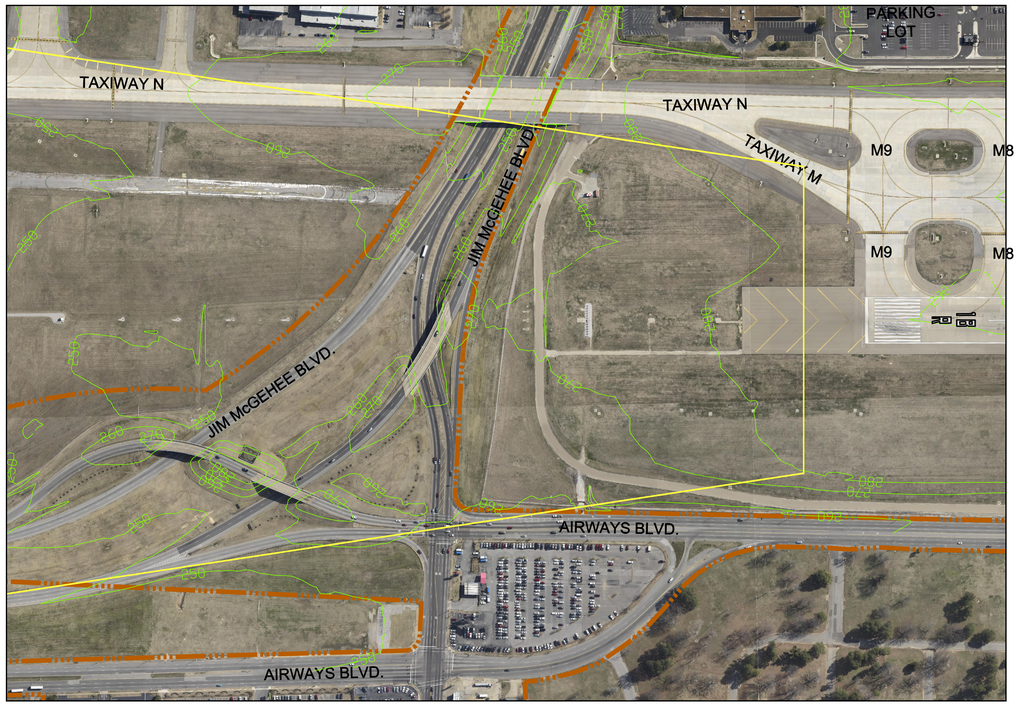
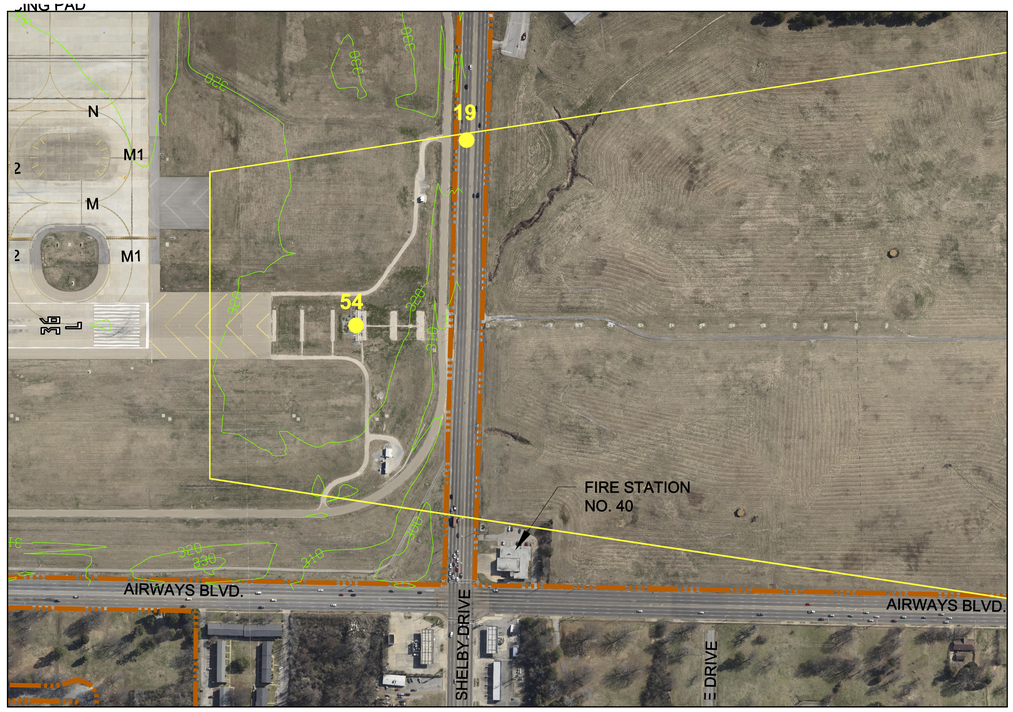



RUNWAY 18R END

| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| | | | | | | |

## PLAN VIEW

200 0 200 400

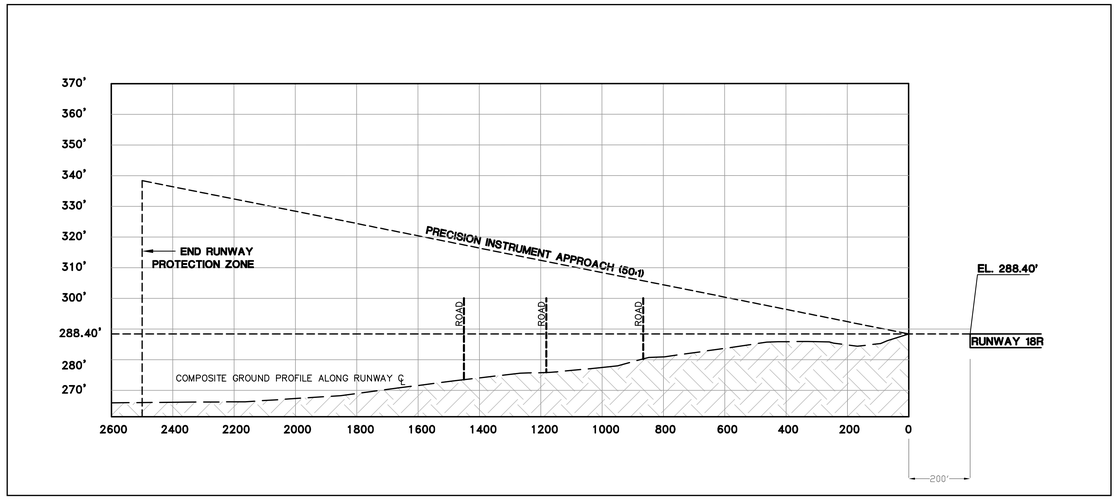
SCALE: 1"=200'

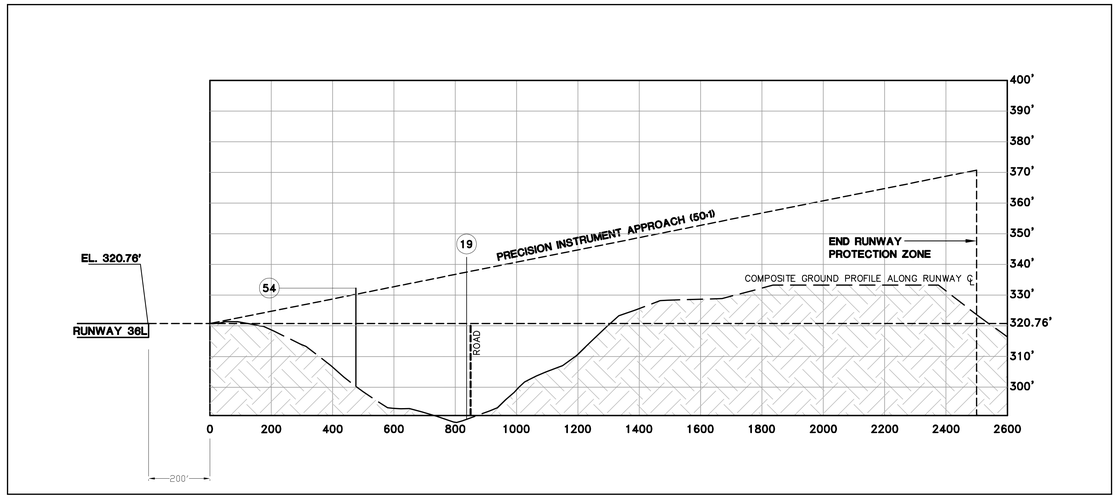
RUNWAY 36L END

| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| 54 | OBST. LIGHT ON LOCALIZER ANT. | 332 | INNER APPROACH RW 36L | 2 | NO ACTION | YES |
| 19 | 15' ROAD CLEARANCE | 342 | INNER APPROACH RW 36L | 5 | NO ACTION | NO |
| | | | | | | |

LEGEND

| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |




## PROFILE VIEW

200 0 200 400

HORIZONTAL SCALE: 1"=200'

20 0 20 40

VERTICAL SCALE: 1"=20'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
   c. OBSTACLES FIELD SURVEYED IN MAY 2000 BY THE NATIONAL OCEAN SERVICE, U.S. DEPARTMENT OF COMMERCE.
   d. OBSTACLE DATA OBTAINED FROM NATIONAL GEODETIC SURVEY'S "AERONAUTICAL SURVEY PROGRAM, AERONAUTICAL DATA FOR MEMPHIS INTERNATIONAL AIRPORT" PUBLISHED DECEMBER 5, 2000.
   e. FAA DIGITAL OBSTRUCTION FILE PUBLISHED JULY 2009
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED FAR PART 77 SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009) TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
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# INNER APPROACH PLANS AND PROFILES FOR RUNWAY 18R/36L

## MEMPHIS INTERNATIONAL AIRPORT

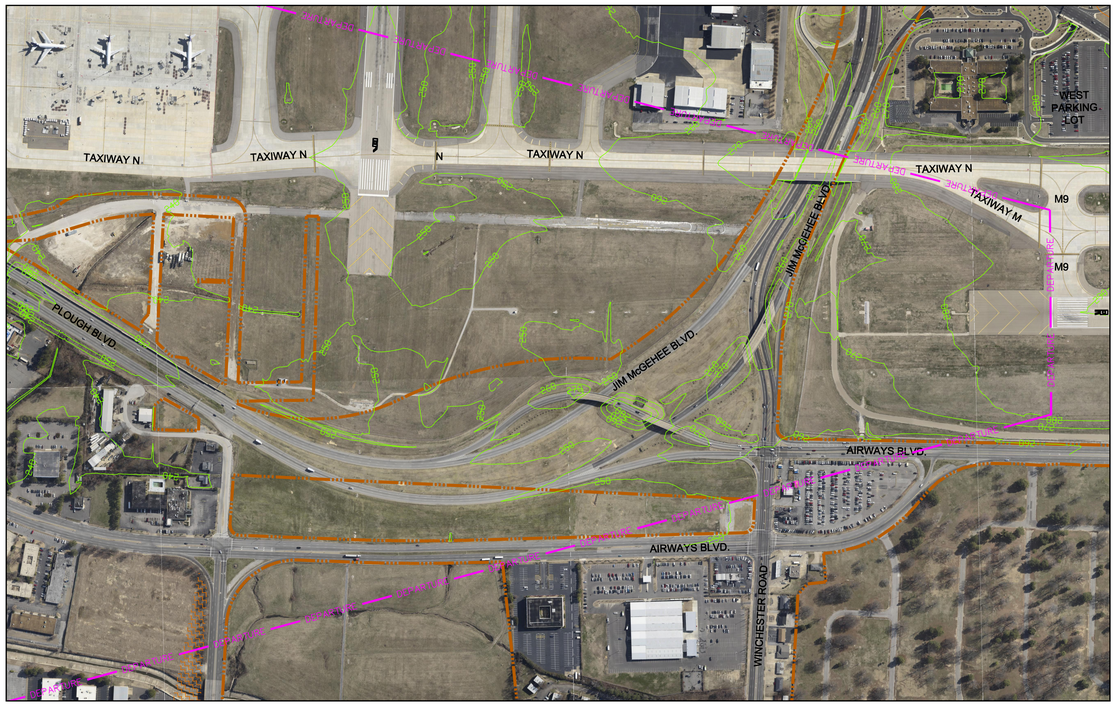
MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 13 OF 25




RUNWAY 18R END




RUNWAY 36L END

# PLAN VIEW

300 0 300 600

SCALE: 1"=300'

