

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. **Map units in red represent the soils having the greatest potential for caving when excavated.**)

Map symbol and soil name	ENG - Shallow Excavations
1UB: BAILE-----	1.000 Very limited 1.000 Depth to saturated zone 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
2B: BELTSVILLE-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (1.000-1.000) Depth to saturated zone
KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
2UB: BELTSVILLE-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (1.000-1.000) Depth to saturated zone
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
2UC: BELTSVILLE-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (1.000-1.000) Depth to saturated zone 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
3UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
BELTSVILLE-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (1.000-1.000) Depth to saturated zone
KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
4UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
BELTSVILLE-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (1.000-1.000) Depth to saturated zone

Map symbol and soil name	ENG - Shallow Excavations
5E: BRANDYWINE-----	1.000 Very limited 1.000 Slope 1.000 Cutbanks cave
6B: CHESTER-----	0.100 Somewhat limited 0.100 Cutbanks cave
6UB: CHESTER-----	0.100 Somewhat limited 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
7UB: CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
7UC: CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
8UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
9UB: ELKTON-----	1.000 Very limited 1.000 Depth to saturated zone 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
10: FLUVENTS-----	0.955 Somewhat limited 0.955 Depth to saturated zone 0.800 Flooding 0.100 Cutbanks cave
11B: GALESTOWN-----	1.000 Very limited 1.000 Cutbanks cave

Map symbol and soil name	ENG - Shallow Excavations
11UB: GALESTOWN-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
12A: JACKLAND-----	1.000 Very limited 1.000 Depth to saturated zone 0.500 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
12B: JACKLAND-----	1.000 Very limited 1.000 Depth to saturated zone 0.500 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
12UB: JACKLAND-----	1.000 Very limited 1.000 Depth to saturated zone 0.500 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
13B: JOPPA-----	1.000 Very limited 1.000 Cutbanks cave
13C: JOPPA-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
13E: JOPPA-----	1.000 Very limited 1.000 Slope 1.000 Cutbanks cave
13UB: JOPPA-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
13UC: JOPPA-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
14UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified

Map symbol and soil name	ENG - Shallow Excavations
JOPPA-----	1.000 Very limited 1.000 Cutbanks cave
15B: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
15UB: KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
16UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
KEYPORT-----	1.000 Very limited 1.000 Cutbanks cave 0.986 (0.612-1.000) Depth to saturated zone
17B: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave
17C: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
17E: LEGORE-----	1.000 Very limited 1.000 Slope 1.000 Cutbanks cave
18B: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave
18C: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
18E: LEGORE-----	1.000 Very limited 1.000 Slope 1.000 Cutbanks cave
18UB: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
18UC: LEGORE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm

Map symbol and soil name	ENG - Shallow Excavations
	Not Rated; Clay percent Not Rated; Unified
18UE: LEGOE-----	1.000 Very limited 1.000 Slope 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
19UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
LEGOE-----	1.000 Very limited 1.000 Cutbanks cave
19UC: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
LEGOE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
20B: LEONARDTOWN-----	1.000 Very limited 1.000 Depth to saturated zone 0.500 (0.000-0.500) Depth to dense layer (No dense layer limitation to Depth to dense layer) 0.100 Cutbanks cave
20UB: LEONARDTOWN-----	1.000 Very limited 1.000 Depth to saturated zone 0.500 (0.000-0.500) Depth to dense layer (No dense layer limitation to Depth to dense layer) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
21C: MANOR-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
21E: MANOR-----	1.000 Very limited 1.000 Slope 0.100 Cutbanks cave
22UB: MANOR-----	0.100 Somewhat limited 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified

Map symbol and soil name	ENG - Shallow Excavations
22UC:	
MANOR-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
23UB:	
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
MANOR-----	0.100 Somewhat limited 0.100 Cutbanks cave
24UB:	
MATAPEAKE-----	0.100 Somewhat limited 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
25B:	
MATTAPEX-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
25UB:	
MATTAPEX-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
26B:	
MONTALTO-----	0.100 (0.100-0.875) Somewhat limited 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
26C:	
MONTALTO-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
26UB:	
MONTALTO-----	0.100 (0.100-0.875) Somewhat limited 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
26UC:	
MONTALTO-----	0.633 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm

