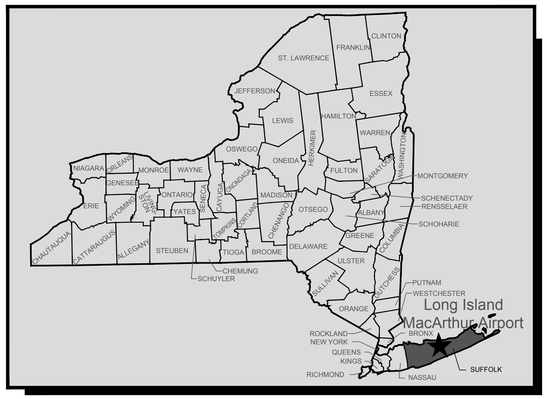
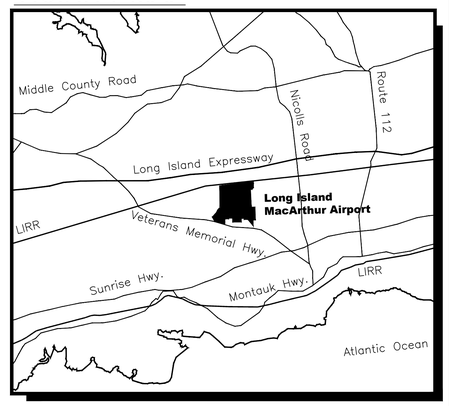
LOCATION MAP



AIRPORT LAYOUT PLAN
FOR
LONG ISLAND MacARTHUR AIRPORT
MARCH 2016

TOWN OF ISLIP
SUFFOLK COUNTY, NEW YORK

VICINITY MAP



INDEX OF SHEETS

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3	FUTURE AIRPORT LAYOUT PLAN	1, 2, 3, 4, 12/26/18
4	DATA SHEET	
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6	RUNWAY 24 APPROACH PLAN AND PROFILE	
7	RUNWAY 15R APPROACH PLAN AND PROFILE	
8	RUNWAY 33L APPROACH PLAN AND PROFILE	
9	RUNWAY 15L-33R APPROACH PLAN AND PROFILE	
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FAA DISCLAIMER

THE FAA'S APPROVAL OF THIS AIRPORT LAYOUT PLAN (ALP) REPRESENTS ACCEPTANCE OF THE GENERAL LOCATION OF FUTURE FACILITIES DEPICTED. DURING THE PRELIMINARY DESIGN PHASE, THE AIRPORT SPONSOR IS REQUIRED TO RESUBMIT FOR APPROVAL THE FINAL LOCATIONS, HEIGHTS AND EXTERIOR FINISH OF STRUCTURES. FAA CONCERN IS OBSTRUCTIONS, IMPACT ON ELECTRONIC AIDS OR ADVERSE EFFECT ON CONTROLLER VISIBILITY OF AIRCRAFT APPROACHES AND GROUND MOVEMENT AREAS, WHICH COULD ADVERSELY AFFECT THE SAFETY, EFFICIENCY OR UTILITY OF THE AIRPORT.

APPROVAL BLOCKS

FEDERAL AVIATION ADMINISTRATION

BY: _____

TITLE:_____ DATE:_____

NEW YORK STATE DEPARTMENT OF TRANSPORTATION AVIATION BUREAU

BY: _____

TITLE:_____ DATE:_____

LONG ISLAND MacARTHUR AIRPORT

BY: _____ DATE:_____

ROBERT SCHNEIDER
AIRPORT COMMISSIONER

LANDRUM AND BROWN

BY: _____ DATE:_____

MONICA L. GEYGAN
SENIOR MANAGING CONSULTANT

Revision Description	Date	By

ISP Long Island MacArthur Airport

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION
AIRPORT LAYOUT PLAN

SHEET TITLE
COVER SHEET

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

L&B JKL

SCALE NONE | CONTR. NO.

DATE MARCH 2016 | SHEET 1 of 23

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EXISTING FACILITY LEGEND

FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
1	TERMINAL BUILDING	118.0'
2	FBO OFFICES	+/- 95'
3	MAINTENANCE STORAGE BUILDING	+/- 100'
4	CONTROL TOWER	238.2'
5	AIRPORT RESCUE AND FIRE FIGHTING (ARFF)	99.1'
6	EFI SOUTH HANGARS	118.6'
7	ANG HANGAR	148.7'
8	WHITNEY HANGAR	122.7'
9	MID ISLAND HANGARS	117.5'
10	NOT USED	-
11	PUMP HOUSE AND RESERVOIR (SCWA)	98.5'
12	GTC HANGAR	132.8
13	FBO MAINTENANCE FACILITY (SHELTAIR)	102.2'
14	HANGAR 1 (CUSTOMS)	142.4'
15	INSULATED WIRE CO.	124.9'
16	FBO (SHELTAIR) HANGAR	+/- 120'
17	T-HANGARS - SHELT	+/- 120'
18	HANGAR - SHELT	132.5'
19	NOT USED	-
20	NOT USED	-
21	NOT USED	-
22	NOT USED	-
23	SUFFOLK COUNTY POLICE	131.1'
24	NOT USED	-
25	HAWTHORNE	148.0'
26	NOT USED	-
27	NOT USED	-
28	NOT USED	-
29	NOT USED	-
30	FAA TRANSMITTER SITE (RTR)	+/- 135'
31	NOT USED	-
32	HALSTEAD HANGARS	124.8'
33	NOT USED	-
34	FAA N.Y., A.R.T.C.C. SITE	+/- 120'
35	NOT USED	-
36	NOT USED	-
37	HOTEL (CLARION INN) A/P PROPERTY	107.2'
38	NOT USED	-
39	BANK A/P PROPERTY	+/- 110'
40	NOT USED	-
41	LIGHTING VAULT*	89.5'
42	AIRPORT MAINTENANCE BUILDING	+/- 105'
43	CAP BUILDING	+/- 102'
44	MAINTENANCE COMPLEX	+/- 105'
45	FBO (SHELTAIR) HANGAR	119.1'
46	SUFFOLK COUNTY POLICE HANGAR	124.0'
47	FAA AFSS BUILDING (ABANDONED)	100.0'
48	AEROSPACE AVIONICS	100.0'
49	RESOURCE RECOVERY FACILITY	170.5'
50	NOT USED	-
51	SWA FREIGHT	100.0'

* NOT INCLUDED IN OCTOBER 2013 SURVEY

Prefix & Suffix Usage

CA = Critical Area
GS = Glide Slope
LOC = Localizer
Disp Thold = Displaced Threshold
APP = Approach
DEP = Departure
DER = Departure End of Runway
DME = Distance Measuring Equipment
RVR = Runway Visual Range
VASI = Visual Approach Slope Indicator
PAPI = Precision Approach Slope Indicator
MM = Middle Marker
RSA = Runway Safety Area
OFA = Object Free Area
OFZ = Obstacle Free Zone
POFZ = Precision Obstacle Free Zone
RPZ = Runway Protection Zone
ASR = Aerial Surveillance Radar
DME = Distance Measuring Equipment
ASOS = Automated Surface Observing Systems
MALS = Med. Approach Lighting Systems
MALSR = Med. Instensity Approach Light System - Including R/W Alignment Indicator Lights
LCA = Localizer Critical Area
GSCA = Glideslope Critical Area

DRAWING LEGEND

EXISTING	ITEM
	PROPERTY LINE
	AOA SECURITY FENCE LINE
	TREELINE
80.0	CONTOUR LINE
	BUILDING ON AIRPORT PROPERTY
	BUILDING OFF AIRPORT PROPERTY
	RUNWAY OBJECT FREE AREA (ROFA)
	TAXIWAY OBJECT FREE AREA (TOFA)
	RUNWAY SAFETY AREA (RSA)
	TAXIWAY SAFETY AREA (TSA)
ROFZ	RUNWAY OBSTACLE FREE ZONE (ROFZ)
RVZ	RUNWAY VISUAL ZONE (RVZ)
OFZ	OBSTACLE FREE ZONE (OFZ)
	BUILDING RESTRICTION LINE (BRL)
POFZ	PRECISION OBSTACLE FREE ZONE (POFZ)
	RUNWAY PART 77 APPROACH SURFACE
	RUNWAY PROTECTION ZONE (RPZ)
	NAVAIDS
F	WINDCONE
	APPROACH LIGHTING SYSTEM
	AIRPORT REFERENCE POINT
	STORMWATER DETENTION BASINS
GSCA	GLIDESLOPE CRITICAL AREA
LCA	LOCALIZER CRITICAL AREA
85.0	ROADWAYS AND RAILWAY ELEVATIONS
AZ 2312	SURVEY MONUMENT

NOTES:

1. ALL TAXIWAYS ARE 75' WIDE UNLESS OTHERWISE NOTED. EXIT TAXIWAY WIDTH MAY VARY DEPENDING ON LOCATION AND DESIGN.
2. FOR ADDITIONAL INFORMATION, SEE SHEET 4 - DATA SHEET.
3. FOR PROPERTY INFORMATION SEE SHEET 21 - AIRPORT PROPERTY MAP.
4. MODIFICATION OF STANDARDS TABLE IS SHOWN ON SHEET 4 - DATA SHEET.
5. ELEVATIONS SHOWN ARE BASED ON VERTICAL DATUM NAVD 88.
6. COORDINATES SHOWN ARE BASED ON HORIZONTAL DATUM NAD 83.
7. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVEABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
8. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.

