

Soil Features

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Aa:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Adrian	---	---	---	---	---	29-33	High	High	Moderate
AfA:									
Agawam	---	---	---	---	---	---	Low	Low	High
AfB:									
Agawam	---	---	---	---	---	---	Low	Low	High
Ba:									
Beaches	---	---	---	---	---	---	---	---	---
Udipsamments, Udipsamments-undulating	---	---	---	---	---	---	---	---	---
Bc:									
Birchwood	Dense material	22-39	---	Strongly cemented	---	---	Moderate	Low	High
BhA:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
BhB:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
BmA:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
BmB:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate

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BnB:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
Charlton	---	---	---	---	---	---	Low	Low	High
BnC:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
Charlton	---	---	---	---	---	---	Low	Low	High
BoC:									
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
Charlton	---	---	---	---	---	---	Low	Low	High
BrA:									
Broadbrook	---	---	---	---	---	---	Moderate	Low	Moderate
BrB:									
Broadbrook	---	---	---	---	---	---	Moderate	Low	Moderate
BsB:									
Broadbrook	---	---	---	---	---	---	Moderate	Low	Moderate
CaC:									
Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
Rock outcrop	Bedrock (lithic)	0-4	---	---	---	---	---	---	---

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CaD:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
Rock outcrop	Bedrock (lithic)	0-4	---	---	---	---	---	---	---
CB:									
Canton	---	---	---	---	---	---	Low	Low	High
Urban land	---	---	---	---	---	---	---	---	---
CC:									
Canton	---	---	---	---	---	---	Low	Low	High
Urban land	---	---	---	---	---	---	---	---	---
CdA:									
Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
CdB:									
Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
CdC:									
Canton	---	---	---	---	---	---	Low	Low	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
CdC: Charlton	---	---	---	---	---	---	Low	Low	High
CeC: Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
ChB: Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
ChC: Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
ChD: Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
CkC: Canton	---	---	---	---	---	---	Low	Low	High
Charlton	---	---	---	---	---	---	Low	Low	High
Co: Carlisle	---	---	---	---	---	43-54	High	High	Low

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Dc:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Deerfield	---	---	---	---	---	---	Moderate	Low	High
Du:									
Dumps	---	---	---	---	---	---	---	---	---
EfA:									
Enfield	---	---	---	---	---	---	Moderate	Low	Moderate
EfB:									
Enfield	---	---	---	---	---	---	Moderate	Low	Moderate
GBC:									
Gloucester	---	---	---	---	---	---	Low	Low	High
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
GBD:									
Gloucester	---	---	---	---	---	---	Low	Low	High
Bridgehampton	---	---	---	---	---	---	High	Moderate	Moderate
GhC:									
Gloucester	---	---	---	---	---	---	Low	Low	High
Hinckley	---	---	---	---	---	---	Low	Low	High
GhD:									
Gloucester	---	---	---	---	---	---	Low	Low	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
GhD:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Hinckley	---	---	---	---	---	---	Low	Low	High
HkA:									
Hinckley	---	---	---	---	---	---	Low	Low	High
HkC:									
Hinckley	---	---	---	---	---	---	Low	Low	High
HkD:									
Hinckley	---	---	---	---	---	---	Low	Low	High
HnC:									
Hinckley	---	---	---	---	---	---	Low	Low	High
Enfield	---	---	---	---	---	---	Moderate	Low	Moderate
Ip:									
Ipswich	---	---	---	---	---	---	---	High	High
LgC:									
Lippitt	Bedrock (paralithic)	20-40	---	Indurated	---	---	Low	Low	High
Ma:									
Mansfield	---	---	---	---	---	---	High	Low	High
Mc:									
Mansfield	---	---	---	---	---	---	High	Low	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Mk:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Matunuck	---	---	---	---	---	---	---	High	High
MmA:									
Merrimac	---	---	---	---	---	---	Low	Low	High
MmB:									
Merrimac	---	---	---	---	---	---	Low	Low	High
MU:									
Merrimac	---	---	---	---	---	---	Low	Low	High
Urban land	---	---	---	---	---	---	---	---	---
NaA:									
Narragansett	---	---	---	---	---	---	Moderate	Low	Moderate
NaB:									
Narragansett	---	---	---	---	---	---	Moderate	Low	Moderate
NbB:									
Narragansett	---	---	---	---	---	---	Moderate	Low	Moderate
NbC:									
Narragansett	---	---	---	---	---	---	Moderate	Low	Moderate
NcC:									
Narragansett	---	---	---	---	---	---	Moderate	Low	Moderate

