

KANSAS CITY
Aviation

Airport Master Plan

KANSAS CITY DOWNTOWN AIRPORT – WHEELER FIELD

Appendix M

Airport Layout Plan

Appendix M
AIRPORT LAYOUT PLAN

The Federal Aviation Administration (FAA) requires the development of several technical drawings detailing specific elements of an airport and its environs. The technical drawings are collectively referred to as the Airport Layout Plan (ALP) set. The drawings are created on a computer-aided drafting system (CAD) and serve as the official depiction of the current and planned condition of an airport. The drawings are delivered to the FAA for their review and approval. The FAA critiques the drawings from a technical perspective to be sure all applicable federal regulations are met.

The five primary functions of the ALP that define its purpose are:

1) An approved plan is necessary for the airport to receive financial assistance under the terms of the *Airport and Airway Improvement Act of 1982* (AIP), as amended, and to be able to receive specific Passenger Facility Charge funding. An airport must keep its ALP current and follow that plan, since those are grant assurance requirements of the AIP and previous airport development programs, including the *1970 Airport Development Aid Program* (ADAP) and *Federal Aid Airports Program* (FAAP) of 1946, as amended. While ALPs are not required for airports other than those developed with assistance under the federal programs, the same guidance can be applied to all airports.
2) An ALP creates a blueprint for airport development by depicting proposed facility improvements. The ALP provides a guideline by which the airport sponsor can ensure that development maintains airport design standards and safety requirements, and is consistent with airport and community land use plans.
3) The ALP is a public document that serves as a record of aeronautical requirements, both present and future, and as a reference for community deliberations on land use proposals and budget resource planning.
4) The approved ALP enables the airport sponsor and the FAA to plan for facility improvements at the airport. It also allows the FAA to anticipate budgetary and procedural needs. The approved ALP will also allow the FAA to protect the airspace required for facility or approach procedure improvements.
5) The ALP can be a working tool for the airport sponsor, including its development and maintenance staff.

The FAA requires that any changes to the airfield (i.e., runway and taxiway system, etc.) be represented on the drawings. The landside configuration developed during this planning process is also depicted on the drawings, but the FAA recognizes that landside development is much more fluid and often dependent upon specific developer needs. Thus, an updated drawing set is not typically necessary for future landside alterations provided the changes are consistent with what is depicted. In some cases, when a landside development is moving forward, the FAA may require an update to the ALP.

AIRPORT LAYOUT PLAN SET

The ALP set includes several technical drawings which depict various aspects of the current and future layout of the airport. The following is a description of the ALP drawings included with this ALP update.

AIRPORT LAYOUT PLAN DRAWING

An official Airport Layout Plan drawing has been developed for Kansas City Downtown Airport – Wheeler Field (MKC), a draft of which is included in this appendix. The ALP drawing graphically presents the existing and ultimate airport layout plan. The ALP drawing includes such elements as the physical airport features, wind data tabulation, location of airfield facilities (i.e., runways, taxiways, navigational aids), and existing general aviation development.

The plan provides detailed information on existing and future facility layouts on multiple layers that permit the user to focus on any section of the airport at a desired 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.

14 CFR PART 77 AIRSPACE DRAWING

Title 14 Code of Federal Regulations (CFR) Part 77, *Objects Affecting Navigable Airspace*, was established for use by local authorities to control the height of objects near airports. The CFR Part 77 Airspace Drawing included in the ALP set is a graphic depiction of this regulatory criterion. The CFR Part 77 Airspace Drawing is a tool to aid local authorities in determining if proposed development could present a hazard to aircraft using the airport. The CFR Part 77 Airspace Drawing can be a critical tool for the airport sponsor's use in reviewing proposed development near the airport.

Airport management should do all in their power to ensure development near the airport stays below the CFR Part 77 surfaces to protect the role of the airport. The following discussion will describe those surfaces that make up the recommended CFR Part 77 surfaces at MKC.

The CFR Part 77 Airspace Drawing assigns three-dimensional imaginary surfaces associated with the airport. These imaginary surfaces emanate from the runway centerline(s) and are based on the planned **future** condition for the airport. The CFR Part 77 imaginary surfaces include the primary surface, approach surface, transitional surface, horizontal surface, and conical surface.

The dimensions of the CFR Part 77 surfaces are a function of the planned runway classification (utility or other-than-utility) and the planned instrument approach capability. Utility runways are those planned to accommodate regular use by aircraft weighing less than 12,500 pounds, and other-than-utility runways support regular operations by aircraft weighing more than 12,500 pounds. Both runways are classified as other-than-utility at MKC.

For CFR Part 77, Runway 1 is planned for a non-precision instrument approach with 1-mile visibility minimums. Runways 4 and 19 are planned to maintain their existing precision ILS approaches with ¾-mile visibility minimums. The existing non-precision GPS approach with 1-mile visibility minimums to Runway 22 is planned to be maintained.

Primary Surface

The primary surface is an imaginary surface longitudinally centered on the runway, extending 200 feet beyond each runway end. The elevation of any point on the primary surface is the same as the elevation along the nearest associated point on the runway centerline. The width of the primary surface is a function of the planned runway classification, and the most capable instrument approach procedure planned for the runway, regardless of which end supports the approach. The width of the primary surface for each runway is as follows:

- Runway 1-19: 1,000 feet
- Runway 4-22: 1,000 feet

Approach Surface

An approach surface is established for each runway end. The approach surface begins at the end of the primary surface and is the same width as the primary surface at this point. It extends upward and outward from the primary surface end and is centered along an extended runway centerline. The approach surface leading to each runway is based upon the type of instrument approach planned (instrument or visual).

Table L1 summarizes the runway classification, planned instrument approaches, and the approach surface dimensions.

TABLE L1 | CFR Part 77 Approach Surface Dimensions

			APPROACH SURFACE (ft)			
Runway End	Runway Type[1]	Planned IAP	Inner Width (Primary Surface)	Outer Width	Length	Slope Ratio
Runway 1	OTU	1-mile	1,000’	3,500'	10,000’	34:1
Runway 19	OTU	¾-mile	1,000’	16,000'	10,000’	50:1*
Runway 4	OTU	¾-mile	1,000’	16,000'	10,000’	50:1*
Runway 22	OTU	1-mile	1,000’	3,500'	10,000’	34:1

[1]U = Utility (12,500 lbs. or less)/ OTU = Other-than-Utility (Greater than 12,500 lbs.)
*10,000' at a slope of 50:1 with an additional 40,000' at a slope of 40:1
IAP: Instrument Approach Procedure

Source: CFR Part 77, Objects Affecting Navigable Airspace

Transitional Surface

Each runway has a transitional surface that begins at the outside edge of the primary surface at the same elevation as the runway. The surface rises at a slope of 7:1, to a height of 150 feet above the highest runway elevation. At that point, the transitional surface ends at the horizontal surface.

Horizontal Surface

The horizontal surface is established at 150 feet above the highest elevation of the runway surface. Having no slope, the horizontal surface connects the transitional and approach surfaces to the conical surface at 10,000 feet from the end of the primary surfaces of each runway.

Conical Surface

The conical surface begins at the outer edge of the horizontal surface. The conical surface then continues for an additional 4,000 feet horizontally at a slope of 20:1. Therefore, at 4,000 feet from the horizontal surface, the elevation of the conical surface is 350 feet above the highest airport elevation.

INNER PORTION/APPROACH SURFACE DRAWINGS

The inner portion of the runway approach surface drawing presents the inner portion of the CFR Part 77 approach surface to the runway ends. It also depicts the runway centerline profile with elevations. This drawing provides details that the CFR Part 77 drawing does not.

The inner portion/approach surface profile drawings include identified penetrations to the approach surface. Penetrations to the approach surface are considered obstructions. The FAA will determine if any obstructions are also hazards which require mitigation. The FAA utilizes other design criteria, including the approach and departure surfaces defined in FAA AC 150/5300-13B, *Airport Design* (not to be confused with the CFR Part 77 approach surface) and in FAA Order 8260.3B, *Terminal Instrument Procedures* (TERPS), to determine if an obstruction is a hazard.

If an obstruction is a hazard, the FAA can take many steps to protect air navigation. The mitigation options range from removing the hazard to installing obstruction lighting to adjusting or deactivating the instrument approach minimums.

DEPARTURE SURFACE DRAWING

For runways supporting instrument operations, a separate drawing depicting the departure surface is required. The departure surface, when clear, allows pilots to follow standard departure procedures. Section 1 of the departure surface rises at a slope of 40:1. Section 2 starts at an equal elevation to the adjoining Section 1. Section 2 continues until reaching 304 feet and then levels off until reaching the line where Section 1 and Section 2 reach 304 feet above the runway end elevation. The part of Section 2 that leveled off then continues at a 40:1 slope. **Figure L1** shows the dimensions of the departure surface as sourced from FAA AC 150/5300-13B, *Airport Design*.

Obstacles frequently penetrate the departure surface. Where object penetrations exist, the departure procedure can be adjusted by:

a) Implementing non-standard climb rates, and/or
b) Implementing non-standard (higher) departure minimums.

Therefore, it is important for the airport sponsor to identify and remove departure surface obstacles whenever possible. The airport sponsor should also prevent any new obstacles from developing. A departure surface drawing has been developed for all runways.

TERMINAL AREA DRAWING

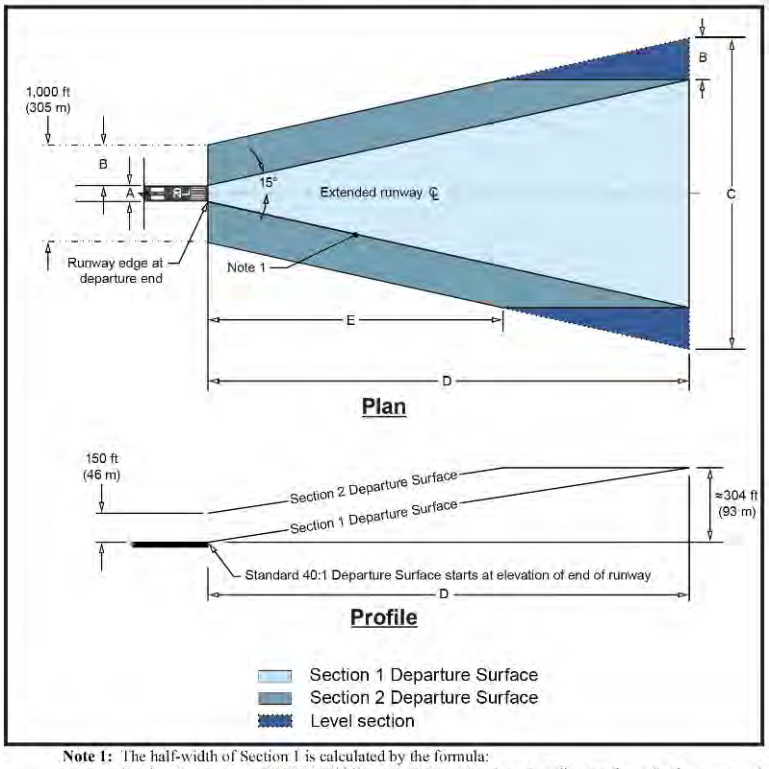
The terminal area drawing is a larger scale plan view drawing of existing and planned aprons, buildings, hangars, parking lots, and other landside facilities. It is prepared in accordance with FAA Advisory Circular 150/5300-13B, *Airport Design*.

Table 3-5. Instrument Departure Surface

Surface	Runway Type	A ft (m)	B ft (m)	C ft (m)	D [4] ft (m)	E ft (m)	Section 2 Angle θ [2]	Section 2 Transverse Slope m [2]
Surface 7	Runways providing instrument departure operations	60 (18.3)	470 (143)	7,512 (2,290)	12,152 (3,704)	6,152 (1,875)	17:7	3.13:1
		75 (22.9)	462.5 (141)				18.0	3.08:1
		100 (30.5)	450 (137)				18.4	3.00:1
		150 (46)	425 (130)				19.4	2.83:1
		200 (61)	400 (122)				20.6	2.67:1

Note 1: Section 1 of the departure surface starts at the DER elevation for the width of the runway and rises along the extended runway centerline at 40:1. Section 2 starts at an equal elevation to the adjoining Section 1. Section 2 continues until reaching 304 ft (93 m) and then levels off until reaching the line where Section 1 and Section 2 reach 304 ft (93 m) above DER elevation, then that part of Section 2 that leveled off continues at a 40:1 slope.
Note 2: See Figure 3-11 for a graphical depiction of these values.
Note 3: The start of the surface is relative to the departure end of the runway. For runways with published declared distances, the TODA indicates the beginning of the departure surface. See Figure 3-10.
Note 4: 12,152 feet (3,704 m) represents a 2 nm nominal value for planning purposes.
Note 5: For other runway width values, interpolation is required to determine the value of "B", the Section 2 angle, and the Section transverse slope.

Figure 3-9. Instrument Departure Surface



Note 1: The half-width of Section 1 is calculated by the formula:
Section $1_{Half\ Width}$ = (1/2 RWY Width) + (Tan 15° × X), where X = distance from the departure end of the runway.
Note 2: See Table 3-5 for dimensional values.

Figure 1L – Departure Surface Detail from FAA AC 150/5300-13B, Airport Design

AIRPORT LAND USE DRAWING

The objective of the Airport Land Use Drawing is to coordinate uses of the airport property in a manner compatible with the functional design of the airport facility. Airport land use planning is important for the orderly development and efficient use of available space. There are two primary considerations for airport land use planning. The first is to secure those areas essential to the safe and efficient operation of the airport. The second is to determine compatible land uses for the balance of the property which would be most advantageous to the airport and community.

In the development of an airport land use plan for MKC, the airport property was segmented into several large general tracts. Each tract was analyzed for specific site characteristics, such as tract size and shape, land characteristics, and existing land uses. The availability of utilities and the accessibility to various transportation modes were also considered. Limitations and constraints to development, such as height and noise restrictions, runway visibility zones, and contiguous land uses were analyzed next. Finally, the compatibility of various land uses in each tract was analyzed.

The depiction of on-airport land uses on this drawing has been developed while taking into consideration FAA land use compliance regulations. However, the depiction is only a recommendation and any plan to utilize any airport property for other than aviation purposes will require FAA review and approval on a case-by-case basis.

The Airfield Operations category includes the immediate runway and taxiway environment, which contains the navaid critical areas, runway visibility zone, runway and taxiway safety areas, and the runway protection zones. The Airfield Operations area is reserved for facilities critical to the safe operations of aircraft on the runways and taxiways. The Aviation Related/Aviation Support category is all other airport property. There is no on-airport land identified as potential non-aeronautical use, which is available (with FAA approval) only to those airports with excess land. The drawing also includes classification of the surrounding land uses.

AIRPORT PROPERTY MAP

The Airport Property Map provides information on property under airport control and is, therefore, subject to FAA grant assurances. The various recorded deeds that make up the airport property are listed in tabular format. The primary purpose of the drawing is to provide information for analyzing the current and future aeronautical use of land acquired with federal funds.

FAA ALP DISCLAIMER

The preparation of the ALP set has been undertaken following FAA guidelines and is intended to support future grant funding requests. The contents do not necessarily reflect the official views or policy of the United States or FAA. Acceptance of the ALP update does not in any way constitute a commitment on the part of the United States or FAA to participate in any development depicted on the ALP drawing, nor does it indicate that the proposed development is environmentally acceptable or would have justification in accordance with appropriate public laws.

Memorandum

U.S. Department of Transportation
Federal Aviation Administration

Date: June 30, 2026

Subject: Kansas City Downtown/Wheeler MKC

Aeronautical Study Number: 2026-ACE-1675-NRA

MKC Airport Layout Plan (ALP) update and Safety Management System (SMS) Comparative Safety Assessment (CSA) report to mitigate: nonstandard taxiway geometry at Hotspots 1 and 2; high speed Runway 19 exit at Taxiway H; and impacts to Taxiways D, F, and L operations from proposed access road to proposed hangars and apron bounded within Taxiways D, F, and L.

From: John D. Karrasch; Airports Airspace Specialist ACE-620F

To: Todd Madison, FAA KS Planner

We have completed an airspace analysis of:

(MKC) ALP Update

We have no objection to the ALP updates.

Future structures and/or construction equipment were not evaluated as part of this study. These must be submitted separately in accordance with 14 CFR Part 77.

This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making the determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA) and known natural objects within the affected area would have on the airport proposal. This aeronautical study was not circulated to the public for comments.

The FAA cannot prevent the construction of structures near an airport. The airport environs can only be protected through such means as local zoning ordinances, acquisitions of property in fee title or aviation easements, letters of agreements, or other means. This determination in no way preempts or waives any ordinances, laws, or regulations of any government body or agency.

This aeronautical study was not circulated to the public for comments.



John D. Karrasch

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

KCAD PROJECT 62220555
AIP PROJECT 3-29-0041-36-2023

900 NW RICHARDS RD.
KANSAS CITY, MO 64116

AIRPORT LAYOUT PLAN SET

KANSAS CITY Aviation

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AIRPORT LAYOUT PLAN

for the

KANSAS CITY DOWNTOWN AIRPORT - WHEELER FIELD

Kansas City, Missouri

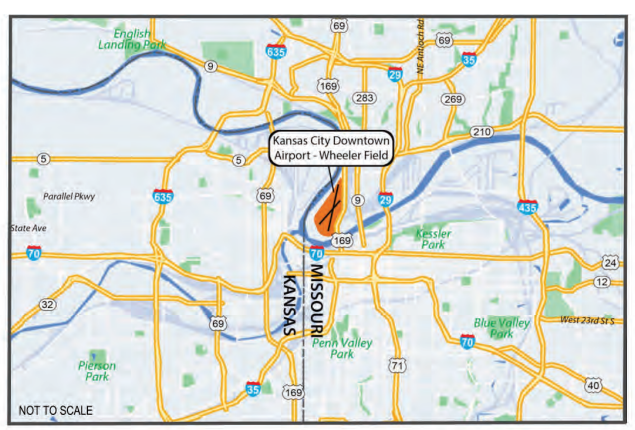
Prepared for
the City of Kansas City, Missouri

DRAWING INDEX

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LOCATION MAP



VICINITY MAP



MISSOURI COUNTY MAP

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY Downtown Airport – Wheeler Field | **MKC**

Coffman Associates
Airport Consultants
www.coffmanassociates.com

Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022
Design Phase	DRAFT
Design Package	AIRPORT LAYOUT PLAN DRAWINGS

REVISIONS

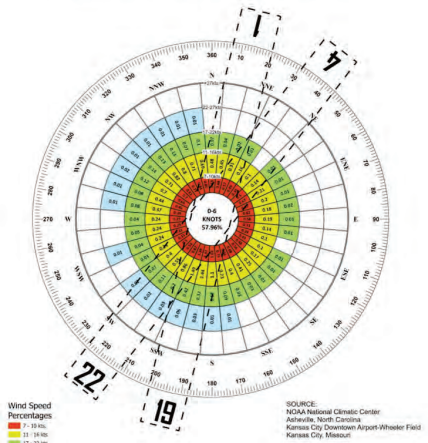
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: TITLE SHEET
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 01 of 27

KANSAS CITY Aviation

Coffman Associates C:\Users\diana\Coffman Associates Inc\Coffman - sp_CAD (1)\MP\MKC_KC_Downtown_23\ALP\01 MKC DWG INDEX.dwg Printed Date: 9-30-26 11:59:49 AM diana

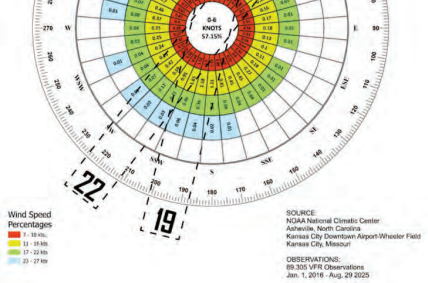
ALL WEATHER WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 1-19	94.06%	96.98%	99.21%	99.84%
Runway 4-22	91.89%	95.76%	98.92%	99.78%
All Runways	95.33%	97.85%	99.48%	99.91%



SOURCE:
NOAA National Climatic Center:
Asheville, North Carolina
Kansas City Downtown Airport-Wheeler Field
Kansas City, Missouri

OBSERVATIONS:
98,357 All Weather Observations
Jan. 1, 2016 - Aug. 29 2025

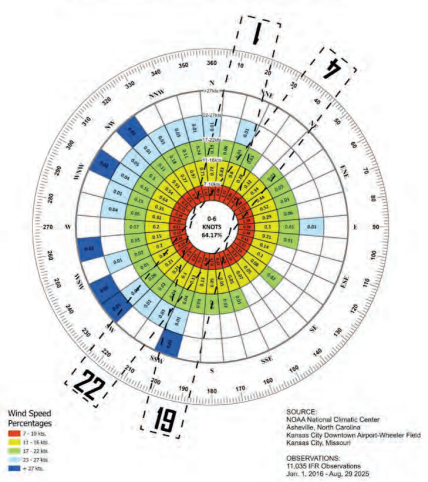
VFR WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 1-19	94.13%	97.06%	99.28%	99.87%
Runway 4-22	91.83%	95.78%	98.99%	99.81%
All Runways	95.37%	97.90%	99.54%	99.93%



SOURCE:
NOAA National Climatic Center:
Asheville, North Carolina
Kansas City Downtown Airport-Wheeler Field
Kansas City, Missouri

OBSERVATIONS:
89,305 VFR Observations
Jan. 1, 2016 - Aug. 29 2025

IFR WIND COVERAGE				
Runways	10.5 Knots	13 Knots	16 Knots	20 Knots
Runway 1-19	93.59%	96.52%	98.77%	99.66%
Runway 4-22	92.50%	95.68%	98.50%	99.53%
All Runways	95.23%	97.54%	99.12%	99.77%



SOURCE:
NOAA National Climatic Center:
Asheville, North Carolina
Kansas City Downtown Airport-Wheeler Field
Kansas City, Missouri

OBSERVATIONS:
11,035 IFR Observations
Jan. 1, 2016 - Aug. 29 2025

RUNWAY DATA TABLE

		RUNWAY 1-19				RUNWAY 4-22			
		EXISTING		ULTIMATE		EXISTING		ULTIMATE	
Runway Identification		1	19	1	19	4	22	4	22
Runway Design Code (RDC)		D-III-4000	D-III-4000	Same	Same	B-II-4000		Same	
Approach Reference Code (APRC)		D-IV-4000 D-V-4000	D-IV-4000 D-V-4000	Same	Same	B-III-4000		Same	
Departure Reference Code (DPRC)		D-IV/D-V		Same		B-III/D-II		Same	
Critical Aircraft		D-III-3		Same		B-II-2A		Same	
Example Critical Aircraft		G550		Cessna Bravo (TDG3)/G650 (D-III)		King Air 350		Same	
Runway Surface Material		Concrete - E		Same		Asphalt- E		Same	
Runway Pavement Strength By Wheel Loading (In Thousands of lbs.		86 (S), 171 (D), 342 (2D)		Same		48 (S), 73 (D), 136 (2D)		Same	
Runway Pavement Strength By PCN		67/R/B/W/T		Same		74/F/C/W/T		Same	
Runway Surface Treatment		Grooved		Same		None		Same	
Runway Effective Gradient		0.12%		Same		0.01%		Same	
Runway Dimensions (L x W)		6827' x 150'		Same		5050' x 100'		Same	
Runway End Coordinates	Latitude	39°06'52.879"N	39°07'58.694"N	Same	Same	39°06'58.662"N	39°07'37.759"N	Same	Same
	Longitude	94°35'43.250"W	94°35'24.229"W	Same	Same	94°35'54.647"W	94°35'14.822"W	Same	Same
Runway End Elevation		748.42'	756.90'	Same	Same	742.70'	743.20'	Same	Same
Runway Displaced Threshold Coordinates	Latitude	39°06'55.766"	39°07'55.793"	Same	Same	39°07'02.534"	39°07'32.350"	Same	Same
	Longitude	94°35'42.416"	94°35'25.068"	Same	Same	94°35'50.899"	94°35'20.339"	Same	Same
Runway Displaced Threshold Distance		299.0'	301.0'	Same	Same	500.0'	699.0'	Same	Same
Runway Displaced Threshold Elevation[1,2]		746.46'	754.43'	Same	Same	742.84'	743.45'	Same	Same
Runway Safety Area Dimensions (Width) - Design Standard [1,2]		500'		Same		150'		Same	
Runway Safety Area Dimensions (Length Beyond End) - Design Standard [1,2]		1000'		Same		300'		Same	
Runway Safety Area Dimensions (Width) - Actual [1,2]		500' x 322'	500' x 298'	Same		150' x 300'	150' x 300'	Same	
Runway Safety Area Dimensions (Length Beyond End) - Actual [1,2]		500' x 322'	500' x 298'	Same		150' x 300'	150' x 300'	Same	
Runway Lighting Type		HIRL		Same		HIRL		Same	
Runway Protection Zone Dimensions		1700'x500'x1010'	1700'x1000'x1510'	Same	Same	1700'x1000'x1510'	enter file name	Same	Same
Runway Marking Type		Non-Precision	Precision	Same	Same	Precision	Non-Precision	Same	Same
14 CFR Part 77 Approach Slope		34:1	50:1/40:1	Same	Same	50:1/40:1	34:1	Same	Same
14 CFR Part 77 Approach Type		Non-Precision	Precision	Same	Same	Precision	Non-Precision	Same	Same
Approach Visibility Minimums		1 Mile	3/4 Mile	Same	Same	3/4 Mile	1 Mile	Same	Same
Type of Aeronautical Survey Required For Approach		VG	VG	Same	Same	VG	NVG	Same	Same
Departure Surface (Yes or N/A)		Yes	Yes	Same	Same	Yes	Yes	Same	Same
Runway Object Free Area Dimensions (Width x Length Beyond End) [1,2]		800' x 322'	800' x 298'	Same	Same	500' x 300'	500' x 70'	Same	Same
Runway Obstacle Free Zone Dimension (Width x Length Beyond End)		400' x 200'	400' x 200'	Same	Same	400' x 200'	400' x 0'	Same	Same
13B Approach Surfaces[3]		5, 6	5, 6	Same	Same	5, 6	4	Same	Same
Runway Visual and Instrument Navaids		REIL, VASI-4L, RVR-R	ILS or LOC, GPS, MALSF, PAPI-4L RVR-T	Same	Same	ILS or LOC, GPS, VASI-4L, RVR-T	GPS, VASI-4L REIL, RVR-R	ILS or LOC, GPS, PAPI-4L, RVR-T	GPS, PAPI-4L, REIL, RVR-R
Touchdown Zone Elevation (TDZE)		744.7'	754.4'	Same	Same	743.9'	743.9'	Same	Same
Horizontal Datum		NAD83							
Vertical Datum		NAVD88							

[1]EMAS and declared distances provide equivalency to the standard dimensions.
[2]Declared distances provide equivalency to the standard dimensions.
[3]Tables 3-2, 3-3, & 3-4 in AC 150/5300-13B

AIRPORT DATA

City: Kansas City		County: Clay	Owner: City of Kansas City
Airport Name & ID: Kansas City Downtown Airport - Wheeler Field		EXISTING	ULTIMATE
Airport Reference Code (ARC)		D-III	Same
Mean/Max Temperature of Hottest Month		90.2° (July)	Same
Airport Elevation (NAVD 88)		756.9	Same
Airport Navigational Aids		Airport Beacon, ATCT, GPS (22), ILS (4,19), PAPI-4L (19), VASI 4L (1,4,22) REILs (1,22)	Airport Beacon, ATCT, GPS (22), ILS (4,19), PAPI-4L (1,19,4,22), REILS (1,22)
Airport Reference Point (ARP)	Latitude	39°07'22.6"N	Same
	Longitude	94°35'34.2"W	Same
Misc. Facilities		ASOS, EMAS (1,19), HIRL 1-19, 4-22, MITL, Windsocks	ASOS, EMAS (1,19) HIRL 1-19, 4-22, MITL, Windsocks, Runway Guard Lights
Design Critical Aircraft		Gulfstream 550	Gulfstream 550/Citation Bravo 550
Wingspan of Design Aircraft (ft.)		93.5	93.5/51
Approach Speed of Design Aircraft (Knots)		145	145/51.7
Undercarriage Width of Design Aircraft (ft.)		15.9	15.9/27.2
Magnetic Declination (Degrees)		1° 6' E Changing By 0° 4' W Per Year	
Declination Date		20-Jan-26	
Declination Source		NOAA, NCEI	
NPIAS Code		Reliever	
State System Plan Role		National	

Existing/Ultimate Obstacle Free Zone (OFZ) Penetrations

Object	Penetration	Disposition
Runway 19 - Ground (USACE Levee)	4.6'	None. IAPs developed/published to account for object
Runway 19 - Ground (USACE Levee)	4.4'	None. IAPs developed/published to account for object
Runway 19 - Ground (USACE Levee)	3.7'	None. IAPs developed/published to account for object
Runway 22 - Airport Perimeter/Security Fence	10'	None. Object to Remain. IAPs developed/published to account for object
Runway 22 - Richards Road	15'	None. Object to Remain. IAPs developed/published to account for object
Runway 22 - U.S. Highway 169	17'	None. Object to Remain. IAPs developed/published to account for object
Runway 22 - Railroad	37'	None. Object to Remain. IAPs developed/published to account for object

RUNWAY DECLARED DISTANCE

	EXISTING		ULTIMATE		EXISTING		ULTIMATE	
	1	19	1	19	4	22	4	22
Takeoff Run Available (TORA)	6827'	6827'	Same	Same	5050'	5050'	Same	Same
Takeoff Distance Available (TODA)	6827'	6827'	Same	Same	5050'	5050'	Same	Same
Accellerate-Stop Distance Available (ASDA)	6827'	6827'	Same	Same	4770'	5050'	Same	Same
Landing Distance Available (LDA)	6528'	6526'	Same	Same	4270'	4351'	Same	Same

MODIFICATIONS TO STANDARDS APPROVAL TABLE

APPROVAL DATE	AIRSPACE CASE NUMBER	STANDARD MODIFIED	DESCRIPTION
None			

TAXIWAY DATA TABLE

TAXIWAY/TAXILANE DESIGNATION		TAXIWAY WIDTH		TAXIWAY DESIGN GROUP		TAXIWAY/TAXILANE SAFETY AREA DIMENSION		TAXIWAY OBJECT FREE AREA		TAXIWAY/TAXILANE LIGHTING		TAXIWAY EDGE SAFETY MARGIN (TESM)		TAXIWAY/TAXILANE CENTERLINE TO FIXED OR MOVEABLE OBJECT[1]	
EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
A (Threshold Of Rwy 1)	Same	100'	Same	5/3	3	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
A (Threshold Of Rwy 4)	Same	50'	Same	5/3	3	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
B (Bypass At Twy G)	Same	101'/75'	75'	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
B (West OF Rwy 1)	Same	50'	Same	3	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
D	Same	75'/50'	50'	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
D1	Same	65'	Same	3	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
D2	Same	38'	Same	2	Same	79'	Same	124'	Same	MITL	Same	7.5'	Same	62'/55'	Same
E	Same	60'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
F (Twy D To Apron Curve)	Same	57'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
F (From Aapron Curve To TwyY L)	Same	75	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
G	Same	75'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
G1	Same	165'	Same	6	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
H	Same	75'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
J	Same	70'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
K (East OF Rwy 1-19)	Same	74'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
K (West OF Rwy 1-19)	Same	55'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
L	Same	50'	Same	4	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
L1	Same	50'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
L2	Same	50'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
L3	Same	45'	Same	3	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same
M	Same	75'	Same	5	Same	118'	Same	171'	Same	MITL	Same	10'	Same	85.5'/79'	Same

[1] Objects located inside the TSA & TOFA/Distance from object to taxiway/taxilane centerline. See Table 4-1 in AC 150/5300-13B

AIRPORT NAVAID OWNERSHIP

Navaid	Owner
Airport Beacon	FAA
ATCT	FAA
ASOS	City of Kansas City
MALSF	FAA
HIRL	FAA
MITL	FAA
PAPI-4	FAA
VASI-4	FAA
REILS	FAA
Windcones	City of Kansas City

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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Drawing Scale: Varies
Designed By: P.T.
Drawn By: D.P.
Checked By: M.D.
Approved By: M.D.
Consultant Project No.: 22MP17
Initial Issue Date: 2022

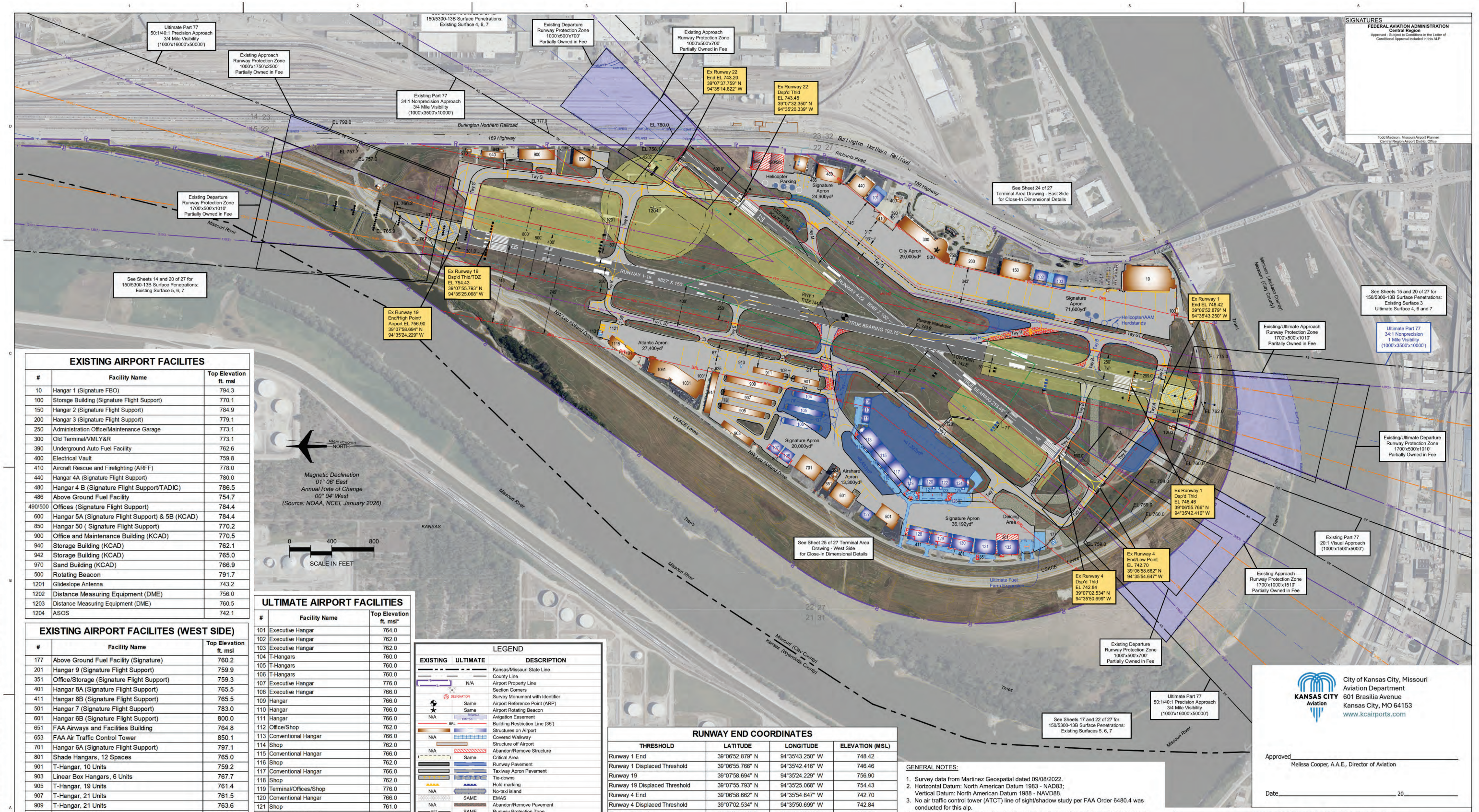
REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: AIRPORT DATA SHEET
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.
Drawing 2 of 27

KANSAS CITY Aviation

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EXISTING AIRPORT FACILITES

#	Facility Name	Top Elevation ft. msl
10	Hangar 1 (Signature FBO)	794.3
100	Storage Building (Signature Flight Support)	770.1
150	Hangar 2 (Signature Flight Support)	784.9
200	Hangar 3 (Signature Flight Support)	779.1
250	Administration Office/Maintenance Garage	773.1
300	Old Terminal/VMLY&R	773.1
390	Underground Auto Fuel Facility	762.6
400	Electrical Vault	759.8
410	Aircraft Rescue and Firefighting (ARFF)	778.0
440	Hangar 4A (Signature Flight Support)	780.0
480	Hangar 4 B (Signature Flight Support/TADIC)	786.5
486	Above Ground Fuel Facility	754.7
490/500	Offices (Signature Flight Support)	784.4
600	Hangar 5A (Signature Flight Support) & 5B (KCAD)	784.4
850	Hangar 50 (Signature Flight Support)	770.2
900	Office and Maintenance Building (KCAD)	770.5
940	Storage Building (KCAD)	762.1
942	Storage Building (KCAD)	765.0
970	Sand Building (KCAD)	766.9
500	Rotating Beacon	791.7
1201	Glideslope Antenna	743.2
1202	Distance Measuring Equipment (DME)	756.0
1203	Distance Measuring Equipment (DME)	760.5
1204	ASOS	742.1

EXISTING AIRPORT FACILITES (WEST SIDE)

