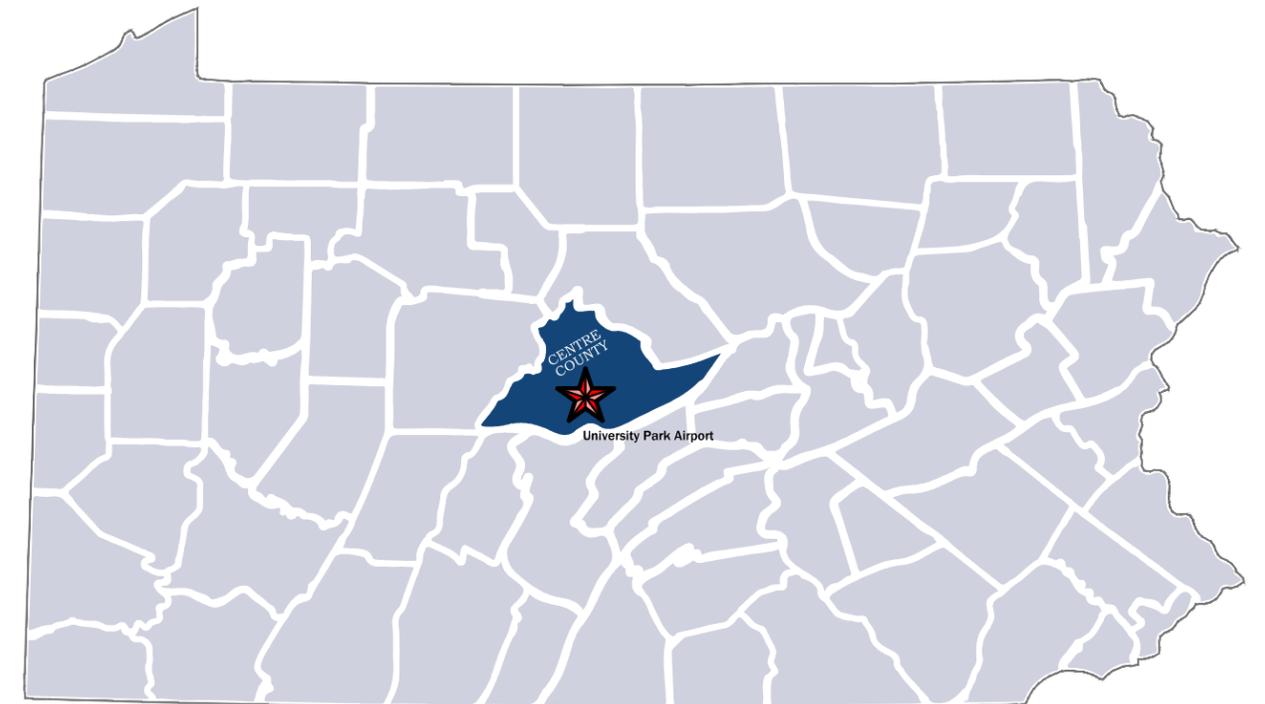
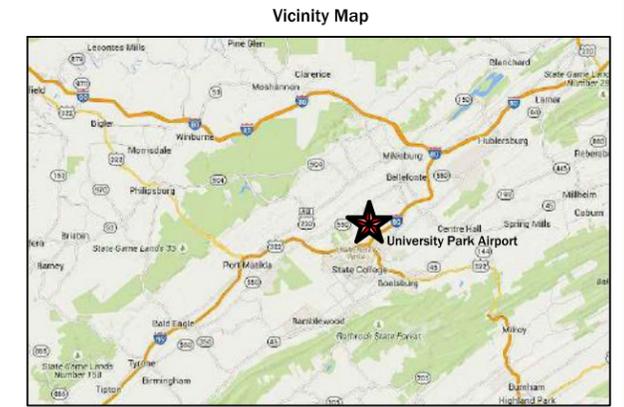


Appendix G

Airport Layout Plan

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State of Pennsylvania



University Park Airport (UNV)

State College, Pennsylvania

Airport Layout Set - April 2016

AIP # 3-42-0096-053-2012

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SPONSOR APPROVAL

UNIVERSITY PARK AIRPORT		DATE
CENTRE COUNTY AIRPORT AUTHORITY		DATE

REVISIONS

NO.	ITEM	BY	DATE

University Park Airport
State College, Pennsylvania

TITLE SHEET



LANSING
2605 Port Lansing Road
Lansing, Michigan 48906
517.321.8334

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1 of 19

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AIRPORT DATA

	EXISTING	FUTURE
AIRPORT ELEVATION (AMSL) NAVD 88	1,231.2'	SAME
AIRPORT REFERENCE POINT (ARP) NAD 83	LAT.40°51'0.04"N LON.77°50'51.30"W	LAT.40°51'04.53"N LON.77°50'43.53"W
COUNTY	CENTRE	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	85°	SAME
COMBINED WIND COVERAGE (10.5k, 13k, 16k, 20k)	94.38%/97.12%/99.16%/99.82%	SAME
MAGNETIC VARIATION (DATE)*	0°22'W (JAN 2015)	SAME
AIRPORT REFERENCE CODE	C III	D-IV
PENNSYLVANIA STATEWIDE AIRPORT SYSTEM ROLE	ADVANCED	SAME
CRITICAL AIRCRAFT	BOEING 737-900	BOEING 757-300
NPIAS SERVICE LEVEL	COMMERCIAL/PRIMARY	SAME
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING	YES	SAME
AIRPORT & TERMINAL NAVAIDS	ROT BEACON, REILS, PAPI-4, AWOS, MALS, R. SEG. CIRCLE, ILS, GPS, WINDCONE	SAME

* - SOURCE: WORLD MAGNETIC MODEL (WMM)

BUILDING LEGEND

NO.	DESCRIPTION	TOP ELEVATION	NO.	DESCRIPTION	TOP ELEVATION
1	FEDEX (AIR CARGO FACILITIES)	1259.1'	A	FUTURE CORPORATE FACILITIES	
2	AIR CARRIER TERMINAL	1278.6'	B	FUTURE T-HANGARS	
3	AIR TRAFFIC CONTROL TOWER	1320.5'	C	FUTURE FUEL FACILITY	
4	AIRCRAFT RESCUE & FIRE FIGHTING	1261.1'	D	FUTURE GA EXPANSION	
5	ELECTRICAL VAULT	1244.3'	E	FUTURE AIR CARGO FACILITY	
6	SNOW REMOVAL EQUIPMENT BUILDING	1262.0'	F	FUTURE TERMINAL	
7	PSU LINE SERVICE	1255.9'	G	FUTURE CONCOURSE	
8	GENERAL AVIATION TERMINAL	1264.3'	H	FUTURE COMMERCIAL FACILITIES	
9	PSU HANGAR	1272.4'	J	FUTURE ARFF/SRE FACILITIES	
10	SHANER HANGAR	1257.4'			
11	PSU HANGAR	1252.0'			
12	PSU HANGAR	1248.2'			
13	FUEL FARM	1229.3'			
14	DEICING EQUIPMENT STORAGE BLDG.	1247.1'			
15	HANGAR "M"	1204.0'			
16	HANGAR "N"	1203.2'			
17	HANGAR "O"	1202.1'			
18	HANGAR "P"	1201.8'			
19	HANGAR "Q"	1200.8'			
20	SELF SERVE FUEL FACILITY	1194.9'			

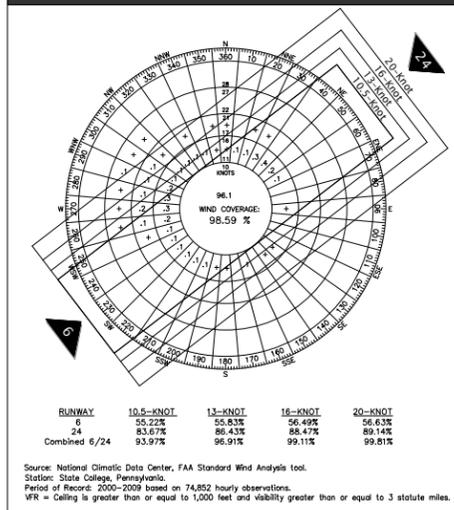
MODIFICATION OF STANDARDS

NO.	DESCRIPTION	APPROVAL DATE
1	LINE-OF-SIGHT RUNWAY 6-24, 6 FEET HEIGHT INSTEAD OF 5 FEET FOR 1/2 RUNWAY	1/26/95
2	RUNWAY TAXIWAY GRADING	11/3/97
3	RWY 6-24 GROOVING WIDTH OF 80 FEET IN A 150 FEET RUNWAY	10/16/00

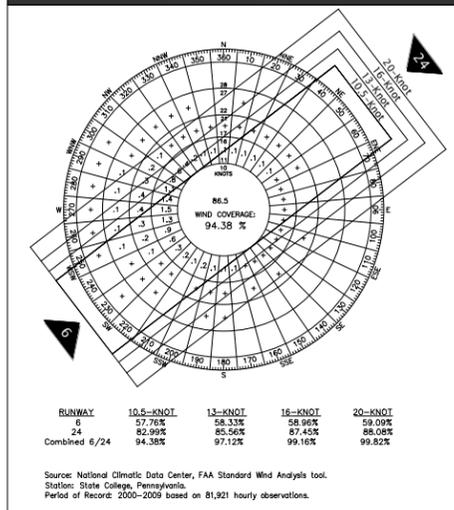
DECLARED DISTANCES

ITEM	EXISTING	FUTURE
TAKE-OFF RUN AVAILABLE (TORA)	6,701' / 6,701'	8,201' / 8,201'
TAKE-OFF DISTANCE AVAILABLE (TODA)	6,701' / 6,701'	8,201' / 8,201'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	6,701' / 6,701'	8,201' / 8,201'
LANDING DISTANCE AVAILABLE (LDA)	6,701' / 6,701'	8,201' / 8,201'

