

INLET STRUCTURE COMPRESSIVE PILE CAPACITIES

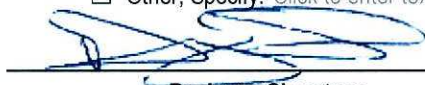


IE QMS - Americas

Independent Technical Review


Project Name	Lake Maurepas Diversion	Client	CPRA
Project Location	St. John the Baptist	PM	Naveen Chillara
Project Number	10001876	PIC	Mike Patorno

Identifying Information	(This section is to be completed by the Project Manager or the PM's Designee.)	
	<p>Assigned Reviewer: Dwayne Smith Comments Required by: June 18, 2013</p> <p>Work Product Originator: Ignacio Harrouch</p> <p>Work Product to be Reviewed: Pile capacities</p> <p>Review Scope: Check for technical completeness and applicability</p> <p>Specific Instructions: Check for proper pile types, lengths, applicability, and report adequacy, validity and completeness</p> <p>Submitted by:  9/30/13</p> <p style="text-align: center;">Project Manager Signature Date</p>	

Comments	(This Section is to be completed by the Reviewer.)	
	<p>Select:</p> <p>A. <input checked="" type="checkbox"/> Reviewer has no comments.</p> <p>or</p> <p>B. <input type="checkbox"/> Comments have been provided on:</p> <p style="margin-left: 40px;"><input type="checkbox"/> Marked directly on work product</p> <p style="margin-left: 40px;"><input type="checkbox"/> Comment and Disposition Form 3-5</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other; Specify: Click to enter text.</p> <p style="text-align: center;"> 6/18/2013</p> <p style="text-align: center;">Reviewer Signature Date</p>	

Verification	(This section is to be completed by the Reviewer after verification of comment incorporation, if box B is checked off above.)	
	<p>Select:</p> <p>C. <input type="checkbox"/> Verification of comment incorporation has been performed by Reviewer. There are no outstanding issues.</p> <p>or</p> <p>D. <input type="checkbox"/> Verification of comment incorporation has been performed by Reviewer. Unresolved issues have been submitted to the Project Manager or Designee for resolution.</p> <p>and</p> <p>E. <input type="checkbox"/> Reviewer asserts that the work product ITR is complete.</p> <p style="text-align: center;">_____ Reviewer Signature Date</p>	

APPROVAL and DISTRIBUTION

<input checked="" type="checkbox"/> ITR is complete. 	9/30/13 Click here to enter a date.
_____ Project Manager or Designee Signature	_____ Date

Distribution:

Project Central File – Quality File Folder
Other – Specify: Enter names here.



IE QMS - Americas

Detail Check

Project Name	Lake Maurepas Diversion	Client	CPRA
Project Location	St. John the Baptist Parish, LA	PM	Naveen Chillara
Project Number	10001876	PIC	Mike Patorno

Identifying Information	<p>(This section is to be completed by the Project Manager or the PM's Designee.)</p> <p>Assigned Checker: Graham Forsythe Comments Required by: June 18, 2013</p> <p>Work Product Originator: Ignacio Harrouch</p> <p>Work Product to be Checked: Pile capacities</p> <p><input checked="" type="checkbox"/> This Detail Check is a check for correctness, completeness and technical accuracy.</p> <p><input type="checkbox"/> This Detail Check is only a technical edit for format, spelling, grammar, pagination and readability.</p> <p>Specific Instructions: Enter specific instructions for the work product.</p> <p>Submitted by: <u></u> <u>9/30/13</u></p> <p style="text-align: center;">Project Manager Signature Date</p>	
	Comments	<p>(This Section is to be completed by the Checker.)</p> <p>Select:</p> <p>A. <input checked="" type="checkbox"/> Checker has no comments.</p> <p>or</p> <p>B. <input type="checkbox"/> Comments have been provided on:</p> <p style="margin-left: 40px;"><input type="checkbox"/> Marked directly on work product</p> <p style="margin-left: 40px;"><input type="checkbox"/> Comment and Disposition Form 3-5</p> <p style="margin-left: 40px;"><input type="checkbox"/> Other; Specify: Discussed with originator</p> <p style="text-align: center;"><u></u> <u>6/18/2013</u></p> <p style="text-align: center;">Checker Signature Date</p>
Verification		<p>(This section is to be completed by the Checker after verification of comment incorporation, if box B is checked off above.)</p> <p>Select:</p> <p>C. <input type="checkbox"/> Verification of comment incorporation has been performed by Checker. There are no outstanding issues.</p> <p>or</p> <p>D. <input type="checkbox"/> Verification of comment incorporation has been performed by Checker. Unresolved issues have been submitted to the Project Manager or Designee for final resolution.</p> <p>and</p> <p>E. <input type="checkbox"/> Checker asserts that the work product review is complete.</p> <p style="text-align: center;">_____ Checker Signature Date</p>

APPROVAL and DISTRIBUTION

☒ Detail Check is complete.

