

date 13 SEP 2021

Granite State Landfill

SOIL TEST PIT DESCRIPTION TEST PIT # MC 1

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	7.5YR 2.5/1					
A	0-3"	7.5YR 3/3	No	SFSL	GR	FR	
Bs	3-12"	7.5YR 5/6	No	"	BK	"	
b	12-25"	10YR 5/6	No	"	"	"	
B/C	25-36"	2.5Y 5/6	C F	STLCS	WA	"	
Cd	36-60"	2.5Y 5/2	M P	STLS	WA	FIRM	

Standing: No

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 25"

Depth to Restrictive Horizon: 36"

Depth to Bedrock: No

Soil Series: Sandy boundary

SOIL TEST PIT DESCRIPTION TEST PIT # MC 2

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	7.5YR 2.5/1					
A	0-4"	7.5YR 3/3	No	FSL	GR	FR	
Bs	4-13"	7.5YR 5/6	No	"	BK	"	
B	13-22"	10YR 6/6	No	STSL	"	"	
Cd	22-36"	2.5Y 5/3	C D	"	"	FIRM	
C	36-60"	2.5Y 4/3	M P	"	WA	FR	

Standing: No

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 22"

Depth to Restrictive Horizon: 22"

Depth to Bedrock: No

Soil Series: Sandy

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TEST PIT # MC 3

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	7.5YR 2/2	No				
E	0-5"	7.5YR 5/1	No	SIFS	GR	SR	
Bs	5-11"	7.5YR 4/6	No	"	PK	"	
b	11-25"	10YR 4/6	No	"	"	"	
C	25-34"	2.5Y 5/2	No	SIFS	MG	FR	
R	34"+			bedrock			

Standing: No

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: No
 Depth to Restrictive Horizon: No
 Depth to Bedrock: 34"
 Soil Series: UNBROKEN BROWN

TEST PIT # MC 4

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	7.5YR 2.5/1					
A	0-3"	7.5YR 3/3	No	FSL	GR	SR	
E	3-6"	7.5YR 6/1	No	FSL	MA	FR	
Bs	6-10"	7.5YR 5/6	No	FSL	PK	"	
B	10-25"	10YR 5/6	No	"	"	"	
Cd	25-63"	2.5Y 4/3	CTD	LS	MA	FIRM	

Standing: No

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 25"
 Depth to Restrictive Horizon: 25"
 Depth to Bedrock: No
 Soil Series: BROWN BROWN

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TEST PIT # MC 5

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	2.5YR 2.5/1					
A	0-4"	2.5YR 3/1	FF	SFSL	GR	FR	
B _g	4-12"	2.5YR 6/2	FD	"	UMA	"	
B _{2a}	12-20"	2.5YR 5/3	UMP	"	PK	FR	
C _d	20-40"	2.5YR 5/4	MP	STLS	UMA	FIRM	
			PROPAGULE BOUNDLES - OBSERVATION			DISCONTINUED	

Standing: 36"

Depth to Observed Groundwater (inches): Weeping: 24"

Depth to Seasonal High Water Table: SURFACE

Depth to Restrictive Horizon: 20"

Depth to Bedrock: NONE

Soil Series: Propagule Boundles

TEST PIT # MC 6

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	4"	7.5YR 4/2					
E	0-3"	7.5YR 6/1	No	SFSL	UMA	FR	
b _s	3-10"	7.5YR 4/6	No	SFSL	AK	FR	
b _w	10-23"	10YR 5/6	No	SFSL	BK	FR	
C _d	23-60"	2.5YR 6/3	C D	STLS	UMA	FIRM	

Standing: No

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 28"

Depth to Restrictive Horizon: 23"

Depth to Bedrock: No

Soil Series: Becket stony

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TEST PIT # MC 7

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-4"	7.5YR 6/1	No	SFSL	WA	FR	
B _s	4-11"	7.5YR 4/6	No	"	BK	"	
B _w	11-21"	10YR 4/6	No	SFSL	BK	"	
C _d	21-62"	2.5YR 6/4	CID	STLS	UM _g	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 21"

Depth to Restrictive Horizon: None

Depth to Bedrock: None

Soil Series: Stery Bouldy

TEST PIT # MC 8

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _e	4"	2.5Y 2/2					
E	0-5"	2.5Y 4/1	FF	SFSL	WA	FR	
B _g	5-11"	2.5Y 4/2	CID	"	BK	"	
C _g	11-25"	5.5Y 6/1	CID	"	"	"	
C _g	25-48"	2.5Y 6/3	UM P	STLS	WA	FIRM	
							PROBABLY Boulders - OBSERVATION DISCONTINUED

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 25"

Depth to Restrictive Horizon: None

Depth to Bedrock: 2-48"

Soil Series: Fu-sdy Boulders

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TEST PIT # MC 9

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES	
Oe	3"	7.5YR2.5/1						
A	0-3"	7.5YR2.3/1	No	STFSL	GR	FE		
E	3-6"	7.5YR2.6/1	No	STFSL	UMA	"		
Bs	6-10"	7.5YR2.4/0	No	"	BK	"	SOME CEMENTED PEARLS	
Bw	10-13"	10YR2.5/6	No	"	"	"		
Cd	13-43"	7.5YR4/3	C D	STLS	UMA	FIRM		
			POSSIBLE BEDROCK					

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 18"

Depth to Restrictive Horizon: 18"

Depth to Bedrock: 2-43"

Soil Series: SK588g

TEST PIT # MC 10

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	7.5YR2.5/1					
A	0-6"	10YR2.3/2	No	STFSL	GR	FE	
Bw	6-20"	10YR2.4/6	No	"	PK	"	
Cd1	20-30"	2.5YR4/3	C-D	FSL	UMA	FIRM	
Cd2	30-63"	2.5YR4/3	C D	STLS	"	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 20"

Depth to Bedrock: No

Soil Series: SK588g

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TEST PIT # MC 11

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	2"	7.5YR 2.5/1					
A	0-3"	7.5YR 4/1	No	SFSL	GR	FR	
Bs	3-11"	7.5YR 4/6	No	"	BK	"	
Bw	11-27"	10.5YR 6/6	No	"	"	"	
Cd	27-60"	2.5Y 6/3	CD	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 27"

Depth to Restrictive Horizon: 27"

Depth to Bedrock: No

Soil Series: BACKET COMBERG

TEST PIT # MC 12

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	7.5YR 2.5/1					
E	0-5"	7.5YR 5/1	No	FSL	BK	FR	
Bs	5-10"	7.5YR 4/6	No	FSL	BK	FR	
Bw	10-22"	10.5YR 6/6	No	"	"	"	
Cd	22-44"	2.5Y 6/2	CD	LS	WA	FIRM	
ZC	44-60"	2.5Y 6/6	CF	gdos	SG	Loose	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 27"

Depth to Restrictive Horizon: 27"

Depth to Bedrock: No

Soil Series: SOBBY

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TEST PIT # MC 13

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	7.5YR 2.2/5.1					
A/E	0-5"	7.5YR 4/1	No	SFSL	GR	FR	
B _s	5-20"	7.5YR 5/6	No	"	PKC	"	
B _w	20-30"	10YR 6/6	No	"	BK	FR	
Cd	30-72"	2.5Y 5/3	C D	GLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 30"
 Depth to Restrictive Horizon: 30"
 Depth to Bedrock: No
 Soil Series: PERNET BARRIER