IFR WINDROSE



ALL WEATHER WINDROSE



RUNWAY DATA

	EXISTING	RUNWAY 6/24	FUTURE
APPROACH VISIBILITY TYPE	NPI / PRECISION		PRECISION/SAME
RPZ DIMENSIONS	1000'X1700'X1510' / 1000'X2500'X1750'		1000'X2500'X1750' / SAME
FAR PART 77 APPROACH SLOPE	34:1/50:1		50:1 / SAME
APPROACH VISIBILITY MINIMUMS	3/4-MILE / 1/2-MILE		1/2-MILE / SAME
DEPARTURE SURFACE	YES / YES		NO CHANGE
RUNWAY WIDTH X LENGTH	150' X 6,701'		150' X 8,201'
RUNWAY SHOULDER WIDTH	NONE		25'
RUNWAY PAVEMENT TYPE	ASPHALT (GROOVED)		SAME
TAXIWAY PAVEMENT TYPE	ASPHALT		SAME
PAVEMENT STRENGTH* (IN 1000 LBS.)	SW 50, DW 110		SAME
RUNWAY LIGHTING	HIRL		SAME
RUNWAY MARKING	PRECISION		SAME
EFFECTIVE RUNWAY GRADIENT %	0.58		0.57
RUNWAY 06 WIND COVERAGE	57.76% / 58.33% / 58.96% / 59.09%		SAME
RUNWAY 24 WIND COVERAGE	82.99% / 85.56% / 87.45% / 88.08%		SAME
RUNWAY LINE-OF-SIGHT VIOLATION	YES		SAME
THRESHOLD SITING SURFACE PENETRATIONS		CRITERIA MET	
VISUAL APPROACH AIDS (OWNED BY AIRPORT)	WINDCONE, REILS, PAPI-4 / WINDCONE, PAPI-4		SAME / SAME
VISUAL APPROACH AIDS (OWNED BY FAA)	NONE / MALS, R		MALS, R / SAME
INSTRUMENT APPROACH AIDS (OWNED BY AIRPORT)	RNAV (GPS)		SAME
INSTRUMENT APPROACH AIDS (OWNED BY FAA)	ILS OR LOC, VOR		SAME
TYPE OF AERONAUTICAL SURVEY	VERTICALLY GUIDED		SAME
AIRPORT REFERENCE CODE	C-III		D-IV
APPROACH CATEGORY	NON-PRECISION / PRECISION		PRECISION / SAME
RUNWAY DESIGN CODE	C-III - 2400		D-IV - 2400
RUNWAY END COORDINATES	LAT.40°50'40.01"N LAT.40°51'20.08"N LON.77°51'26.01"W LON.77°50'16.60"W		SAME / LAT.40°51'29.05"N LON.77°50'01.07"W
RUNWAY END ELEVATION	1231.2' / 1191.7'		SAME / 1184.0'
RUNWAY HIGH/LOW POINT ELEVATION	1231.2' / 1191.7'		SAME / 1184.0'
TOUCHDOWN ZONE ELEVATION (TDZE)	1231.2' / 1217.6'		SAME / 1202.3'
DESIGN AIRCRAFT	AAC CATEGORY C ADG CATEGORY III AAC CATEGORY D ADG CATEGORY IV		
EXAMPLE	CRJ-200 DASH 8-100 GULFSTREAM G400 757-300		
APPROACH SPEED	140.8 KNOTS 100 KNOTS 150.8 KNOTS 143 KNOTS		
WINGSPAN	69.5' 85' 77' 10" 125'		
MAXIMUM TAKE-OFF WEIGHT	53,000 LBS 34,502 LBS 73,200 LBS 270,000 LBS		
UNDER-CARRIAGE WIDTH	12' 27' 13'8" 28.2'		
RUNWAY SAFETY AREA (RSA) WIDTH	500'		SAME
RSA LENGTH BEYOND STOP END	1,000' / 1,000'		SAME
RUNWAY OBJECT FREE AREA (OFA) WIDTH	800'		SAME
OFA LENGTH BEYOND STOP END	1,000' / 1,000'		SAME
OBSTACLE FREE ZONE (OFZ) WIDTH	400'		SAME
OFZ LENGTH BEYOND STOP END	200'		SAME
OBSTACLE FREE ZONE		NO OFZ OBJECT PENETRATIONS	
RUNWAY CENTERLINE TO HOLD LINE	250'		SAME
RUNWAY & TO PARALLEL TAXIWAY &	400'		SAME
TAXIWAY / TAXILANE WIDTH	A&B-50' / C-50' + / D-60' / E-95' / F-50' + / G-95' / H-37' / J-95'		SAME
TAXIWAY OBJECT FREE AREA WIDTH	186'		259'
TAXIWAY SAFETY AREA WIDTH	118'		171'
TAXIWAY & TAXIWAY SEPARATION	(TW'A' TO 'T'/'B') 220'		SAME
TAXIWAY & TAXILANE LIGHTING	MITL		SAME
TAKE-OFF DISTANCE AVAILABLE (TODA)	6,701' / 6,701'		8,201' / 8,201'
TAKE-OFF RUN AVAILABLE (TORA)	6,701' / 6,701'		8,201' / 8,201'
ACCELERATE-STOP DISTANCE AVAILABLE (ASDA)	6,701' / 6,701'		8,201' / 8,201'
LANDING DISTANCE AVAILABLE (LDA)	6,701' / 6,701'		8,201' / 8,201'

* - ESTIMATED USING AUTOCAD CIVIL 3D, V2013.

MONUMENTS

NO.	DESIGNATION	PID NUMBER	LATITUDE	LONGITUDE
1 (PRIMARY)	UNV D	AA5439	N 40°51'05.499"	W 77°50'53.459"
2 (SECONDARY)	UNV E	AH7846	N 40°51'00.011"	W 77°51'11.798"

REVISIONS

NO.	ITEM	BY	DATE

NOTES

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- EXISTING COORDINATES AND ELEVATIONS TAKEN FROM FAA WEBSITE: http://www.faa.gov/ats/atsheet/atsheet.plg?airport=PRO_AIRPORT_RUNWAY&ctrl_num=3111 (JANUARY, 2015)
- ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD88.
- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.

University Park Airport
State College, Pennsylvania

DATA SHEET

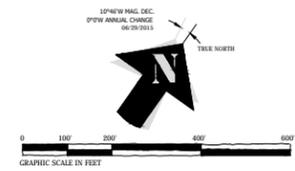
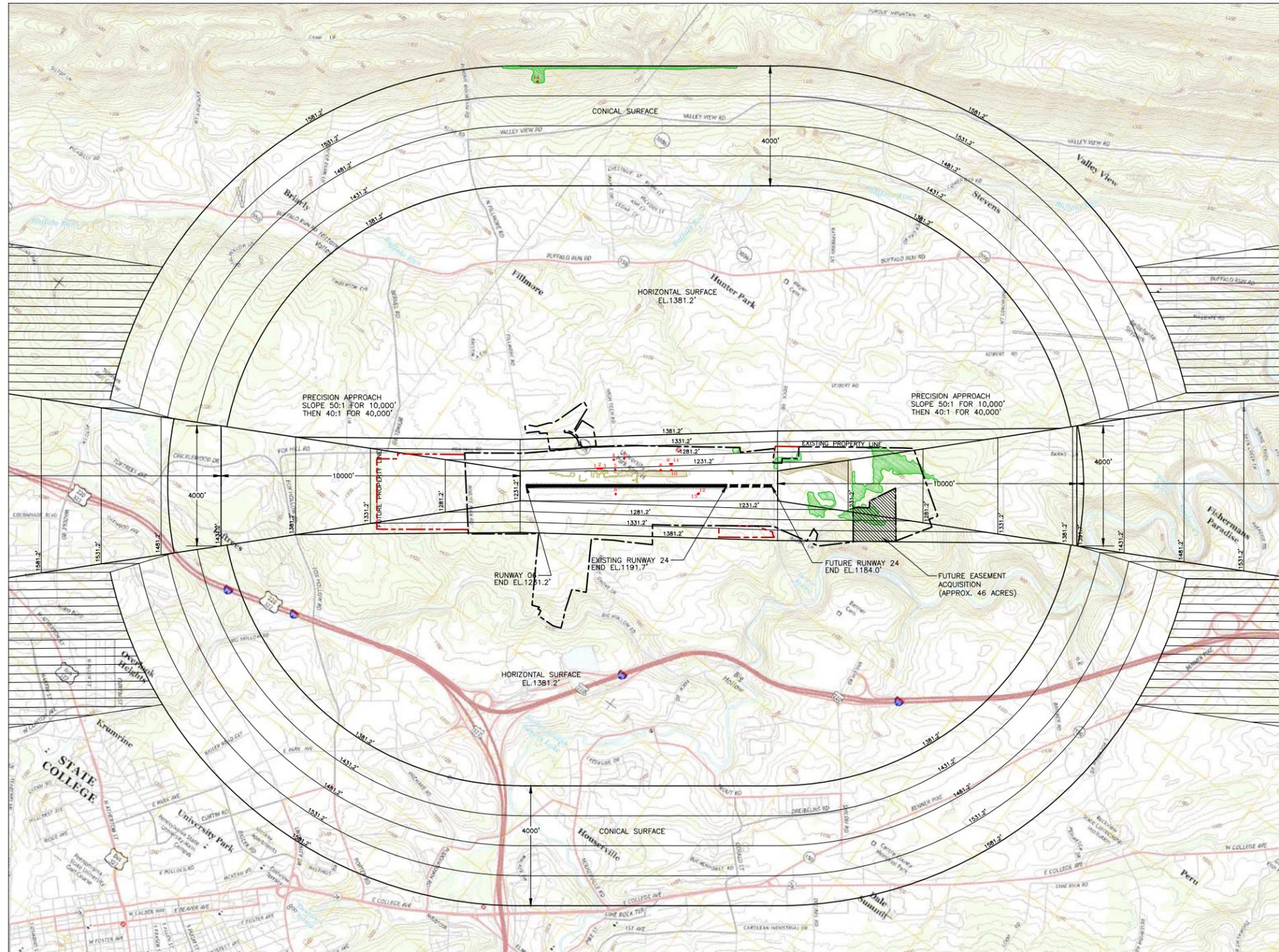


LANSLING
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Lansling, Michigan 48906
517.321.8334

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**CONICAL SURFACE
Plan View**
1" = 2,000'

OBSTRUCTIONS

No.	NAME	ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE	DISPOSITION
1	SEGMENTED CIRCLE	1239.2	2	1237.2	6/24 TRANSITIONAL	LIGHTED
2	WINDSOCK	1263.4	26	1237.4	6/24 TRANSITIONAL	LIGHTED
3	SEGMENTED CIRCLE	1238.7	2	1236.7	6/24 TRANSITIONAL	LIGHTED
4	TERMINAL LT. POLE	1278.0	0	1278.0	6/24 TRANSITIONAL	N/A
5	DRAINAGE VALVE	1231.7	2	1229.7	6/24 TRANSITIONAL	TO REMAIN
6	TREE	1230.2	6	1224.2	6/24 PRIMARY	REMOVE
7	ATCT	1321.5	41	1280.5	6/24 TRANSITIONAL	LIGHTED
8	ELEC. MANHOLE STRUCTURE	1215.6	4	1211.6	6/24 TRANSITIONAL	TO REMAIN
9	FUEL FARM LT. POLE	1238.2	1	1237.2	6/24 TRANSITIONAL	TO REMAIN
10	ELECTRICAL METER	1213.1	6	1207.1	6/24 TRANSITIONAL	TO REMAIN
11	FUEL FARM LT. POLE	1237.5	1	1236.5	6/24 TRANSITIONAL	TO REMAIN
12	GLIDESLOPE ANTENNA	1232.8	35	1197.8	6/24 PRIMARY	LIGHTED
13	AWOS ANTENNA	1224.6	27	1197.6	6/24 PRIMARY	LIGHTED
14	MULTIPLE TREES	1561.3	6.4	1554.9	CONICAL	TO REMAIN
	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	N/A
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	REMOVE

REVISIONS

NO.	ITEM	BY	DATE

NOTES

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http://onwww.fcc.gov/pst/dotcom/hq/airports/airport_PRO_AIRPORT_RUNWAY_v_ctrl_num=3111 (JANUARY, 2015)
- ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- USGS 7.5 MINUTE SURVEY MAPS INCLUDE BEAR KNOB, PA 2013, BELLEFONTE, PA 2013, CENTRE HALL, PA 2013, FRANKLINVILLE, PA 2013, JULIAN, PA 2013, MINGOVILLE, PA 2013, PINECROFT, PA 2013, PORT MATILDA, PA 2013, AND STATE COLLEGE, PA 2013.
- OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EAGAN, MINNESOTA, JANUARY 2014.