#	Facility Name	Top Elevation ft. msl
177	Above Ground Fuel Facility (Signature)	760.2
201	Hangar 9 (Signature Flight Support)	759.9
351	Office/Storage (Signature Flight Support)	759.3
401	Hangar 8A (Signature Flight Support)	765.5
411	Hangar 8B (Signature Flight Support)	765.5
501	Hangar 7 (Signature Flight Support)	783.0
601	Hangar 6B (Signature Flight Support)	800.0
651	FAA Airways and Facilities Building	764.8
653	FAA Air Traffic Control Tower	850.1
701	Hangar 6A (Signature Flight Support)	797.1
801	Shade Hangars, 12 Spaces	765.0
901	T-Hangar, 10 Units	759.2
903	Linear Box Hangars, 6 Units	767.7
905	T-Hangar, 19 Units	761.4
907	T-Hangar, 21 Units	761.5
909	T-Hangar, 21 Units	763.6
911	T-Hangar, 13 Units	759.2
913	Self-Serve Fuel Facility	758.4
915	Linear Box Hangars, 6 Units	767.9
925	GA Terminal Building	767.9
1001	FBO Terminal (Atlantic Aviation)	784.6
1031	Hangar 10 (Atlantic Aviation)	784.6
1061	Hangar 11, (Atlantic Aviation)	784.6
1101	Hangar 14	773.3
1115	Hangar 15	773.3
1121	Customs and Border Protection	743.3
1131	Aboveground Fuel Facility (Atlantic)	758.2

ULTIMATE AIRPORT FACILITIES

#	Facility Name	Top Elevation ft. msl*
101	Executive Hangar	764.0
102	Executive Hangar	762.0
103	Executive Hangar	762.0
104	T-Hangars	760.0
105	T-Hangars	760.0
106	T-Hangars	760.0
107	Executive Hangar	776.0
108	Executive Hangar	766.0
109	Hangar	766.0
110	Hangar	766.0
111	Hangar	766.0
112	Office/Shop	762.0
113	Conventional Hangar	766.0
114	Shop	762.0
115	Conventional Hangar	766.0
116	Shop	762.0
117	Conventional Hangar	766.0
118	Shop	762.0
119	Terminal/Offices/Shop	776.0
120	Conventional Hangar	766.0
121	Shop	761.0
122	Conventional Hangar	766.0
123	Shop	761.0
124	Conventional Hangar	765.0
125	Shop	761.0
126	Fuel Farm	758.0
127	Executive Hangar	766.0
128	Conventional Hangar	766.0
129	Conventional Hangar	766.0
130	Conventional Hangar	766.0
131	Conventional Hangar	766.0
132	Conventional Hangar	766.0

*Top elevation estimated based on common structure height

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
		Section Corners
	DESIGNATION	Survey Monument with Identifier
	Same	Airport Reference Point (ARP)
	Same	Airport Rotating Beacon
	N/A	Avigation Easement
	BRL	Building Restriction Line (35')
		Structures on Airport
	N/A	Covered Walkway
		Structure off Airport
	N/A	Abandon/Remove Structure
	Same	Critical Area
		Runway Pavement
		Taxiway Apron Pavement
		Tie-downs
		Hold marking
	N/A	No-taxi island
	SAME	EMAS
	N/A	Abandon/Remove Pavement
	SAME	Runway Protection Zone
	SAME	Object Free Area
	SAME	Runway Safety Area
	SAME	Obstacle Free Zone
	SAME	Runway Visibility Zone
	SAME	Taxiway Safety Area
	SAME	ASOS
	SAME	Localizer
		PAPI-4
		Runway End Identifier Lights (REILs)
		Windsock
	SAME	Glidslope Antenna
	SAME	DME
		Fence Line
		Roads and Parking Pavement
		Topographic Contours

RUNWAY END COORDINATES

THRESHOLD	LATITUDE	LONGITUDE	ELEVATION (MSL)
Runway 1 End	39°06'52.879" N	94°35'43.250" W	748.42
Runway 1 Displaced Threshold	39°06'55.766" N	94°35'42.416" W	746.46
Runway 19	39°07'58.694" N	94°35'24.229" W	756.90
Runway 19 Displaced Threshold	39°07'55.793" N	94°35'25.068" W	754.43
Runway 4 End	39°06'58.662" N	94°35'54.647" W	742.70
Runway 4 Displaced Threshold	39°07'02.534" N	94°35'50.699" W	742.84
Runway 22 End	39°07'37.759" N	94°35'14.822" W	743.20
Runway 22 Displaced Threshold	39°07'32.350" N	94°35'20.339" W	743.45

NGS SURVEY MONUMENTS

PERMANENT IDENTIFIER	DESIGNATION	LATITUDE	LONGITUDE	MARKER	ELEVATION (MSL)
AI4898	MKC F (PACS)	39° 08' 02.563"	094° 35' 19.838"	I	755.5
AI4899	MKC G (SACS)	39° 07' 18.363"	094° 35' 31.350"	DH	740.4
AI4900	MKC H (SACS)	39° 07' 00.552"	094° 35' 46.223"	DH	740.5

Source: NOAA Aeronautical Survey Program (https://www.ngs.noaa.gov/cgi-bin/airports.prl?TYPE=PACSAC); I-Metal Rod; DH-Horizontal Control Disk; NGS-National Geodetic Survey; PACS-Primary Airport Control Station; SACS-Secondary Airport Control Station

GENERAL NOTES:

1. Survey data from Martinez Geospatial dated 09/08/2022.
2. Horizontal Datum: North American Datum 1983 - NAD83;
   Vertical Datum: North American Datum 1988 - NAVD88.
3. No air traffic control tower (ATCT) line of sight/shadow study per FAA Order 6480.4 was conducted for this alp.
4. See terminal area drawings, sheets 24 and 25 for building list and landside dimensional details.
5. See sheets 14 through 19 for part 77 inner approach, and 13b Obstacle Clearance Surface penetrations.
6. The perimeter of the airport is secured by seven-foot chain-link fencing topped with one foot of barbed wire.
7. Hangars 5A, 5B and helicopter parking will be removed from runway 4-22 part 77 primary surface.
8. The taxiway edge safety margin (TESM) is the distance between the outer edge of the landing gear of an airplane with its nose gear on the taxiway centerline and the edge of the taxiway pavement.
9. For clarity, only the taxiway safety area (TSA) is shown.
10. See sheets 15-24 for 14 CFR, Subpart C and AC 150/5300-13b, change 1 for existing and ultimate approach surface details and penetrations.
11. Base imagery source: surdex corporation, chesterfield, mo (april 2024)

RUNWAY DESIGN STANDARDS

ITEM	RUNWAY 1	RUNWAY 19	RUNWAY 4	RUNWAY 22
Runway Safety Area Width	500'	500'	150'	150'
Runway Safety Area Prior to Threshold	600'	600'	300'	300'
Runway Safety Area Beyond Departure End	1000'	1000'	300'	300'
Runway Object Free Area Width	800'	800'	500'	500'
Runway Object Free Area Length Prior to Threshold	600'	600'	300'	300'
Runway Obstacle Free Zone Width	400'	400'	400'	400'
Runway Obstacle Free Zone Length Beyond Runway	200'	200'	200'	200'

Source: FAA AC 150/5300-13B, Change 1, Airport Design

SIGNATURES

FEDERAL AVIATION ADMINISTRATION
Central Region
Approved - Subject to Conditions in the Letter of Conditional Approval included in this ALP

Todd Madison, Missouri Airport Planner
Central Region Airport District Office

KANSAS CITY Aviation
City of Kansas City, Missouri
Aviation Department
601 Brasilia Avenue
Kansas City, MO 64153
www.kcairports.com

Approved_____
Melissa Cooper, A.A.E., Director of Aviation

Date_____ 20____

CITY OF KANSAS CITY, MISSOURI
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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022
Design Phase	DRAFT
Design Package	AIRPORT LAYOUT PLAN DRAWINGS

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

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KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

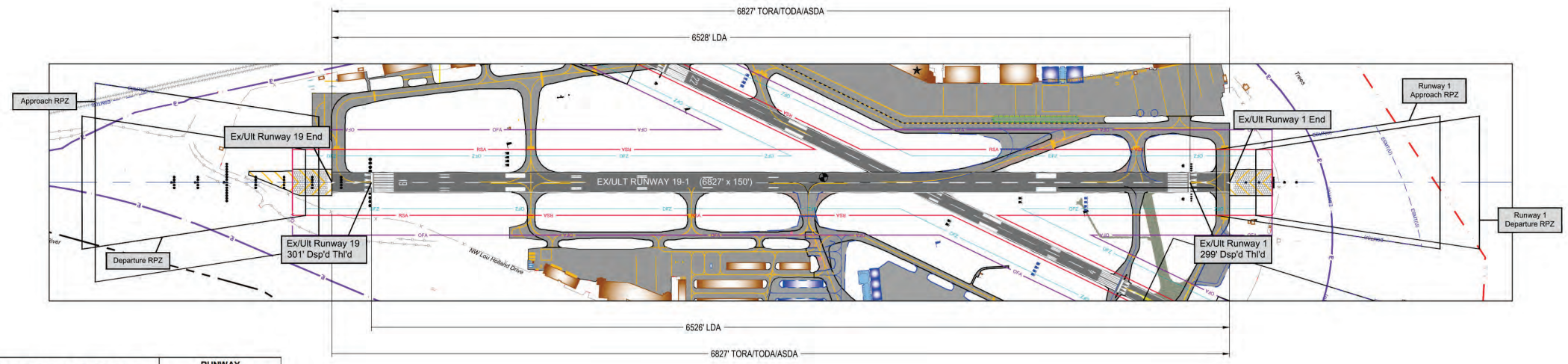
Drawing No.

Drawing 3 of 27

KANSAS CITY Aviation

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EXISTING RUNWAY 1 TAKE OFF/LANDING DIRECTION
1" = 500'

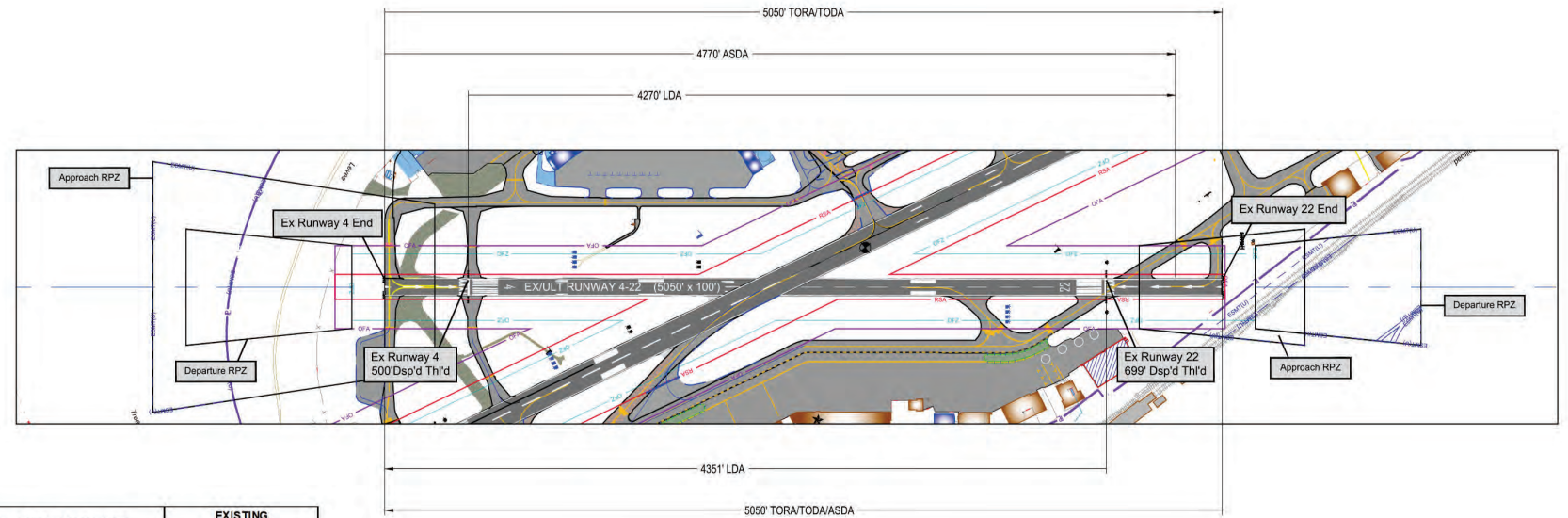


RUNWAY DECLARED DISTANCE	RUNWAY	
	1	19
Takeoff Run Available (TORA)	6827'	6827'
Takeoff Distance Available (TODA)	6827'	6827'
Accellerate-Stop Distance Available (ASDA)	6827'	6827'
Landing Distance Available (LDA)	6528'	6526'

EXISTING RUNWAY 19 TAKE OFF/LANDING DIRECTION
1" = 500'

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

EXISTING RUNWAY 4 TAKE OFF/LANDING DIRECTION
1" = 500'



RUNWAY DECLARED DISTANCE	EXISTING	
	4	22
Takeoff Run Available (TORA)	5050'	5050'
Takeoff Distance Available (TODA)	5050'	5050'
Accelerate-Stop Distance Available (ASDA)	4770'	5050'
Landing Distance Available (LDA)	4270'	4351'

EXISTING RUNWAY 22 TAKE OFF/LANDING DIRECTION
1" = 500'

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawing Scale	Varies		
Designed By	P.T.	Drawn By	D.P.
Checked By	M.D.	Approved By	M.D.
Consultant Project No.	22MP17	Initial Issue Date	2022

REVISIONS

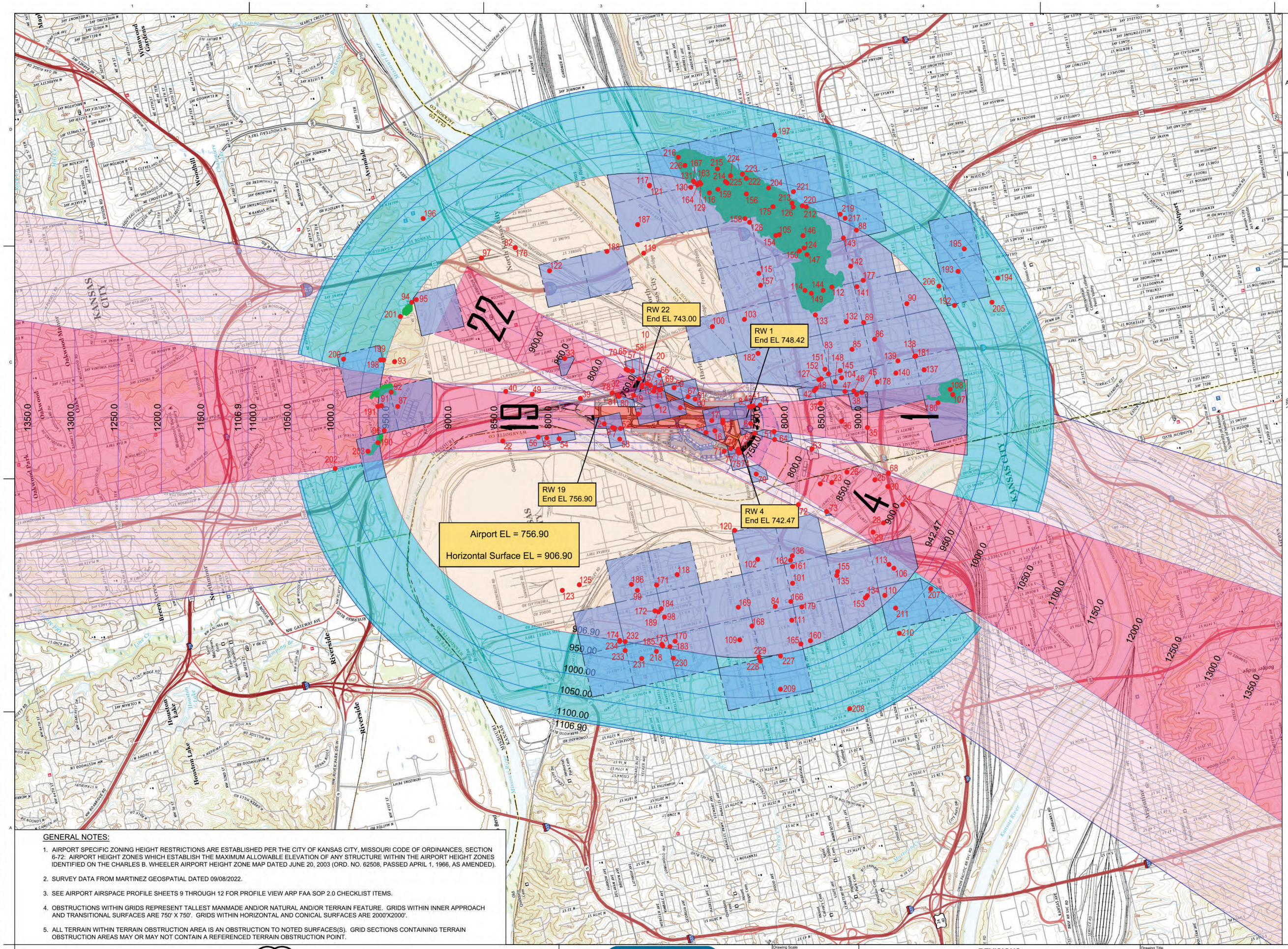
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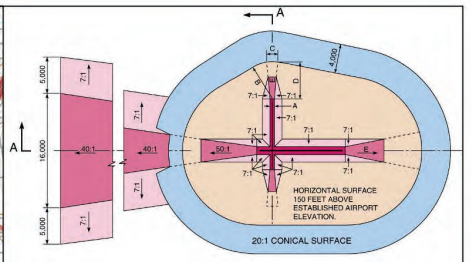
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KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 4 of 27

KANSAS CITY Aviation

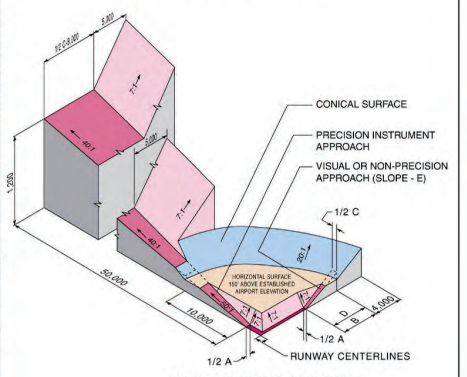
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DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

SOURCE: FAA Order JO 7400.2J, Figure 6-3-3

LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
	N/A	AIRPORT PROPERTY LINE
		OBSTRUCTION IDENTIFIER
		TERRAIN OBSTRUCTION
		OBSTRUCTION GRID

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

0 2000 4000
SCALE IN FEET

GENERAL NOTES:

1. AIRPORT SPECIFIC ZONING HEIGHT RESTRICTIONS ARE ESTABLISHED PER THE CITY OF KANSAS CITY, MISSOURI CODE OF ORDINANCES, SECTION 6-72: AIRPORT HEIGHT ZONES WHICH ESTABLISH THE MAXIMUM ALLOWABLE ELEVATION OF ANY STRUCTURE WITHIN THE AIRPORT HEIGHT ZONES IDENTIFIED ON THE CHARLES B. WHEELER AIRPORT HEIGHT ZONE MAP DATED JUNE 20, 2003 (ORD. NO. 62508, PASSED APRIL 1, 1966, AS AMENDED).
2. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.
3. SEE AIRPORT AIRSPACE PROFILE SHEETS 9 THROUGH 12 FOR PROFILE VIEW ARP FAA SOP 2.0 CHECKLIST ITEMS.
4. OBSTRUCTIONS WITHIN GRIDS REPRESENT TALLEST MANMADE AND/OR NATURAL AND/OR TERRAIN FEATURE. GRIDS WITHIN INNER APPROACH AND TRANSITIONAL SURFACES ARE 750' X 750'. GRIDS WITHIN HORIZONTAL AND CONICAL SURFACES ARE 2000'X2000'.
5. ALL TERRAIN WITHIN TERRAIN OBSTRUCTION AREA IS AN OBSTRUCTION TO NOTED SURFACES(S). GRID SECTIONS CONTAINING TERRAIN OBSTRUCTION AREAS MAY OR MAY NOT CONTAIN A REFERENCED TERRAIN OBSTRUCTION POINT.

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KANSAS CITY Downtown Airport – Wheeler Field | **MKC**

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawing Scale	Varies	
Designed By	P.T.	Drawn By D.P.
Checked By	M.D.	Approved By M.D.
Consultant Project No.	22MP17	Initial Issue Date 2022

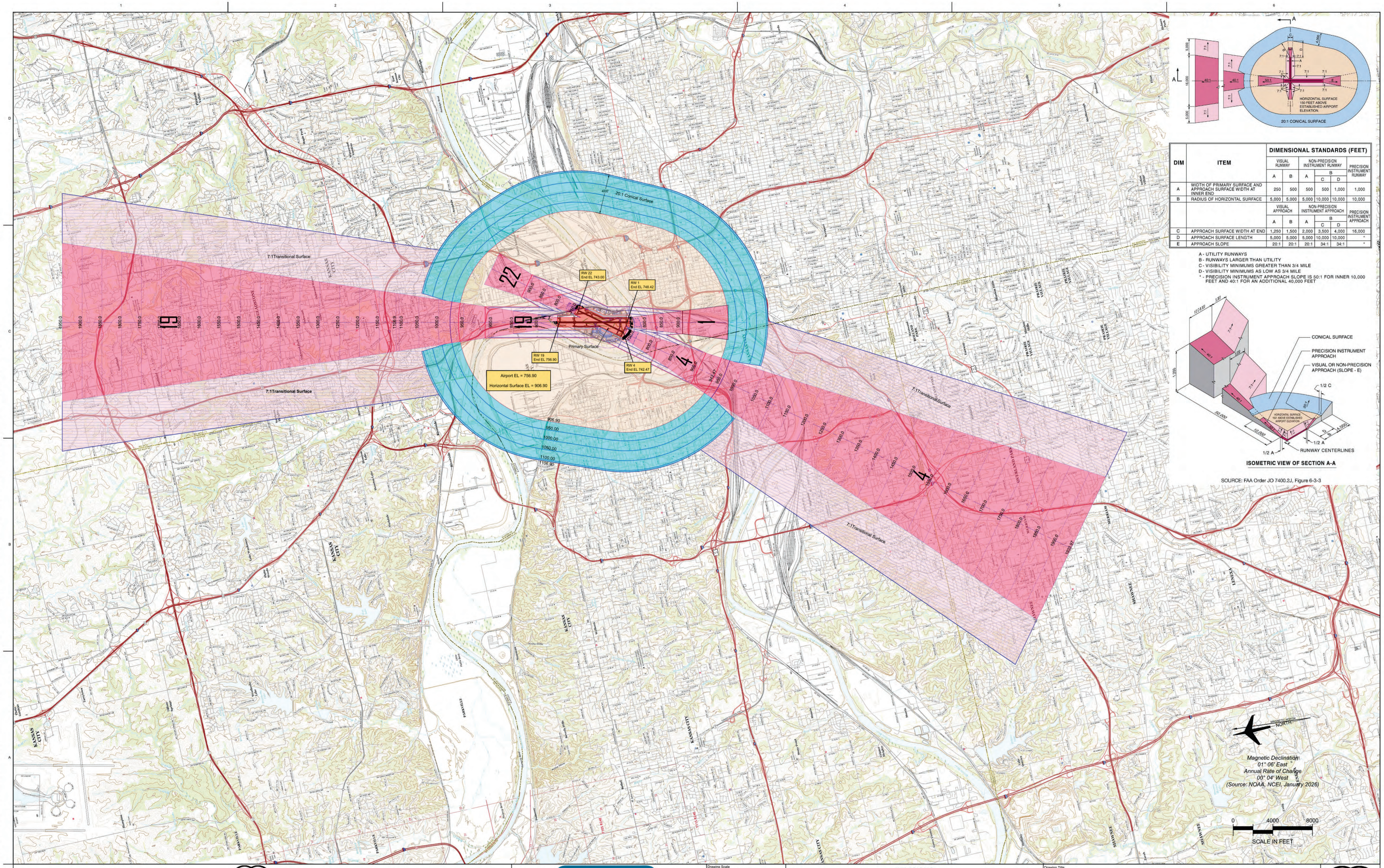
REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: AIRPORT AIRSPACE DRAWING I
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.
Drawing 5 of 27

KANSAS CITY Aviation

Coffman Associates C:\Users\diana\Coffman Associates Inc\Coffman - sp_CAD (1)\MPMKC_KC_Downtown_23\ALP\05 06 07 08 MKC AIRS W OBST TABLES.dwg Printed Date: 9-30-26 12:03:28 PM diana



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B C	B D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B C	B D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

SOURCE: FAA Order JO 7400.2J, Figure 6-3-3

NORTH

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

0 4000 8000
SCALE IN FEET

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | **MKC**

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Coffman Associates
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Drawing Scale	
Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: AIRPORT AIRSPACE DRAWING II

