

## Building Site Development

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
AcD: Aguilita-----	Limited ~slope (limited)	Limited ~slope (limited)	Very limited ~slope (very limited)	Limited ~slope (limited)	Very limited ~too clayey (very limited) ~slope (limited)
AcE: Aguilita-----	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited) ~too clayey (very limited)
Ag: Aguirre-----	Very limited ~wetness (very limited) ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (very limited)	Very limited ~shrink-swell (very limited) ~wetness (very limited)	Very limited ~low strength (very limited) ~wetness (very limited) ~shrink-swell (very limited)	Very limited ~excess sodium (very limited) ~wetness (very limited) ~too clayey (very limited)
AmB: Amelia-----	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited)
Maguayo-----	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
AmC2: Amelia-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited) ~slope (slightly limited)	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited) ~slope (slightly limited)
Maguayo-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited)	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited) ~slope (slightly limited)	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited) ~slope (slightly limited)
Ao: Amelia-----	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited)	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	Moderately limited ~too clayey (moderately limited)
AsB: Bahia-----	Not limited	Not limited	Slightly limited ~slope (slightly limited)	Not limited	Slightly limited ~droughty (slightly limited)
Ca: Cartagena-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited) ~excess salts (moderately limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
Cc: Cartagena variant-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
Co: Coastal beach-----	Not rated	Not rated	Not rated	Not rated	Not rated
DeC: Descalabrado-----	Very limited ~hard bedrock <20" (very limited) ~slope (slightly limited)	Very limited ~hard bedrock <40" (very limited) ~slope (slightly limited)	Very limited ~hard bedrock <20" (very limited) ~slope (limited)	Very limited ~hard bedrock <20" (very limited)	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~too clayey (moderately limited)
DeD: Descalabrado-----	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <40" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~slope (very limited)
DeF: Descalabrado-----	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <40" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~slope (very limited) ~shallow to bedrock (very limited) ~droughty (very limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
Fe: Fe-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (slightly limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~excess sodium (very limited) ~too clayey (very limited) ~excess salts (moderately limited)
FrA: Fraternidad-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
FrB: Fraternidad-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (very limited)	Very limited ~too clayey (very limited)
Ft: Fraternidad-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
FvA: Fraternidad-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
FvB: Fraternidad-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
Gc: Guanica-----	Very limited ~wetness (very limited) ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (very limited)	Very limited ~shrink-swell (very limited) ~wetness (very limited)	Very limited ~low strength (very limited) ~wetness (very limited) ~shrink-swell (very limited)	Very limited ~excess sodium (very limited) ~wetness (very limited) ~too clayey (very limited)
Gf: Guayabo-----	Not limited	Not limited	Not limited	Not limited	Limited ~droughty (limited)
GuD: Guayama-----	Very limited ~hard bedrock <20" (very limited) ~slope (limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <40" (very limited) ~slope (limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <20" (very limited) ~low strength (very limited) ~slope (limited)	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~slope (limited)
GuF: Guayama-----	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited) ~low strength (very limited)	Very limited ~slope (very limited) ~shallow to bedrock (very limited) ~droughty (very limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
JaB: Jacana-----	Very limited ~shrink-swell (very limited)	Moderately limited ~soft bedrock <40" (moderately limited) ~shrink-swell (slightly limited)	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited) ~depth to bedrock (slightly limited) ~droughty (slightly limited)
JaC: Jacana-----	Very limited ~shrink-swell (very limited) ~slope (moderately limited)	Moderately limited ~shrink-swell (moderately limited) ~soft bedrock <40" (moderately limited) ~slope (moderately limited)	Very limited ~shrink-swell (very limited) ~slope (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~too clayey (very limited) ~depth to bedrock (slightly limited) ~slope (slightly limited)
JaC2: Jacana-----	Moderately limited ~slope (moderately limited)	Moderately limited ~soft bedrock <40" (moderately limited) ~slope (moderately limited) ~shrink-swell (slightly limited)	Very limited ~slope (very limited)	Slightly limited ~slope (slightly limited)	Very limited ~too clayey (very limited) ~depth to bedrock (slightly limited) ~slope (slightly limited)
JaD2: Jacana-----	Very limited ~slope (very limited) ~soft bedrock <20" (limited) ~shrink-swell (moderately limited)	Very limited ~soft bedrock <20" (very limited) ~slope (very limited) ~shrink-swell (slightly limited)	Very limited ~slope (very limited) ~soft bedrock <20" (limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~slope (very limited) ~soft bedrock <20" (limited)	Very limited ~shallow to bedrock (very limited) ~too clayey (very limited) ~slope (very limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
JcB: Jacana-----	Very limited ~shrink-swell (very limited)	Moderately limited ~shrink-swell (moderately limited) ~soft bedrock <40" (moderately limited)	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited) ~depth to bedrock (slightly limited)
JcC: Jacana-----	Very limited ~shrink-swell (very limited) ~slope (moderately limited)	Moderately limited ~soft bedrock <40" (moderately limited) ~slope (moderately limited) ~shrink-swell (slightly limited)	Very limited ~shrink-swell (very limited) ~slope (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (slightly limited)	Very limited ~too clayey (very limited) ~depth to bedrock (slightly limited) ~slope (slightly limited)
Lr: Limestone rock land-----	Not rated	Not rated	Not rated	Not rated	Not rated
MaD2: Mariana-----	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~slope (very limited) ~shrink-swell (slightly limited)	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~slope (very limited) ~too acid (limited) ~too clayey (moderately limited)
MaE2: Mariana-----	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~slope (very limited) ~shrink-swell (slightly limited)	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~slope (very limited) ~too acid (limited) ~too clayey (moderately limited)

