

Draft

Steel H-Pile Mini-Spec

1. Provide structural steel H-piling conforming to ASTM A572, Grade 50.
2. Lengths of steel piling shown on the plans are approximate and are used solely for the comparison of bids. Splices may be used only with the Engineer's written approval.
3. Drive H-piling by means of a single acting air, steam or diesel hammer. Hammer shall be rated 7200 foot-pounds to 16,000 foot-pounds at full stroke. A vibratory hammer may be used only with the Engineer's written approval.
4. Drive piling with a variation of not more than ¼ inch per foot from vertical or batter shown on the plans.
5. Pile shall be within 3 inches of position shown on the plans.
6. Stop pile driving when bearing value shown on the plans, or practical refusal, is obtained. If pile tip elevation differs by more than one foot from the elevation shown on the plans immediately notify the Engineer. Based on the hammer used, the Engineer will define practical refusal in writing.
7. Pile bearing value is calculated using the following dynamic formula:

$P = 2WH / (S + 0.1)$ where:

P = Bearing value (pounds).

S = Average penetration per blow (inches) for the last 10, or more, blows.

W = Weight (pounds) of falling parts of hammer.

H = Height of fall (feet).

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Notes: Mini-specs are intended for projects for in-house use that also have in-house design and construction management.

Contractor is selected from invited, qualified bidders.

Projects are located on sites having known geotechnical conditions.



Pipe Bridge for Polyethylene Lines Over Active Railroad Spur