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555

Drawing No.
Drawing 6 of 27

KANSAS CITY Aviation

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Part 77 Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
1	Sign	1,238	39° 7' 40.760" N	94° 35' 27.450" W	1/A	adip.faa.gov	N/A	743.00	4.00	747.00	Primary Surface (Rwy 1/19)	2.61	Light/Mark
2	Airport Service Road	1,289	39° 7' 56.910" N	94° 35' 28.570" W	1/A	adip.faa.gov	N/A	No Data	No Data	777.00	Primary Surface (Rwy 1/19)	22.13	To Remain
3	VASI Box	1,406	39° 7' 21.390" N	94° 35' 29.200" W	1/A	adip.faa.gov	N/A	743.00	3.00	746.00	Primary Surface (Rwy 1/19)	1.37	To Remain
4	Wind Sock	1,520	39° 7' 4.030" N	94° 35' 43.350" W	1/A	adip.faa.gov	N/A	741.00	9.00	750.00	Primary Surface (Rwy 1/19)	5.64	To Remain
5	VASI Box	1,522	39° 7' 3.780" N	94° 35' 41.770" W	1/A	adip.faa.gov	N/A	742.00	3.00	745.00	Primary Surface (Rwy 1/19)	0.66	To Remain
6	Localizer Equipment Shed	5,938	39° 6' 51.659" N	94° 35' 47.311" W	H20/V3	Survey (9/8/2022)	N/A	743.14	15.36	758.50	Primary Surface (Rwy 1/19)	10.03	To Remain
7	Terrain/Dam	9,308	39° 7' 52.811" N	94° 35' 32.404" W	H20/V3	Survey (9/8/2022)	N/A	763.10	0.00	763.10	Primary Surface (Rwy 1/19)	12.01	To Remain
8	Fence	9,477	39° 6' 50.566" N	94° 35' 37.489" W	H20/V3	Survey (9/8/2022)	N/A	742.80	7.17	749.97	Primary Surface (Rwy 1/19)	1.51	To Remain
9	NW Lou Holland Drive	39,283	39° 7' 53.625" N	94° 35' 31.805" W	H20/V3	Survey (9/8/2022)	N/A	764.93	15.00	779.93	Primary Surface (Rwy 1/19)	28.20	To Remain
10	Pole	1,363	39° 7' 36.170" N	94° 35' 11.220" W	1/A	adip.faa.gov	N/A	749.00	39.00	788.00	Primary Surface (Rwy 4/22)	45.05	To Remain
11	Building	1,432	39° 7' 28.870" N	94° 35' 16.460" W	1/A	adip.faa.gov	N/A	No Data	No Data	787.00	Primary Surface (Rwy 4/22)	43.54	To Remain
12	Pole	1,439	39° 7' 31.560" N	94° 35' 25.270" W	1/A	adip.faa.gov	N/A	742.00	10.00	752.00	Primary Surface (Rwy 4/22)	8.47	Object Has Obstruction Lighting
13	Terrain	1,440	39° 7' 31.630" N	94° 35' 16.320" W	1/A	adip.faa.gov	N/A	744.00	0.00	744.00	Primary Surface (Rwy 4/22)	0.47	To Remain
14	Building	1,445	39° 7' 30.670" N	94° 35' 14.560" W	1/A	adip.faa.gov	N/A	742.00	47.00	789.00	Primary Surface (Rwy 4/22)	45.47	To Remain
15	Terrain	1,463	39° 7' 33.870" N	94° 35' 11.060" W	1/A	adip.faa.gov	N/A	749.00	0.00	749.00	Primary Surface (Rwy 4/22)	5.76	To Remain
16	VASI Box	1,515	39° 7' 8.350" N	94° 35' 46.860" W	1/A	adip.faa.gov	N/A	742.00	4.00	746.00	Primary Surface (Rwy 4/22)	2.97	To Remain
17	VASI Box	1,526	39° 7' 8.620" N	94° 35' 40.550" W	1/A	adip.faa.gov	N/A	741.00	3.00	744.00	Primary Surface (Rwy 4/22)	0.91	To Remain
18	Fence	9,517	39° 6' 59.725" N	94° 36' 0.430" W	H20/V3	Survey (9/8/2022)	N/A	743.08	7.09	750.17	Primary Surface (Rwy 4/22)	7.65	To Remain
19	Light Pole	18,138	39° 7' 40.929" N	94° 35' 16.103" W	H20/V3	Survey (9/8/2022)	N/A	742.54	17.61	760.15	Primary Surface (Rwy 4/22)	17.20	To Remain
20	Tree	95,548	39° 7' 32.538" N	94° 35' 12.394" W	H20/V3	Survey (9/8/2022)	N/A	754.45	12.75	767.20	Primary Surface (Rwy 4/22)	23.72	Remove
21	Tree	97,266	39° 7' 36.571" N	94° 35' 12.459" W	H20/V3	Survey (9/8/2022)	N/A	750.37	14.81	765.18	Primary Surface (Rwy 4/22)	22.23	Remove
22	Tree	118,797	39° 8' 43.851" N	94° 35' 25.387" W	H20/V3	Survey (9/8/2022)	N/A	741.38	101.83	843.21	Rwy 19 Approach Surface	1.57	Remove
23	Tower	931	39° 6' 21.400" N	94° 36' 31.500" W	5/D	adip.faa.gov	2015-ACE-2154-OE	750.00	87.00	837.00	Rwy 4 Approach Surface	3.36	To remain. See FAA letter dated 2/4/2015
24	Stack	1,753	39° 5' 52.000" N	94° 36' 53.000" W	2/C	adip.faa.gov	N/A	750.00	198.00	948.00	Rwy 4 Approach Surface	46.68	Light/Mark
25	Elevator	9,393	39° 6' 1.970" N	94° 36' 35.410" W	H20/V3	Survey (9/8/2022)	N/A	748.01	162.99	911.00	Rwy 4 Approach Surface	42.72	Light/Mark
26	Elevator	9,396	39° 6' 13.600" N	94° 36' 27.410" W	H20/V3	Survey (9/8/2022)	N/A	746.07	152.92	898.99	Rwy 4 Approach Surface	56.99	Object Has Obstruction Lighting
27	Elevator	9,397	39° 6' 26.706" N	94° 36' 30.674" W	H20/V3	Survey (9/8/2022)	N/A	753.18	83.25	836.43	Rwy 4 Approach Surface	12.01	Light/Mark
28	Light Pole	12,442	39° 6' 2.429" N	94° 37' 1.147" W	H20/V3	Survey (9/8/2022)	N/A	746.45	148.44	894.89	Rwy 4 Approach Surface	2.13	Lower/Relocate
29	Light Pole	13,011	39° 6' 7.983" N	94° 37' 5.155" W	H20/V3	Survey (9/8/2022)	N/A	748.11	147.32	895.43	Rwy 4 Approach Surface	7.55	Lower/Relocate
30	Utility Pole	126,130	39° 5' 56.804" N	94° 36' 40.983" W	H20/V3	Survey (9/8/2022)	N/A	748.27	152.95	901.22	Rwy 4 Approach Surface	19.29	Lower/Relocate
31	Tower	798	39° 3' 44.000" N	94° 38' 21.000" W	5/D	adip.faa.gov	1989-ACE-296-OE	960.00	295.00	1,255.00	Rwy 4 Approach Surface	2.50	To Remain
32	C B and Q Railroad	32	39° 7' 50.289" N	94° 35' 12.046" W	N/A	DEM & ESRI Linework	N/A	754.00	23.00	777.00	Rwy 22 Approach Surface	6.25	To Remain
33	Tower	123,265	39° 8' 7.970" N	94° 34' 46.183" W	H20/V3	Survey (9/8/2022)	N/A	743.34	111.19	854.53	Rwy 22 Approach Surface	5.75	Object Has Obstruction Lighting
35	Building	2,709	39° 6' 0.030" N	94° 36' 4.597" W	H20/V3	Survey (9/8/2022)	N/A	747.61	186.79	934.40	Rwy 1 Approach Surface	27.58	Object Has Obstruction Lighting
36	Building	3,135	39° 6' 10.896" N	94° 35' 57.650" W	H20/V3	Survey (9/8/2022)	N/A	750.97	161.92	912.89	Rwy 1 Approach Surface	41.15	Light/Mark
37	Industrial Chimney	10,128	39° 6' 18.591" N	94° 35' 44.720" W	H20/V3	Survey (9/8/2022)	N/A	746.88	104.35	851.23	Rwy 1 Approach Surface	8.41	Light/Mark
38	Light Pole	12,341	39° 6' 1.549" N	94° 35' 44.342" W	H20/V3	Survey (9/8/2022)	N/A	758.70	136.88	895.58	Rwy 1 Approach Surface	3.48	Lower/Relocate
39	Tower	788	39° 8' 5.000" N	94° 35' 11.000" W	4/D	adip.faa.gov	1981-ACE-658-OE	748.00	107.00	855.00	Transitional Surface	45.17	To Remain
40	Elevator	1,232	39° 8' 37.490" N	94° 34' 57.400" W	1/A	adip.faa.gov	N/A	No Data	No Data	859.00	Transitional Surface	7.93	Light/Mark
41	Terrain/Dam	9,240	39° 6' 48.737" N	94° 35' 37.667" W	H20/V3	Survey (9/8/2022)	N/A	760.99	0.00	760.99	Transitional Surface	7.73	To Remain
42	Light Pole	14,186	39° 6' 20.051" N	94° 35' 36.673" W	H20/V3	Survey (9/8/2022)	N/A	754.26	136.69	890.95	Transitional Surface	3.64	Lower/Relocate
43	Road	33,689	39° 6' 49.860" N	94° 35' 37.540" W	H20/V3	Survey (9/8/2022)	N/A	745.00	15.00	760.00	Transitional Surface	10.20	To Remain
44	Tree	78,055	39° 6' 45.8240" N	94° 35' 36.440" W	H20/V3	Survey (9/8/2022)	N/A	733.40	82.89	817.51	Transitional Surface	37.54	Remove
45	Utility Pole	126,197	39° 5' 59.041" N	94° 35' 43.834" W	H20/V3	Survey (9/8/2022)	N/A	798.54	162.49	961.03	Transitional Surface	60.37	Lower/Relocate
46	Utility Pole	126,317	39° 6' 2.483" N	94° 35' 41.982" W	H20/V3	Survey (9/8/2022)	N/A	798.01	158.11	956.12	Transitional Surface	50.34	Lower/Relocate
47	Utility Pole	126,435	39° 6' 6.440" N	94° 35' 41.151" W	H20/V3	Survey (9/8/2022)	N/A	777.73	130.72	908.45	Transitional Surface	10.75	Lower/Relocate
48	Utility Pole	127,099	39° 6' 18.930" N	94° 35' 35.538" W	H20/V3	Survey (9/8/2022)	N/A	783.63	137.90	921.53	Transitional Surface	17.20	Lower/Relocate
49	Utility Pole	133,325	39° 8' 26.050" N	94° 35' 2.450" W	H20/V3	Survey (9/8/2022)	N/A	746.69	93.28	839.97	Transitional Surface	6.28	Lower/Relocate
50	Glideslope Antenna	1,516	39° 7' 12.500" N	94° 35' 46.640" W	1/A	adip.faa.gov	N/A	No Data	No Data	793.00	Transitional Surface	14.05	To Remain
51	Tree	1,705	39° 6' 42.060" N	94° 35' 54.890" W	1/A	adip.faa.gov	N/A	No Data	No Data	808.00	Transitional Surface	24.72	To Remain
52	Road	38,949	39° 7' 50.156" N	94° 35' 33.375" W	H20/V3	Survey (9/8/2022)	N/A	745.16	15.00	760.16	Transitional Surface	2.73	To Remain
53	Tree	1,288	39° 7' 54.390" N	94° 35' 37.060" W	1/A	adip.faa.gov	N/A	No Data	No Data	819.00	Transitional Surface	7.25	Remove
54	Tree	113,694	39° 8' 18.470" N	94° 35' 31.360" W	H20/V3	Survey (9/8/2022)	N/A	741.94	91.63	833.57	Transitional Surface	9.31	Remove
55	Tree	115,415	39° 8' 23.912" N	94° 35' 29.288" W	H20/V3	Survey (9/8/2022)	N/A	738.15	111.01	849.16	Transitional Surface	31.19	Remove
56	Tree	116,055	39° 8' 27.623" N	94° 35' 27.701" W	H20/V3	Survey (9/8/2022)	N/A	739.56	109.46	849.02	Transitional Surface	37.27	Remove
57	Elevator	1,322	39° 7' 39.000" N	94° 35' 2.000" W	1/A	adip.faa.gov	N/A	740.00	163.00	903.00	Transitional Surface	122.94	Object Has Obstruction Lighting
58	Pole	1,365	39° 7' 36.780" N	94° 35' 7.410" W	1/A	adip.faa.gov	N/A	745.00	49.00	794.00	Transitional Surface	46.70	Lower/Relocate
59	Light Pole	1,408	39° 7' 22.170" N	94° 35' 16.970" W	1/A	adip.faa.gov	N/A	742.00	51.00	793.00	Transitional Surface	0.43	Object Has Obstruction Lighting
60	Light Pole	1,537	39° 7' 13.950" N	94° 35' 26.110" W	1/A	adip.faa.gov	N/A	No Data	No Data	796.00	Transitional Surface	10.32	Lower/Relocate
61	Building	1,538	39° 7' 13.960" N	94° 35' 26.110" W	1/A	adip.faa.gov	N/A	741.00	51.00	792.00	Transitional Surface	6.41	Light/Mark
62	Terrain/Dam	9,249	39° 6' 50.797" N	94° 35' 53.415" W	H20/V3	Survey (9/8/2022)	N/A	760.99	0.00	760.99	Transitional Surface	9.00	To Remain
63	Light Pole	14,919	39° 6' 26.952" N	94° 36' 9.754" W	H20/V3	Survey (9/8/2022)	N/A	750.99	73.40	824.39	Transitional Surface	6.26	Lower/Relocate
64	Tree	76,554	39° 6' 42.551" N	94° 35' 59.550" W	H20/V3	Survey (9/8/2022)	N/A	738.56	74.33	812.89	Transitional Surface	42.34	Remove
65	Tree	99,245	39° 7' 40.996" N	94° 35' 1.079" W	H20/V3	Survey (9/8/2022)	N/A	742.45	45.24	787.69	Transitional Surface	15.07	Remove
66	Tower	123,256	39° 7' 27.495" N	94° 35' 8.006" W	H20/V3	Survey (9/8/2022)	N/A	744.99	111.12	856.11	Transitional Surface	32.22	Object Has Obstruction Lighting
67	Building High Point	124,022	39° 7' 16.888" N	94° 35' 23.929" W	H20/V3	Survey (9/8/2022)	N/A	741.94	37.23	779.17	Transitional Surface	0.62	Light/Mark
68	Utility Pole	126,103	39° 5' 55.227" N	94° 36' 33.448" W	H20/V3	Survey (9/8/2022)	N/A	749.22	142.77	891.99	Transitional Surface	3.30	Lower/Relocate
69	Utility Pole	130,487	39° 7' 28.200" N	94° 35' 16.062" W	H20/V3	Survey (9/8/2022)	N/A	743.68	32.97	776.65	Transitional Surface	30.19	Lower/Relocate
70	Utility Pole	131,142	39° 7' 41.732" N	94° 35' 0.263" W	H20/V3	Survey (9/8/2022)	N/A	741.94	36.84	778.78	Transitional Surface	4.44	Lower/Relocate
71	Static Aircraft	1,591	39° 7' 6.200" N	94° 35' 59.690" W	1/A	adip.faa.gov	N/A	744.00	55.00	799.00	Transitional Surface	15.67	To Remain
72	Utility Structure	1,689	39° 6' 38.550" N	94° 36' 39.870" W	1/A	adip.faa.gov	N/A	No Data	No Data	895.00	Transitional Surface	10.69	To Remain
73	Antenna	1,802	39° 6' 26.648" N	94° 36' 47.384" W	H20/V3	Survey (9/8/2022)	N/A	750.14	93.20	843.34	Transitional Surface	1.47	To Remain
74	Terrain/Dam	9,260	39° 6' 59.370" N	94° 36' 2.460" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	Transitional Surface	15.80	To Remain
75	Terrain/Dam	9,261	39° 6' 59.850" N	94° 36' 2.650" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	Transitional Surface	9.77	To Remain
76	Fence	9,526	39° 7' 3.077" N	94° 35' 59.080" W	H20/V3	Survey (9/8/2022)	N/A	743.82	7.87	751.69	Transitional Surface	1.82	Relocate
77	Road	34,726	39° 7' 0.310" N	94° 36' 1.330" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	Transitional Surface	16.16	To Remain
78	Railroad	48,675	39° 7' 50.260" N	94° 35' 12.070" W	H20/V3	Survey (9/8/2022)	N/A	757.00	23.00	780.00	Transitional Surface	9.35	To Remain
79	Tree	81,789	39° 6' 53.692" N	94° 36' 17.138" W	H20/V3	Survey (9/8/2022)	N/A	742.01	105.40	847.41	Transitional Surface	24.40	Remove
80	Building High Point	124,303	39° 7' 47.520" N	94° 35' 14.945" W	H20/V3	Survey (9/8/2022)	N/A	744.43	40.32	784.75	Transitional Surface	17.48	Light/Mark
81	Utility Pole	131,476	39° 7' 48.083" N	94° 35' 13.987" W	H20/V3	Survey (9/8/2022)	N/A	744.17	38.70	782.87	Transitional Surface	17.92	Lower/Relocate
82	Tower	819	39° 8' 18.940" N	94° 33' 36.500" W	1/A	adip.faa.gov	1997-ACE-171-OE	733.00	212.00	945.00	Horizontal Surface	38.07	Object Has Obstruction Lighting
83	Building	834	39° 6' 12.000" N	94° 35' 29.000" W	1/A	adip.faa.gov	1999-ACE-1061-OE	964.00	120.00	1,084.00	Horizontal Surface	177.07	To Remain
84	Building	837	39° 6' 59.000" N	94° 37' 35.000" W	1/A	adip.faa.gov	2000-ACE-339-OE	860.00	215.00	1,075.00	Horizontal Surface	168.07	Object Has Obstruction Lighting
85	Building	845	39° 5' 59.000" N	94° 35' 18.000" W	5/D	adip.faa.gov	2002-ACE-1145-OE	935.00	300.00	1,235.00	Horizontal Surface	328.07	To Remain - See FAA letter dated 7/22/2002
86	Building	846	39° 5' 48.000" N	94° 35' 15.000" W	5/D	adip.faa.gov	2002-ACE-1165-OE	910.00	350.00	1,260.00	Horizontal Surface	353.07	To Remain - See FAA letter dated 7/22/2002
87	Tower	864	39° 9' 27.196" N	94° 34' 52.060" W	2/C	adip.faa.gov	2007-ACE-2970-OE	819.00	163.00	982.00	Horizontal Surface	75.07	To Remain - See FAA letter dated 10/12/2007
88	Sign	869	39° 5' 45.113" N	94° 34' 10.381" W	1/A	adip.faa.gov	2008-ACE-434-OE	857.00	80.00	937.00	Horizontal Surface	30.07	To Remain - See FAA letter dated 5/27/2008
89	Building	986	39° 5' 51.150" N	94° 35' 4.100" W	1/A	adip.faa.gov	2016-ACE-951-OE	875.00	483.00	1,358.00	Horizontal Surface	451.07	To Remain - See FAA letter dated 4/28/2016
90	Building	1,035	39° 5' 30.050" N	94° 34' 58.880" W	4/D	adip.faa.gov	2018-ACE-6038-OE	806.00	165.00	971.00	Horizontal Surface	64.07	To Remain - See FAA letter dated 2/26/2019
91	Tree	1,196	39° 9' 34.350" N	94° 34' 49.610" W	1/A	adip.faa.gov	N/A	No Data	No Data	990.00	Horizontal Surface	83.07	Remove
92	Tree	1,199	39° 9' 28.620" N	94° 34' 43.000" W	1/A	adip.faa.gov	N/A	No Data	No Data	997.00	Horizontal Surface	90.07	Remove
93	Tree	1,200	39° 9' 24.080" N	94° 34' 26.060" W	1/A	adip.faa.gov	N/A	No Data	No Data	921.00	Horizontal Surface	14.07	Remove
94	Tree	1,212	39° 9' 10.540" N	94° 33' 54.330" W	2/C	adip.faa.gov	N/A	No Data	No Data	983.00	Horizontal Surface	76.07	Remove
95	Pole	1,213	39° 9' 8.160" N	94° 33' 53.370" W	1/A	adip.faa.gov	N/A	908.00	78.00	986.00	Horizontal Surface	79.07	Lower/Relocate
96	Pole	1,221	39° 9' 35.610" N	94° 35' 4.160" W	1/A	adip.faa.gov	N/A	888.00	81.00	969.00	Horizontal Surface	62.07	Object Has Obstruction Lighting
97	Elevator	1,229	39° 8' 35.000" N	94° 33' 38.000" W	1/A	adip.faa.gov	N/A	730.00	193.00	923.00	Horizontal Surface	16.07	Light/Mark
98	Tree	1,291	39° 7' 49.400" N	94° 37' 26.800" W	2/C	adip.faa.gov	N/A	No Data	No Data	942.00	Horizontal Surface	35.07	Remove
99	Tree	1,299	39° 7' 58.840" N	94° 37' 8.110" W	2/C	adip.faa.gov	N/A	No Data	No Data	950.00	Horizontal Surface	43.07	Remove
100	Bridge	1,497	39° 6' 59.000" N	94° 34' 47.000" W	1/B	adip.faa.gov	N/A	720.00	204.00	924.00	Horizontal Surface	17.07	To Remain
101	Tower	1,681	39° 6' 49.000" N	94° 37' 24.000" W	1/B	adip.faa.gov	N/A	850.00	222.00	1,072.00	Horizontal Surface	165.07	Object Has Obstruction Lighting
102	Building	1,686	39° 7' 2.080" N	94° 37' 5.790" W	1/A	adip.faa.gov	N/A	828.00	151.00	979.00	Horizontal Surface	72.07	Object Has Obstruction Lighting
103	Industrial Chimney	1,696	39° 6' 44.000" N	94° 34' 47.000" W	1/A	adip.faa.gov	N/A	755.00	249.00	1,004.00	Horizontal Surface	97.07	Light/Mark
104	Building	1,713	39° 6' 6.570" N	94° 35' 32.890" W	1/A	adip.faa.gov	N/A	949.00	143.00	1,092.00	Horizontal Surface	185.07	Light/Mark
105	Building	1,722	39° 6' 20.000" N	94° 34' 3.000" W	No Data	adip.faa.gov	N/A	903.00	176.00	1,079.00	Horizontal Surface	172.07	Light/Mark
106	Tree	1,735	39° 6' 2.310" N	94° 37' 28.410" W	1/A	adip.faa.gov	N/A	874.00	78.00	952.00	Horizontal Surface	45.07	Remove
107	Tree	1,748	39° 5' 18.730" N	94° 35' 56.750" W	1/A	adip.faa.gov	N/A	No Data	No Data	1,023.00	Horizontal Surface	116.07	Remove
108	Pole	1,749	39° 5' 19.320" N	94° 35' 53.460" W	1/A	adip.faa.gov	N/A	943.00	74.00	1,017.00	Horizontal Surface	110.07	Lower/Relocate
109	Stack	1,774	39° 7' 18.220" N	94° 37' 49.600" W	1/A	adip.faa.gov	N/A	835.00	86.00	921.00	Horizontal Surface	14.07	Light/Mark
110	Tree	1,775	39° 6' 9.080" N	94° 37' 42.800" W	1/A	adip.faa.gov	N/A	No Data	No Data	932.00	Horizontal Surface	25.07	Remove
111	Tower	1,776	39° 6' 53.000" N	94° 37' 45.000" W	2/B	adip.faa.gov	N/A	860.00	224.00	1,084.00	Horizontal Surface	177.07	Object Has Obstruction Lighting
112	Building	2,773	39° 6' 1.756" N	94° 34' 39.781" W	H20/V3	Survey (9/8/2022)	N/A	921.76	362.32	1,284.08	Horizontal Surface	377.15	Light/Mark
113	Building	2,856	39° 6' 4.132" N	94° 37' 25.622" W	H20/V3	Survey (9/8/2022)	N/A	875.83	70.06	945.89	Horizontal Surface	38.96	Light/Mark
114	Building	3,252	39° 6' 14.110" N	94° 34' 38.230" W	H20/V3	Survey (9/8/2022)	N/A	940.89	243.17	1,184.06	Horizontal Surface	277.13	Light/Mark
115	Building	4,414	39° 6' 32.961" N	94° 34' 22.632" W	H20/V3	Survey (9/8/2022)	N/A	830.77	85.36	916.13	Horizontal Surface	9.20	Light/Mark
116	Building	5,697	39° 6' 46.909" N	94° 33' 30.190" W	H20/V3	Survey (9/8/2022)	N/A	975.00	51.80	1,026.80	Horizontal Surface	119.87	Light/Mark
117	Building	6,366	39° 7' 12.846" N	94° 33' 18.060" W	H20/V3	Survey (9/8/2022)	N/A	743.13	182.12	925.25	Horizontal Surface	18.32	Light/Mark

NOTE:

1. POINT 34 WAS THE WHEEL WELD BUILDING WHICH WAS DEMOLISHED IN MAY 2024.

Coffman Associates C:\Users\diana\Coffman Associates Inc\Coffman - sp_CAD (1)\MPMKC_KC_Downtown_23ALP\05 06 07 08 MKC AIRS W OBST TABLES.dwg Printed Date: 9-30-26 12:04:29 PM diana

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

Coffman Associates
Airport Consultants
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Design Phase: DRAFT	Design Package: AIRPORT LAYOUT PLAN DRAWINGS
Drawing Scale: Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: AIRPORT AIRSPACE OBSTRUCTION TABLE I

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

Drawing No.: Drawing 7 of 27

KANSAS CITY Aviation

Part 77 Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Surface Obstructed	Penetration Value (ft.)	Remediation
118	Building	7,022	39° 7' 39.490" N	94° 37' 4.261" W	H20/V3	Survey (9/8/2022)	N/A	860.28	63.48	923.76	Horizontal Surface	16.83	Light/Mark
119	Bridge	9,229	39° 7' 22.240" N	94° 33' 56.210" W	H20/V3	Survey (9/8/2022)	N/A	721.19	316.81	1,038.00	Horizontal Surface	131.07	Object Has Obstruction Lighting
120	Elevator	9,404	39° 7' 9.520" N	94° 36' 46.350" W	H20/V3	Survey (9/8/2022)	N/A	753.35	215.13	968.48	Horizontal Surface	61.55	Object Has Obstruction Lighting
121	Elevator	9,406	39° 7' 12.882" N	94° 33' 18.503" W	H20/V3	Survey (9/8/2022)	N/A	743.50	176.50	920.00	Horizontal Surface	13.07	Light/Mark
122	Elevator	9,418	39° 8' 5.879" N	94° 33' 54.035" W	H20/V3	Survey (9/8/2022)	N/A	741.43	197.89	939.32	Horizontal Surface	32.39	Light/Mark
123	Elevator	10,114	39° 8' 32.309" N	94° 36' 58.398" W	H20/V3	Survey (9/8/2022)	N/A	743.55	189.57	933.12	Horizontal Surface	26.19	Object Has Obstruction Lighting
124	Industrial Chimney	10,125	39° 6' 10.246" N	94° 34' 13.855" W	H20/V3	Survey (9/8/2022)	N/A	962.80	70.75	1,033.55	Horizontal Surface	126.62	Light/Mark
125	Industrial Chimney	10,174	39° 8' 24.090" N	94° 36' 57.468" W	H20/V3	Survey (9/8/2022)	N/A	744.05	186.11	930.16	Horizontal Surface	23.23	Object Has Obstruction Lighting
126	Light Pole	13,273	39° 6' 10.980" N	94° 33' 48.997" W	H20/V3	Survey (9/8/2022)	N/A	923.11	35.07	958.18	Horizontal Surface	51.25	Lower/Relocate
127	Light Pole	13,864	39° 6' 16.898" N	94° 35' 31.038" W	H20/V3	Survey (9/8/2022)	N/A	935.38	37.89	973.27	Horizontal Surface	66.34	Lower/Relocate
128	Light Pole	15,295	39° 6' 31.937" N	94° 33' 52.104" W	H20/V3	Survey (9/8/2022)	N/A	881.58	44.27	925.85	Horizontal Surface	18.92	Lower/Relocate
129	Light Pole	16,341	39° 6' 49.871" N	94° 33' 23.934" W	H20/V3	Survey (9/8/2022)	N/A	957.18	27.88	985.06	Horizontal Surface	78.13	Lower/Relocate
130	Light Pole	16,548	39° 6' 54.588" N	94° 33' 24.543" W	H20/V3	Survey (9/8/2022)	N/A	891.67	29.53	921.20	Horizontal Surface	14.27	Lower/Relocate
131	Road	33,944	39° 6' 52.861" N	94° 33' 21.292" W	H20/V3	Survey (9/8/2022)	N/A	909.04	15.00	924.04	Horizontal Surface	17.11	To Remain
132	Spire/Steeple	53,173	39° 5' 58.883" N	94° 35' 1.389" W	H20/V3	Survey (9/8/2022)	N/A	892.82	619.32	1,512.14	Horizontal Surface	605.21	Light/Mark
133	Spire/Steeple	53,176	39° 6' 11.955" N	94° 34' 53.629" W	H20/V3	Survey (9/8/2022)	N/A	890.58	454.09	1,344.67	Horizontal Surface	437.74	Light/Mark
134	Spire/Steeple	53,179	39° 6' 16.927" N	94° 37' 40.727" W	H20/V3	Survey (9/8/2022)	N/A	848.03	78.35	926.38	Horizontal Surface	19.45	Light/Mark
135	Spire/Steeple	53,181	39° 6' 28.470" N	94° 37' 25.290" W	H20/V3	Survey (9/8/2022)	N/A	830.59	96.41	927.00	Horizontal Surface	20.07	Light/Mark
136	Spire/Steeple	53,184	39° 6' 46.318" N	94° 37' 8.289" W	H20/V3	Survey (9/8/2022)	N/A	850.26	105.74	956.00	Horizontal Surface	49.07	Light/Mark
137	Tree	55,276	39° 5' 29.010" N	94° 35' 38.914" W	H20/V3	Survey (9/8/2022)	N/A	924.14	82.28	1,006.42	Horizontal Surface	99.49	Remove
138	Tree	55,711	39° 5' 31.778" N	94° 35' 30.060" W	H20/V3	Survey (9/8/2022)	N/A	920.88	73.06	993.94	Horizontal Surface	87.01	Remove
139	Tree	57,229	39° 5' 39.772" N	94° 35' 30.441" W	H20/V3	Survey (9/8/2022)	N/A	926.48	83.04	1,009.52	Horizontal Surface	102.59	Remove
140	Tree	57,685	39° 5' 41.857" N	94° 35' 37.221" W	H20/V3	Survey (9/8/2022)	N/A	953.89	68.79	1,022.68	Horizontal Surface	115.75	Remove
141	Tree	59,594	39° 5' 50.567" N	94° 34' 42.795" W	H20/V3	Survey (9/8/2022)	N/A	882.74	28.32	911.06	Horizontal Surface	4.13	Remove
142	Tree	59,753	39° 5' 51.354" N	94° 34' 30.292" W	H20/V3	Survey (9/8/2022)	N/A	877.49	41.19	918.68	Horizontal Surface	11.75	Remove
143	Tree	59,823	39° 5' 51.696" N	94° 34' 13.223" W	H20/V3	Survey (9/8/2022)	N/A	881.15	29.48	910.63	Horizontal Surface	3.70	Remove
144	Tree	64,027	39° 6' 6.032" N	94° 34' 40.630" W	H20/V3	Survey (9/8/2022)	N/A	932.71	59.64	992.35	Horizontal Surface	85.42	Remove
145	Tree	64,238	39° 6' 6.472" N	94° 35' 28.590" W	H20/V3	Survey (9/8/2022)	N/A	962.71	67.76	1,030.47	Horizontal Surface	123.54	Remove
146	Tree	65,242	39° 6' 9.451" N	94° 34' 6.694" W	H20/V3	Survey (9/8/2022)	N/A	958.33	76.20	1,034.53	Horizontal Surface	127.60	Remove
147	Tree	65,276	39° 6' 9.600" N	94° 34' 18.070" W	H20/V3	Survey (9/8/2022)	N/A	956.66	56.93	1,013.59	Horizontal Surface	106.66	Remove
148	Tree	65,323	39° 6' 9.764" N	94° 35' 34.316" W	H20/V3	Survey (9/8/2022)	N/A	934.25	70.48	1,004.73	Horizontal Surface	97.80	Remove
149	Tree	65,769	39° 6' 11.544" N	94° 34' 40.735" W	H20/V3	Survey (9/8/2022)	N/A	946.83	39.54	986.37	Horizontal Surface	79.44	Remove
150	Tree	66,063	39° 6' 12.567" N	94° 34' 14.964" W	H20/V3	Survey (9/8/2022)	N/A	965.12	59.04	1,024.16	Horizontal Surface	117.23	Remove
151	Tree	66,245	39° 6' 13.155" N	94° 35' 25.794" W	H20/V3	Survey (9/8/2022)	N/A	938.73	76.10	1,014.83	Horizontal Surface	107.90	Remove
152	Tree	66,911	39° 6' 15.718" N	94° 35' 30.806" W	H20/V3	Survey (9/8/2022)	N/A	929.51	66.59	996.10	Horizontal Surface	89.17	Remove
153	Tree	67,727	39° 6' 17.951" N	94° 37' 41.784" W	H20/V3	Survey (9/8/2022)	N/A	857.44	70.98	928.42	Horizontal Surface	21.49	Remove
154	Tree	68,978	39° 6' 21.626" N	94° 34' 3.186" W	H20/V3	Survey (9/8/2022)	N/A	930.61	84.47	1,015.08	Horizontal Surface	108.15	Remove
155	Tree	71,069	39° 6' 27.731" N	94° 37' 23.120" W	H20/V3	Survey (9/8/2022)	N/A	839.48	72.53	912.01	Horizontal Surface	5.08	Remove
156	Tree	71,901	39° 6' 30.556" N	94° 33' 35.523" W	H20/V3	Survey (9/8/2022)	N/A	971.32	65.52	1,036.84	Horizontal Surface	129.91	Remove
157	Tree	72,976	39° 6' 33.385" N	94° 34' 29.623" W	H20/V3	Survey (9/8/2022)	N/A	845.45	75.57	921.02	Horizontal Surface	14.09	Remove
158	Tree	73,050	39° 6' 33.579" N	94° 33' 49.443" W	H20/V3	Survey (9/8/2022)	N/A	890.19	106.59	996.78	Horizontal Surface	89.85	Remove
159	Tree	76,587	39° 6' 42.723" N	94° 33' 29.226" W	H20/V3	Survey (9/8/2022)	N/A	945.40	112.26	1,057.66	Horizontal Surface	150.73	Remove
160	Tree	78,658	39° 6' 46.812" N	94° 37' 59.148" W	H20/V3	Survey (9/8/2022)	N/A	878.52	80.35	958.87	Horizontal Surface	51.94	Remove
161	Tree	78,901	39° 6' 47.335" N	94° 37' 14.322" W	H20/V3	Survey (9/8/2022)	N/A	883.85	72.38	956.23	Horizontal Surface	49.30	Remove
162	Tree	79,027	39° 6' 47.574" N	94° 37' 10.586" W	H20/V3	Survey (9/8/2022)	N/A	851.88	76.63	928.51	Horizontal Surface	21.58	Remove
163	Tree	80,210	39° 6' 50.164" N	94° 33' 22.958" W	H20/V3	Survey (9/8/2022)	N/A	947.87	71.06	1,018.93	Horizontal Surface	112.00	Remove
164	Tree	80,841	39° 6' 51.346" N	94° 33' 24.048" W	H20/V3	Survey (9/8/2022)	N/A	906.60	113.38	1,019.98	Horizontal Surface	113.05	Remove
165	Tree	80,926	39° 6' 51.306" N	94° 37' 59.789" W	H20/V3	Survey (9/8/2022)	N/A	892.70	68.05	960.75	Horizontal Surface	53.82	Remove
166	Tree	81,038	39° 6' 51.587" N	94° 37' 34.154" W	H20/V3	Survey (9/8/2022)	N/A	892.89	77.90	970.79	Horizontal Surface	63.86	Remove
167	Tree	81,339	39° 6' 52.611" N	94° 33' 22.131" W	H20/V3	Survey (9/8/2022)	N/A	900.17	104.64	1,004.81	Horizontal Surface	97.88	Remove
168	Tree	88,678	39° 7' 11.320" N	94° 37' 43.119" W	H20/V3	Survey (9/8/2022)	N/A	825.72	100.38	926.10	Horizontal Surface	19.17	Remove
169	Tree	90,058	39° 7' 15.558" N	94° 37' 30.657" W	H20/V3	Survey (9/8/2022)	N/A	851.00	76.07	927.07	Horizontal Surface	20.14	Remove
170	Tree	101,441	39° 7' 47.149" N	94° 37' 42.042" W	H20/V3	Survey (9/8/2022)	N/A	869.62	84.91	954.53	Horizontal Surface	47.60	Remove
171	Tree	102,257	39° 7' 49.748" N	94° 37' 7.551" W	H20/V3	Survey (9/8/2022)	N/A	858.11	68.84	926.95	Horizontal Surface	20.02	Remove
172	Tree	103,384	39° 7' 53.040" N	94° 37' 22.119" W	H20/V3	Survey (9/8/2022)	N/A	883.57	68.53	952.10	Horizontal Surface	45.17	Remove
173	Tree	103,469	39° 7' 53.276" N	94° 37' 42.055" W	H20/V3	Survey (9/8/2022)	N/A	881.16	71.29	952.45	Horizontal Surface	45.52	Remove
174	Tree	111,173	39° 8' 11.664" N	94° 37' 34.415" W	H20/V3	Survey (9/8/2022)	N/A	866.39	70.10	936.49	Horizontal Surface	29.56	Remove
175	Tower	123,239	39° 6' 19.977" N	94° 33' 46.224" W	H20/V3	Survey (9/8/2022)	N/A	943.58	117.75	1,061.33	Horizontal Surface	154.40	Light/Mark
176	Tower	123,266	39° 8' 18.958" N	94° 33' 36.474" W	H20/V3	Survey (9/8/2022)	N/A	737.74	211.92	949.66	Horizontal Surface	42.73	O
177	Building High Point	123,353	39° 5' 47.167" N	94° 34' 39.917" W	H20/V3	Survey (9/8/2022)	N/A	873.93	333.65	1,207.58	Horizontal Surface	300.65	Light/Mark
178	Building High Point	123,389	39° 5' 51.100" N	94° 35' 39.851" W	H20/V3	Survey (9/8/2022)	N/A	943.87	76.63	1,020.50	Horizontal Surface	113.57	Light/Mark
179	Building High Point	123,888	39° 6' 47.204" N	94° 37' 38.644" W	H20/V3	Survey (9/8/2022)	N/A	883.19	102.48	985.67	Horizontal Surface	78.74	Light/Mark
180	Utility Pole	125,295	39° 5' 26.121" N	94° 35' 59.544" W	H20/V3	Survey (9/8/2022)	N/A	871.98	93.24	965.22	Horizontal Surface	58.29	Lower/Relocate
181	Utility Pole	125,448	39° 5' 31.267" N	94° 35' 29.958" W	H20/V3	Survey (9/8/2022)	N/A	922.88	41.50	964.38	Horizontal Surface	57.45	Lower/Relocate
182	Utility Pole	128,709	39° 6' 41.311" N	94° 35' 8.177" W	H20/V3	Survey (9/8/2022)	N/A	807.40	103.41	910.81	Horizontal Surface	3.88	Lower/Relocate
183	Utility Pole	131,646	39° 7' 49.953" N	94° 37' 44.361" W	H20/V3	Survey (9/8/2022)	N/A	875.65	42.47	918.12	Horizontal Surface	11.19	Lower/Relocate
184	Utility Pole	131,649	39° 7' 49.992" N	94° 37' 21.669" W	H20/V3	Survey (9/8/2022)	N/A	861.83	47.82	909.65	Horizontal Surface	2.72	Lower/Relocate
185	Utility Pole	131,841	39° 7' 53.122" N	94° 37' 43.124" W	H20/V3	Survey (9/8/2022)	N/A	888.77	34.02	922.79	Horizontal Surface	15.86	Lower/Relocate
186	Utility Pole	132,229	39° 8' 0.875" N	94° 37' 3.905" W	H20/V3	Survey (9/8/2022)	N/A	854.19	61.47	915.66	Horizontal Surface	8.73	Lower/Relocate
187	Transmission Line	134,489	39° 7' 22.000" N	94° 33' 39.000" W	H20/V3	Survey (9/8/2022)	N/A	744.82	197.18	942.00	Horizontal Surface	35.07	Object Has Obstruction Lighting
188	Transmission Line	134,491	39° 7' 38.365" N	94° 33' 50.377" W	H20/V3	Survey (9/8/2022)	N/A	744.77	192.45	937.22	Horizontal Surface	30.29	Object Has Obstruction Lighting
189	Transmission Line	134,494	39° 7' 51.593" N	94° 37' 23.002" W	H20/V3	Survey (9/8/2022)	N/A	877.69	47.22	924.91	Horizontal Surface	17.98	Light/Mark
190	N Briarcliff Rd	577	39° 9' 39.574" N	94° 35' 10.169" W	N/A	DEM & ESRI Linework	N/A	917.00	15.00	932.00	Conical Surface	21.69	To Remain
191	Ne Hill St	583	39° 9' 35.987" N	94° 34' 49.600" W	N/A	DEM & ESRI Linework	N/A	894.00	15.00	909.00	Conical Surface	1.44	To Remain
192	Building	803	39° 5' 9.000" N	94° 35' 6.000" W	2/C	adip.faa.gov	1994-ACE-440-OE	780.00	217.00	997.00	Conical Surface	53.24	To Remain
193	Tower	814	39° 5' 4.000" N	94° 34' 47.000" W	5/D	adip.faa.gov	1996-ACE-1294-OE	930.00	530.00	1,460.00	Conical Surface	467.54	Object Has Obstruction Lighting
194	Building	840	39° 4' 47.000" N	94° 34' 56.000" W	5/D	adip.faa.gov	2001-ACE-1603-OE	855.00	352.00	1,207.00	Conical Surface	145.36	Object Has Obstruction Lighting
195	Building	841	39° 4' 59.000" N	94° 34' 35.000" W	5/D	adip.faa.gov	2001-ACE-2031-OE	930.00	136.00	1,066.00	Conical Surface	31.17	To Remain
196	Building	855	39° 8' 57.000" N	94° 33' 7.840" W	4/D	adip.faa.gov	2003-ACE-870-OE	818.00	196.00	1,014.00	Conical Surface	0.74	To Remain - See FAA letter dated 7/1/2003
197	Tower	983	39° 6' 12.040" N	94° 33' 5.550" W	1/A	adip.faa.gov	2016-ACE-3389-OE	939.00	122.00	1,061.00	Conical Surface	7.59	To Remain - See FAA letter dated 8/9/2016
198	Tree	1,201	39° 9' 28.800" N	94° 34' 23.630" W	1/A	adip.faa.gov	N/A	No Data	No Data	951.00	Conical Surface	39.19	Remove
199	Building	1,202	39° 9' 30.200" N	94° 34' 23.250" W	1/A	adip.faa.gov	N/A	894.00	26.00	920.00	Conical Surface	1.24	Light/Mark
200	Tree	1,204	39° 9' 46.570" N	94° 34' 18.000" W	2/C	adip.faa.gov	N/A	No Data	No Data	1,011.00	Conical Surface	8.98	Remove
201	Tree	1,210	39° 9' 17.010" N	94° 34' 1.000" W	2/C	adip.faa.gov	N/A	No Data	No Data	969.00	Conical Surface	56.73	Remove
202	Tree	1,216	39° 10' 1.280" N	94° 35' 19.590" W	2/C	adip.faa.gov	N/A	No Data	No Data	1,055.00	Conical Surface	37.50	Remove
203	Tree	1,218	39° 9' 44.930" N	94° 35' 13.850" W	1/A	adip.faa.gov	N/A	No Data	No Data	1,020.00	Conical Surface	84.00	Remove
204	Building	1,725	39° 6' 20.000" N	94° 33' 35.000" W	1/A	adip.faa.gov	N/A	910.00	191.00	1,101.00	Conical Surface	169.50	Feature Lighted
205	National World War I Memorial	1,745	39° 4' 52.000" N	94° 35' 9.000" W	1/A	adip.faa.gov	N/A	934.00	230.00	1,164.00	Conical Surface	139.92	Object Has Obstruction Lighting
206	Building	1,747	39° 5' 14.000" N	94° 34' 53.000" W	3/C	adip.faa.gov	N/A	800.00	242.00	1,042.00	Conical Surface	105.33	Light/Mark
207	Smokestack	1,750	39° 5' 47.980" N	94° 37' 44.910" W	1/A	adip.faa.gov	N/A	889.00	101.00	990.00	Conical Surface	30.08	Light/Mark
208	Spire/Steeple	1,758	39° 6' 36.000" N	94° 38' 43.000" W	1/A	adip.faa.gov	N/A	920.00	155.00	1,075.00	Conical Surface	2.19	Light/Mark
209	Smokestack	1,763	39° 7' 5.000" N	94° 38' 23.000" W	No Data	adip.faa.gov	N/A	890.00	170.00	1,060.00	Conical Surface	73.28	Light/Mark
210	Building	1,764	39° 6' 6.440" N	94° 38' 6.230" W	1/A	adip.faa.gov	N/A	872.00	132.00	1,004.00	Conical Surface	24.14	Object Has Obstruction Lighting
211	Tree	1,769	39° 6' 5.580" N	94° 37' 51.430" W	1/A	adip.faa.gov	N/A	No Data	No Data	945.00	Conical Surface	14.51	Remove
212	Building	2,888	39° 6' 5.098" N	94° 33' 50.806" W	H20/V3	Survey (9/8/2022)	N/A	922.97	64.59	987.56	Conical Surface	78.49	Light/Mark
213	Building	3,139	39° 6' 11.147" N	94° 33' 46.630" W	H20/V3	Survey (9/8/2022)	N/A	924.68	36.10	960.78	Conical Surface	50.61	Light/Mark
214	Building	5,060	39° 6' 38.659" N	94° 33' 25.716" W	H20/V3	Survey (9/8/2022)	N/A	993.31	52.46	1,045.77	Conical Surface	123.17	Light/Mark
215	Building	5,236	39° 6' 40.903" N	94° 33' 17.478" W	H20/V3	Survey (9/8/2022)	N/A	993.42	41.35	1,034.77	Conical Surface	88.06	Light/Mark
216	Light Pole	16,768	39° 6' 57.183" N	94° 33' 5.754" W	H20/V3	Survey (9/8/2022)	N/A	995.24	29.65	1,024.89	Conical Surface	72.25	Lower/Relocate
217	Sign	52,743	39° 5' 48.987" N	94° 34' 2.198" W	H20/V3	Survey (9/8/2022)	N/A	861.59	59.51	921.10	Conical Surface	5.62	Lower/Relocate
218	Spire/Steeple	53,195	39° 7' 56.422" N	94° 37' 45.386" W	H20/V3	Survey (9/8/2022)	N/A	888.24	75.01	963.25	Conical Surface	45.63	Light/Mark
219	Tree	59,629	39° 5' 50.762" N	94° 33' 59.253" W	H20/V3	Survey (9/8/2022)	N/A	868.08	52.45	920.53	Conical Surface	1.25	Remove
220	Tree	64,316	39° 6' 6.749" N	94° 33' 49.487" W	H20/V3	Survey (9/8/2022)	N/A	920.35	70.83	991.18	Conical Surface	81.26	Remove
221	Tree	65,210	39° 6' 9.324" N	94° 33' 40.267" W	H20/V3	Survey (9/8/2022)	N/A	912.16	74.18	986.34	Conical Surface	49.59	Remove
222	Tree	71,368	39° 6' 29.038" N	94° 33' 26.655" W	H20/V3	Survey (9/8/2022)	N/A	982.91	83.36	1,066.27	Conical Surface	125.47	Remove
223	Tree	71,790	39° 6' 30.296" N	94° 33' 23.729" W	H20/V3	Survey (9/8/2022)	N/A	970.94	63.87	1,034.81	Conical Surface	86.48	Remove
224	Tree	73,879	39° 6' 35.824" N	94° 33' 23.160" W	H20/V3	Survey (9/8/2022)	N/A	981.74	91.97	1,073.71	Conical Surface	135.73	Remove
225	Tree	74,664	39° 6' 37.989" N	94° 33' 26.848" W	H20/V3	Survey (9/8/2022)	N/A	989.60	84.08	1,073.68	Conical Surface	153.58	Remove
226	Tree	82,265	39° 6' 55.048" N	94° 33' 11.238" W	H20/V3	Survey (9/8/2022)	N/A	969.80	106.93	1,076.73	Conical Surface	139.45	Remove
227	Tree	85,011	39° 7' 1.595" N	94° 38' 3.981" W	H20/V3	Survey (9/8/2022)	N/A	870.82	50.18	921.00	Conical Surface	10.09	Remove
228	Tree	88,626	39° 7' 11.145" N	94° 38' 4.341" W	H20/V3	Survey (9/8/2022)	N/A	835.36	83.23	918.59	Conical Surface	1.82	Remove
229	Tree	88,716	39° 7' 11.403" N	94° 38' 1.791" W	H20/V3	Survey (9/8/2022)	N/A	859.74	50.29	910.03	Conical Surface	3.01	Remove
230	Tree	102,236	39° 7' 49.617" N	94° 37' 51.475" W	H20/V3	Survey (9/8/2022)	N/A	867.82	82.33	950.15	Conical Surface	23.00	Remove
231	Tree	108,148	39° 8' 3.721" N	94° 37' 47.617" W	H20/V3	Survey (9/8/2022)	N/A	899.42	77.46	976.88	Conical Surface	37.42	Remove
232	Tree	110,457	39° 8' 9.416" N	94° 37' 35.830" W	H20/V3	Survey (9/8/2022)	N/A	865.52	62.97	928.49	Conical Surface	21.50	Remove
233	Tree	110,749	39° 8' 10.320" N	94° 37' 40.962" W	H20/V3	Survey (9/8/2022)	N/A	868.14	87.69	955.83	Conical Surface	28.37	Remove
234	Tree	111,251	39° 8' 11.866" N	94° 37' 35.022" W	H20/V3	Survey (9/8/2022)	N/A	861.51	75.98	937.49	Conical Surface	28.86	Remove