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
EASEMENT	---	---



LANSING
2605 Port Lansing Road
Lansing, Michigan 48906
517.321.8334

DATE
APR 2016

SCALE
1" = 2000'

SHEET NO.
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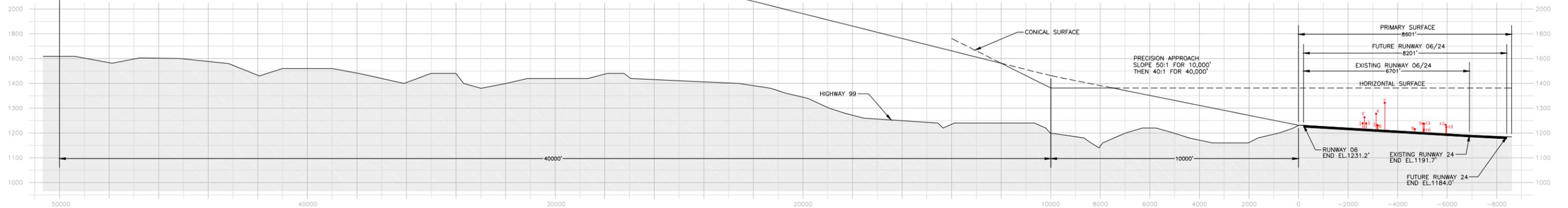
**University Park Airport
State College, Pennsylvania**
**AIRPORT AIRSPACE DRAWING
CONICAL SURFACE - PLAN VIEW**

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Extended Approach Profile Runway 06

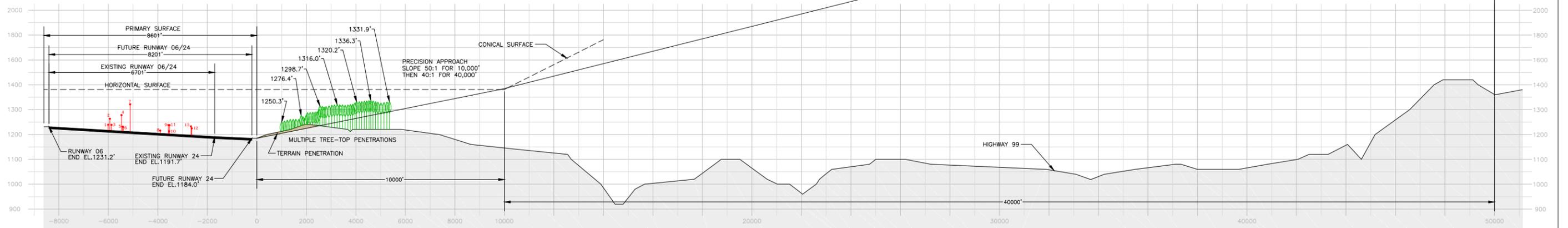
HORIZONTAL SCALE 1" = 2,000'
VERTICAL SCALE 1" = 200'



Note: See Inner Portion of Approach Surface Drawing for detailed obstruction information.

Extended Approach Profile Runway 24

HORIZONTAL SCALE 1" = 2,000'
VERTICAL SCALE 1" = 200'



OBSTRUCTIONS

No.	NAME	ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE	DISPOSITION
1	SEGMENTED CIRCLE	1239.2	2	1237.2	6/24 TRANSITIONAL	LIGHTED
2	WINDSOCK	1263.4	26	1237.4	6/24 TRANSITIONAL	LIGHTED
3	SEGMENTED CIRCLE	1238.7	2	1236.7	6/24 TRANSITIONAL	LIGHTED
4	TERMINAL LT. POLE	1278.0	0	1278.0	6/24 TRANSITIONAL	N/A
5	DRAINAGE VALVE	1231.7	2	1229.7	6/24 TRANSITIONAL	TO REMAIN
6	TREE	1230.2	6	1224.2	6/24 PRIMARY	REMOVE
7	ATCT	1321.5	41	1280.5	6/24 TRANSITIONAL	LIGHTED
8	ELEC. MANHOLE STRUCTURE	1215.6	4	1211.6	6/24 TRANSITIONAL	TO REMAIN
9	FUEL FARM LT. POLE	1238.2	1	1237.2	6/24 TRANSITIONAL	TO REMAIN
10	ELECTRICAL METER	1213.1	6	1207.1	6/24 TRANSITIONAL	TO REMAIN
11	FUEL FARM LT. POLE	1237.5	1	1236.5	6/24 TRANSITIONAL	TO REMAIN
12	GLIDESLOPE ANTENNA	1232.8	35	1197.8	6/24 PRIMARY	LIGHTED
13	AWOS ANTENNA	1224.6	27	1197.6	6/24 PRIMARY	LIGHTED

OBSTRUCTIONS

NO.	OBJECT DESCRIPTION	TOP ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE PENETRATED	PROPOSED DISPOSITION
	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	REMOVE BELOW THRESHOLD SITING SURFACE, LIGHT PART 77 PENETRATIONS
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	N/A

REVISIONS

NO.	ITEM	BY	DATE

NOTES

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- OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EGAN, MINNESOTA, JANUARY 2014.

University Park Airport
State College, Pennsylvania

AIRPORT AIRSPACE DRAWING EXTENDED APPROACH - PROFILE VIEW



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Lansing, Michigan 48906
517.321.8334

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APR 2016

SCALE
1" = 2000'

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7 of 19

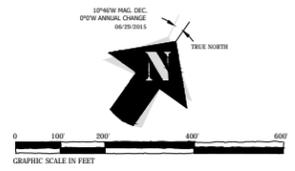
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**Extended Approach
Runway 24 - Plan View**
1" = 2,000'

OBSTRUCTIONS						
NO.	OBJECT DESCRIPTION	TOP ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE PENETRATED	PROPOSED DISPOSITION
	TERRAIN PENETRATION	VARIABLES	VARIABLES	VARIABLES	VARIABLES	NOTE: SEE RUNWAY 24 EXISTING AND FUTURE INNER APPROACH DRAWINGS FOR PART 77 OBSTRUCTIONS
	TREE TOP AREA PENETRATION	VARIABLES	VARIABLES	VARIABLES	VARIABLES	

DRAWING LEGEND	
EXISTING	FUTURE
AIRPORT PROPERTY LINE	
EASEMENT	



REVISIONS			
NO.	ITEM	BY	DATE

- NOTES**
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 - OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EAGAN, MINNESOTA, JANUARY 2014.

University Park Airport
State College, Pennsylvania

AIRPORT AIRSPACE DRAWING
R/W 24 EXTENDED APPROACH - PLAN VIEW

DATE
APR 2016

SCALE
1" = 2000'

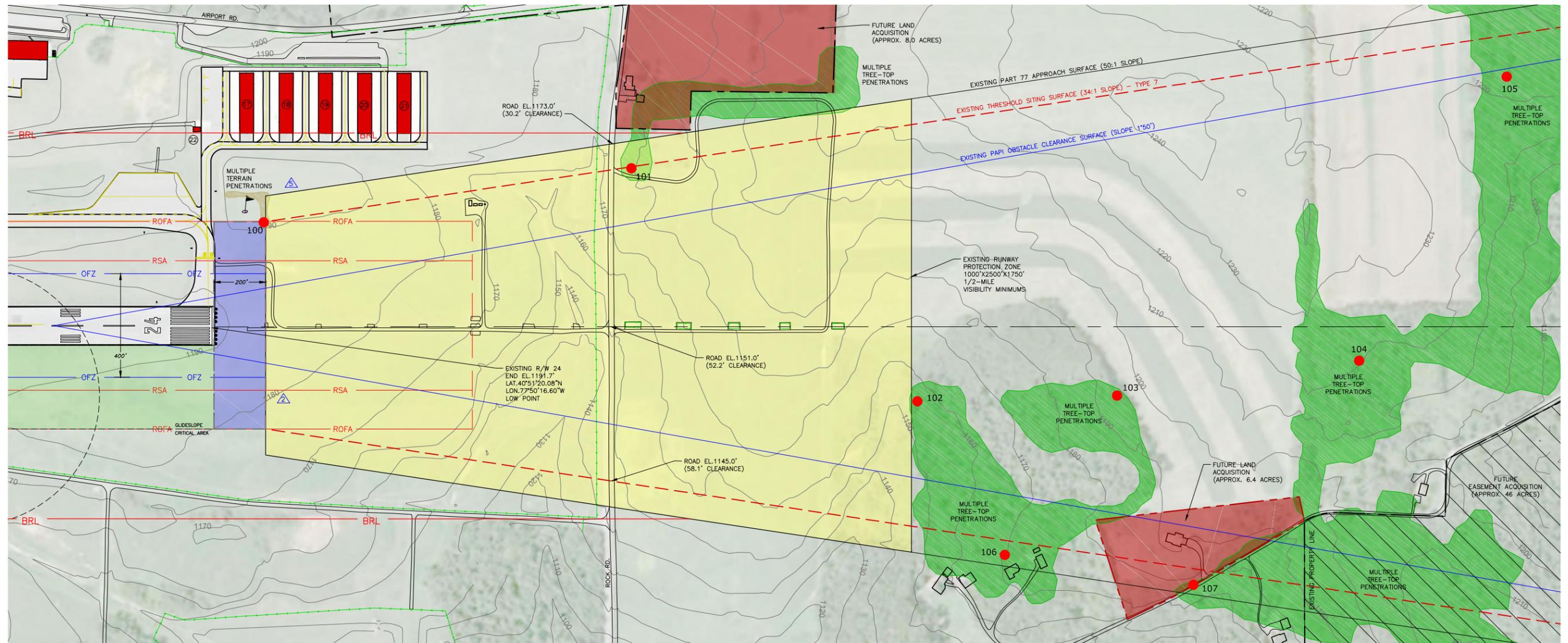
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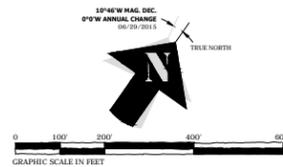
Existing Runway 24
Plan View

1" = 200'

NOTE: THE EXCESSIVE NUMBER OF TREE TOP PENETRATIONS TO THE APPROACH SURFACE EXCEEDS THE ABILITY TO SHOW THEM ALL AND MAINTAIN CLARITY OF ILLUSTRATION. THEREFORE, A FEW SELECTED ELEVATIONS ARE SPECIFIED AMONG THE MULTIPLE PENETRATIONS.