TEST PIT # MC 14

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"						
A	0-4"	10YR 3/3	No	SFSL	GL	FR	
E	4-10"	7.5YR 5/2	No	"	BK	"	
B _s	10-15"	7.5YR 4/6	C D	"	"	"	
B	15-24"	10YR 4/6	C D	"	"	"	
Cd	24-40"	2.5Y 5/3	C P	SLS	WA	FIRM	
Zc	40-64"	5Y 6/1	C D	S	SG	LO	

Standing: 60"

Depth to Observed Groundwater (inches): Weeping: _____
 Depth to Seasonal High Water Table: 10"
 Depth to Restrictive Horizon: 24"
 Depth to Bedrock: No
 Soil Series: CAWEN BARRIER

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TEST PIT # MC 15

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	7.5YR 2.5/1					
A	0-4"	7.5YR 3/3	No	SIFS	GR	FR	
E	4-8"	7.5YR 5/1	No	"	MA	FR	
B _s	8-15"	7.5YR 4/6	No	"	Pk	"	
B _w	15-23"	10.5YR 6/6	No	"	"	"	
R	23"+			BEDROCK			

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: No

Depth to Restrictive Horizon: No

Depth to Bedrock: 23"

Soil Series: TUNBRIDGE BROWN

TEST PIT # MC 16

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
A	0-3"	7.5YR 3/1	No	SIFS	GR	FR	
E	3-7"	7.5YR 5/1	No	"	Pk	FR	
B _s	7-12"	7.5YR 4/6	No	"	"	"	
B _w	12-20"	10.5YR 4/6	No	"	"	"	
C	20-30"	2.5Y 5/4	No	SIFS	MA	FR	
R	30"+			BEDROCK			

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: No

Depth to Restrictive Horizon: No

Depth to Bedrock: 30"

Soil Series: TUNBRIDGE BROWN

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SOIL TEST PIT DESCRIPTION TEST PIT # MC 17

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	5"	7.5YR 2.5/1					
A	0-5"	7.5YR 3/1	do	STFSL	GR	FR	
E	5-12"	7.5YR 5/1	No	"	"	"	
Bs	12-19"	7.5YR 6/6	No	"	BK	"	
Bw	19-24"	10YR 6/6	No	"	"	"	
Cd	24-36"	2.5Y 6/3	None	STLS	UMA	FIRM	
R	36"+						

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: None 24"

Depth to Restrictive Horizon: 36"

Depth to Bedrock: 36"

Soil Series: BOUNDARY MASSAGE VAREMONT

SOIL TEST PIT DESCRIPTION TEST PIT # MC 18

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
	5"	7.5YR 2.5/1					
A	0-6"	7.5YR 3/2	No	STFSL	GR	FR	
Bs	6-10"	7.5YR 4/4	No	"	BK	"	
Bw	10-20"	10YR 4/4	No	"	"	"	
D/C	20-25"	10YR 5/3	C F	"	"	"	
Cd	25-48"	2.5Y 6/2	C D	STLS	MA	FIRM	
R	48"+			POSSIBLE BEDROCK			

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 24"

Depth to Bedrock: 24"

Soil Series: BOUNDARY MASSAGE VAREMONT

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TEST PIT # MC 19

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	4"	7.5YR 2/2	No				
E	0-3"	7.5YR 5/1	No	STPSC	GR	FR	
Bs	3-10"	7.5YR 4/6	No	"	BK	"	
Bw	10-24"	10YR 6/6	No	"	BK	"	
B/C	24-30"	2.5Y 5/4	No	STLS	UMA	FR	
Cd	30-64"	2.5Y 6/2	M P	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 30"

Depth to Restrictive Horizon: 30"

Depth to Bedrock: No

Soil Series: BECKET

SOIL TEST PIT DESCRIPTION TEST PIT # MC 20

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	7.5YR 2/2	No				
E	0-3"	7.5YR 5/1	No	STPSC	GR	FR	
Bs	3-7"	7.5YR 4/6	No	"	BK	"	
Bw	7-29"	10YR 6/6	No	"	"	"	
Cd	29-62"	2.5Y 6/3	C D	STLS	UMA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 29"

Depth to Restrictive Horizon: 29"

Depth to Bedrock: No

Soil Series: BECKET BOUNDARY

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TEST PIT # MC 21

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _e	2"	7.5YR 2.5/1					
E	0-5"	7.5YR 5/1	No	STFSL	GR	FR	
B _s	5-13"	7.5YR 5/6	No	"	BK	"	
B _w	13-30"	10YR 6/6	No	"	BK	"	
C	30-60"	2.5Y 5/2	No	STLS	MA	"	
C _d	60-72"	2.5Y 4/2	C P	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 60"
 Depth to Restrictive Horizon: 60"
 Depth to Bedrock: No
 Soil Series: MONADABOK BOWSERBY

TEST PIT # MC 22

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _e	1"	7.5YR 2.5/1					
A	0-4"	10YR 3/3	No	STFSL	GR	FR	
B _s	4-12"	7.5YR 4/6	No	"	BK	"	
B _w /C	12-15"	10YR 6/6	No	STLS	GR	"	
C _d	15-60"	2.5Y 5/3	C P	"	MA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 15"
 Depth to Restrictive Horizon: 15"
 Depth to Bedrock: No
 Soil Series: SCORBY

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TEST PIT # MC 23

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES	
Oe	3"	7.5YR 2.5/1						
A	0-6	7.5YR 2.5/1	No	STFSL	GR	FR		
E	6-9	7.5YR 6/1	No	"	GR	FR		
Bs	9-17"	7.5YR 4/6	No	"	BK	"		
Bw	17-27"	10.5YR 6/6	No	"	BK	FR		
C	27-48"	2.5Y 6/3	No	STCS	WA	"		
R	48"+		BEDROCK OR BOUNDERS					

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: No

Depth to Restrictive Horizon: No

Depth to Bedrock: 48"

Soil Series: MONMOUTH SANDS

TEST PIT # MC 24

TEST PIT # MC 24

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-3"	7.5YR 7/1	No	FSL	GR	FR	
Bhs	3-7"	5YR 3/4	No	"	BK	"	
Bw	7-24"	7.5YR 6/6	No	"	BK	FR	
Cd	24-36"	2.5Y 6/3	C D	STCS	WA	FIRM	
ZC	36-44"	2.5Y 6/3	U P	S	WA	loose	
Cd2	44-60"	2.5Y 6/3	C D	STCS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 24"

Depth to Restrictive Horizon: 24"

Depth to Bedrock: No

Soil Series: BEVERLY SANDS

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TEST PIT # MC 25

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-3"	7.5YR 6/1	No	FSL	Cell	FR	
Bw	3-22"	10YR 6/6	No	"	BK	"	
C	22-31"	2.5Y 5/3	No	STLS	WA	"	
Cd	31-63"	2.5Y 5/2	EF D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 31"

Depth to Restrictive Horizon: 31"

Depth to Bedrock: _____

Soil Series: BECKET BAINBRIDGE

TEST PIT # MC 26

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-7"	7.5YR 5/1	No	STFS	GR	FR	
Bs	7-10"	7.5YR 4/4	No	"	BK	"	
Bw	10-20"	10YR 6/6	No	"	"	"	
Cd	20-53"	2.5Y 5/3	C D	STLS	WA	FIRM	
			PROPOSED BUNDLES - OBSERVATION DISCONTINUED				

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 20"

Depth to Bedrock: 2.53"

Soil Series: Stacey

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TEST PIT # MC 27

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	7.5YR 2.5/1					
A	0-4"	7.5YR 2.5/1	No	STFSL	GR	FR	
E	4-8"	7.5YR 6/1	No	STFSL	"	"	
Bs	8-14"	7.5YR 4/6	No	"	BK	"	
Bw	14-28"	10YR 6/8	"	"	"	"	
Cd	28-63"	2.5Y 5/3	FD	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 28"

Depth to Restrictive Horizon: 28"

Depth to Bedrock: No

Soil Series: Bowdley BECKET

TEST PIT # MC 28

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-3"	7.5YR 6/1	No	STFSL	GR	FR	
Bs	3-12"	7.5YR 4/6	"	"	BK	"	
Bw	12-20"	10YR 6/8	"	"	"	"	
Cd1	20-45"	2.5Y 5/3	CD	STLS	WA	FIRM	
Cd2	45-60"	2.5Y 4/3	MD	STLCS	WA	"	COMPARED?

