

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal
Massachusetts City or Town: SEEKONK, MA

AnSite Engineering Services, LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1531 Fall River Avenue, Suite #1
Seekonk, MA 02771
Phone: (508) 336-4500
Fax: (508) 336-4508

CLIENT: STEVEN DECASTRO DATE: 10-26-2010 STREET: 160 OLNEY STREET
ADDRESS: 25 ASYLUM ROAD TOWN: SEEKONK, MA 02771
WARREN, RI 02885 WEATHER: MAP/LOT: A.P. 6/ LOT 40
PHONE #: 401-255-3329 REPAIR: NEW: [X] SITE SKETCH: (SEE SUBDIVISION PLAN LOT 2)

PERFORMED BY: MICHAEL S. FARIA RI PE, MA SE708 VEGETATION: LAWN LAND USE: RESIDENTIAL
WITNESSED BY: BETH HALLAL LAND USE: RESIDENTIAL (SEE SUBDIVISION PLAN LOT 2)
EXCAVATION CO.: PAUL FARIA 401-255-9669 DEPTH TO BEDROCK: NONE OBSERVED
SURFACE STONES: NONE SLOPE: 0-2% ±

Deep Hole #	Depth from surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (munsell)	Soil Mottling (inches)	Other (Structure, Stones, Consistency, % Gravel)
TP1	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP2	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP3	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP4	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL

DISTANCES FROM (ft.) Hole # APPROXIMATE (VERIFY)

Hole #	TP1	TP2	TP3	TP4
Open Water Body	>200	>200	>200	>200
Possible Wet Area	>100	>100	>100	>100
Drinking Water Well	>100	>100	>100	>100
Drainage	>50	>50	>50	>50
Property Line	>10	>10	>10	>10
Other (specify)				

DEPTH TO GROUND WATER (ft.)

Standing Water in the Hole	TP1	TP2	TP3	TP4
Time at 12"	-	-	-	-
Time at 6"	-	-	-	-
Time at 9"	-	-	-	-
Time (P-6") (Min)	32	32	32	32
Rate (Min/Inch)	5	3	<2	

ASSESSMENT OF DEEP HOLE: SUITABLE X X X X X
UNUSUITABLE

DEP CERTIFIED SOIL EVALUATOR PRINTED: MICHAEL S. FARIA RI PE, MA SE708, SIGNED:
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 301 CMR 6.07 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND EXPERIENCE DESCRIBED IN 301 CMR 6.07.
FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THIS SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE TO 301 CMR 6.07.
Page ___ of ___

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal
Massachusetts City or Town: SEEKONK, MA

AnSite Engineering Services, LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1531 Fall River Avenue, Suite #1
Seekonk, MA 02771
Phone: (508) 336-4500
Fax: (508) 336-4508

CLIENT: STEVEN DECASTRO DATE: 10-26-2010 STREET: 160 OLNEY STREET
ADDRESS: 25 ASYLUM ROAD TOWN: SEEKONK, MA 02771
WARREN, RI 02885 WEATHER: MAP/LOT: A.P. 6/ LOT 40
PHONE #: 401-255-3329 REPAIR: NEW: [X] SITE SKETCH: (SEE SUBDIVISION PLAN LOT 2)

PERFORMED BY: MICHAEL S. FARIA RI PE, MA SE708 VEGETATION: LAWN LAND USE: RESIDENTIAL
WITNESSED BY: BETH HALLAL LAND USE: RESIDENTIAL (SEE SUBDIVISION PLAN LOT 2)
EXCAVATION CO.: PAUL FARIA 401-255-9669 DEPTH TO BEDROCK: NONE OBSERVED
SURFACE STONES: NONE SLOPE: 0-2% ±

Deep Hole #	Depth from surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (munsell)	Soil Mottling (inches)	Other (Structure, Stones, Consistency, % Gravel)
TP5	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP6	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP7	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP8	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL

DISTANCES FROM (ft.) Hole # APPROXIMATE (VERIFY)

Hole #	TP5	TP6	TP7	TP8
Open Water Body	>200	>200	>200	>200
Possible Wet Area	>100	>100	>100	>100
Drinking Water Well	>100	>100	>100	>100
Drainage	>50	>50	>50	>50
Property Line	>10	>10	>10	>10
Other (specify)				

DEPTH TO GROUND WATER (ft.)

