

**SECTION 7.14**  
**TEMPORARY SHEET PILING**

**7.14.01--Description:** Temporary sheet piling shall be constructed where shown on the plans. This sheet piling shall be removed upon completion of the permanent work, except that some sections may be left in place when so ordered by the Engineer. For purposes of this specification, temporary sheet piling shall be any type of adequately braced sheet pile wall which the Contractor elects to build to satisfy, and which does satisfy, the condition that existing facilities be properly retained during excavation for the placement of substructure or other facilities.

**7.14.02--Materials:** Materials of steel sheet piling shall conform to the requirement of ASTM A 328. Timber sheet piling shall conform to the requirements of Subarticle M.09.01-1. Materials other than steel or timber, or a combination of these may be used provided they are properly designed for the purpose intended.

**7.14.03--Construction Methods:** Temporary sheet piling shall be safely designed and shall be carried to adequate depths and braced as necessary for proper performance of the work. Construction shall be such as to permit excavation as required. Interior dimensions shall be such as to give sufficient clearance for construction of forms and their inspection and for batter pile clearance when necessary. Movements of sheet piling or bracing which prevent the proper completion of the substructure shall be corrected at the sole expense of the Contractor. No part of the temporary sheet piling or bracing shall be allowed to extend into the substructure without written permission of the Engineer.

Working drawings and design calculations for temporary sheeting shall be submitted in accordance with the requirements of Article 1.05.02(2). The working drawings and design calculations shall be prepared, sealed, and signed by a Professional Engineer, licensed in the state of Connecticut. The furnishing of such plans shall not serve to relieve the Contractor of any part of his responsibility for the safety of the work or for the successful completion of the project.

Unless otherwise ordered by the Engineer, all parts of the temporary sheet piling shall be removed upon completion of the work for which it was provided. The excavation shall be backfilled and properly compacted, prior to removal of piling unless otherwise permitted by the Engineer. Sheet piling may be left in place at the option of the Contractor if so permitted by the Engineer, provided that it is cut off at an elevation as directed by the Engineer and the cutoffs removed from the site.

**7.14.04--Method of Measurement:** Temporary sheet piling will be measured for payment by the number of square meters of temporary sheet piling completed and accepted, as computed from the horizontal and vertical payment lines shown on the plans or as ordered. If no payment limits are shown on the plans, the limits used for payment will be the actual horizontal limit of temporary sheet piling installed and accepted, and the vertical limit as measured from the bottom of the exposed face of the sheeting to the top of the retained earth behind the sheeting.

No measurement will be made of end extensions or returns necessary for the safety of the retained facility. Sheeting ordered left in place by the engineer shall be measured in accordance with Article 7.15.04.

Sheet piling left in place solely at the Contractor's option, with the Engineer's permission, will not have an additional payment at the contract unit price per square meter for "Sheet Piling Material Left in Place."

**7.14.05--Basis of Payment:** Payment for this work will be made at the contract unit price per square meter for "Temporary Sheet Piling," measured as described above, which price shall include all materials, equipment and labor incidental to the construction and removal of the temporary sheet piling required at the locations specified on the plans. Sheet piling ordered left in place will have an additional payment at the contract unit price per square meter for "Sheet Piling Left in Place."

Pay Item	Pay Unit
Temporary Sheet Piling	m <sup>2</sup>