located on the east of the property, south of a dirt road running east west from Douglas Drive. The current topography consists of a bouldery ridge with birch and pine growth skirting several vernal pools and wetlands.		Pit:	B		
		Surface Elevation*:	1200.3		
		ESHWT:	Not found		
		Bedrock:	Not found		
		Deepest Elevation of Pit:	1196		
Test Pit Construction		Pit:			
One infiltration test pit was constructed for Pond 10, Pit B on 10/13/22. 4-inch PVC was inserted to the deepest part of the pit, and borehole infiltration testing commenced with a 24-hr pre-soak on 10/24/22.		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
		Pit:			
		Surface Elevation:			
		ESHWT:			
		Bedrock:			
		Deepest Elevation of Pit:			
		Pit:			
		Surface Elevation:			
		ESHWT:			
Bedrock:					
Infiltration Rates (in/hr)		Deepest Elevation of Pit:			
Location	Pit B				
Test #1	24				
Test #2	24	Pit:			
Test #3	24	Surface Elevation:			
Test #4	24	ESHWT:			
Avg	24	Bedrock:			
DIR**:	12	Deepest Elevation of Pit:			
		Bottom of Practice:	1198		
Location					
Test #1					
Test #2					
Test #3					
Test #4					
Avg:					
DIR:					
		*Elevations in feet above mean sea level			
		**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower			
<table border="1"> <tr> <td>Basin Average:</td> <td>12</td> </tr> </table>		Basin Average:	12		
Basin Average:	12				



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Test Pit Log No.: Pond 10 Pit B

Date: 10/13/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: E. Jennings

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Hitachi EX60G	44.348889°, -71.685833°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.4'		Very dark greyish brown (10YR 5/2) loose, well rooted organic rich silty loam topsoil	E	
1.2'		Yellowish brown (10YR 5/6) GRAVELLY SILT, loose	E	
4.3		Grey (10 YR 5/1) SAND with cobbles and gravel. Very loose	E	
		Summary: Bedrock or restricting layer not encountered. Estimated seasonally high-water not encountered. Seepage was not observed.		

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 5 P.10 (2023 Pond 10 Pit B)

Initial WL: dry / 5.10

Pre-Soak Start Date/Time: 10/24/22 / 12:30

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/25 12:30	dry	4.81	dry	> 2 ft/hr
2 nd Test	13:30	dry	4.68	dry	> 2 ft/hr
3 rd Test	14:30	dry	4.68	dry	> 2 ft/hr
4 th Test	15:30	dry	4.71	dry	> 2 ft/hr

Notes:

POND 12

POND 12 INFILTRATION BASIN

Practice Location					Pit Summaries	
This basin is in the central part of the property, just west of Douglas Drive. The current topography is a wooded, bouldery hill					Bore:	A
					Surface Elevation*:	1142
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1134
Test Pit Construction					Bore:	B
Three test bores were installed for this basin on 10/20/2021, Bore A, B, and C. 4" PVC was installed to the bottom of each bore, and infiltration testing began on 11/1/22 with a 24-hr pre-soak.					Surface Elevation:	1150.4
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1135.4
					Bore:	C
					Surface Elevation:	1148.3
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1133.8
					Pit:	
					Surface Elevation:	
					ESHWT:	
					Bedrock:	
					Deepest Elevation of Pit:	
Infiltration Rates (in/hr)						
Location	Bore A	Bore B	Bore C	Deepest Elevation of Pit:		
Test #1	0.72	0	24			
Test #2	0.6	0	24	Pit:		
Test #3	0.6	0	24	Surface Elevation:		
Test #4	0	0	24	ESHWT:		
Avg	0.48	0	24	Bedrock:		
DIR**:	0.24	0	24	Deepest Elevation of Pit:		
					Bottom of Practice: 1131.5	
Location					Unable to reach BOP (boulders)	
Test #1						
Test #2						
Test #3						
Test #4						
Avg:						
DIR:						
					*Elevations in feet above mean sea level	
					**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower	
Basin Average:					8.08	



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Crawford Drilling Services

Test Boring Log No.: Pond 12 Bore A **Operator:** Tony Holman

Date: 10/20/2021 **Inspector:** E. Jennings

Site Conditions:

Equipment

Test Bore Location

CME 55

44.350143°, -71.694769°

Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
.5'		Dark brown organic rich SILTY LOAM (topsoil)	E	
6'		Grey SILTY TILL, some gravel	M	
8'		Tan CLAYEY TILL, boulders	D	
		Summary: Bedrock or restricting feature not encountered. SHWT unable to be determined. Seepage was not observed.		



