

SECTION 314116 – STEEL SHEET PILING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.

1.2 SUMMARY

- A. Provide all labor, materials and equipment as necessary to complete all work as indicated on the Drawings and specified herein.
- B. This section includes sheet piling for the temporary protection of utilities, structures and property during construction.

1.3 DESIGN AND PERFORMANCE REQUIREMENTS

- A. Perform the structural design of the steel sheet piling and provide the material and labor as determined by the structural design, but no less than the minimum requirements specified herein.
- B. Owner may order additional bracing, strength, or depth for adequacy of the sheet piping. These additions shall not be the cause for claim for additional cost to the contract. Neither shall they relieve Contractor of their responsibility for the sufficiency of the strength of the system.

1.4 SUBMITTALS

- A. Shop Drawings:
 - 1. Sheet piling and bracing type.
 - 2. Material strength.
 - 3. Bracing system.
 - 4. Location and depth.
- B. Submit structural calculations for review upon request. Review shall not relieve Contractor of design responsibility.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. General: Supply all necessary steel sheet piling, waters, braces, connections, and equipment as necessary to construct the sheet piling work.

PART 3 - EXECUTION

3.1 SHORING AND UNDERPINNING

- A. Contractor shall design, furnish, install, and maintain sheeting, bracing, and shoring required to properly support the sides of excavation and to prevent movement of earth which could in any way damage the work under construction, existing utilities and structures, and adjacent property.
- B. If the Project Representative is of the opinion that sufficient or proper supports have not been provided at any point, additional supports may be ordered, at the expense of the Contractor. Neither the placing of such additional supports by the order of the Project Representative nor the failure of the Project Representative to order such additional supports placed shall release the Contractor from the responsibility of the adequacy of such supports and the integrity of the Work.
- C. In the removing of sheeting and bracing, special care shall be taken to prevent caving of the sides of the excavation and damage to the completed work or adjacent property.
- D. Removal of sheet piling shall not damage waterproofing applied to the exterior of concrete walls.
- E. Should Contractor choose to allow the sheet piling to remain in place, no additional price shall be added to the Contract.

END OF SECTION 314116