 9/30/13

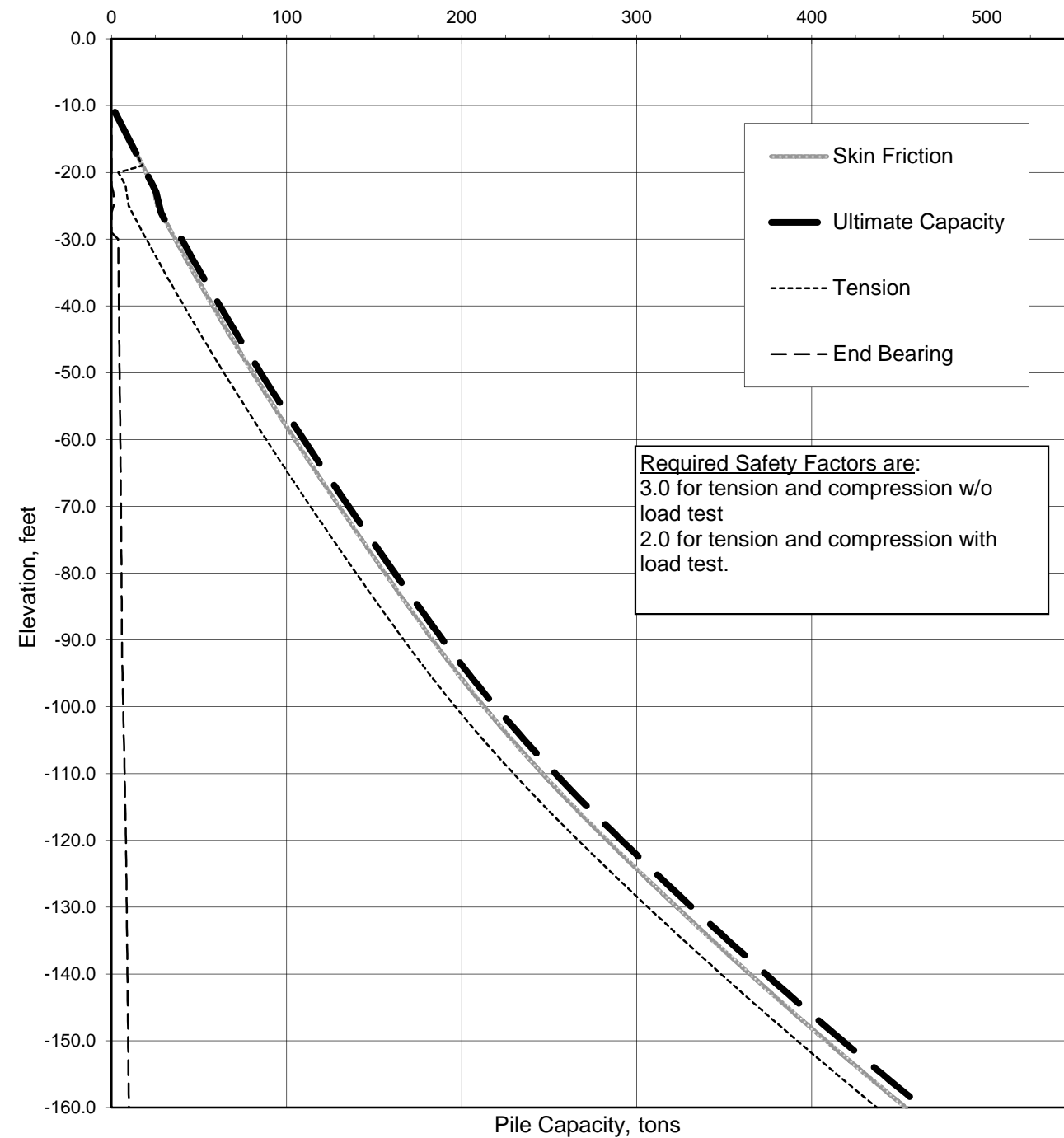
Project Manager or Designee Signature Date

Click here to enter a date.

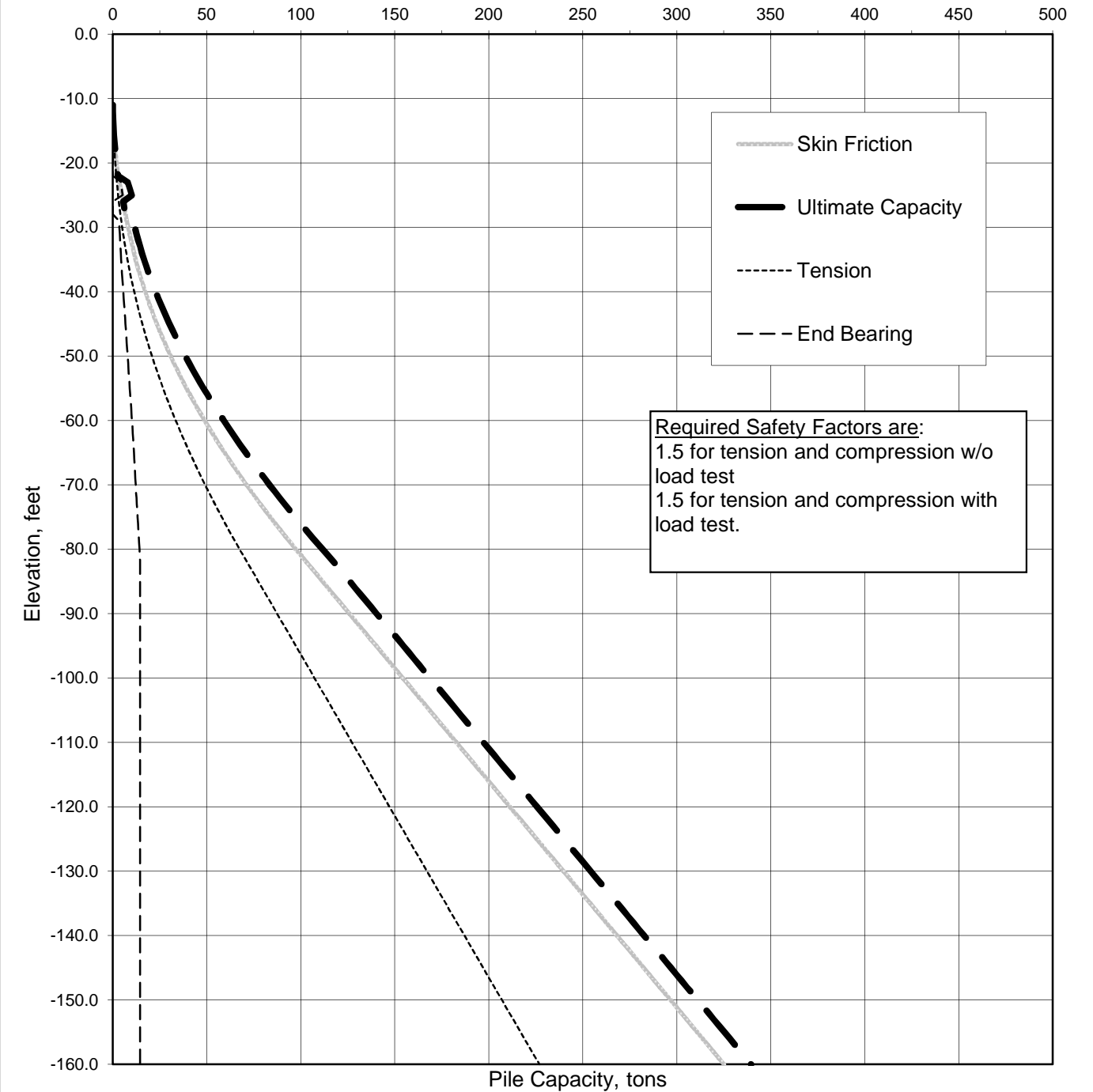
Distribution:

Project Central File – Quality File Folder
Other – Specify: Enter names here.