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Crawford Drilling Services

Test Boring Log No.: Pond 12 Bore B **Operator:** Tony Holman

Date: 10/20/2021 **Inspector:** E. Jennings

Site Conditions:

Equipment

Test Bore Location

CME 55

44.350042°, -71.695270°

Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
.5'		Dark brown organic rich SILTY LOAM (topsoil)	E	
13'		Grey SILTY TILL, clay – boulders	D	
		Summary: Bedrock or restricting feature not encountered. SHWT unable to be determined. Seepage was not observed.		



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Crawford Drilling Services

Test Boring Log No.: Pond 12 Bore C **Operator:** Tony Holman

Date: 10/20/2021 **Inspector:** E. Jennings

Site Conditions:

Equipment

Test Bore Location

CME 55

44.349850°, -71.695371°

Depth	Sketch	Description	Drilling Effort (Easy, Moderate, Difficult)	Other
.5'		Dark brown organic rich SILTY LOAM (topsoil)	E	
12'		Grey SILTY TILL, clay – boulders	D	
		Summary: Bedrock or restricting feature not encountered. SHWT unable to be determined. Seepage was not observed.		

INFILTRATION TEST FIELD DATA FORM

Test Site: Pond 4-B Bore A (2023 Pond 12 Bore A)

Initial WL: 7.30

Pre-Soak Start Date/Time: 11/11 - 13:00

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	
1 st Test	11/2 13:00	5.13	3.15	3.21	.06
2 nd Test	14:00	3.21	1.02	1.07	.05
3 rd Test	15:00	1.07	1.02 (see note)	1.02	.00
4 th Test	16:00	1.02	no water added	1.02	

Notes: Filling with 250 of water for the 3rd test would overflow the casing. Called Joel B, and decided to top off to previous WL. ~~4th~~ WL had not changed in an hour so no water was added for 4th hour

INFILTRATION TEST FIELD DATA FORM

Test Site: Pond A-B Bore B (2023 Pond 12 Bore B)

Initial WL: dry

Pre-Soak Start Date/Time: 11/1 13:05

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour
1 st Test	11/2 13:05	14.34	12.33	12.39
2 nd Test	14:05	12.34	10.37	10.40
3 rd Test	15:05	10.40	8.46	8.49
4 th Test	16:05	8.49	6.43	6.46

Notes:

INFILTRATION TEST FIELD DATA FORM

Test Site: Parl f-B Bore C (2023 Pond 12 Bore C)

Initial WL: dry

Pre-Soak Start Date/Time: 11/1 13:10

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour
1 st Test	11/2 13:10	dry	13.12	dry
2 nd Test	14:10	dry	13.28	dry
3 rd Test	15:10	dry	13.24	dry
4 th Test	16:10	dry	12.91	dry

Notes:

POND 13

POND 13 INFILTRATION BASIN

Practice Location					Pit Summaries	
This basin is located in the north central part of the property, to the east of Douglas Drive. The existing topography is a bouldery hill					Pit:	A
					Surface Elevation*:	1169.5
					ESHWT:	1161.5
					Bedrock:	Not found
					Deepest Elevation of Pit:	1161
Test Pit Construction					Pit:	B
Five infiltration test locations were installed for this basin. Pit A, Pit B and Pit C were excavated between 10/14/22 and 10/17/22. 4" PVC was installed to two feet below the bottom of practice, and infiltration testing began with a 24-hr pre-soak on 10/20/2022. Soil Boring A and Soil Boring B were drilled on 10/19/2022. 4" steel casing was installed to two feet below the bottom of practice and removed after testing was concluded. Infiltration testing on the borings began on 10/19/2022 with a 24-hr pre-soak.					Surface Elevation:	1170
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1161
					Pit:	C
					Surface Elevation:	1169.2
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1161
					Bore:	A
Infiltration Rates (in/hr)					Surface Elevation:	1172.6
					ESHWT:	Not found
					Bedrock:	Not found
					Deepest Elevation of Pit:	1161
					Bore:	B
Location	Pit A	Pit B	Pit C	Surface Elevation:	1172.4	
Test #1	5.76	24	22.2	ESHWT:	Not found	
Test #2	12.6	24	23.28	Bedrock:	Not found	
Test #3	24	24	22.92	Deepest Elevation of Pit:	1161	
Test #4	10.32	24	23.52	Bottom of Practice: 1163		
Avg	13.17	24	22.98			
DIR**:	5.16	12	11.49			
Location	Bore A	Bore B				
Test #1	22.8	0.12				
Test #2	23.76	6.36				
Test #3	23.76	8.04				
Test #4	23.76	10.32				
Avg:	23.52	6.21				
DIR:	11.76	3.1				
Basin Average: 8.702					*Elevations in feet above mean sea level	
					**Design infiltration rate is half of either the average rate over four tests, or the final test rate if lower	