OBSTRUCTIONS

NO.	OBJECT DESCRIPTION	TOP ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE PENETRATED	PROPOSED DISPOSITION
100	GROUND	1192.2'	0.5'	1191.7'	RUNWAY 24 APPROACH	TO REMAIN
101	MULTIPLE TREES	1225.9'	5.9'	1220.0'	RUNWAY 24 APPROACH	TO BE REMOVED
102	MULTIPLE TREES	1250.3'	8.3'	1242.0'	RUNWAY 24 APPROACH	TO BE REMOVED
103	MULTIPLE TREES	1276.4'	18.5'	1257.9'	RUNWAY 24 APPROACH	TO BE REMOVED
104	MULTIPLE TREES	1311.8'	37.3'	1274.5'	RUNWAY 24 APPROACH	TO BE REMOVED
105	MULTIPLE TREES	1318.3'	33.9'	1284.4'	RUNWAY 24 APPROACH	TO BE REMOVED
106	MULTIPLE TREES	1260.6'	11.4'	1249.2'	RUNWAY 24 APPROACH	TO BE REMOVED
107	MULTIPLE TREES	1287.3'	24.5'	1262.8'	RUNWAY 24 APPROACH	TO BE REMOVED
	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	TO REMAIN
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	TO BE REMOVED



REVISIONS

NO.	ITEM	BY	DATE

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
AIRPORT BUILDINGS	■	■
AIRPORT BUILDINGS (to be removed)	■	■
AIRFIELD PAVEMENT	▨	▨
AIRFIELD PAVEMENT/ROADWAY (to be removed)	▨	▨
PAVED ROADS	▨	▨
RUNWAY PROTECTION ZONE	▨	▨
EASEMENT	▨	▨
BUILDING RESTRICTION LINE	---	---
RUNWAY SAFETY AREA	---	---
RUNWAY OBJECT FREE AREA	---	---
OBJECT FREE ZONE	---	---
PRECISION OBJECT FREE ZONE	---	---
GLIDESLOPE CRITICAL AREA	---	---
RVR	---	N/A
FENCE	---	N/A
FUEL STORAGE AREA	---	N/A
AIRPORT BEACON	★	N/A
WIND CONE	---	N/A
LIGHTED WIND CONE & SEGMENTED CIRCLE	---	N/A
AIRPORT REFERENCE POINT (ARP)	⊕	⊕
CONTOURS	---	---
PRECISION APPROACH PATH INDICATOR (PAPI)	■	■
HOLD LINES & SIGNS	---	---
AWOS	---	---
RUNWAY END IDENTIFIER LIGHTS (REILS)	●	●
THRESHOLD LIGHTS	●	●
STORM WATER MANAGEMENT	---	---
MONUMENT	▲	▲
OBSTRUCTION LIGHT	★	★

NOTES

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- ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.
- OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EAGAN, MINNESOTA, JANUARY 2014.
- THERE ARE NO OFZ OBJECT PENETRATIONS.
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University Park Airport
State College, Pennsylvania

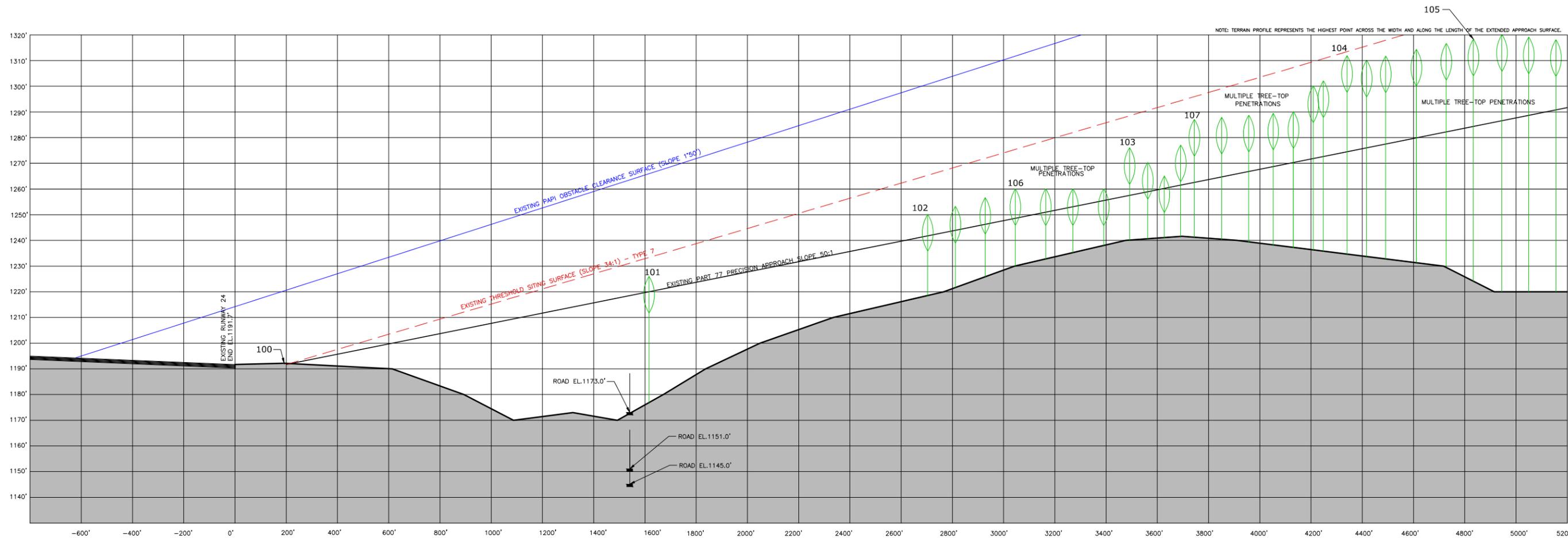
INNER PORTION OF THE APPROACH SURFACE DRAWING
Existing Runway 24 - Plan View

Mead & Hunt

LANSING
2605 Port Lansing Road
Lansing, Michigan 48906
517.321.8334

DATE
APR 2016
SCALE
1" = 200'
SHEET NO.
10 of 19

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Existing Runway 24 - Profile View

1" = 200' HORIZONTALLY
1" = 20' VERTICALLY

NOTE: THE EXCESSIVE NUMBER OF TREE TOP PENETRATIONS TO THE APPROACH SURFACE EXCEEDS THE ABILITY TO SHOW THEM ALL AND MAINTAIN CLARITY OF ILLUSTRATION. THEREFORE, A FEW SELECTED ELEVATIONS ARE SPECIFIED AMONG THE MULTIPLE PENETRATIONS.

OBSTRUCTIONS

NO.	OBJECT DESCRIPTION	TOP ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE PENETRATED	PROPOSED DISPOSITION
100	GROUND	1192.2'	0.5'	1191.7'	RUNWAY 24 APPROACH	TO REMAIN
101	MULTIPLE TREES	1225.9'	5.9'	1220.0'	RUNWAY 24 APPROACH	TO BE REMOVED
102	MULTIPLE TREES	1250.3'	8.3'	1242.0'	RUNWAY 24 APPROACH	TO BE REMOVED
103	MULTIPLE TREES	1276.4'	18.5'	1257.9'	RUNWAY 24 APPROACH	TO BE REMOVED
104	MULTIPLE TREES	1311.8'	37.3'	1274.5'	RUNWAY 24 APPROACH	TO BE REMOVED
105	MULTIPLE TREES	1318.3'	33.9'	1284.4'	RUNWAY 24 APPROACH	TO BE REMOVED
106	MULTIPLE TREES	1260.6'	11.4'	1249.2'	RUNWAY 24 APPROACH	TO BE REMOVED
107	MULTIPLE TREES	1287.3'	24.5'	1262.8'	RUNWAY 24 APPROACH	TO BE REMOVED
	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	TO REMAIN
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	TO BE REMOVED

NOTES

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http://www.faa.gov/plb/datasheet_prd/pkg_airport/PRO_AIRPORT_RUNWAY24_criL_num=3111 (JANUARY, 2015)
ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.
- OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EAGAN, MINNESOTA, JANUARY 2014.
- THERE ARE NO OFZ OBJECT PENETRATIONS.
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University Park Airport
State College, Pennsylvania

INNER PORTION OF THE APPROACH SURFACE DRAWING
Existing Runway 24 - Profile View



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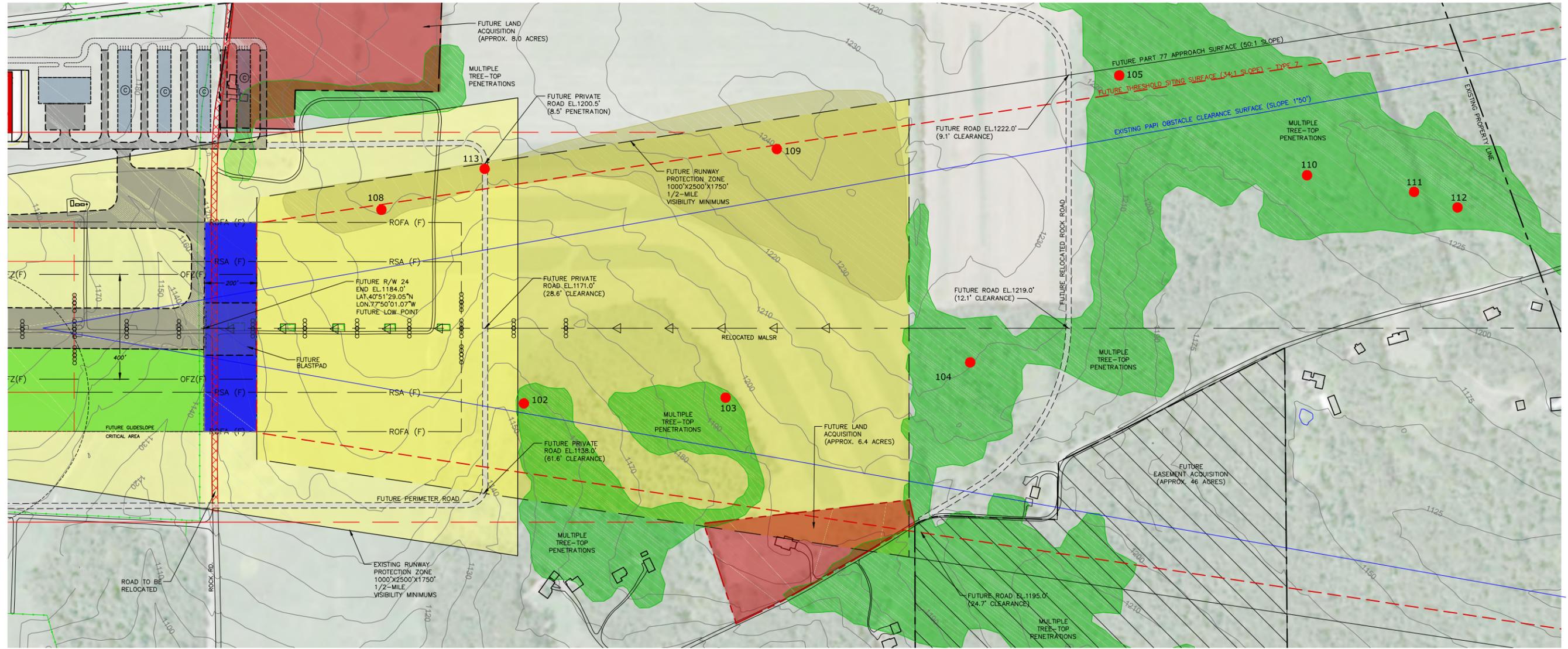
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REVISIONS

