

## 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