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1" = 400'
200 0 400
Graphic Scale in Feet

Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: EXISTING AIRPORT LAYOUT PLAN

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: 1" = 400' | CONTR. NO.

DATE: MARCH 2016 | SHEET: 2 of 23

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EXISTING FACILITY LEGEND

FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
1	TERMINAL BUILDING	118.0'
2	FBO OFFICES	+\- 95'
3	MAINTENANCE STORAGE BUILDING	+\- 100'
4	CONTROL TOWER	238.2'
6	EFI SOUTH HANGARS	118.6'
7	ANG HANGAR	148.7'
8	WHITNEY HANGAR	122.7'
9	MID ISLAND HANGARS	117.5'
10	NOT USED	-
11	PUMP HOUSE AND RESERVOIR (SCWA)	98.5'
12	GTC HANGAR	132.8'
13	FBO MAINTENANCE FACILITY (SHELTAIR)	102.2'
14	HANGAR 1 (CUSTOMS)	142.4'
15	INSULATED WIRE CO.	124.9'
16	FBO (SHELTAIR) HANGAR	+\- 120'
17	T-HANGARS - SHELT	+\- 120'
18	HANGAR - SHELT	132.5'
19	NOT USED	-
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24	NOT USED	-
25	HAWTHORNE	148.0'
26	NOT USED	-
27	NOT USED	-
28	NOT USED	-
29	NOT USED	-
30	FAA TRANSMITTER SITE (RTR)	+\- 135'
31	NOT USED	-
32	HALSTEAD HANGARS	124.8'
33	NOT USED	-
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35	NOT USED	-
36	NOT USED	-
37	HOTEL (CLARION INN) A/P PROPERTY	107.2'
38	NOT USED	-
39	BANK A/P PROPERTY	+\- 110'
40	NOT USED	-
41	LIGHTING VAULT*	89.5'
42	AIRPORT MAINTENANCE BUILDING	+\- 105'
43	CAP BUILDING	+\- 102'
44	MAINTENANCE COMPLEX	+\- 105'
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46	SUFFOLK COUNTY POLICE HANGAR	124.0'
47	FAA AFSS BUILDING (ABANDONED)	100.0'
48	AEROSPACE AVIONICS	100.0'
49	RESOURCE RECOVERY FACILITY	170.5'
50	NOT USED	-
51	SWA FREIGHT	100.0'

* NOT INCLUDED IN OCTOBER 2013 SURVEY

FUTURE FACILITY LEGEND - PHASE 1

FACILITY NO.	FACILITY DESCRIPTION
5	AIRPORT RESCUE & FIRE FIGHTING (ARFF)
54	HAWTHORNE (EXCELAIRE) HANGAR
55	MID ISLAND HANGAR

FUTURE FACILITY LEGEND - PHASE 3

FACILITY NO.	FACILITY DESCRIPTION
52	TERMINAL EXPANSION

FUTURE FACILITY LEGEND - ULT

FACILITY NO.	FACILITY DESCRIPTION
53	TERMINAL EXPANSION

Prefix & Suffix Usage

R = Relocated
TBR = To Be Relocated
CA = Critical Area
GS = Glide Slope
LOC = Localizer
Disp Thold = Displaced Threshold
APP = Approach
DEP = Departure
DER = Departure End of Runway
DME = Distance Measuring Equipment
RVR = Runway Visual Range
VASI = Visual Approach Slope Indicator
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ASOS = Automated Surface Observing Systems
MALS = Med. Approach Lighting Systems
MALSR = Med. Instensity Approach Light System Including R/W Alignment Indicator Lights
LCA = Localizer Critical Area
GSCA = Glideslope Critical Area

DRAWING LEGEND

ITEM	DESCRIPTION
	PROPERTY LINE
	AOA SECURITY FENCE LINE
	TREELINE
80.0	CONTOUR LINE
	BUILDING ON AIRPORT PROPERTY
	BUILDING OFF AIRPORT PROPERTY
	RUNWAY OBJECT FREE AREA (ROFA)
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	BUILDING RESTRICTION LINE (BRL)
POFZ	PRECISION OBSTACLE FREE ZONE (POFZ)
	RUNWAY PART 77 APPROACH SURFACE
	RUNWAY PROTECTION ZONE (RPZ)
	NAVAIDS
	WINDCONE
	APPROACH LIGHTING SYSTEM
	AIRPORT REFERENCE POINT
	STORMWATER DETENTION BASINS
GSCA	GLIDESLOPE CRITICAL AREA
LCA	LOCALIZER CRITICAL AREA
85.0	ROADWAYS AND RAILWAY ELEVATIONS
149	HIGH MAST UTILITY POLE
	PROPERTY RELEASE
A/2317	SURVEY MONUMENT

NOTES:

1. ELEVATIONS SHOWN ARE BASED ON VERTICAL DATUM NAVD 88.
2. COORDINATES SHOWN ARE BASED ON HORIZONTAL DATUM NAD 83.
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4. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.

PHASING LEGEND

	PHASE 1 (2013 -2018)	PHASE 2 (2018-2023)	PHASE 3 (2023-2033)	POST PLANNING (2033 - ULTIMATE)
PAVEMENT IMPROVEMENTS				
PROPOSED STRUCTURES				
PROPOSED RSA/ROFA				
PROPOSED RPZS				
PROPERTY INTEREST				
PROPOSED PROJECT AREAS				

APPROVALS SIGNATURE BLOCK

SIGNATURE DATE

Airport Owner

New York State DOT Official

APPROVED SUBJECT TO COMMENTS IN LETTER DATED

Manager, New York ADO

* SPECIAL NOTE *

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1" = 400'
200 0 400
Graphic Scale in Feet

TRUE NORTH
Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Revision Description	Date	By
4 PEN AND INK - RW 15R POWER SOURCE.	12/03/2018	JKL
CORRECTED FACILITY NAME,TOWER ANTENNA		
1 PEN AND INK - PARCEL 108 & 109 RELEASE.	11/16/2017	JKL
MAST POLE & PAPI		

ISP Long Island MacArthur Airport

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: FUTURE AIRPORT LAYOUT PLAN

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE 1" = 400' | CONTR. NO.

DATE MARCH 2016 | SHEET 3 of 23

L&B JKL

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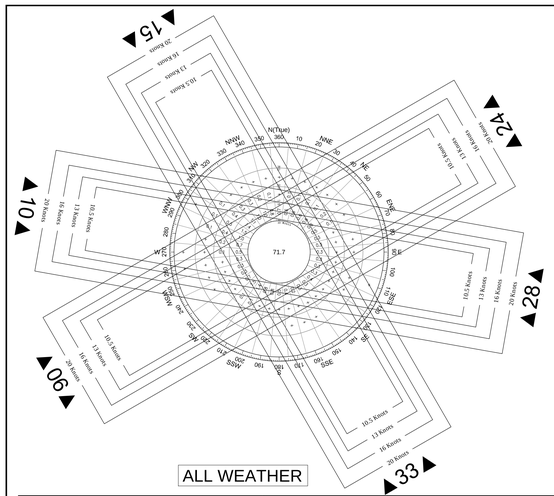
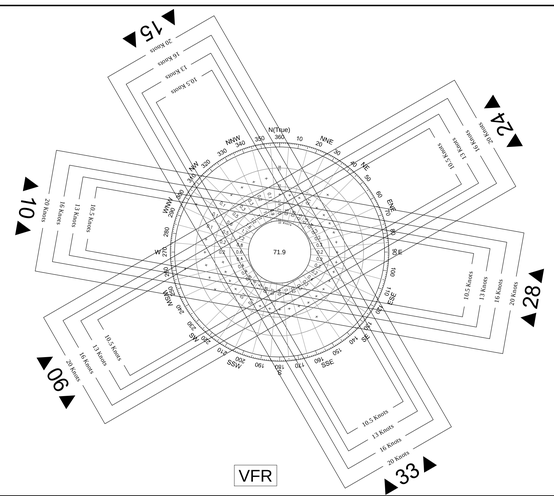
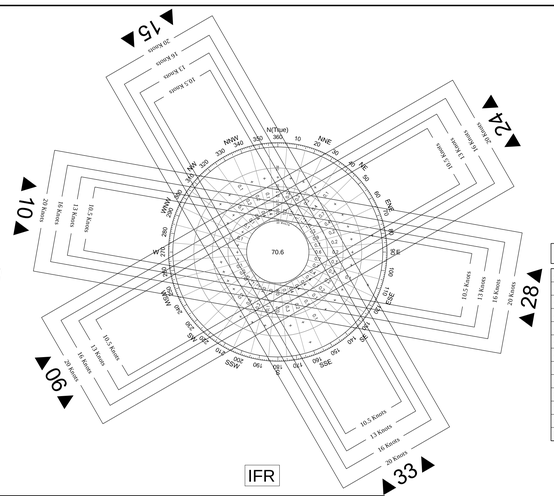


ALL WEATHER



VFR



IFR

Wind Analysis Notes:
A weather analysis was conducted to identify the conditions at Long Island McArthur Airport (ISP or Airport). The analysis was conducted to determine the wind coverage and meteorological conditions at the Airport. Runway magnetic headings and variance information was obtained from the latest Airport Diagram. The analysis restricted the tailwind component to three knots and calm winds were defined as 10.5 knots or less. Four separate scenarios were completed restricting the crosswind components to 10.5, 13, 16, and 20 knots on each runway. The analysis considered the entire day, 00:00-23:59. The analysis was conducted using the WIND36 runway-use program and applied aviation surface weather observations taken at ISP. The results of the analysis were based on 84,794 hourly observations taken between August 2001 and July 2010 which represents the last full 10 years of data available. The 84,794 observations are approximately 97 percent of the total possible observations. No patterns were observed in the missing data, such as missing an entire month or season. Therefore, it can be concluded that this data is a true representation of the weather conditions at ISP during the time period. This data was obtained from the National Oceanic and Atmospheric Administration (NOAA).