Map symbol and soil name	ENG - Shallow Excavations
	Not Rated; Clay percent Not Rated; Unified
27UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
MONTALTO-----	0.100 (0.100-0.875) Somewhat limited 0.100 Cutbanks cave 0.031 (0.000-0.875) Too clayey (Not too clayey to Too clayey)
28B: RELAY-----	0.133 Somewhat limited 0.133 Depth to hard bedrock 0.100 Cutbanks cave
28C: RELAY-----	0.633 (0.133-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.133 Depth to hard bedrock 0.100 Cutbanks cave
28E: RELAY-----	1.000 Very limited 1.000 Slope 0.133 Depth to hard bedrock 0.100 Cutbanks cave
28UB: RELAY-----	0.133 Somewhat limited 0.133 Depth to hard bedrock 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
28UC: RELAY-----	0.633 (0.133-1.000) Somewhat limited (Somewhat limited to Very limited) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.133 Depth to hard bedrock 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
28UE: RELAY-----	1.000 Very limited 1.000 Slope 0.133 Depth to hard bedrock 0.100 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
29B: SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave
29C: SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)

Map symbol and soil name	ENG - Shallow Excavations
29UB:	
SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
29UC:	
SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
30B:	
JOPPA-----	1.000 Very limited 1.000 Cutbanks cave
SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave
31UB:	
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
SASSAFRAS-----	1.000 Very limited 1.000 Cutbanks cave
32:	
SULFAQUEPTS-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Slope Not Rated; Clay percent
33B:	
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave
CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
33C:	
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
33UB:	
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave
33UC:	
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)

Map symbol and soil name	ENG - Shallow Excavations
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
34UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave
CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.100 Cutbanks cave
34UC: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
CHRISTIANA-----	0.639 (0.100-1.000) Somewhat limited (Somewhat limited to Very limited) 0.639 (0.000-1.000) Too clayey (Not too clayey to Too clayey) 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.100 Cutbanks cave
SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
35B: SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave
35C: SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave 0.633 (0.000-1.000) Slope (No slope limitation to Slope)
36UB: SUNNYSIDE-----	1.000 Very limited 1.000 Cutbanks cave
URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
37: SULFAQUEPTS-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Slope Not Rated; Clay percent
38C: UDORTHENTS-----	0.156 (0.156-1.000) Somewhat limited (Somewhat limited to Very limited) 0.156 Depth to saturated zone 0.100 Cutbanks cave 0.031 (0.000-0.500) Too clayey (Not too clayey to Too clayey)
39B: UDORTHENTS-----	0.156 Somewhat limited 0.156 Depth to saturated zone 0.100 Cutbanks cave
39C: UDORTHENTS-----	Not Rated Not Rated; Fragments > 75mm

Map symbol and soil name	ENG - Shallow Excavations
	Not Rated; Clay percent Not Rated; Unified
39E: UDORTHENTS-----	1.000 Very limited 1.000 Slope 0.156 Depth to saturated zone 0.100 Cutbanks cave
40B: UDORTHENTS-----	Not Rated Not Rated; bulk density 0.156 Depth to saturated zone 0.100 Cutbanks cave
40C: UDORTHENTS-----	Not Rated Not Rated; bulk density 0.633 (0.000-1.000) Slope (No slope limitation to Slope) 0.156 Depth to saturated zone
40E: UDORTHENTS-----	Not Rated Not Rated; bulk density 1.000 Slope 0.156 Depth to saturated zone
41E: UDORTHENTS-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.949 (0.000-1.000) Depth to saturated zone (No wetness depth limitation to Depth to saturated zone)
42: UDORTHENTS-----	0.820 (0.600-1.000) Somewhat limited (Somewhat limited to Very limited) 0.820 (0.000-1.000) Depth to saturated zone (No wetness depth limitation to Depth to saturated zone) 0.600 Flooding 0.100 Cutbanks cave
FLUVENTS-----	0.955 Somewhat limited 0.955 Depth to saturated zone 0.600 Flooding 0.100 Cutbanks cave
42E: UDORTHENTS-----	1.000 Very limited 1.000 Cutbanks cave 1.000 (0.000-1.000) Slope (No slope limitation to Slope) 0.949 (0.000-1.000) Depth to saturated zone (No wetness depth limitation to Depth to saturated zone)
43U: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
UDORTHENTS-----	0.820 (0.600-1.000) Somewhat limited (Somewhat limited to Very limited) 0.820 (0.000-1.000) Depth to saturated zone (No wetness depth limitation to Depth to saturated zone) 0.600 Flooding 0.100 Cutbanks cave
44UC: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified

Map symbol and soil name	ENG - Shallow Excavations
45UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
WOODSTOWN-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave
46UB: URBAN LAND-----	Not Rated Not Rated; Fragments > 75mm Not Rated; Clay percent Not Rated; Unified
WOODSTOWN-----	1.000 (0.955-1.000) Very limited (Somewhat limited to Very limited) 1.000 (0.955-1.000) Depth to saturated zone 0.100 Cutbanks cave

ALL VALUES ARE ROUNDED.