**OBSTRUCTION TABLE**

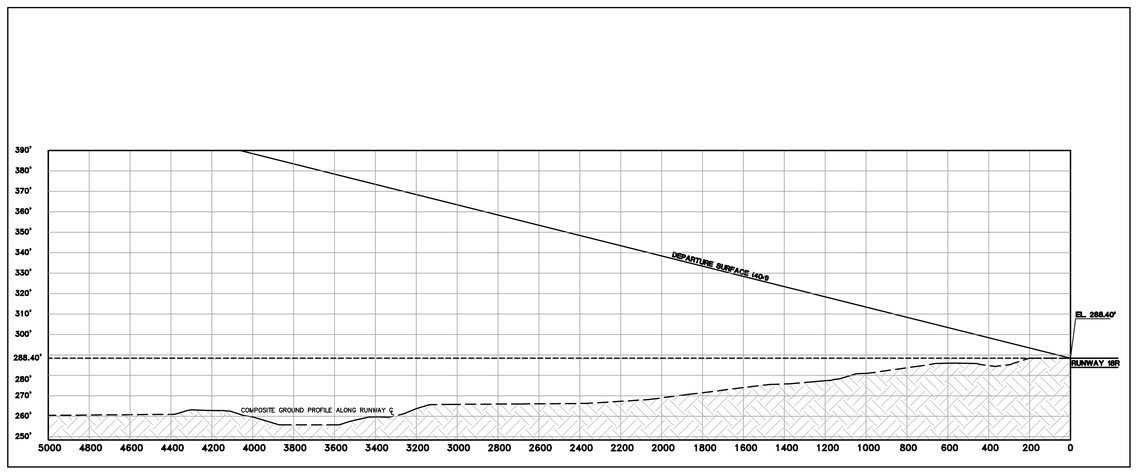
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |

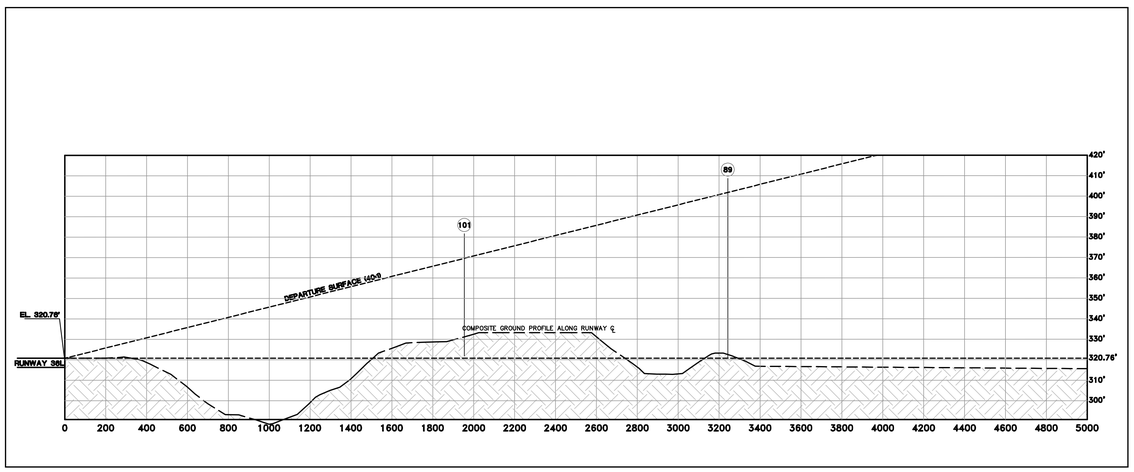
**OBSTRUCTION TABLE**

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| 89 | TREE | 409 | DEPARTURE SURFACE | 7 | TRIM | NO |
| 101 | POLE | 381 | DEPARTURE SURFACE | 11 | LIGHT OR LOWER | NO |
| | | | | | | |

**LEGEND**

| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| LAND TO BE ACQUIRED | |
| EXISTING GROUND CONTOURS | 340 |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED DEPARTURE SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009)
TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# DEPARTURE SURFACE PLANS AND PROFILES FOR RUNWAY 18R/36L

## MEMPHIS INTERNATIONAL AIRPORT

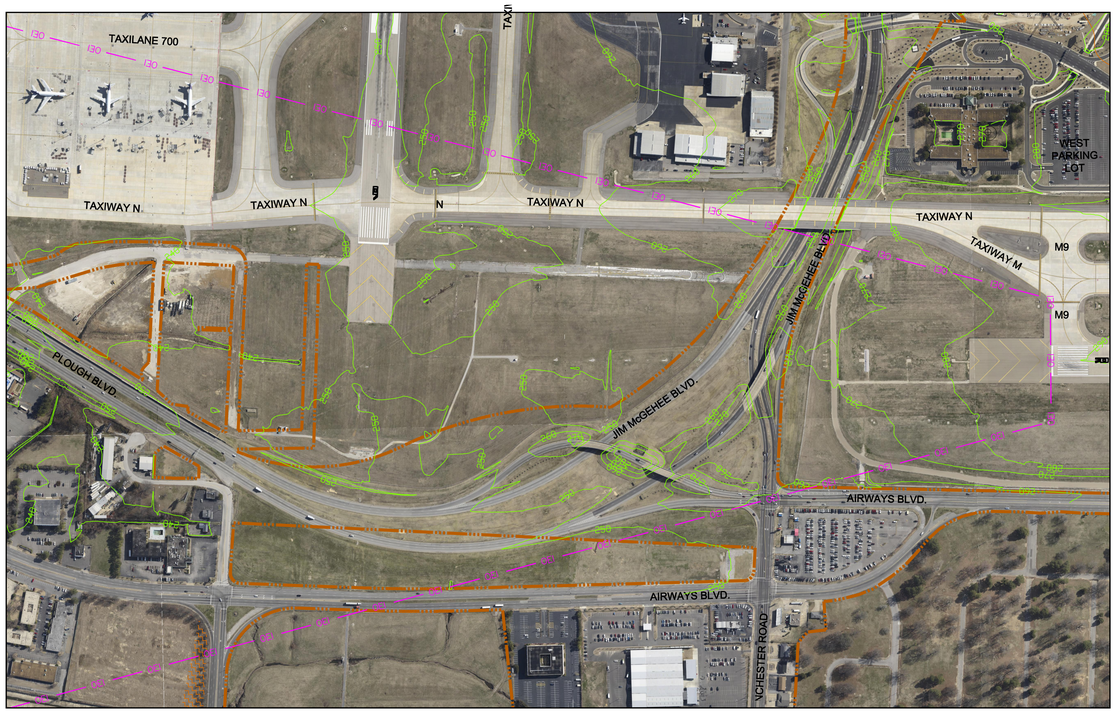
MEMPHIS, TENNESSEE

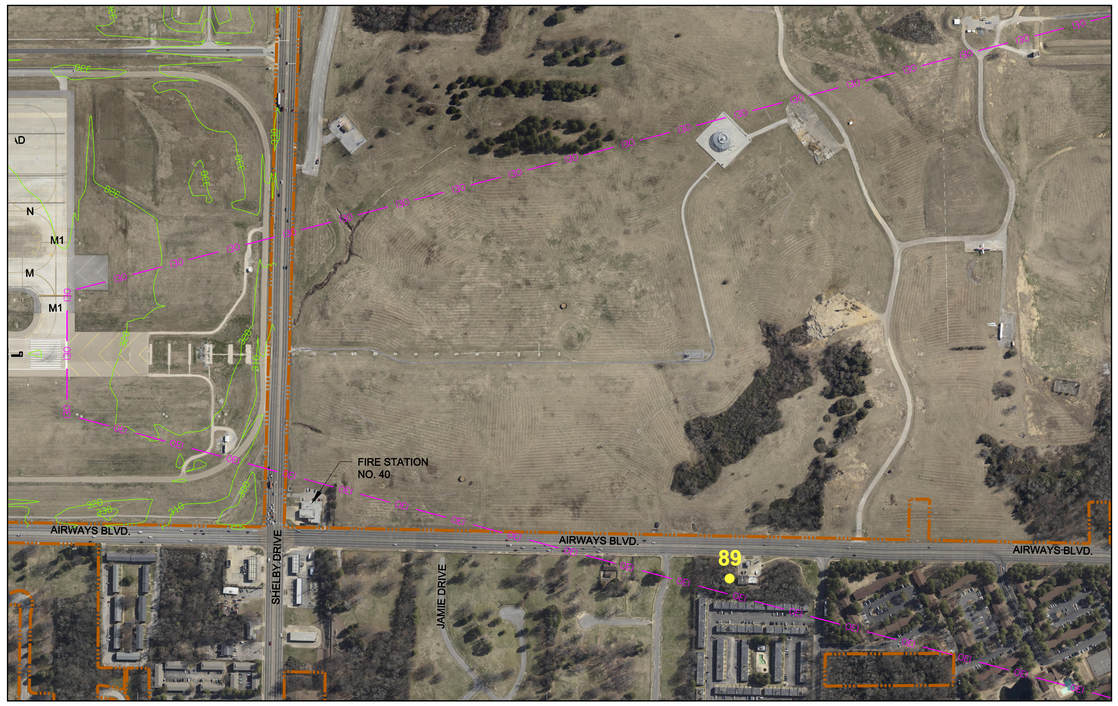
MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 14 OF 25




RUNWAY 18R END

RUNWAY 36L END

# PLAN VIEW

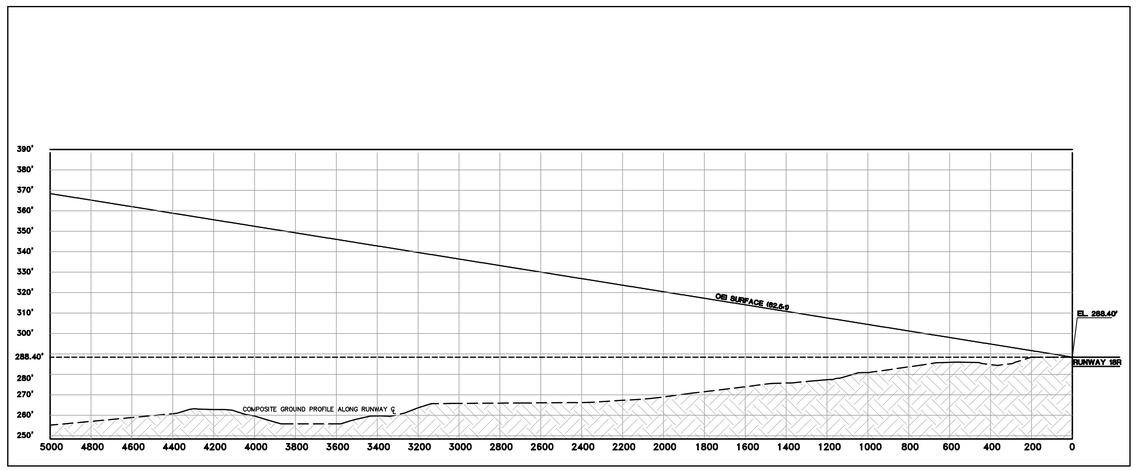
300 0 300 600

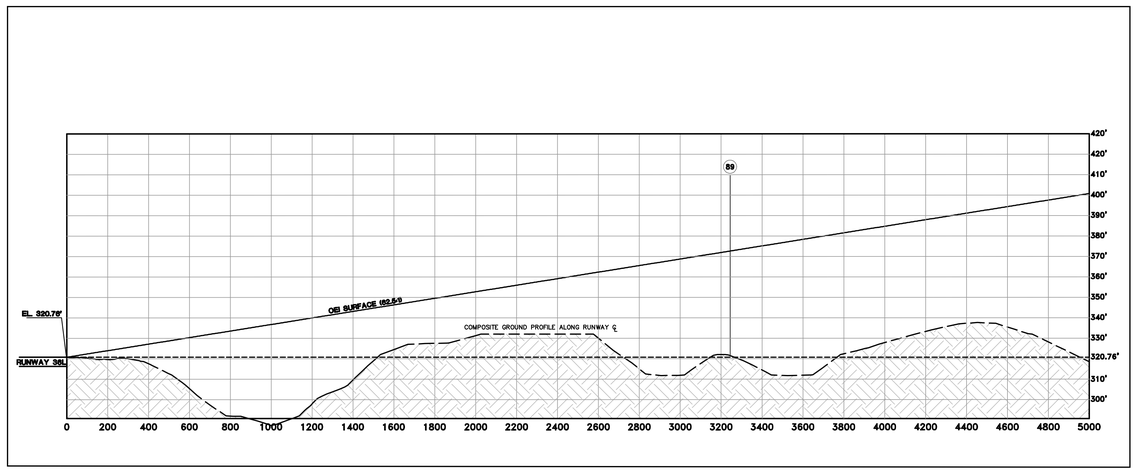
SCALE: 1"=300'

| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| | | | | | | |

| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| 89 | TREE | 409 | OEI SURFACE | 36 | TRIM | NO |

| LEGEND | |
|---|---|
| AIRPORT PROPERTY LINE | |
| LAND TO BE ACQUIRED | |
| EXISTING GROUND CONTOURS | 340 |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

MAGNETIC DECLINATION 0°30' WEST (2009)
TRUE NORTH

AIRPORT GRID IS STATE PLANE COORDINATES, NAD 83. GRID NORTH IS 1.1° EAST OF TRUE NORTH. THE SHEET BORDERS ARE PARALLEL TO THE AIRPORT GRID.

