Appendix B
AIRPORT LAYOUT PLANS

Per Federal Aviation Administration (FAA) requirements, an official set of Airport Layout Plans (ALP) has been developed for the Charles B. Wheeler Downtown Airport (MKC). The ALP graphically presents the existing and ultimate airport layout. The ALP set is used, in part by the FAA, to determine funding eligibility for future development projects. It is also utilized to review airspace and safety design standards.

The ALP set was prepared on a computer-aided drafting system for future ease of use. The existing base drawing and topographic map were developed from controlled photogrammetry. The computerized plan set provides detailed information of existing and future facility layout on multiple layers that permits the user to focus in on any section of the airport at a desirable scale. The plan can be used as base information for design, and can be easily updated in the future to reflect new development and more detail concerning existing conditions as made available through design surveys.

As can be seen on the title page of the ½-size drawings included in this Appendix, the ALP set consists of several drawings, briefly described below.

Airport Layout Plan Drawing - The airport layout plan drawing is the single, most utilized drawing in the plan set. This drawing includes the airport layout, as well as terminal facilities and access. The runway protection zones are also depicted as well as runway safety areas and object free areas. The drawing also includes the airport's wind rose information as well as tables providing detailed information on the airport.
and runway. This and other drawings are prepared in accordance with guidance provided in FAA Advisory Circular 150/5300-13, *Airport Design*, up to and including Change 7 dated October 1, 2002. A more specific checklist provided by the FAA Central Region was also referenced.

**Terminal Area Drawing** - The terminal area drawing provides greater detail concerning landslide improvements on the north and south sides of Runway 9-27 and at a larger scale than on the ALP.

**Runway 9-27 Profile Drawing** - The Runway 9-27 profile drawing provides a depiction of the existing and future Runway 9-27 centerline elevations. This drawing presents the longitudinal grades for Runway 9-27.

**Airport Airspace Drawing** - The Airport Airspace Drawing is a graphic depiction of Federal Aviation Regulations (F.A.R.) Part 77, *Objects Affecting Navigable Airspace*, regulatory criterion. The Airport Airspace Drawing is intended to aid local authorities in determining if proposed development could present a hazard to the airport and obstruct the approach path to a runway end. This plan should be coordinated with local land use planners.

**Runway 9-27 Approach Surface Profile Drawing** - This drawing provides both plan and profile views of the F.A.R. Part 77 approach surface for each runway end. A composite profile of the extended ground line is depicted. Obstructions and clearances over roads and railroads are shown as appropriate.

**Inner Portion of the Approach Surface Drawings** - The Inner Portion of the Approach Surface Drawings are scaled drawings of the runway protection zone (RPZ), runway safety area (RSA), obstacle free zone (OFZ), and object free area (OFA) for each runway end. A plan and profile view of each RPZ is provided to facilitate identification of obstructions that lie within these safety areas. Detailed obstruction and facility data is provided to identify planned improvements and the disposition of obstructions (as appropriate).

**Airport Land Use Drawing** - The Airport Land Use Drawing is a graphic depiction of the land use recommendations. When development is proposed, it should be directed to the appropriate land use area depicted on this plan. The drawing also depicts the existing and future 65 DNL noise exposure contours, as well as off-airport land uses within those noise contours and/or contiguous to the airport's boundaries.

**Property Map** - The Property Map provides information on the acquisition and identification of all land tracts under the control of the airport. Both existing and future property holdings are identified on the Property Map.
AIRPORT LAYOUT PLANS
FOR
CHARLES B. WHEELER DOWNTOWN AIRPORT

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

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