

SECTION 622 PERMANENT STEEL SHEET PILES

622.01 Description. This work consists of furnishing and placing untreated steel sheet piles.

622.02 Materials. Steel sheet piles shall be manufactured steel conforming to the requirements of AASHTO M 202/M 202M unless otherwise shown on the Plans.

All steel piles shall be straight and true at the time of driving. Pile camber and sweep shall be within the permissible mill tolerances.

622.03 Construction Methods. Construction shall not begin on the steel sheet pile bulkhead wall until all muck excavation in the immediate and adjacent area is completed and Borrow Type B is placed to the elevations shown on the Plans.

Sheet pile units shall be placed to full penetration and shall attain firm bearing in their final position. Jetting is prohibited. Sheet piles shall be placed to form a permanent tight structure and shall be cut off at, or driven to, the elevation shown on the Plans, or as directed. All pile cut-off material shall become the Contractor's property and shall be removed from the Project site.

622.04 Method of Measurement. The quantity of steel sheet piles will be measured in the field by determining the actual number of square feet (square meters) of steel sheet piles placed and accepted, after cut-off. The cut-off portion of piles will not be measured for payment. The horizontal measurement of the completed installation shall be taken on a straight line between interlocks (the nominal or published width), not around the perimeter of the sheet pile units. The vertical measurement shall be taken from the tip elevation to the cut-off, or top elevation.

622.05 Basis of Payment. The quantity of steel sheet piles will be paid for at the Contract unit price per square foot (square meter). Price and payment will constitute full compensation for furnishing, placing, and cutting off the sheet piles; and for all labor, tools, equipment, and incidentals required to complete the work.