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# ONE ENGINE INOPERATIVE SURFACE PLANS AND PROFILES FOR RUNWAY 18R/36L

**MEMPHIS INTERNATIONAL AIRPORT**

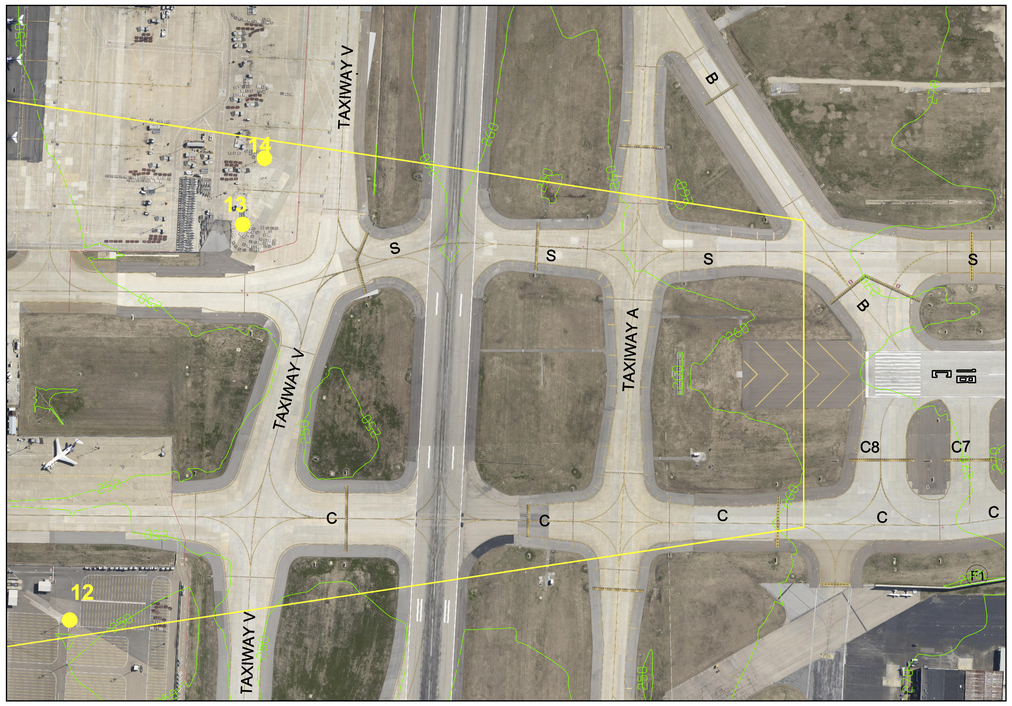
*MEMPHIS, TENNESSEE*

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

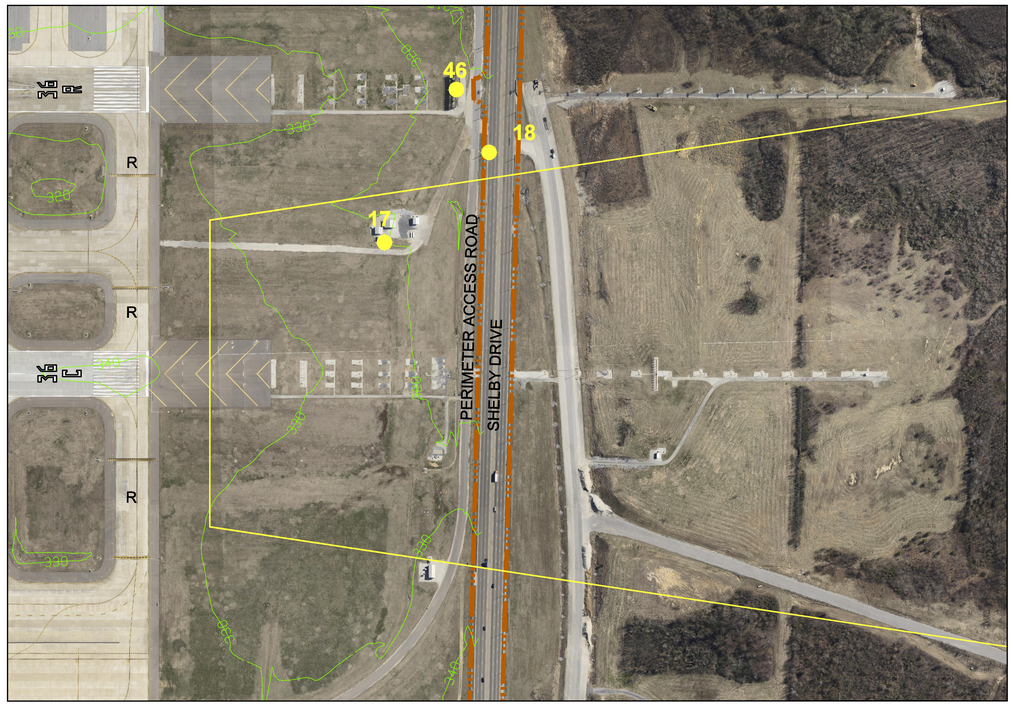
DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 15 OF 25




RUNWAY 18C END




RUNWAY 36C END

# PLAN VIEW

200 0 200 400

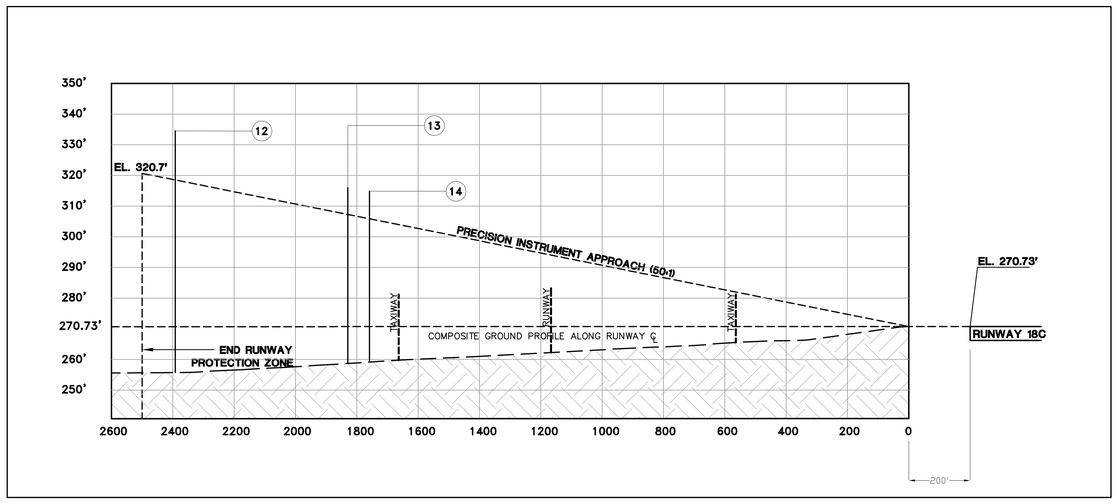
SCALE: 1"=200'

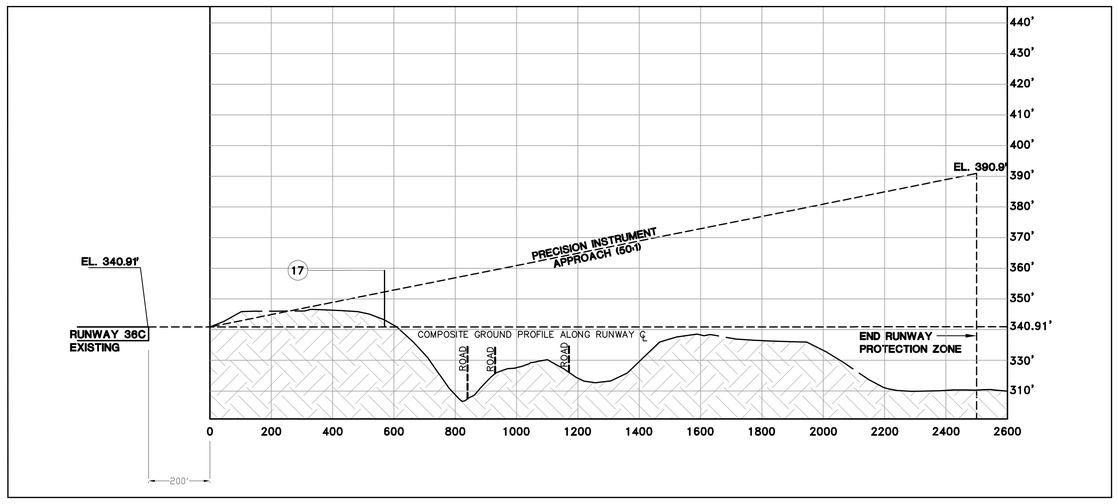
| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| 12 | OBSTRUCTION LIGHT ON LIGHT POLE | 335 | INNER APPROACH RW 18C | 17 | NO ACTION | YES |
| 13 | OBSTRUCTION LIGHT ON LIGHT POLE | 316 | INNER APPROACH RW 18C | 9 | NO ACTION | YES |
| 14 | POLE | 315 | INNER APPROACH RW 18C | 9 | NO ACTION | NO |

| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| 17 | ANTENNA | 353 | INNER APPROACH RW 36R | 7 | NO ACTION | NO |
| | | | | | | |

**LEGEND**

| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |




# PROFILE VIEW

200 0 200 400

HORIZONTAL SCALE: 1"=200'

20 0 20 40

VERTICAL SCALE: 1"=20'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
   c. OBSTACLES FIELD SURVEYED IN MAY 2000 BY THE NATIONAL OCEAN SERVICE, U.S. DEPARTMENT OF COMMERCE.
   d. OBSTACLE DATA OBTAINED FROM NATIONAL GEODETIC SURVEY'S "AERONAUTICAL SURVEY PROGRAM, AERONAUTICAL DATA FOR MEMPHIS INTERNATIONAL AIRPORT" PUBLISHED DECEMBER 5, 2000.
   e. FAA DIGITAL OBSTRUCTION FILE PUBLISHED JULY 2009
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED FAR PART 77 SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009)
TRUE NORTH

**AIRPORT GRID IS STATE PLANE COORDINATES, NAD 83. GRID NORTH IS 1.1° EAST OF TRUE NORTH. THE SHEET BORDERS ARE PARALLEL TO THE AIRPORT GRID.**

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# INNER APPROACH PLANS AND PROFILES FOR RUNWAY 18C/36C

## MEMPHIS INTERNATIONAL AIRPORT

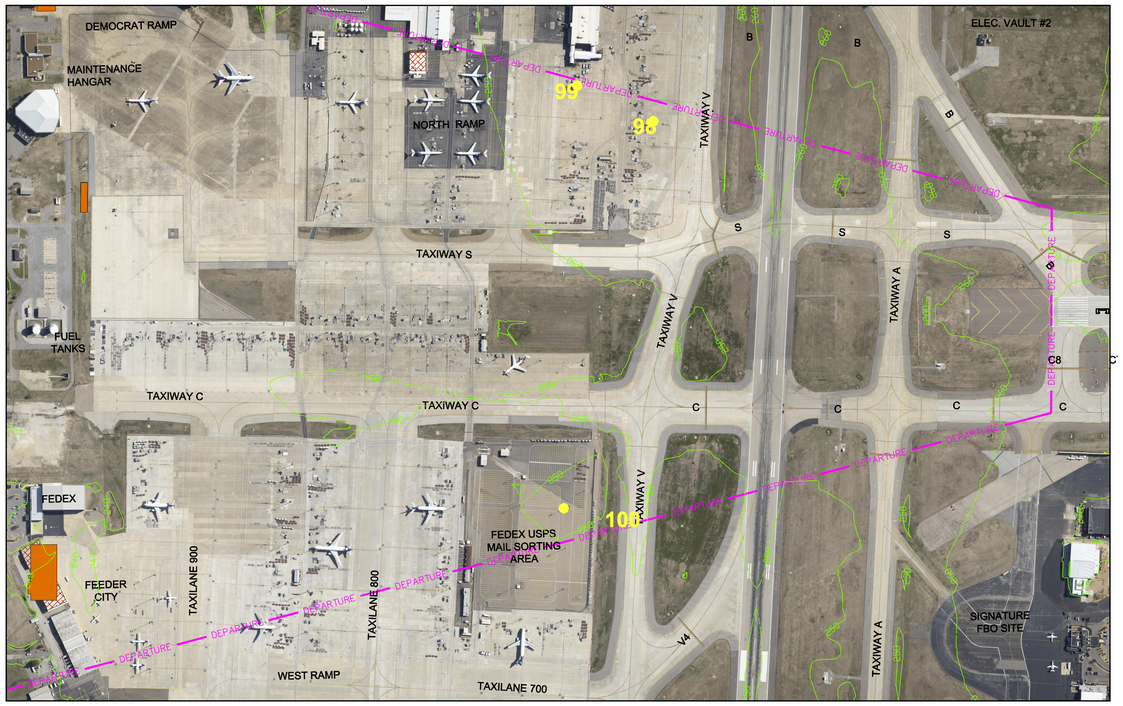
MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

