

SECTION 02 41 19
DEMOLITION

Exhibit D - Demolition

SECTION 02 41 19 DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Preparation.
 - 2. Salvage requirements.
 - 3. Demolition.

1.2 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Demolition Schedule: Indicate overall schedule and interruptions required for utility and building services.
- C. Shop Drawings:
 - 1. Indicate demolition and removal sequence.
 - 2. Indicate location of items designated for reuse and Owner's retention.
 - 3. Indicate location and construction of temporary work.

1.3 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for submittals.
- B. Project Record Documents: Accurately record actual locations of capped utilities, concealed utilities discovered during demolition, and subsurface obstructions.

1.4 QUALITY ASSURANCE

- A. Conform to applicable codes and regulations for demolition work, dust control, and products requiring electrical disconnection and re-connection.
- B. Conform to applicable codes and regulations for procedures when hazardous or contaminated materials are discovered.
- C. Obtain required permits from authorities having jurisdiction.
- D. Perform Work in accordance with federal, state, and local regulations.

1.5 SEQUENCING

- A. Section 01 10 00 - Summary: Requirements for sequencing.

Exhibit D - Demolition

- B. Owner may conduct salvage operations before demolition begins to remove materials Owner chooses to retain.

1.6 SCHEDULING

- A. Section 01 30 00 - Administrative Requirements: Requirements for scheduling.
- B. Schedule Work to coincide with new construction.
- C. Cooperate with Owner in scheduling noisy operations and waste removal that may impact Owners operation in adjoining spaces.
- D. Coordinate utility and building service interruptions with Owner.
 - 1. Do not disable or disrupt building fire or life safety systems without five (5) days prior written notice to Owner.
 - 2. Schedule tie-ins to existing systems to minimize disruption.

1.7 PROJECT CONDITIONS

- A. Conduct demolition to minimize interference with adjacent facilities.
- B. Cease operations immediately if structure appears to be in danger and notify Engineer. Do not resume operations until directed.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 PREPARATION

- A. Notify affected utility companies before starting work and comply with applicable requirements.
- B. Mark location and termination of utilities.
- C. Erect, and maintain temporary barriers and security devices, including warning signs and lights, and similar measures, for protection of the public, Owner, and existing improvements indicated to remain.
- D. Layout cuts in post tensioned concrete elements to avoid cutting concrete within 12 inches of any stressing tendon. Notify Engineer five (5) days in advance of cutting post-tensioned concrete.
- E. Erect and maintain weatherproof closures for exterior openings.
- F. Provide and maintain temporary measures to prevent spread of dust, odors, and noise.

Exhibit D - Demolition

- G. Prevent movement of existing structures, utilities, or other facilities pertaining or adjacent to demolition activities; provide temporary bracing and shoring required.
- H. Do not close or obstruct building egress path.

3.2 SALVAGE REQUIREMENTS

- A. Coordinate with Owner to identify components and equipment required to be removed and delivered to Owner.
- B. Tag components and equipment Owner designates for salvage.
- C. Protect designated salvage items from demolition operations until items can be removed.
- D. Carefully remove components and equipment indicated to be salvaged.
- E. Disassemble as required to permit removal.
- F. Package small and loose parts to avoid loss.
- G. Mark equipment and packaged parts to permit identification and consolidation of components of each salvaged item.
- H. Prepare assembly instructions consistent with disassembled parts. Package assembly instructions in protective envelope and securely attach to each disassembled salvaged item.
- I. Deliver salvaged items to Owner. Obtain signed receipt from Owner.

3.3 DEMOLITION

- A. Conduct demolition and/or removal operations, and the removal of equipment and debris to ensure minimum interference with roadways, walkways, and parking areas both onsite and offsite, and to ensure minimum interference with occupied or used facilities.
- B. Coordinate demolition activities to minimize impacts with Owner's operations.
- C. Maintain protected egress from and access to adjacent existing buildings and parking areas at all times.
- D. Do not close or obstruct roadways, driveways, parking areas, or sidewalks without prior written approval from the Engineer.
- E. Cease operations immediately when any structure or facility appears to be in danger and notify Engineer.

Exhibit D - Demolition

- F. Partial demolition of existing concrete structures and slabs shall include saw cutting in neat, orderly lines.
- G. Disconnect and remove designated utilities within demolition areas.
- H. Cap and identify abandoned utilities at termination points when utility is not completely removed. Annotate Record Drawings indicating location and type of service for capped utilities remaining after demolition.
- I. Demolish in orderly and careful manner. Protect existing improvements and facilities.
- J. Carefully remove components indicated to be reused.
 - 1. Disassemble components as required to permit removal.
 - 2. Package small and loose parts to avoid loss.
 - 3. Mark components and packaged parts to permit reinstallation.
 - 4. Store components, protected from construction operations, until reinstalled.
- K. Remove demolished materials from site except where specifically noted otherwise. Do not burn or bury materials on site.
- L. Remove materials as Work progresses. Upon completion of Work, leave areas in clean condition.
- M. Remove temporary Work.

END OF SECTION