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 20"

Depth to Bedrock: No

Soil Series: Bowdley

date 20 SEP 2021

Granite State Landfill

SOIL TEST PIT DESCRIPTION TEST PIT # MC 29

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
A/E	0-11"	7.5YR 4/2	No	STFSL	GR	FR	
Bhs	11-14"	5YR 4/3	No	"	Bk	FR	SOME COMPACTED LAYS
Bw	14-30"	10YR 6/6	No	"	"	"	
Cd	30-70"	2.5Y 5/3	C D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water table: 30"
 Depth to Restrictive Horizon: 30"
 Depth to Bedrock: No
 Soil Series: BECKET BOUNDARY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 30

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	1"	10YR 2/1					
A	0-18"	10YR 3/3	No	STFSL	GR	FR	BEGRADED
Ab	18-24"	7.5YR 2.5/1	"	"	"	"	
Bs	24-30"	7.5YR 6/6	"	"	Bk	"	
Bw	30-40"	10YR 6/6	"	"	"	"	
C	40-46"	2.5Y 5/4	"	gs	SG	LOOSE	
Cd	46-60"	2.5Y 5/3	C D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water table: 46"
 Depth to Restrictive Horizon: 46"
 Depth to Bedrock: No
 Soil Series: BECKET BECKET

date 20 SEP 2021

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TEST PIT # MC 31

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	10YR 2/1					
A	0-6"	10YR 3/3	No	STFSL	GR	FR	
B _s	6-18"	7.5YR 4/6	"	"	Bk	"	
B _w	18-36"	10YR 6/6	"	"	"	"	
C	36-54"	2.5Y 6/3	"	STLS	UMA	FR	
Cd	54-84"	2.5Y 5/3	C D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 54"

Depth to Restrictive Horizon: _____

Depth to Bedrock: _____

Soil Series: BECKET BAWSEB

TEST PIT # MC ~~31~~ 32

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2/2					
E	0-5"	7.5YR 5/2	No	STFSL	GR	FR	
B _s	5-12"	7.5YR 4/6	"	"	Bk	"	
B _w	12-30"	10YR 6/6	"	"	"	"	
C	30-45"	2.5Y 6/3	"	STLS	UMA	"	
Cd	45-84"	2.5Y 4/4	C F	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 45"

Depth to Restrictive Horizon: _____

Depth to Bedrock: 45"

Soil Series: BECKET BAWSEB

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TEST PIT # MC 33

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	2"	10YR 2/2					
A/E	0-6"	10YR 2-4/2	No	SFSL	GR	FR	
Bs	6-20"	7.5YR 4/6	"	"	BK	"	
Cd	20-32"	10YR 4/4	C D	GLS	WA	FIRM	
Cd2	32-60"	2.5Y 4/4	C D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 20"

Depth to Bedrock: _____

Soil Series: Sloley Bawdys

TEST PIT # MC 34

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	1"	10YR 2/2					
A	0-6"	10YR 3/3	No	SFSL	GR	FR	
Bh	6-10"	7.5YR 4/6	"	"	BK	"	
Bw	10-20"	10YR 5/4	"	"	"	"	
Cd	20-72"	2.5Y 6/3	C F	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 20"

Depth to Restrictive Horizon: 20"

Depth to Bedrock: _____

Soil Series: Sloley Bawdys

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SOIL TEST PIT DESCRIPTION TEST PIT # MC 35

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	10YR 2/2					
A	0-4"	10YR 2.5/3	No	STFSL	GR	FR	
E	4-8"	7.5YR 5/2	No	"	"	"	
Bs	8-12"	7.5YR 4/6	"	"	BK	"	
Bw	12-30"	10YR 6/2	"	"	"	"	
Cd	30-60"	2.5Y 5/3	CD	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 30"
 Depth to Restrictive Horizon: 30"
 Depth to Bedrock: No
 Soil Series: BACKET COURSELY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 36

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	10YR 2/2					
C	0-24"	10YR 2.5/4	No	STFSL	WA	FR	DEGRADED
Ab	24-26"	7.5YR 2/2	"	"	GR	"	
E	26-28"	7.5YR 2.6/2	"	"	"	"	
Bs	28-32"	7.5YR 4/6	"	"	BK	"	
Bw	32-40"	10YR 6/3	"	"	"	"	
Cd	40-60"	2.5Y 6/4	F D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 40"
 Depth to Restrictive Horizon: 45"
 Depth to Bedrock: No
 Soil Series: BURIED SLIPBY

date 20 SEP 2021

Granite State Landfill

TEST PIT # MC 37

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	7.5YR 2.5/1					
A	0-4"	7.5YR 2/2	No	SFSL	GR	FR	
Bs	4-13"	7.5YR 4/6	"	"	BK	FR	
Bw	13-30"	10.5R 6/8	"	"	"	"	
Cd	30-60"	2.5Y 6/3	C D	STLS	WA	FIRM	
R	60"+		POSSIBLE BEDROCK OR BOUNDARY				

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 33"

Depth to Restrictive Horizon: 33"

Depth to Bedrock: 60"

Soil Series: BECKET BOUNDARY

TEST PIT # MC 38

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	10.5R 2/2					
A/E	0-3"	10.5R 4/2	No	SFSL	GR	FR	
Bs	3-13"	7.5YR 4/6	No	"	BK	"	
Bw	13-31"	10.5R 6/8	"	"	"	"	
Cd	31-60"	2.5Y 5/3	C F	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 31"

Depth to Restrictive Horizon: 31"

Depth to Bedrock: No

Soil Series: BECKET BOUNDARY

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Granite State Landfill

SOIL TEST PIT DESCRIPTION TEST PIT # MC 39

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	1"	10YR 2/1					
A	0-7"	10YR 3/2	No	SIFS	GR	FR	
B _s	7-16"	7.5YR 5/6	"	"	BK	"	
B _w	16-30"	10YR 6/6	"	"	"	"	
Cd	30-48"	2.5Y 6/3	C 15	SILS	MA	FIRM	
R	48"+		POSSIBLE BEDROCK				

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 30"

Depth to Restrictive Horizon: _____

Depth to Bedrock: 48"

Soil Series: BECKET BOUNDARY VARIANT

SOIL TEST PIT DESCRIPTION TEST PIT # MC 40

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SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	10YR 2/2					
A	0-4"	10YR 3/3	No	SIFS	GR	FR	
B _s	4-9"	7.5YR 4/6	"	"	BK	FR	
B _w /C	9-16"	2.5Y 4/4	C P	"	"	"	
Cd	16-62"	2.5Y 5/3	M P	SILS	MA	FIRM	
R	62"+		POSSIBLE BEDROCK				

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 9"

Depth to Restrictive Horizon: _____

Depth to Bedrock: 62"