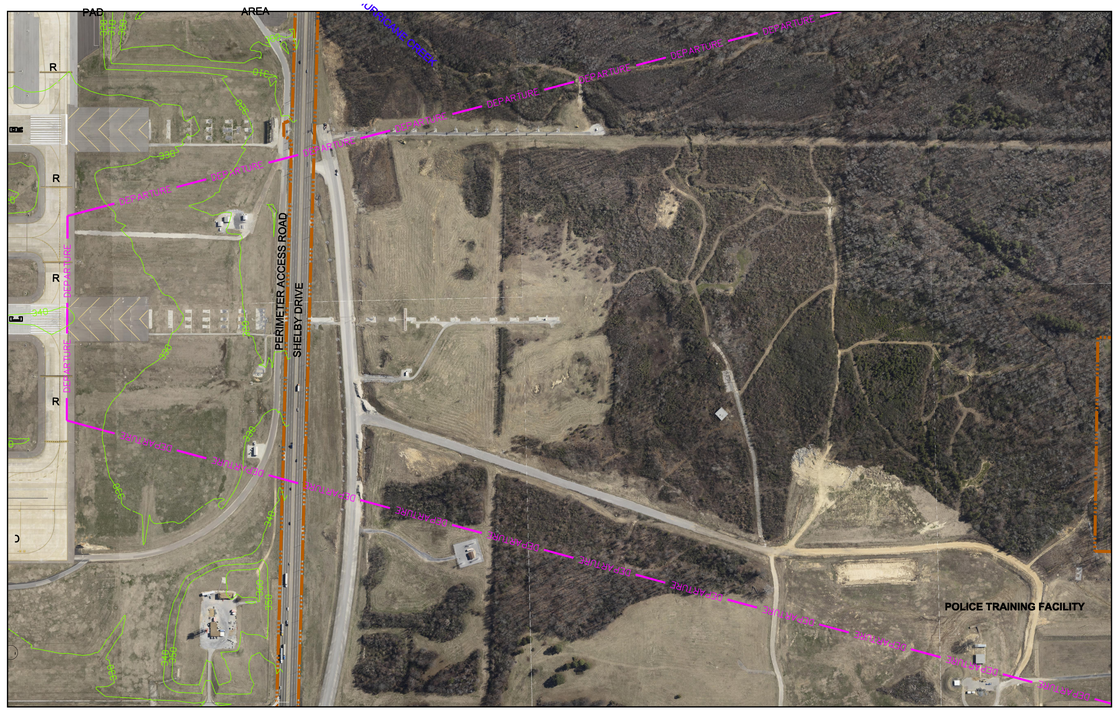
DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 16 OF 25




RUNWAY 18C END




RUNWAY 36C END

# PLAN VIEW

300 0 300 600

SCALE: 1"=300'

**OBSTRUCTION TABLE**

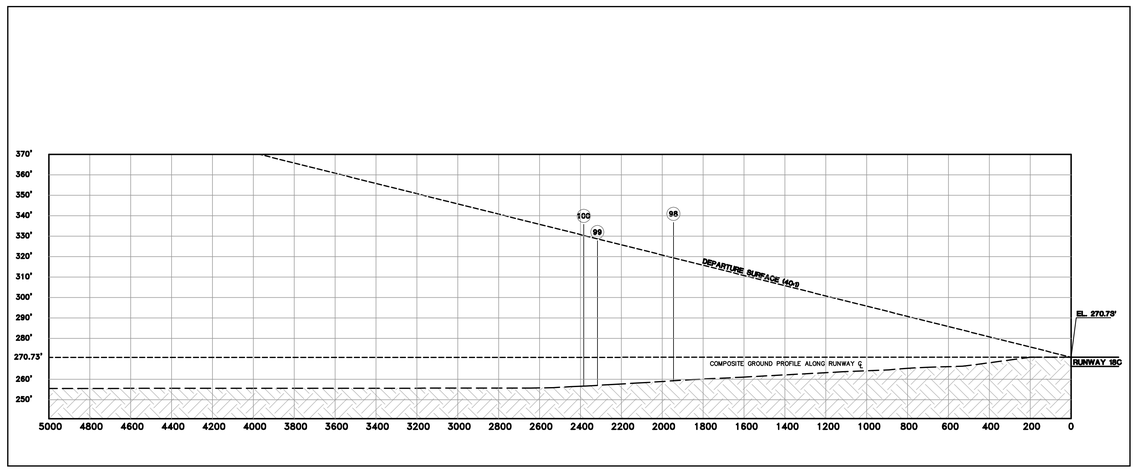
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| 100 | POLE | 336 | DEPARTURE SURFACE | 6 | LIGHT OR LOWER | NO |
| 99 | POLE | 338 | DEPARTURE SURFACE | 9 | LIGHT OR LOWER | NO |
| 98 | POLE | 337 | DEPARTURE SURFACE | 18 | LIGHT OR LOWER | NO |

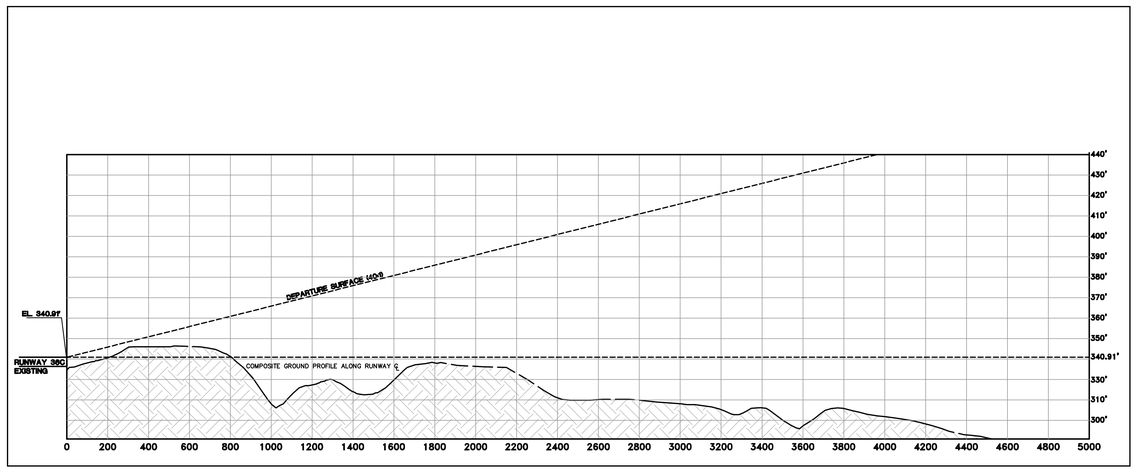
**OBSTRUCTION TABLE**

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

**LEGEND**

| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED DEPARTURE SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009) TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# DEPARTURE SURFACE PLANS AND PROFILES FOR RUNWAY 18C/36C

## MEMPHIS INTERNATIONAL AIRPORT

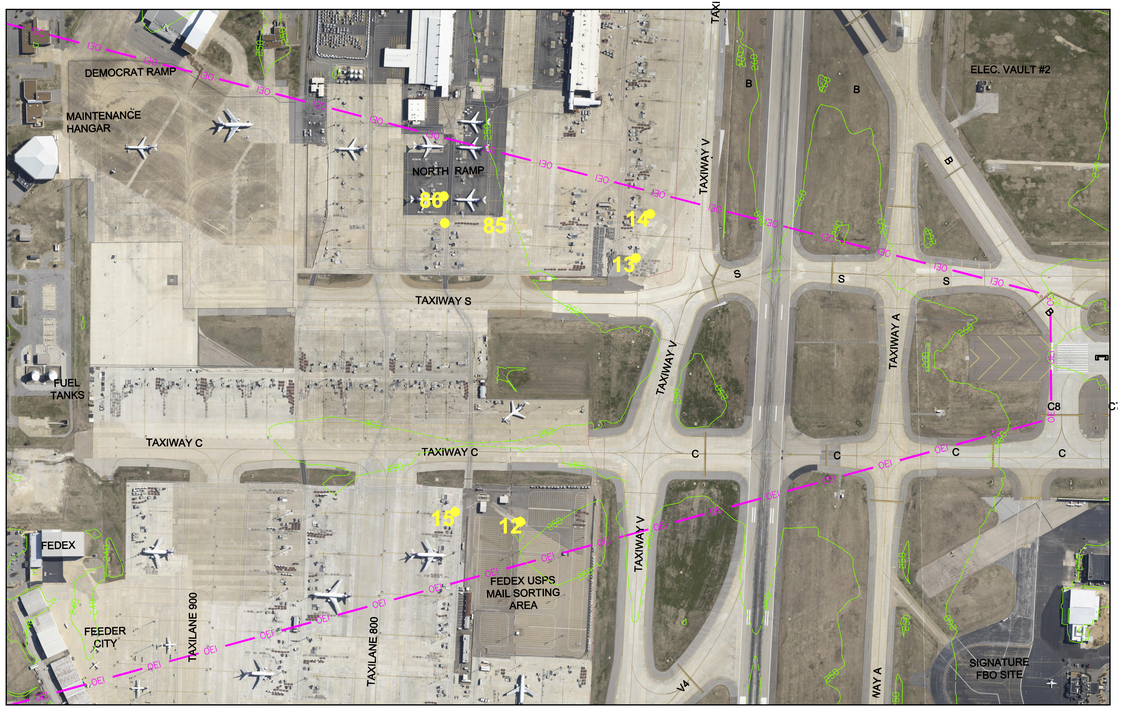
*MEMPHIS, TENNESSEE*

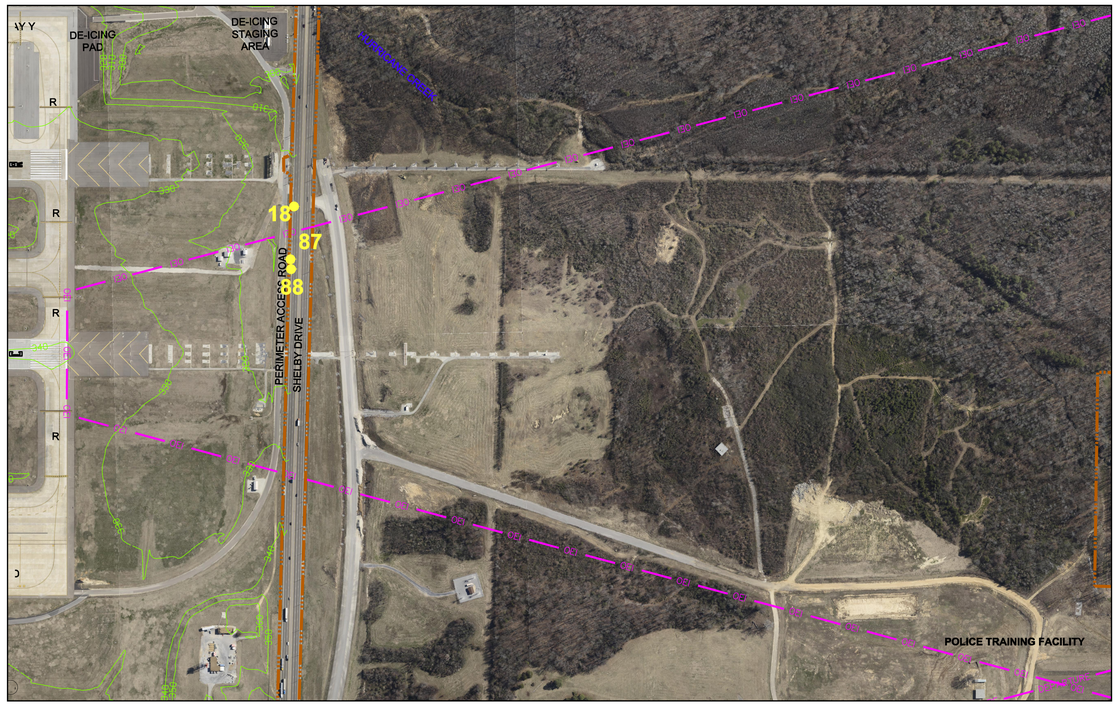
MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 17 OF 25