Percent Wind Coverage
In order to determine the percent wind coverage for individual runway directions and all runways combined, three scenarios for each crosswind component (10.5, 13, 16, and 20) were used for a total of twelve scenarios. The first group of scenarios assumed a preference of northeast/southwest flow (Runway 6/24), the second group assumed a preference of northwest/southeast flow (Runways 15R/33L and 15L/33R), and the third group assumed a preference of east/west flow (Runway 10/28). WIND36 was run for each of the scenarios. Table 1 shows the results of this analysis.

Historical Meteorological Conditions
The historical occurrence of meteorological conditions at ISP was calculated under several weather categories described in Table 2.
The historic occurrences for each weather category are given in Table 3.

Weather Categories	"Ceiling/Visability (Feet/Statute Miles or Feet of Runway Visual Range)"	Weather Occurrence	Runway 06				Runway 24				Runway 10				Runway 28				Runway 15				Runway 33				Total Combined (Any Runway)			
			10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts	10.5 kts	13 kts	16 kts	20 kts
All Weather		100.00%	54.04%	58.64%	60.93%	62.16%	64.83%	69.60%	72.32%	74.00%	51.52%	55.28%	57.16%	57.73%	71.48%	77.21%	80.02%	80.84%	55.57%	60.79%	62.84%	63.59%	70.91%	75.91%	77.85%	78.64%	99.49%	99.92%	99.99%	100.00%
VFR	≥ 1,000 and ≥ 3 miles	84.47%	52.51%	57.42%	59.81%	61.01%	66.45%	71.72%	74.69%	76.53%	48.60%	52.03%	53.59%	54.00%	75.09%	81.06%	83.80%	84.55%	53.07%	57.87%	59.67%	60.17%	74.30%	79.13%	80.92%	81.56%	99.61%	99.95%	100.00%	100.00%
IFR	< 1,000 or < 3 miles	15.53%	62.35%	65.28%	66.99%	68.38%	55.97%	58.09%	59.39%	60.24%	67.44%	72.96%	76.57%	78.06%	51.82%	56.24%	59.47%	60.69%	69.18%	76.68%	80.13%	82.17%	52.46%	58.36%	61.12%	62.77%	98.83%	99.73%	99.96%	100.00%
CAT I	≥ 200' and < 1,000' or ≥ 1/2 mile and < 3 miles	13.67%	62.65%	65.74%	67.51%	68.96%	52.73%	54.94%	56.35%	57.26%	66.83%	72.72%	76.54%	78.10%	49.29%	53.83%	57.15%	58.39%	67.26%	75.26%	78.97%	81.12%	51.42%	57.86%	60.78%	62.45%	98.94%	99.83%	99.98%	100.00%
CATII	≥ 100' and < 200' or ≥ 1/4 mile and <1/2 mile	1.48%	58.71%	60.30%	61.50%	62.13%	80.59%	81.94%	82.58%	82.90%	71.20%	74.30%	76.45%	77.25%	70.56%	74.22%	76.93%	77.80%	82.98%	87.19%	88.94%	90.21%	59.03%	61.26%	62.77%	64.20%	98.01%	99.05%	99.76%	100.00%
CAT III	< 100' (Zero) or <1/4 mile	0.38%	65.63%	68.13%	69.69%	71.88%	76.56%	78.44%	78.44%	79.38%	74.69%	76.56%	78.13%	80.00%	70.00%	72.81%	75.00%	76.88%	84.69%	86.88%	87.50%	88.44%	64.38%	65.31%	66.88%	68.44%	98.13%	98.75%	100.00%	100.00%

Table 1 - Percent Wind Coverage By Runway (All Weather Conditions)

Crosswind	06-24	10-28	15-33	All Runways
10.5 knots	86.50%	84.33%	88.70%	99.49%
13 knots	93.25%	90.78%	95.74%	99.92%
16 knots	97.09%	94.59%	98.69%	99.99%
20 knots	99.31%	96.59%	99.79%	100.00%

Table 2 - Weather Categories

Conditions	Cloud Ceiling Base (in feet AGL)		Surface Horizontal Visibility
ALL WEATHER	no restrictions		
IMC	≥1,000	and	≥3 miles
VMC	≥0 AND <1,000	or	≥0 miles and <3 miles
CAT I	≥ 200 and <1,000	or	1/2 to <3 miles (at least 2,400 feet RVR)
CAT II	>100 and <200	or	at least 1,200 feet RVR but no more than 2,400 feet RVR
CAT III	≥0 and <100	or	less than 1,200 feet RVR

AGL is above ground level.
VMC is visual meteorological conditions.
IMC is instrument meteorological conditions.
CAT I, CAT II, and CAT III represent divisions of IMC.
RVR is runway visual range in feet.

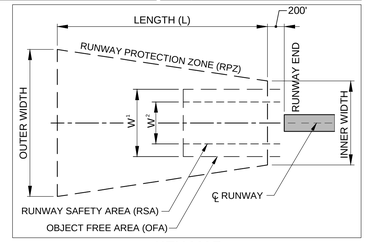
Source: FAA, Instrument Procedures Handbook (FAA-H-8261-1A), 2007.
Landrum & Brown analysis, 2013.

Table 3 - Percent Occurrence of Meteorological Conditions

Conditions	Percent Occurrence
VMC	84.47%
IMC	15.53%
CAT I	13.67%
CAT II	1.48%
CAT III	0.38%

Data Source: National Climatic Data Center, Asheville, N.C.
Period of Record: 8/1/2001 to 7/31/2010
No. of Observations: 84,794
Station: Long Island McArthur Airport

Notes:
- Columns may not sum to exactly 100 due to rounding
- Tailwind component is limited to 3 knots and below
- Wind data and runway crosswind boxes shown as true north
- Runway labels include magnetic declination



KEY MAP
N.T.S.

LEGEND OF TERMINOLOGY

AGL	Above Ground Level
ALS	Approach Lighting System
ARFF	Airport Rescue and Fire Fighting
ARP	Airport Reference Point
ASR	Airport Surveillance Radar
ASOS	Automated Surface Observation System
ATCT	Air Traffic Control Tower
BRL	Building Restriction Line - Based on 35' Ht
CA	Critical Area
CAT	Category of Instrument Approach
CL	Centerline
GS	Glide Slope
HIRL	High Intensity Runway Lights
ILS	Instrument Landing System
IM	Inner Marker
LOC	Localizer
MALS	Medium Intensity Approach Light System
MALSR	Medium Intensity Approach Light System incl. Runway Alignment Indicator Lights
MIRL	Medium Intensity Runway Lights
MITL	Medium Intensity Taxiway Lights
N/A	Not Applicable
MM	Middle Marker
NPI	Non-Precision Instrumentation
NPI-C	Non-Precision Instrumentation with Visibility Minimums Greater than 3/4 Mile
OFA	Object Free Area
OFA-E	Object Free Area - Extended
OL	Obstruction Light
OC	Obstruction Chart
OM	Outer Marker
PAPI	Precision Approach Path Indicator
PIR	Precision Instrument Approach
POFZ	Precision Obstacle Free Zone
RAIL	Runway Alignment Indicator Lights
REIL	Runway End Identifier Lights
RPZ	Runway Protection Zone
RSA	Runway Safety Area
RTR	Remote Transmitter Receiver
R/W	Runway
TESM	Taxiway Edge Safety Margin
TDZ	Touchdown Zone
TOFA	Taxiway Object Free Area
TSA	Taxiway Safety Area
T/W	Taxiway
VASI	Visual Approach Slope Indicator
WDI	Wind Direction Indicator
WSK	Windsock

