1. Section 024100   
   Demolition
   1. PART 1  GENERAL
      1. SECTION INCLUDES
         1. Selective demolition of built site elements.
         2. Selective demolition of building elements for alteration purposes.
      2. RELATED REQUIREMENTS
         1. Section 011000 - Summary:  Limitations on Contractor's use of site and premises.
         2. Section 011000 - Summary:  Description of items to be salvaged or removed for re-use by Contractor.
         3. Section 015000 - Temporary Facilities and Controls:  Site fences, security, protective barriers, and waste removal.
         4. Section 016000 - Product Requirements:  Handling and storage of items removed for salvage and relocation.
         5. Section 017000 - Execution and Closeout Requirements:  Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.
         6. Section 312200 - Grading:  Rough and fine grading.
         7. Section 312323 - Fill:  Fill material for filling holes, pits, and excavations generated as a result of removal operations.
      3. DEFINITIONS
         1. Demolition:  Dismantle, raze, destroy or wreck any building or structure or any part thereof.
         2. Remove:  Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.
         3. Remove and Salvage:  Detach or dismantle items from existing construction in a manner to prevent damage.  Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.
         4. Remove and Reinstall:  Detach or dismantle items from existing construction in a manner to prevent damage.  Clean and prepare for reuse and reinstall where indicated.
         5. Existing to Remain:  Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.
   2. PART 2  PRODUCTS ​-- NOT USED​
   3. PART 3  EXECUTION
      1. DEMOLITION
         1. Remove paving and curbs required to accomplish new work.
         2. Remove other items indicated, for salvage, relocation, recycling, and \_\_\_\_\_\_.
         3. Fill excavations, open pits, and holes in ground areas generated as result of removals, using specified fill; compact fill as specified in Section 312200.
      2. GENERAL PROCEDURES AND PROJECT CONDITIONS
         1. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
            1. Obtain required permits.
            2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
            3. Provide, erect, and maintain temporary barriers and security devices.
            4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
            5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
            6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
            7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.
         2. Do not begin removal until receipt of notification to proceed from Owner.
         3. Protect existing structures and other elements to remain in place and not removed.
            1. Provide bracing and shoring.
            2. Prevent movement or settlement of adjacent structures.
            3. Stop work immediately if adjacent structures appear to be in danger.
         4. Partial Removal of Paving and Curbs:  Neatly saw cut at right angle to surface.
      3. EXISTING UTILITIES
         1. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and obtain required permits.
         2. Protect existing utilities to remain from damage.
         3. Do not disrupt public utilities without permit from authority having jurisdiction.
         4. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.
         5. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.
         6. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
         7. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.
      4. SELECTIVE DEMOLITION FOR ALTERATIONS
         1. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
            1. Verify construction and utility arrangements are as indicated.
            2. Report discrepancies to Architect before disturbing existing installation.
            3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
         2. Remove existing work as indicated and required to accomplish new work.
            1. Remove items indicated on drawings.
         3. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications:  Remove existing systems and equipment as indicated.
            1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
            2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
            3. Verify that abandoned services serve only abandoned facilities before removal.
            4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
         4. Protect existing work to remain.
            1. Prevent movement of structure. Provide shoring and bracing as required.
            2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
            3. Repair adjacent construction and finishes damaged during removal work.
            4. Patch to match new work.
      5. DEBRIS AND WASTE REMOVAL
         1. Remove debris, junk, and trash from site.
         2. Leave site in clean condition, ready for subsequent work.
         3. Clean up spillage and wind-blown debris from public and private lands.
2. END OF SECTION

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