RUNWAY 18C END

RUNWAY 36C END

# PLAN VIEW

300 0 300 600

SCALE: 1"=300'

LEGEND

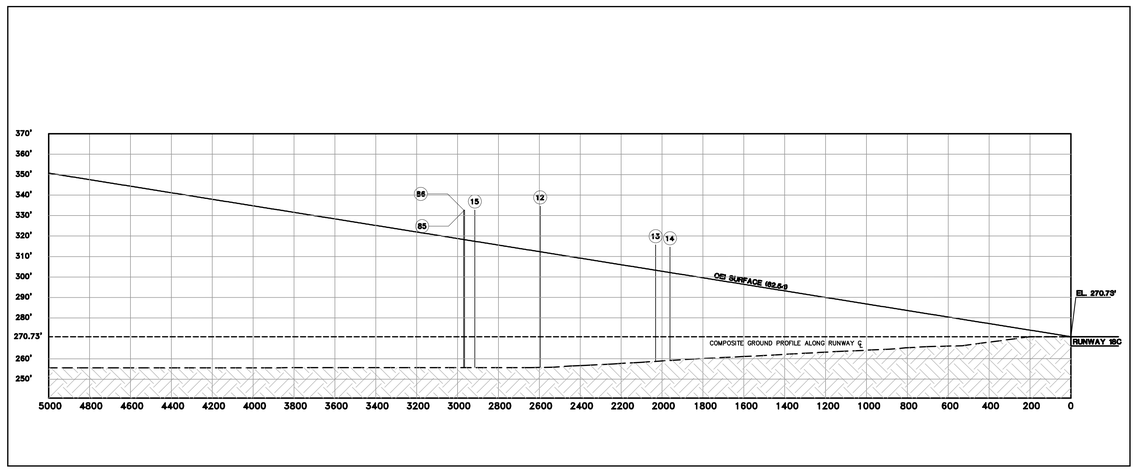
| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |

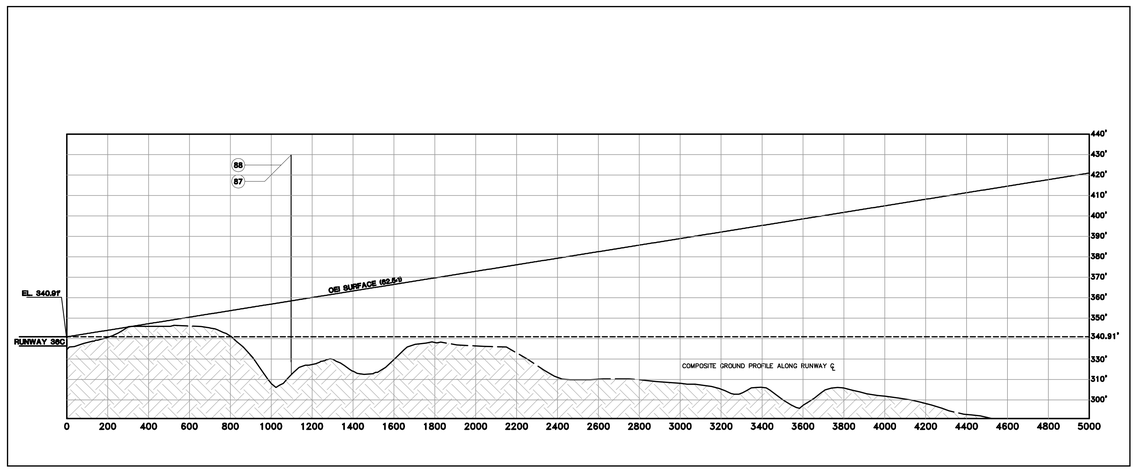
OBSTRUCTION TABLE

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| 12 | POLE | 335 | OEI SURFACE | 23 | LIGHT OR LOWER | NO |
| 13 | POLE | 316 | OEI SURFACE | 13 | LIGHT OR LOWER | NO |
| 14 | POLE | 315 | OEI SURFACE | 13 | LIGHT OR LOWER | NO |
| 15 | POLE | 333 | OEI SURFACE | 16 | LIGHT OR LOWER | NO |
| 85 | POLE | 333 | OEI SURFACE | 15 | LIGHT OR LOWER | NO |
| 86 | POLE | 333 | OEI SURFACE | 15 | LIGHT OR LOWER | NO |

OBSTRUCTION TABLE

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| 87 | POLE | 352 | OEI SURFACE | 1 | LIGHT OR LOWER | NO |
| 88 | POLE | 352 | OEI SURFACE | 1 | LIGHT OR LOWER | NO |
| | | | | | | |
| | | | | | | |
| | | | | | | |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

MAGNETIC DECLINATION 0°30' WEST (2009) TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# ONE ENGINGE INOPERATIVE SURFACE PLANS AND PROFILES FOR RUNWAY 18C/36C

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB

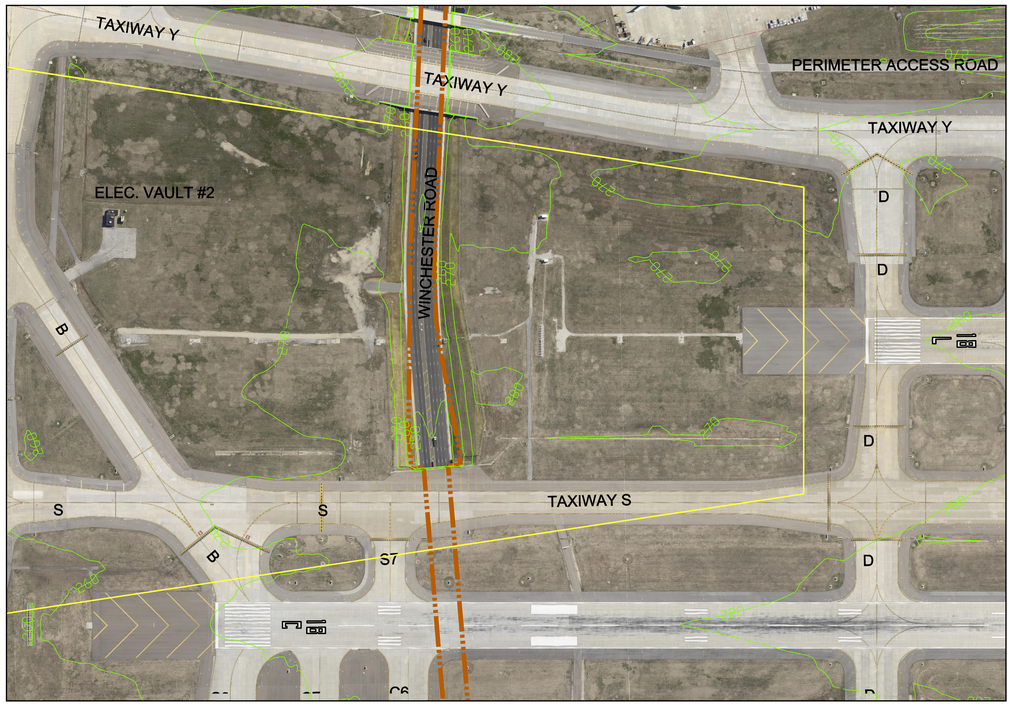
DRAWN: ZJB CHECKED: HHM

PROJECT MANAGER: RLH

PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 18 OF 25







RUNWAY 18L END

RUNWAY 36R END

# PLAN VIEW

200 0 200 400

SCALE: 1"=200'

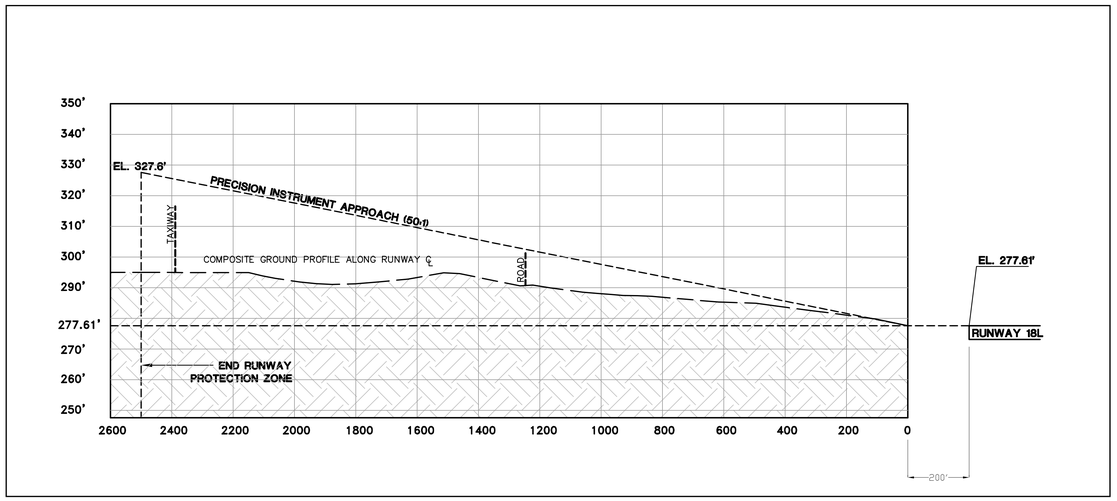
| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| | | | | | | |
| | | | | | | |

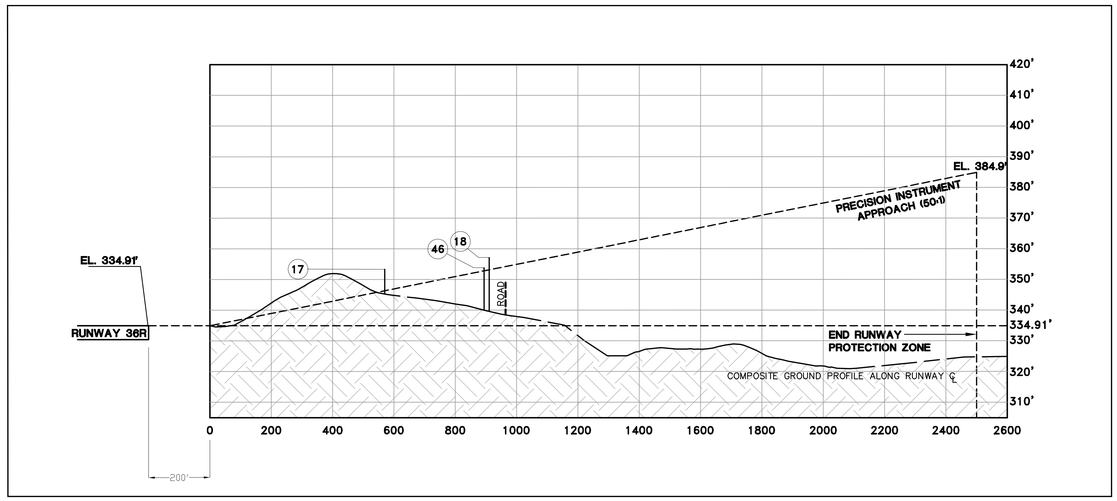
| OBSTRUCTION TABLE | | | | | | |
|---|---|---|---|---|---|---|
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED FAR PART 77 SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
| 17 | AIRPORT ANTENNA | 353 | INNER APPROACH RW 36R | 7 | NO ACTION | NO |
| 18 | POLE | 357 | INNER APPROACH RW 36R | 4 | LIGHT | NO |
| 46 | POLE | 354 | INNER APPROACH RW 36R | 1 | LIGHT | NO |
| | | | | | | |

LEGEND

AIRPORT PROPERTY LINE

EXISTING GROUND CONTOURS 340




# PROFILE VIEW

200 0 200 400

HORIZONTAL SCALE: 1"=200'

20 0 20 40

VERTICAL SCALE: 1"=20'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
   c. OBSTACLES FIELD SURVEYED IN MAY 2000 BY THE NATIONAL OCEAN SERVICE, U.S. DEPARTMENT OF COMMERCE.
   d. OBSTACLE DATA OBTAINED FROM NATIONAL GEODETIC SURVEY'S "AERONAUTICAL SURVEY PROGRAM, AERONAUTICAL DATA FOR MEMPHIS INTERNATIONAL AIRPORT" PUBLISHED DECEMBER 5, 2000.
   e. FAA DIGITAL OBSTRUCTION FILE PUBLISHED JULY 2009
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED FAR PART 77 SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009) TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |