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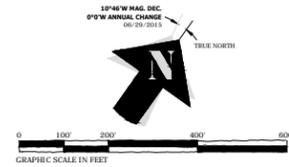
Future Runway 24
Plan View

1" = 200'

NOTE: THE EXCESSIVE NUMBER OF TREE TOP PENETRATIONS TO THE APPROACH SURFACE EXCEEDS THE ABILITY TO SHOW THEM IN ALL AND MAINTAIN CLARITY OF ILLUSTRATION. THEREFORE, A FEW SELECTED ELEVATIONS ARE SPECIFIED AMONG THE MULTIPLE PENETRATIONS.

OBSTRUCTIONS

NO.	OBJECT DESCRIPTION	TOP ELEVATION	FUTURE RUNWAY 24 PART 77 APPROACH SURFACE PENETRATION	FUTURE RUNWAY 24 PART 77 APPROACH SURFACE ALLOWABLE HT.	FUTURE RUNWAY 24 THRESHOLD SITING SURFACE PENETRATION	FUTURE RUNWAY 24 THRESHOLD SITING SURFACE ALLOWABLE HT.	PROPOSED DISPOSITION
102	MULTIPLE TREES	1250.3'	45.9'	1204.4'	36.4'	1213.9'	TO BE REMOVED
103	MULTIPLE TREES	1276.4'	56.2'	1220.2'	39.1'	1237.3'	TO BE REMOVED
104	MULTIPLE TREES	1311.8'	75.0'	1236.8'	50.1'	1261.7'	TO BE REMOVED
105	MULTIPLE TREES	1318.3'	71.5'	1246.8'	42.0'	1276.3'	TO BE REMOVED
108	GROUND	1202'	8'	1194'	4'	1198'	TO BE REMOVED BELOW TSS, TO BE LIGHTED FOR PART 77
109	GROUND	1240'	16'	1224'	2'	1238'	TO BE REMOVED BELOW TSS, TO BE LIGHTED FOR PART 77
110	MULTIPLE TREES	1329.4'	65.4'	1264.0'	27.4'	1302.0'	TO BE REMOVED
111	MULTIPLE TREES	1334.2'	61.5'	1272.7'	19.7'	1314.5'	TO BE REMOVED
112	MULTIPLE TREES	1336.3'	59.9'	1276.4'	16.7'	1319.6'	TO BE REMOVED
113	FUTURE ROAD (ELEV. 1200.5')	1210.5'	48.5'	1202'	0'	1210.5'	TO BE LIGHTED FOR PART 77
	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	VARIES	TO BE REMOVED BELOW THRESHOLD SURFACE TO BE LIGHTED FOR PART 77 PENETRATION
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	VARIES	TO BE REMOVED



REVISIONS

NO.	ITEM	BY	DATE

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	—	—
AIRPORT BUILDINGS (to be removed)	—	—
AIRFIELD PAVEMENT	—	—
AIRFIELD PAVEMENT/ROADWAY (to be removed)	—	—
PAVED ROADS	—	—
RUNWAY PROTECTION ZONE	—	—
EASEMENT	—	—
BUILDING RESTRICTION LINE	—	—
RUNWAY SAFETY AREA	—	—
RUNWAY OBJECT FREE AREA	—	—
OBJECT FREE ZONE	—	—
PRECISION OBJECT FREE ZONE	—	—
GLIDESLOPE CRITICAL AREA	—	—
RVR	—	—
FENCE	—	—
FUEL STORAGE AREA	—	—
AIRPORT BEACON	—	—
WIND CONE	—	—
LIGHTED WIND CONE & SEGMENTED CIRCLE	—	—
AIRPORT REFERENCE POINT (ARP)	—	—
CONTOURS	—	—
PRECISION APPROACH PATH INDICATOR (PAPI)	—	—
HOLD LINES & SIGNS	—	—
AWOS	—	—
RUNWAY END IDENTIFIER LIGHTS (REILS)	—	—
THRESHOLD LIGHTS	—	—
STORM WATER MANAGEMENT	—	—
MONUMENT	—	—
OBSTRUCTION LIGHT	—	—

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INNER PORTION OF THE APPROACH SURFACE DRAWING
Future Runway 24 - Plan View

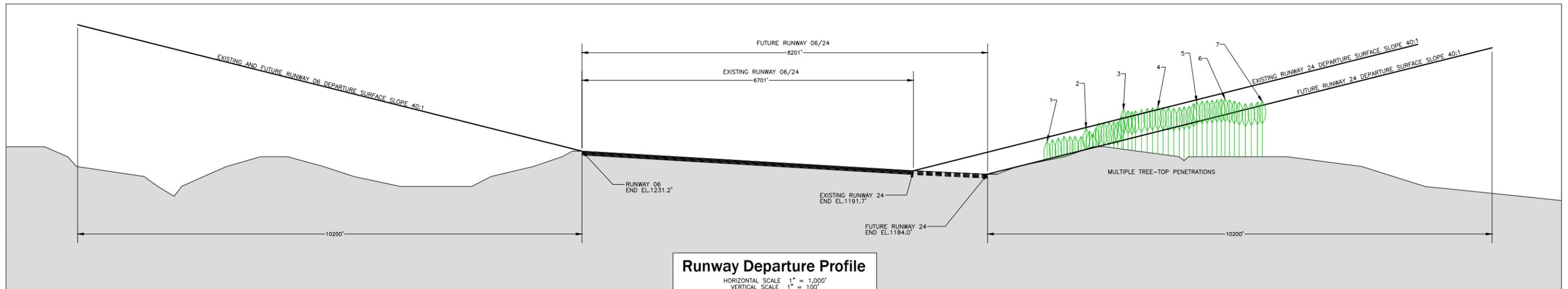
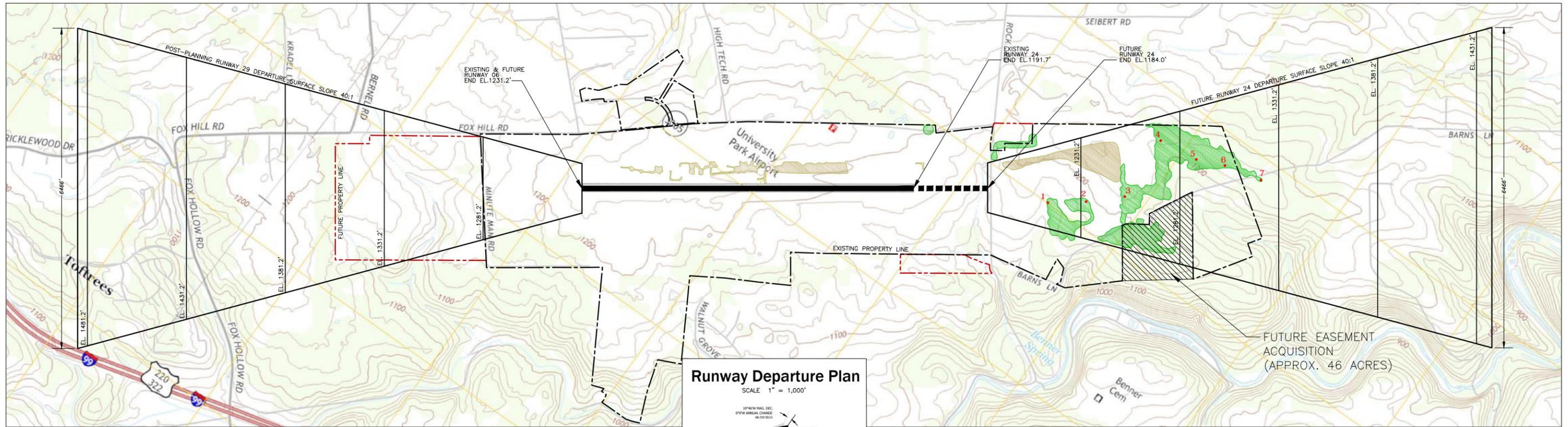


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OBSTRUCTIONS

No.	NAME	ELEVATION	PENETRATION	ALLOWABLE HT.	SURFACE	DISPOSITION
1	TREE	1250.3	35.9	1214.4	DEPARTURE	TO BE REMOVED
2	TREE	1276.4	41.5	1234.9	DEPARTURE	TO BE REMOVED
3	TREE	1298.7	61.3	1237.4	DEPARTURE	TO BE REMOVED
4	TREE	1316.0	49.9	1266.1	DEPARTURE	TO BE REMOVED
5	TREE	1320.2	40.3	1279.9	DEPARTURE	TO BE REMOVED
6	TREE	1336.3	32.0	1304.3	DEPARTURE	TO BE REMOVED
7	TREE	1331.9	8.2	1323.7	DEPARTURE	TO BE REMOVED

	TERRAIN PENETRATION	VARIES	VARIES	VARIES	VARIES	N/A
	TREE TOP AREA PENETRATION	VARIES	VARIES	VARIES	VARIES	REMOVE

OBSTRUCTIONS RW 6

No.	ID	NAME	ELEVATION	PENETRATION	SURFACE	DISPOSITION

NOTE: THERE ARE NO KNOWN OBSTRUCTIONS FOR RUNWAY 06 DEPARTURE SURFACE

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	---	---
EASEMENT	---	---

REVISIONS

NO.	ITEM	BY	DATE

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- ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- USGS 7.5 MINUTE SURVEY MAPS INCLUDE BEAR KNOB, PA 2013, BELLEFONTE, PA 2013, CENTRE HALL, PA 2013, FRANKLINVILLE, PA 2013, JULIAN, PA 2013, MINGOVILLE, PA 2013, PINEGROVE, PA 2013, FORT MATLIDA, PA 2013, AND STATE COLLEGE, PA 2013.
- OBSTRUCTION INFORMATION OBTAINED FROM MARTINEZ GEOSPATIAL SURVEY, EAGAN, MINNESOTA, JANUARY 2014.