Soil Series: COLONEL BOUNDARY

date 21 SEP 2021

Granite State Landfill

SOIL TEST PIT DESCRIPTION : TEST PIT # MC 41

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
A	0-4"	7.5YR2.5/1	No	SFSL	GR	FE	
E	4-8"	7.5YR2.5/2	"	"	"	"	
B _s	8-16"	7.5YR2.5/6	No	"	BK	"	
B _w	16-30"	10YR2.5/6	"	"	"	"	
C	30-34"	2.5Y 6/4	"	GLS	UMA	FR	
Cd	34-50"	2.5Y 5/3	C D	SLS	WA	FIRM	
C2	50-66"	2.5Y 4/4	C P	GLCOS	UMA	FRAILE	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water table: 24"
 Depth to Restrictive Horizon: 24"
 Depth to Bedrock: No
 Soil Series: PERNET SANDS

SOIL TEST PIT DESCRIPTION : TEST PIT # MC 42

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
A	0-14"	10YR2.5/3	No	SFSL	GR	FE	DEGRADED
A _s	14-16"	7.5YR2.5/1	"	"	"	"	
B _s	16-19"	7.5YR2.5/6	"	"	BK	"	
B _w	19-29"	10YR2.5/4	C D	"	"	"	
B _{WZ}	29-37"	2.5Y 4/4	C D	"	"	"	
C	37-48"	2.5Y 5/3	C D	GLCOS	UMA	FR	
Cd	48-60"	2.5Y 5/4	C D	SLS	UMA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: 55"
 Depth to Seasonal High Water table: 11"
 Depth to Restrictive Horizon: 46"
 Depth to Bedrock: No
 Soil Series: BURDET COLONEL

date 21 SEP 2021

Granite State Landfill

TEST PIT # MC 43

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	2.5YR 2.5/1					
A	0-6"	10YR 2/3	No	STFSL	GR	FR	
B _s	6-16"	7.5YR 6/6	No	"	PK	"	
B _w	16-34"	10YR 6/8	"	"	"	"	
C _d	34-72"	2.5Y 5/4	CD	STZS	UMA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 34"

Depth to Restrictive Horizon: 34"

Depth to Bedrock: No

Soil Series: BECKET BOUNDARY

TEST PIT # MC 44

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	1"	2.5Y 2.5/1					
A	0-11"	2.5Y 3/1	No	STFSL	GR	FR	
A ₂	11-20"	10YR 2/2	C F	"	GR	FR	
B _g	20-22"	2.5Y 4/1	C D	"	PK	"	
C _d	22-44"	2.5Y 4/4	C D	STZS	UMA	FIRM	
C	44-60"	2.5Y 4/2	C D	STZGSS	UMA	FR	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: 36"

Depth to Seasonal High Water Table: 11"

Depth to Restrictive Horizon: 27"

Depth to Bedrock: No

Soil Series: COLWEL BOUNDARY

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TEST PIT # MC 45

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	2.5YR 2/2					
A	0-3"	10YR 3/3	No	STFSL	GR	FR	
B _s	3-12"	7.5YR 6/6	"	"	PLK	"	
B _w	12-30"	10YR 6/6	"	"	"	"	
C	30-40"	2.5Y 6/4	"	GLS	WA	FR	
Cd	40-84"	2.5Y 5/3	C D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water table: 48"
 Depth to Restrictive Horizon: 40"
 Depth to Bedrock: NO
 Soil Series: BECKET BOUNDARY

TEST PIT # MC 46

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
E	0-6"	7.5YR 6/2	No	STFSL	GR	FR	
B _h s	6-11"	7.5YR 4/4	"	"	PLK	FR	SOME CEMENTED PEDS
B _s	11-15"	7.5YR 6/6	"	"	"	"	
B _w	15-33"	10YR 6/6	"	"	"	"	
Cd	33-78"	2.5Y 6/3	C D	STLS	WA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water table: 33"
 Depth to Restrictive Horizon: 33"
 Depth to Bedrock: NO
 Soil Series: BECKET BOUNDARY

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TEST PIT # MC 47

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	7.5YR 2.5/1					
A	0-3"	10YR 2/1	No	SFSL	GR	FR	
F	3-6"	7.5YR 6/1	"	"	"	"	
Bs	6-14"	7.5YR 4/6	"	"	BK	"	
Bw	14-22"	10YR 6/6	"	"	"	"	
Bw2	22-36"	10YR 6/6	"	STLS	WA	FR	
Cd	36-72"	2.5Y 5/3	C/D	STLS	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 36"

Depth to Restrictive Horizon: 36"

Depth to Bedrock: No

Soil Series: BECKET

SOIL TEST PIT DESCRIPTION TEST PIT # MC 48

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	5"	7.5YR 2.5/1					
E	0-2"	7.5YR 6/2	No	SFSL	GR	FR	
Bhs	2-5"	7.5YR 4/4	"	"	BK	"	
Bs	5-15"	7.5YR 6/6	"	"	"	"	
Bw	15-27"	10YR 6/6	"	"	"	"	
C	27-38"	10YR 6/4	"	STLS	WA	"	
Cd	38-62"	2.5Y 4/4	C/D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 38"

Depth to Restrictive Horizon: 38"

Depth to Bedrock: No

Soil Series: BECKET

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TEST PIT # MC 49

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR2.5/1					
A	0-3"	7.5YR2/2	Nb	SFSL	GR	FR	
Bs	3-12"	7.5YR4/6	"	"	BK	"	
Bw	12-22"	7.5YR5/6	"	"	"	"	
B/C	22-32"	10YR6/6	C F	STLS	WA	"	
Cd	32-60"	2.5Y6/3	C D	STLS	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 22"
 Depth to Restrictive Horizon: 22" 32"
 Depth to Bedrock: 32" 40"
 Soil Series: SY5003

TEST PIT # MC 50

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	5"	7.5YR2.5/1					
E	0-3"	7.5YR6/1	Nb	SFSL	GR	FR	
Bs	3-12"	7.5YR4/6	Nb	"	BK	"	
Bw	12-20"	7.5YR6/6	"	"	"	"	
Bw2	20-26"	2.5Y6/6	C D	"	"	"	
C	26-63"	2.5Y5/3	C D	STLS	WA	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No
 Depth to Seasonal High Water Table: 20"
 Depth to Restrictive Horizon: No
 Depth to Bedrock: NA
 Soil Series: WAMBEK BANSLEY

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SOIL TEST PIT DESCRIPTION TEST PIT # MC 51

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR2.5/1					
A	0-5"	7.5YR2/2	No	SIFSU	GR	GR	
Bs	5-9"	7.5YR4/6	"	"	BK	"	
Bw	9-21"	10YR6/6	"	"	"	"	
Cd1	21-30"	10YR6/3	CD	SZS	MA	FIRM	
Cd2	30-60"	2.5Y5/3	CD	"	"	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 21"

Depth to Restrictive Horizon: 21"

Depth to Bedrock: _____

Soil Series: SKELLY BANSELY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 52

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR2.5/1					
A	0-8"	10YR2/2	No	SIFSU	GR	GR	
Bs	8-16"	7.5YR4/6	"	"	BK	"	
Bw	16-22"	10YR6/6	"	"	"	"	
Cd	22-63"	2.5Y6/3	CD	SZS	MA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 22"

Depth to Restrictive Horizon: 22"

Depth to Bedrock: _____

Soil Series: SKELLY BANSELY

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TEST PIT # MC 53

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	10YR 2/1					
Bs	0-8"	7.5YR 6/6	no	STPSL	BK	FR	
Bw	8-26"	10YR 6/6	"	"	"	"	
Cd	26-66"	2.5Y 6/2	C D	SILS	UMA	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: no

Depth to Seasonal High Watertable: 26"