RUNWAY DATA TABLE

RUNWAY DATA	RUNWAY 06 (EXISTING)	RUNWAY 06 (ULTIMATE)	RUNWAY 24 (EXISTING)	RUNWAY 24 (ULTIMATE)	RUNWAY 15R (EXISTING)	RUNWAY 15R (ULTIMATE)	RUNWAY 33L (EXISTING)	RUNWAY 33L (ULTIMATE)	RUNWAY 15L (EXISTING)	RUNWAY 15L (ULTIMATE)	RUNWAY 33R (EXISTING)	RUNWAY 33R (ULTIMATE)	RUNWAY 10 (EXISTING)	RUNWAY 28 (EXISTING)
RUNWAY DESIGN CODE (RDC)	D-IV-2400 D-IV-1800	D-IV-1200	D-IV-2400 D-IV-1800	D-IV-2400 D-IV-1800	D-IV-VIS	D-IV-VIS	D-IV-VIS	D-IV-VIS	B-II-VIS	B-II-VIS	B-II-VIS	B-II-VIS	B-IV-VIS	B-IV-VIS
RUNWAY REFERENCE CODE (RRC)	D/IV/2400 D/IV/1800	D/IV/1200	D/IV/2400 D/IV/1800	D/IV/2400 D/IV/1800	D/IV/VIS	D/IV/VIS	D/IV/VIS	D/IV/VIS	B/II/VIS	B/II/VIS	B/II/VIS	B/II/VIS	B/IV/VIS	B/IV/VIS
DESIGN AIRCRAFT	B757-200	B757-200	B757-200	B757-200	B757-200	B757-200	B757-200	B757-200	BEECH KING AIR	BEECH KING AIR	BEECH KING AIR	BEECH KING AIR		
RUNWAY END COORDINATES														
LATITUDE	плс пт^{t} мфlлфњђ	плс пт^{t} мфlлфњђ	плс пу^{t} луўлпрђ	плс пу^{t} луўлпрђ	плс пу^{t} лсѕсуљђ	плс пт^{t} оwїттнђ	плс пт^{t} мтїтсиђ	плс пт^{t} мтїтсиђ	плс пт^{t} рсlрнођ	плс пт^{t} рсlрнођ	плс пт^{t} опюпмђ	плс пт^{t} опюпмђ	плс пт^{t} ооlлфўђ	плс пт^{t} ооlлфўђ
LONGITUDE	тос лсt пп^{t}умсђ	тос лсt пп^{t}умсђ	тос лрt пlлплтђ	тос лрt орlусрђ	тос лсt нсюуђ	тос лсt нпбснлђ	тос лрt оуїтнсђ	тос лрt нлютђ	тос лрt рпмтфђ	тос лрt рпмтфђ	тос лрt нпфутђ	тос лрt нпфутђ	тос лсt нуўулпђ	тос лрt нююрпђ
RUNWAY LENGTH	7,006'	7,500'	7,006'	7,500'	5,186'	7,000'	5,186'	7,000'	3,175'	3,175'	3,175'	3,175'	5,034'	5,034'
RUNWAY WIDTH	150'	150'	150'	150'	150'	150'	150'	150'	75'	75'	75'	75'	150'	150'
MAXIMUM ELEVATION (MSL)	92.3'	92.3'	98.7'	99.0'	98.5'	98.3'	78.5'	78.5'	91.2'	91.2'	81.4'	81.4'	90.2'	82.2'
EFFECTIVE RUNWAY GRADIENT (%)	0.10%	0.10%	0.10%	0.10%	0.40%	0.40%	0.40%	0.40%	0.30%	0.30%	0.30%	0.30%	0.20%	0.20%
MAXIMUM GRADE CHANGE	-1.64%	-1.64%	-1.64%	-1.64%	-1.38%	-1.38%	-1.38%	-1.38%	-2.13%	-2.13%	-2.13%	-2.13%	-1.22%	-1.22%
PERCENT WIND COVERAGE (IFR/VFR)	97.69% / 96.85%	97.69% / 96.85%	97.69% / 96.85%	97.69% / 96.85%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.65% / 99.84%	96.90% / 99.33%	96.90% / 99.33%
RUNWAY SURFACE TYPE	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT / GROOVED	ASPHALT	ASPHALT	ASPHALT	ASPHALT	ASPHALT	ASPHALT
PAVEMENT STRENGTH :														
SINGLE WHEEL	100,000 LBS.	100,000 LBS.	100,000 LBS.	100,000 LBS.	100,000 LBS.	100,000 LBS.	100,000 LBS.	100,000 LBS.	25,000 LBS.	25,000 LBS.	25,000 LBS.	25,000 LBS.	32,000 LBS.	32,000 LBS.
DUAL WHEEL	210,000 LBS.	210,000 LBS.	210,000 LBS.	210,000 LBS.	170,000 LBS.	170,000 LBS.	170,000 LBS.	170,000 LBS.	N/A	N/A	N/A	N/A	56,000 LBS.	56,000 LBS.
DUAL TANDEM	300,000 LBS.	300,000 LBS.	300,000 LBS.	300,000 LBS.	300,000 LBS.	300,000 LBS.	300,000 LBS.	300,000 LBS.	N/A	N/A	N/A	N/A	92,000 LBS.	92,000 LBS.
PCN	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	55/F/B/X/U	19/F/B/X/U	19/F/B/X/U	19/F/B/X/U	19/F/B/X/U	19/F/B/X/U	19/F/B/X/U
RUNWAY LIGHTING	HIRL	HIRL	HIRL	HIRL	MIRL	MIRL	MIRL	MIRL	N/A	N/A	N/A	N/A	N/A	N/A
RUNWAY MARKING	PIR	PIR	PIR	PIR	NPI	NPI	NPI	NPI	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL
STAGE LENGTH	500 MILES	500 MILES	500 MILES	500 MILES	500 MILES	500 MILES	500 MILES	500 MILES	300 MILES	300 MILES	300 MILES	300 MILES	500 MILES	500 MILES
RUNWAY PROTECTION ZONE (RPZ)														
LENGTH (EXISTING)	2,500'	2,500'	2,500'	2,500'	1,700'	1,700'	1,700'	1,700'	1,000'	1,000'	1,000'	1,000'	1,000'	1,000'
INNER WIDTH (EXISTING)	1,000'	1,000'	1,000'	1,000'	500'	500'	1,000'	1,000'	500'	500'	500'	500'	500'	500'
OUTER WIDTH (EXISTING)	1,750'	1,750'	1,750'	1,750'	1,010'	1,010'	1,510'	1,510'	700'	700'	700'	700'	700'	700'
OBSTACLE FREE ZONE (OFZ)														
LENGTH BEYOND RUNWAY	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
WIDTH	400'	400'	400'	400'	400'	400'	400'	400'	250'	250'	250'	250'	400'	400'
PRECISION OBSTACLE FREE ZONE (POFZ)	200' x 800'	200' x 800'	200' x 800'	200' x 800'	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RUNWAY SAFETY AREA (RSA)														
LENGTH BEYOND RUNWAY (EXISTING)	495'	730'	595'	1,000'	944'	1,000'	1,000'	1,000'	300'	300'	300'	300'	549'	1,000'
WIDTH (EXISTING)	500'	500'	500'	500'	500'	500'	500'	500'	150'	150'	150'	150'	500'	500'
RUNWAY OBJECT FREE AREA (ROFA)														
LENGTH BEYOND RUNWAY	495'	730'	595'	1,000'	944'	1,000'	1,000'	1,000'	300'	300'	300'	300'	549'	1,000'
WIDTH	800'	800'	800'	800'	800'	800'	800'	800'	500'	500'	500'	500'	800'	800'
DISPLACED THRESHOLD	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
DISPLACED THRESHOLD ELEVATION (MSL)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
APPROACH SURFACE SLOPE	50:1	50:1	50:1	50:1	34:1	34:1	34:1	34:1	20:1	20:1	20:1	20:1	20:1	20:1
APPROACH TYPE	PIR	PIR	PIR	PIR	NPI	NPI	NPI	NPI	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL
APPROACH VISIBILITY MINIMUM	<3/4 MILE CAT I	<1/2 MILE CAT II	<3/4 MILE CAT I	<3/4 MILE CAT I	>1 MILE	>1 MILE	3/4 MILE	3/4 MILE	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL	VISUAL
AERONAUTICAL SURVEY REQUIRED FOR APPROACH	VERTICALLY GUIDED	VERTICALLY GUIDED	VERTICALLY GUIDED	VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED	NOT VERTICALLY GUIDED
RUNWAY DEPARTURE SURFACE	YES	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A	N/A	N/A	YES
VISUAL AND INSTRUMENT APPROACH AIDS	GS/LOC/VASI/ILS MALSR/MM	GS/LOC/VASI/ILS MALSR/MM	VASI/MALS/MM/ GS/LOC	VASI/MALS/MM/ GS/LOC	VASI	VASI	VASI	VASI	NONE	NONE	NONE	NONE	NONE	PAPI
TDZ ELEVATION	93.0'	93.0'	97.8'	99.0'	98.5'	98.3'	89.0'	82.0'	N/A	N/A	N/A	N/A	90.4'	83.1'