Horizons Engineering, Inc.
34 School Street
Littleton, NH 03561

Test Pit Log No.: Pond 13 Pit A

Date: 10/17/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Hitachi EX60G	44.35256°, -71.69619°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.6		Dark yellowish brown (10YR 4/6) loose, well rooted organic rich silty loam topsoil	E	
.9'		Grayish brown (10YR 5/2) SANDY SILT trace organic material, some cobbles and boulders. Moist and compact	M	
4'		Dark reddish brown (5YR 3/3) medium SAND. Some gravel, cobble, and boulders. Moist, friable, and compact	D	
8.5'		Yellowish brown (10YR 5/4) medium SAND, some gravel, cobbles, and boulders. Mottled 7.5-8.5 with trace clay	D	SHWT-7.5'
		<p>Summary: Bedrock or restricting layer not encountered. Estimated seasonally high-water encountered 7.5'. Seepage was not observed.</p>		



Horizons Engineering, Inc.
34 School Street
Littleton, NH 03561

Test Pit Log No.: Pond 13 Pit B

Date: 10/17/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Hitachi EX60G	44.3521°, -71.69643°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.5'		Dark yellowish brown (10YR 4/6) loose, well rooted organic rich silty loam topsoil	E	
.9'		Grayish brown (10YR 5/2) SANDY SILT trace organic material, some cobbles and boulders. Moist and loose	E	
2'		Dark reddish brown (5YR 3/3) SILTY SAND. Trace gravel, and cobbles. Moist, friable, and compact	E	
8.5'		Yellowish brown (10YR 5/4) medium SAND, some gravel, cobbles, and boulders. Compact and dry	M	
		<p>Summary: Bedrock or restricting layer not encountered. Estimated seasonally high-water not encountered. Seepage was not observed.</p>		



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Test Pit Log No.: Pond 13 Pit C

Date: 10/14/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: Ethan Jennings

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Hitachi EX60G	44.352222°, -71.695833°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.3'		Black (7.5YR 2/0) loose, well rooted organic rich clay loam topsoil	E	
2.4'		Dark yellowish brown (10YR 4/6) TILL Clay to boulders, very compact	D	
4.9'		Light brownish grey (10YR 6/3) TILL. Clay to boulders, very compact	D	
8.2'		Olive grey (5Y 5/2) CLAY SILT. Some large cobbles. Very compact, snappable in hand	D	
		<p>Summary: Restricting layer encountered 2.6'. Estimated seasonally high-water not encountered. Seepage was not observed.</p>		



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Test Pit Log No.: Pond 13 Bore A

Date: 10/19/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Diedrich D50	44.35235°, -71.69625°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.5'		Dark yellowish brown (10YR 4/6) loose, well rooted organic rich topsoil. Moist	E	
1'		Grayish brown (10YR 5/2) SANDY SILT. Moist	E	
2.5'		Dark reddish brown (5YR 3/3) SANDY SILT, some cobbles and boulders. Dry and compact	D	
11.6'		Yellowish brown (10YR 5/4) medium SAND. Some cobbles and boulders, trace clay	D	
		Summary: Restricting layer not encountered. Estimated seasonally high-water not encountered. Seepage was not observed.		



Horizons Engineering, Inc.
 34 School Street
 Littleton, NH 03561

Test Pit Log No.: Pond 13 Bore B

Date: 10/19/2022

Project: Granite State Landfill

Project No.: 19045

Client: Casella

Subcontractor: Chick's Sand and Gravel

Operator: Doug Ingerson III

Inspector: Nick Barker

<u>Site Conditions:</u>		<u>Equipment</u>	<u>Test Pit Location</u>	
		Diedrich D50	44.35213°, -71.69611°	
Depth	Sketch	Description	Digging Effort (Easy, Moderate, Difficult)	Other
.6'		Dark yellowish brown (10YR 4/6) loose, well rooted organic rich topsoil. Moist	E	
1.1'		Grayish brown (10YR 5/2) SANDY SILT. Moist	E	
3.0'		Dark reddish brown (5YR 3/3) SANDY SILT, some cobbles and boulders. Dry and compact	D	
11.4'		Yellowish brown (10YR 5/4) medium SAND. Some cobbles and boulders, trace clay, moist	D	Likely SHWT/G W
		<p>Summary: Restricting layer not encountered. Estimated seasonally high-water encountered, likely approximately 11 ft. Seepage was not observed.</p>		