# INNER APPROACH PLANS AND PROFILES FOR RUNWAY 18L/36R

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB

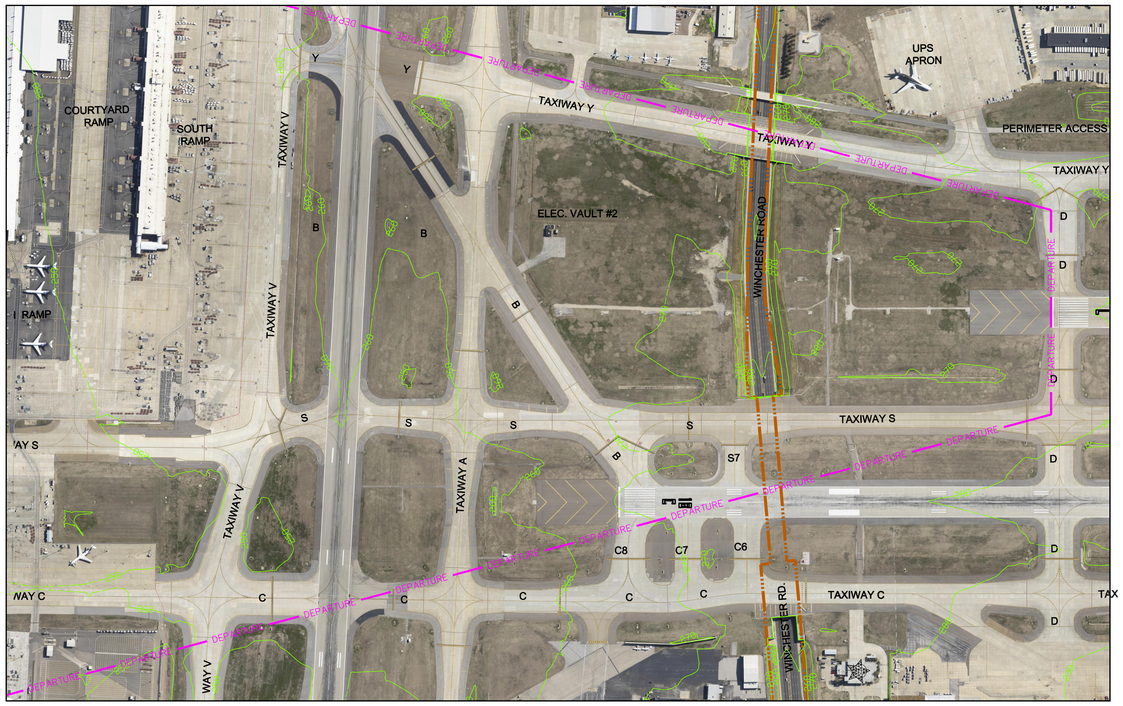
DRAWN: ZJB CHECKED: HHM

PROJECT MANAGER: RLH

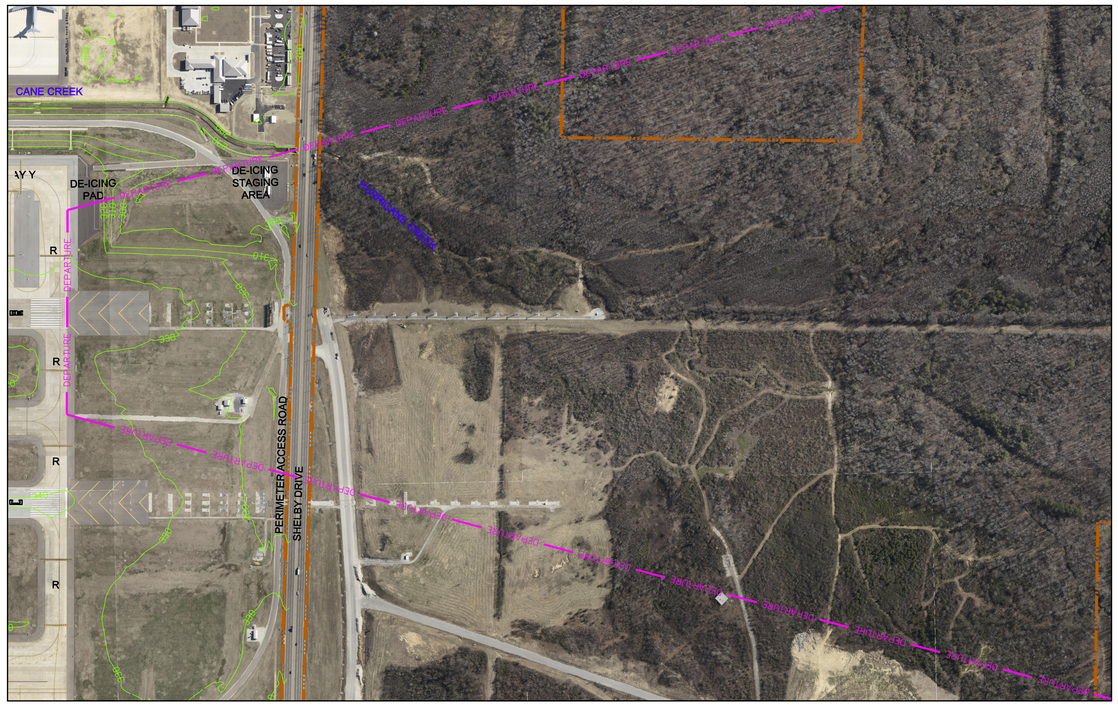
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 19 OF 25




RUNWAY 18L END




RUNWAY 36R END

# PLAN VIEW

300 0 300 600

SCALE: 1"=300'

**OBSTRUCTION TABLE**

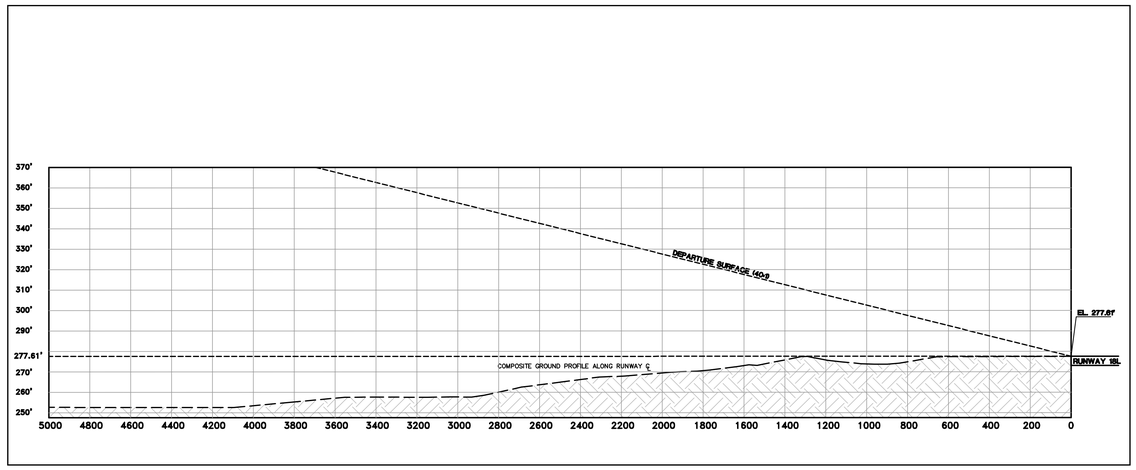
| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

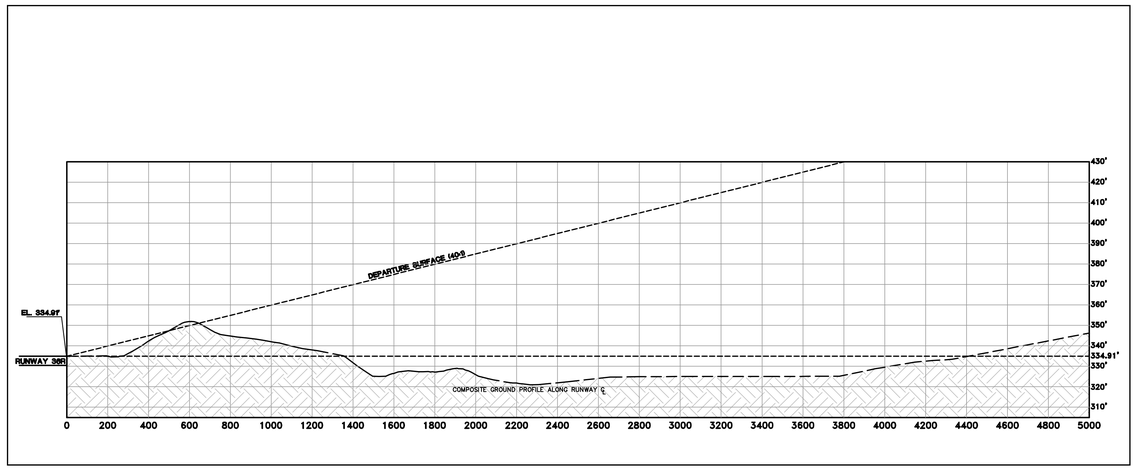
**OBSTRUCTION TABLE**

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

**LEGEND**

| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

NOTES:

1. ALL OBSTACLE ELEVATIONS SHOWN IN FEET ABOVE MEAN SEA LEVEL.
2. SOURCES:
   a. PHOTOSLOPE SURVEY PUBLISHED SEPTEMBER 2008
   b. GEOGRAPHICAL INFORMATION TAKEN FROM UNITED STATES GEOLOGICAL SURVEY QUAD SHEETS.
3. OBJECTS HAVING MSL ELEVATION HEIGHTS BELOW ASSOCIATED DEPARTURE SURFACES OR THAT HAVE BEEN REMOVED ARE NOT DEPICTED.
4. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988