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
NeA:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
NeB:									
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
NeC:									
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
NfB:									
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
NoC:									
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
NP:									
Newport	---	---	---	---	---	---	Moderate	Low	Moderate
Urban land	---	---	---	---	---	---	---	---	---
Nt:									
Ninigret	---	---	---	---	---	---	High	Moderate	High
PaA:									
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate
PaB:									
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
PbB:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate
PbC:									
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate
PcC:									
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate
PD:									
Paxton	---	---	---	---	---	---	Moderate	Low	Moderate
Urban land	---	---	---	---	---	---	---	---	---
Pg:									
Pits	---	---	---	---	---	---	---	---	---
Urban land	---	---	---	---	---	---	---	---	---
Pk:									
Pits	---	---	---	---	---	---	---	---	---
PmA:									
Pittstown	---	---	---	---	---	---	Moderate	Moderate	High
PmB:									
Pittstown	---	---	---	---	---	---	Moderate	Moderate	High
PnB:									
Pittstown	---	---	---	---	---	---	Moderate	Moderate	High

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Pp:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Pootatuck	---	---	---	---	---	---	Moderate	Moderate	Moderate
PsA:									
Poquonock	---	---	---	---	---	---	Low	Low	High
PsB:									
Poquonock	---	---	---	---	---	---	Low	Low	High
QoA:									
Quonset	---	---	---	---	---	---	Low	Low	High
QoC:									
Quonset	---	---	---	---	---	---	Low	Low	High
RaA:									
Rainbow	---	---	---	---	---	---	High	Moderate	Moderate
RaB:									
Rainbow	---	---	---	---	---	---	High	Moderate	Moderate
RbB:									
Rainbow	---	---	---	---	---	---	High	Moderate	Moderate
Rc:									
Raypol	---	---	---	---	---	---	High	Moderate	Moderate
Re:									
Ridgebury	---	---	---	---	---	---	High	High	High

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Rf:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Leicester	---	---	---	---	---	---	High	Low	High
Ridgebury	---	---	---	---	---	---	High	High	High
Whitman	---	---	---	---	---	---	High	High	High
Rk:									
Rock outcrop	Bedrock (lithic)	0-4	---	---	---	---	---	---	---
Beaches	---	---	---	---	---	---	---	---	---
Rp:									
Rock outcrop	Bedrock (lithic)	0-4	---	---	---	---	---	---	---
Canton	---	---	---	---	---	---	Low	Low	High
Ru:									
Rippowam	---	---	---	---	---	---	High	High	High
Sb:									
Scarboro	---	---	---	---	---	---	High	High	High
ScA:									
Scio	---	---	---	---	---	---	High	Moderate	Moderate
SdB:									
Scio	---	---	---	---	---	---	High	Moderate	Moderate

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
Se:		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
Stissing	---	---	---	---	---	---	High	High	High
Sf:									
Stissing	---	---	---	---	---	---	High	High	High
Ss:									
Sudbury	---	---	---	---	---	---	Moderate	Low	High
StA:									
Sutton	---	---	---	---	---	---	High	Moderate	High
StB:									
Sutton	---	---	---	---	---	---	High	Moderate	High
SuB:									
Sutton	---	---	---	---	---	---	High	Moderate	High
SvB:									
Sutton	---	---	---	---	---	---	High	Moderate	High
Tb:									
Tisbury	---	---	---	---	---	---	High	Low	Moderate
UAB:									
Udipsamments	---	---	---	---	0	---	Low	High	High
Beaches	---	---	---	---	---	---	---	---	---

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
UBE:									
Udorthents	---	---	---	---	---	---	---	---	---
Beaches	---	---	---	---	---	---	---	---	---
UD:									
Udorthents	---	---	---	---	---	---	---	---	---
Urban land	---	---	---	---	---	---	---	---	---
Ur:									
Urban land	---	---	---	---	---	---	---	---	---
W:									
Water	---	---	---	---	---	---	---	---	---
Wa:									
Walpole	---	---	---	---	---	---	High	Low	Moderate
WbA:									
Wapping	---	---	---	---	---	---	High	Low	High
WbB:									
Wapping	---	---	---	---	---	---	High	Low	High
WcB:									
Wapping	---	---	---	---	---	---	High	Low	High
WdB:									
Wapping	---	---	---	---	---	---	High	Low	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		<i>In</i>	<i>In</i>		<i>In</i>	<i>In</i>			
WgA:									
Windsor	---	---	---	---	---	---	Low	Low	High
WgB:									
Windsor	---	---	---	---	---	---	Low	Low	High
WhA:									
Woodbridge	---	---	---	---	---	---	High	Low	Moderate
WhB:									
Woodbridge	---	---	---	---	---	---	High	Low	Moderate
WoB:									
Woodbridge	---	---	---	---	---	---	High	Low	Moderate
WrB:									
Woodbridge	---	---	---	---	---	---	High	Low	Moderate