

SECTION 02251 - SHORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Shoring at excavations and building structural and non-structural elements required to provide temporary support during excavating, demolition, and construction operations.
2. Temporary protection including without limits for construction workers, materials, existing construction other adjacent properties, and public.

B. Related Requirements:

1. Section 01700 - Execution Requirements: Requirements and limitations for cutting and patching Work.
2. Section 01731 - Cutting and Patching.
3. Section 02023 - Selective Site Demolition: Procedures for demolition and removal of existing building elements.

1.2 DESIGN REQUIREMENTS

- A. Design and provide shoring to safely prevent collapse of materials and structures and to permit construction operations to proceed in conformance with construction sequence phases indicated on Drawings.

1.3 QUALITY ASSURANCE

- A. Provide design of shoring by professional civil or structural engineer licensed in State in which project is located. Send design to Walmart Construction Manager for documentation of this service.
- B. Coordinate shoring design and construction with:
 1. Soil Investigation Report prepared for this project (if applicable).
 2. Building structural system, including without limits to locations of footings, columns, pilasters, walls, and other related structural elements.
- C. Comply with pertinent requirements of Authorities Having Jurisdiction (AHJ).
- D. The Contractor shall be responsible for means and methods of shoring and temporary support and for the sequences and procedures to be used.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Provide materials as required for shoring system design.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surfaces and adjacent areas where Work under this Section will be performed. Do not proceed with Work until unsatisfactory conditions have been corrected.
- B. Starting Work constitutes acceptance of existing conditions. Be responsible for correcting unsatisfactory and defective Work encountered after starting Work.

3.2 INSTALLATION

- A. Install shoring system in accordance with shoring design drawings.
- B. Coordinate placement of shoring system elements with existing Work and approved demolition procedures as specified in Section 02023.
- C. Perform cutting and patching required by installation of shoring in accordance with approved Cutting and Patching Procedures and Sequencing Plan as specified in Section 01731.

3.3 FIELD QUALITY CONTROL

- A. Shoring Design Engineer: Inspect and approve shoring materials and installation prior to start of any demolition work.
- B. Submit inspection report to Walmart Construction Manager.

END OF SECTION