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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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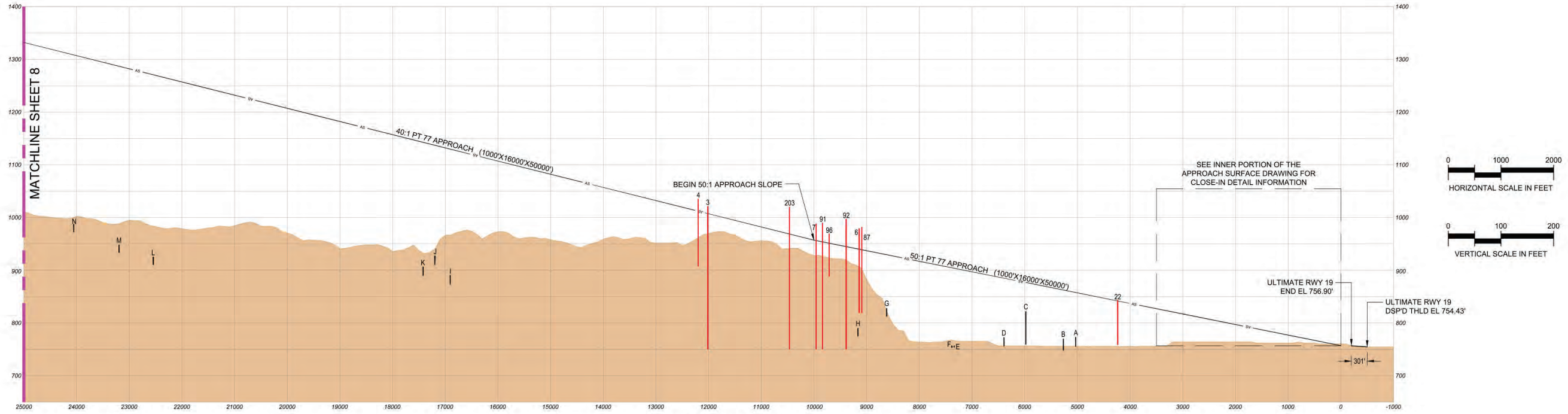
Drawing Scale: Varies
Designed By: P.T. | Drawn By: D.P.
Checked By: M.D. | Approved By: M.D.
Consultant Project No.: 22MP17 | Initial Issue Date: 2022

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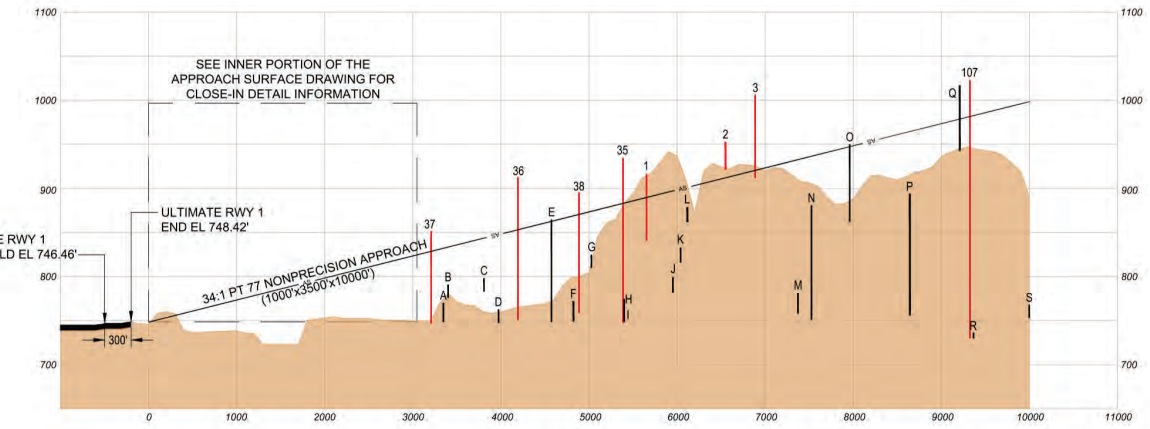
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KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 8 of 27

KANSAS CITY Aviation



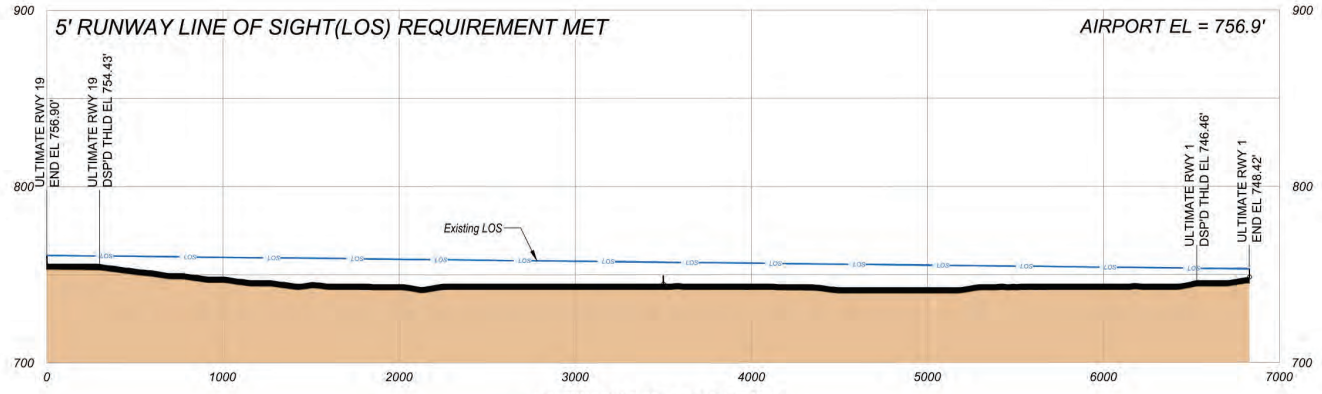
RUNWAY 19 PROFILE



RUNWAY 1 PROFILE

GENERAL NOTES:

1. AIRPORT SPECIFIC ZONING HEIGHT RESTRICTIONS ARE ESTABLISHED PER THE CITY OF KANSAS CITY, MISSOURI CODE OF ORDINANCES, SECTION 6-72: AIRPORT HEIGHT ZONES WHICH ESTABLISH THE MAXIMUM ALLOWABLE ELEVATION OF ANY STRUCTURE WITHIN THE AIRPORT HEIGHT ZONES IDENTIFIED ON THE CHARLES B. WHEELER AIRPORT HEIGHT ZONE MAP DATED JUNE 20, 2003 (ORD. NO. 62508, PASSED APRIL 1, 1966, AS AMENDED).
2. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.
3. ALL ELEVATIONS IN MSL FEET.



RUNWAY 19-1 PROFILE

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Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawing Scale	
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Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

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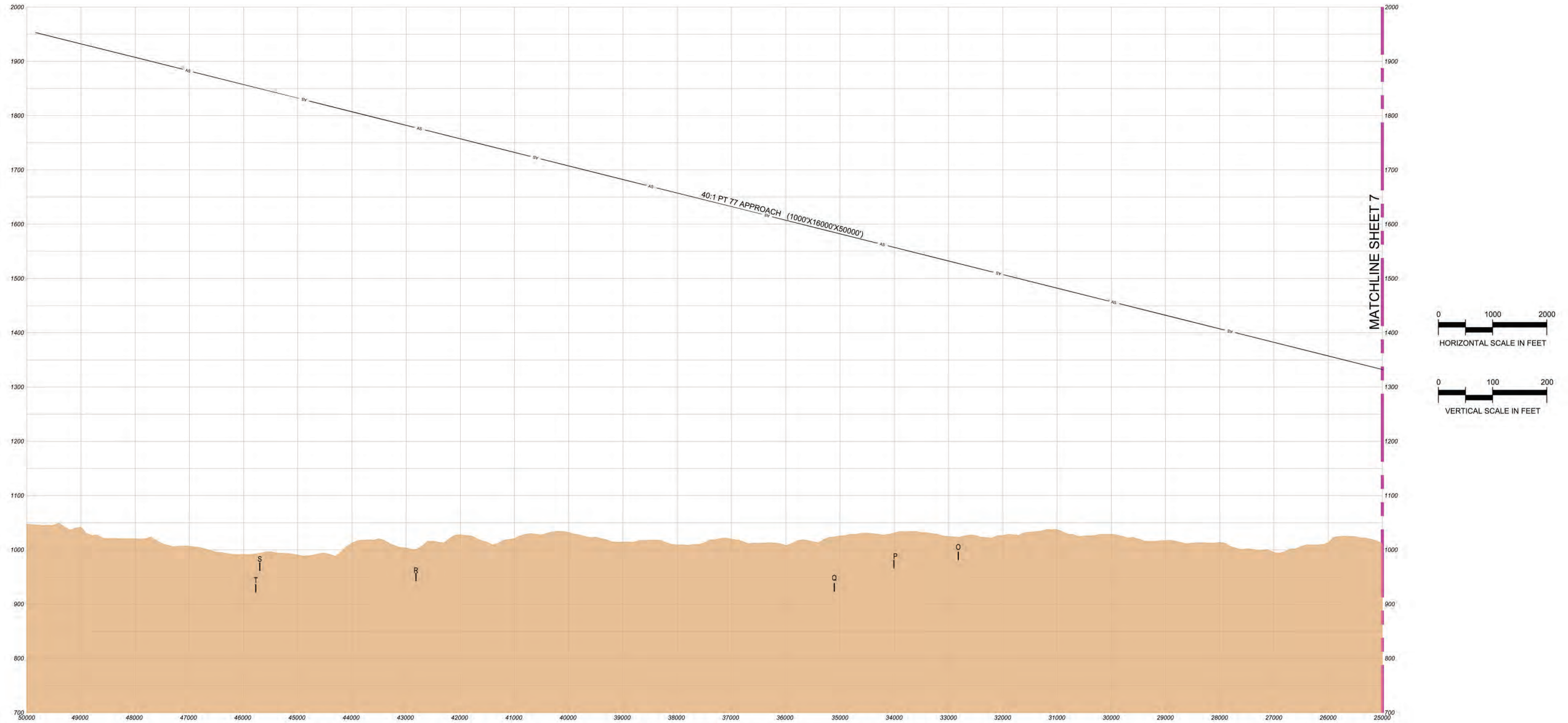
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Drawing Title: AIRPORT AIRSPACE APPROACH PROFILE RUNWAY 19-1

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 9 of 27

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RUNWAY 19 PROFILE

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2. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.
3. ALL ELEVATIONS IN MSL FEET.

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AVIATION DEPARTMENT
KANSAS CITY Downtown Airport – Wheeler Field MKC

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawing Scale	
Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

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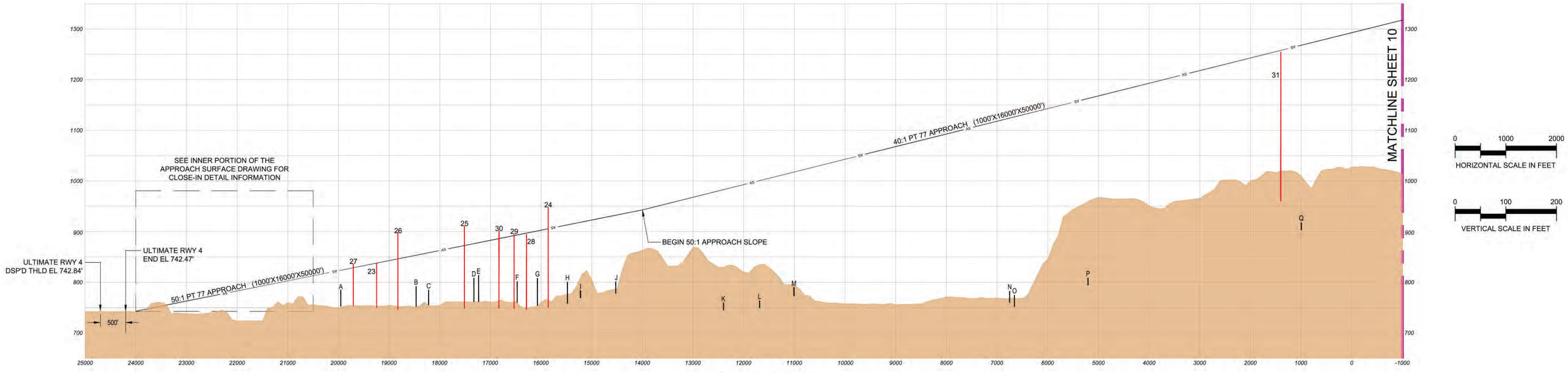
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Drawing Title: AIRPORT AIRSPACE APPROACH PROFILE RUNWAY 19

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 10 of 27

KANSAS CITY Aviation

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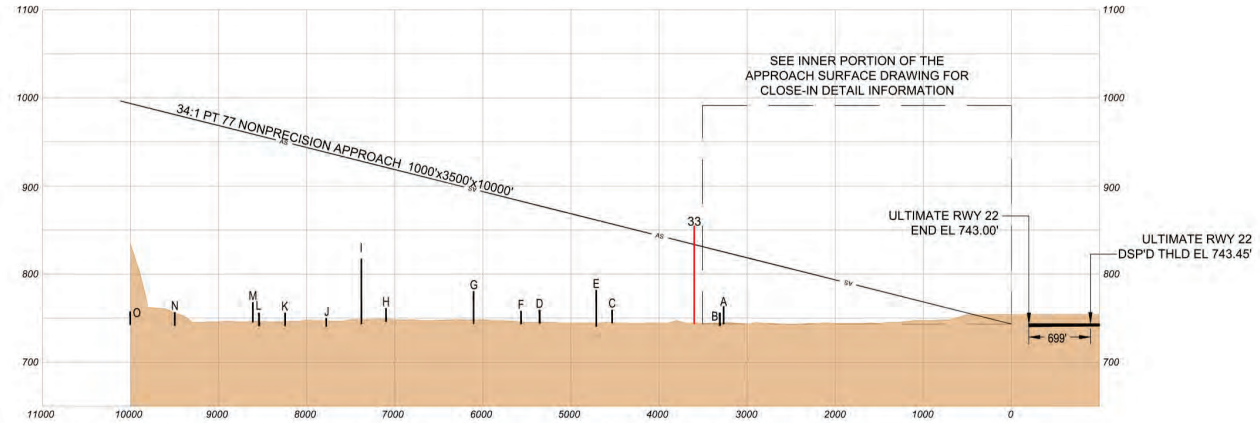
RUNWAY 4 PROFILE

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HORIZONTAL SCALE IN FEET

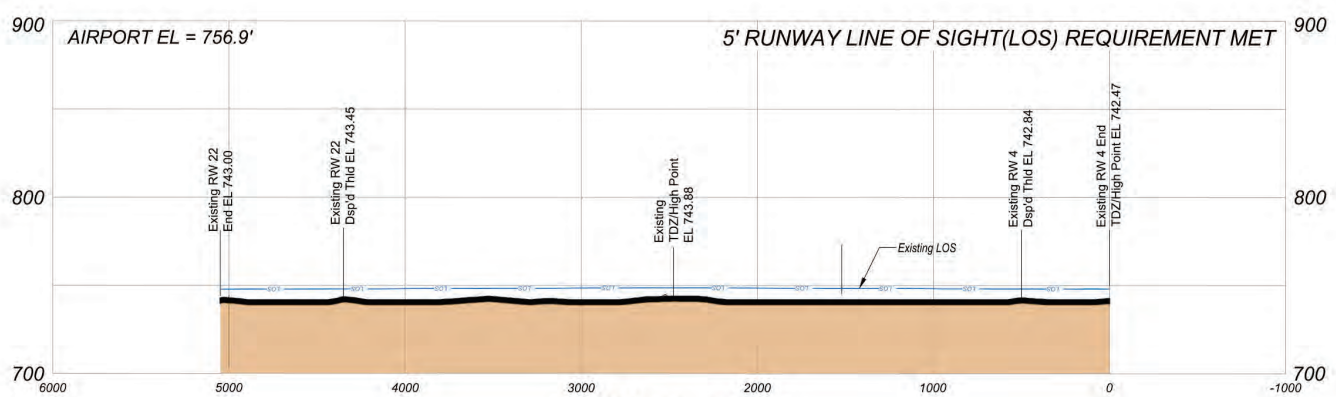
0 100 200
VERTICAL SCALE IN FEET

GENERAL NOTES:

1. AIRPORT SPECIFIC ZONING HEIGHT RESTRICTIONS ARE ESTABLISHED PER THE CITY OF KANSAS CITY, MISSOURI CODE OF ORDINANCES, SECTION 6-72: AIRPORT HEIGHT ZONES WHICH ESTABLISH THE MAXIMUM ALLOWABLE ELEVATION OF ANY STRUCTURE WITHIN THE AIRPORT HEIGHT ZONES IDENTIFIED ON THE CHARLES B. WHEELER AIRPORT HEIGHT ZONE MAP DATED JUNE 20, 2003 (ORD. NO. 62508, PASSED APRIL 1, 1966, AS AMENDED).
2. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.
3. ALL ELEVATIONS IN MSL FEET.



RUNWAY 22 PROFILE



RUNWAY 4-22 PROFILE

0 500 1000
HORIZONTAL SCALE IN FEET

0 50 100
VERTICAL SCALE IN FEET

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Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

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Drawing Title: AIRPORT AIRSPACE APPROACH AND RUNWAY 4-22 PROFILES

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

Drawing No.

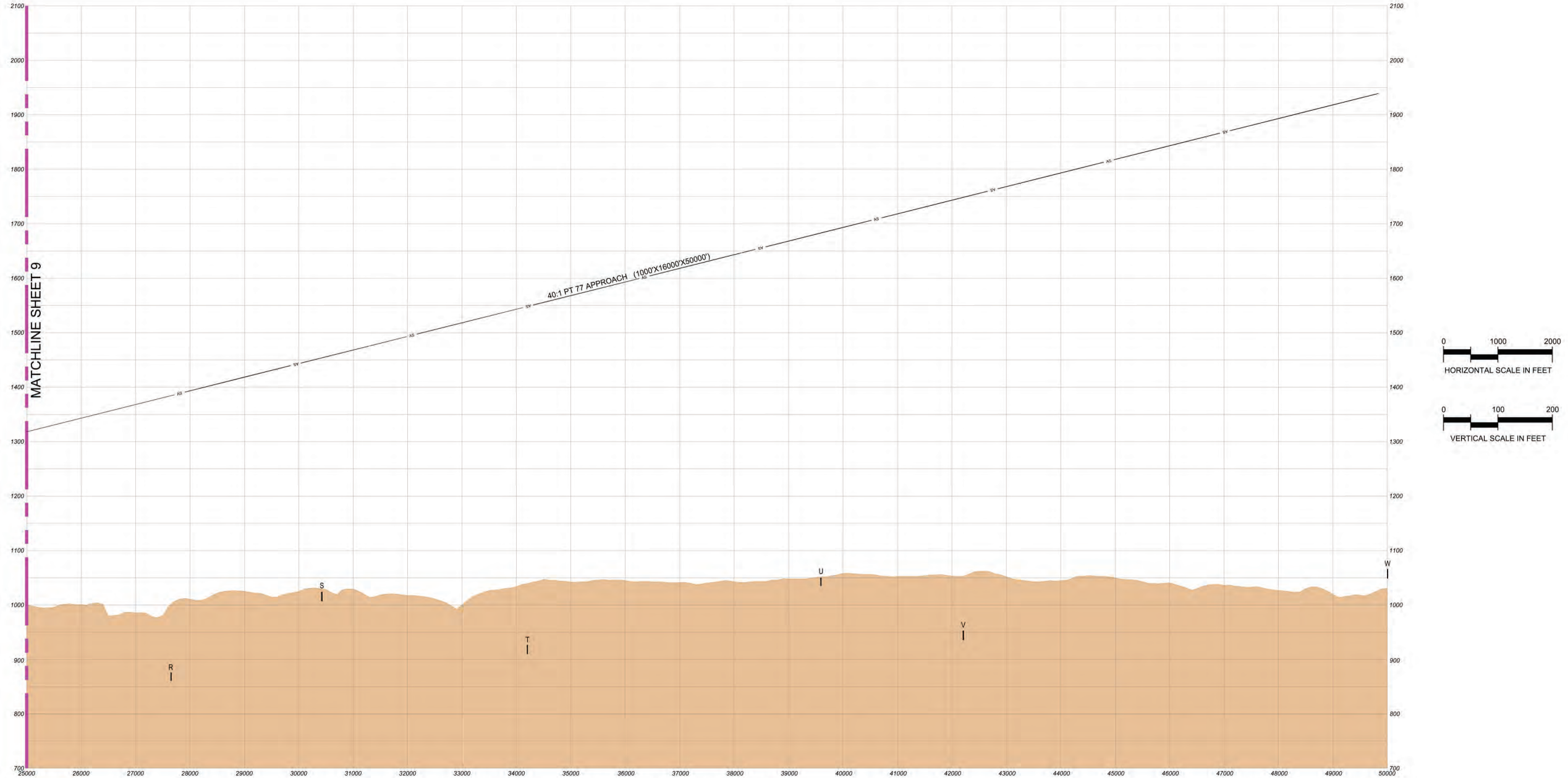
Drawing 11 of 27

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Design Phase: DRAFT

Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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RUNWAY 4 PROFILE

0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

GENERAL NOTES:

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Design Phase: DRAFT	Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

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Drawing Title: AIRPORT AIRSPACE APPROACH PROFILE RUNWAY 4

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

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Runway 19 Outer Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.) Part 77 50:1/40:1 Approach	Remediation
22	Tree	118,797	39° 8' 43.851" N	94° 35' 25.387" W	H20/V3	MTZ	N/A	1.00	101.83	843.21	1.57	Remove
87	Tower	864	39° 9' 27.196" N	94° 34' 52.060" W	2/C	ADIP	2007-ACE-2970-OE	2.00	163.00	982.00	43.26	Object Has Obstruction Lighting
5	Tree	1,198	39° 9' 25.950" N	94° 34' 44.130" W	1/A	ADIP	N/A	No Data	No Data	984.00	44.98	Remove
6	Tank	863	39° 9' 28.000" N	94° 34' 53.700" W	5/D	ADIP	2007-ACE-1743-OE	4.00	160.00	979.00	39.25	Object Has Obstruction Lighting
92	Tree	1,199	39° 9' 28.620" N	94° 34' 43.000" W	1/A	ADIP	N/A	No Data	No Data	997.00	52.32	Lower/Relocate
96	Pole	1,221	39° 9' 35.610" N	94° 35' 4.160" W	1/A	ADIP	N/A	6.00	81.00	969.00	17.85	Object Has Obstruction Lighting
91	Tree	1,196	39° 9' 34.350" N	94° 34' 49.610" W	1/A	ADIP	N/A	No Data	No Data	990.00	36.30	Remove
7	Tree	1,220	39° 9' 38.650" N	94° 35' 7.160" W	1/A	ADIP	N/A	No Data	No Data	988.00	31.88	Remove
203	Tree	1,218	39° 9' 44.930" N	94° 35' 13.850" W	1/A	ADIP	N/A	No Data	No Data	1,020.00	51.48	Remove
1	Tree	1,219	39° 9' 55.330" N	94° 35' 10.410" W	2/C	ADIP	N/A	No Data	No Data	1,029.00	33.33	Remove
2	Tree	1,197	39° 9' 55.300" N	94° 34' 50.810" W	1/A	ADIP	N/A	No Data	No Data	1,024.00	19.92	Remove
3	Tree	1,217	39° 10' 1.420" N	94° 35' 18.210" W	2/C	ADIP	N/A	No Data	No Data	1,021.00	13.67	Remove
4	Tower	856	39° 9' 55.516" N	94° 34' 34.100" W	2/C	ADIP	2004-ACE-1168-OE	13.00	128.00	1,035.00	23.16	To Remain - See FAA letter dated 9/20/2004

Runway 19 Outer Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Part 77 50:1/40:1 Approach
A	Building	125,024	39° 8' 47.540" N	94° 35' 0.527" W	H20/V3	Survey (9/8/2022)	742.53	32.89	775.42	82.10
B	Burlington Northern/Santa Fe RR	52,211	39° 8' 51.183" N	94° 35' 7.632" W	H20/V3	Survey (9/8/2022)	749.51	23.00	772.51	89.75
C	Tree	121,577	39° 9' 1.299" N	94° 35' 24.195" W	H20/V3	Survey (9/8/2022)	738.15	86.26	824.41	52.08
D	Building	125,222	39° 9' 1.541" N	94° 35' 1.635" W	H20/V3	Survey (9/8/2022)	742.06	32.73	774.79	109.99
E	Burlington Ave	44,781	39° 9' 11.407" N	94° 35' 3.190" W	H20/V3	Survey (9/8/2022)	743.82	15.00	758.82	144.89
F	NE 32nd Ave	44,674	39° 9' 8.355" N	94° 34' 43.343" W	H20/V3	Survey (9/8/2022)	744.29	15.00	759.29	145.27
G	N Oak Trfy	133	39° 9' 19.872" N	94° 34' 37.416" W	N/A	DEM & ESRI Linework	815.00	15.00	830.00	99.35
H	Us Hwy 169	132	39° 9' 33.084" N	94° 35' 21.333" W	N/A	DEM & ESRI Linework	777.00	15.00	792.00	148.23
I	I 29	213	39° 10' 50.234" N	94° 35' 14.126" W	N/A	DEM & ESRI Linework	875.00	17.00	892.00	237.54
J	I 29	620	39° 10' 46.464" N	94° 34' 35.697" W	N/A	DEM & ESRI Linework	912.00	17.00	929.00	207.86
K	I 29	249	39° 10' 41.863" N	94° 33' 56.498" W	N/A	DEM & ESRI Linework	891.00	17.00	908.00	234.47
L	Nw Englewood Rd	215	39° 11' 46.445" N	94° 35' 8.873" W	N/A	DEM & ESRI Linework	911.00	15.00	926.00	344.51
M	Ne Englewood Rd	640	39° 11' 44.298" N	94° 34' 18.951" W	N/A	DEM & ESRI Linework	934.00	15.00	949.00	337.81
N	Ne Englewood Rd	258	39° 11' 43.628" N	94° 33' 25.655" W	N/A	DEM & ESRI Linework	973.00	15.00	988.00	320.22
O	Nw 72nd St	147	39° 13' 28.892" N	94° 34' 59.293" W	N/A	DEM & ESRI Linework	981.00	15.00	996.00	531.44
P	Ne 72nd St	587	39° 13' 28.521" N	94° 33' 48.755" W	N/A	DEM & ESRI Linework	966.00	15.00	981.00	576.03
Q	Ne 72nd St	228	39° 13' 26.607" N	94° 32' 34.194" W	N/A	DEM & ESRI Linework	923.00	15.00	938.00	646.58
R	State Hwy 152	226	39° 14' 38.438" N	94° 31' 58.272" W	N/A	DEM & ESRI Linework	941.00	15.00	956.00	821.36
S	State Hwy 152	159	39° 15' 37.291" N	94° 34' 47.274" W	N/A	DEM & ESRI Linework	960.00	15.00	975.00	874.45
T	State Hwy 152	610	39° 15' 22.000" N	94° 33' 15.847" W	N/A	DEM & ESRI Linework	920.00	15.00	935.00	916.25

Runway 4 Outer Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.) Part 77 50:1/40:1 Approach	Remediation
23	Elevator	9,397	39° 6' 26.706" N	94° 36' 30.674" W	H20/V3	Survey (9/8/2022)	N/A	753.18	83.25	836.43	12.01	Light/Mark
24	Tower	931	39° 6' 21.400" N	94° 36' 31.500" W	5/D	adip.faa.gov	2015-ACE-2154-OE	750.00	87.00	837.00	3.36	To Remain - See FAA letter dated 2/4/2016
25	Elevator	9,396	39° 6' 13.600" N	94° 36' 27.410" W	H20/V3	Survey (9/8/2022)	2017-ACE-7231-OE	746.07	152.92	898.99	56.99	Light/Mark
26	Elevator	9,393	39° 6' 1.970" N	94° 36' 35.410" W	H20/V3	adip.faa.gov	N/A	748.01	162.99	911.00	42.72	Object Has Obstruction Lighting
27	Utility Pole	126,130	39° 5' 56.804" N	94° 36' 40.983" W	H20/V3	Survey (9/8/2022)	N/A	748.27	152.95	901.22	19.29	Lower/Relocate
28	Light Pole	13,011	39° 6' 7.983" N	94° 37' 5.155" W	H20/V3	Survey (9/8/2022)	N/A	748.11	147.32	895.43	7.55	Lower/Relocate
29	Light Pole	12,442	39° 6' 2.429" N	94° 37' 1.147" W	H20/V3	Survey (9/8/2022)	N/A	746.45	148.44	894.89	2.13	Lower/Relocate
30	Stack	1,753	39° 5' 52.000" N	94° 36' 53.000" W	2/C	adip.faa.gov	N/A	750.00	198.00	948.00	46.68	Light/Mark
31	Tower	798	39° 3' 44.000" N	94° 38' 21.000" W	5/D	adip.faa.gov	1989-ACE-296-OE	960.00	295.00	1,255.00	2.50	Light/Mark

Runway 4 Outer Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Part 77 50:1/40:1 Approach
A	Building	123,791	39° 6' 31.609" N	94° 36' 37.660" W	H20/V3	Survey (9/8/2022)	752.12	32.81	784.93	38.56
B	Central Ave Viaduct	28,869	39° 6' 14.162" N	94° 36' 39.748" W	H20/V3	Survey (9/8/2022)	777.28	15.00	792.28	60.92
C	S James St	27,292	39° 6' 4.137" N	94° 36' 28.550" W	H20/V3	Survey (9/8/2022)	769.80	15.00	784.80	73.32
D	Central Ave (Bridge)	28,009	39° 6' 9.203" N	94° 36' 55.003" W	H20/V3	Survey (9/8/2022)	793.56	15.00	808.56	67.45
E	I 670	21,801	39° 5' 56.086" N	94° 36' 35.646" W	H20/V3	Survey (9/8/2022)	796.95	17.00	813.95	63.89
F	Central Ave	27,867	39° 6' 8.578" N	94° 37' 11.451" W	H20/V3	Survey (9/8/2022)	786.72	15.00	801.72	91.38
G	I 670	21,903	39° 5' 57.485" N	94° 37' 1.649" W	H20/V3	Survey (9/8/2022)	791.23	17.00	808.23	92.86
H	Building	2,322	39° 5' 40.359" N	94° 36' 46.044" W	H20/V3	Survey (9/8/2022)	758.29	42.59	800.88	112.08
I	Service Rd	26,500	39° 5' 59.218" N	94° 37' 21.790" W	H20/V3	Survey (9/8/2022)	768.97	15.00	783.97	134.10
J	M P Railroad	78	39° 5' 43.694" N	94° 37' 10.935" W	N/A	DEM & ESRI Linework	778.00	23.00	801.00	131.05
K	Armourdale Pkwy	453	39° 5' 13.486" N	94° 37' 5.401" W	N/A	DEM & ESRI Linework	745.00	15.00	760.00	222.55
L	Us Hwy 169	746	39° 5' 21.729" N	94° 37' 33.277" W	N/A	DEM & ESRI Linework	749.00	15.00	764.00	236.34
M	I 70	455	39° 5' 31.509" N	94° 38' 2.965" W	N/A	DEM & ESRI Linework	773.00	17.00	790.00	227.30
N	At SF Railroad	42	39° 4' 24.541" N	94° 37' 41.468" W	N/A	DEM & ESRI Linework	760.00	23.00	783.00	340.72
O	KCT Railroad	67	39° 4' 42.753" N	94° 38' 12.910" W	N/A	DEM & ESRI Linework	752.00	23.00	775.00	351.12
P	Us Hwy 69	556	39° 4' 51.889" N	94° 38' 57.332" W	N/A	DEM & ESRI Linework	794.00	15.00	809.00	353.39
Q	Us Hwy 69	736	39° 3' 58.901" N	94° 38' 57.481" W	N/A	DEM & ESRI Linework	903.00	15.00	918.00	349.62
R	Ramp	433	39° 2' 54.436" N	94° 38' 47.826" W	N/A	DEM & ESRI Linework	861.00	15.00	876.00	507.60
S	I 635	551	39° 3' 32.533" N	94° 40' 46.145" W	N/A	DEM & ESRI Linework	1,007.00	17.00	1,024.00	428.93
T	I 635	733	39° 2' 32.193" N	94° 40' 25.553" W	N/A	DEM & ESRI Linework	910.00	17.00	927.00	620.37
U	Metcalf Ave	382	39° 1' 10.895" N	94° 40' 4.011" W	N/A	DEM & ESRI Linework	1,035.00	15.00	1,050.00	632.20
V	I 35	689	39° 1' 30.133" N	94° 41' 28.541" W	N/A	DEM & ESRI Linework	936.00	17.00	953.00	794.56
W	I 35	375	38° 59' 59.476" N	94° 41' 40.884" W	N/A	DEM & ESRI Linework	-9,999.00	17.00	-9,982.00	11,924.47

Runway 1 Outer Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Valu Existing Part 77 34:1 Approach	Remediation
37	Smokestack	10,128	39° 6' 18.591" N	94° 35' 44.720" W	H20/V3	Survey (9/8/2022)	N/A	746.88	104.35	851.23	8.41	Light/Mark
36	Building	3,135	39° 6' 10.896" N	94° 35' 57.650" W	H20/V3	Survey (9/8/2022)	N/A	750.97	161.92	912.89	41.15	Light/Mark
38	Light Pole	12,341	39° 6' 1.549" N	94° 35' 44.342" W	H20/V3	Survey (9/8/2022)	N/A	758.70	136.88	895.58	3.48	Lower/Relocate
35	Building	2,709	39° 6' 0.030" N	94° 36' 4.597" W	H20/V3	Survey (9/8/2022)	N/A	747.61	186.79	934.40	27.58	Object Has Obstruction Lighting
1	Tree	60,358	39° 5' 53.814" N	94° 35' 44.733" W	H20/V3	Survey (9/8/2022)	N/A	840.97	75.80	916.77	2.01	Remove
2	Building	2,468	39° 5' 45.063" N	94° 35' 46.593" W	H20/V3	Survey (9/8/2022)	N/A	921.00	31.96	952.96	11.85	Light/Mark
3	Tree	57,637	39° 5' 41.633" N	94° 35' 46.444" W	H20/V3	Survey (9/8/2022)	N/A	911.74	94.75	1,006.49	55.50	Remove
107	Tree	1,748	39° 5' 18.730" N	94° 35' 56.750" W	1/A	adip.faa.gov	N/A	No Data	No Data	1,023.00	0.28	Remove

Runway 1 Outer Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Existing Part 77 34:1 Approach
A	Building	3,502	39° 6' 19.970" N	94° 36' 0.464" W	H20/V3	Survey (9/8/2022)	748.46	21.55	770.01	76.82
B	Forester Viatuct	29,267	39° 6' 16.260" N	94° 35' 42.482" W	H20/V3	Survey (9/8/2022)	775.89	15.00	790.89	57.57
C	Forester Viatuct	28,857	39° 6' 14.163" N	94° 35' 54.086" W	H20/V3	Survey (9/8/2022)	783.02	15.00	798.02	62.43
D	W 9th St	28,906	39° 6' 14.388" N	94° 36' 4.785" W	H20/V3	Survey (9/8/2022)	747.69	15.00	762.69	102.55
E	Building	2,971	39° 6' 6.962" N	94° 35' 57.376" W	H20/V3	Survey (9/8/2022)	748.92	115.69	864.61	18.41
F	Missouri Pacific RR	45,681	39° 6' 6.746" N	94° 36' 10.463" W	H20/V3	Survey (9/8/2022)	749.04	23.00	772.04	118.27
G	12th St Viaduct	26,905	39° 6' 2.022" N	94° 35' 55.353" W	H20/V3	Survey (9/8/2022)	809.83	15.00	824.83	71.51
H	Burlington Northern/Santa Fe RR	45,455	39° 5' 58.307" N	94° 35' 55.539" W	H20/V3	Survey (9/8/2022)	751.46	23.00	774.46	132.75
I	W 12th St	26,771	39° 6' 1.156" N	94° 36' 11.905" W	H20/V3	Survey (9/8/2022)	748.89	15.00	763.89	143.38
J	I 670	21,809	39° 5' 56.149" N	94° 36' 15.227" W	H20/V3	Survey (9/8/2022)	782.00	17.00	799.00	124.50
K	I 670	21,557	39° 5' 52.243" N	94° 35' 58.178" W	H20/V3	Survey (9/8/2022)	816.08	17.00	833.08	93.08
L	I 670	21,368	39° 5' 49.359" N	94° 35' 46.008" W	H20/V3	Survey (9/8/2022)	861.79	17.00	878.79	49.56
M	Burlington Northern/Santa Fe RR	45,054	39° 5' 39.597" N	94° 36' 2.979" W	H20/V3	Survey (9/8/2022)	758.31	23.00	781.31	184.01
N	Building	2,339	39° 5' 40.854" N	94° 36' 18.936" W	H20/V3	Survey (9/8/2022)	751.11	130.01	881.12	88.67
O	Tree	55,585	39° 5' 31.036" N	94° 35' 48.091" W	H20/V3	Survey (9/8/2022)	862.37	87.64	950.01	32.58
P	Building	811	39° 5' 30.430" N	94° 36' 24.060" W	1/A	Survey (9/8/2022)	756.00	138.00	894.00	108.66
Q	Pole	1,749	39° 5' 19.320" N	94° 35' 53.460" W	1/A	Survey (9/8/2022)	943.00	74.00	1,017.00	2.33
R	State Hwy 32	140	39° 5' 24.248" N	94° 36' 30.571" W	N/A	DEM & ESRI Linework	721.00	15.00	736.00	287.92
S	W 23rd Street Trfy	144	39° 5' 15.397" N	94° 36' 16.669" W	N/A	DEM & ESRI Linework	753.00	15.00	768.00	274.54