Undrained Strength Case with HP 14x73 Pile

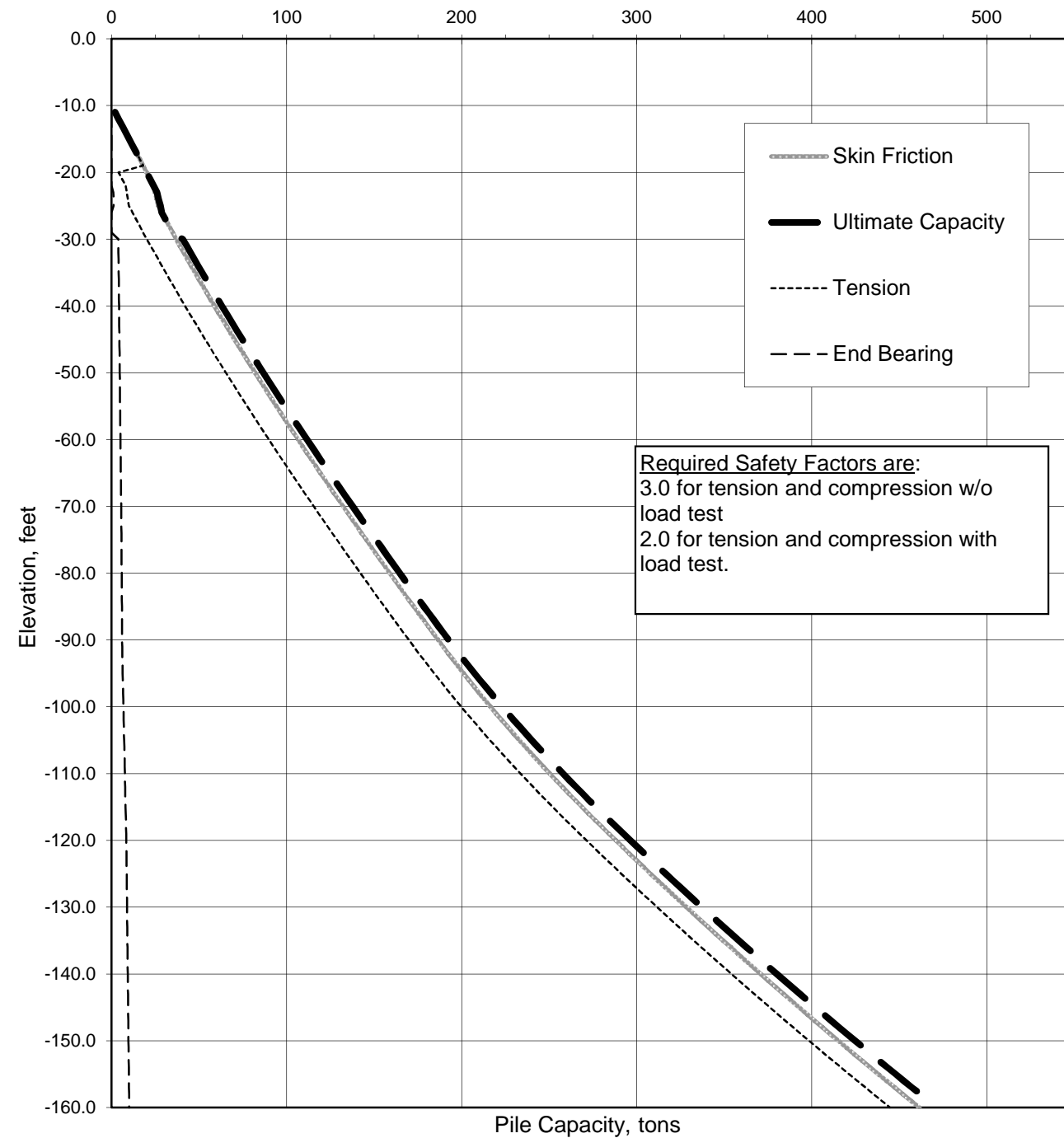


Drained Strength Case with HP 14x73 Pile

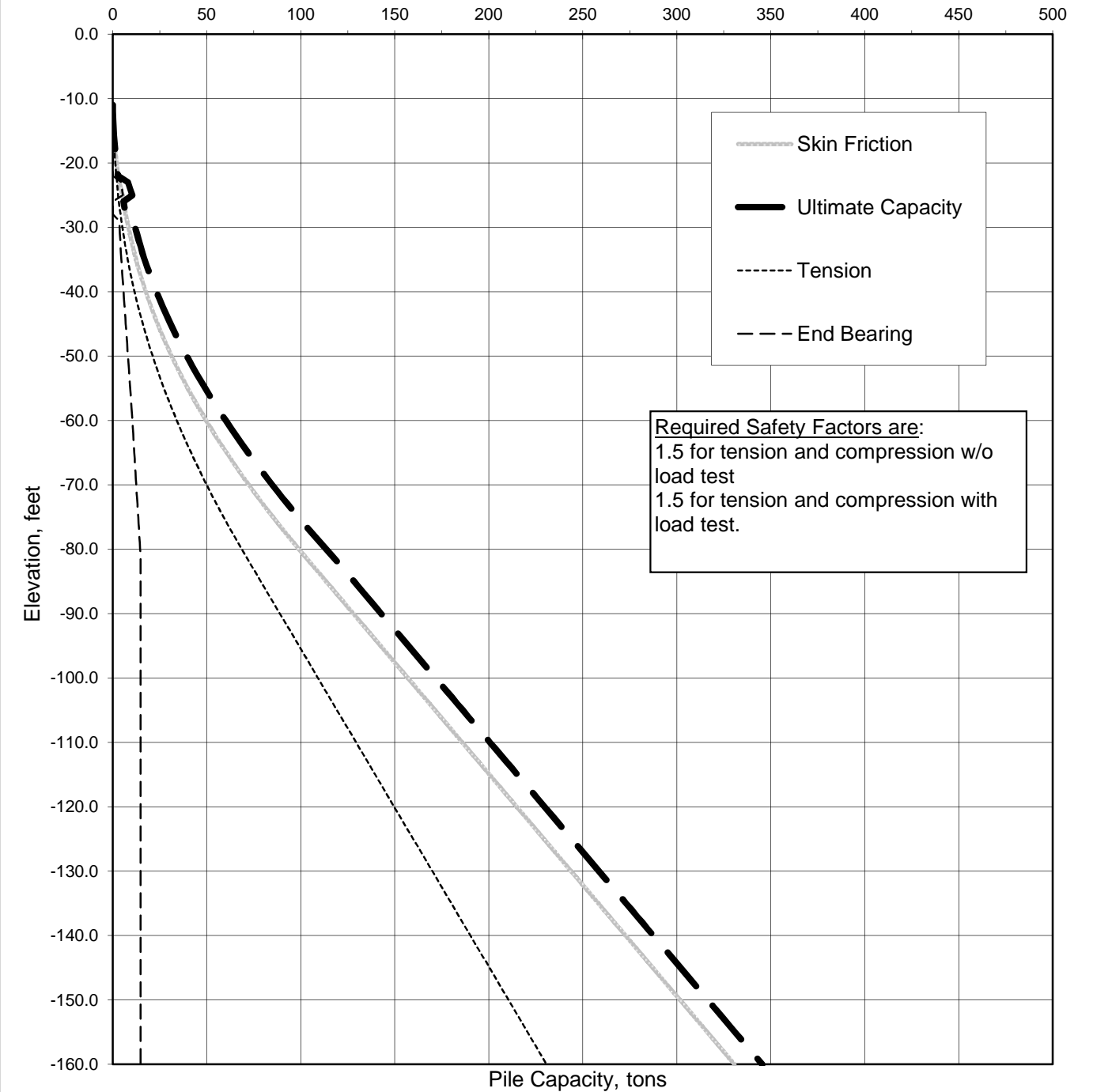


- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity

Undrained Strength Case with HP 14x89 Pile

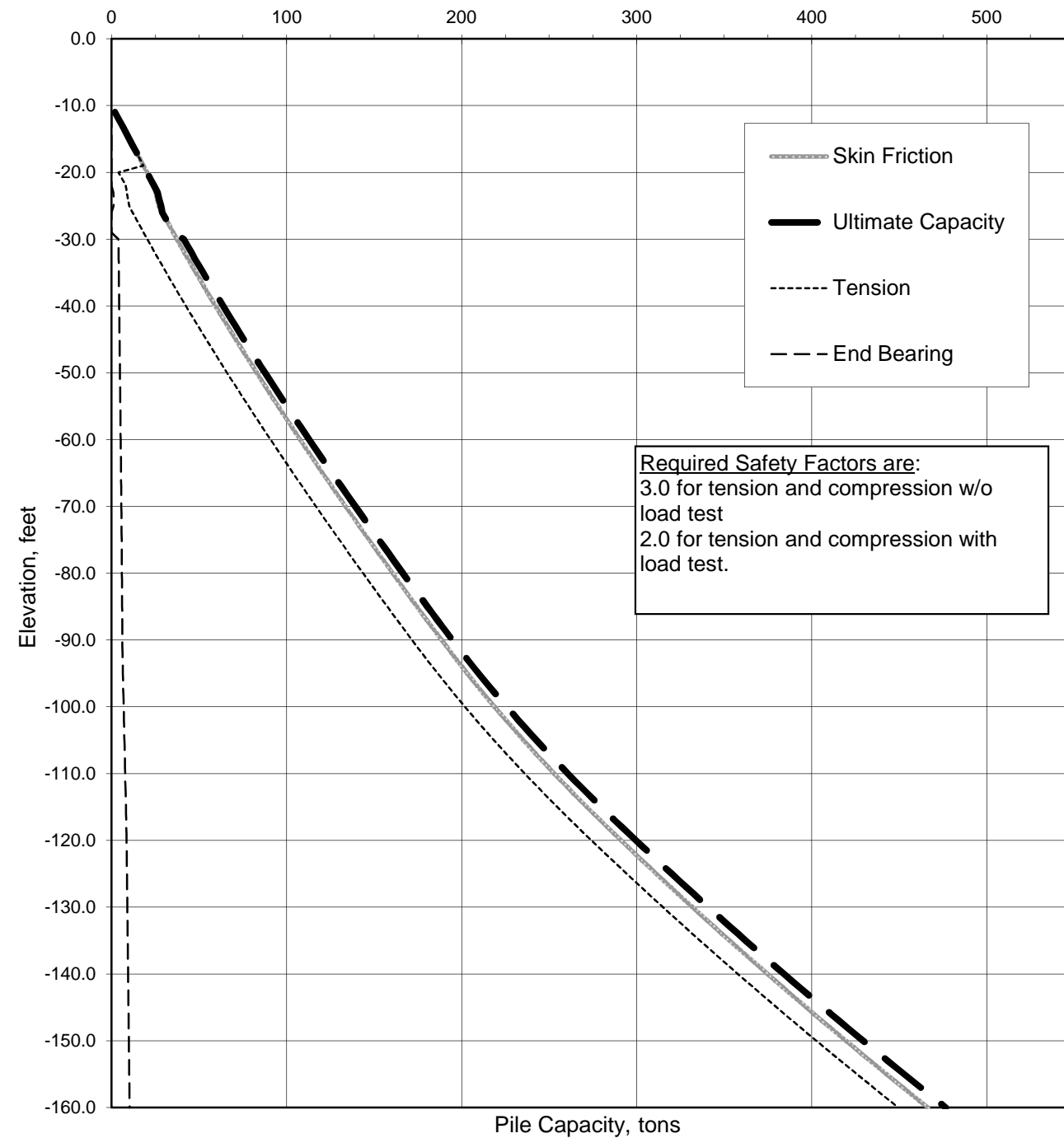


Drained Strength Case with HP 14x89 Pile

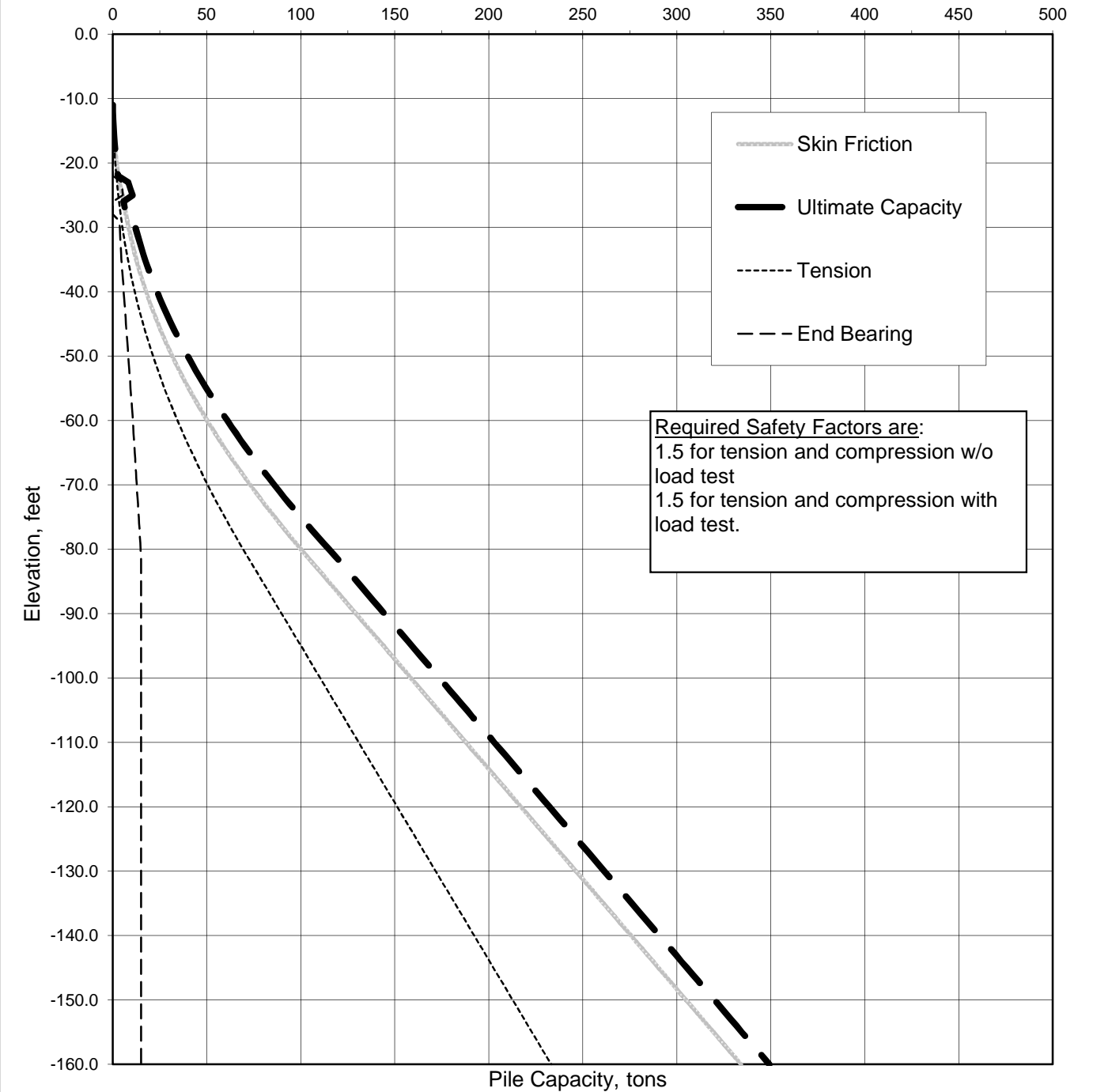


- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity

Undrained Strength Case with HP 14x102 Pile