Depth to Restrictive Horizon: 26"

Depth to Bedrock: no

Soil Series: BECKET BOUNDARY

TEST PIT # MC 54

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
A/E	0-3"	7.5YR 4/2	no	STPSL	GR	FR	
Bs	3-11"	7.5YR 4/6	"	"	BK	"	
Bw	11-18"	10YR 6/6	"	"	"	"	
B/C	18-27"	10YR 6/4	"	SILS	UMA	"	
Cd	27-72"	2.5Y 6/4	C D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: no

Depth to Seasonal High Watertable: 27"

Depth to Restrictive Horizon: no

Depth to Bedrock: no

Soil Series: BECKET BOUNDARY

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	10YR 2/1					
A	0-5"	10YR 3/3	No	STFSL	GR	FR	
Bh	5-12"	7.5YR 4/6	No	"	BK	"	
Bw	12-20"	10YR 5/4	No	"	"	"	
B/C	20-23"	2.5Y 5/3	"	STLS	WA	FR	
Cd	23-60"	2.5Y 5/2	C F	"	"	FIRM	

Depth to Observed Groundwater (inches): Weeping: No Standing: _____
 Depth to Seasonal High Watertable: 28"
 Depth to Restrictive Horizon: 28"
 Depth to Bedrock: No
 Soil Series: PERNET BOUNSELY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 56

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2.5/1					
A	0-3"	7.5YR 3/2	No	STFSL	GR	FR	
F	3-6"	7.5YR 6/1	No	"	"	"	
Bs	6-20"	7.5YR 5/6	"	"	BK	"	
B	20-30"	10YR 5/6	"	"	"	"	
C	30-36"	2.5Y 6/3	"	STLS	WA	FR	
R	36"+			BEDROCK			

Depth to Observed Groundwater (inches): Weeping: No Standing: _____
 Depth to Seasonal High Watertable: No
 Depth to Restrictive Horizon: 36"
 Depth to Bedrock: 36"
 Soil Series: UNBLESSIE BOUNSELY

date 27 SEP 2021

Granite State Landfill

TEST PIT # MC57

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	2"	10YR 2/2					
A	0-3"	10YR 4/4	C 12	FSL	GR	FR	
E	3-7"	10YR 5/2	C P	"	"	"	
Bw1	7-16"	10YR 4/6	C D	"	BK	"	
Bw2	16-24"	2.5Y 5/4	C D	"	"	"	
C	24-60"	2.5Y 5/2	C P	LFS	UMA	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: SURFACE

Depth to Restrictive Horizon: No

Depth to Bedrock: No

Soil Series: CHANDLER VARIANT

SOIL TEST PIT DESCRIPTION TEST PIT # MC58

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR 2/2					
F	0-3"	7.5YR 5/2	Nb	FSL	GR	FR	
Bhs	3-7"	7.5YR 4/4	"	"	BK	"	
Bs	7-12"	7.5YR 5/6	"	"	"	"	
Bws	12-18"	2.5Y 5/4	C P	"	"	"	
Bw2	18-25"	7.5YR 5/6	C F	LS	"	"	
C	25-60"	2.5Y 6/3	M D	LS	UMA	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 12"

Depth to Restrictive Horizon: No

Depth to Bedrock: No

Soil Series: CHANDLER VARIANT

date 27 SEP 2021

Granite State Landfill

TEST PIT # MC 59

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	4"	7.5YR2/2					
E	0-3"	7.5YR5/2	No	SIFS	GR	FR	
Bhs	3-9"	7.5YR4/4	"	"	BK	"	
Bx	9-16"	7.5YR4/6	"	"	"	"	
Bw	16-24"	10YR2G/6	"	"	"	"	
C	24-60"	2.5Y6/4	"	SIFS	WA	FR	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: No

Depth to Restrictive Horizon: No

Depth to Bedrock: No

Soil Series: MONMOUTH BOUNDARY

TEST PIT # MC 60

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	1"	7.5YR2/2					
Bs	0-8"	7.5YR6/6	No	SIFS	BK	FR	
Bw	8-21"	10YR5/6	No	"	"	"	
Cd	21-38"	2.5Y5/3	M D	"	WA	FIRM	
R	38"+			BEDROCK			

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth to Seasonal High Water Table: 21"

Depth to Restrictive Horizon: 21"

Depth to Bedrock: 38"

Soil Series: UNDEVELOPED VAREAN

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	7.5YR 2/2					
E	0-3"	7.5YR 4/2	No	STFSL	GR	FR	
Eh1s	3-6"	7.5YR 4/4	"	"	BK	"	
Es	6-14"	7.5YR 6/6	"	"	"	"	
Bw	14-25"	10YR 4/4	C D	"	"	"	
C	25-60"	2.5Y 6/2	M P	STLS	WA	"	

Depth to Observed Groundwater (inches): Weeping: 40" Standing: _____
 Depth to Seasonal High Water Table: 14"
 Depth to Restrictive Horizon: No
 Depth to Bedrock: No
 Soil Series: COLONEL VALENT BAWDELY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 62

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	3"	7.5YR 2/2					
A	0-3"	7.5YR 3/2	No	STFSL	GR	FR	
E	3-7"	7.5YR 5/2	"	"	"	"	
Es	7-14"	7.5YR 4/6	"	"	BK	"	
Bw	14-18"	10YR 5/4	C D	"	"	"	
Cd	18-40"	2.5Y 6/3	C D	STLS	WA	FIRM	
C	40-60"	"	"	"	"	FLEXIBLE	

Depth to Observed Groundwater (inches): Weeping: No Standing: _____
 Depth to Seasonal High Water Table: 14"
 Depth to Restrictive Horizon: No
 Depth to Bedrock: 18"
 Soil Series: Bawdely Colons

date 27 SEP 2021

Granite State Landfill

TEST PIT # MC 63

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR2/2					
F	0-3"	7.5YR5/2	No	STFSL	GR	FR	
Bhs	3-6"	7.5YR4/4	"	"	Pk	"	
Bhs	6-10"	7.5YR5/6	"	"	"	"	
Bw1	10-28"	2.5Y5/4	C D	"	"	"	
Bw2	20-44"	7.5YR4/6	C D	"	"	"	
C	44-60	2.5Y5/3	M D	STLS	WA	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: SB

Depth to Seasonal High Water Table: 10"

Depth to Restrictive Horizon: NO

Depth to Bedrock: NO

Soil Series: COLONEL VARGANT

TEST PIT # MC 64

23 SEP 2021

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
Oe	3"	7.5YR2/2					
F	0-7"	7.5YR5/2	No	STFSL	GR	FR	
Bs1	7-14"	7.5YR4/6	"	"	Pk	"	
Bs2	14-24"	7.5YR 6/6 6/6	"	"	"	"	
C	24-64"	2.5Y 6/3	"	STLS	WA	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: NO

Depth to Seasonal High Water Table: NO

Depth to Restrictive Horizon: NO

Depth to Bedrock: NO

Soil Series: MONADNICK BOUNDARY

date 28 SEP 2021

Granite State Landfill

TEST PIT # MC 65

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	4"	7.5YR2/2					
A	0-4"	7.5YR3/2	No	STFSL	GR	FR	
E	4-6"	7.5YR6/2	"	"	"	"	
Bhs	10-14"	7.5YR4/4	"	"	BK	"	SOME GMENTED PESS
Bs	14-22"	7.5YR6/6	"	"	"	"	
B	22-32"	10YR6/6	"	STRS	MA	"	
Cd	32-60"	2.5Y6/3	C D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth To Seasonal High Water Table: 32"

