SECTION 02 43 17
REMOVAL AND RESTORATION OF EXISTING FACILITIES

PART 1 - GENERAL

1.01 DESCRIPTION

A. This section specifies removing, restoring and reinstalling miscellaneous facilities on public and private property which are removed during construction.

B. Related Work Specified Elsewhere:
   1. Demolition: Section 02 41 00.
   2. Base for pavements: Section 32 10 00.
   3. Bituminous pavement: Section 32 12 00.
   4. Concrete pavement: Section 32 13 00.
   5. Curbs, gutters and walks: Section 32 16 00.
   6. Fencing: Section 32 31 00.
   7. Topsoil, seeding and sodding: Section 32 91 19.
   8. Concrete formwork: Section 03 10 00.
   9. Concrete reinforcement: Section 03 20 00.
   10. Cast-in-place structural concrete: Section 03 30 00.

C. Definitions:
   1. Miscellaneous facilities include, but are not limited to, the following: Store fronts, alarm and sprinkler systems, bay windows, cornices, signs, fire escapes, canopies, awnings, security grilles, heating, cooling and electrical facilities, vaults, entrance walkways, steps, sidewalks, curbs, walls, railings, fences, planter boxes, shrubs, lawns and trees.
   2. Definitions pertaining to trees, shrubs and other plants: ANSI Z60.1.
   3. Salvage: To remove and store material and equipment for reuse in this or other Authority contracts.

D. Salvage:
   1. Clean salvaged items of foreign material and store in accordance with the General Requirements at accessible points within right-of-way unless otherwise shown, approved or directed.
   2. Repair or replace salvaged items which are damaged or destroyed.
   3. Unless otherwise specified items removed but not to be salvaged will become the property of the Contractor.

1.02 SUBMITTALS:

Submit the following for approval in accordance with the General Requirements and with the additional requirements as specified for each:

A. Working Drawings:
   1. Complete details of proposed reconstruction of store fronts and shop windows.

2. Complete details of temporary signs including method of reinstalling existing permanent signs. Submit prior to removing signs.

1.03 QUALITY ASSURANCE:

A. Codes, Regulations, Reference Standards and Specifications:
   1. Comply with codes and regulations of the jurisdictional authorities.
   2. ANSI: Z60.1.
   3. ASTM: C4.
   4. ICNCP (International Commission for the Nomenclature of Cultivated Plants): International Code of Nomenclature for Cultivated Plants.

PART 2 - PRODUCTS

2.01 MATERIALS:

A. Materials for Restoration: New materials, unless otherwise approved, conforming to existing undisturbed materials in quality, color and finish.

B. Topsoil, Seeding, and Sodding: Section 32 91 19.

PART 3 - EXECUTION

3.01 REMOVALS:

A. Remove work to extent shown minimizing damage to work which is to remain in place.

3.02 STORE FRONT, ROOF AND EMERGENCY DOOR:

A. Store Fronts:
   1. Complete construction of store front at location of removal of Metropolitan Police Department corridor link according to approved working drawings.

B. Roof:
   1. Replace roof which has been removed according to approved working drawings.

C. Emergency Door:
   1. Build emergency door according to approved working drawings.
   2. Relocate emergency door temporarily and maintain safe egress.

3.03 ALARM AND SPRINKLER SYSTEMS AND FIRE ESCAPES:

A. Alarm Systems:
   1. For buildings to remain, maintain existing alarm systems in operating condition. On completion of construction, reinstall components to provide same degree of protection as original system and compatible with existing security alarm systems.

B. Sprinkler Systems:

1. Maintain existing sprinkler systems fully operative in areas temporarily occupied for construction purposes.
2. Protect system from freezing where exposed to open-air conditions.
3. For buildings to remain, restore sprinkler system to provide same degree of protection as original system.

3.04 VAULTS:

A. NOT USED

3.05 HEATING, COOLING AND ELECTRICAL FACILITIES:

A. Heating and Cooling Facilities:
   1. Remove and rebuild heating and air-conditioning facilities as necessary to provide service.

B. Electrical Facilities:
   1. Remove and reconstruct electrical facilities to extent necessary to provide electrical service inside building line.

3.06 SIGNS, FLAGPOLES, RAILINGS AND FENCES:

A. Prior to any demolition work, install security fence at Metropolitan Police Department building according to drawings and specifications.

B. Maintain chain link fence on south and west side of Project site according to approved working drawings.

C. Salvage signs, flagpoles, railings and fences where shown.

D. Provide temporary signs for pedestrian traffic in accordance with approved working drawings and specifications. Remove on completion of construction.

E. Install chain-link fences in accordance with approved working drawings and Section 32 31 00.

F. Repair existing surfaces to remain, damaged during the work, by cleaning and restoration to match existing.

3.07 STEPS, WALLS AND COPINGS:

A. Salvage steps and copings of wall components where shown.

B. Construct concrete stoop at new store front at Metropolitan Police Department building according to the approved working drawings.

C. Where new reinforcing steel and concrete construction is necessary, provide such items in accordance with Sections 03 10 00, 03 20 00 and 03 30 00 so as to maintain continuity of quality and appearance between existing and new construction.

3.08 SIDEWALKS AND CURBS:

A. Salvage components of sidewalks and curbs where shown.

B. Restore sidewalks and curbs to line and grades which existed originally or new lines and grades shown. Saw cut where construction ends to create clean joints.

C. Restore asphalt and concrete sidewalks and curbs using new asphalt and concrete of equal quality to existing and to match lines, grades, thickness and construction existing prior to removal.

3.09 PARKING AREAS AND DRIVEWAY PAVEMENTS:

A. Restore parking area and driveway pavements to remain to lines, grades, thickness and construction existing prior to removal.

3.10 TREE PROTECTION:

A. Tree Preservation:
   1. Contractor is not allowed in tree protection zones.

B. Topsoil:
   1. Stockpiling of topsoil may be acceptable if it meets topsoil requirements spelled out in Section 32 91 19. Contractor shall stockpile topsoil in location outside tree protection areas and outside areas where construction will take place.
   2. Provide and place topsoil in tree spaces and areas to be seeded in accordance with Section 32 91 19.

C. Grassed Areas:
   1. Unless otherwise shown, provide seed in accordance with Section 32 91 19. Where sodding is required, provide in accordance with Section 32 91 19.

D. Replace grassed areas, inside and outside limits of work, if damaged according to Section 32 91 19.

3.11 JOINTS BETWEEN EXISTING AND RESTORED WORK:

A. Make joints between existing and restored work as inconspicuous as practicable.

B. Use saw to cut straight line at joint between existing and new concrete surfaces.

C. Make joints between existing and restored work at least equal structurally to original undisturbed items.

END OF SECTION