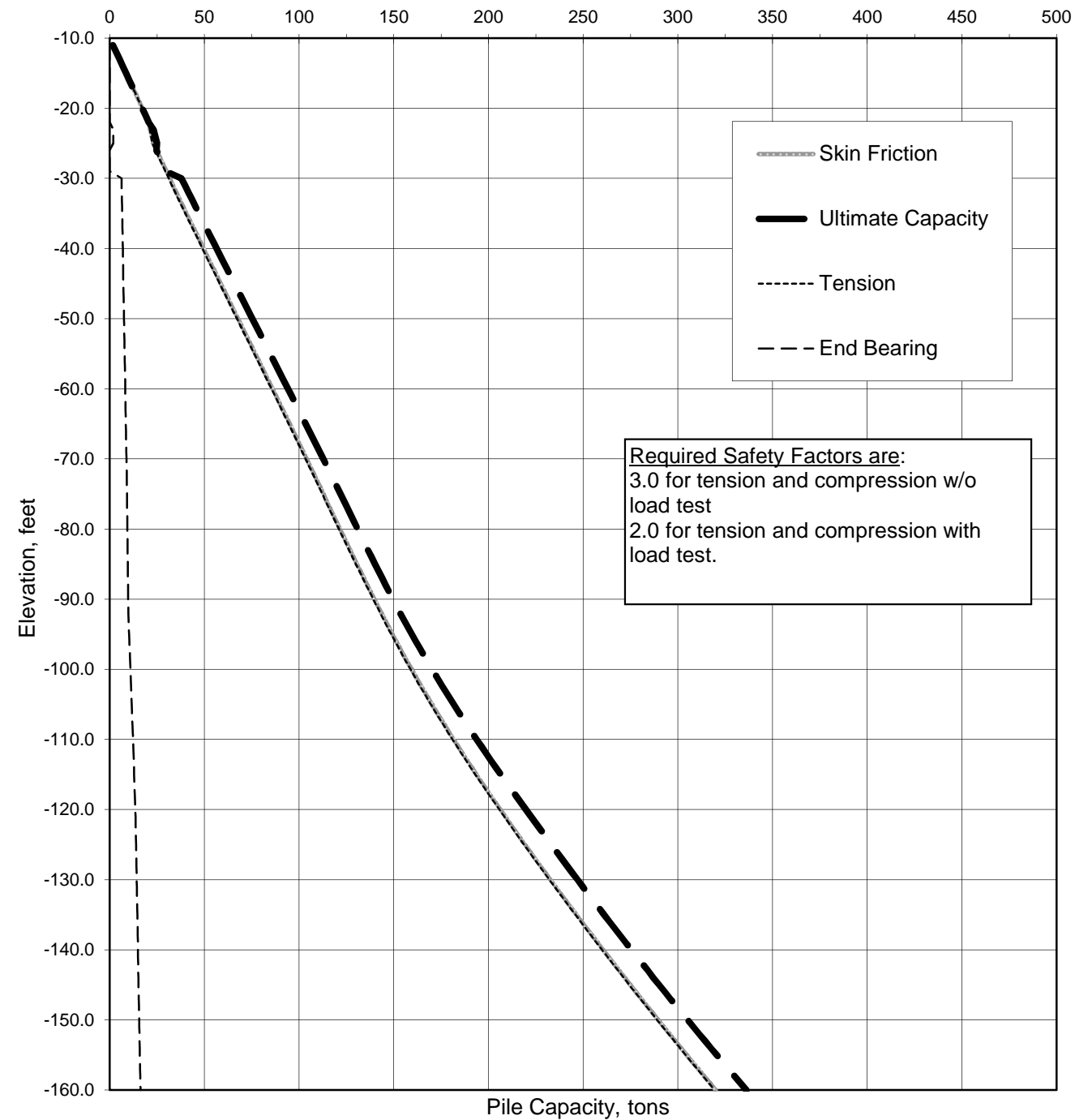


Drained Strength Case with HP 14x102 Pile

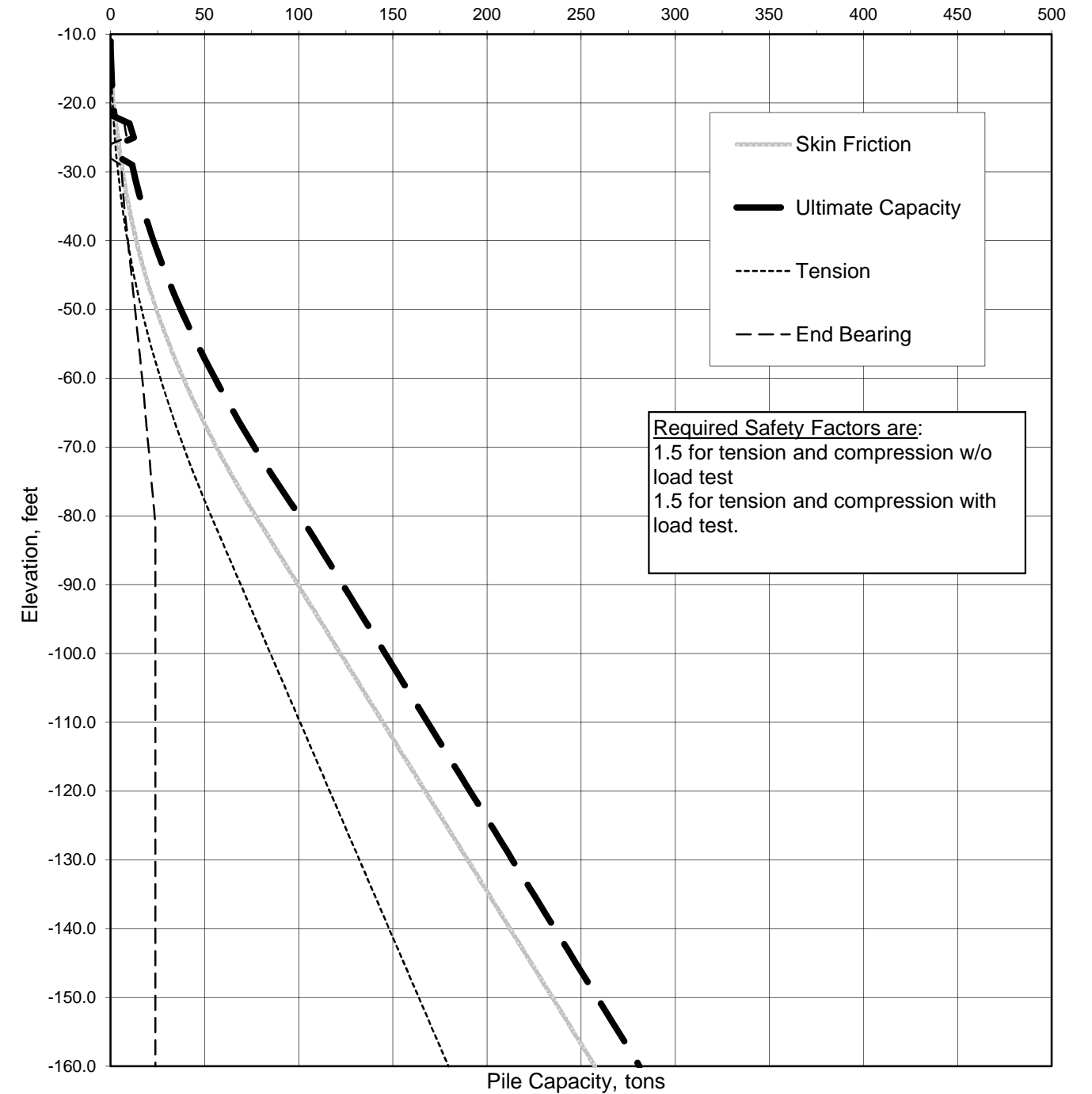


- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity

Undrained Strength Case with PPCP - 14 inch