Depth To Restrictive Horizon: 32"

Depth To Bedrock: No

Soil Series: BOUNDARY BECKET

TEST PIT # MC 60

SOIL TEST PIT DESCRIPTION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
De	5"	7.5YR2/2					
A	0-3"	7.5YR3/2	No	STFSL	GR	FR	
E	3-7"	7.5YR6/2	"	"	"	"	
Bhs	7-12"	7.5YR4/4	"	"	PK	"	
Bs	12-20"	7.5YR6/6	"	"	"	"	
C	20-44"	10YR5/6	"	STRS	MA	"	
Cd	44-54"	2.5Y6/3	C D	"	"	FIRM	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: No

Depth To Seasonal High Water Table: 44"

Depth To Restrictive Horizon: 44"

Depth To Bedrock: 54"

Soil Series: BECKET VARIANT

date 8 Oct 2021

Granite State Landfill
Hand dug observation

SOIL TEST PIT DESCRIPTION TEST PIT # MC 67

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _i	1"	10YR2/2					
O _e	6-7"	"		Stony Peat	WA	FL	
O _a	7-10"	2.5Y 3/1		Stony Muck	"	"	
B _{g1}	10-16"	2.5Y 4/1	C D	ST FSL	"	"	
B _{g2}	16-20"	2.5Y 5/1	C P	"	"	"	
C ₁	20-30"	5Y 5/3	C T ₃	"	"	FIRM	
Observation discontinued							

Standing: _____

Depth to Observed Groundwater (inches): Weeping: 2"

Depth to Seasonal High Water Table: SURFACE

Depth to Restrictive Horizon: 20"

Depth to Bedrock: UNKNOWN

Soil Series: PEACHTAM BOUNDARY

SOIL TEST PIT DESCRIPTION TEST PIT # MC 68

Hand dug observation

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _i	1"	10YR 2/2					
O _e	6-10"	10YR 3/3		Peaty	WA	FL	
O _{a1}	10-20"	2.5Y 3/1		Mucky	WA	"	
O _{a2}	20-32"	7.5YR 2.5/1		"	"	"	
C ₁	32-40"	7.5YR 3/2		Mucky FSL	"	"	
C ₂	40-45"	10YR 3/3		"	"	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: 0"

Depth to Seasonal High Water Table: SURFACE

Depth to Restrictive Horizon: NP

Depth to Bedrock: NO

Soil Series: OSSTPEE

date 8 OCT 2021

Granite State Landfill

TEST PIT # MC 69

HAND DUG OBSERVATION

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES
O _i	0-10"	7.5YR 2.5/2		Peaty	WA	FR	
O _e	10-15"	10YR 2/1		Mucky	WA	"	
C	15-17"	10YR 4/1		Mucky LS	"	"	
O _e	17-26"	10YR 2/1		Mucky	"	"	
O _a	26-44"	10YR 3/1		"	"	"	

Standing: _____

Depth to Observed Groundwater (inches): Weeping: 12"

Depth to Seasonal High Water Table: SURFACE

Depth to Restrictive Horizon: NO

Depth to Bedrock: NO

Soil Series: MEADOWSAGE

TEST PIT # MC

SOIL HORIZON	DEPTH (inches)	MATRIX COLOR (moist)	REDOXIMORPHIC FEATURES	SOIL TEXTURE (USDA)	STRUCTURE	CONSISTENCE	OTHER FEATURES

Standing: _____

Depth to Observed Groundwater (inches): Weeping: _____

Depth to Seasonal High Water Table: _____

Depth to Restrictive Horizon: _____

Depth to Bedrock: _____

Soil Series: _____

Client: **Casella**
 Site: **GSL**
 Date: **May 2022**

Test Pit: MC70

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
A	0-7	10YR 3/4	No	ByFSL	Gr	Fr	
Bw	7-24	10YR 5/6	No	ByFSL	Bk	Fr	
Cd	24-60	2.5Y 5/3	No	ByFSL	MA	Firm	

Observed water: No
 Seasonal high water table: No
 Restrictive horizon: 24
 Bedrock: No
 Soil series: Becket

Test Pit: MC71

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	3						
Bw1	0-5	7.5YR 4/4	No	ByFSL	GR	Fr	
Bw2	5-26	10YR 5/6	No	ByFSL	Bk	Fr	
C	26-36	2.5Y 5/4	No	GrS	SG	Lo	
Cd	36-62	5Y 5/2	Yes	ByLS	Ma	Firm	

Observed water: No
 Seasonal high water table: 36
 Restrictive horizon: 36
 Bedrock: No
 Soil series: Skerry

Test Pit: MC72

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	2						
A	0-7	7.5YR 2/2	No	StFSL	Gr	Fr	
Bs	7-15	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	15-24	10YR 5/6	No	StFSL	Bk	Fr	
R	24+			Bedrock			

Observed water: No
 Seasonal high water table: No
 Restrictive horizon: No
 Bedrock: 24
 Soil series: Tunbridge

Test Pit: MC73

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	4						
A	0-6	7.5YR 2/1	No	StFSL	Gr	Fr	
Bh	6-12	7.5YR 4/4	No	StFSL	Bk	Fr	
Bw	12-20	2.5Y 6/4	C & D	StFSL	Ma	Fr	
Cd	20-40	2.5Y 6/3	C & P	StLS	Ma	Firm	
C	40-72	5Y 4/2	C & D	StLCOS	Ma	Fr	

Observed water: 24
 Seasonal high water table: 12
 Restrictive horizon: 20
 Bedrock: No
 Soil series: Colonel

Test Pit: MC74

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	3						
A	0-3	7.5YR 2/1	No	StFSL	Gr	Fr	
E	3-8	10YR 4/2	No	StFSL	Bk	Fr	
Bs	8-20	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	20-28	10YR 5/6	No	StLS	Ma	Fr	

R 28+ Bedrock
 Observed water: No
 Seasonal high water table: No
 Restrictive horizon: No
 Bedrock: 28
 Soil series: Tunbridge

Test Pit: MC75
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 2
 A 0-5 10YR 3/3 No StFSL Gr Fr
 Bh 5-15 7.5YR 4/4 No StFSL Bk Fr
 Bw2 15-24 10YR 5/6 No StFSL Bk Fr
 Cd 24-48 2.5Y 4/3 C & D StLS Ma Firm
 R 48+ Bedrock
 Observed water: No
 Seasonal high water table: 24
 Restrictive horizon: 24
 Bedrock: 48
 Soil series: Skerry variant

Test Pit: MC76
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 2
 A 0-6 10YR 3/3 No StFSL Gr Fr
 Bs 6-18 7.5YR 4/6 No StFSL Bk Fr
 Bw 18-32 10YR 5/6 No StFSL Bk Fr
 Cd 32-76 2.5Y 4/2 C & D StLS MA Firm Redox limited to upper part
 Observed water: No
 Seasonal high water table: 32
 Restrictive horizon: 32
 Bedrock: No
 Soil series: Becket

Test Pit: MC77
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 1
 A 0-5 10YR 3/3 No StFSL Gr Fr
 Bh 5-16 7.5YR 4/4 No StFSL Bk Fr
 Bw 16-22 10YR 6/6 No StFSL Bk Fr
 Cd1 22-40 2.5Y 4/2 C & D StFSL Ma Firm
 Cd2 40-64 2.5Y 5/2 No StLS MA Firm
 Observed water: No
 Seasonal high water table: 22
 Restrictive horizon: 22
 Bedrock: No
 Soil series: Skerry