AIRPORT DATA TABLE

AIRPORT DATA	EXISTING	ULTIMATE
Airport Elevation (MSL) (NAVD 88)	98.7' MSL	99.0' (Est.)
Airport Reference Point (ARP) (NAD 83)		
• Latitude	N 40i 47' 42.88"	N 40i 47' 44.09"
• Longitude	W 73i 06' 00.86"	W 73i 05' 57.76"
Mean Max Temperature of Hottest Month	81.9 / July	81.9 / July
Airport Terminal Area NAVAIDS	ILS/VASI/PAPI/MALSR	ILS/VASI/PAPI/MALSR
Magnetic Variation	13.5° W	13.5° W
• Date of Magnetic Variation/Source	Nov. 2013/ NOAA	Nov. 2013/NOAA
NPIAS Service Level	Commercial Service	Commercial Service
Wind Coverage Crosswind Component		
• VFR	100.00%	100.00%
• IFR	99.99%	99.99%
• All Weather	99.98%	99.98%
Airport Reference Code (ARC)	D-IV	D-IV
Critical Aircraft	B-737-700 w/ Winglets	B-737-700 w/Winglets
• Wing Span	117.5'	117.5'
• Length	110.2'	129.6'
• Approach Speed	130 Knots	142 Knots
Taxiway Lighting	MITL's	MITL's
Taxiway Marking	BASIC	BASIC
Miscellaneous Facilities	Windcones w/ ASOS, Anemometer	BASIC

SAFETY AREA REQUIREMENTS (PER FAA AC150/5300-13A)*

RUNWAY THRESHOLD	RPZ LENGTH	RPZ INNER WIDTH	RPZ OUTER WIDTH	ROFA LENGTH	ROFA WIDTH (W1)	RSA LENGTH	RSA WIDTH (W2)	ROFZ LENGTH	ROFZ WIDTH
06	2,500'	1,000'	1,750'	1,000'	800'	1,000'	500'	200'	400'
ULTIMATE 6	2,500'	1,000'	1,750'	1,000'	800'	1,000'	500'	200'	400'
24	2,500'	1,000'	1,750'	1,000'	800'	1,000'	500'	200'	400'
ULTIMATE 24	2,500'	1,000'	1,750'	1,000'	800'	1,000'	500'	200'	400'
15R	1,700'	500'	1,010'	1,000'	800'	1,000'	500'	200'	400'
ULTIMATE 15R	1,700'	500'	1,010'	1,000'	800'	1,000'	500'	200'	400'
33L	1,700'	1000'	1,510'	1,000'	800'	1,000'	500'	200'	400'
ULTIMATE 33L	1,700'	1000'	1,510'	1,000'	800'	1,000'	500'	200'	400'
15L	1,000'	500'	700'	300'	500'	300'	150'	200'	250'
ULTIMATE 15L	1,000'	500'	700'	300'	500'	300'	150'	200'	250'
33R	1,000'	500'	700'	300'	500'	300'	150'	200'	250'
ULTIMATE 33R	1,000'	500'	700'	300'	500'	300'	150'	200'	250'
10	1,000'	500'	700'	1,000'	800'	1,000'	500'	200'	250'
28	1,000'	500'	700'	1,000'	800'	1,000'	500'	200'	250'

* SEE RUNWAY DATA TABLE FOR ACTUAL EXISTING DIMENSIONS

TAXIWAY SYSTEM

TAXIWAY NAME	WIDTH	LENGTH	LIGHTING	TSA	TOFA	TESM	SHOULDER WIDTH
A	75'	2,114'	N/A	171'	259'	15'	NONE
A1	75'	402'	N/A	171'	259'	15'	NONE
B	75'	4,837'	MITL	171'	259'	15'	NONE
B1	111'	412'	MITL	171'	259'	15'	NONE
B2	111'	413'	MITL	171'	259'	15'	NONE
B3	77'	413'	MITL	171'	259'	15'	NONE
B4	102'	427'	MITL	171'	259'	15'	NONE
C	75'	1,677'	MITL	171'	259'	15'	NONE
D	75'	2,732'	MITL	171'	259'	15'	NONE
D (ULTIMATE)	75'	3,610	MITL	171'	259'	15'	NONE
E	75'	3,340'	N/A	171'	259'	15'	NONE
F	104'	727'	N/A	171'	259'	15'	NONE
F (ULTIMATE)	75'	1,737'	N/A	171'	259'	15'	NONE
G	75'	2,975'	MITL	171'	259'	15'	NONE
H	40'	788'	N/A	79'	131'	7.5'	NONE
S	75'	5,030'	MITL	171'	259'	15'	NONE
W	75'	3,326'	N/A	171'	259'	15'	NONE
FUTURE TAXIWAY-EXISTING 10-28	75'	4,450'	N/A	171'	259'	15'	NONE
FUTURE TAXIWAY-PARALLEL TO 15L-33R	75'	1,966'	N/A	171'	259'	15'	NONE

NOTE:
1. SEE APPROACH PLAN AND PROFILE SHEETS FOR THRESHOLD SITING SURFACE (TSS) INFORMATION.
2. ELEVATIONS SHOWN ARE BASED ON VERTICAL DATUM NAVD 88.
3. COORDINATES SHOWN ARE BASED ON HORIZONTAL DATUM NAD 83.

DECLARED DISTANCES

RUNWAY END	LDA	LDA (ULTIMATE)	TORA	TORA (ULTIMATE)	TODA	TODA (ULTIMATE)	ASDA	ASDA (ULTIMATE)
06	7,006	7,500	7,006	7,500	7,006	7,500	7,006	7,500
24	7,006	7,500	7,006	7,500	7,006	7,500	7,006	7,500
15R	5,186	7,000	5,186	7,000	5,186	7,000	5,186	7,000
33L	5,186	7,000	5,186	7,000	5,186	7,000	5,186	7,000
15L	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175
33R	3,175	3,175	3,175	3175	3,175	3,175	3,175	3,175
10*	5,034	N/A	5,034	N/A	5,034	N/A	5,034	N/A
28*	5,034	N/A	5,034	N/A	5,034	N/A	5,034	N/A

* RUNWAY 10-28 WILL ULTIMATELY BE CONVERTED TO A TAXIWAY.

MODIFICATIONS TO STANDARDS

FAA STANDARD	MODIFICATION	APPRVD.
AC 150/5300-13A TABLE 3-4; PARALLEL TAXIWAY - REQ'D FOR RWY 6-24	MAINTAIN EXISTING CONDITIONS WITH PARTIAL PARALLEL TAXIWAYS G AND D (NORTH SIDE) AND TAXIWAYS A AND F (SOUTH SIDE)	PENDING

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: DATA SHEET

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: NONE | CONTR. NO.
DATE: MARCH 2016 | SHEET: 4 of 23