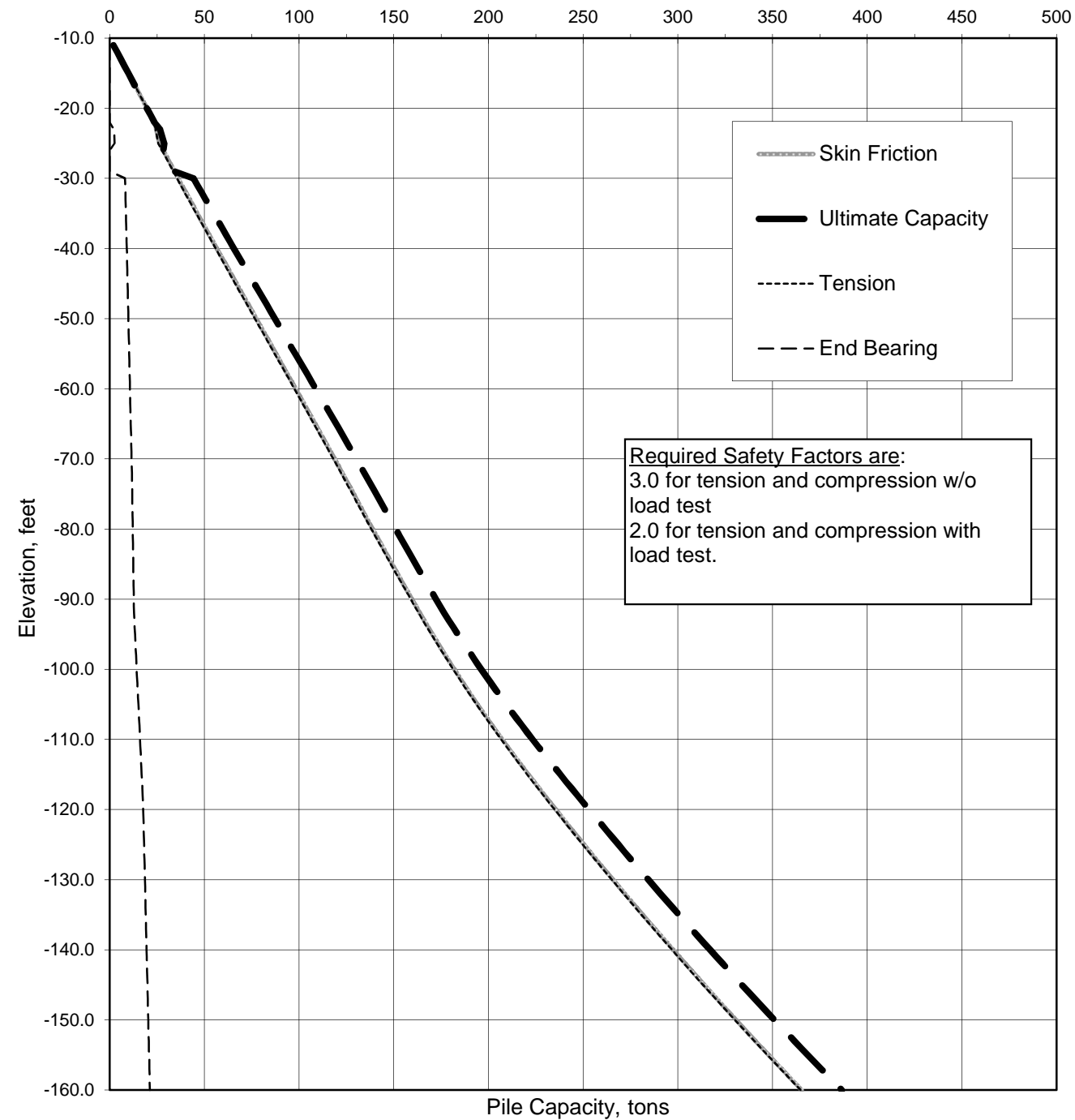


Drained Strength Case with PPCP - 14 inch

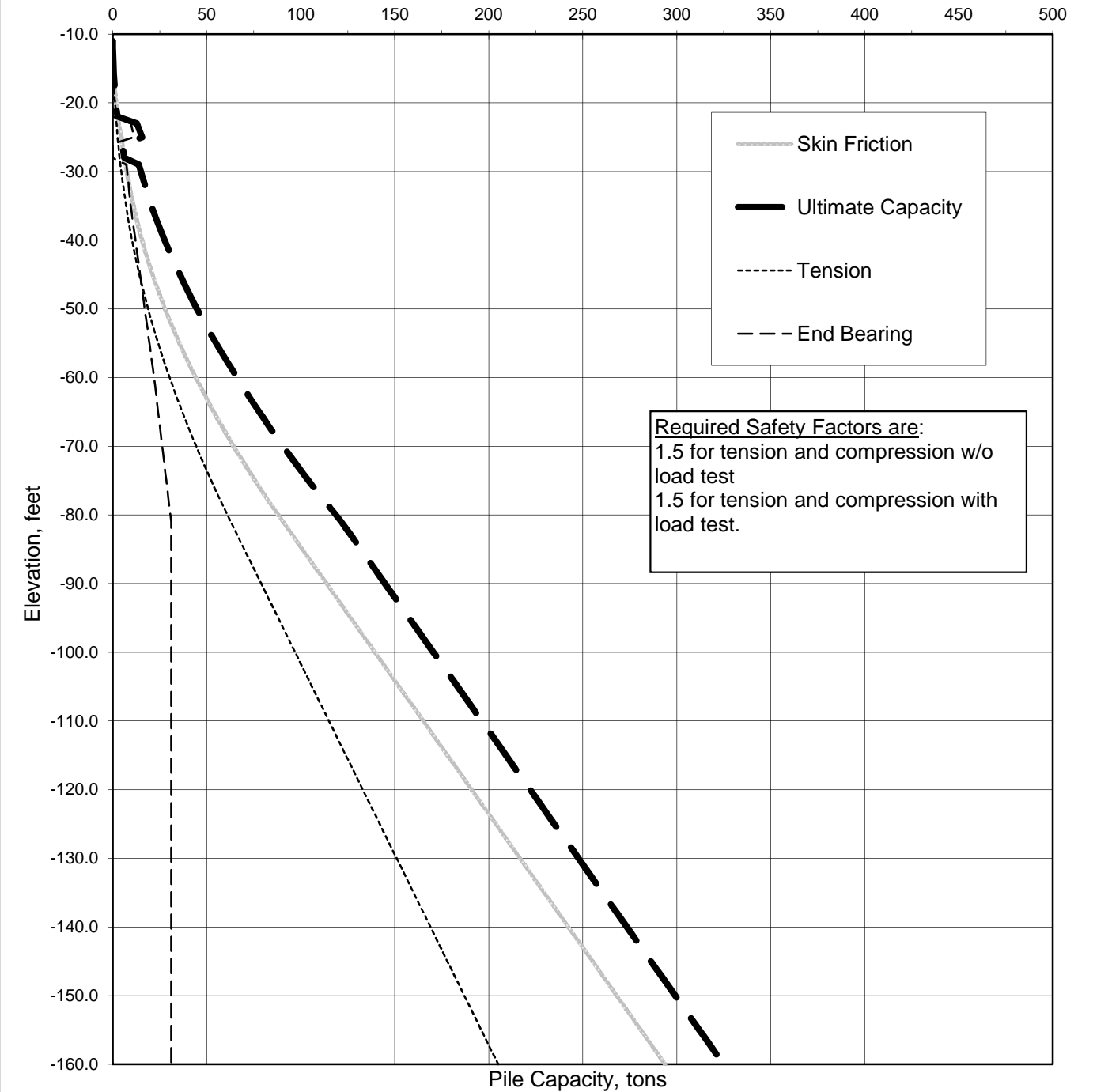


- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity

Undrained Strength Case with PPCP - 16 inch

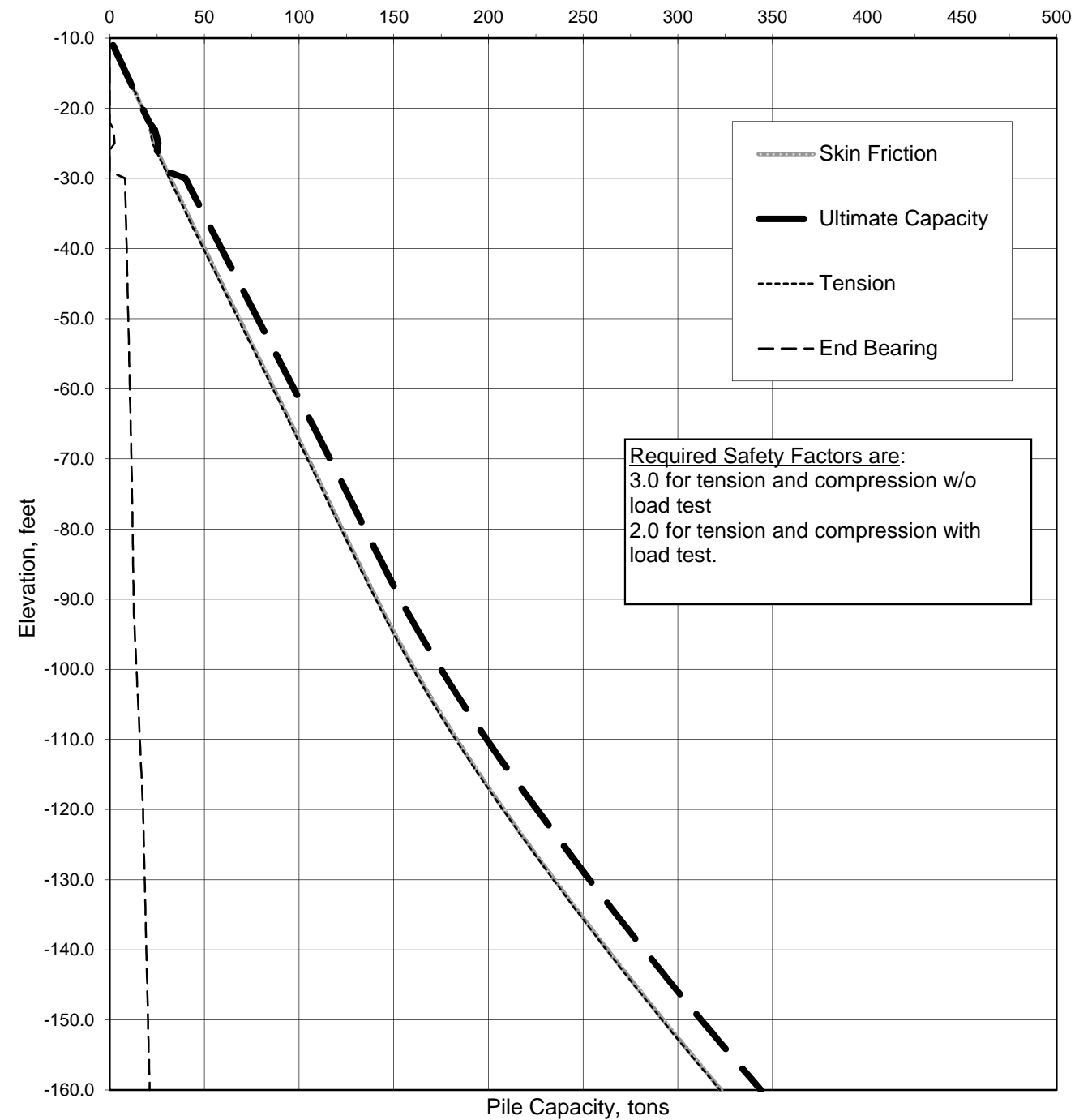