Test Pit: MC78
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 1
 A 0-8 10YR 3/2 No StFSL Gr Fr
 Bs 8-16 7.5YR 4/6 No StFSL Bk Fr
 Bw 16-25 10YR 5/6 No StFSL Bk Fr
 Cd 25-72 2.5Y 5/3 C & D StLS MA Firm Redox limited to upper part
 Observed water: No
 Seasonal high water table: 25
 Restrictive horizon: 25
 Bedrock: No
 Soil series: Becket

Test Pit: MC79

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	2						
A	0-4	10YR 3/3	No	StFSL	Gr	Fr	
Bw	4-16	10YR 4/6	No	StFSL	Bk	Fr	
Bw2	16-30	10YR 5/4	No	StFSL	Bk	Fr	
Cd	30-60	2.5Y 4/2	C & D	StLS	MA	Firm	Redox limited to upper part
Observed water:	No						
Seasonal high water table:	30						
Restrictive horizon:	30						
Bedrock:	No						
Soil series:	Becket						

Test Pit: MC80

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	3						
E	0-4	7.5YR 4/2	No	StFSL	Gr	Fr	
Bs	4-14	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	14-26	10YR 5/6	No	StFSL	Bk	Fr	
Cd	26-66	2.5Y 5/2	C & D	StLS	MA	Firm	Redox limited to upper part
Observed water:	No						
Seasonal high water table:	26						
Restrictive horizon:	26						
Bedrock:	No						
Soil series:	Becket						

Test Pit: MC81

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	1						
A	0-6	10YR 3/3	No	StFSL	Gr	Fr	
Bs	6-16	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	16-24	10YR 5/6	No	StFSL	Bk	Fr	
Cd	24-64	2.5Y 5/3	No	StLFS	MA	Firm	
Observed water:	No						
Seasonal high water table:	No						
Restrictive horizon:	24						
Bedrock:	No						
Soil series:	Becket						

Test Pit: MC82

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	1						
A	0-6	10YR 3/3	No	StFSL	Gr	Fr	
Bw	6-22	10YR 5/6	No	StFSL	Bk	Fr	
Cd	22-60	2.5Y 6/3	No	StFSL	MA	Firm	
Observed water:	No						
Seasonal high water table:	No						
Restrictive horizon:	22						
Bedrock:	No						
Soil series:	Marlow						

Test Pit: MC83

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	1						
A	0-5	10YR 3/3	No	StFSL	Gr	Fr	
Bw1	5-18	10YR 5/6	No	StFSL	Bk	Fr	
Bw2	18-30	10YR 6/6	No	StFSL	Bk	Fr	
Cd	30-44	2.5Y 6/3	No	StFSL	MA	Firm	
R	44+			Bedrock			
Observed water:	No						
Seasonal high water table:	No						
Restrictive horizon:	30						

Bedrock: 44
Soil series: Marlow variant

Test Pit: MC84
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
Leaf litter 1
E 0-3 7.5YR 4/2 No ByFSL Gr Fr
Bs 3-8 7.5YR 4/6 No ByFSL Bk Fr
Bw 8-25 10YR 5/6 No ByFSL Bk Fr
Cd 25-64 2.5Y 5/3 No ByFSL MA Firm
Observed water: No
Seasonal high water table: No
Restrictive horizon: 25
Bedrock: No
Soil series: Marlow

Test Pit: MC85
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
Leaf litter 3
E 0-7 7.5YR 4/2 No StFSL Bk Fr
Bs 7-14 7.5YR 4/6 No StFSL Bk Fr
Bw 14-24 10YR 6/6 No StFSL Bk Fr
R 24+ Bedrock
Observed water: No
Seasonal high water table: No
Restrictive horizon: No
Bedrock: 24
Soil series: Tunbridge

Test Pit: MC86
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
Leaf litter 3
A 0-6 10YR 3/3 No StFSL Gr Fr
Bw1 6-16 10YR 6/6 No StFSL Bk Fr
Bw2 16-21 2.5Y 4/4 C & D StFSL Bk Fr
C 21-32 2.5Y 4/2 C & D FS Ma Lo
Cd 32-62 2.5Y 4/3 C & D StLS Ma Firm
Observed water: 30
Seasonal high water table: 16
Restrictive horizon: 32
Bedrock: No
Soil series: Skerry

Test Pit: MC87
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
Leaf litter 3
A 0-8 7.5YR 2/2 No StFSL Gr Fr
Bh 8-18 7.5YR 4/4 No StFSL Bk Fr
Cd 18-40 2.5Y 6/3 C & D StLS Ma Firm
C 40-66 2.5Y 4/3 C & D StLS Ma Fr
Observed water: 18
Seasonal high water table: 18
Restrictive horizon: 18
Bedrock: No
Soil series: Skerry variant

Test Pit: MC88
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
Leaf litter 3
A 0-5 7.5Yr 2/1 No StFSL Gr Fr
Bs 5-10 7.5YR 4/6 No StFSL Bk Fr
Bw 10-27 10YR 4/6 No StFSL Bk Fr

Cd 27-50 2.5Y 5/2 C & D StLS MA Firm Redox limited to upper part
 C 50-62 2.5Y 4/2 No StLS MA Fr
 Observed water: No
 Seasonal high water table: 27
 Restrictive horizon: 27
 Bedrock: No
 Soil series: Becket variant

Test Pit: MC89
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 3
 A 0-5 7.5YR 3/2 No StFSL Gr Fr
 Bh 5-10 7.5YR 4/4 No StFSL Bk Fr
 Bw 10-20 10YR 5/4 C & D StFSL Bk Fr
 Cd 20-60 2.5Y 4/4 C & P StLS Ma Firm
 Observed water: 15
 Seasonal high water table: 10
 Restrictive horizon: 20
 Bedrock: No
 Soil series: Colonel

Test Pit: MC90
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 2
 E 0-3 7.5YR 5/2 No StFSL Gr Fr
 Bs 3-10 7.5YR 4/6 No StFSL Bk Fr
 Bw 10-30 10YR 6/6 No StFSL Bk Fr
 Cd 30-54 2.5Y 4/4 No StLS MA Firm
 Observed water: No
 Seasonal high water table: No
 Restrictive horizon: 30
 Bedrock: No
 Soil series: Becket

Test Pit: MC91
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 3
 A 0-4 7.5YR 2.5/1 No StFSL Gr Fr
 E 4-8 7.5YR 4/1 No StFSL Bk Fr
 Bh 8-12 7.5YR 4/4 No StFSL Bk Fr
 Bw 12-30 10YR 6/6 No StFSL Bk Fr
 Cd 30-68 2.5Y 4/4 No StLS MA Firm
 Observed water: No
 Seasonal high water table: No
 Restrictive horizon: 30
 Bedrock: No
 Soil series: Becket

Test Pit: MC92
Soil Horizon Depth (inches) Color Redox. Features Soil Texture Structure Consistence Other Features
 Leaf litter 4
 A 0-5 7.5YR 2/1 No StFSL Gr Fr
 E 5-10 7.5YR 5/1 No StFSL Bk Fr
 Bs 10-17 7.5YR 4/6 No StFSL Bk Fr
 Bw 17-34 2.5Y 4/4 C & D StFSL Bk Fr
 Cd 34-64 2.5Y 4/3 M & P StLS Ma Firm
 Observed water: 55
 Seasonal high water table: 17
 Restrictive horizon: 34
 Bedrock: No
 Soil series: Skerry