Standing Water in the Hole	TP5	TP6	TP7	TP8
Time at 12"	-	-	-	-
Time at 6"	-	-	-	-
Time at 9"	-	-	-	-
Time (P-6") (Min)	32	32	32	32
Rate (Min/Inch)	<2	<2	<2	<2

ASSESSMENT OF DEEP HOLE: SUITABLE X X X X X
UNUSUITABLE

DEP CERTIFIED SOIL EVALUATOR PRINTED: MICHAEL S. FARIA RI PE, MA SE708, SIGNED:
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 301 CMR 6.07 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND EXPERIENCE DESCRIBED IN 301 CMR 6.07.
FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THIS SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE TO 301 CMR 6.07.
Page ___ of ___

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal
Massachusetts City or Town: SEEKONK, MA

AnSite Engineering Services, LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1531 Fall River Avenue, Suite #1
Seekonk, MA 02771
Phone: (508) 336-4500
Fax: (508) 336-4508

CLIENT: STEVEN DECASTRO DATE: 10-26-2010 STREET: 160 OLNEY STREET
ADDRESS: 25 ASYLUM ROAD TOWN: SEEKONK, MA 02771
WARREN, RI 02885 WEATHER: MAP/LOT: A.P. 6/ LOT 40
PHONE #: 401-255-3329 REPAIR: NEW: [X] SITE SKETCH: (SEE SUBDIVISION PLAN LOT 2)

PERFORMED BY: MICHAEL S. FARIA RI PE, MA SE708 VEGETATION: LAWN LAND USE: RESIDENTIAL
WITNESSED BY: BETH HALLAL LAND USE: RESIDENTIAL (SEE SUBDIVISION PLAN LOT 2)
EXCAVATION CO.: PAUL FARIA 401-255-9669 DEPTH TO BEDROCK: NONE OBSERVED
SURFACE STONES: NONE SLOPE: 0-2% ±

Deep Hole #	Depth from surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (munsell)	Soil Mottling (inches)	Other (Structure, Stones, Consistency, % Gravel)
TP9	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP10	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP11	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP12	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL

DISTANCES FROM (ft.) Hole # APPROXIMATE (VERIFY)

Hole #	TP9	TP10	TP11	TP12
Open Water Body	>200	>200	>200	>200
Possible Wet Area	>100	>100	>100	>100
Drinking Water Well	>100	>100	>100	>100
Drainage	>50	>50	>50	>50
Property Line	>10	>10	>10	>10
Other (specify)				

DEPTH TO GROUND WATER (ft.)

Standing Water in the Hole	TP9	TP10	TP11	TP12
Time at 12"	-	-	-	-
Time at 6"	-	-	-	-
Time at 9"	-	-	-	-
Time (P-6") (Min)	32	32	32	32
Rate (Min/Inch)	<2	<2	<2	<2

ASSESSMENT OF DEEP HOLE: SUITABLE X X X X X
UNUSUITABLE

DEP CERTIFIED SOIL EVALUATOR PRINTED: MICHAEL S. FARIA RI PE, MA SE708, SIGNED:
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 301 CMR 6.07 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND EXPERIENCE DESCRIBED IN 301 CMR 6.07.
FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THIS SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE TO 301 CMR 6.07.
Page ___ of ___

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal
Massachusetts City or Town: SEEKONK, MA

AnSite Engineering Services, LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1531 Fall River Avenue, Suite #1
Seekonk, MA 02771
Phone: (508) 336-4500
Fax: (508) 336-4508

CLIENT: STEVEN DECASTRO DATE: 10-26-2010 STREET: 160 OLNEY STREET
ADDRESS: 25 ASYLUM ROAD TOWN: SEEKONK, MA 02771
WARREN, RI 02885 WEATHER: MAP/LOT: A.P. 6/ LOT 40
PHONE #: 401-255-3329 REPAIR: NEW: [X] SITE SKETCH: (SEE SUBDIVISION PLAN LOT 2)

PERFORMED BY: MICHAEL S. FARIA RI PE, MA SE708 VEGETATION: LAWN LAND USE: RESIDENTIAL
WITNESSED BY: BETH HALLAL LAND USE: RESIDENTIAL (SEE SUBDIVISION PLAN LOT 2)
EXCAVATION CO.: PAUL FARIA 401-255-9669 DEPTH TO BEDROCK: NONE OBSERVED
SURFACE STONES: NONE SLOPE: 0-2% ±