MAGNETIC DECLINATION 0°30' WEST (2009)
TRUE NORTH

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# DEPARTURE SURFACE PLANS AND PROFILES FOR RUNWAY 18L/36R

## MEMPHIS INTERNATIONAL AIRPORT

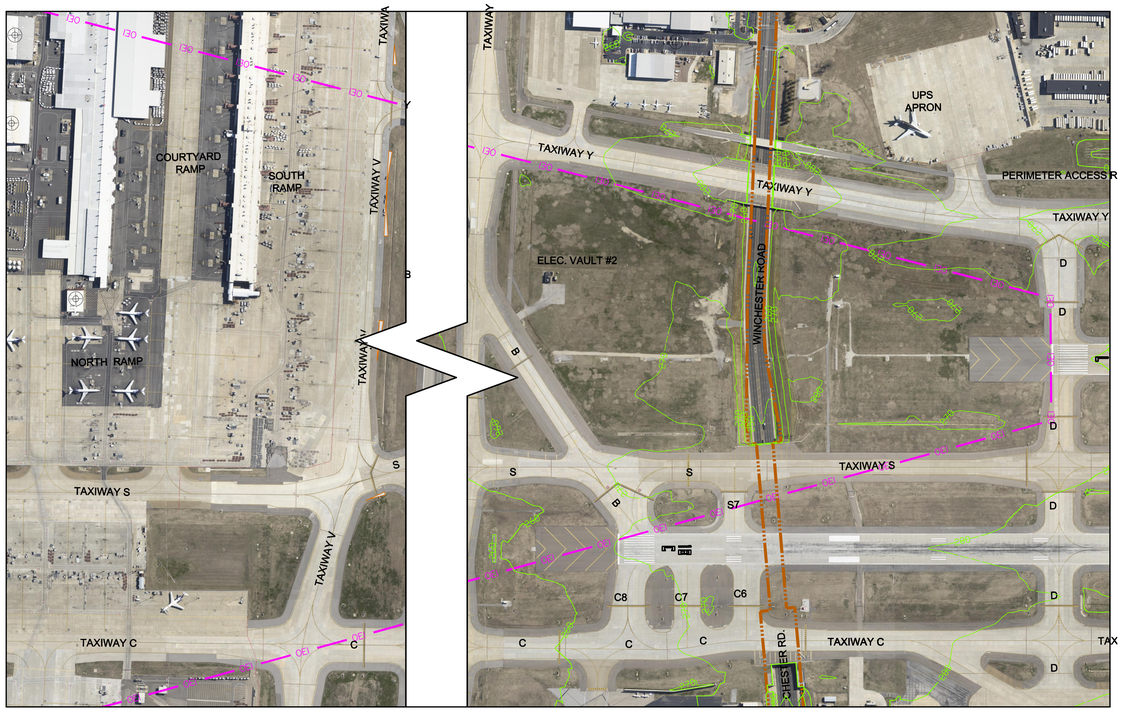
MEMPHIS, TENNESSEE

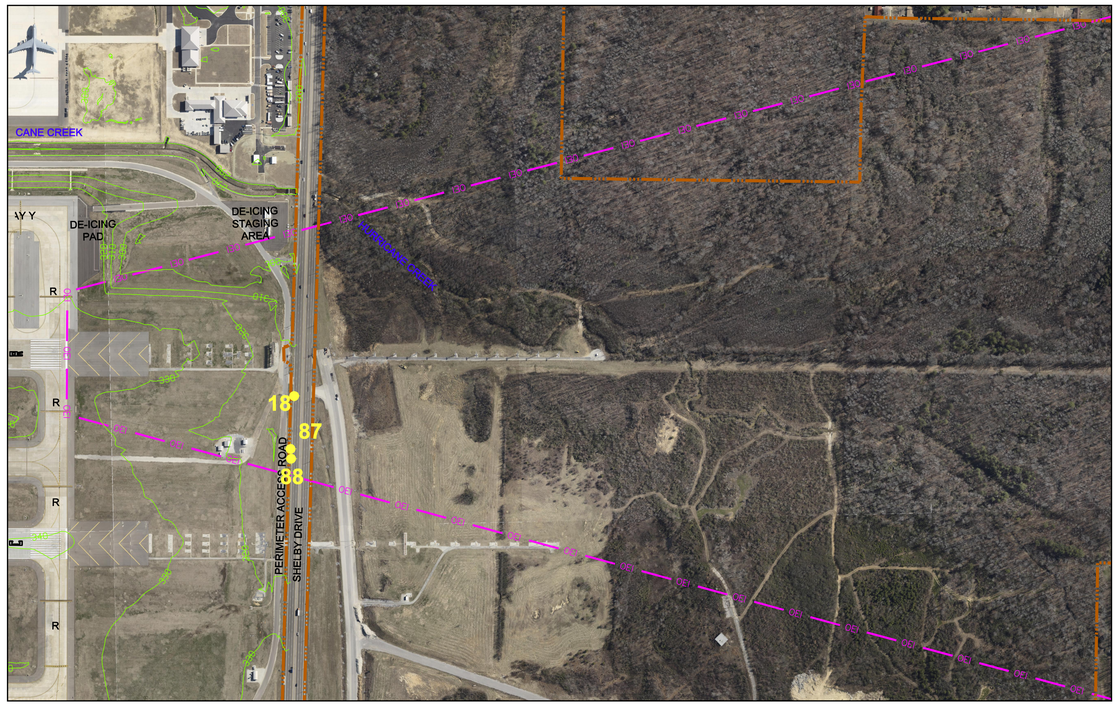
MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 20 OF 25




RUNWAY 18L END

RUNWAY 36R END

# PLAN VIEW

300 0 300 600

SCALE: 1"=300'

**LEGEND**

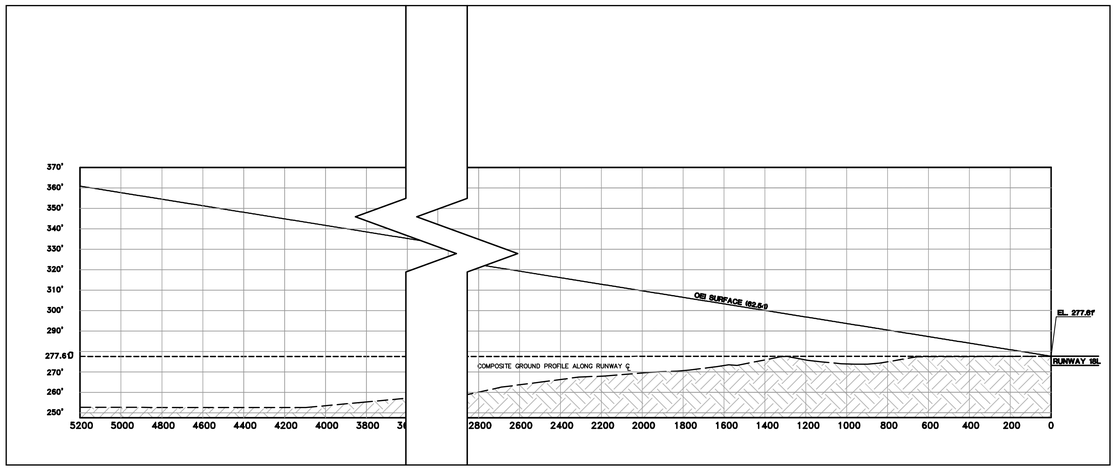
| | |
|---|---|
| AIRPORT PROPERTY LINE | |
| EXISTING GROUND CONTOURS | 340 |

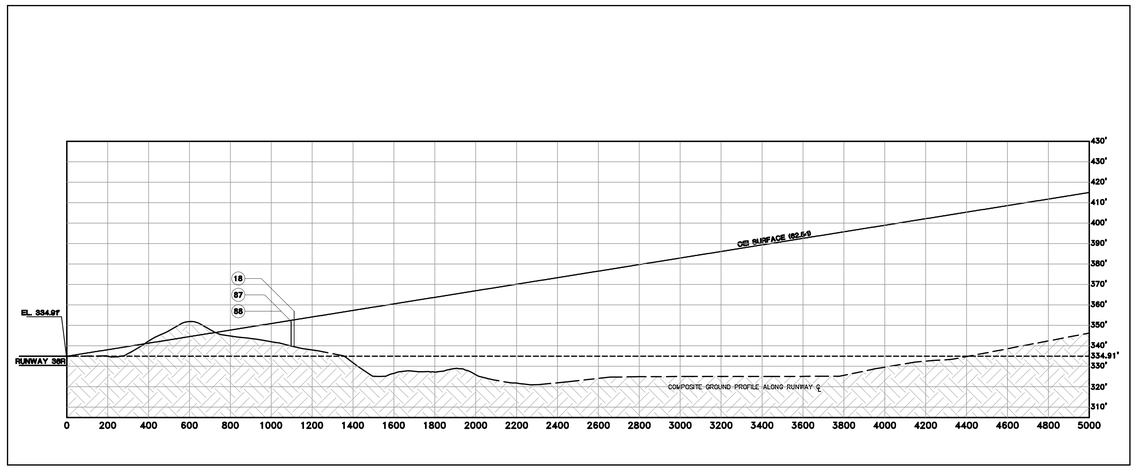
OBSTRUCTION TABLE

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

OBSTRUCTION TABLE

| NO. | DESCRIPTION | OBSTACLE ELEVATION (MSL) | LOWEST AFFECTED SURFACE | PENETRATION | RECOMMENDED ACTION | LIGHTED |
|---|---|---|---|---|---|---|
| 87 | POLE | 352 | OEI SURFACE | 1 | LIGHT OR LOWER | NO |
| 88 | POLE | 352 | OEI SURFACE | 1 | LIGHT OR LOWER | NO |
| 18 | POLE | 357 | OEI SURFACE | 5 | LIGHT OR LOWER | NO |
| | | | | | | |




# PROFILE VIEW

300 0 300 600

HORIZONTAL SCALE: 1"=300'

30 0 30 60

VERTICAL SCALE: 1"=30'

MAGNETIC DECLINATION
0°30' WEST (2009)
TRUE NORTH

| NO. | DATE | BY | REVISIONS |
|---|---|---|---|
| | | | |

| NO. | DATE | BY | REVISIONS |
|---|---|---|---|
| | | | |

# ONE ENGINE INOPERATIVE SURFACE PLANS AND PROFILES FOR RUNWAY 18L/36R

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: ZJB
DRAWN: ZJB CHECKED: HHM
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

# NAVAID DRAWING

# MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

COUNTY AIRPORT AUTHORITY
MEMPHIS - SHELBY

DESIGNED: HHM
DRAWN: HHM
CHECKED: WER
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB
DATE: JULY 2010
SHEET 22 OF 25

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

**LEGEND**

| ITEM | EXISTING | FUTURE |
|---|---|---|
| AIRPORT PROPERTY LINE | | |
| AIRFIELD PAVEMENT | | |
| AIRFIELD PAVEMENT TO BE REMOVED | | |
| LAND TO BE ACQUIRED | | |
| BUILDINGS | | |
| BUILDINGS TO BE REMOVED | | |
| ROADS | | |
| SECURITY FENCE | | |
| STREAMS / CREEK | | |
| TAXIWAY CENTERLINE | | |
| TAXIWAY EDGE / SHOULDER | | |
| VEHICLE SERVICE ROAD | | |
| PAPI | | |
| AIRPORT REFERENCE POINT | | |
| AIRPORT BEACON | | |
| ASDE REMOTE UNIT | | |
| GLIDE SLOPE | | |
| WIND CONE | | |
| LIGHTED WIND CONE | | |
| RVR TRANSMITTER | | |
| THRESHOLD LIGHTS | | |
| LOCALIZER CRITICAL AREA | | |
| GLIDE SLOPE CRITICAL AREA | | |
| BLAST PAD | | |

MAGNETIC DECLINATION
0°00' WEST (2009)
1° WEST CHANGING
SOURCE:
NATIONAL GEOPHYSICAL DATA CENTER

MAGNETIC DECLINATION CHANGING BY 0°6' WEST/YEAR.

SCALE: 1" = 600'

600 0 600 1200

**AIRPORT DATA TABLE**

| DESCRIPTION | EXISTING |
|---|---|
| AIRPORT ELEVATION (MSL) | 341 |
| AIRPORT REFERENCE POINT | 35° 02' 32.7" LAT.<br>89° 58' 36.0" LONG. |
| MEAN MAX. DAILY TEMPERATURE (°F) | 92.3 |
| AIRPORT REFERENCE CODE | D-V-2 (B-147) |
| RUNWAY MARKINGS | NON-PCL |
| TAXIWAY MARKING | CL |
| NAVIGATIONAL AIDS | VORTAC, ASR,<br>ROTATING BEACON |

## LEGEND

**AIRPORT**

- Airport property line
- Runway Protection Zone

**NOISE CONTOURS**

- 75 DNL Noise contour
- 70 DNL Noise contour
- 65 DNL Noise contour

**ON-AIRPORT LAND USE**

| Existing | / Proposed |
|---|---|
| | Property acquisition |
| | Air cargo |
| | Airfield |
| | Aviation support |
| | Passenger terminal |
| | Commercial development |
| | FedEx |
| | General aviation |
| | Reserved for future development |
| | Military |

MAGNETIC DECLINATION
0°30' WEST (2009)
TRUE NORTH

MAGNETIC DECLINATION CHANGING BY 0'6" WEST/YEAR.
SOURCE:
NATIONAL GEOPHYSICAL DATA CENTER

1,000' 0 1,000' 2,000'
SCALE: 1" = 1,000'

NOTES:

1. COORDINATES SHOWN ARE NORTH AMERICAN DATUM OF 1983, TN STATE PLANE, FT.
2. PROPERTY LINES ARE APPROXIMATE ONLY AND WERE DERIVED FROM SHELBY COUNTY GIS DATA AND A 2009 NOISE AND LAND REUSE STUDY BY URS CORP.
3. NOISE CONTOURS AND OFF-AIRPORT LAND USE FROM 2009 NOISE AND LAND REUSE STUDY BY URS CORP.

| AIRPORT DATA TABLE | |
|---|---|
| DESCRIPTION | EXISTING |
| AIRPORT ELEVATION (MSL) | 341 |
| AIRPORT REFERENCE POINT | 35° 02' 32.7" LAT.<br>89° 58' 35.0" LONG. |
| MEAN MAX. DAILY TEMPERATURE (°F) | 92.3 |
| AIRPORT REFERENCE CODE | D-V (B-747) |
| TAXIWAY LIGHTING | MITL/CL |
| TAXIWAY MARKING | CL |
| NAVIGATIONAL AIDS | VORTAC, ASR,<br>ROTATING BEACON |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# ON-AIRPORT LAND USE