Y:\LIMA\Master Plan\E-L&B Work Product\1-CAD\ALP\ALP_E-TRANSMIT_10-21-2015\ISP-Sheet 04.dwg
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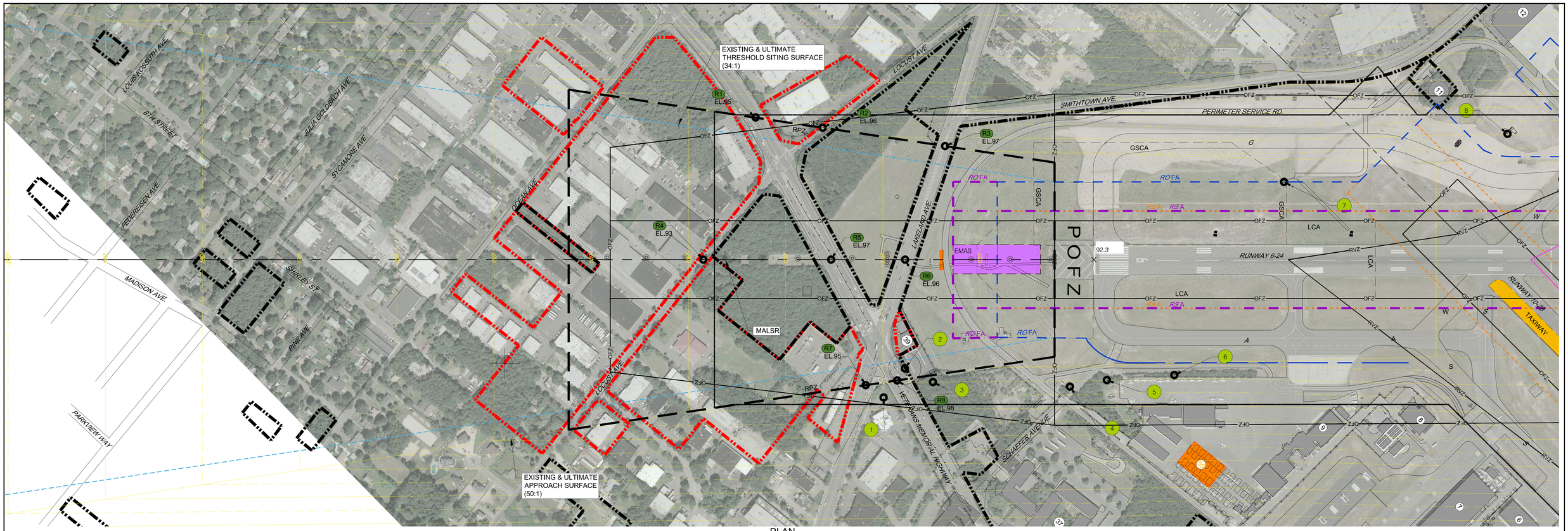
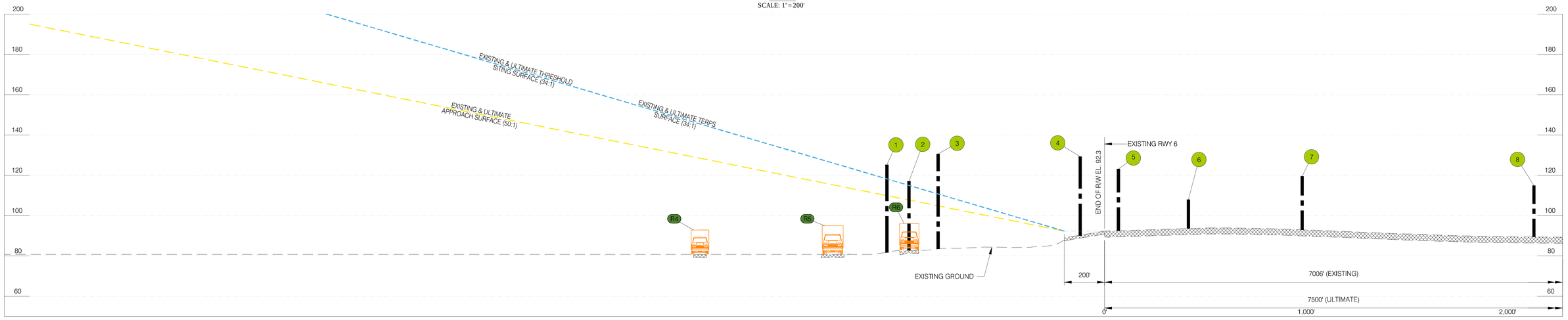


PLAN
SCALE: 1" = 200'



RUNWAY 6 CENTERLINE PROFILE
SCALE: HORIZ.: 1" = 200'
VERT.: 1" = 20'

EXISTING OBSTRUCTION ANALYSIS SUMMARY

	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITTING SURFACE ELEV. (FT)	THRESHOLD SITTING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ SURFACE ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
RUNWAY 6	1	FLAG POLE	125.2	44.2	1080.0	709R	121.0	4.2	TRANSITIONAL	N/A	-	N/A	-	242.8	-	OL TO BE ADDED
	2	TELEPHONE POLE	117.1	35.1	970.0	560R	107.7	9.3	APPROACH	N/A	-	N/A	-	215.7	-	OL TO BE ADDED
	3	TREE	130.6	47.6	826.0	630R	110.0	20.6	TRANSITIONAL	N/A	-	N/A	-	224.5	-	REMOVE/LOWER AS FUNDS ALLOW
	4	TREE	129.3	45.3	121.0	653R	114.2	15.1	TRANSITIONAL	N/A	-	N/A	-	215.8	-	REMOVE/LOWER AS FUNDS ALLOW
	5	TREE	123.1	38.1	-69.0	620R	109.9	13.3	TRANSITIONAL	N/A	-	N/A	-	210.3	-	REMOVE/LOWER AS FUNDS ALLOW
	6	TREE	108.0	24.0	-416.0	594R	107.3	0.7	TRANSITIONAL	N/A	-	N/A	-	206.3	-	REMOVE/LOWER AS FUNDS ALLOW
	7	OL GS 06	119.6	30.5	-980.0	400L	100.0	19.6	PRIMARY	N/A	-	N/A	-	174.5	-	FIXED BY FUNCTION
	8	POLE/WSK	114.9	24.8	-2130.0	647L	110.5	4.4	TRANSITIONAL	N/A	-	N/A	-	216.8	-	NO ACTION (FRANGIBLE BASE)

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

EXISTING FACILITY LEGEND

FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
6	EFI SOUTH HANGARS	118.6'
7	ANG HANGAR	148.7'
8	WHITNEY HANGAR	122.7'
9	MID ISLAND HANGARS	117.5'
11	PUMP HOUSE AND RESERVOIR (SCWA)	98.5'
12	GTC HANGAR	132.8
37	HOTEL (CLARION INN) A/P PROPERTY	107.2'
39	BANK A/P PROPERTY	+/- 110'

LEGEND:

RVZ	RVZ (EXISTING)
OFZ	OFZ (EXISTING)
	RSA (EXISTING)
	RSA (ULTIMATE)
	ROFA (EXISTING)
	ROFA (ULTIMATE)
	PART 77 (EXISTING)
	RPZ (EXISTING)
	THRESHOLD SITING (EX.)
	AIRPORT PROPERTY LINE
	FUTURE PROPERTY LINE
8	OBJECT ID
	OBJECT
R1	ROAD/RAILROAD ID
1	EXISTING FACILITY

TRUE NORTH
Declination 13.5° (November 2013)
Changing 0° 13' E. per year

Horiz. : 1" = 200'
100 0 200
Graphic Scale in Feet

Vert. : 1" = 20'
10 0 20
Graphic Scale in Feet

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 6 APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN | CONTR. NO.
DATE: MARCH 2016 | SHEET: 5 of 23

L&B JKL

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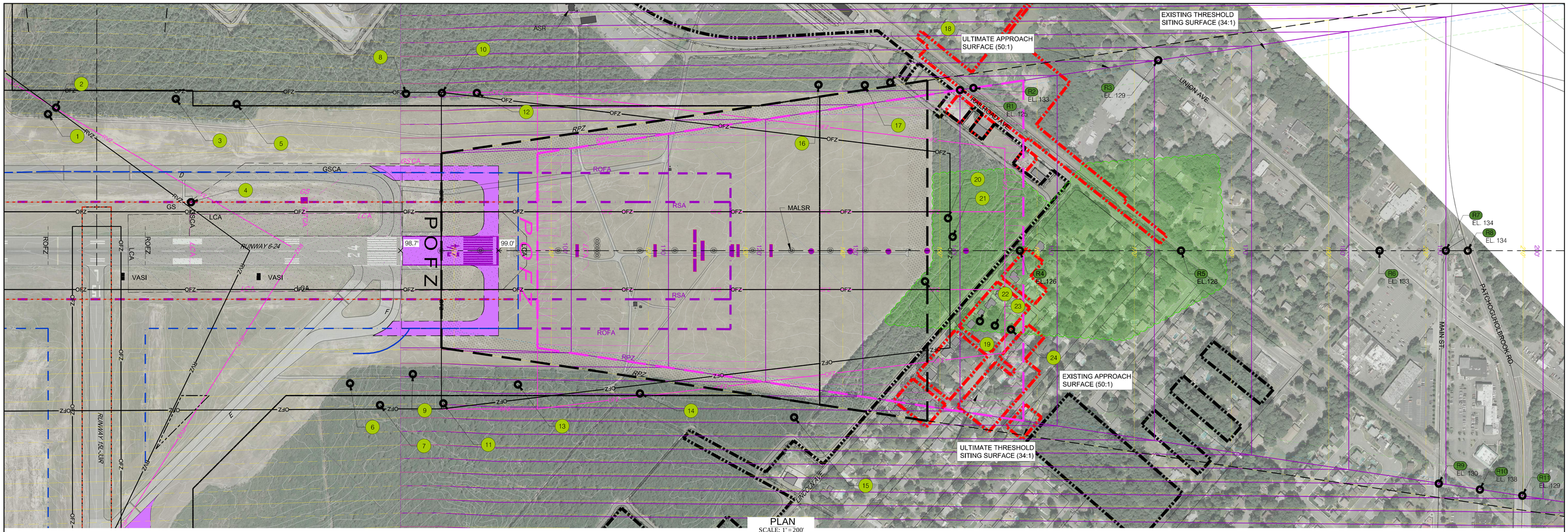
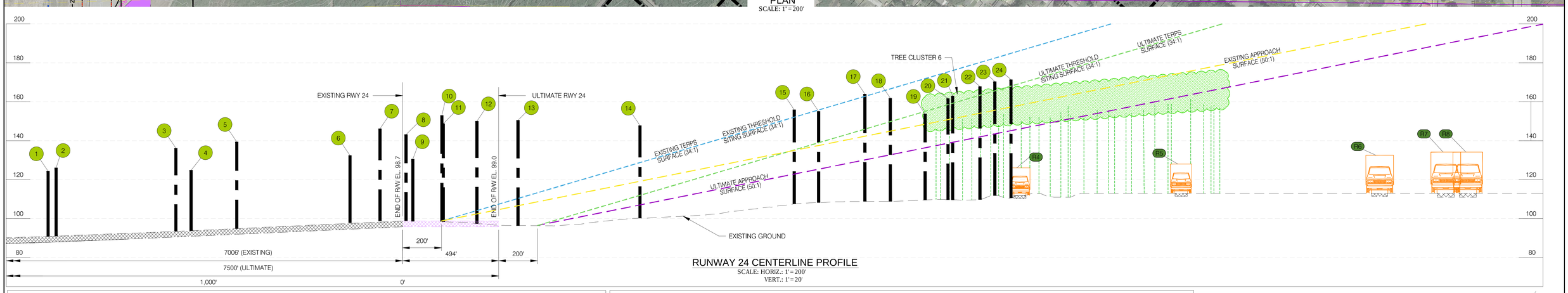


