

Pile Load Capacity Maps



Pile Load Capacity Maps are used by structural engineers to design foundations. To use, please check the Map Index to locate the correct map for the subject property, then click the link below to the correct document.

Please note: While the Pile Load Capacity maps utilize the City's Zoning Base Maps, these documents should NOT be used to obtain zoning information. For Zoning information, please use the [Zoning Base Maps](#) located on the City Planning Commission's webpage.

Map Index

Map Area	ANSI Pile Classification	Pile Tip Embedment (ft)	Single Pile Capacity (Compression) tons
Maximum Allowable Single Pile Load Capacity without Investigations or Load Tests (Table 1813.12.2.3)			
GM-1	Class 9	30'	4 [^]
GM-21	Class 9	35'	5*
	Class 5	30'	5
	Class 5	35'	6
GM-2	Class 5	40'	8*
	Class 9	30'	4 [^]
GM-5, GM-3(1,2, 3a,4,7)	Class 9	35'	5
	Class 5	30'	5
	Class 5	35'	6
	Class 5	40'	7
GM-3 (3b, 6, 8)	Class 9	30'	2.5 [^]
GM-8, GM-9	Class 9	35'	3
GM-12, GM-16	Class 9	40'	4
GM-17, GM-18, GM-22	Class 5	30'	3
	Class 5	35'	4
GM-4, GM-10	Class 5	40'	5
	Class 9	18'-33'	5* [^] ♣
GM-11, GM-15	Class 5	18'-33'	8* ♣
GM-6, GM-7	Class 9	10'-25'	5* [^] ♣
GM-13, GM-14	Class 5	10'-25'	8* ♣

NOTES:

- * Pile tip embedded in sand stratum.
- [^] ANSI Class 9 piles to be used only for accessory buildings of 1,000 sq.ft. or less, or utility usage.
- ♣ The allowable capacity of these piles is governed by 1813.11.4 unless a site-specific geotechnical investigation recommends otherwise.

Areas not specifically covered in the above table or by the previously referenced maps shall require a geotechnical investigation.

Maximum Allowable Single Pile Load Capacity when Refusal Occurs (Table 1813.11.4)

Pile Tip Embedment (ft)	Maximum Allowable Single Pile Capacity (Compression), tons
7 to 10	1
11 to 20	2
21 to 30	4