Runway 22 Outer Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.) Part 77 50:1/40:1 Approach	Remediation
33	Tower	123,265	39° 8' 7.970" N	94° 34' 46.183" W	H20/V3	Survey (9/8/2022)	2013-ACE-319	743.34	111.19	854.53	5.75	Object Has Obstruction Lighting

Runway 22 Outer Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Part 77 50:1/40:1 Approach
A	Building	124,532	39° 8' 9.176" N	94° 34' 54.937" W	H20/V3	Survey (9/8/2022)	742.98	20.18	763.16	75.82
B	Swift St	39,790	39° 7' 59.651" N	94° 34' 38.664" W	H20/V3	Survey (9/8/2022)	741.09	15.00	756.09	84.13
C	Swift St	40,915	39° 8' 14.978" N	94° 34' 38.488" W	H20/V3	Survey (9/8/2022)	744.01	15.00	759.01	117.19
D	Clay St	41,717	39° 8' 27.838" N	94° 34' 42.487" W	H20/V3	Survey (9/8/2022)	743.92	15.00	758.92	141.50
E	Building	124,557	39° 8' 11.076" N	94° 34' 28.479" W	H20/V3	Survey (9/8/2022)	739.83	41.67	781.50	232.40
F	Iron St	40,918	39° 8' 15.050" N	94° 34' 17.475" W	H20/V3	Survey (9/8/2022)	742.76	15.00	757.76	148.87
G	Light Pole	18,939	39° 8' 27.178" N	94° 34' 26.113" W	H20/V3	Survey (9/8/2022)	743.28	36.66	779.94	303.56
H	Armour Rd	42,292	39° 8' 34.837" N	94° 34' 18.182" W	H20/V3	Survey (9/8/2022)	745.87	15.00	760.87	190.86
I	Building	8,351	39° 8' 43.642" N	94° 34' 26.690" W	H20/V3	Survey (9/8/2022)	742.91	74.01	816.92	143.08
J	Building	7,886	39° 8' 31.345" N	94° 33' 58.717" W	H20/V3	Survey (9/8/2022)	739.95	9.78	749.73	221.90
K	Howell St	43,726	39° 8' 51.151" N	94° 34' 21.180" W	H20/V3	Survey (9/8/2022)	740.64	15.00	755.64	229.80
L	Howell St	44,012	39° 8' 54.841" N	94° 34' 21.103" W	H20/V3	Survey (9/8/2022)	740.64	15.00	755.64	238.51
M	Building	8,550	39° 8' 46.377" N	94° 34' 5.972" W	H20/V3	Survey (9/8/2022)	745.39	22.28	767.67	228.55
N	I 29 Ramp	43,162	39° 8' 43.887" N	94° 33' 43.828" W	H20/V3	Survey (9/8/2022)	741.35	15.00	756.35	265.96
O	Ozark St	360	39° 8' 57.368" N	94° 33' 55.356" W	N/A	DEM & ESRI Linework	742.00	15.00	757.00	280.13

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

Design Phase: DRAFT

Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Coffman Associates
Airport Consultants
www.coffmanassociates.com

Drawing Scale: Varies

Designed By	Drawn By
P.T.	D.P.
Checked By	Approved By
M.D.	M.D.
Consultant Project No.	Initial Issue Date
22MP17	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: AIRPORT AIRSPACE APPROACH TABLES RUNWAYS 19-1 AND 4-22

KCAD Project Title: KCAD PROJECT NAME

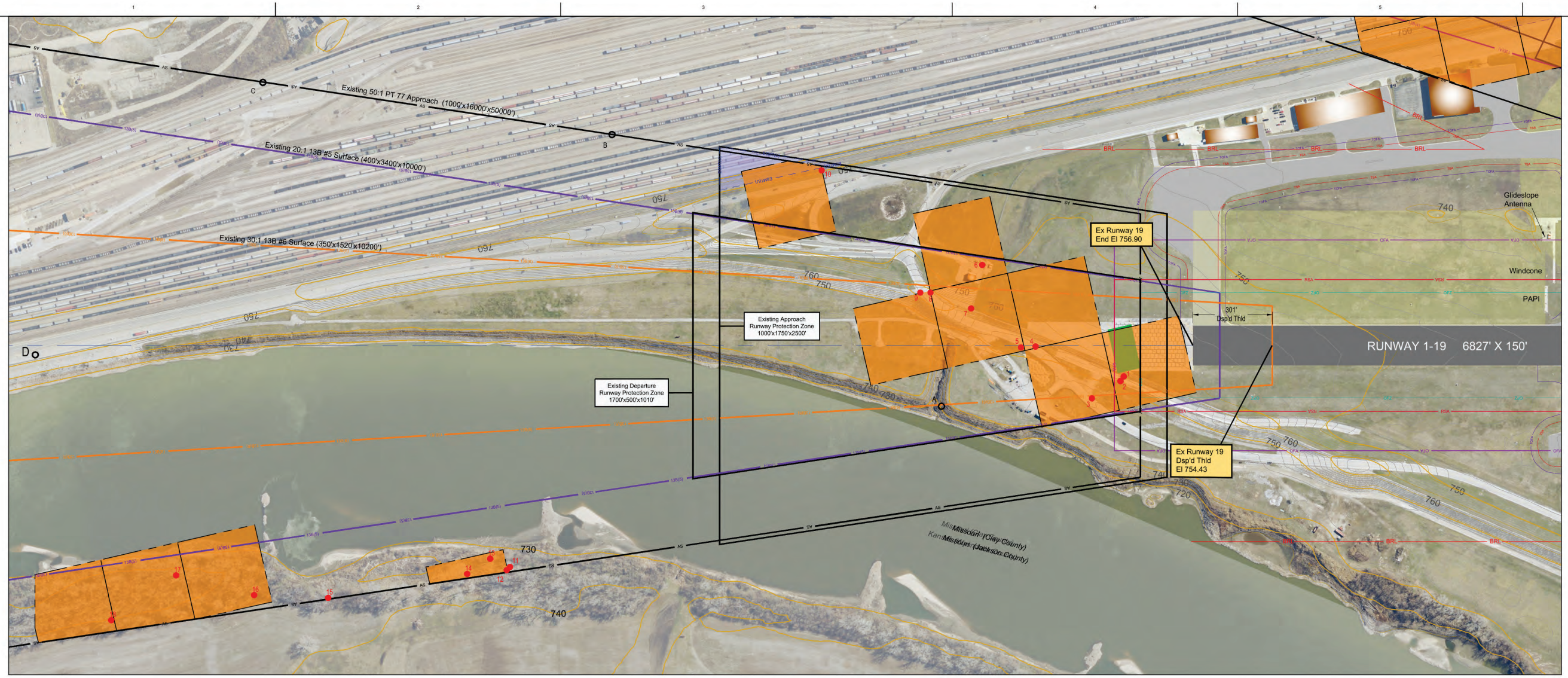
KCAD Project No.: 62220555

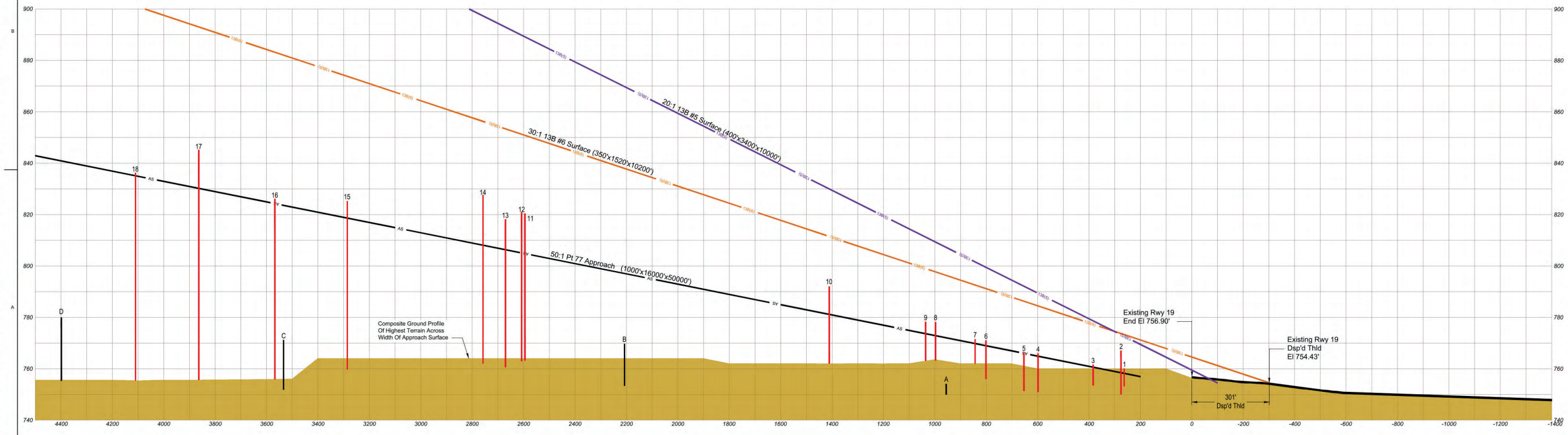
Drawing No.

Drawing 13 of 27

KANSAS CITY Aviation

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GENERAL NOTES:

1. Horizontal datum: north american datum 1983 - nad83; Vertical datum: north american datum 1988 - navd88.
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Obstructions within grids represent tallest manmade and/or natural and/or terrain feature. Grids within inner approach surfaces are 300'x300'.
4. All terrain within terrain obstruction area is an obstruction to noted surfaces(s). Grid sections containing terrain obstruction areas may or may not contain a referenced terrain obstruction point.
5. See sheet 16 for obstruction and significant object tabular data.
6. Triggering event: ALP Master Plan Update.
7. All elevations in msl feet.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
	N/A	Airport Property Line
		Section Corners
DESIGNATION		Survey Monument with Identifier
		Obstruction Identifier
		Significant Object Identifier
		Obstruction Grid
OFA	SAME	Object Free Area
RSA	SAME	Runway Safety Area
OFZ	SAME	Obstacle Free Zone
RPZ	SAME	Runway Protection Zone
TOFA	TOFA (D)	Taxiway Object Free Area
TSA	TSA (D)	Taxiway Safety Area
	SAME	Critical Area
740		Topographic Contours

MAGNETIC NORTH
NORTH

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

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AVIATION DEPARTMENT

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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022
Design Phase	DRAFT
Design Package	AIRPORT LAYOUT PLAN DRAWINGS

REVISIONS

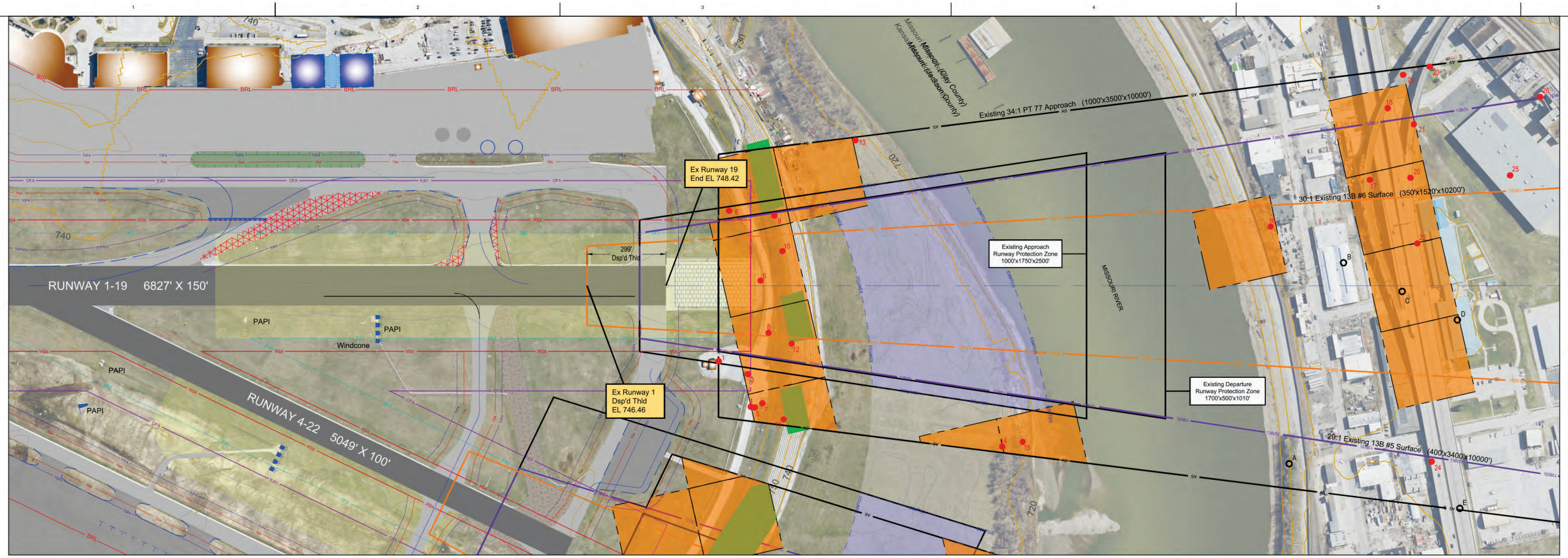
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: INNER PORTION OF THE APPROACH SURFACE DRAWING RUNWAY 19

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.:

KANSAS CITY Aviation

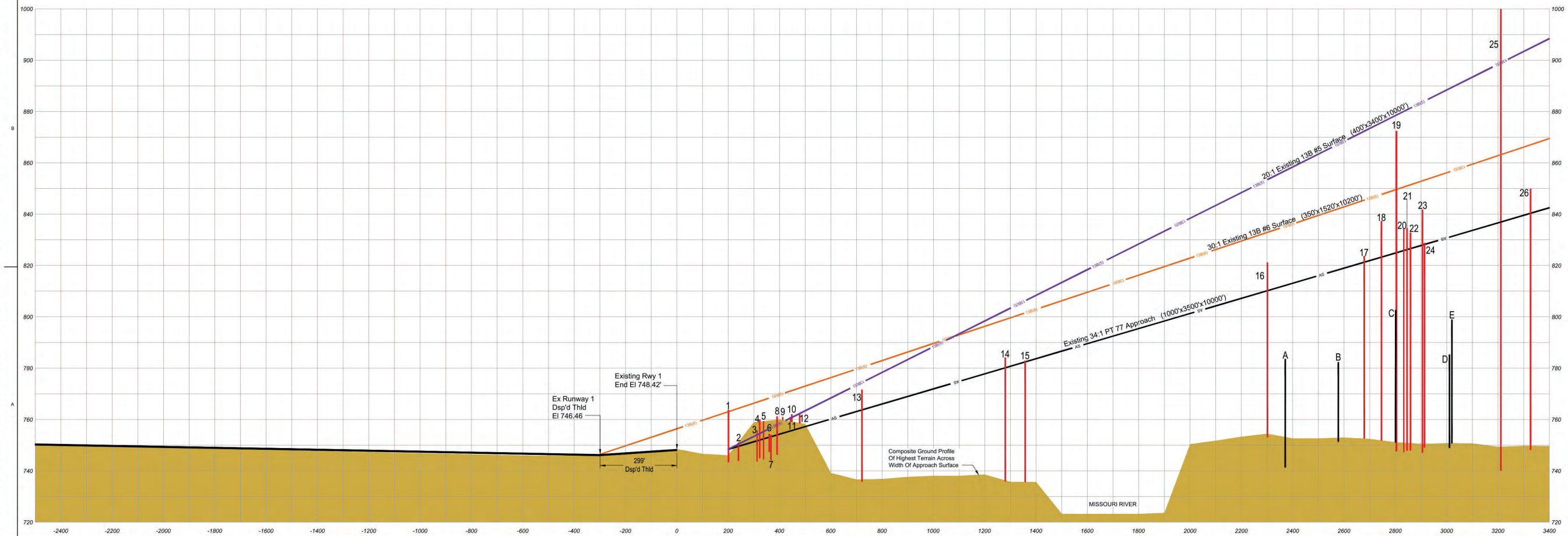
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GENERAL NOTES:

1. Horizontal datum: north american datum 1983 - nad83; Vertical datum: north american datum 1988 - navd88.
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Obstructions within grids represent tallest manmade and/or natural and/or terrain feature. Grids within inner approach surfaces are 300'x300'.
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5. See sheet 16 for obstruction and significant object tabular data.
6. Triggering event: ALP Master Plan Update.
7. All elevations in msl feet.

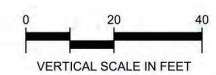
LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
	N/A	Airport Property Line
N/A		Ultimate Easement
		Section Corners
	DESIGNATION	Survey Monument With Identifier
		Obstruction Identifier
		Significant Object Identifier
		Terrain Obstruction
		Obstruction Grid
OFA	SAME	Object Free Area
RSA	SAME	Runway Safety Area
OFZ	SAME	Obstacle Free Zone
RPZ	SAME	Runway Protection Zone
TOFA	TOFA (U)	Taxiway Object Free Area
TSA	TSA (U)	Taxiway Safety Area
	SAME	Critical Area
740		Topographic Contours





Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)





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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS				
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title
INNER PORTION OF THE APPROACH SURFACE DRAWING
RUNWAY 1

KCAD Project Title
KCAD PROJECT NAME

KCAD Project No.
62220555

Drawing No.

Drawing 15 of 27

Design Phase
DRAFT

Design Package
AIRPORT LAYOUT PLAN DRAWINGS

KANSAS CITY Aviation

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Runway 19 Inner Portion of the Approach Obstructions													
Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)*			Remediation
											Part 77 50:1 Approach	13B #5 20:1 Approach	13B #6 30:1 Approach	
1	Fence	9,671	94° 35' 24.948" W	39° 8' 1.493" N	H20/V3	Survey (9/8/2022)	N/A	753.01	7.03	760.04	1.86	N/A	N/A	Relocate Fence
2	Road	1,292	94° 35' 25.130" W	39° 8' 1.650" N	1/A	adip.faa.gov	N/A	No Data	No Data	767.00	8.58	N/A	N/A	To Remain
3	Road	40,039	94° 35' 25.645" W	39° 8' 2.840" N	H20/V3	Survey (9/8/2022)	N/A	746.51	15.00	761.51	0.92	N/A	N/A	To Remain
4	Road	40,206	94° 35' 22.608" W	39° 8' 4.479" N	H20/V3	Survey (9/8/2022)	N/A	750.91	15.00	765.91	1.03	N/A	N/A	To Remain
5	Road	40,272	94° 35' 22.491" W	39° 8' 5.016" N	H20/V3	Survey (9/8/2022)	N/A	751.24	15.00	766.24	0.26	N/A	N/A	To Remain
6	Pole	1,295	94° 35' 18.210" W	39° 8' 5.760" N	1/A	adip.faa.gov	N/A	744.00	27.00	771.00	2.07	N/A	N/A	Light/Mark
7	Fence	9,688	94° 35' 20.135" W	39° 8' 6.524" N	H20/V3	Survey (9/8/2022)	N/A	763.43	8.07	771.50	1.73	N/A	N/A	Relocate Fence
8	Road	40,454	94° 35' 18.958" W	39° 8' 7.880" N	H20/V3	Survey (9/8/2022)	N/A	763.11	15.00	778.11	5.25	N/A	N/A	To Remain
9	Road	40,479	94° 35' 18.851" W	39° 8' 8.252" N	H20/V3	Survey (9/8/2022)	N/A	763.25	15.00	778.25	4.62	N/A	N/A	To Remain
10	Tree	1,300	94° 35' 12.060" W	39° 8' 10.860" N	1/A	adip.faa.gov	N/A	0.00	0.00	792.00	10.87	N/A	N/A	Remove Tree
11	Tree	115,681	94° 35' 27.411" W	39° 8' 25.549" N	H20/V3	Survey (9/8/2022)	N/A	736.77	83.61	820.38	15.57	N/A	N/A	Remove Tree
12	Tree	115,698	94° 35' 27.521" W	39° 8' 25.696" N	H20/V3	Survey (9/8/2022)	N/A	737.10	84.97	822.07	17.01	N/A	N/A	Remove Tree
13	Tree	115,780	94° 35' 26.808" W	39° 8' 26.208" N	H20/V3	Survey (9/8/2022)	N/A	739.45	78.67	818.12	11.80	N/A	N/A	Remove Tree
14	Tree	115,971	94° 35' 27.280" W	39° 8' 27.176" N	H20/V3	Survey (9/8/2022)	N/A	738.01	89.67	827.68	19.60	N/A	N/A	Remove Tree
15	Tree	116,978	94° 35' 26.935" W	39° 8' 32.468" N	H20/V3	Survey (9/8/2022)	N/A	740.34	84.89	825.23	6.60	N/A	N/A	Remove Tree
16	Tree	117,407	94° 35' 26.022" W	39° 8' 35.158" N	H20/V3	Survey (9/8/2022)	N/A	736.30	89.85	826.15	1.89	N/A	N/A	Remove Tree
17	Tree	117,715	94° 35' 24.265" W	39° 8' 37.851" N	H20/V3	Survey (9/8/2022)	N/A	741.54	103.65	845.19	15.01	N/A	N/A	Remove Tree
18	Tree	118,142	94° 35' 25.684" W	39° 8' 40.596" N	H20/V3	Survey (9/8/2022)	N/A	740.42	95.89	836.31	1.19	N/A	N/A	Remove Tree

Runway 19 Inner Portion of the Approach Significant Objects										
Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.)
										Part 77 50:1 Approach
A	Tree	110,148	39° 8' 8.415" N	94° 35' 24.421" W	H20/V3	Survey (9/8/2022)	733.39	20.57	753.96	18.06
B	Railroad	50,634	39° 8' 18.246" N	94° 35' 8.155" W	H20/V3	Survey (9/8/2022)	746.66	23.00	769.66	27.40
C	Railroad	51,699	39° 8' 30.607" N	94° 35' 2.005" W	H20/V3	Survey (9/8/2022)	748.14	23.00	771.14	52.45
D	Road	42,875	39° 8' 41.190" N	94° 35' 12.402" W	H20/V3	Survey (9/8/2022)	764.81	15.00	779.81	61.07

Runway 1 Inner Portion of the Approach Obstructions												
Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)*	Remediation
											Existing Part 77 34:1 Approach	
1	Light Pole	16,385	39° 6' 51.561" N	94° 35' 47.363" W	H20/V3	Survey (9/8/2022)	N/A	743.38	20.40	763.78	1,532.00	Lower/Relocate
2	Fence	9,469	39° 6' 49.941" N	94° 35' 40.390" W	H20/V3	Survey (9/8/2022)	N/A	743.84	7.16	751.00	1.39	Relocate Fence
3	Building	5,898	39° 6' 50.592" N	94° 35' 48.287" W	H20/V3	Survey (9/8/2022)	N/A	743.56	12.21	755.77	4.03	Light/Mark
4	Road	33,746	39° 6' 50.760" N	94° 35' 49.850" W	H20/V3	Survey (9/8/2022)	N/A	745.00	15.00	760.00	7.95	To Remain
5	Road	33,739	39° 6' 50.624" N	94° 35' 49.932" W	H20/V3	Survey (9/8/2022)	N/A	744.38	15.00	759.38	N/A	To Remain
6	Fence	9,462	39° 6' 49.361" N	94° 35' 44.017" W	H20/V3	Survey (9/8/2022)	N/A	747.40	7.05	754.45	1.31	Relocate Fence
7	Building	5,890	39° 6' 50.309" N	94° 35' 49.811" W	H20/V3	Survey (9/8/2022)	N/A	744.23	9.74	753.97	0.63	Light/Mark
8	Road	33,660	39° 6' 49.497" N	94° 35' 46.555" W	H20/V3	Survey (9/8/2022)	N/A	746.25	15.00	761.25	7.21	To Remain
9	Terrain/Dam	9,231	39° 6' 48.317" N	94° 35' 41.106" W	H20/V3	Survey (9/8/2022)	N/A	761.45	0.00	761.45	N/A	To Remain
10	Terrain/Dam	9,232	39° 6' 48.317" N	94° 35' 42.858" W	H20/V3	Survey (9/8/2022)	N/A	760.99	0.00	760.99	5.41	To Remain
11	Terrain/Dam	9,245	39° 6' 49.660" N	94° 35' 50.790" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	N/A	To Remain
12	Terrain/Dam	1,642	39° 6' 48.740" N	94° 35' 47.310" W	1/A	adip.faa.gov	N/A	761.00	1.00	762.00	5.38	To Remain
13	Tree	77,549	39° 6' 44.722" N	94° 35' 38.419" W	H20/V3	Survey (9/8/2022)	N/A	735.71	35.97	771.68	7.91	Remove Tree
14	Tree	76,277	39° 6' 42.057" N	94° 35' 54.264" W	H20/V3	Survey (9/8/2022)	N/A	736.48	43.48	779.96	0.40	Remove Tree
15	Tree	76,095	39° 6' 41.671" N	94° 35' 54.409" W	H20/V3	Survey (9/8/2022)	N/A	732.87	56.51	789.38	8.98	Remove Tree
16	Tree	71,789	39° 6' 30.198" N	94° 35' 46.875" W	H20/V3	Survey (9/8/2022)	N/A	753.07	68.09	821.16	10.93	Remove Tree
17	Interstate	22,906	39° 6' 26.176" N	94° 35' 45.727" W	H20/V3	Survey (9/8/2022)	N/A	806.73	17.00	823.73	2.41	To Remain
18	Interstate	22,746	39° 6' 24.933" N	94° 35' 42.542" W	H20/V3	Survey (9/8/2022)	N/A	820.37	17.00	837.37	14.07	To Remain
19	Light Pole	14,650	39° 6' 24.095" N	94° 35' 41.136" W	H20/V3	Survey (9/8/2022)	N/A	747.64	124.82	872.46	47.44	Lower/Relocate
20	Light Pole	14,727	39° 6' 24.671" N	94° 35' 46.064" W	H20/V3	Survey (9/8/2022)	N/A	747.27	87.03	834.30	8.44	Lower/Relocate
21	Light Pole	14,651	39° 6' 24.109" N	94° 35' 43.580" W	H20/V3	Survey (9/8/2022)	N/A	747.83	86.74	834.57	8.34	Lower/Relocate
22	Light Pole	14,752	39° 6' 24.962" N	94° 35' 49.227" W	H20/V3	Survey (9/8/2022)	N/A	747.91	84.97	832.88	6.26	Lower/Relocate
23	Light Pole	14,503	39° 6' 23.050" N	94° 35' 41.035" W	H20/V3	Survey (9/8/2022)	N/A	747.08	94.73	841.81	13.81	Lower/Relocate
24	Light Pole	14,853	39° 6' 26.235" N	94° 35' 59.645" W	H20/V3	Survey (9/8/2022)	N/A	749.09	79.71	828.80	0.57	Lower/Relocate
25	Stack	1,711	39° 6' 21.000" N	94° 35' 47.000" W	1/A	adip.faa.gov	N/A	740.00	168.00	908.00	71.01	Object Has Obstruction Lighting
26	Tank	53,308	39° 6' 19.242" N	94° 35' 43.632" W	H20/V3	Survey (9/8/2022)	N/A	748.09	101.85	849.94	9.56	Light/Mark

*No obstructions to 13B surfaces

Runway 1 Inner Portion of the Approach Significant Objects										
Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Existing Part 77 34:1 Approach
A	Tree	72,247	39° 6' 31.483" N	94° 35' 58.239" W	H20/V3	Survey (9/8/2022)	741.38	42.25	783.63	28.65
B	Building	3,920	39° 6' 27.829" N	94° 35' 49.351" W	H20/V3	Survey (9/8/2022)	751.44	30.97	782.41	35.95
C	Road	22,882	39° 6' 25.916" N	94° 35' 51.321" W	H20/V3	Survey (9/8/2022)	785.77	17.00	802.77	22.15
D	Building	123,744	39° 6' 24.125" N	94° 35' 53.246" W	H20/V3	Survey (9/8/2022)	749.00	36.41	785.41	45.70
E	Road	22,848	39° 6' 25.590" N	94° 36' 2.146" W	H20/V3	Survey (9/8/2022)	782.06	17.00	799.06	32.32

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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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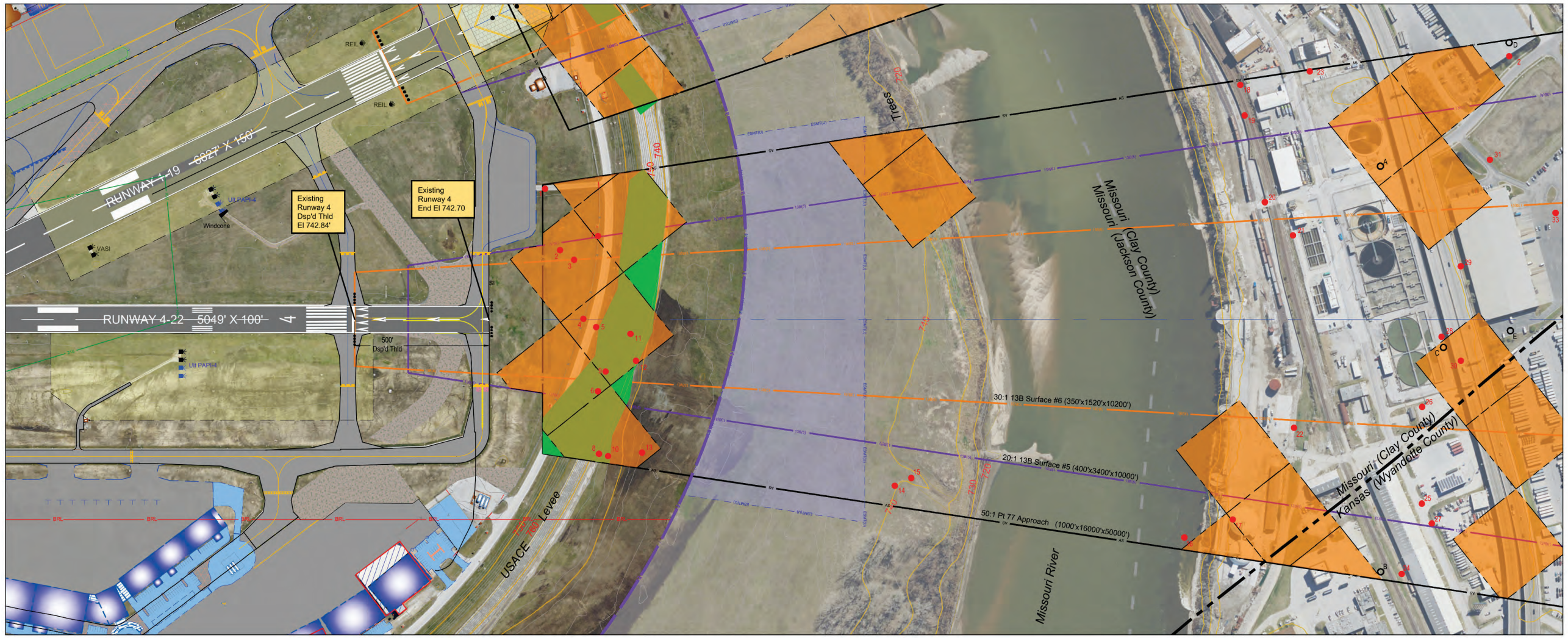
Drawing Scale: Varies
Designed By: P.T.
Drawn By: D.P.
Checked By: M.D.
Approved By: M.D.
Consultant Project No.: 22MP17
Initial Issue Date: 2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: INNER PORTION OF THE APPROACH SURFACE DRAWING OBSTRUCTION AND SIGNIFICANT OBJECT TABLES
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 16 of 27

KANSAS CITY Aviation

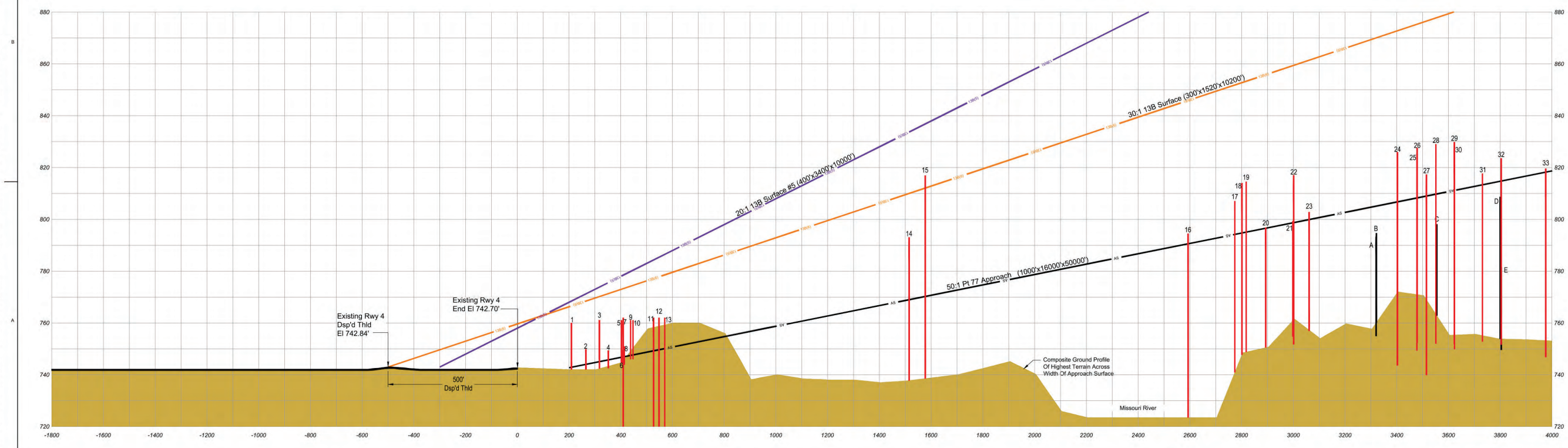


GENERAL NOTES:

1. Horizontal datum: north american datum 1983 - nad83; Vertical datum: north american datum 1988 - navd88.
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Obstructions within grids represent tallest manmade and/or natural and/or terrain feature. Grids within inner approach surfaces are 300'x300'.
4. All terrain within terrain obstruction area is an obstruction to noted surfaces(s). Grid sections containing terrain obstruction areas may or may not contain a referenced terrain obstruction point.
5. See sheet 16 for obstruction and significant object tabular data.
6. Triggering event: ALP Master Plan Update.
7. All elevations in msl feet.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
N/A		Airport Property Line
		Survey Monument with Identifier
		Obstruction Identifier
		Significant Object Identifier
		Obstruction Grid
		Terrain Obstruction
OFA	SAME	Object Free Area
RSA	SAME	Runway Safety Area
OFZ	SAME	Obstacle Free Zone
RPZ	SAME	Runway Protection Zone
TOFA	TOFA 0.0	Taxiway Object Free Area
TSA	TBA 0.0	Taxiway Safety Area
	SAME	Critical Area
		Topographic Contours





Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)





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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS

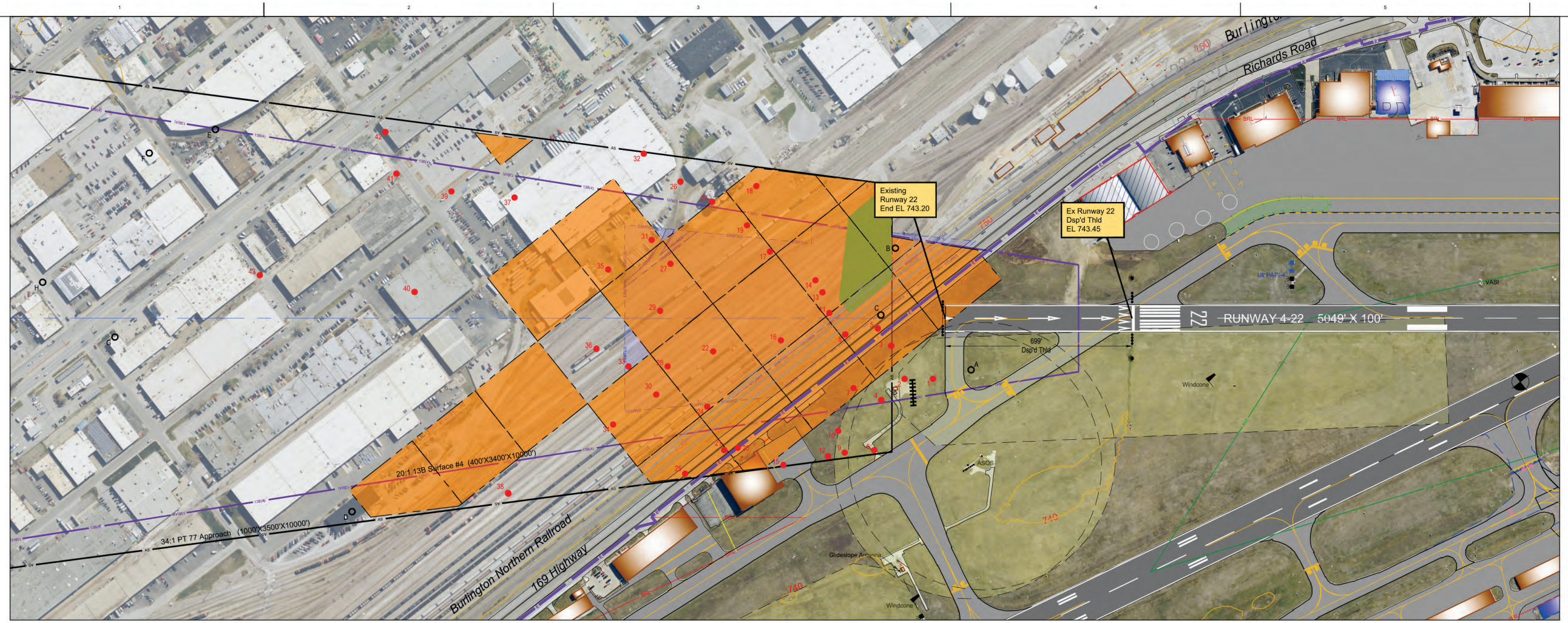
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

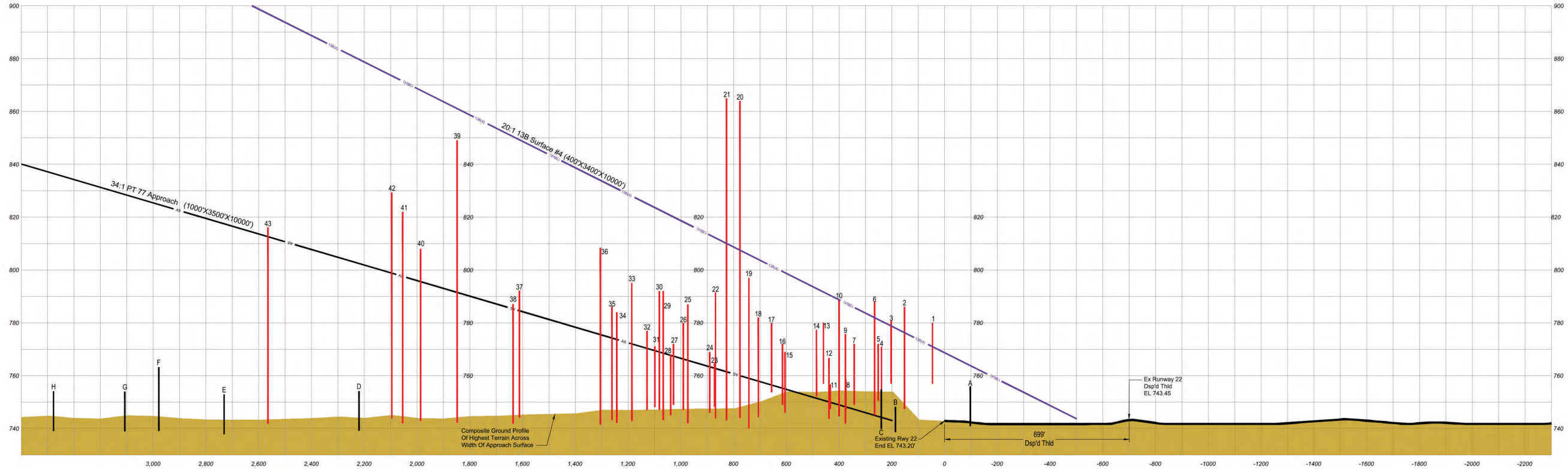
Drawing Title: INNER PORTION OF THE APPROACH SURFACE DRAWING RUNWAY 4

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.:
Drawing 17 of 27

KANSAS CITY Aviation

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GENERAL NOTES:

1. Horizontal datum: north american datum 1983 - nad83;
   Vertical datum: north american datum 1988 - navd88.
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Obstructions within grids represent tallest manmade and/or natural and/or terrain feature. Grids within inner approach surfaces are 300'x300'.
4. All terrain within terrain obstruction area is an obstruction to noted surface(s). Grid sections containing terrain obstruction areas may or may not contain a referenced terrain obstruction point.
5. See sheet 16 for obstruction and significant object tabular data.
6. Triggering event: ALP Master Plan Update.
7. All elevations in msl feet.

LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
N/A		Airport Property Line
		Section Corners
		Airport Reference Point
		Obstruction Identifier
		Significant Object Identifier
		Obstruction Grid
		Terrain Obstruction
OFA	SAME	Object Free Area
RSA	SAME	Runway Safety Area
OFZ	SAME	Obstacle Free Zone
RPZ	SAME	Runway Protection Zone
TOFA	TOFA-SG	Taxiway Object Free Area
TSA	TSA-SG	Taxiway Safety Area
	SAME	Critical Area
	SAME	Localizer
740		Topographic Contours



Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

0 200 400
HORIZONTAL SCALE IN FEET

0 20 40
VERTICAL SCALE IN FEET

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Drawing Scale: Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022
Design Phase: DRAFT	Design Package: AIRPORT LAYOUT PLAN DRAWINGS

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: INNER PORTION OF THE APPROACH SURFACE DRAWING RUNWAY 22

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

Drawing No.

KANSAS CITY Aviation

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Runway 4 Inner Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)* Part 77 50:1 Approach	13B #5 20:1 Approach	13B #6 30:1 Approach	Remediation
1	Road	34,695	39° 7' 0.040" N	94° 36' 1.130" W	H20/V3	Survey (9/8/2022)	N/A	745.00	15.00	760.00	17.36	N/A	N/A	To Remain
2	Fence	9,515	39° 6' 58.199" N	94° 35' 59.294" W	H20/V3	Survey (9/8/2022)	N/A	742.72	7.08	749.80	6.04	N/A	N/A	Relocate Fence
3	Road	34,465	39° 6' 57.570" N	94° 35' 59.350" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	16.19	N/A	N/A	To Remain
4	Fence	9,507	39° 6' 55.959" N	94° 35' 57.442" W	H20/V3	Survey (9/8/2022)	N/A	742.44	6.91	749.35	3.86	N/A	N/A	Relocate Fence
5	Road	34,106	39° 6' 55.400" N	94° 35' 57.510" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	14.55	N/A	N/A	To Remain
6	Fence	9,502	39° 6' 53.882" N	94° 35' 55.180" W	H20/V3	Survey (9/8/2022)	N/A	742.56	6.88	749.44	2.87	N/A	N/A	Relocate Fence
7	Terrain/Dam	9,258	39° 6' 57.430" N	94° 36' 0.930" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	15.42	N/A	N/A	To Remain
8	Fence	9,497	39° 6' 52.424" N	94° 35' 52.902" W	H20/V3	Survey (9/8/2022)	N/A	743.79	7.11	750.90	4.25	N/A	N/A	Relocate Fence
9	Road	34,011	39° 6' 54.110" N	94° 35' 56.140" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	13.85	N/A	N/A	To Remain
10	Road	33,830	39° 6' 52.110" N	94° 35' 53.090" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	13.67	N/A	N/A	To Remain
11	Terrain/Dam	9,255	39° 6' 54.260" N	94° 35' 58.270" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	13.00	N/A	N/A	To Remain
12	Terrain/Dam	9,254	39° 6' 53.480" N	94° 35' 57.430" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	12.59	N/A	N/A	To Remain
13	Terrain/Dam	9,250	39° 6' 51.210" N	94° 35' 54.210" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	12.14	N/A	N/A	To Remain
14	Tree	76,676	39° 6' 42.802" N	94° 36' 0.416" W	H20/V3	Survey (9/8/2022)	N/A	740.14	51.41	791.55	22.28	N/A	N/A	Remove Tree
15	Tree	76,956	39° 6' 43.538" N	94° 36' 1.529" W	H20/V3	Survey (9/8/2022)	N/A	739.60	59.20	798.80	29.61	N/A	N/A	Remove Tree
16	Tree	73,103	39° 6' 33.628" N	94° 36' 6.994" W	H20/V3	Survey (9/8/2022)	N/A	732.52	61.89	794.41	4.15	N/A	N/A	Remove Tree
17	Pole	1,731	39° 6' 32.640" N	94° 36' 9.090" W	1/A	adip.faa.gov	N/A	751.00	56.00	807.00	13.13	N/A	N/A	Lower/Relocate
18	Elevator	9,400	39° 6' 42.364" N	94° 36' 25.387" W	H20/V3	Survey (9/8/2022)	N/A	753.12	60.82	813.94	19.52	N/A	N/A	Object Has Obstruction Lighting
19	Elevator	9,399	39° 6' 41.534" N	94° 36' 24.379" W	H20/V3	Survey (9/8/2022)	N/A	752.72	61.80	814.52	19.77	N/A	N/A	Object Has Obstruction Lighting
20	Utility Pole	128,539	39° 6' 38.968" N	94° 36' 21.765" W	H20/V3	Survey (9/8/2022)	N/A	753.27	43.50	796.77	0.51	N/A	N/A	Lower/Relocate
21	Utility Pole	128,411	39° 6' 37.400" N	94° 36' 21.368" W	H20/V3	Survey (9/8/2022)	N/A	754.62	44.69	799.31	0.95	N/A	N/A	Lower/Relocate
22	Tower	879	39° 6' 32.973" N	94° 36' 14.277" W	1/A	adip.faa.gov	2011-ACE-1454-OE	752.00	65.00	817.00	18.57	N/A	N/A	To Remain - See FAA letter dated 8/26/2011
23	Building	5,232	39° 6' 40.660" N	94° 36' 27.924" W	H20/V3	Survey (9/8/2022)	N/A	756.81	45.99	802.80	3.18	N/A	N/A	Object Has Obstruction Lighting
24	Light Pole	14,894	39° 6' 26.527" N	94° 36' 12.032" W	H20/V3	Survey (9/8/2022)	N/A	743.50	82.38	825.88	19.43	N/A	N/A	Lower/Relocate
25	Light Pole	14,964	39° 6' 27.550" N	94° 36' 15.224" W	H20/V3	Survey (9/8/2022)	N/A	749.19	76.02	825.21	17.26	N/A	N/A	Lower/Relocate
26	Light Pole	15,141	39° 6' 29.754" N	94° 36' 18.811" W	H20/V3	Survey (9/8/2022)	N/A	752.16	75.34	827.50	19.53	N/A	N/A	Lower/Relocate
27	Tree	70,696	39° 6' 26.810" N	94° 36' 14.782" W	H20/V3	Survey (9/8/2022)	N/A	739.83	77.43	817.26	8.57	N/A	N/A	Remove Tree
28	Light Pole	15,226	39° 6' 30.798" N	94° 36' 21.974" W	H20/V3	Survey (9/8/2022)	N/A	751.86	77.07	828.93	19.52	N/A	N/A	Lower/Relocate
29	Light Pole	15,299	39° 6' 31.854" N	94° 36' 25.145" W	H20/V3	Survey (9/8/2022)	N/A	751.85	77.89	829.74	18.90	N/A	N/A	Lower/Relocate
30	Light Pole	15,135	39° 6' 29.688" N	94° 36' 21.652" W	H20/V3	Survey (9/8/2022)	N/A	749.80	77.72	827.52	16.66	N/A	N/A	Lower/Relocate
31	Utility Pole	128,040	39° 6' 33.451" N	94° 36' 29.945" W	H20/V3	Survey (9/8/2022)	N/A	752.74	64.87	817.61	4.60	N/A	N/A	Object Has Obstruction Lighting
32	Utility Pole	128,201	39° 6' 35.257" N	94° 36' 34.342" W	H20/V3	Survey (9/8/2022)	N/A	751.57	71.91	823.48	9.02	N/A	N/A	Object Has Obstruction Lighting
33	Overhead Sign	20,527	39° 6' 30.339" N	94° 36' 29.906" W	H20/V3	Survey (9/8/2022)	N/A	746.79	72.76	819.55	1.63	N/A	N/A	Light/Mark

Runway 22 Inner Inner Portion of the Approach Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)* Part 77 34:1 Approach	13B #4 20:1 Approach	Remediation
1	Railroad	48,128	39° 7' 36.733" N	94° 35' 12.210" W	H20/V3	Survey (9/8/2022)	N/A	0.00	23.00	779.31	8.59	N/A	To Remain
2	Utility Pole	130,897	39° 7' 37.551" N	94° 35' 11.362" W	H20/V3	Survey (9/8/2022)	N/A	2.00	38.70	786.08	10.04	N/A	Object Has Obstruction Lighting
3	Railroad	48,209	39° 7' 38.700" N	94° 35' 12.200" W	H20/V3	Survey (9/8/2022)	N/A	1.00	23.00	780.00	36.93	1.46	To Remain
4	Railroad	48,180	39° 7' 37.740" N	94° 35' 9.890" W	H20/V3	Survey (9/8/2022)	N/A	15.00	23.00	771.00	26.84	N/A	To Remain
5	Tree	98,590	39° 7' 39.483" N	94° 35' 12.458" W	H20/V3	Survey (9/8/2022)	N/A	30.00	21.52	772.01	27.48	N/A	Remove Tree
6	Utility Pole	130,866	39° 7' 36.791" N	94° 35' 7.816" W	H20/V3	Survey (9/8/2022)	N/A	37.00	42.89	787.91	42.97	N/A	Lower/Relocate
7	Railroad	48,212	39° 7' 38.820" N	94° 35' 9.520" W	H20/V3	Survey (9/8/2022)	N/A	18.00	23.00	772.00	24.79	N/A	To Remain
8	Solar Panel	53,151	39° 7' 40.291" N	94° 35' 11.267" W	H20/V3	Survey (9/8/2022)	N/A	28.00	11.53	758.52	10.39	N/A	Lower/Relocate
9	Utility Pole	130,898	39° 7' 37.592" N	94° 35' 6.854" W	H20/V3	Survey (9/8/2022)	N/A	38.00	33.92	775.76	27.57	N/A	Lower/Relocate
10	Utility Pole	130,952	39° 7' 38.280" N	94° 35' 7.480" W	H20/V3	Survey (9/8/2022)	N/A	39.00	44.37	789.00	40.11	N/A	Lower/Relocate
11	Solar Panel	53,153	39° 7' 41.248" N	94° 35' 11.599" W	H20/V3	Survey (9/8/2022)	N/A	29.00	9.22	756.62	6.74	N/A	Lower/Relocate
12	Railroad	48,192	39° 7' 37.990" N	94° 35' 6.230" W	H20/V3	Survey (9/8/2022)	N/A	16.00	23.00	766.00	15.98	N/A	To Remain
13	Railroad	48,339	39° 7' 41.920" N	94° 35' 12.160" W	H20/V3	Survey (9/8/2022)	N/A	20.00	23.00	780.00	29.36	N/A	To Remain
14	Tree	99,755	39° 7' 42.405" N	94° 35' 12.407" W	H20/V3	Survey (9/8/2022)	N/A	31.00	25.21	777.38	25.97	N/A	Remove Tree
15	Railroad	48,225	39° 7' 39.080" N	94° 35' 4.590" W	H20/V3	Survey (9/8/2022)	N/A	19.00	23.00	769.00	14.08	N/A	To Remain
16	Railroad	48,342	39° 7' 42.020" N	94° 35' 9.150" W	H20/V3	Survey (9/8/2022)	N/A	21.00	23.00	772.00	16.79	N/A	To Remain
17	Railroad	48,433	39° 7' 44.380" N	94° 35' 12.130" W	H20/V3	Survey (9/8/2022)	N/A	23.00	23.00	780.00	23.58	N/A	To Remain
18	Building	7,227	39° 7' 46.280" N	94° 35' 14.170" W	H20/V3	Survey (9/8/2022)	N/A	12.00	37.69	782.00	24.09	N/A	Light/Mark
19	Tree	1,266	39° 7' 45.650" N	94° 35' 12.430" W	1/A	adip.faa.gov	N/A	6.00	0.00	797.00	38.06	N/A	Remove Tree
20	Building	1,107	39° 7' 40.800" N	94° 35' 3.880" W	4/D	adip.faa.gov	2019-ACE-5720-OE	5.00	120.00	864.00	104.05	N/A	To Remain - See FAA letter dated 9/23/2022
21	Elevator	9,415	39° 7' 41.140" N	94° 35' 3.390" W	H20/V3	Survey (9/8/2022)	N/A	14.00	121.89	865.00	103.55	N/A	Object Has Obstruction Lighting
22	Utility Pole	131,243	39° 7' 43.729" N	94° 35' 6.736" W	H20/V3	Survey (9/8/2022)	N/A	41.00	47.60	791.45	28.78	N/A	Lower/Relocate
23	Tree	101,410	39° 7' 47.207" N	94° 35' 12.278" W	H20/V3	Survey (9/8/2022)	N/A	33.00	9.47	764.16	1.37	N/A	Remove Tree
24	Railroad	48,368	39° 7' 42.630" N	94° 35' 4.510" W	H20/V3	Survey (9/8/2022)	N/A	22.00	23.00	769.00	5.69	N/A	To Remain
25	Utility Pole	131,143	39° 7' 41.734" N	94° 35' 1.362" W	H20/V3	Survey (9/8/2022)	N/A	40.00	44.96	786.94	21.17	N/A	Lower/Relocate
26	Railroad	48,596	39° 7' 48.580" N	94° 35' 12.090" W	H20/V3	Survey (9/8/2022)	N/A	27.00	23.00	780.00	13.74	N/A	To Remain
27	Railroad	48,532	39° 7' 46.980" N	94° 35' 8.740" W	H20/V3	Survey (9/8/2022)	N/A	25.00	23.00	772.00	4.64	N/A	To Remain
28	Railroad	48,452	39° 7' 44.704" N	94° 35' 4.845" W	H20/V3	Survey (9/8/2022)	N/A	24.00	23.00	768.01	0.35	N/A	To Remain
29	Utility Pole	131,379	39° 7' 46.198" N	94° 35' 6.681" W	H20/V3	Survey (9/8/2022)	N/A	42.00	48.81	792.00	23.50	N/A	Lower/Relocate
30	Tree	1,337	39° 7' 44.390" N	94° 35' 3.450" W	1/A	adip.faa.gov	N/A	8.00	0.00	792.00	23.06	N/A	Remove Tree
31	Railroad	48,573	39° 7' 48.075" N	94° 35' 9.074" W	H20/V3	Survey (9/8/2022)	N/A	26.00	23.00	771.13	1.70	N/A	To Remain
32	Railroad	32	39° 7' 50.289" N	94° 35' 12.046" W	N/A	DEM & ESRI Linework	N/A	3.00	23.00	777.00	6.69	N/A	To Remain
33	Tree	100,876	39° 7' 45.841" N	94° 35' 3.674" W	H20/V3	Survey (9/8/2022)	N/A	32.00	52.24	795.08	23.08	N/A	Remove Tree
34	Building	7,191	39° 7' 44.949" N	94° 35' 1.067" W	H20/V3	Survey (9/8/2022)	N/A	11	41.89	783.967	10.29	N/A	Light/Mark
35	Utility Pole	131,512	39° 7' 48.655" N	94° 35' 6.690" W	H20/V3	Survey (9/8/2022)	N/A	44	43.05	786.238	12.02	N/A	Lower/Relocate
36	Building	7,258	39° 7' 47.171" N	94° 35' 3.391" W	H20/V3	Survey (9/8/2022)	N/A	13	66.96	808.384	32.87	N/A	Light/Mark
37	Utility Pole	131,820	39° 7' 53.027" N	94° 35' 6.602" W	H20/V3	Survey (9/8/2022)	N/A	45	48.03	792.164	7.63	N/A	Lower/Relocate
38	Utility Pole	131,386	39° 7' 46.419" N	94° 34' 55.421" W	H20/V3	Survey (9/8/2022)	N/A	43	45.17	787.076	1.84	N/A	Lower/Relocate
39	Tower	123,262	39° 7' 54.994" N	94° 35' 4.962" W	H20/V3	Survey (9/8/2022)	N/A	35	106.83	849.093	57.61	N/A	Object Has Obstruction Lighting
40	Tank	1,345	39° 7' 53.750" N	94° 35' 0.130" W	1/A	adip.faa.gov	N/A	10	65	808	12.46	N/A	Light/Mark
41	Tower	807	39° 7' 57.000" N	94° 35' 4.000" W	5/D	adip.faa.gov	1995-ACE-457-OE	4	80	822	24.46	N/A	To Remain
42	Tower	123,263	39° 7' 58.280" N	94° 35' 5.230" W	H20/V3	Survey (9/8/2022)	2017-ACE-2083-OE	36	85.5	829.314	30.55	N/A	To Remain - See FAA letter dated 4/18/2017
43	Tree	105,718	39° 7' 58.625" N	94° 34' 56.193" W	H20/V3	Survey (9/8/2022)	N/A	34	74.21	816.097	3.52	N/A	Remove Tree

Runway 4 Inner Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Part 77 50:1 Approach
A	Building	4,827	39° 6' 36.460" N	94° 36' 26.493" W	H20/V3	Survey (9/8/2022)	754.90	38.23	793.13	11.73
B	Road	22,959	39° 6' 27.179" N	94° 36' 11.494" W	H20/V3	Survey (9/8/2022)	777.66	17.00	794.66	10.22
C	Road	23,034	39° 6' 30.500" N	94° 36' 21.638" W	H20/V3	Survey (9/8/2022)	781.05	17.00	798.05	11.51
D	Road	23,126	39° 6' 35.571" N	94° 36' 34.843" W	H20/V3	Survey (9/8/2022)	791.69	17.00	808.69	5.76
E	Building	4,034	39° 6' 28.949" N	94° 36' 24.221" W	H20/V3	Survey (9/8/2022)	749.58	31.82	781.40	33.15

Runway 22 Inner Portion of the Approach Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.) Part 77 34:1 Approach
A	Road	37,236	39° 7' 35.830" N	94° 35' 13.670" W	H20/V3	Survey (9/8/2022)	745.00	15.00	760.00	3.57
B	Building	7,071	39° 7' 40.824" N	94° 35' 15.962" W	H20/V3	Survey (9/8/2022)	742.64	9.56	752.20	25.55
C	Road	37,748	39° 7' 39.704" N	94° 35' 13.045" W	H20/V3	Survey (9/8/2022)	743.81	15.00	758.81	21.65
D	Road	38,970	39° 7' 50.513" N	94° 34' 50.116" W	H20/V3	Survey (9/8/2022)	743.21	15.00	758.21	44.21
E	Road	40,117	39° 8' 3.261" N	94° 35' 0.303" W	H20/V3	Survey (9/8/2022)	741.91	15.00	756.91	60.56
F	Building	124,485	39° 8' 4.635" N	94° 34' 57.468" W	H20/V3	Survey (9/8/2022)	743.15	24.15	767.30	57.45
G	Road	39,905	39° 8' 1.399" N	94° 34' 49.610" W	H20/V3	Survey (9/8/2022)	742.99	15.00	757.99	70.54
H	Road	40,239	39° 8' 4.754" N	94° 34' 49.515" W	H20/V3	Survey (9/8/2022)	743.11	15.00	758.11	78.37

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY Downtown Airport – Wheeler Field | MKC

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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Drawing Scale: Varies
Designed By: P.T.
Drawn By: D.P.
Checked By: M.D.
Approved By: M.D.
Consultant Project No.: 22MP17
Initial Issue Date: 2022

REVISIONS

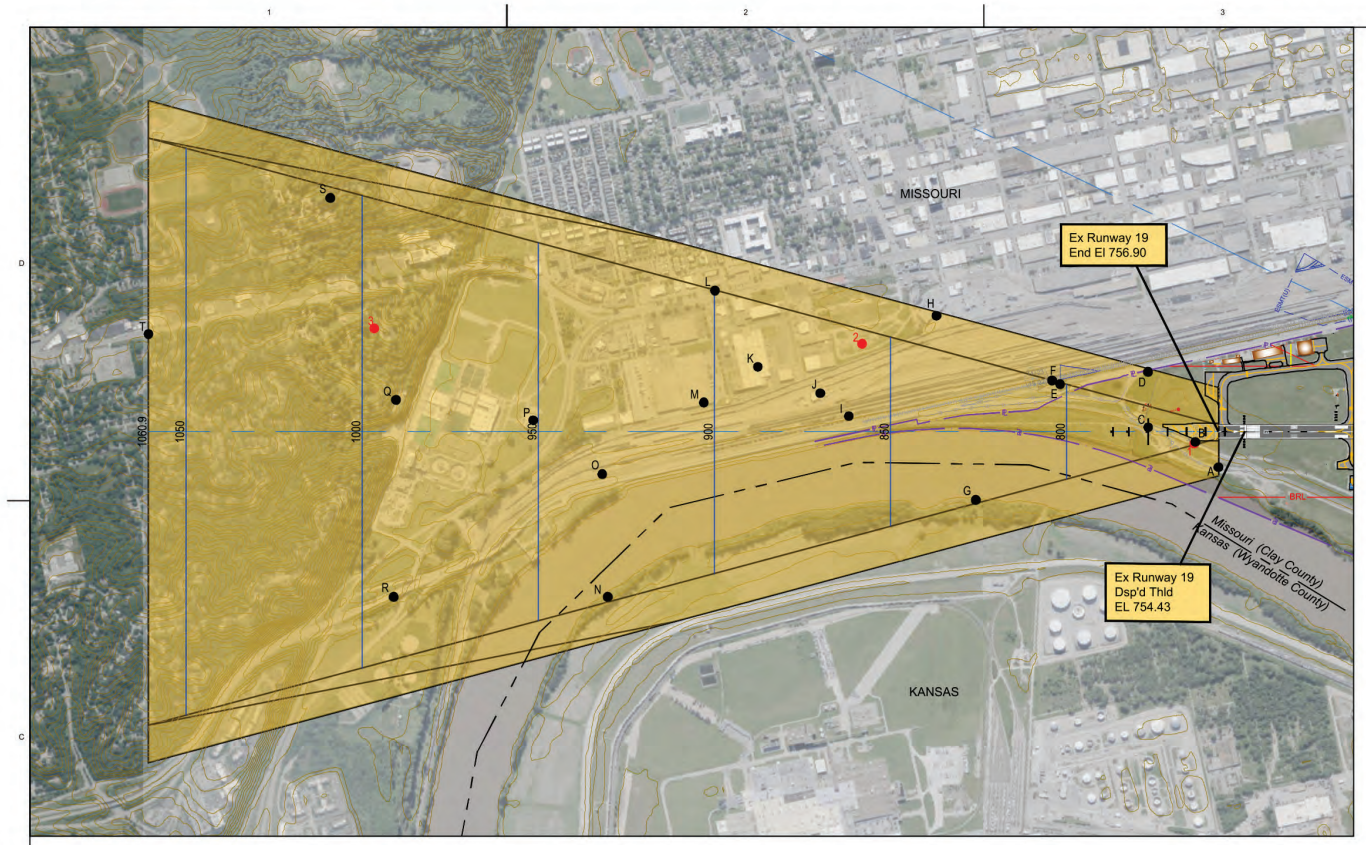
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

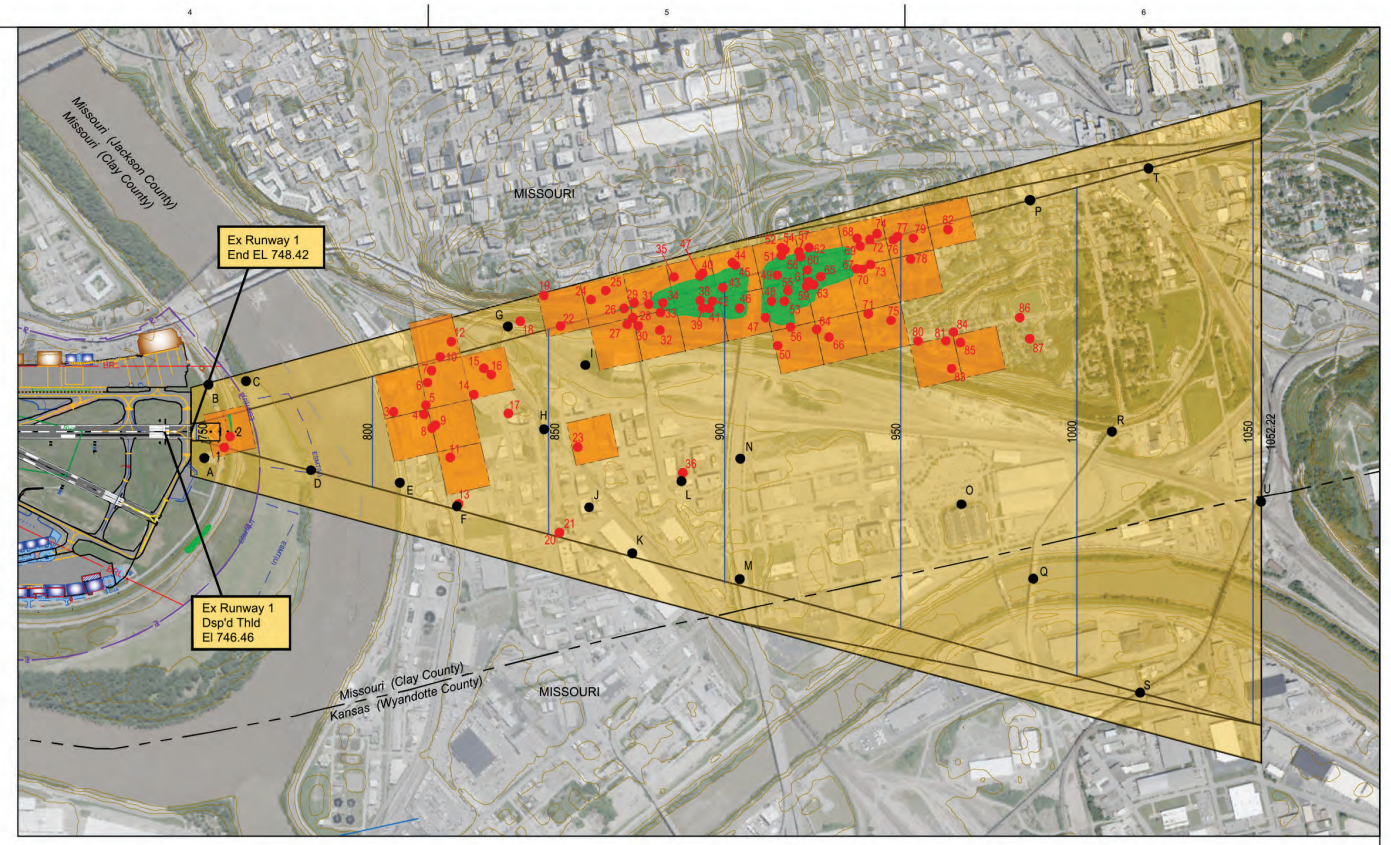
Drawing Title: INNER PORTION OF THE APPROACH SURFACE DRAWING OBSTRUCTION AND SIGNIFICANT OBJECT TABLES RUNWAY 4-22

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.
Drawing 19 of 27

KANSAS CITY Aviation

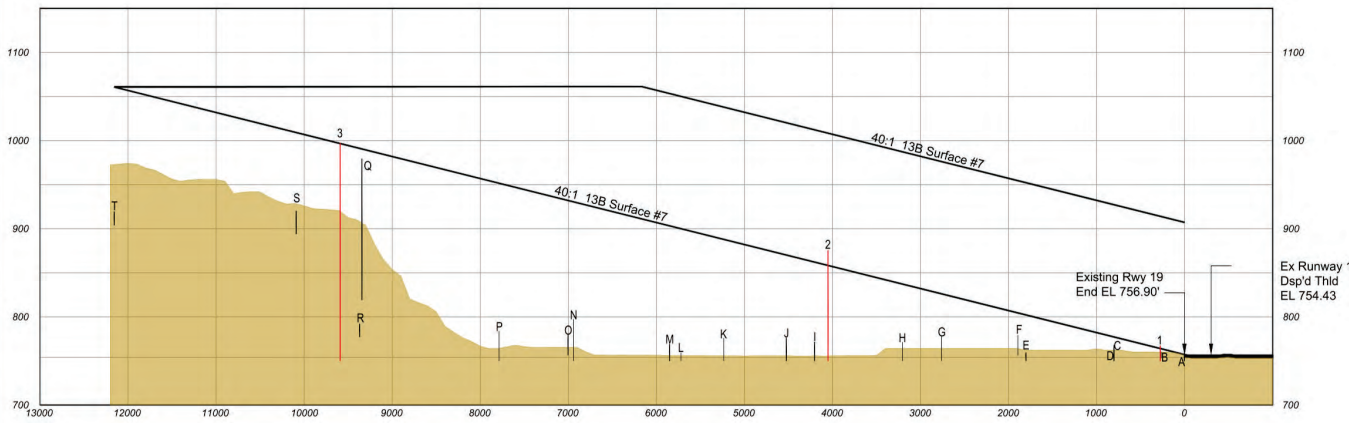
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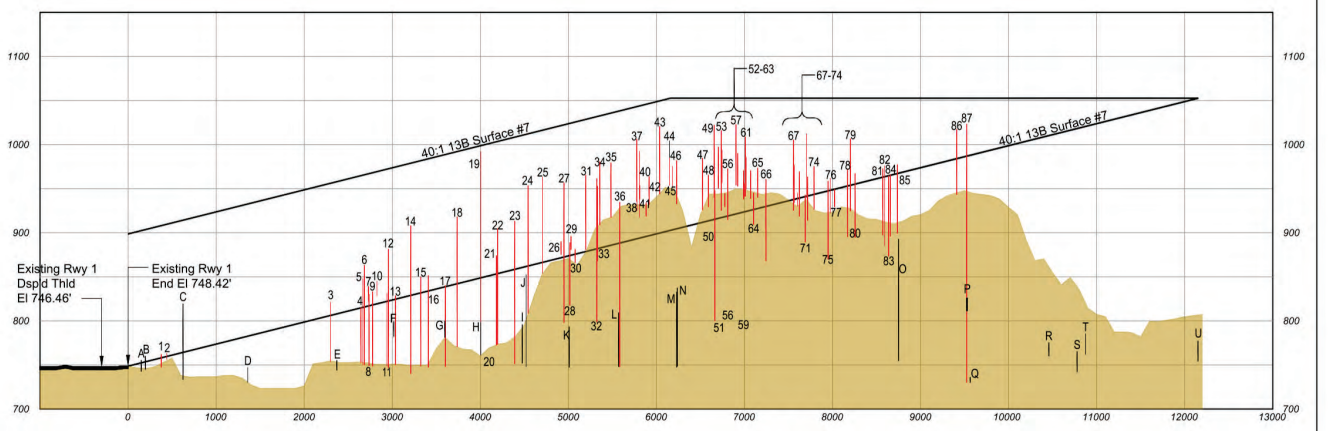




MAGNETIC NORTH
NORTH

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

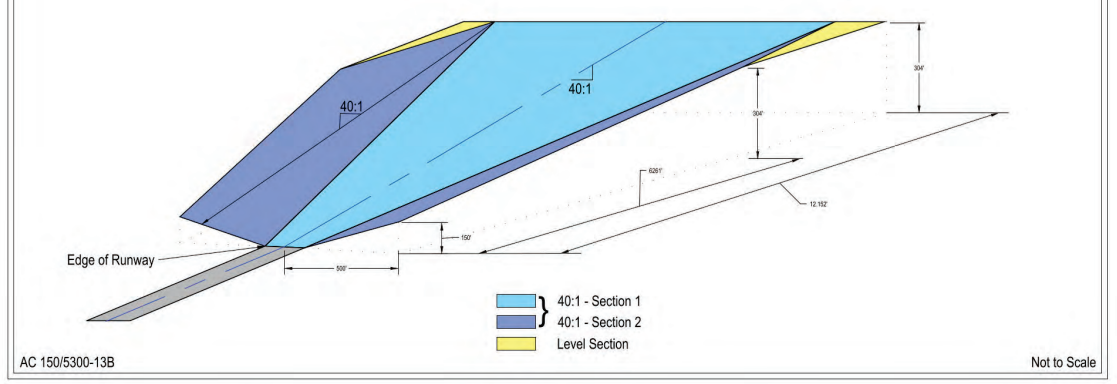




0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET

Departure Surface - Isometric View



AC 150/5300-13B

Not to Scale

GENERAL NOTES:

1. Horizontal Datum: North American Datum 1983 - NAD83;
   Vertical Datum: North American Datum 1988 - NAVD88
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Plan view obstructions within grids represent tallest manmade and/or natural and/or terrain feature. Grids within departure surface are 500'x500'.
4. All elevations in msl feet.
5. 2024 aerial coverage for full departure surface area by Microsoft Corporation, 2023 Maxar CNES (2023) Distribution Airbus DS.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
N/A		Easement
		Section Corners
		Survey Monument with Identifier
		13B Surface 7 Departure Clearance Surface
		Obstruction Identifier
		Significant Object Identifier
		Obstruction Grid
		Terrain Obstruction
		Topographic Contours

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Downtown Airport – Wheeler Field | **MKC**

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Design Phase	DRAFT
Design Package	AIRPORT LAYOUT PLAN DRAWINGS
Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: RUNWAY 19-1 DEPARTURE SURFACE DRAWING

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

Drawing No.