Deep Hole #	Depth from surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (munsell)	Soil Mottling (inches)	Other (Structure, Stones, Consistency, % Gravel)
TP13	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP14	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP15	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL
TP16	0-12	Ap	SANDY LOAM	10YR3/2		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	32" 7.5YR5/8	FRIABLE
	60-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE WITH FRIABLE POCKETS 20% GRAVEL

DISTANCES FROM (ft.) Hole # APPROXIMATE (VERIFY)

Hole #	TP13	TP14	TP15	TP16
Open Water Body	>200	>200	>200	>200
Possible Wet Area	>100	>100	>100	>100
Drinking Water Well	>100	>100	>100	>100
Drainage	>50	>50	>50	>50
Property Line	>10	>10	>10	>10
Other (specify)				

DEPTH TO GROUND WATER (ft.)

Standing Water in the Hole	TP13	TP14	TP15	TP16
Time at 12"	-	-	-	-
Time at 6"	-	-	-	-
Time at 9"	-	-	-	-
Time (P-6") (Min)	108	108	108	108
Rate (Min/Inch)	3	4	3	4

ASSESSMENT OF DEEP HOLE: SUITABLE X X X X X
UNUSUITABLE

DEP CERTIFIED SOIL EVALUATOR PRINTED: MICHAEL S. FARIA RI PE, MA SE708, SIGNED:
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 301 CMR 6.07 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND EXPERIENCE DESCRIBED IN 301 CMR 6.07.
FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THIS SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE TO 301 CMR 6.07.
Page ___ of ___

Modified DEP Forms 11 & 12 - Soil Suitability Assessment & Percolation Test for On-Site Sewage Disposal
Massachusetts City or Town: SEEKONK, MA

AnSite Engineering Services, LLC
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
1531 Fall River Avenue, Suite #1
Seekonk, MA 02771
Phone: (508) 336-4500
Fax: (508) 336-4508

CLIENT: STEVEN DECASTRO DATE: 11-2-2010 STREET: 160 OLNEY STREET
ADDRESS: 25 ASYLUM ROAD TOWN: SEEKONK, MA 02771
WARREN, RI 02885 WEATHER: MAP/LOT: A.P. 6/ LOT 40
PHONE #: 401-255-3329 REPAIR: NEW: [X] SITE SKETCH: (SEE SUBDIVISION PLAN LOT 2)

PERFORMED BY: MICHAEL S. FARIA RI PE, MA SE708 VEGETATION: LAWN LAND USE: RESIDENTIAL
WITNESSED BY: HAROLD E. CHENEVERT, JR. LAND USE: RESIDENTIAL (SEE SUBDIVISION PLAN LOT 2)
EXCAVATION CO.: PAUL FARIA 401-255-9669 DEPTH TO BEDROCK: NONE OBSERVED
SURFACE STONES: NONE SLOPE: 0-2% ±

Deep Hole #	Depth from surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (munsell)	Soil Mottling (inches)	Other (Structure, Stones, Consistency, % Gravel)
TP17	0-12	Ap	SANDY LOAM	10YR3/1		FRIABLE
	12-24	B	LOAMY SAND	10YR5/8		FRIABLE
	24-60	C1	VERY FINE SAND	2.5Y7/1	38" 7.5YR5/8	FRIABLE
	48-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE
TP18	0-12	Ap	SANDY LOAM	10YR3/1		FRIABLE
	12-30	B	LOAMY SAND	10YR5/8		FRIABLE
	30-48	C1	VERY FINE SAND	2.5Y6/1	38" 7.5YR5/8	FRIABLE POCKETS
	48-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE
TP19	0-12	Ap	SANDY LOAM	10YR3/1		FRIABLE
	12-30	B	LOAMY SAND	10YR5/8		FRIABLE
	30-48	C1	VERY FINE SAND	2.5Y6/1	38" 7.5YR5/8	FRIABLE POCKETS 40% GRAVEL
	48-120	C2	MEDIUM COARSE SAND	2.5Y6/1		LOOSE
TP20	0-12	Ap1	SANDY LOAM	10YR3/2</		