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 4t pit A (2023 Pond 13 Pit A)

Initial WL: dry / 6.94

Pre-Soak Start Date/Time: 10/20/22 12:35

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/21 12:35	9.08	6.91	7.55	
2 nd Test	13:35	7.58	10 5.55	6.61	
3 rd Test	14:35	6.67	4.60	9.82	
4 th Test	15:35	9.82	8.59	8.68	

Notes: loud gurgles heard after 3rd test water added

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 44 Pit B (2023 Pond 13 Pit B)

Initial WL: dry / 10.00 after soak (infiltration) quickly

Pre-Soak Start Date/Time: 10/20/22 12:20

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/22 12:20	dry	9.82	dry	5200/hr
2 nd Test	10/22 13:20	dry	9.76	dry	=
3 rd Test	10/22 14:20	dry	9.61	dry	=
4 th Test	16:20	dry	9.78	dry	=

Notes:

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 44 P+C (2023 Pond 13 Pit C)

Initial WL: 9.49 / 9.25 after

Pre-Soak Start Date/Time: 10/20/22 12:05

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/20 12:05	9.44	9.25	9.29	
2 nd Test	13:05	9.29	9.15	9.23	
3 rd Test	14:05	9.23	9.07	9.14	
4 th Test	15:05	9.14	8.92	9.10	

Notes:

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 44 SB-A (2023 Pond 13 Bore A)

Initial WL: 10.6' bTOL (approx. ^{Work Water /} gw height) => Add 2' of water; 8.6' bTOL

Pre-Soak Start Date/Time: 10/19/22 @ 12:00

* Start testing on 10/20/22 @ 12:00 after
24 hr pre-soak

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/20/22 12:00	12.34	10.25	12.24	1.98 ft/hr
2 nd Test	13:00	12.24	10.59	12.22	1.98 ft/hr
3 rd Test	14:00	12.22	10.58	12.20	1.98 ft/hr
4 th Test	15:00	12.20	10.62	12.18	1.98 ft/hr

Notes: Due to drilling of borings => gw detection was difficult
Based on work water in hole, it is possible that
gw may exist @ depth, but cannot determine until
infiltration testing is performed.

→ Recore WL @ 7:58 on 10/20/22 => 12.22' bTOL

→ Initial WL on 10/19/22 was released w/ a negative test result

INFILTRATION TEST FIELD DATA FORM

Test Location: Pond 44 SB-B (2023 Pond 13 Bore B)

Initial WL: 10.55' b70c (approx. Well No. 60/60 ft) => Add 5' of water: 9.85' b70c.

Pre-Soak Start Date/Time: 10/19/22 @ 12:45
 + plan to start testing on 10/20/22 @
 12:45 after 24-hour pre-soak

	Date/Time	Initial WL	WL After Water Added	WL After 1 Hour	Rate of Infiltration
1 st Test	10/20/22 12:45	9.07	7.05	7.06	.01 ft/hr
2 nd Test	13:45	7.06	5.05	5.59	.53 ft/hr
3 rd Test	14:45	5.59	3.52	4.26	.87 ft/hr
4 th Test	15:45	4.26	2.30	3.12	.86 ft/hr

Notes: Due to drilling of holes/wells => GW detection was difficult.
 Based on well water in hole, it is possible that
 GW may exist @ depth, but cannot determine until
 infiltration testing is performed.