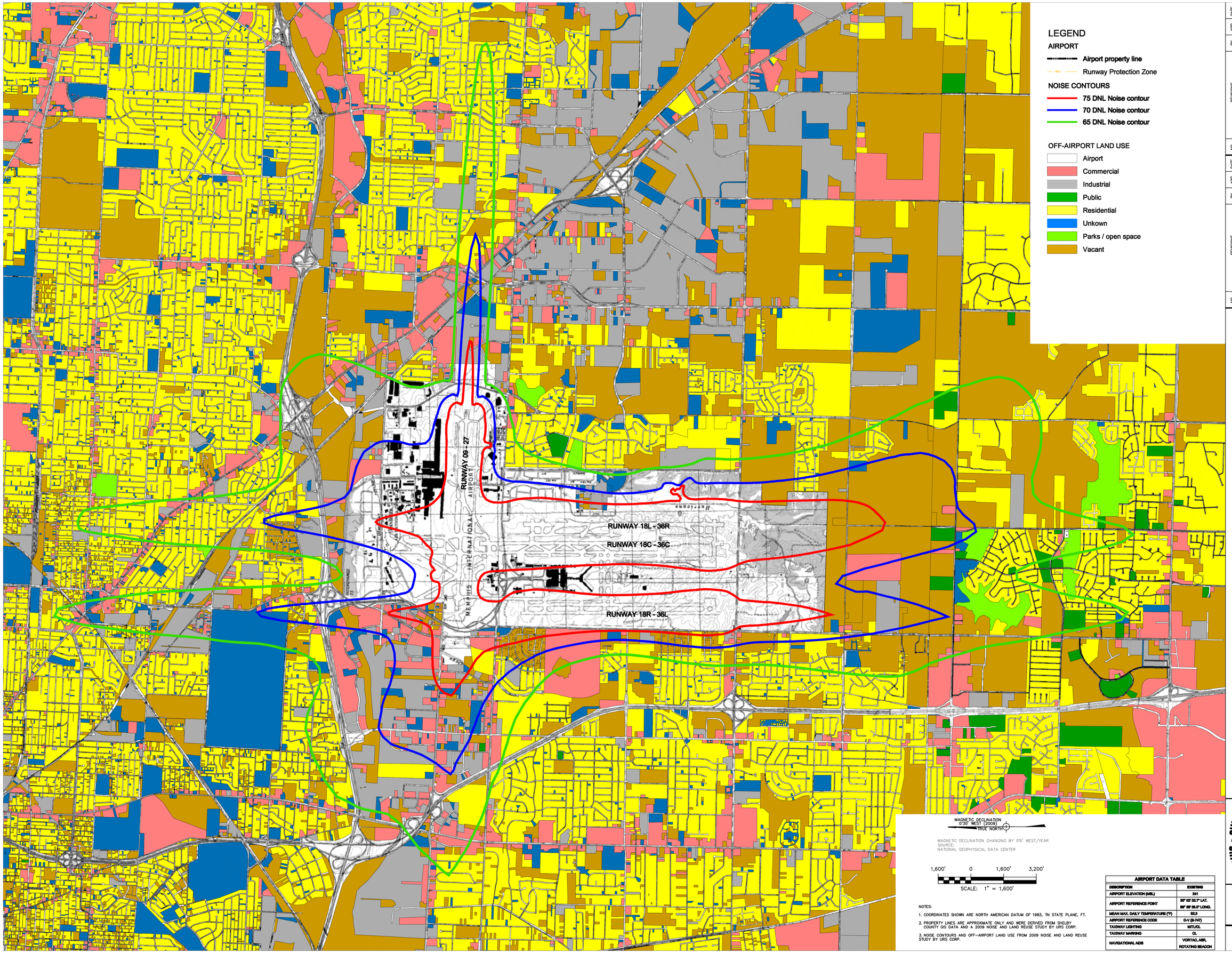
## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: HHM
DRAWN: HHM CHECKED: WER
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010
SHEET: 23 OF 25




NOTES:

1. COORDINATES SHOWN ARE NORTH AMERICAN DATUM OF 1983, TN STATE PLANE, FT.
2. PROPERTY LINES ARE APPROXIMATE ONLY AND WERE DERIVED FROM SHELBY COUNTY GIS DATA AND A 2009 NOISE AND LAND REUSE STUDY BY URS CORP.
3. NOISE CONTOURS AND OFF-AIRPORT LAND USE FROM 2009 NOISE AND LAND REUSE STUDY BY URS CORP.

**AIRPORT DATA TABLE**

| DESCRIPTION | EXISTING |
|---|---|
| AIRPORT ELEVATION (MSL) | 341 |
| AIRPORT REFERENCE POINT | 35° 02' 32.7" LAT.<br>89° 58' 35.0" LONG. |
| MEAN MAX. DAILY TEMPERATURE (°F) | 92.3 |
| AIRPORT REFERENCE CODE | D-V (B-747) |
| TAXIWAY LIGHTING | MITL/CL |
| TAXIWAY MARKING | CL |
| NAVIGATIONAL AIDS | VORTAC, ASR,<br>ROTATING BEACON |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

# OFF-AIRPORT LAND USE

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: HHM
DRAWN: HHM CHECKED: WER
PROJECT MANAGER: RLH
PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 24 OF 25

| PARCEL NUMBER | TYPE OF ACQUISITION | DATE ACQUIRED | FEDERAL AID PROJECT NO. | ACREAGE |
|---|---|---|---|---|
| 1 | FEE | 1949 | * | 58.8 |
| 2 | FEE | 1949 | * | 6.6 |
| 3 | FEE | 1970 | LOCAL FUNDS | 44.7 |
| 4 | FEE | 1949 | * | 350.5 |
| 5 | FEE | 1970 | LOCAL FUNDS | 935.9 |
| 6 | FEE | 1970 | LOCAL FUNDS | 11.5 |
| 7 | FEE | 1987-99 | LOCAL FUNDS | 5.9 |
| 8 | FEE | 1998 | LOCAL FUNDS | 15.3 |
| 9 | FEE | 1988 | LOCAL FUNDS | 2.5 |
| 10 | FEE | 1991-93 | LOCAL FUNDS | 7.4 |
| 11 | FEE | 1972 | 3-47-0049-01 | 1.9 |
| 12 | FEE | 1949 | * | 14.5 |
| 13 | FEE | 1970 | LOCAL FUNDS | 194.8 |
| 14 | FEE | 1985-1998 | MULTIPLE GRANT # | 80.6 |
| 15 | FEE | 1986-2001 | MULTIPLE GRANT # | 5.1 |
| 16 | FEE | 1986-2001 | MULTIPLE GRANT # | 5.8 |
| 17 | FEE | 1988 | 3-47-0049-12-1988 | 0.6 |
| 18 | FEE | 1975 | LOCAL FUNDS | 5.7 |
| 19 | FEE | 1957 | 9-40-018-708 | 19.8 |
| 20 | FEE | 1965 | 9-40-18-C415 | 17.6 |

*TRANSFER FROM US GOVERNMENT SURPLUS PROPERTY

| PARCEL NUMBER | TYPE OF ACQUISITION | DATE ACQUIRED | FEDERAL AID PROJECT NO. | ACREAGE |
|---|---|---|---|---|
| 21 | FEE | 1957 | 9-40-018-708 | 14.4 |
| 22 | FEE | 1957 | 9-40-018-708 | 37.3 |
| 23 | FEE | 1963 | LOCAL FUNDS | 2.8 |
| 24 | FEE | 1987-97 | LOCAL FUNDS | 4.0 |
| 25 | FEE | 1987-97 | LOCAL FUNDS | 1.6 |
| 26 | FEE | 1987-97 | LOCAL FUNDS | 1.4 |
| 27 | FEE | 1987-97 | LOCAL FUNDS | 1.6 |
| 28 | FEE | 1987-97 | LOCAL FUNDS | 0.1 |
| 29 | FEE | 1987-97 | LOCAL FUNDS | 89.2 |
| 30 | FEE | 1987-97 | LOCAL FUNDS (MSCAA) | 158.2 |
| 31 | FEE | 1970 | LOCAL FUNDS | 108.5 |
| 32 | FEE | 1959 | 9-40-018-5909 | 32.6 |
| 33 | FEE | 1970 | LOCAL FUNDS | 187.2 |
| 34 | FEE | 1959 | 9-40-018-5909 | 631.6 |
| 35 | FEE | 1971 | LOCAL FUNDS | 5.5 |
| 36 | FEE | 1971 | LOCAL FUNDS | 36.8 |
| 37 | FEE | 1971 | LOCAL FUNDS | 2.8 |
| 38 | FEE | 1971 | LOCAL FUNDS | 4.6 |
| 39 | FEE | 1979 | 3-47-0049-01 | 3.6 |
| 40 | FEE | 1971 | LOCAL FUNDS | 1.1 |

| PARCEL NUMBER | TYPE OF ACQUISITION | DATE ACQUIRED | FEDERAL AID PROJECT NO. | ACREAGE |
|---|---|---|---|---|
| 41 | FEE | 1979 | 3-47-0049-01 | 37.4 |
| 42 | FEE | 1973 | 8-47-0049-03 | 6.3 |
| 43 | FEE | 1966 | 9-40-018-C616 | 325.6 |
| 44 | FEE | 1965 | 9-40-018-C415 | 6.1 |
| 45 | FEE | 1965 | 9-40-018-C415 | 1.1 |
| 46 | FEE | 1987-99 | MULTIPLE GRANT # | 83.0 |
| 47 | FEE | 1987-99 | MULTIPLE GRANT # | 3.9 |
| 48 | FEE | 1971 | LOCAL FUNDS | 85.3 |
| 49 | FEE | 1998 | LOCAL FUNDS | 11.5 |
| 50 | FEE | 1975 | LOCAL FUNDS | 218.6 |
| 51 | FEE | 1965 | 9-40-018-C415 | 12.0 |
| 52 | FEE | 1973 | 8-47-0049-03 | 20.1 |
| 53 | FEE | 1987-99 | MULTIPLE GRANT # | 17.9 |
| 54 | FEE | 1987-99 | MULTIPLE GRANT # | 6.8 |
| 55 | FEE | 1987-99 | MULTIPLE GRANT # | 6.7 |
| 56 | FEE | 1987-99 | MULTIPLE GRANT # | 4.6 |
| 57 | FEE | 1987-99 | MULTIPLE GRANT # | 9.2 |
| 58 | FEE | 1987-99 | MULTIPLE GRANT # | 0.3 |
| 59 | FEE | 1987-99 | MULTIPLE GRANT # | 2.9 |
| 60 | FEE | 1987-99 | MULTIPLE GRANT # | 2.5 |

| PARCEL NUMBER | TYPE OF ACQUISITION | DATE ACQUIRED | FEDERAL AID PROJECT NO. | ACREAGE |
|---|---|---|---|---|
| 61 | FEE | 1987-99 | MULTIPLE GRANT # | 3.8 |
| 62 | FEE | 1987-99 | MULTIPLE GRANT # | 10.3 |
| 63 | FEE | 1996 | LOCAL FUNDS | 54.1 |
| 64 | FEE | 1965 | 9-40-018-C415 | 55.4 |
| 65 | FEE | 1965 | LOCAL FUNDS | 135.0 |
| 66 | FEE | 1999 | LOCAL FUNDS | 24.1 |
| 67 | FEE | 1993 | LOCAL FUNDS | 73.7 |
| 68 | FEE | 1998 | LOCAL FUNDS | 368.4 |
| 69 | FEE | 1997-2000 | 3-47-0049-33-1995 | 52.7 |
| 70 | FEE | 1998 | LOCAL FUNDS | 1.8 |
| 71 | FEE | 1987-99 | MULTIPLE GRANT # | 1.4 |
| 72 | FEE | 1987-99 | MULTIPLE GRANT # | 2.2 |
| 73 | FEE | 1989 | 3-47-0049-14-1990 | 2.0 |
| 74 | FEE | 1988-1995 | MULTIPLE GRANT # | 245.6 |
| 75 | FEE | 1989-1995 | MULTIPLE GRANT # | 0.2 |
| 76 | FEE | 1989-1995 | MULTIPLE GRANT # | 11.6 |
| 77 | FEE | 1988-1999 | MULTIPLE GRANT # | 55.1 |
| 78 | FEE | 1990-1993 | MULTIPLE GRANT # | 2.1 |
| 79 | FEE | 1991-1993 | MULTIPLE GRANT # | 0.6 |
| 80 | FEE | 1979-1999 | MULTIPLE GRANT # | 18.3 |

| PARCEL NUMBER | TYPE OF ACQUISITION | DATE ACQUIRED | FEDERAL AID PROJECT NO. | ACREAGE |
|---|---|---|---|---|
| 81 | FEE | 1988-1993 | MULTIPLE GRANT # | 6.1 |




MAGNETIC DECLINATION
0°30' WEST (2009)
TRUE NORTH

MAGNETIC DECLINATION CHANGING BY 0°6' WEST/YEAR.
SOURCE:
NATIONAL GEOPHYSICAL DATA CENTER

1,000' 0 1,000' 2,000'

SCALE: 1" = 1,000'

NO. | REVISIONS | BY | APP. | DATE

NO. | REVISIONS | BY | APP. | DATE

# AIRPORT PROPERTY DRAWING

## MEMPHIS INTERNATIONAL AIRPORT

MEMPHIS, TENNESSEE

MEMPHIS - SHELBY COUNTY AIRPORT AUTHORITY

DESIGNED: HHM

DRAWN: HHM CHECKED: WER

PROJECT MANAGER: RLH

PROJECT DIRECTOR: EEB

DATE: JULY 2010

SHEET: 25 OF 25