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Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
PaA: Palmarejo-----	Moderately limited ~shrink-swell (moderately limited)	Not limited	Moderately limited ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	Limited ~too acid (limited)
PaB: Palmarejo-----	Moderately limited ~shrink-swell (moderately limited)	Not limited	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	Limited ~too acid (limited)
PaC2: Palmarejo-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	Moderately limited ~slope (moderately limited)	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~shrink-swell (moderately limited) ~slope (slightly limited)	Limited ~too acid (limited) ~slope (slightly limited)
PcB: Poncena-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
PcC2: Poncena-----	Very limited ~shrink-swell (very limited) ~slope (moderately limited)	Limited ~shrink-swell (limited) ~slope (moderately limited)	Very limited ~shrink-swell (very limited) ~slope (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited) ~slope (slightly limited)
PoA: Poza blanco-----	Not limited	Not limited	Not limited	Not limited	Not limited

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
PzB: Pozo blanco-----	Not limited	Not limited	Not limited	Not limited	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited)
PzC: Pozo blanco-----	Moderately limited ~slope (moderately limited)	Moderately limited ~slope (moderately limited)	Very limited ~slope (very limited)	Slightly limited ~slope (slightly limited)	Moderately limited ~too clayey (moderately limited) ~small stones (moderately limited) ~slope (slightly limited)
PzD: Pozo blanco-----	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited)	Very limited ~slope (very limited) ~too clayey (moderately limited) ~small stones (moderately limited)
Sa: San anton-----	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited) ~low strength (slightly limited)	Moderately limited ~too clayey (moderately limited) ~flooding (moderately limited)
Sc: San anton-----	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Moderately limited ~too clayey (moderately limited) ~flooding (moderately limited)

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
Se: San anton variant-----	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Very limited ~flooding (very limited)	Moderately limited ~flooding (moderately limited) ~too clayey (moderately limited)
SgD: San german-----	Very limited ~hard bedrock <20" (very limited) ~slope (limited)	Very limited ~hard bedrock <40" (very limited) ~slope (limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (limited)	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~large stones >30% (very limited)
SgF: San german-----	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <40" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~hard bedrock <20" (very limited) ~slope (very limited)	Very limited ~slope (very limited) ~shallow to bedrock (very limited) ~droughty (very limited)
SmE: San german-----	Very limited ~slope (very limited) ~large stones (slightly limited)	Very limited ~large stones >30% (very limited) ~slope (very limited) ~too clayey (moderately limited)			

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
Sn: Santa isabel-----	Very limited ~shrink-swell (very limited)	Very limited ~shrink-swell (very limited) ~wetness (slightly limited)	Very limited ~shrink-swell (very limited)	Very limited ~low strength (very limited) ~shrink-swell (very limited)	Very limited ~too clayey (very limited)
SoA: Sosa-----	Not limited	Not limited	Not limited	Very limited ~low strength (very limited)	Slightly limited ~droughty (slightly limited)
SsB: Sosa-----	Not limited	Not limited	Slightly limited ~slope (slightly limited)	Very limited ~low strength (very limited)	Slightly limited ~droughty (slightly limited)
SsD2: Sosa-----	Moderately limited ~slope (moderately limited)	Moderately limited ~slope (moderately limited)	Very limited ~slope (very limited)	Slightly limited ~slope (slightly limited)	Slightly limited ~droughty (slightly limited) ~slope (slightly limited)
Tc: Teresa-----	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~flooding (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~excess sodium (very limited) ~excess salts (very limited) ~too clayey (very limited)
Tf: Tidal flats-----	Not rated	Not rated	Not rated	Not rated	Not rated

Lajas Valley Area, Puerto Rico: Detailed Soil Map Legend

Building Site Development--Continued

Map symbol and soil name	Dwellings without basements	Dwellings with basements	Small commercial buildings	Local roads and streets	Lawns and landscaping
	Limitation	Limitation	Limitation	Limitation	Limitation
Ts: Tidal swamp-----	Not rated	Not rated	Not rated	Not rated	Not rated
Va: Vayas-----	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~flooding (very limited) ~wetness (limited) ~shrink-swell (moderately limited)	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~low strength (very limited) ~flooding (very limited) ~shrink-swell (moderately limited)	Very limited ~too clayey (very limited) ~flooding (moderately limited)
Vo: Volcanic rock land-----	Not rated	Not rated	Not rated	Not rated	Not rated
W: Water-----	Not rated	Not rated	Not rated	Not rated	Not rated