→ Record WL @ 7:55 on 10/20/22 => 8.85' b70c (no bore)

→ Initial WL on 10/19/22 was recorded w/ a weighted tape measure

Appendix C

Site Wide Infiltration Test Summary Table

Test Location	Infiltration Test Results (in/hr)						Pit Log Summaries (ft below ground surface)			
	1st	2nd	3rd	4th	Average	Design	Total Depth	ESHWT	Bedrock Depth	GW depth
2021 BMP-1	13.68	29.28	23.76	23.88	22.65	11.325	3.2	3	-	-
2021 BMP-2	24	24	24	24	24	12	4	1.16	-	-
2021 BMP-3	24	24	24	24	24	12	4.5	1.5	-	-
2021 BMP-3A	24	24	24	24	24	12	5	1.25	-	-
2021 BMP-4	24	24	24	24	24	12	2.4	1.75	-	-
2021 BMP-5	24	24	24	24	24	12	6.7	1.67	-	-
2021 BMP-6 ALT	24	24	24	24	24	12	2	0.42	-	-
2021 Pond 28 Pit B	6.96	11.52	15.84	16.2	12.63	6.315	8	0.58	8	-
2021 Pond 28 Bore A	24	24	15.6	24.24	21.96	10.98	9.5	-	9.5	-
2021 Pond 28 Bore B	24	24	24	24	24	12	8	-	8	-
2021 Pond 28 Bore C	24	24	24	24	24	12	13	-	-	-
2021 Pond 28 Pit A	24	24	20.64	23.28	22.98	11.49	9.8	1.08	-	-
2021 Pond 3 Pit B	24	24	24	24	24	12	4	2	-	-
2021 Pond 3 Pit A	21.24	22.2	22.44	1.32	16.8	8.4	3.5	0.67	-	-
2021 Pond 7 Pit C	11.04	18.84	20.04	22.32	18.06	9.03	7	2.83	-	-
2021 Pond 7 Pit A	24	24	24	24	24	12	7	2.25	-	-
2021 Pond 7 Pit B	24	24	24	20.52	20.52	10.26	10	12	-	-
2021 Pond 30 Bore A	24	24	24	14.52	14.52	7.26	16	-	-	-
2021 Pond 30 Bore B	19.8	21.84	24	22.92	22.14	11.07	14	-	-	-
2021 Pond 14A Pit A	24	24	24	24	24	12	6	1.25	-	-
2021 Pond 14A Pit B	24	24	24	24	24	12	5.3	0.75	-	-
2021 Pond 14A Pit C	24	24	24	24	24	12	4	0.67	-	-
2021 Pond 15B Pit B	24	24	24	24	24	12	4.3	1.1	-	-
2021 Pond 15B Pit A	24	24	24	24	24	12	5.3	1.4	-	-
2021 Pond 15 B Pit C	24	24	24	24	24	12	5.5	0.67	-	-
2021 Pond 31	1.56	0.12	0.96	0	0	0	8	4.1	-	7.6
2021 Pond 4-B Bore A	0.72	0.6	0	0.06	0.06	0.03	8	-	-	-
2021 Pond 4-B Bore B	0.72	0.36	0.36	0.36	0.36	0.18	13	-	-	-
2021 Pond 4-B Bore C	24	24	24	24	24	12	12	-	-	-
2021 Pond 26 Pit B	24	24	24	24	24	12	4	1.67	4	-
2021 Pond 26 Pit A	23.52	22.68	21.12	19.8	19.8	9.9	5.25	1.67	-	-
2021 Pond 26 Pit C	24	24	24	24	24	12	6.5	1.75	6.5	-
2021 Pond 24 Bore B	9.96	24	21.96	24	19.98	9.99	12	-	12	-
2021 Pond 24 Bore A	6.72	24	24	24	19.68	9.84	12.5	-	-	-
2021 Pond 2-B Pit A	24	24	24	24	24	12	9.1	1.5	-	-
2021 Pond 2-B Pit B	24	24	24	24	24	12	8.25	1.5	-	-
2022 IA Pit A	1.84	24	24	24	18.46	9.23	4.3	2	-	-
2022 IA Pit B	24	24	24	24	24	12	5.4	2	-	-
2022 IA Pit C	22.32	23.4	23.16	23.28	23.04	11.52	5.5	1.75	-	-
2022 IA Pit D	23.4	23.76	23.52	24	23.67	11.835	4.6	1.5	-	-