Drained Strength Case with PPCP - 16 inch

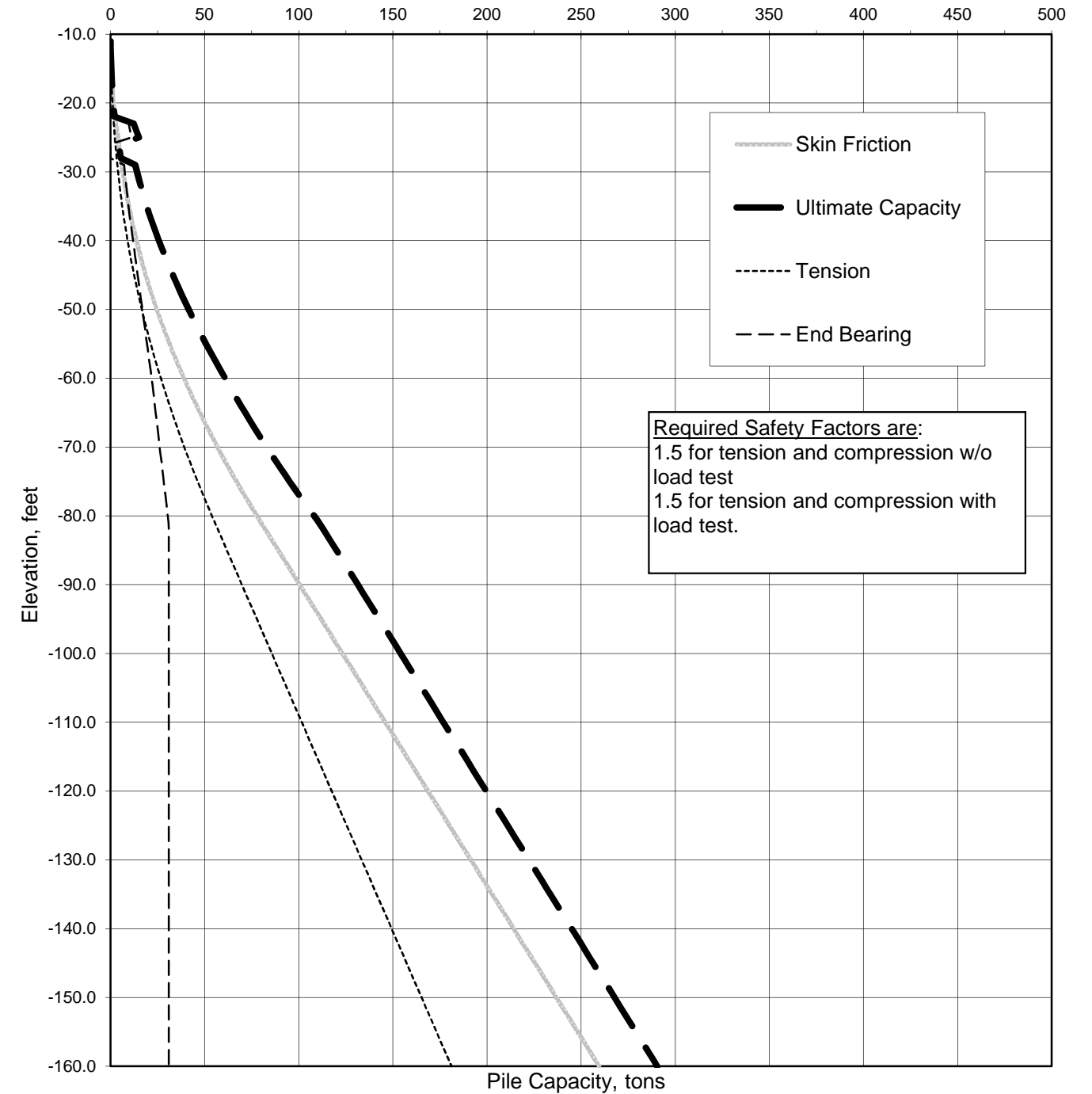


- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity

Undrained Strength Case with PIPE PILE - 18 inch



Drained Strength Case with PIPE PILE - 18 inch



- Notes:
1. Pile capacity curves represent axial resistance for a single pile and do not consider group effects.
 2. Curves indicate Ultimate Capacity; the appropriate safety factors should be applied to arrive at the Allowable Capacity