PLAN
SCALE: 1" = 200'



RUNWAY 24 CENTERLINE PROFILE
SCALE: HORIZ.: 1' = 200'
VERT.: 1' = 20'

EXISTING OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 24

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITING SURFACE ELEV. (FT)	THRESHOLD SITING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ SURFACE ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
1	TREE	124.3	40.3	-1824.0	702L	119.6	4.7	TRANSITIONAL	N/A	-	N/A	-	228.7	-	REMOVE/LOWER AS FUNDS ALLOW
2	TREE	126.0	41.9	-1782.0	735L	124.6	1.4	TRANSITIONAL	N/A	-	N/A	-	234.3	-	REMOVE/LOWER AS FUNDS ALLOW
3	TREE	136.2	45.2	-1166.0	781L	133.5	2.7	TRANSITIONAL	N/A	-	N/A	-	242.4	-	REMOVE/LOWER AS FUNDS ALLOW
4	OL GS 24	124.9	33.7	-1088.0	249L	100.0	24.9	PRIMARY	N/A	-	N/A	-	153.9	-	FIXED BY FUNCTION
5	TREE	139.4	45.6	-853.0	754L	131.1	8.3	TRANSITIONAL	N/A	-	N/A	-	238.2	-	REMOVE/LOWER AS FUNDS ALLOW
6	TREE	132.4	37.4	-196.0	682R	123.5	8.9	TRANSITIONAL	N/A	-	N/A	-	226.8	-	REMOVE/LOWER AS FUNDS ALLOW
7	TREE	146.2	56.2	18.0	794R	140.1	6.0	TRANSITIONAL	N/A	-	N/A	-	245.6	-	REMOVE/LOWER AS FUNDS ALLOW
8	TREE	143.2	40.2	53.0	807L	142.6	0.6	TRANSITIONAL	N/A	-	N/A	-	247.9	-	REMOVE/LOWER AS FUNDS ALLOW
9	TREE	130.5	38.4	203.0	635R	117.9	12.6	TRANSITIONAL	N/A	-	N/A	-	219.1	-	REMOVE/LOWER AS FUNDS ALLOW
10	TREE	153.0	49.8	210.0	811L	143.1	9.9	TRANSITIONAL	N/A	-	N/A	-	248.6	-	REMOVE/LOWER AS FUNDS ALLOW
11	TREE	148.8	56.3	230.0	785R	139.4	9.4	TRANSITIONAL	N/A	-	N/A	-	244.4	-	REMOVE/LOWER AS FUNDS ALLOW
12	TREE	150.0	46.6	382.0	811L	142.8	7.2	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
13	TREE	150.5	55.5	594.0	688R	125.0	25.5	TRANSITIONAL	N/A	-	N/A	-	235.9	-	REMOVE/LOWER AS FUNDS ALLOW
14	TREE	147.8	47.9	1222.0	735R	130.8	17.0	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
15	TREE	155.9	54.1	2016.0	857R	147.1	8.8	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
16	TREE	155.1	48.8	2141.0	853L	146.4	8.7	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
17	TREE	164.0	56.8	2379.0	851L	145.7	18.3	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
18	TREE	161.8	53.2	2509.0	865L	147.5	14.3	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
19	TREE CLUSTER 6	153.8	44.8	2689.0	158R	148.5	5.3	APPROACH	N/A	-	N/A	-	194.1	-	REMOVE/LOWER AS FUNDS ALLOW
20	TREE CLUSTER 6	161.4	52.0	2312.7	167L	151.0	1.4	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
21	TREE CLUSTER 6	162.5	52.9	2336.7	72L	151.5	11.0	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
22	TREE CLUSTER 6	166.3	56.34	2476.8	362R	164.3	12.0	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
23	TREE CLUSTER 6	169.7	59.7	2553.7	384R	155.9	13.8	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
24	TREE CLUSTER 6	172.3	62.25	2636.5	404R	157.5	14.7	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

ULTIMATE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 24

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITING SURFACE ELEV. (FT)	THRESHOLD SITING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ SURFACE ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
1	TREE	124.3	40.3	-2318.0	702L	119.6	4.7	TRANSITIONAL	N/A	-	N/A	-	228.4	-	REMOVE/LOWER AS FUNDS ALLOW
2	TREE	126.0	41.9	-2277.0	735L	124.6	1.4	TRANSITIONAL	N/A	-	N/A	-	234.0	-	REMOVE/LOWER AS FUNDS ALLOW
3	TREE	136.2	45.2	-1661.0	781L	133.5	2.7	TRANSITIONAL	N/A	-	N/A	-	242.1	-	REMOVE/LOWER AS FUNDS ALLOW
4	OL GS 24	124.9	33.7	-1582.0	249L	100.0	24.9	PRIMARY	N/A	-	N/A	-	153.5	-	FIXED BY FUNCTION
5	TREE	139.4	45.6	-1347.0	754L	131.1	8.3	TRANSITIONAL	N/A	-	N/A	-	237.9	-	REMOVE/LOWER AS FUNDS ALLOW
6	TREE	132.4	37.4	-690.0	682R	123.5	8.9	TRANSITIONAL	N/A	-	N/A	-	226.4	-	REMOVE/LOWER AS FUNDS ALLOW
7	TREE	146.2	56.2	-476.0	794R	140.1	6.0	TRANSITIONAL	N/A	-	N/A	-	245.1	-	REMOVE/LOWER AS FUNDS ALLOW
8	TREE	143.2	40.2	-441.0	807L	142.6	0.6	TRANSITIONAL	N/A	-	N/A	-	247.5	-	REMOVE/LOWER AS FUNDS ALLOW
9	TREE	130.5	38.4	-291.0	635R	117.9	12.6	TRANSITIONAL	N/A	-	N/A	-	218.7	-	REMOVE/LOWER AS FUNDS ALLOW
10	TREE	153.0	49.8	-284.0	811L	143.1	9.9	TRANSITIONAL	N/A	-	N/A	-	248.3	-	REMOVE/LOWER AS FUNDS ALLOW
11	TREE	148.8	56.3	-264.0	785R	139.4	9.4	TRANSITIONAL	N/A	-	N/A	-	244.0	-	REMOVE/LOWER AS FUNDS ALLOW
12	TREE	150.0	46.6	-112.0	811L	141.8	8.3	TRANSITIONAL	N/A	-	N/A	-	248.4	-	REMOVE/LOWER AS FUNDS ALLOW
13	TREE	150.5	55.5	100.0	688R	123.4	27.1	TRANSITIONAL	N/A	-	N/A	-	228.1	-	REMOVE/LOWER AS FUNDS ALLOW
14	TREE	147.8	47.9	727.0	735R	129.3	18.5	TRANSITIONAL	N/A	-	N/A	-	246.4	-	REMOVE/LOWER AS FUNDS ALLOW
15	TREE	155.9	54.1	1521.0	857R	145.6	10.3	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
16	TREE	155.1	48.8	1646.0	853L	144.9	10.2	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
17	TREE	164.0	56.8	1885.0	851L	144.3	19.7	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
18	TREE	161.8	53.2	2015.0	865L	146.1	15.8	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
19	TREE CLUSTER 6	153.8	44.8	2195.0	158R	136.4	17.4	APPROACH	N/A	-	N/A	-	178.4	-	REMOVE (2033-ULTIMATE)
20	TREE CLUSTER 6	161.4	52.0	2312.7	167L	150.8	10.6	APPROACH	161.1	0.29	161.1	0.29	N/A	-	REMOVE (2033-ULTIMATE)
21	TREE CLUSTER 6	162.5	52.9	2336.7	72L	151.3	11.2	APPROACH	161.8	0.65	161.8	0.65	N/A	-	REMOVE (2033-ULTIMATE)
22	TREE CLUSTER 6	166.3	56.34	2476.8	362R	154.1	12.2	APPROACH	166.0	0.38	166.0	0.38	N/A	-	REMOVE (2033-ULTIMATE)
23	TREE CLUSTER 6	169.7	59.7	2553.7	384R	155.7	14.0	APPROACH	168.2	1.47	168.2	1.47	N/A	-	REMOVE (2033-ULTIMATE)
24	TREE CLUSTER 6	172.3	62.25	2636.5	404R	157.3	14.9	APPROACH	170.7	1.58	170.7	1.58	N/A	-	REMOVE (2033-ULTIMATE)

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

LEGEND:

- RVZ — RVZ (EXISTING)
- RVZ — RVZ (ULTIMATE)
- OFZ — OFZ (EXISTING)
- OFZ — OFZ (ULTIMATE)
- RSA (EXISTING)
- RSA (ULTIMATE)
- ROFA (EXISTING)
- ROFA (ULTIMATE)
- PART 77 (EXISTING)
- PART 77 (ULTIMATE)
- RPZ (EXISTING)
- RPZ (ULTIMATE)
- THRESHOLD SITING (EX.)
- THRESHOLD SITING (ULT.)
- EXISTING TREES
- AIRPORT PROPERTY LINE
- FUTURE PROPERTY LINE
- 8 — OBJECT ID
- OBJECT
- R1 — ROAD/RAILROAD ID

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
4. SEE OBSTRUCTION DATA TABLE SHEETS FOR ADDITIONAL INFORMATION ON TREE CLUSTERS.