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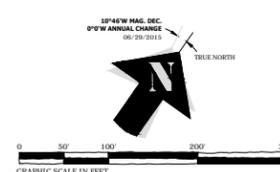
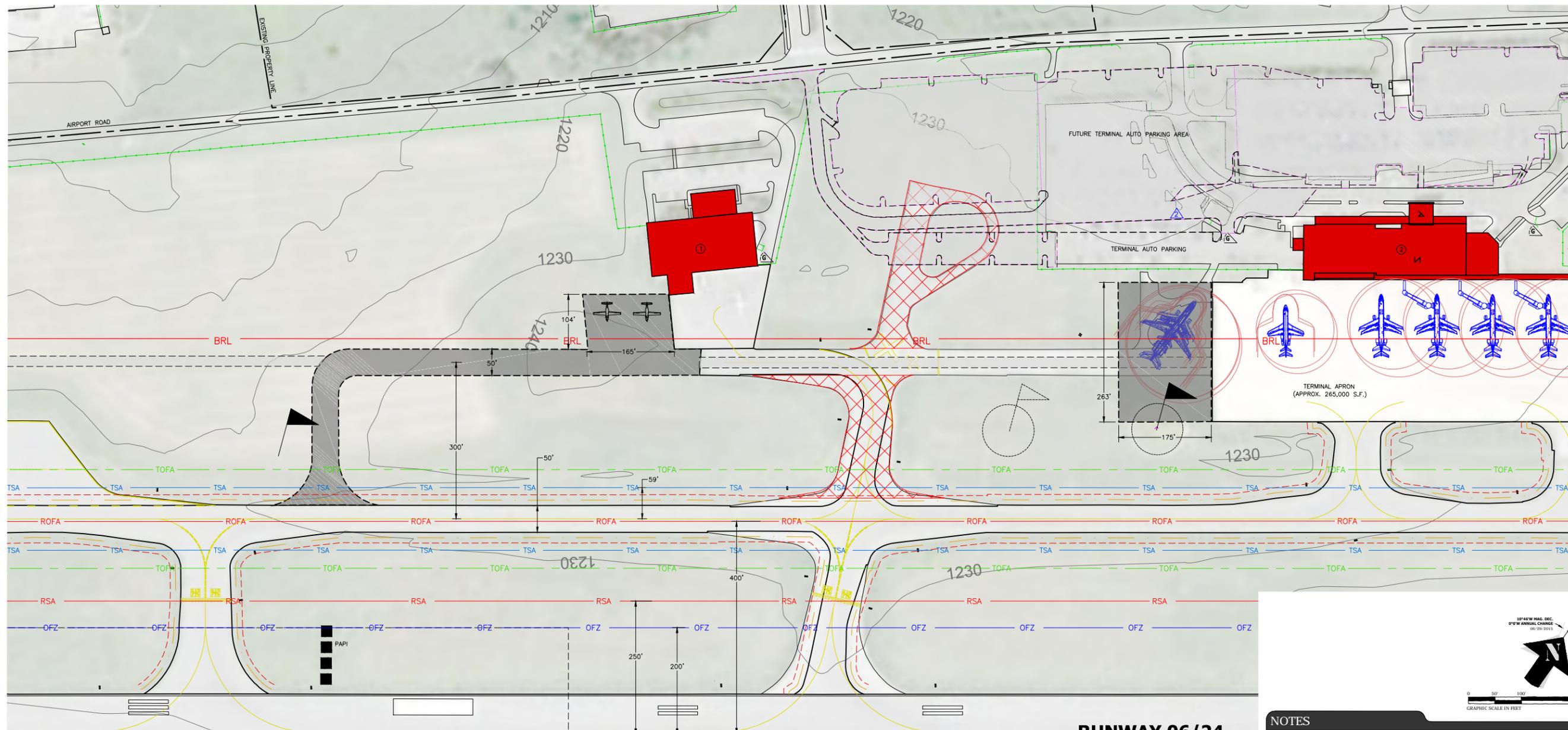
DEPARTURE SURFACE DRAWING



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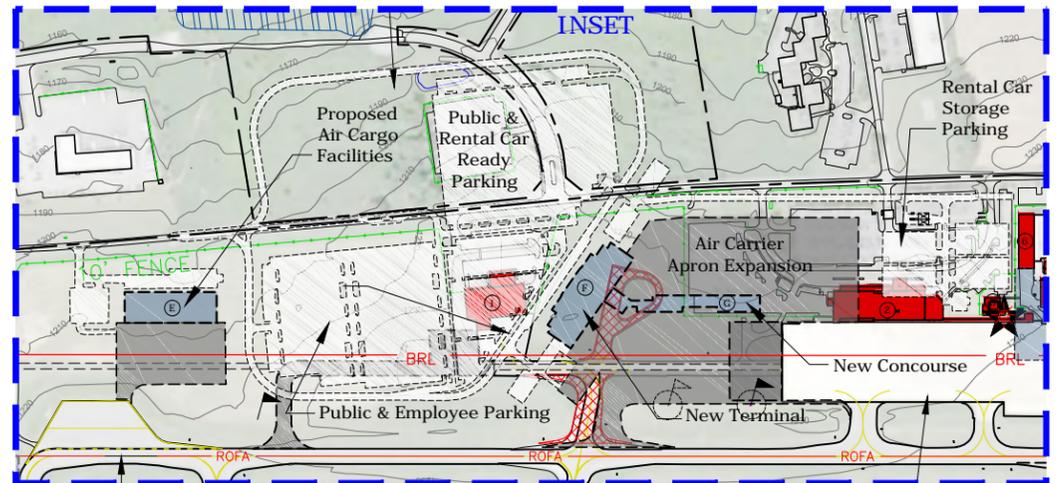
DATE
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SCALE
1" = 2000'
SHEET NO.
14 of 19

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NOTES

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Future Commercial Airline Terminal Layout - 1" = 300'

BUILDING LEGEND

NO.	DESCRIPTION	TOP ELEVATION
1	FEDEX (AIR CARGO FACILITIES)	1259.1'
2	AIR CARRIER TERMINAL	1278.6'

AIRPORT DATA

	EXISTING	FUTURE
AIRPORT ELEVATION (AMSL) NAVD 88	1,231.2'	SAME
AIRPORT REFERENCE POINT (ARP) NAD 83	LAT. 40°51'0.04"N LON. 77°50'51.30"W	LAT. 40°51'04.53"N LON. 77°50'43.53"W
COUNTY	CENTRE	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	85°	SAME
COMBINED WIND COVERAGE (10.5kt, 13kt, 16kt, 20kt)	94.38%/97.12%/99.16%/99.82%	SAME
MAGNETIC VARIATION (DATE)*	0°22'W (JAN 2015)	SAME
AIRPORT REFERENCE CODE	C-III	D-IV
PENNSYLVANIA STATEWIDE AIRPORT SYSTEM ROLE	ADVANCED	SAME
CRITICAL AIRCRAFT	BOEING 737-900	BOEING 757-300
NPIAS SERVICE LEVEL	COMMERCIAL/PRIMARY	SAME
TAXIWAY LIGHTING	MFL	SAME
TAXIWAY MARKING	YES	SAME
AIRPORT & TERMINAL NAVAIDS	ROT BEACON, REILS, PAPI-4, AWOS, MALSR, SEG. CIRCLE, ILS, GPS, WINDCONE	SAME

* - SOURCE: WORLD MAGNETIC MODEL (WMM)

DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE	[Symbol]	[Symbol]
AIRPORT BUILDINGS	[Symbol]	[Symbol]
AIRPORT BUILDINGS (to be removed)	[Symbol]	[Symbol]
AIRFIELD PAVEMENT	[Symbol]	[Symbol]
AIRFIELD PAVEMENT/ROADWAY (to be removed)	[Symbol]	[Symbol]
PAVED ROADS	[Symbol]	[Symbol]
RUNWAY PROTECTION ZONE	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
RUNWAY SAFETY AREA	[Symbol]	[Symbol]
RUNWAY OBJECT FREE AREA	[Symbol]	[Symbol]
OBJECT FREE ZONE	[Symbol]	[Symbol]
PRECISION OBJECT FREE ZONE	[Symbol]	[Symbol]
RVR	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]
FUEL STORAGE AREA	[Symbol]	[Symbol]
AIRPORT BEACON	[Symbol]	[Symbol]
WIND CONE	[Symbol]	[Symbol]
LIGHTED WIND CONE & SEGMENTED CIRCLE	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT (ARP)	[Symbol]	[Symbol]
CONTOURS	[Symbol]	[Symbol]
PRECISION APPROACH PATH INDICATOR (PAPI)	[Symbol]	[Symbol]
HOLD LINES & SIGNS	[Symbol]	[Symbol]
AWOS	[Symbol]	[Symbol]
RUNWAY END IDENTIFIER LIGHTS (REILS)	[Symbol]	[Symbol]
THRESHOLD LIGHTS	[Symbol]	[Symbol]
SECURITY GATE	[Symbol]	[Symbol]
TAXIWAY SHOULDERS	[Symbol]	[Symbol]
TAXIWAY EDGE SAFETY MARGIN	[Symbol]	[Symbol]
TAXIWAY OBJECT FREE AREA	[Symbol]	[Symbol]
TAXIWAY SAFETY AREA	[Symbol]	[Symbol]
OBSTRUCTION LIGHT	[Symbol]	[Symbol]