2022 Pond 5 Pit A	24	24	24	24	24	12	9.3	7.5	-	-
2022 Pond 5 Pit B	24	24	24	24	24	12	4.3	2.7	-	-
2022 Pond 10 Bore A	1.2	2.64	5.4	8.04	4.32	2.16	21.3	3.3	-	-
2022 Pond 19 Pit A	24	24	24	24	24	12	10.3	6.3	-	-
2022 Pond 19 Bore A	0.48	0.72	1.56	1.8	1.14	0.57	13	2.5	-	-
2022 Pond 41 Pit B	23.76	23.52	23.76	24	23.76	11.88	4.5	2.5	-	-
2022 Pond 41 Pit C	24	24	24	24	24	12	5.5	3	-	-
2022 Pond 41 Pit D	23.04	23.64	23.64	23.76	23.52	11.76	5.5	2.6	-	5.3
2022 Pond 41 Pit E	9.72	15.48	19.08	22.2	16.62	8.31	8.7	3.2	-	8.5
2022 Pond 41 Pit F	24	24	24	24	24	12	5	2.5	-	-
2022 Pond 41 Pit A	24	24	24	24	24	12	10.5	5.9	-	-
2022 Pond 42 Pit A	7.2	12.6	15.24	15.6	12.66	6.33	8	3	-	8
2022 Pond 43 Pit A	24	22.32	23.4	23.76	23.76	11.88	10.7	3.3	-	-
2022 Pond 43 Pit B	19.2	21.96	22.56	24	21.93	10.965	9.4	3.3	-	-
2022 Pond 43 Pit C	24	24	24	24	24	12	6	2.5	-	-
2022 Pond 44 Pit B	24	24	24	24	24	12	9	2	-	-
2022 Pond 44 Bore A	22.8	23.76	23.76	23.76	23.52	11.76	11.6	2.5	-	-
2022 Pond 44 Pit C	22.2	23.28	22.92	23.52	22.98	11.49	8.2	4.8	-	-
2022 Pond 44 Pit A	5.76	12.6	24	10.32	10.32	5.16	8.5	2.5	-	-
2022 Pond 44 Bore B	0.12	6.36	8.04	10.32	6.21	3.105	11.4	2.5	-	-
2022 Pond 45 Pit B	24	24	24	24	24	12	5	3	-	-
2022 Pond 45 Pit A	24	24	24	24	24	12	1	-	-	-

Appendix N

BMP Inspection and Maintenance Manual

INSPECTION AND MAINTENANCE (I&M) MANUAL FOR STORMWATER BEST MANAGEMENT PRACTICES

Granite State Landfill

(Name of Project)

Dalton, New Hampshire

(City or Town)

The purpose of the I&M Manual is to assist the responsible parties in inspecting, maintaining and understanding the functions of the stormwater best management practices (BMPs).

Inspection records shall be maintained by the responsibility party(ies) indicated below and made available to the New Hampshire Department of Environmental Services upon request.

Inspections are to be completed on an ANNUAL basis.

Party Responsible for Long Term Reporting, Inspection and Maintenance (After Construction Completion):

Granite State Landfill, LLC

Contact: John Gay

1855 VT Route 100

Hyde Park, VT 05655

(802) 651-5454

John.Gay@casella.com

Insert Name, address, telephone and email.

The BMPS for this project are:

17 Forebays

13 Infiltration Basins

6 Rain Gardens

3 Deep Sump Catch Basins

2 Stormwater Pond

See location map in following pages.

Pond DD1 Inspection Checklist (Forebay, Rain Garden, & Detention Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD1A Inspection Checklist (Forebay & Detention Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD2 Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD3 Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD3A Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD4 Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD5 Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond DD6 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 1 Inspection Checklist (Deep Sump Catch Basin & Stormwater Pond)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Deep Sump Catch Basin			
Sediment in catch basin require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 2 Inspection Checklist (Deep Sump Catch Basin & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Deep Sump Catch Basin			
Sediment in catch basin require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 3 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 4 Inspection Checklist (Deep Sump Catch Basin & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Deep Sump Catch Basin			
Sediment in catch basin require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 5 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 6 Inspection Checklist (Forebay & Rain Garden)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 7 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 8 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 9 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 10 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 11 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 12 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

Pond 13 Inspection Checklist (Forebay & Infiltration Basin)

Inspection/Maintenance Item	Comments	Check if follow up maintenance performed	Maintenance Date
Embankment Mowed?			
Woody vegetation removed from embankments			
Strong Stand of Vegetation (Greater than 85%)?			
Outlet structures free of debris?			
General condition of embankments, inlet and outlet structures.			amount removed: _____
Invasive Species Require Removal?			
Forebay (if applicable)			
Sediment in forebay require removal?			
Recommend install and maintain a staff gage or other measuring device, to indicate • depth of sediment accumulation and level at which clean-out is required?			
Sides stable?			
Other Comments			

INCLUDE A DRAWING CLEARLY IDENTIFYING
THE LOCATION OF THE STORMWATER BMPS