Test Pit: MC93

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	1						
A	0-5	7.5YR 3/3	No	StFSL	Gr	Fr	
Bh	5-20	7.5YR 4/4	No	StFSL	Bk	Fr	
Bw	20-26	10YR 6/4	No	StLS	Bk	Fr	
Cd	26-68	2.5Y 5/4	C & D	StLS	MA	Firm	Redox limited to upper part
Observed water:	No						
Seasonal high water table:	26						
Restrictive horizon:	26						
Bedrock:	No						
Soil series:	Becket						

Test Pit: MC94

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	2						
A	0-12	7.5YR 2/2	No	ByFSL	Gr	Fr	
Bs	12-19	7.5YR 4/6	No	ByFSL	Bk	Fr	
Bw	19-27	10YR 4/4	No	ByFSL	Ma	Fr	
R	27+			Bedrock			
Observed water:	No						
Seasonal high water table:	No						
Restrictive horizon:	No						
Bedrock:	27						
Soil series:	Tunbridge						

Test Pit: MC95

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	3						
A	0-5	7.5YR 2/2	No	StFSL	Gr	Fr	
Bh	5-22	7.5YR 4/4	No	StFSL	Bk	Fr	
Bw	22-32	10YR 5/4	C & D	StFSL	Bk	Fr	
Cd	32-75	2.5Y 6/3	C & P	StLS	Ma	Firm	
Observed water:	30						
Seasonal high water table:	22						
Restrictive horizon:	32						
Bedrock:	No						
Soil series:	Skerry						

Test Pit: MC96

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	3						
A	0-3	7.5YR 2/1	No	StFSL	Gr	Fr	
E	3-9	7.5YR 5/1	No	StFSL	Bk	Fr	
Bs	9-21	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	21-28	10YR 5/4	No	S	SG	Lo	
Cd	28-68	2.5Y 5/3	C & P	StLS	Ma	Firm	
Observed water:	No						
Seasonal high water table:	28						
Restrictive horizon:	28						
Bedrock:	No						
Soil series:	Skerry						

Test Pit: MC97

<u>Soil Horizon</u>	<u>Depth (inches)</u>	<u>Color</u>	<u>Redox. Features</u>	<u>Soil Texture</u>	<u>Structure</u>	<u>Consistence</u>	<u>Other Features</u>
Leaf litter	1						Bouldery surface
A	0-5	10YR 2/2	No	StFSL	Gr	Fr	
Bh	5-22	7.5YR 4/4	No	StFSL	Bk	Fr	
Bw	22-27	10YR 4/3	No	StLS	Bk	Fr	
Cd	27-36	2.5Y 4/4	C & D	StLS	MA	Firm	
R	36+			Bedrock			
Observed water:	No						

Seasonal high water table: 27
 Restrictive horizon: 27
 Bedrock: 36
 Soil series: Tunbridge variant

Test Pit: MC98

Soil Horizon	Depth (inches)	Color	Redox. Features	Soil Texture	Structure	Consistence	Other Features
Leaf litter	3						Bouldery surface
A	0-5	7.5YR 2/2	No	StFSL	Gr	Fr	
Bs	5-19	7.5YR 4/6	No	StFSL	Bk	Fr	
Cd	19-35	10YR 4/3	C & D	StLS	Ma	Firm	
R	35+			Bedrock			

Observed water: No
 Seasonal high water table: 19
 Restrictive horizon: 19
 Bedrock: 35
 Soil series: Tunbridge variant

Test Pit: MC99

Soil Horizon	Depth (inches)	Color	Redox. Features	Soil Texture	Structure	Consistence	Other Features
Leaf litter	2						Bouldery surface
A	0-4	10YR 3/3	No	StFSL	Gr	Fr	
Bw	4-16	10YR 5/6	No	StFSL	Bk	Fr	
Bw2	16-24	10YR 4/4	No	StS	SG	Lo	
C	24-32	2.5Y 6/4	No	StLS	Ma	Fr	
R	32+			Bedrock			

Observed water: No
 Seasonal high water table: No
 Restrictive horizon: No
 Bedrock: 32
 Soil series: Tunbridge

Test Pit: MC100

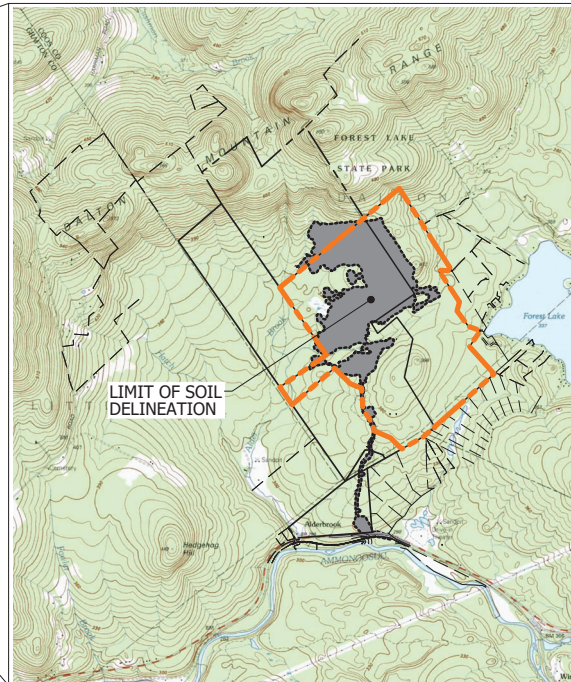
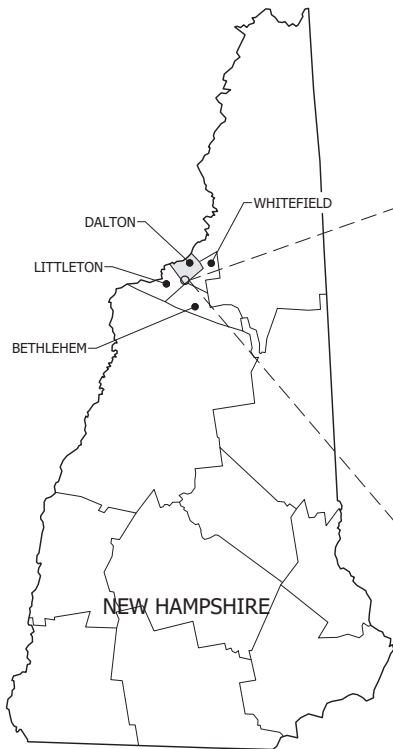
Soil Horizon	Depth (inches)	Color	Redox. Features	Soil Texture	Structure	Consistence	Other Features
Leaf litter	3						Bouldery surface
A	0-3	7.5YR 2/1	No	StFSL	Gr	Fr	
E	3-6	7.5YR 5/1	No	StFSL	Bk	Fr	
Bs	6-12	7.5YR 4/6	No	StFSL	Bk	Fr	
Bw	12-32	10YR 4/6	No	StFSL	Bk	Fr	
Cd	32-72	2.5Y 5/2	No	StLS	MA	Firm	

Observed water: No
 Seasonal high water table: No
 Restrictive horizon: 32
 Bedrock: No
 Soil series: Becket

GRANITE STATE LANDFILL, LLC

EXISTING CONDITIONS SOIL MAPPING PLANS

DALTON, NEW HAMPSHIRE
AUGUST 2020 (REVISED MARCH 2023)



LOCATION PLAN

SCALE: 1" = 2000'

OWNER:

GRANITE STATE LANDFILL, LLC
1855 VT ROUTE 100
HYDE PARK, VT 05655
802.651.5454

SOIL SCIENTIST:

MICHAEL CUOMO
6 YORK POND ROAD
YORK, ME 03909



Michael Cuomo
28 MARCH 2023

SURVEYOR:

HORIZONS ENGINEERING, INC.
34 SCHOOL STREET
LITTLETON, NH 03561