REVISIONS

NO.	ITEM	BY	DATE

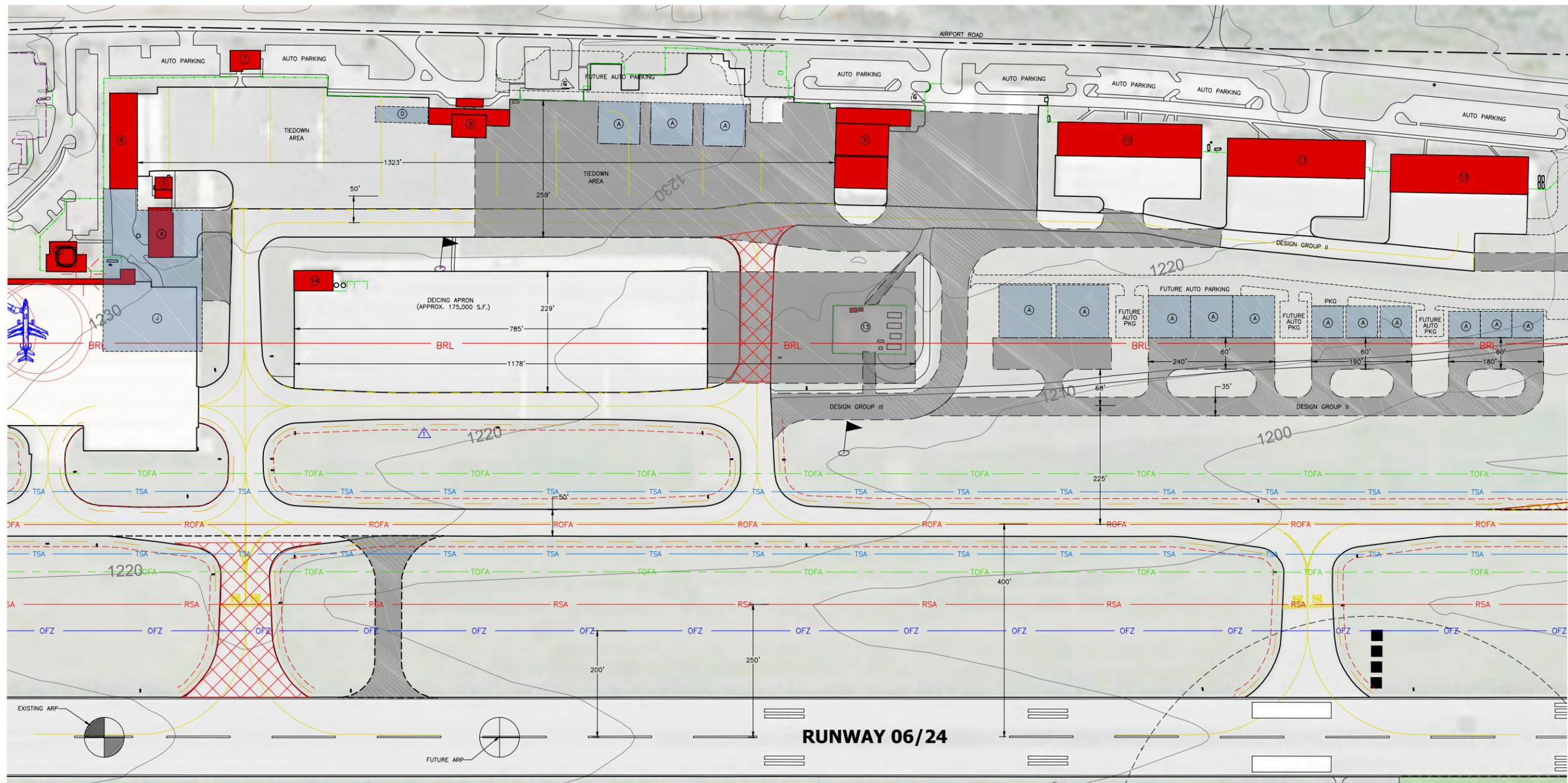
University Park Airport
State College, Pennsylvania

TERMINAL AREA DRAWING - WEST

DATE: APR 2016
SCALE: 1" = 100'
SHEET NO. 15 of 19

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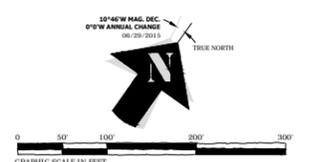
AIRPORT DATA		
	EXISTING	FUTURE
AIRPORT ELEVATION (AMSL) NAVD 88	1,231.2	SAME
AIRPORT REFERENCE POINT (ARP) NAD 83	LAT. 40°51'0.04"N LON. 77°50'51.30"W	LAT. 40°51'04.53"N LON. 77°50'43.53"W
COUNTY	CENTRE	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	85°	SAME
COMBINED WIND COVERAGE (10.5kt, 13kt, 16kt, 20kt)	94.38%/97.12%/99.16%/99.82%	SAME
MAGNETIC VARIATION (DATE) *	0°22'W (JAN 2015)	SAME
AIRPORT REFERENCE CODE	C-III	D-IV
PENNSYLVANIA STATEWIDE AIRPORT SYSTEM ROLE	ADVANCED	SAME
CRITICAL AIRCRAFT	BOEING 737-900	BOEING 757-300
NPIAS SERVICE LEVEL	COMMERCIAL/PRIMARY	SAME
TAXIWAY LIGHTING	MFL	SAME
TAXIWAY MARKING	YES	SAME
AIRPORT & TERMINAL NAVAIDS	ROT BEACON, REILS, PAPI-4, AWOS, MALSR, SEG. CIRCLE, ILS, GPS, WINDCONE	SAME

BUILDING LEGEND		
NO.	DESCRIPTION	TOP ELEVATION
3	AIR TRAFFIC CONTROL TOWER	1320.5'
4	AIRCRAFT RESCUE & FIRE FIGHTING	1261.1'
5	ELECTRICAL VAULT	1244.3'
6	SNOW REMOVAL EQUIPMENT BUILDING	1262.0'
7	PSU LINE SERVICE	1255.9'
8	GENERAL AVIATION TERMINAL	1264.3'
9	PSU HANGAR	1272.4'
10	SHOWER HANGAR	1257.4'
11	PSU HANGAR	1252.0'
12	PSU HANGAR	1248.2'
13	FUEL FARM	1229.3'
14	DEICING EQUIPMENT STORAGE BLDG.	1247.1'
A	FUTURE CORPORATE FACILITIES	
D	FUTURE GA EXPANSION	
J	FUTURE ARFF/SRE FACILITIES	

NOTES

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- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.

REVISIONS			
NO.	ITEM	BY	DATE



DRAWING LEGEND		
	EXISTING	FUTURE
AIRPORT PROPERTY LINE	[Symbol]	[Symbol]
AIRPORT BUILDINGS	[Symbol]	[Symbol]
AIRPORT BUILDINGS (to be removed)	[Symbol]	[Symbol]
AIRFIELD PAVEMENT	[Symbol]	[Symbol]
AIRFIELD PAVEMENT/ROADWAY (to be removed)	[Symbol]	[Symbol]
PAVED ROADS	[Symbol]	[Symbol]
RUNWAY PROTECTION ZONE	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
RUNWAY SAFETY AREA	[Symbol]	[Symbol]
RUNWAY OBJECT FREE AREA	[Symbol]	[Symbol]
OBJECT FREE ZONE	[Symbol]	[Symbol]
PRECISION OBJECT FREE ZONE	[Symbol]	[Symbol]
RVR	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]
FUEL STORAGE AREA	[Symbol]	[Symbol]
AIRPORT BEACON	[Symbol]	[Symbol]
WIND CONE	[Symbol]	[Symbol]
LIGHTED WIND CONE & SEGMENTED CIRCLE	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT (ARP)	[Symbol]	[Symbol]
CONTOURS	[Symbol]	[Symbol]
PRECISION APPROACH PATH INDICATOR (PAPI)	[Symbol]	[Symbol]
HOLD LINES & SIGNS	[Symbol]	[Symbol]
AWOS	[Symbol]	[Symbol]
SECURITY GATE	[Symbol]	[Symbol]
TAXIWAY SHOULDERS	[Symbol]	[Symbol]
TAXIWAY EDGE SAFETY MARGIN	[Symbol]	[Symbol]
TAXIWAY OBJECT FREE AREA	[Symbol]	[Symbol]
TAXIWAY SAFETY AREA	[Symbol]	[Symbol]
DEVELOPMENT AREA	[Symbol]	[Symbol]
OBSTRUCTION LIGHT	[Symbol]	[Symbol]

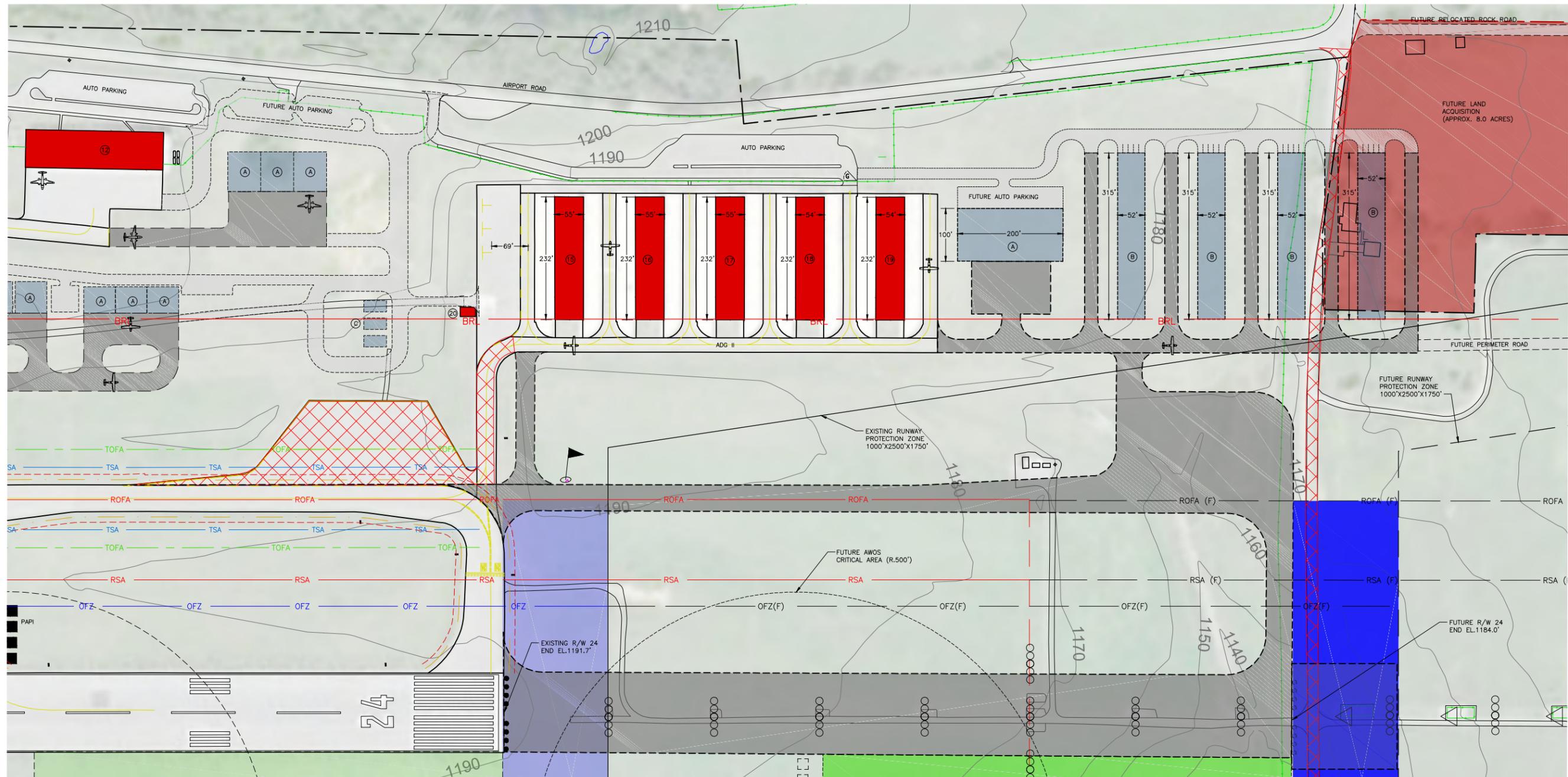
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TERMINAL AREA DRAWING - CENTRAL