Drawing 20 of 27

KANSAS CITY Aviation

Coffman Associates C:\Users\diana\Coffman Associates Inc\Coffman - sp_CAD (1)\MP\MKC_KC_Downtown_23\ALP\20 21 22 23 MKC DEP.dwg Printed Date: 9-30-26 12:09:40 PM diana

Runway 1 End Departure Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)	Remediation
1	Road	33,666	39° 6' 49.600" N	94° 35' 46.510" W	H20/V3	Survey (9/8/2022)	N/A	747.00	15.00	762.00	3.74	To Remain
2	Terrain/Dam	1,640	39° 6' 48.740" N	94° 35' 45.170" W	1/A	adip.faa.gov	N/A	756.00	7.00	763.00	3.54	To Remain
3	Tree	71,789	39° 6' 30.198" N	94° 35' 46.875" W	H20/V3	Survey (9/8/2022)	N/A	753.07	68.09	821.16	15.21	Remove
4	Tree	70,745	39° 6' 26.940" N	94° 35' 48.199" W	H20/V3	Survey (9/8/2022)	N/A	752.24	62.97	815.21	0.64	Remove
5	Light Pole	14,885	39° 6' 26.499" N	94° 35' 46.956" W	H20/V3	Survey (9/8/2022)	N/A	749.96	97.87	847.83	32.71	Lower/Relocate
6	Light Pole	14,812	39° 6' 25.764" N	94° 35' 43.851" W	H20/V3	Survey (9/8/2022)	N/A	749.51	113.32	862.83	47.24	Lower/Relocate
7	Interstate	22,770	39° 6' 25.039" N	94° 35' 42.288" W	H20/V3	Survey (9/8/2022)	N/A	821.89	17.00	838.89	22.19	To Remain
8	Light Pole	14,868	39° 6' 26.406" N	94° 35' 50.351" W	H20/V3	Survey (9/8/2022)	N/A	748.76	80.75	829.51	12.69	Lower/Relocate
9	Light Pole	14,830	39° 6' 25.945" N	94° 35' 50.059" W	H20/V3	Survey (9/8/2022)	N/A	748.15	84.83	832.98	15.14	Lower/Relocate
10	Interstate	22,507	39° 6' 23.762" N	94° 35' 40.641" W	H20/V3	Survey (9/8/2022)	N/A	827.92	17.00	844.92	20.65	To Remain
11	Light Pole	14,764	39° 6' 25.143" N	94° 35' 55.058" W	H20/V3	Survey (9/8/2022)	N/A	748.29	82.63	830.92	8.95	Lower/Relocate
12	Light Pole	14,403	39° 6' 22.152" N	94° 35' 38.835" W	H20/V3	Survey (9/8/2022)	N/A	746.73	134.57	881.30	4.20	Lower/Relocate
13	Light Pole	14,780	39° 6' 25.352" N	94° 36' 1.850" W	H20/V3	Survey (9/8/2022)	N/A	749.45	78.99	828.44	4.05	Lower/Relocate
14	Stack	1,711	39° 6' 21.000" N	94° 35' 47.000" W	1/A	adip.faa.gov	N/A	740.00	168.00	908.00	79.29	Light/Mark
15	Tank	53,308	39° 6' 19.242" N	94° 35' 43.632" W	H20/V3	Survey (9/8/2022)	N/A	748.09	101.85	849.94	18.35	Light/Mark
16	Smokestack	10,128	39° 6' 18.591" N	94° 35' 44.720" W	H20/V3	Survey (9/8/2022)	N/A	746.88	104.35	851.23	17.57	Light/Mark
17	Building	3,408	39° 6' 17.675" N	94° 35' 50.733" W	H20/V3	Survey (9/8/2022)	N/A	748.02	91.48	839.50	0.97	Light/Mark
18	Utility Pole	126,796	39° 6' 14.105" N	94° 35' 38.176" W	H20/V3	Survey (9/8/2022)	N/A	790.03	127.83	917.86	14.22	Lower/Relocate
19	Tree	65,580	39° 6' 10.874" N	94° 35' 35.309" W	H20/V3	Survey (9/8/2022)	N/A	921.81	70.37	992.18	4.08	Remove
20	Building	1,730	39° 6' 15.030" N	94° 36' 9.110" W	1/A	adip.faa.gov	N/A	748.00	126.00	874.00	21.00	Light/Mark
21	Building	3,299	39° 6' 15.023" N	94° 36' 9.086" W	H20/V3	Survey (9/8/2022)	N/A	747.83	124.78	872.61	19.60	Light/Mark
22	Utility Pole	126,567	39° 6' 9.813" N	94° 35' 40.110" W	H20/V3	Survey (9/8/2022)	N/A	784.21	120.28	904.49	51.16	Lower/Relocate
23	Building	3,135	39° 6' 10.896" N	94° 35' 57.650" W	H20/V3	Survey (9/8/2022)	N/A	750.97	161.92	912.89	54.65	Light/Mark
24	Tree	63,957	39° 6' 5.821" N	94° 35' 37.353" W	H20/V3	Survey (9/8/2022)	N/A	888.94	64.33	953.27	18.24	Remove
25	Light Pole	12,582	39° 6' 3.993" N	94° 35' 36.534" W	H20/V3	Survey (9/8/2022)	N/A	929.86	33.13	962.99	2.92	Lower/Relocate
26	Road	26,960	39° 6' 2.413" N	94° 35' 39.637" W	H20/V3	Survey (9/8/2022)	N/A	874.82	15.00	889.82	16.28	To Remain
27	Utility Pole	126,317	39° 6' 2.483" N	94° 35' 41.982" W	H20/V3	Survey (9/8/2022)	N/A	798.01	158.11	956.12	83.90	Lower/Relocate
28	Tree	62,678	39° 6' 1.696" N	94° 35' 41.265" W	H20/V3	Survey (9/8/2022)	N/A	817.53	70.73	888.26	14.40	Remove
29	Road	26,768	39° 6' 1.183" N	94° 35' 39.201" W	H20/V3	Survey (9/8/2022)	N/A	880.61	15.00	895.61	8.51	To Remain
30	Road	26,787	39° 6' 1.292" N	94° 35' 42.561" W	H20/V3	Survey (9/8/2022)	N/A	865.82	15.00	880.82	5.41	To Remain
31	Tree	62,124	39° 5' 59.593" N	94° 35' 39.824" W	H20/V3	Survey (9/8/2022)	N/A	880.70	84.19	964.89	86.47	Remove
32	Utility Pole	126,197	39° 5' 59.041" N	94° 35' 43.834" W	H20/V3	Survey (9/8/2022)	N/A	798.54	162.49	961.03	79.51	Lower/Relocate
33	Tree	61,714	39° 5' 58.524" N	94° 35' 41.381" W	H20/V3	Survey (9/8/2022)	N/A	867.63	84.78	952.41	70.68	Remove
34	Sculpture/Monument	20,397	39° 5' 58.033" N	94° 35' 40.110" W	H20/V3	Survey (9/8/2022)	2003-ACE-766-OE	908.72	71.60	980.32	97.92	Light/Mark
35	Tree	60,847	39° 5' 56.168" N	94° 35' 36.790" W	H20/V3	Survey (9/8/2022)	N/A	926.12	52.90	979.02	18.60	Remove
36	Building	2,709	39° 6' 0.030" N	94° 36' 4.597" W	H20/V3	Survey (9/8/2022)	1998-ACE-1481-OE	747.61	186.79	934.40	46.34	Light/Mark
37	Light Pole	11,601	39° 5' 53.316" N	94° 35' 37.463" W	H20/V3	Survey (9/8/2022)	N/A	934.77	71.15	1,005.92	61.83	Lower/Relocate
38	Building	2,588	39° 5' 53.893" N	94° 35' 40.923" W	H20/V3	Survey (9/8/2022)	N/A	925.08	23.34	948.42	55.46	Light/Mark
39	Tree	60,359	39° 5' 53.821" N	94° 35' 42.078" W	H20/V3	Survey (9/8/2022)	N/A	917.54	74.96	992.50	98.86	Remove
40	Road	25,783	39° 5' 52.916" N	94° 35' 37.179" W	H20/V3	Survey (9/8/2022)	N/A	938.10	15.00	953.10	0.57	To Remain
41	Road	25,806	39° 5' 53.096" N	94° 35' 42.328" W	H20/V3	Survey (9/8/2022)	N/A	918.60	15.00	933.60	38.06	To Remain
42	Light Pole	11,545	39° 5' 52.570" N	94° 35' 41.412" W	H20/V3	Survey (9/8/2022)	N/A	931.62	31.91	963.53	67.09	Lower/Relocate
43	Building	123,389	39° 5' 51.100" N	94° 35' 39.851" W	H20/V3	Survey (9/8/2022)	1997-ACE-485-OE	943.87	76.63	1,020.50	121.11	Light/Mark
44	Light Pole	11,330	39° 5' 49.435" N	94° 35' 36.642" W	H20/V3	Survey (9/8/2022)	N/A	953.30	31.73	985.03	13.85	Lower/Relocate
45	Tree	59,307	39° 5' 49.166" N	94° 35' 37.105" W	H20/V3	Survey (9/8/2022)	N/A	951.52	23.98	975.50	17.21	Remove
46	Light Pole	11,367	39° 5' 49.763" N	94° 35' 43.282" W	H20/V3	Survey (9/8/2022)	N/A	932.54	48.94	981.48	77.31	Lower/Relocate
47	Tree	58,907	39° 5' 47.152" N	94° 35' 45.391" W	H20/V3	Survey (9/8/2022)	N/A	925.97	58.49	984.46	72.93	Remove
48	Building	2,474	39° 5' 46.091" N	94° 35' 43.302" W	H20/V3	Survey (9/8/2022)	N/A	929.14	36.33	965.47	52.23	Light/Mark
49	Tree	58,347	39° 5' 44.832" N	94° 35' 39.814" W	H20/V3	Survey (9/8/2022)	N/A	939.94	81.76	1,021.70	106.86	Remove
50	Utility Pole	125,946	39° 5' 46.511" N	94° 35' 49.727" W	H20/V3	Survey (9/8/2022)	N/A	799.91	147.54	947.45	32.46	Lower/Relocate
51	Road	25,109	39° 5' 43.884" N	94° 35' 37.188" W	H20/V3	Survey (9/8/2022)	N/A	950.06	15.00	965.06	3.99	To Remain
52	Utility Pole	125,872	39° 5' 43.682" N	94° 35' 36.117" W	H20/V3	Survey (9/8/2022)	N/A	954.33	42.71	997.04	5.37	Lower/Relocate
53	Tree	58,314	39° 5' 44.686" N	94° 35' 43.714" W	H20/V3	Survey (9/8/2022)	N/A	924.78	90.95	1,015.73	98.84	Remove
54	Building	2,435	39° 5' 43.370" N	94° 35' 36.483" W	H20/V3	Survey (9/8/2022)	N/A	956.79	36.89	993.68	12.10	Light/Mark
55	Road	25,145	39° 5' 44.047" N	94° 35' 42.342" W	H20/V3	Survey (9/8/2022)	N/A	929.08	15.00	944.08	26.21	To Remain
56	Tree	58,295	39° 5' 44.635" N	94° 35' 47.530" W	H20/V3	Survey (9/8/2022)	N/A	914.43	57.81	972.24	53.57	Remove
57	Tree	57,685	39° 5' 41.857" N	94° 35' 37.221" W	H20/V3	Survey (9/8/2022)	N/A	953.89	68.79	1,022.68	60.56	Remove
58	Utility Pole	125,816	39° 5' 41.812" N	94° 35' 37.971" W	H20/V3	Survey (9/8/2022)	N/A	952.71	37.29	990.00	49.13	Lower/Relocate
59	Utility Pole	125,820	39° 5' 41.901" N	94° 35' 42.303" W	H20/V3	Survey (9/8/2022)	N/A	938.11	32.14	970.25	47.10	Lower/Relocate
60	Road	24,951	39° 5' 41.381" N	94° 35' 40.021" W	H20/V3	Survey (9/8/2022)	N/A	940.63	15.00	955.63	32.18	To Remain
61	Tree	57,624	39° 5' 41.567" N	94° 35' 41.738" W	H20/V3	Survey (9/8/2022)	N/A	941.06	67.70	1,008.76	85.03	Remove
62	Building	2,332	39° 5' 40.670" N	94° 35' 36.976" W	H20/V3	Survey (9/8/2022)	N/A	948.94	36.49	985.43	15.23	Light/Mark
63	Utility Pole	125,794	39° 5' 41.070" N	94° 35' 42.333" W	H20/V3	Survey (9/8/2022)	N/A	938.28	32.25	970.53	45.32	Lower/Relocate
64	Light Pole	10,885	39° 5' 41.844" N	94° 35' 48.656" W	H20/V3	Survey (9/8/2022)	N/A	909.24	35.99	945.23	19.19	Lower/Relocate
65	Building	2,315	39° 5' 40.098" N	94° 35' 41.406" W	H20/V3	Survey (9/8/2022)	N/A	939.76	33.60	973.36	46.15	Light/Mark
66	Tree	57,443	39° 5' 40.676" N	94° 35' 50.172" W	H20/V3	Survey (9/8/2022)	N/A	867.95	92.40	960.35	30.77	Remove
67	Tree	56,477	39° 5' 35.980" N	94° 35' 41.435" W	H20/V3	Survey (9/8/2022)	N/A	924.97	80.35	1,005.32	67.94	Remove
68	Utility Pole	125,571	39° 5' 35.167" N	94° 35' 37.187" W	H20/V3	Survey (9/8/2022)	N/A	933.73	42.67	976.40	6.82	Lower/Relocate
69	Road	24,451	39° 5' 35.012" N	94° 35' 38.372" W	H20/V3	Survey (9/8/2022)	N/A	929.78	15.00	944.78	6.33	To Remain
70	Utility Pole	125,585	39° 5' 35.342" N	94° 35' 41.687" W	H20/V3	Survey (9/8/2022)	N/A	918.28	50.70	968.98	29.91	Lower/Relocate
71	Utility Pole	125,605	39° 5' 35.803" N	94° 35' 48.144" W	H20/V3	Survey (9/8/2022)	N/A	889.40	53.16	942.56	1.84	Lower/Relocate
72	Tree	56,071	39° 5' 33.818" N	94° 35' 37.763" W	H20/V3	Survey (9/8/2022)	N/A	939.26	72.91	1,012.17	57.63	Remove
73	Building	123,292	39° 5' 34.338" N	94° 35' 41.272" W	H20/V3	Survey (9/8/2022)	N/A	913.81	49.12	962.93	21.57	Light/Mark
74	Building	2,087	39° 5' 32.873" N	94° 35' 37.164" W	H20/V3	Survey (9/8/2022)	N/A	933.14	41.85	974.99	2.53	Light/Mark
75	Tree	56,019	39° 5' 33.483" N	94° 35' 49.773" W	H20/V3	Survey (9/8/2022)	N/A	869.80	88.28	958.08	10.93	Remove
76	Utility Pole	125,447	39° 5' 31.248" N	94° 35' 38.528" W	H20/V3	Survey (9/8/2022)	N/A	922.07	39.68	961.75	13.95	Lower/Relocate
77	Building	2,002	39° 5' 30.697" N	94° 35' 38.185" W	H20/V3	Survey (9/8/2022)	N/A	928.76	20.58	949.34	0.33	Light/Mark
78	Tree	55,393	39° 5' 29.808" N	94° 35' 41.787" W	H20/V3	Survey (9/8/2022)	N/A	895.29	75.93	971.22	18.46	Remove
79	Tree	55,276	39° 5' 29.010" N	94° 35' 38.914" W	H20/V3	Survey (9/8/2022)	N/A	924.14	82.28	1,006.42	52.93	remove
80	Tree	55,583	39° 5' 31.022" N	94° 35' 53.503" W	H20/V3	Survey (9/8/2022)	N/A	894.40	72.40	966.80	11.96	remove
81	Tree	55,082	39° 5' 27.974" N	94° 35' 54.388" W	H20/V3	Survey (9/8/2022)	N/A	897.34	75.20	972.54	9.80	remove
82	Tree	54,629	39° 5' 25.010" N	94° 35' 38.790" W	H20/V3	Survey (9/8/2022)	N/A	884.91	90.90	975.81	12.50	remove
83	Utility Pole	125,357	39° 5' 28.028" N	94° 35' 58.465" W	H20/V3	Survey (9/8/2022)	N/A	873.05	91.69	964.74	0.36	Lower/Relocate
84	Tree	54,920	39° 5' 26.920" N	94° 35' 53.394" W	H20/V3	Survey (9/8/2022)	N/A	895.96	69.76	965.72	0.81	Remove
85	Tree	54,831	39° 5' 26.422" N	94° 35' 55.071" W	H20/V3	Survey (9/8/2022)	N/A	899.16	77.66	976.82	9.95	Remove
86	Pole	1,749	39° 5' 19.320" N	94° 35' 53.460" W	1/A	adip.faa.gov	N/A	943.00	74.00	1,017.00	33.30	Lower/Relocate
87	Tree	1,748	39° 5' 18.730" N	94° 35' 56.750" W	1/A	adip.faa.gov	N/A	No Data	No Data	1,023.00	36.42	Remove

Runway 19 End Departure Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value	Remediation
1	Road	1,292	39° 8' 1.650" N	94° 35' 25.130" W	1/A	adip.faa.gov	N/A	No Data	No Data	767.00	3.74	To Remain
2	Building	1,230	39° 8' 35.580" N	94° 35' 0.610" W	1/A	adip.faa.gov	N/A	No Data	No Data	875.00	3.54	Light/Mark
3	Tree	1,199	39° 9' 28.620" N	94° 34' 43.000" W	1/A	adip.faa.gov	N/A	No Data	No Data	997.00	15.21	Remove

Runway 19 End Departure Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value
A	Road	39,787	39° 7' 59.582" N	94° 35' 29.233" W	H20/V3	Survey (9/8/2022)	743.64	15.00	758.64	114.58
B	Fence	9,671	39° 8' 1.493" N	94° 35' 24.948" W	H20/V3	Survey (9/8/2022)	753.01	7.03	760.04	3.45
C	Road	40,320	39° 8' 6.290" N	94° 35' 21.379" W	H20/V3	Survey (9/8/2022)	752.57	15.00	767.57	9.30
D	Road	40,267	39° 8' 4.948" N	94° 35' 13.609" W	H20/V3	Survey (9/8/2022)	742.58	15.00	757.58	156.34
E	Road	40,911	39° 8' 14.872" N	94° 35' 12.542" W	H20/V3	Survey (9/8/2022)	744.19	15.00	759.19	42.69
F	C B and Q Railroad	1	39° 8' 15.658" N	94° 35' 11.760" W	N/A	DEM & ESRI Linework	756.00	23.00	779.00	25.15
G	Tree	115,927	39° 8' 26.962" N	94° 35' 26.149" W	H20/V3	Survey (9/8/2022)	733.31	44.34	777.65	48.17
H	Building	7,868	39° 8' 26.733" N	94° 34' 59.000" W	H20/V3	Survey (9/8/2022)	744.93	26.29	771.22	200.94
I	Railroad	51,976	39° 8' 38.804" N	94° 35' 10.346" W	H20/V3	Survey (9/8/2022)	748.55	23.00	771.55	90.33
J	Building	124,887	39° 8' 41.359" N	94° 35' 6.206" W	H20/V3	Survey (9/8/2022)	747.09	28.69	775.78	94.19
K	Building	125,024	39° 8' 47.540" N	94° 35' 0.527" W	H20/V3	Survey (9/8/2022)	742.53	32.89	775.42	112.26
L	Road	43,682	39° 8' 50.361" N	94° 34' 48.484" W	H20/V3	Survey (9/8/2022)	744.24	15.00	759.24	140.61
M	Building	125,151	39° 8' 54.350" N	94° 35' 3.854" W	H20/V3	Survey (9/8/2022)	741.30	27.62	768.92	134.12
N	Tree	122,632	39° 9' 9.657" N	94° 35' 28.106" W	H20/V3	Survey (9/8/2022)	738.94	58.25	797.19	133.13
O	Railroad	52,477	39° 9' 7.234" N	94° 35' 10.693" W	H20/V3	Survey (9/8/2022)	756.68	23.00	779.68	152.20
P	Building	125,258	39° 9' 13.476" N	94° 35' 0.919" W	H20/V3	Survey (9/8/2022)	748.38	35.15	783.53	167.98
Q	Tank	863	39° 9' 28.000" N	94° 34' 53.700" W	5/D	adip.faa.gov	819.00	160.00	979.00	11.47
R	Us Hwy 169	132	39° 9' 33.084" N	94° 35' 21.333" W	N/A	DEM & ESRI Linework	777.00	15.00	792.00	199.06
S	Building	1,202	39° 9' 30.200" N	94° 34' 23.250" W	1/A	adip.faa.gov	894.00	26.00	920.00	89.07
T	N Oak Trfy	96	39° 9' 53.467" N	94° 34' 36.608" W	N/A	DEM & ESRI Linework	904.00	15.00	919.00	141.70

Runway 1 End Departure Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.)
A	Building	5,965	39° 6' 52.080" N	94° 35' 47.390" W	H20/V3	Survey (9/8/2022)	742.40	12.89	755.29	62.34
B	Road	33,683	39° 6' 49.799" N	94° 35' 37.182" W	H20/V3	Survey (9/8/2022)	744.61	15.00	759.61	137.46
C	Tree	77,947	39° 6' 45.606" N	94° 35' 37.886" W	H20/V3	Survey (9/8/2022)	733.32	86.08	819.40	61.79
D	Tree	75,702	39° 6' 40.694" N	94° 35' 52.452" W	H20/V3	Survey (9/8/2022)	733.67	13.27	746.94	35.53
E	Tree	72,169	39° 6' 31.265" N	94° 35' 57.041" W	H20/V3	Survey (9/8/2022)	743.58	11.47	755.05	52.67
F	Road	22,848	39° 6' 25.590" N	94° 36' 2.146" W	H20/V3	Survey (9/8/2022)	782.06	17.00	799.06	24.87
G	Road	29,095	39° 6' 15.584" N	94° 35' 38.512" W	H20/V3	Survey (9/8/2022)	784.45	15.00	799.45	93.20
H	Road	28,857	39° 6' 14.163" N	94° 35' 54.086" W	H20/V3	Survey (9/8/2022)	783.02	15.00	798.02	50.62
I	Tree	64,871	39° 6' 8.054" N	94° 35' 46.353" W	H20/V3	Survey (9/8/2022)	751.42	44.06	795.48	64.89
J	Building	123,610	39° 6' 11.145" N	94° 36' 6.475" W	H20/V3	Survey (9/8/2022)	747.79	104.61	852.40	9.05
K	Building	2,992	39° 6' 7.560" N	94° 36' 14.301" W	H20/V3	Survey (9/8/2022)	746.79	46.03	792.82	80.86
L	Building	2,721	39° 6' 0.394" N	94° 36' 5.727" W	H20/V3	Survey (9/8/2022)	747.54	61.23	808.77	78.88
M	Light Pole	11,847	39° 5' 56.427" N	94° 36' 21.325" W	H20/V3	Survey (9/8/2022)	747.13	85.54	832.67	71.53
N	Light Pole	11,605	39° 5' 53.369" N	94° 36' 4.416" W	H20/V3	Survey (9/8/2022)	748.17	89.07	837.24	67.18
O	Building	1,989	39° 5' 30.290" N	94° 36' 17.821" W	H20/V3	Survey (9/8/2022)	754.53	137.74	892.27	74.90
P	W Pennway St	122	39° 5' 15.323" N	94° 35' 37.270" W	N/A	DEM & ESRI Linework	811.00	15.00	826.00	160.55
Q	State Hwy 32	140	39° 5' 24.248" N	94° 36' 30.571" W	N/A	DEM & ESRI Linework	721.00	15.00	736.00	251.59
R	Allen Ter	573	39° 5' 12.031" N	94° 36' 12.376" W	N/A	DEM & ESRI Linework	760.00	15.00	775.00	234.87
S	M P Railroad	2	39° 5' 15.357" N	94° 36' 49.940" W	N/A	DEM & ESRI Linework	742.00	23.00	765.00	252.91
T	K C T Railway	14	39° 5' 1.531" N	94° 35' 36.555" W	N/A	DEM & ESRI Linework	762.00	23.00	785.00	235.27
U	At SF RR NO 4	9	39° 4' 57.424" N	94° 36' 26.957" W	N/A	DEM & ESRI Linework	754.00	23.00	777.00	275.22

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Coffman Associates
Airport Consultants
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Drawing Scale	
Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

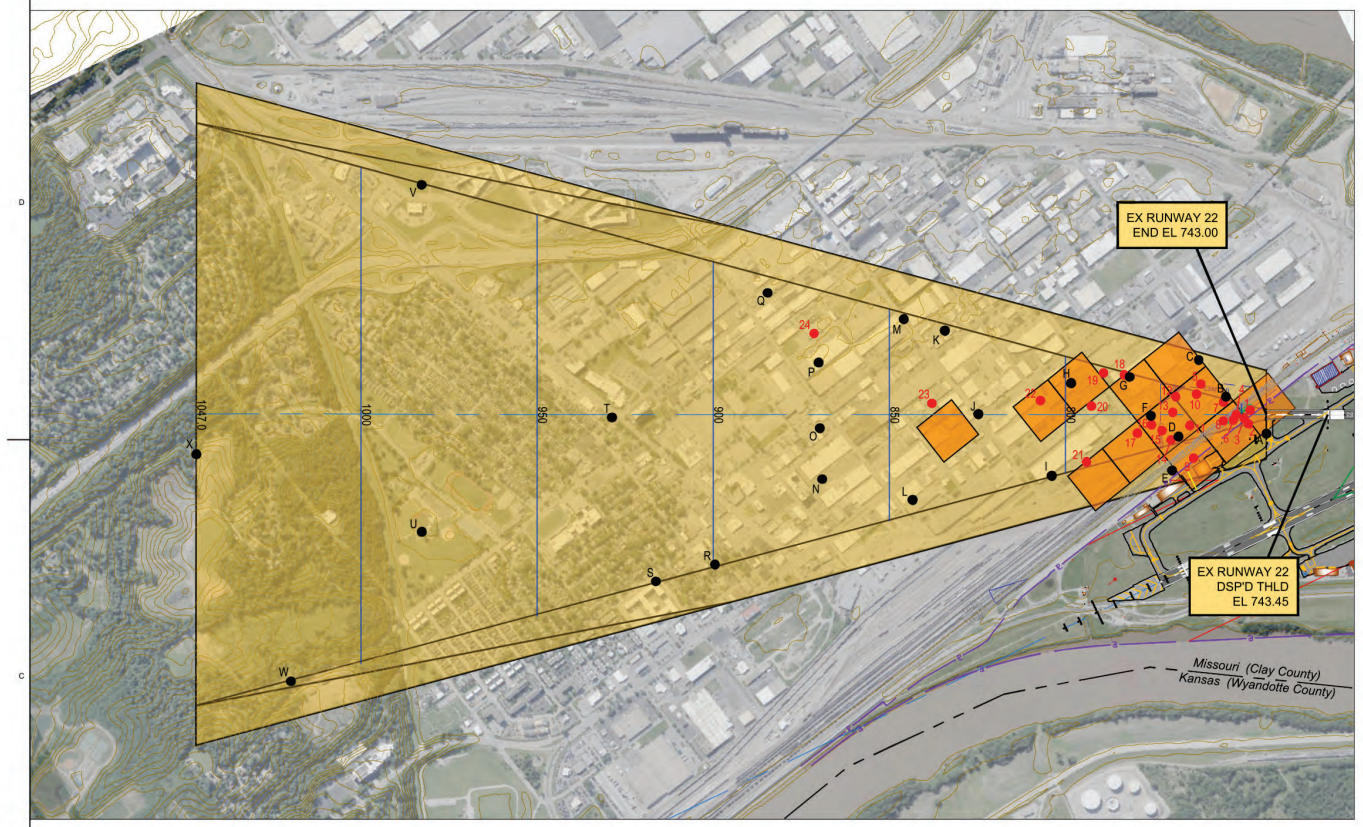
REVISIONS

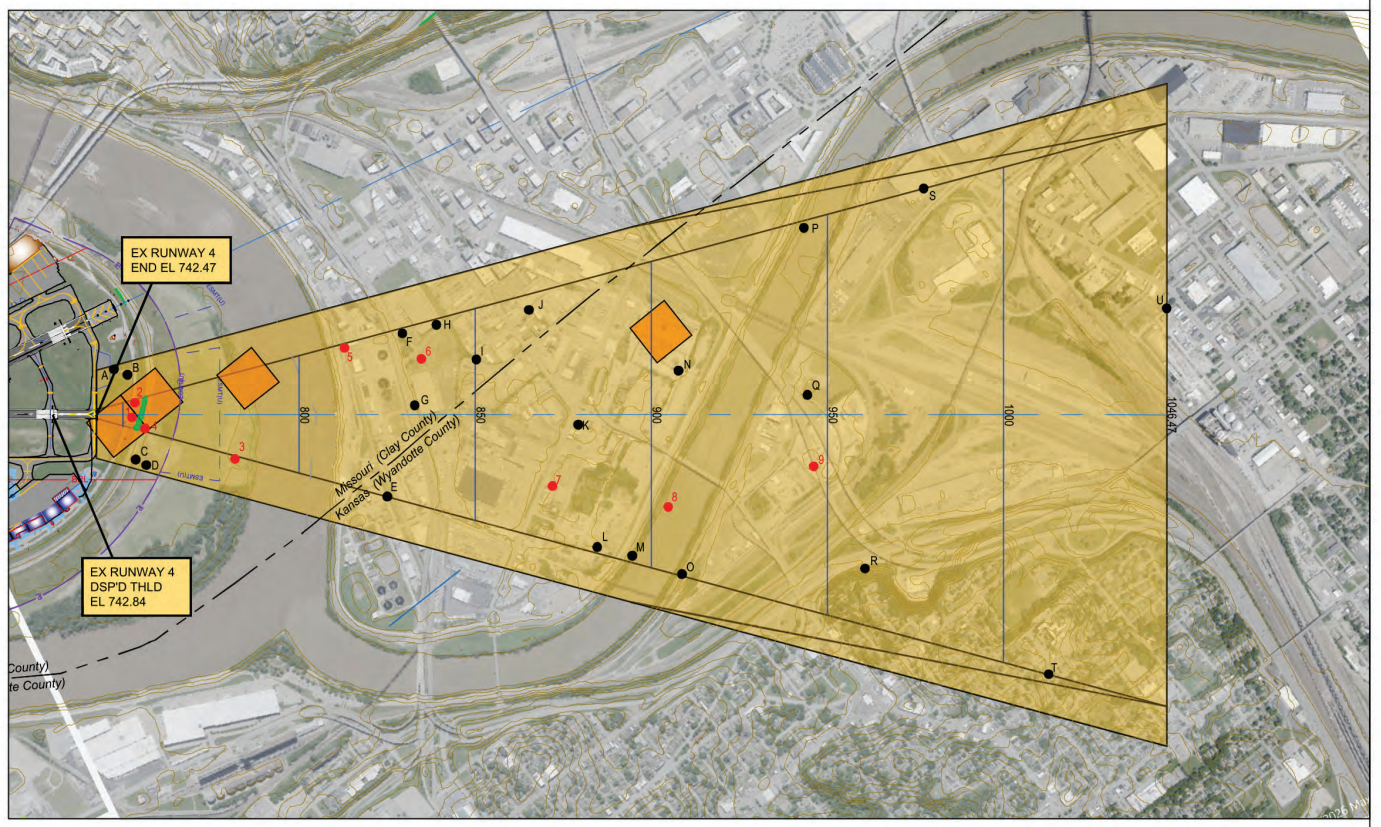
NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: RUNWAY 19-1 DEPARTURE SURFACE OBSTRUCTION AND SIGNIFICANT OBJECT TABLES
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.:

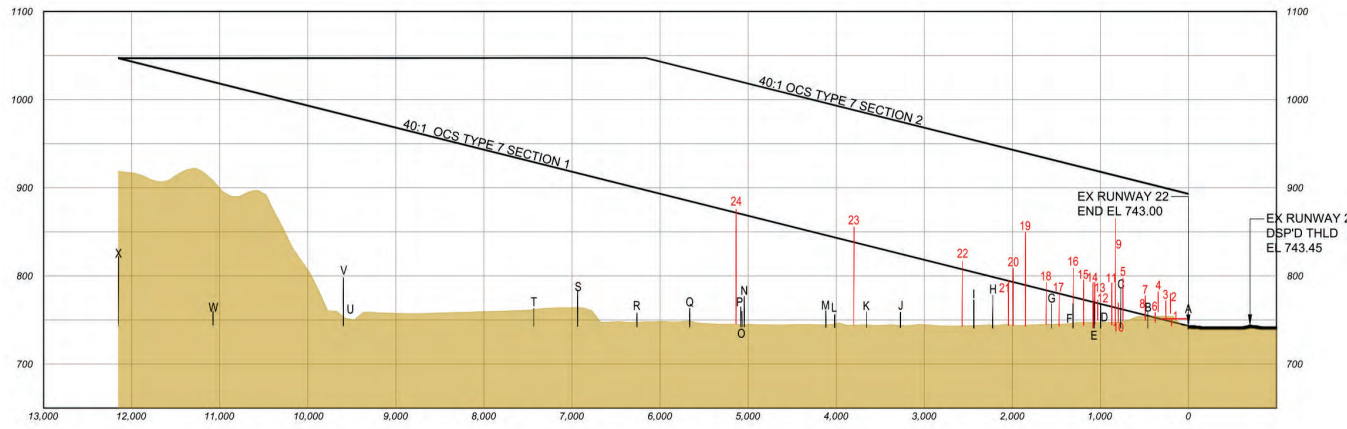
KANSAS CITY Aviation

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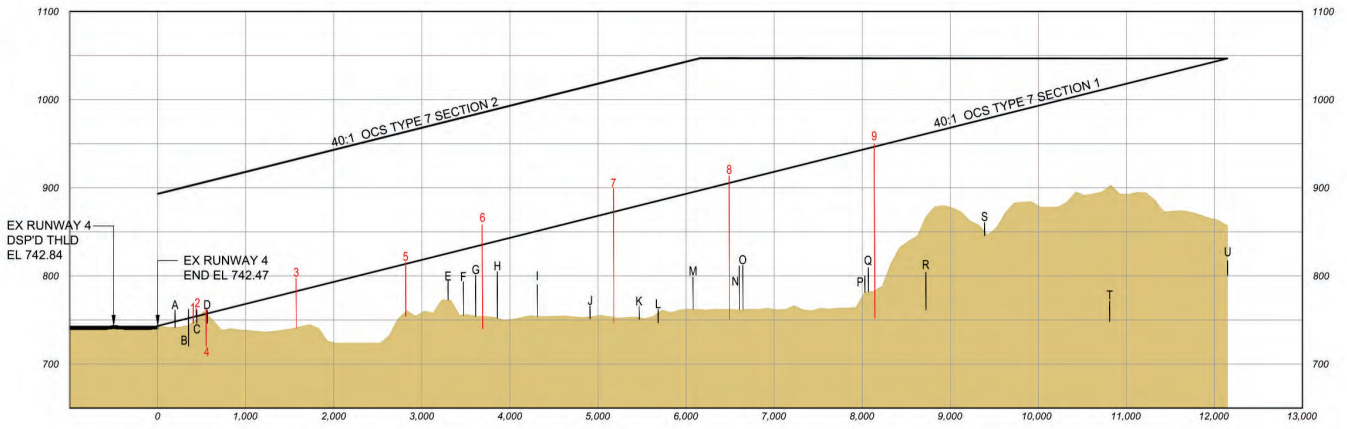


Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

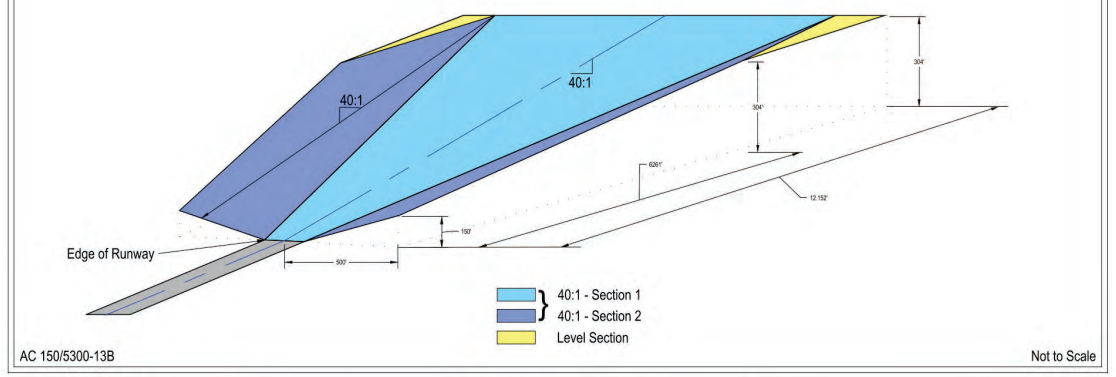


0 1000 2000
HORIZONTAL SCALE IN FEET

0 100 200
VERTICAL SCALE IN FEET



Departure Surface - Isometric View



AC 150/5300-13B

Not to Scale

GENERAL NOTES:

1. Horizontal Datum: North American Datum 1983 - NAD83;
   Vertical Datum: North American Datum 1988 - NAVD88
2. Survey data from Martinez Geospatial dated 09/08/2022.
3. Plan view obstructions within grids represent tallest manmade and/or natural and/or terrain feature.
   Grids within departure surface are 500'x500'.
4. All elevations in msl feet.
5. 2024 aerial coverage for full departure surface area by Microsoft Corporation, 2023 Maxar CNES (2023) Distribution Airbus DS.

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
N/A		Easement
		Section Corners
		Survey Monument with Identifier
		13B Surface 7 Departure Clearance Surface
		Obstruction Identifier
		Significant Object Identifier
		Obstruction Grid
		Terrain Obstruction
		Topographic Contours

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | **MKC**

Coffman Associates
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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title
RUNWAY 4-22
DEPARTURE SURFACE DRAWING

KCAD Project Title
KCAD PROJECT NAME

KCAD Project No.
62220555

Drawing No.

Drawing 22 of 27

KANSAS CITY Aviation

Design Phase
DRAFT

Design Package
AIRPORT LAYOUT PLAN DRAWINGS

Coffman Associates C:\Users\diana\Coffman Associates Inc\Coffman - sp_CAD (1)\MP\MKC_KC_Downtown_23\ALP\20 21 22 23 MKC DEP.dwg Printed Date: 9-30-26 12:10:12 PM diana

Runway 4 End Departure Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value (ft.)	Remediation
1	Road	34,106	39° 6' 55.400" N	94° 35' 57.510" W	H20/V3	Survey (9/8/2022)	N/A	746.00	15.00	761.00	8.56	To Remain
2	Terrain/Dam	1,678	39° 6' 56.160" N	94° 35' 59.420" W	1/A	adip.faa.gov	N/A	755.00	8.00	763.00	9.73	To Remain
3	Tree	76,899	39° 6' 43.421" N	94° 36' 2.041" W	H20/V3	Survey (9/8/2022)	N/A	739.78	56.80	796.58	4.73	Remove
4	Terrain/Dam	9,254	39° 6' 53.480" N	94° 35' 57.430" W	H20/V3	Survey (9/8/2022)	N/A	762.00	0.00	762.00	5.85	To Remain
5	Elevator	9,399	39° 6' 41.534" N	94° 36' 24.379" W	H20/V3	Survey (9/8/2022)	2019-ACE-2220-OE	752.72	61.80	814.52	1.70	To Remain - See FAA letter dated 4/29/2019
6	Pole	1,688	39° 6' 34.000" N	94° 36' 30.000" W	1/A	adip.faa.gov	N/A	740.00	118.00	858.00	23.37	Lower/Relocate
7	Elevator	9,396	39° 6' 13.600" N	94° 36' 27.410" W	H20/V3	Survey (9/8/2022)	2017-ACE-7231-OE	746.07	152.92	898.99	27.10	To Remain
8	Elevator	9,393	39° 6' 1.970" N	94° 36' 35.410" W	H20/V3	Survey (9/8/2022)	N/A	748.01	162.99	911.00	6.27	Light/Mark
9	Stack	1,753	39° 5' 52.000" N	94° 36' 53.000" W	2/C	adip.faa.gov	N/A	750.00	198.00	948.00	1.97	Light/Mark

Runway 22 End Departure Obstructions

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	FAA Study #	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Penetration Value	Remediation
1	Fence	9,621	39° 7' 39.515" N	94° 35' 13.882" W	H20/V3	Survey (9/8/2022)	N/A	742.78	8.63	751.41	3.75	Relocate Fence
2	Railroad	48,209	39° 7' 38.700" N	94° 35' 12.200" W	H20/V3	Survey (9/8/2022)	N/A	757.00	23.00	780.00	31.90	To Remain
3	Tree	98590	39° 7' 39.483" N	94° 35' 12.458" W	H20/V3	Survey (9/8/2022)	N/A	750.49	21.52	772.01	22.67	Remove
4	Railroad	48290	39° 7' 40.400" N	94° 35' 12.140" W	H20/V3	Survey (9/8/2022)	N/A	759.00	23.00	782.00	30.45	To Remain
5	Tree	1266	39° 7' 45.650" N	94° 35' 12.430" W	1/A	adip.faa.gov	N/A	No Data	No Data	797.00	2.47	Remove
6	Solar Panel	53151	39° 7' 40.291" N	94° 35' 11.267" W	H20/V3	Survey (9/8/2022)	N/A	746.99	11.53	758.52	6.12	Light/Mark
7	Tree	99755	39° 7' 42.405" N	94° 35' 12.407" W	H20/V3	Survey (9/8/2022)	N/A	752.17	25.21	777.38	22.19	Remove
8	Railroad	48312	39° 7' 41.100" N	94° 35' 10.270" W	H20/V3	Survey (9/8/2022)	N/A	749.00	23.00	772.00	16.78	To Remain
9	Elevator	9415	39° 7' 41.140" N	94° 35' 3.390" W	H20/V3	Survey (9/8/2022)	2019-ACE-5720-OE	743.11	121.89	865.00	27.41	To Remain - See FAA letter dated 9/23/2022
10	Railroad	48468	39° 7' 45.348" N	94° 35' 10.913" W	H20/V3	Survey (9/8/2022)	N/A	746.32	23.00	769.32	6.47	To Remain
11	Pole	1259	39° 7' 43.730" N	94° 35' 6.740" W	1/A	adip.faa.gov	N/A	744.00	48.00	792.00	27.24	Lower/Relocate
12	Railroad	48532	39° 7' 46.980" N	94° 35' 8.740" W	H20/V3	Survey (9/8/2022)	N/A	749.00	23.00	772.00	3.25	To Remain
13	Pole	1269	39° 7' 46.160" N	94° 35' 6.740" W	1/A	adip.faa.gov	N/A	744.00	48.00	792.00	22.43	Lower/Relocate
14	Tree	1337	39° 7' 44.390" N	94° 35' 3.450" W	1/A	adip.faa.gov	N/A	No Data	No Data	792.00	21.91	Remove
15	Tree	100876	39° 7' 45.841" N	94° 35' 3.674" W	H20/V3	Survey (9/8/2022)	N/A	742.84	52.24	795.08	22.39	Remove
16	Building	7258	39° 7' 47.171" N	94° 35' 3.391" W	H20/V3	Survey (9/8/2022)	N/A	741.42	66.96	808.38	32.71	Light/Mark
17	Pole	1343	39° 7' 47.820" N	94° 35' 1.180" W	1/A	adip.faa.gov	N/A	742.00	39.00	781.00	1.33	Lower/Relocate
18	Utility Pole	131820	39° 7' 53.027" N	94° 35' 6.602" W	H20/V3	Survey (9/8/2022)	N/A	744.13	48.03	792.16	8.81	Lower/Relocate
19	Tower	123262	39° 7' 54.994" N	94° 35' 4.962" W	H20/V3	Survey (9/8/2022)	2018-ACE-4492-OE	742.26	106.83	849.09	59.84	To Remain - See FAA letter dated 6/26/2018
20	Tank	1345	39° 7' 53.750" N	94° 35' 0.130" W	1/A	adip.faa.gov	N/A	743.00	65.00	808.00	15.30	Light/Mark
21	Utility Pole	131670	39° 7' 50.273" N	94° 34' 53.383" W	H20/V3	Survey (9/8/2022)	N/A	742.63	52.33	794.96	0.89	Lower/Relocate
22	Tree	105718	39° 7' 58.625" N	94° 34' 56.193" W	H20/V3	Survey (9/8/2022)	N/A	741.89	74.21	816.10	8.92	Remove
23	Tower	123265	39° 8' 7.970" N	94° 34' 46.183" W	H20/V3	Survey (9/8/2022)	2013-ACE-3191-OE	743.34	111.19	854.53	16.57	To Remain - See FAA letter dated 2/13/2014
24	Building	1103	39° 8' 23.200" N	94° 34' 43.500" W	4/D	adip.faa.gov	2019-ACE-2304-OE	744.00	130.00	874.00	2.59	To Remain - See FAA letter dated 5/24/2019

Runway 4 End Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.)
A	Road	33,830	39° 6' 52.110" N	94° 35' 53.090" W	H20/V3	Survey (9/8/2022)	746.00	15.00	761.00	105.53
B	Road	34726	39° 7' 0.310" N	94° 36' 1.330" W	H20/V3	Survey (9/8/2022)	746.00	15.00	761.00	124.35
C	Terrain/Dam	9259	39° 6' 58.760" N	94° 36' 1.920" W	H20/V3	Survey (9/8/2022)	762.00	0.00	762.00	93.25
D	Terrain/Dam	9249	39° 6' 50.797" N	94° 35' 53.415" W	H20/V3	Survey (9/8/2022)	760.99	0.00	760.99	118.66
E	Building	4916	39° 6' 37.441" N	94° 36' 31.201" W	H20/V3	Survey (9/8/2022)	753.59	38.70	792.29	36.99
F	Road	22963	39° 6' 27.409" N	94° 36' 11.428" W	H20/V3	Survey (9/8/2022)	776.51	17.00	793.51	31.44
G	Road	23053	39° 6' 31.343" N	94° 36' 24.181" W	H20/V3	Survey (9/8/2022)	782.33	17.00	799.33	33.44
H	Road	23124	39° 6' 35.044" N	94° 36' 35.205" W	H20/V3	Survey (9/8/2022)	786.54	17.00	803.54	35.39
I	Building	123774	39° 6' 29.114" N	94° 36' 34.874" W	H20/V3	Survey (9/8/2022)	752.25	36.26	788.51	61.77
J	Road	27402	39° 6' 5.411" N	94° 36' 24.502" W	H20/V3	Survey (9/8/2022)	744.76	15.00	759.76	124.80
K	Road	26861	39° 6' 1.737" N	94° 36' 26.663" W	H20/V3	Survey (9/8/2022)	781.48	15.00	796.48	98.00
L	Road	29113	39° 6' 15.618" N	94° 36' 36.611" W	H20/V3	Survey (9/8/2022)	748.89	15.00	763.89	115.26
M	Road	31060	39° 6' 27.958" N	94° 36' 45.174" W	H20/V3	Survey (9/8/2022)	749.14	15.00	764.14	101.04
N	Road	28200	39° 6' 10.560" N	94° 36' 51.683" W	H20/V3	Survey (9/8/2022)	793.56	15.00	808.56	99.08
O	Road	21791	39° 5' 56.077" N	94° 36' 29.050" W	H20/V3	Survey (9/8/2022)	792.35	17.00	809.35	99.27
P	Road	21907	39° 5' 57.512" N	94° 37' 0.483" W	H20/V3	Survey (9/8/2022)	789.60	17.00	806.60	137.67
Q	Road	28047	39° 6' 9.466" N	94° 37' 19.022" W	H20/V3	Survey (9/8/2022)	782.23	15.00	797.23	146.04
R	Building	2322	39° 5' 40.359" N	94° 36' 46.044" W	H20/V3	Survey (9/8/2022)	758.29	42.59	800.88	159.70
S	S 7th St	312	39° 6' 1.672" N	94° 37' 34.195" W	N/A	DEM & ESRI Linework	842.00	15.00	857.00	120.29
T	I 670	308	39° 5' 31.937" N	94° 37' 42.396" W	N/A	DEM & ESRI Linework	796.00	17.00	813.00	233.27
U	M P Railroad	25	39° 5' 16.834" N	94° 36' 50.563" W	N/A	DEM & ESRI Linework	744.00	23.00	767.00	245.74

Runway 22 End Significant Objects

Point ID	Feature	Survey #	Latitude	Longitude	Survey Accuracy	Source	Ground Elevation (ft. msl.)	Height (AGL)	Top Elevation (ft. msl.)	Clearance Value (ft.)
A	Road	37,329	39° 7' 36.442" N	94° 35' 12.675" W	H20/V3	Survey (9/8/2022)	742.54	15.00	757.54	40.66
B	Road	38065	39° 7' 42.569" N	94° 35' 13.223" W	H20/V3	Survey (9/8/2022)	743.92	15.00	758.92	5.58
C	Building	124303	39° 7' 47.520" N	94° 35' 14.945" W	H20/V3	Survey (9/8/2022)	744.43	40.32	784.75	99.13
D	Railroad	48417	39° 7' 43.953" N	94° 35' 4.476" W	H20/V3	Survey (9/8/2022)	744.88	23.00	767.88	0.09
E	Building	124237	39° 7' 42.181" N	94° 35' 0.099" W	H20/V3	Survey (9/8/2022)	742.21	28.91	771.12	96.70
F	Railroad	48563	39° 7' 47.830" N	94° 35' 4.360" W	H20/V3	Survey (9/8/2022)	744.78	23.00	767.78	8.02
G	Railroad	48777	39° 7' 52.422" N	94° 35' 6.841" W	H20/V3	Survey (9/8/2022)	744.92	23.00	767.92	13.94
H	Building	124419	39° 7' 57.143" N	94° 35' 0.888" W	H20/V3	Survey (9/8/2022)	742.60	34.37	776.97	21.53
I	Building	124355	39° 7' 52.375" N	94° 34' 48.711" W	H20/V3	Survey (9/8/2022)	742.62	28.91	771.53	32.44
J	Road	40090	39° 8' 3.129" N	94° 34' 49.109" W	H20/V3	Survey (9/8/2022)	742.36	15.00	757.36	67.42
K	Road	40755	39° 8' 11.906" N	94° 34' 55.513" W	H20/V3	Survey (9/8/2022)	742.81	15.00	757.81	76.52
L	Road	40046	39° 8' 2.954" N	94° 34' 33.548" W	H20/V3	Survey (9/8/2022)	739.76	15.00	754.76	88.72
M	Road	41081	39° 8' 16.304" N	94° 34' 53.131" W	H20/V3	Survey (9/8/2022)	743.98	15.00	758.98	86.98
N	Building	124571	39° 8' 12.340" N	94° 34' 27.784" W	H20/V3	Survey (9/8/2022)	740.23	34.52	774.75	94.39
O	Road	41037	39° 8' 16.099" N	94° 34' 33.326" W	H20/V3	Survey (9/8/2022)	743.23	15.00	758.23	111.57
P	Building	124666	39° 8' 20.784" N	94° 34' 40.625" W	H20/V3	Survey (9/8/2022)	743.83	19.14	762.97	107.18
Q	Road	41851	39° 8' 30.116" N	94° 34' 43.931" W	H20/V3	Survey (9/8/2022)	746.24	15.00	761.24	123.36
R	Road	40973	39° 8' 15.823" N	94° 34' 8.545" W	H20/V3	Survey (9/8/2022)	740.52	15.00	755.52	144.08
S	Road	23794	39° 8' 19.866" N	94° 34' 1.357" W	H20/V3	Survey (9/8/2022)	764.11	17.00	781.11	135.3
T	Road	42343	39° 8' 35.138" N	94° 34' 15.908" W	H20/V3	Survey (9/8/2022)	745.81	15.00	760.81	168.04
U	Tree	118792	39° 8' 43.894" N	94° 33' 45.966" W	H20/V3	Survey (9/8/2022)	739.01	55.52	794.53	188.32
V	Road	44638	39° 9' 8.103" N	94° 34' 25.133" W	H20/V3	Survey (9/8/2022)	745.40	15.00	760.40	222.47
W	Railroad Ave	357	39° 8' 44.980" N	94° 33' 17.404" W	N/A	DEM & ESRI Linework	741.00	15.00	756.00	263.98
X	I 29	347	39° 9' 9.133" N	94° 33' 34.544" W	N/A	DEM & ESRI Linework	801.00	17.00	818.00	228.84

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CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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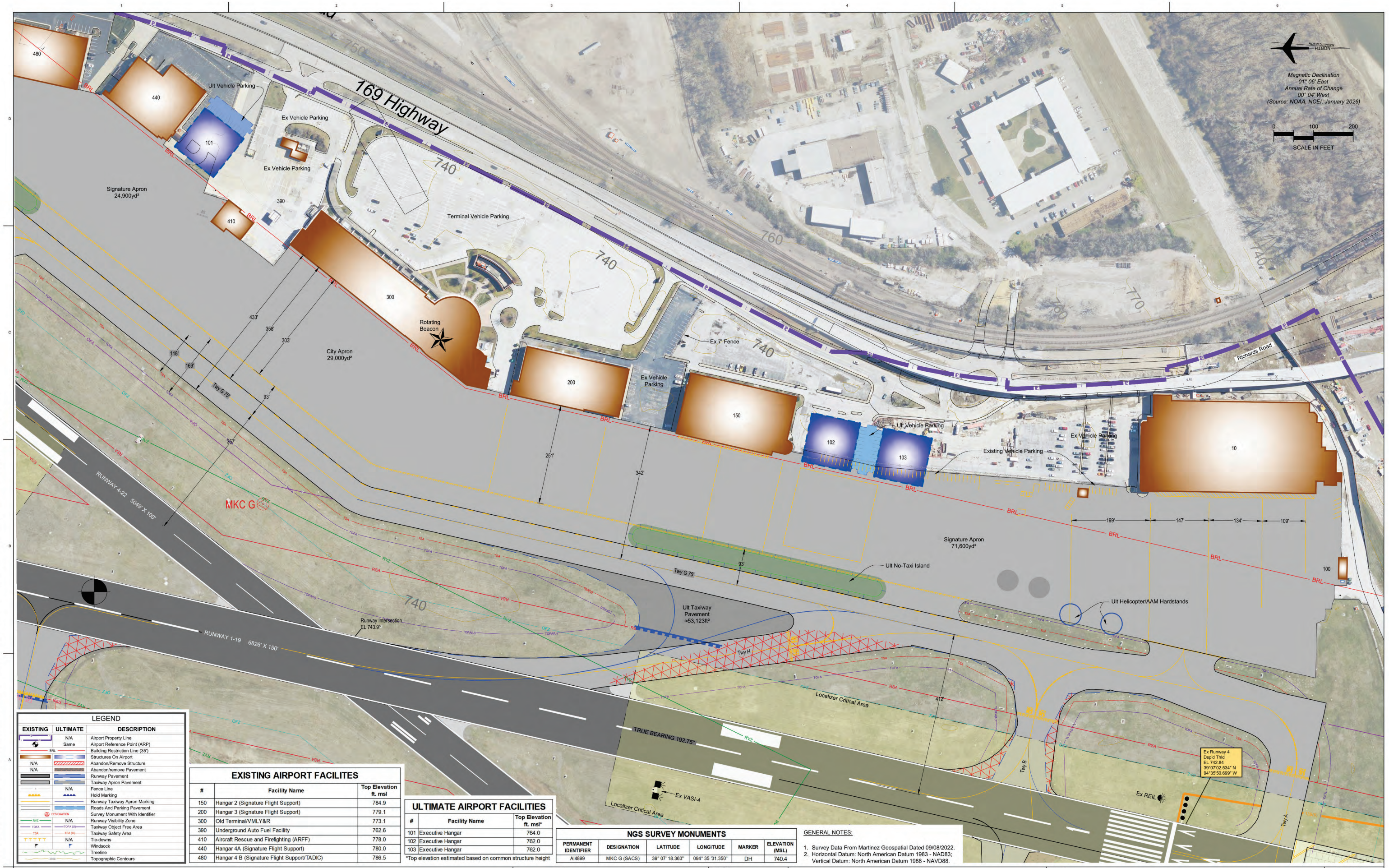
Drawing Scale	
Varies	
Designed By: P.T.	Drawn By: D.P.
Checked By: M.D.	Approved By: M.D.
Consultant Project No.: 22MP17	Initial Issue Date: 2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: RUNWAY 4-22 DEPARTURE SURFACE OBSTRUCTION AND SIGNIFICANT OBJECT TABLES
KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.
Drawing 23 of 27

KANSAS CITY Aviation



LEGEND

EXISTING	ULTIMATE	DESCRIPTION
	N/A	Airport Property Line
	Same	Airport Reference Point (ARP)
BRL		Building Restriction Line (35')
		Structures On Airport
N/A		Abandon/Remove Structure
N/A		Abandon/remove Pavement
		Runway Pavement
		Taxiway Apron Pavement
	N/A	Fence Line
		Hold Marking
		Runway Taxiway Apron Marking
		Roads And Parking Pavement
DESIGNATION		Survey Monument With Identifier
RVZ	N/A	Runway Visibility Zone
TOFA	TOFA (U)	Taxiway Object Free Area
TSA	TSA (U)	Taxiway Safety Area
	N/A	Tie-downs
		Windsock
		Treeline
3665		Topographic Contours

EXISTING AIRPORT FACILITES

#	Facility Name	Top Elevation ft. msl
150	Hangar 2 (Signature Flight Support)	784.9
200	Hangar 3 (Signature Flight Support)	779.1
300	Old Terminal/VMLY&R	773.1
390	Underground Auto Fuel Facility	762.6
410	Aircraft Rescue and Firefighting (ARFF)	778.0
440	Hangar 4A (Signature Flight Support)	780.0
480	Hangar 4 B (Signature Flight Support/TADIC)	786.5

ULTIMATE AIRPORT FACILITIES

#	Facility Name	Top Elevation ft. msl*
101	Executive Hangar	764.0
102	Executive Hangar	762.0
103	Executive Hangar	762.0

*Top elevation estimated based on common structure height

NGS SURVEY MONUMENTS

PERMANENT IDENTIFIER	DESIGNATION	LATITUDE	LONGITUDE	MARKER	ELEVATION (MSL)
AI4899	MKC G (SACS)	39° 07' 18.363"	094° 35 '31.350"	DH	740.4

GENERAL NOTES:

1. Survey Data From Martinez Geospatial Dated 09/08/2022.
2. Horizontal Datum: North American Datum 1983 - NAD83; Vertical Datum: North American Datum 1988 - NAVD88.

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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www.coffmanassociates.com

Drawing Scale	Varies		
Designed By	P.T.	Drawn By	D.P.
Checked By	M.D.	Approved By	M.D.
Consultant Project No.	22MP17	Initial Issue Date	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: TERMINAL AREA DRAWING
EAST SIDE

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.: Drawing 24 of 27

KANSAS CITY Aviation

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GENERAL NOTES:

1. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.
2. HORIZONTAL DATUM: NORTH AMERICAN DATUM 1983 - NAD83; VERTICAL DATUM: NORTH AMERICAN DATUM 1988 - NAVD88.
3. THE PERIMETER OF THE AIRPORT IS SECURED BY SEVEN-FOOT CHAIN-LINK FENCING TOPPED WITH ONE FOOT OF BARBED WIRE.

ULTIMATE AIRPORT FACILITIES

#	Facility Name	Top Elevation ft. msl*
104	T-Hangars	760.0
105	T-Hangars	760.0
106	T-Hangars	760.0
107	Executive Hangar	776.0
108	Executive Hangar	766.0
109	Hangar	766.0
110	Hangar	766.0
111	Hangar	766.0
112	Office/Shop	762.0
113	Conventional Hangar	766.0
114	Shop	762.0
115	Conventional Hangar	766.0
116	Shop	762.0
117	Conventional Hangar	766.0
118	Shop	762.0
119	Terminal/Offices/Shop	776.0
120	Conventional Hangar	766.0
121	Shop	761.0
122	Conventional Hangar	766.0
123	Shop	761.0
124	Conventional Hangar	765.0
125	Shop	761.0
126	Fuel Farm	758.0
127	Executive Hangar	766.0
128	Conventional Hangar	766.0
129	Conventional Hangar	766.0
130	Conventional Hangar	766.0
131	Conventional Hangar	766.0
132	Conventional Hangar	766.0

*Top elevation estimated based on common structure height

EXISTING AIRPORT FACILITES

	Facility Name	Top Elevation ft. msl
201	Hangar 9 (Signature Flight Support)	759.9
351	Office/Storage (Signature Flight Support)	759.3
401	Hangar 8A (Signature Flight Support)	765.5
411	Hangar 8B (Signature Flight Support)	765.5
501	Hangar 7 (Signature Flight Support)	783.0
601	Hangar 6B (Signature Flight Support)	800.0
651	FAA Airways and Facilities Building	764.8
653	FAA Air Traffic Control Tower	850.1
701	Hangar 6A (Signature Flight Support)	797.1
801	Shade Hangars, 12 Spaces	765.0
901	T-Hangar, 10 Units	759.2
903	Linear Box Hangars, 6 Units	767.7
905	T-Hangar, 19 Units	761.4
907	T-Hangar, 21 Units	761.5
909	T-Hangar, 21 Units	763.6
911	T-Hangar, 13 Units	759.2
913	Self-Serve Fuel Facility	758.4
915	Linear Box Hangars, 6 Units	767.9
925	GA Terminal Building	767.9
1001	FBO Terminal (Atlantic Aviation)	784.6
1031	Hangar 10 (Atlantic Aviation)	784.6
1061	Hangar 11, (Atlantic Aviation)	784.6
1101	Hangar 14	773.3
1115	Hangar 15	773.3
1121	Customs and Border Protection	743.3
1201	Glideslope Antenna	743.2

LEGEND

EXISTING	ULTIMATE	DESCRIPTION
	N/A	Airport Property Line
	BRL	Building Restriction Line (35')
		Structures On Airport
N/A		Abandon/Remove Structure
N/A		Covered Walkway
N/A		Abandon/remove Pavement
		Taxiway Apron Pavement
	N/A	Fence Line
		Hold Marking
		Runway Taxiway Apron Marking
		Roads And Parking Pavement
TOFA	TOFA (U)	Taxiway Object Free Area
TSA	TSA (U)	Taxiway Safety Area
N/A		Tie-downs
	N/A	Windsock
3660		Topographic Contours

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NCEI, January 2026)

SCALE IN FEET: 0 100 200

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

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Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: TERMINAL AREA DRAWING WEST SIDE

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

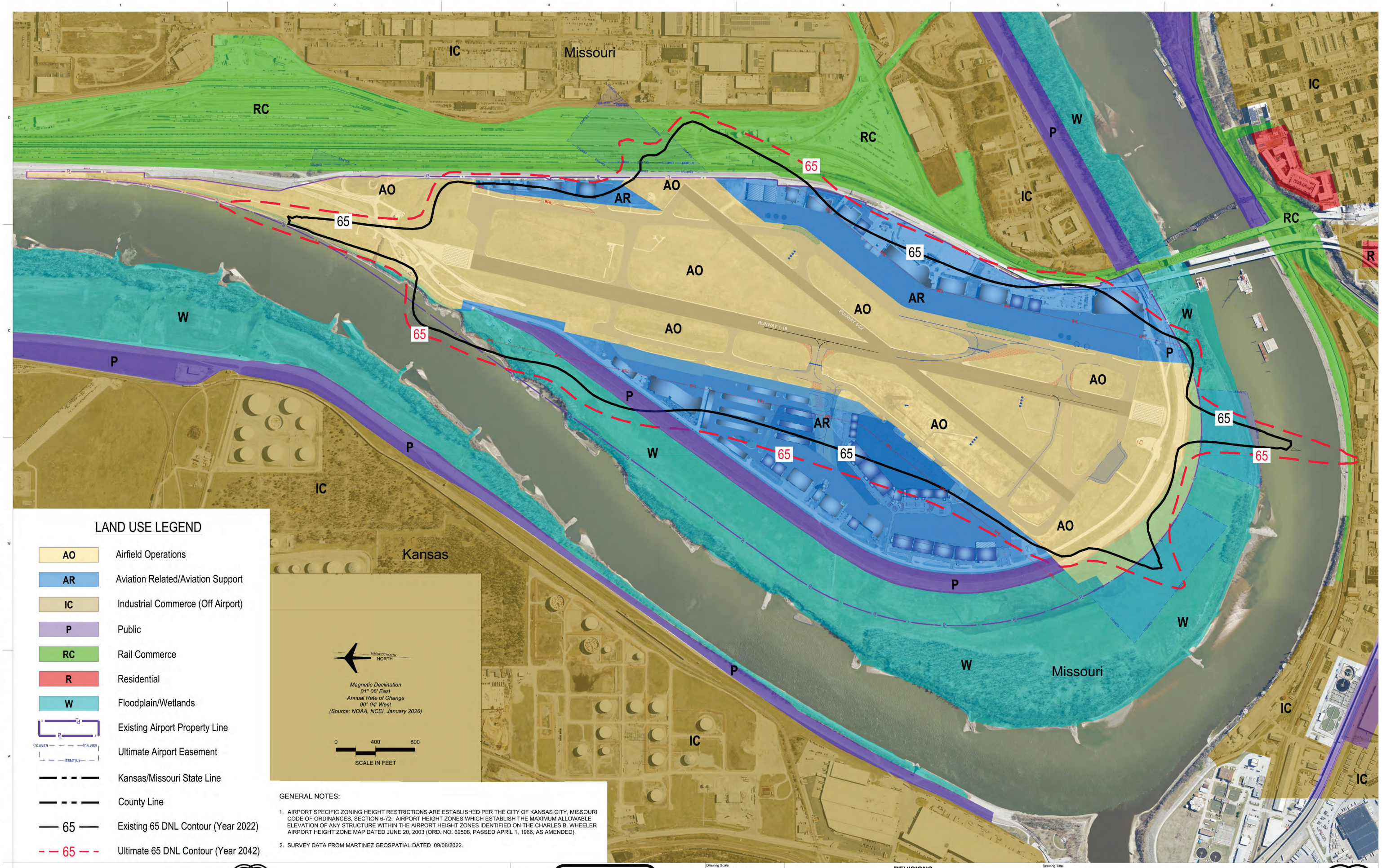
Drawing No.: 25 of 27

KANSAS CITY Aviation

Design Phase: DRAFT

Design Package: AIRPORT LAYOUT PLAN DRAWINGS

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LAND USE LEGEND

AO	Airfield Operations
AR	Aviation Related/Aviation Support
IC	Industrial Commerce (Off Airport)
P	Public
RC	Rail Commerce
R	Residential
W	Floodplain/Wetlands
	Existing Airport Property Line
	Ultimate Airport Easement
	Kansas/Missouri State Line
	County Line
65	Existing 65 DNL Contour (Year 2022)
65	Ultimate 65 DNL Contour (Year 2042)

GENERAL NOTES:

1. AIRPORT SPECIFIC ZONING HEIGHT RESTRICTIONS ARE ESTABLISHED PER THE CITY OF KANSAS CITY, MISSOURI CODE OF ORDINANCES, SECTION 6-72: AIRPORT HEIGHT ZONES WHICH ESTABLISH THE MAXIMUM ALLOWABLE ELEVATION OF ANY STRUCTURE WITHIN THE AIRPORT HEIGHT ZONES IDENTIFIED ON THE CHARLES B. WHEELER AIRPORT HEIGHT ZONE MAP DATED JUNE 20, 2003 (ORD. NO. 62508, PASSED APRIL 1, 1966, AS AMENDED).
2. SURVEY DATA FROM MARTINEZ GEOSPATIAL DATED 09/08/2022.

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
Downtown Airport – Wheeler Field | MKC

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Design Phase	DRAFT
Design Package	AIRPORT LAYOUT PLAN DRAWINGS
Drawing Scale	Varies
Designed By	P.T.
Drawn By	D.P.
Checked By	M.D.
Approved By	M.D.
Consultant Project No.	22MP17
Initial Issue Date	2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title: LAND USE DRAWING

KCAD Project Title: KCAD PROJECT NAME

KCAD Project No.: 62220555

Drawing No.

Drawing 26 of 27

KANSAS CITY Aviation

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SURVEY MONUMENTS			
DESIGNATION	PERMANENT IDENTIFIER	LATITUDE	LONGITUDE
MKC F	A14898	39° 08' 02.563"	094° 35' 19.838"
MKC G	AI4899	39° 07' 18.363"	094° 35 '31.350"
MKC H	AI4900	39° 07' 00.552"	094° 35' 46.223"

MAGNETIC NORTH
NORTH

Magnetic Declination
01° 06' East
Annual Rate of Change
00° 04' West
(Source: NOAA, NGEI, January 2026)

0 400 800
SCALE IN FEET

AE-1
AE-2
AE-3-1
AE-3-2
AE-3-3
AE-3-4
AE-3-5
AE-4
R-A1-1
R-A2-1
R-A2-2
R-A2-3
R-A2-4
R-A2-5
R-A2-6
R-A2-7
R-A2-8
R-A2-9
R-A2-10
R-A2-12
R-A2-13
A1
A2
319.54'
N 89°58'46"W
SEE DETAIL 1 SHEET 29
SEE DETAIL 2 SHEET 29
SEE DETAIL 3 SHEET 29
SEE DETAIL 4 SHEET 29
Burlington Northern Railroad
Burlington Northern Railroad
Richards Road
RUNWAY 1-19 6826' X 150'
RUNWAY 4-22 5045' X 100'
TRUE BEARING 192.75°
TRUE BEARING 219.48°
NW Lou Holland Drive
USACE Levee
Missouri River
Trees
Twy A
Twy B
Twy D
Twy F
Twy G
Twy G1
Twy H
Twy J
Twy K
Twy L
Twy L 50'
Twy L 50'
Twy M
Twy M
Twy S
Twy S
Twy E
Twy E
Twy A1
Twy A1
Twy A
Twy A
Twy A
Twy A
Twy B
Twy B
D1
D2
Missouri (Clay County)
Kansas (Wyandotte County)
Kickapoo (Jackson County)
Missouri (Clay County)

LEGEND		
EXISTING	ULTIMATE	DESCRIPTION
		Kansas/Missouri State Line
		County Line
	N/A	Airport Property Line
		Section Corners
	SAME	Airport Reference Point (ARP)
	SAME	Airport Rotating Beacon
N/A		Avigation Easement
	SAME	Permanent Easement
	SAME	Aerial Rights Easement
	SAME	Released Parcels

Ultimate Easements

Parcel ID	Grantor	Interest	Acreage	Purpose	Notes
AE-1	Burlington Northern Railroad	Avigation Easement	0.85	Approach Protection	Parcel ID: 17504000100400 & 17617000100100
AE-2	Unknown	Avigation Easement	11.27	Approach Protection	Parcel ID: 17802000100300
AE-3-1	Burlington Northern Railroad	Avigation Easement	1.1	Approach Protection	Parcel ID: 17504000100400 & 17617000100100
AE-3-2	Burlington Northern Railroad	Avigation Easement	10.65	Approach Protection	Parcel ID: 17504000100400 & 17617000100100
AE-3-3	BN Leasing Corp	Avigation Easement	0.24	Approach Protection	Parcel ID: 17617000100300
AE-3-4	Livestock Nutrition Center LLC	Avigation Easement	0.04	Approach Protection	Parcel ID: 17617000100400
AE-3-5	Aileen Quirk & Sons Inc.	Avigation Easement	0.49	Approach Protection	Parcel ID: 17617000100200
AE-4	Unknown	Avigation Easement	16.66	Approach Protection	Parcel ID: 17802000100300

Fee Simple Property

Parcel ID	Previous Parcel ID	Grantor	Interest	Acreage	Date	FAA/State Proj. #	Book	Page	Doc. ID	Instrument	Purpose	Notes
A1	A	North Kansas City Development Company	Fee Simple	8.37	1/25/1929	None	263	32	38462	Warranty Deed	Airport Development	Includes A-1 & A-2
					2/4/1943		371	336	87435	Correction Deed		
A2	A	North Kansas City Development Company	Fee Simple	578.82	1/25/1929	None	263	32	38462	Warranty Deed	Airport Development	Includes A-1 & A-2
					2/4/1943		371	336	87435	Correction Deed		
		The Kansas City Ferry Company	Fee Simple		1/26/1929	None	263	31	N/A	Corporation Quit-Claim Deed	Airport Development	

Transferred/Released Property

Parcel ID Current	Parcel ID Previous	Grantee	Interest	Acreage	Date	Book	Page	Doc. ID	Instrument	Remarks
R-A2-1	N/A	Missouri Highway & Transportation Comission	Permanent Easement	1.381	7/14/1994	3258	917	0 32704	Easement For Highway Construction	
R-A2-2	N/A			0.233						
R-A2-3	N/A			0.383						
R-A2-4	N/A			0.496						
R-A2-5	N/A			0.019						
R-A2-6	N/A	Missouri Highway & Transportation Comission	Aerial Easement	1.381	7/14/1994	3380	735	60659	Aerial Rights Easement	Also includes a permanent easement to keep & maintain the viaduct bent foundations under, on, and above the surface of the land, and to enter property for maintaining & repairing the viaduct structure.
R-A2-7	N/A	Missouri Highway & Transportation Comission	Fee Simple	0.168	7/14/1994	3380	744	0 32704	Quit-Claim Deed	City retained any recorded easements to the property.
R-A2-8	N/A			2.045						
R-A2-9	N/A			1.486						
R-A2-10	N/A			3.918						
R-A1-1	N/A			3.508						
R-A2-11	N/A	Missouri Highway & Transportation Comission	Permanent Easement	1.05	10/21/2021	9241	106	2021 050706	Easement For Highway Purposes	
R-A2-12	N/A			0.18						
R-A2-13	N/A			3.88						

FAA Release letters/deeds for the following parcels were not available at the time of this Exhibit "A" submission: R-A2-7, R-A2-8. R-A2-9, R-A2-10, and R-A1-1

CITY OF KANSAS CITY, MISSOURI
AVIATION DEPARTMENT

KANSAS CITY
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Design Phase: DRAFT
Design Package: AIRPORT LAYOUT PLAN DRAWINGS

Drawing Scale: Varies
Designed By: P.T.
Drawn By: D.P.
Checked By: M.D.
Approved By: M.D.
Consultant Project No.: 22MP17
Initial Issue Date: 2022

REVISIONS

NO.	DATE	DRAWN BY	DESCRIPTION	APP'D BY

Drawing Title
EXHIBIT 'A'
AIRPORT PROPERTY INVENTORY MAP

KCAD Project Title: KCAD PROJECT NAME
KCAD Project No.: 62220555
Drawing No.
Drawing 27 of 27

KANSAS CITY Aviation

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