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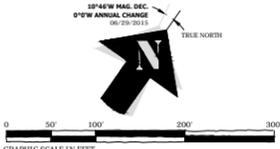
AIRPORT DATA		
	EXISTING	FUTURE
AIRPORT ELEVATION (AMSL) NAVD 88	1,231.2'	SAME
AIRPORT REFERENCE POINT (ARP) NAD 83	LAT. 40°51'0.04"N LON. 77°50'51.30"W	LAT. 40°51'04.53"N LON. 77°50'43.53"W
COUNTY	CENTRE	SAME
MEAN MAX. TEMPERATURE (HOTTEST MONTH)	85°	SAME
COMBINED WIND COVERAGE (10.5kt, 13kt, 16kt, 20kt)	94.38%/97.12%/99.16%/99.82%	SAME
MAGNETIC VARIATION (DATE)	0°22'W (JAN 2015)	SAME
AIRPORT REFERENCE CODE	C-III	D-IV
PENNSYLVANIA STATEWIDE AIRPORT SYSTEM ROLE	ADVANCED	SAME
CRITICAL AIRCRAFT	BOEING 737-900	BOEING 757-300
NPIAS SERVICE LEVEL	COMMERCIAL/PRIMARY	SAME
TAXIWAY LIGHTING	MFL	SAME
TAXIWAY MARKING	YES	SAME
AIRPORT & TERMINAL NAVAIDS	ROT BEACON REILS, PAPI-4, AWOS, MALSR, SEG. CIRCLE, ILS, GPS, WINDCONE	SAME

BUILDING LEGEND		
NO.	DESCRIPTION	TOP ELEVATION
12	PSU HANGAR	1248.2'
15	HANGAR "M"	1204.0'
16	HANGAR "N"	1203.2'
17	HANGAR "O"	1202.1'
18	HANGAR "P"	1201.8'
19	HANGAR "Q"	1200.8'
20	SELF SERVE FUEL FACILITY	1194.9'
A	FUTURE CORPORATE FACILITIES	
B	FUTURE T-HANGARS	
C	FUTURE FUEL FACILITY	

NOTES

- THIS DRAWING REFLECTS PLANNING STANDARDS SPECIFIC TO THIS AIRPORT, AND IS NOT A PRODUCT OF DETAILED ENGINEERING DESIGN ANALYSIS. IT IS NOT INTENDED TO BE USED FOR CONSTRUCTION DOCUMENTATION OR NAVIGATION.
- EXISTING COORDINATES AND ELEVATIONS TAKEN FROM FAA WEBSITE: http://onwww.fcc.gov/pis/dotshet_prd/pdg_airport/PRO_AIRPORT_RUNWAY%_crl_num=3111 (JANUARY, 2015)
- ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.

REVISIONS				
NO.	ITEM	BY	DATE	



DRAWING LEGEND		
	EXISTING	FUTURE
AIRPORT PROPERTY LINE		
AIRPORT BUILDINGS		
AIRPORT BUILDINGS (to be removed)		
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT/ROADWAY (to be removed)		
PAVED ROADS		
RUNWAY PROTECTION ZONE		
BUILDING RESTRICTION LINE		
RUNWAY SAFETY AREA		
RUNWAY OBJECT FREE AREA		
OBJECT FREE ZONE		
PRECISION OBJECT FREE ZONE		
RVR		
FENCE		
FUEL STORAGE AREA		
AIRFIELD BEACON		
WIND CONE		
LIGHTED WIND CONE & SEGMENTED CIRCLE		
AIRPORT REFERENCE POINT (ARP)		
CONTOURS		
PRECISION APPROACH PATH INDICATOR (PAPI)		
HOLD LINES & SIGNS		
AWOS		
RUNWAY END IDENTIFIER LIGHTS (REILS)		
THRESHOLD LIGHTS		
SECURITY GATE		
TAXIWAY SHOULDERS		
TAXIWAY EDGE SAFETY MARGIN		
TAXIWAY OBJECT FREE AREA		
TAXIWAY SAFETY AREA		
OBSTRUCTION LIGHT		

University Park Airport
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TERMINAL AREA DRAWING - EAST

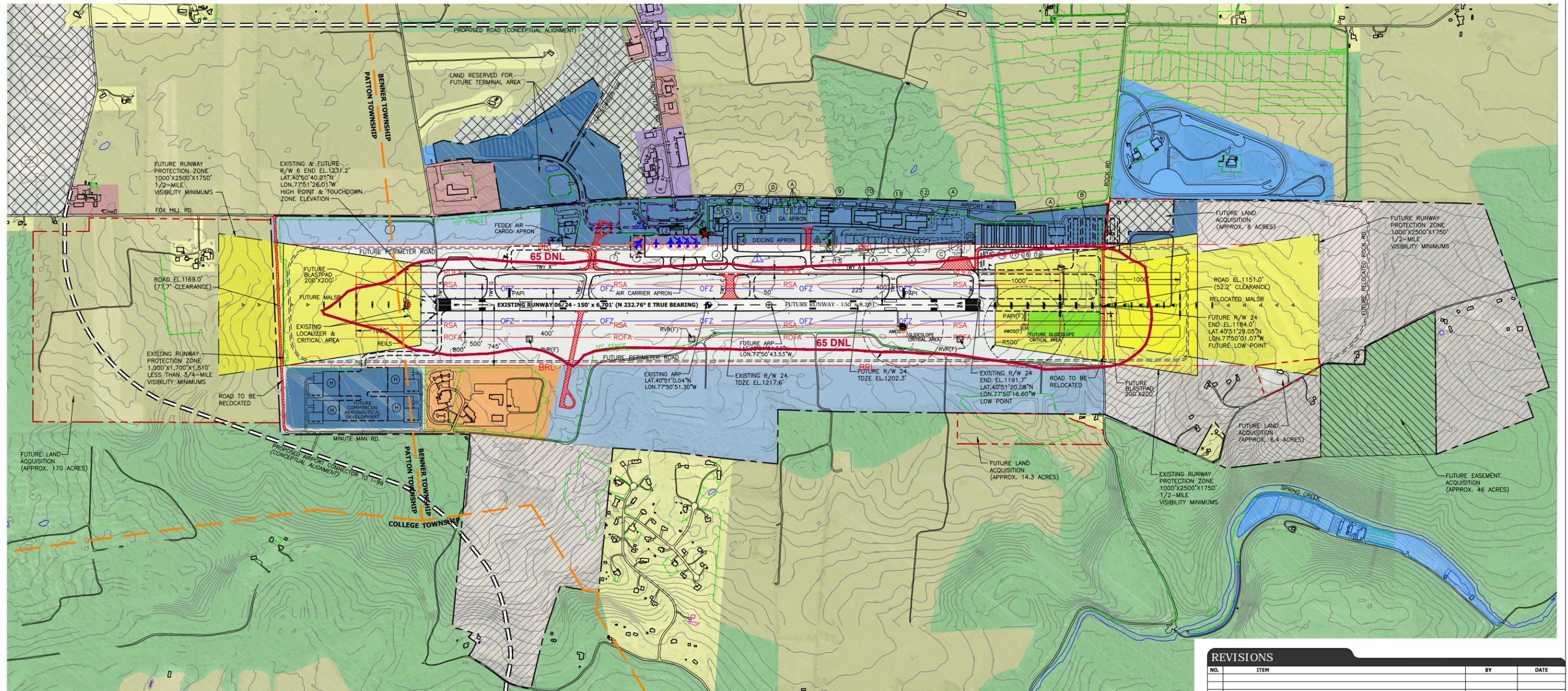
DATE
APR 2016

SCALE
1" = 100'

SHEET NO.
17 of 19

LANSING
 2605 Port Lansing Road
 Lansing, Michigan 48906
 517.321.8334

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REVISIONS			
NO.	ITEM	BY	DATE

NOTES

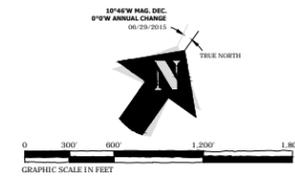
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ALL HORIZONTAL DATUM IS NAD83; ALL VERTICAL DATUM IS NAVD83.
- BASE DRAWING INFORMATION OBTAINED FROM SURVEY, 2013.

OFF-AIRPORT LAND USE

	Residential
	Agricultural
	Forest
	Miscellaneous
	Industrial
	Commercial
	Open Space

ON-AIRPORT LAND USE

	Runway Protection Zone
	Airport Operations Area
	Aviation-Related Development
	Reserved for Aviation
	Military Use
	Non-Aviation
	65 DNL Noise Contour



DRAWING LEGEND

	EXISTING	FUTURE
AIRPORT PROPERTY LINE		
AIRPORT BUILDINGS		
AIRPORT BUILDINGS (to be removed)		
AIRFIELD PAVEMENT		
AIRFIELD PAVEMENT/ROADWAY (to be removed)		
PAVED ROADS		
RUNWAY PROTECTION ZONE		
EASEMENT		
BUILDING RESTRICTION LINE		
RUNWAY SAFETY AREA		
RUNWAY OBJECT FREE AREA		
OBJECT FREE ZONE		
PRECISION OBJECT FREE ZONE		
GLIDESLOPE CRITICAL AREA		
RVR		
FENCE		N/A
FUEL STORAGE AREA		N/A
AIRPORT BEACON		N/A
WIND CONE		N/A
LIGHTED WIND CONE & SEGMENTED CIRCLE		N/A
AIRPORT REFERENCE POINT (ARP)		N/A
CONTOURS		
PRECISION APPROACH PATH INDICATOR (PAPI)		
HOLD LINES & SIGNS		N/A
AMOS		N/A
RUNWAY END IDENTIFIER LIGHTS (REILS)		
THRESHOLD LIGHTS		
STORM WATER MANAGEMENT		
MONUMENT		
OBSTRUCTION LIGHT		
TOWNSHIP LINE		

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State College, Pennsylvania

LAND USE DRAWING



DATE: APR 2016
 SCALE: 1" = 600'
 SHEET NO.: 18 of 19

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