TRUE NORTH
Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Horiz. : 1" = 200'
100 0 200
Graphic Scale in Feet

Vert. 1" = 20'
10 0 20
Graphic Scale in Feet

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 24 APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN
DATE: MARCH 2016
CONTR. NO.
SHEET: 6 of 23

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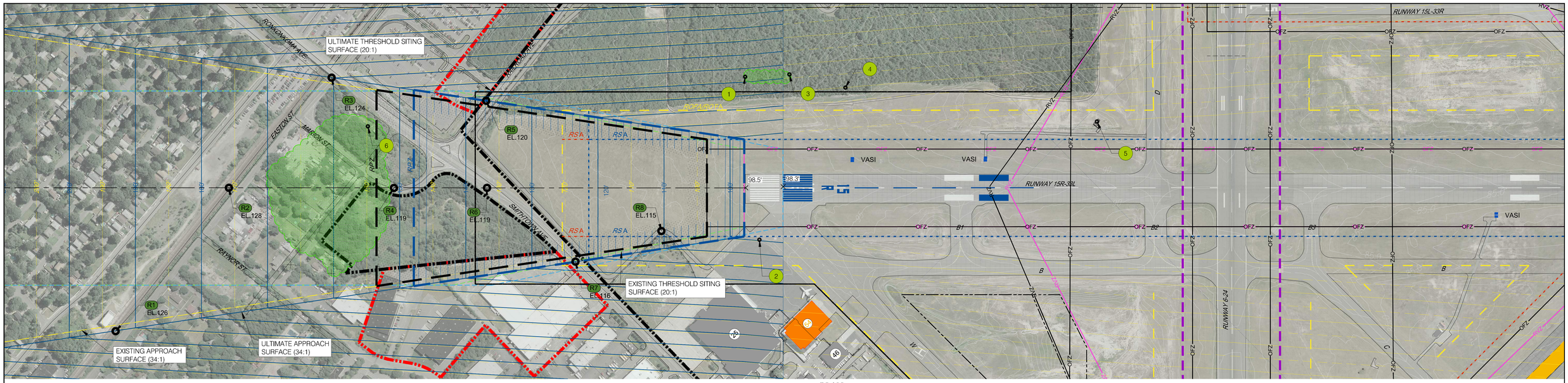
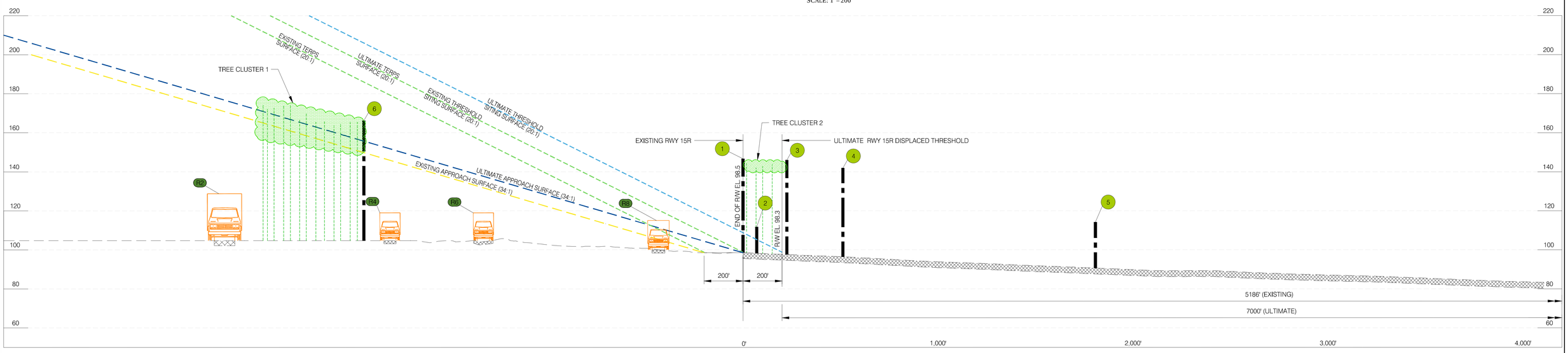


PLAN

SCALE: 1"=200'



RUNWAY 15R CENTERLINE PROFILE

SCALE: HORIZ.: 1'= 200'
VERT.: 1'= 20'

NO THRESHOLD SITING SURFACE PENETRATIONS

EXISTING OBSTRUCTION ANALYSIS SUMMARY

	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITTING SURFACE ELEV. (FT)	THRESHOLD SITTING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
RUNWAY 15R	1	TREE CLUSTER 2	146.8	48.3	0.0	572L	143.2	3.6	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	2	PRIMARY ROAD/MOVEABLE OBJECT	112.0	15.0	-70.0	267R	99.5	12.5	PRIMARY	N/A	-	N/A	-	249.0	-	NO ACTION (MOBILE OBJECT)
	3	TREE CLUSTER 2	146.0	47.3	-225.0	585L	142.4	3.6	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	4	TREE	142.0	48.1	-512.0	517L	129.5	12.5	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	5	OL WSK	114.2	27.2	-1849.0	342L	90.6	23.6	PRIMARY	N/A	-	N/A	-	249.0	-	NO ACTION (FRANGIBLE BASE)
	6	TREE CLUSTER 1	166.2	59.2	1944.3	316L	149.9	16.3	APPROACH	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	R8	PRIMARY ROAD/MOVEABLE OBJECT	101.0	15.0	455.0	231R	91.0	10.0	APPROACH	N/A	-	N/A	-	249.0	-	NO ACTION (MOBILE OBJECT)

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

ULTIMATE OBSTRUCTION ANALYSIS SUMMARY

	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITTING SURFACE ELEV. (FT)	THRESHOLD SITTING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
RUNWAY 15R	1	TREE CLUSTER 2	146.8	48.3	200.0	572L	143.9	2.9	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	2	PRIMARY ROAD/MOVEABLE OBJECT	112.0	15.0	130.0	267R	99.5	12.5	PRIMARY	N/A	-	N/A	-	249.0	-	NO ACTION (MOBILE OBJECT)
	3	TREE CLUSTER 2	146.0	47.3	-25.0	585L	142.4	3.6	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	4	TREE	142.0	48.1	-312.0	517L	129.5	12.5	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	5	OL WSK	114.2	27.2	-1649.0	342L	90.6	23.6	PRIMARY	N/A	-	N/A	-	249.0	-	NO ACTION (FRANGIBLE BASE)
	6	TREE CLUSTER 1	166.2	59.2	2144.3	316L	156.7	9.5	APPROACH	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	R8	PRIMARY ROAD/MOVEABLE OBJECT	101.0	15.0	665.0	231R	91.0	10.0	APPROACH	N/A	-	N/A	-	249.0	-	NO ACTION (MOBILE OBJECT)

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

EXISTING FACILITY LEGEND		
FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
25	EXECAIRE HANGAR	148.0'
46	SUFFOLK COUNTY POLICE HANGAR	124.0'

LEGEND:

- OFZ (EXISTING)
- OFZ (ULTIMATE)
- RVZ (EXISTING)
- RVZ (ULTIMATE)
- RSA (EXISTING)
- RSA (ULTIMATE)
- ROFA (EXISTING)
- ROFA (ULTIMATE)
- PART 77 (EXISTING)
- PART 77 (ULTIMATE)
- RPZ (EXISTING)
- RPZ (ULTIMATE)
- THRESHOLD SITING (EX.)
- THRESHOLD SITING (ULT.)
- EXISTING TREES
- AIRPORT PROPERTY LINE
- FUTURE PROPERTY LINE
- OBJECT ID
- OBJECT
- ROAD/RAILROAD ID
- EXISTING FACILITY

Horiz. : 1" = 200' (100 0 200 Graphic Scale in Feet)

Vert. : 1" = 20' (10 0 20 Graphic Scale in Feet)

Declination 13.5° (November 2013) Changing 0° 1.8'E. per year

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILROADS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
4. SEE OBSTRUCTION DATA TABLE SHEETS FOR ADDITIONAL INFORMATION ON TREE CLUSTERS.

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

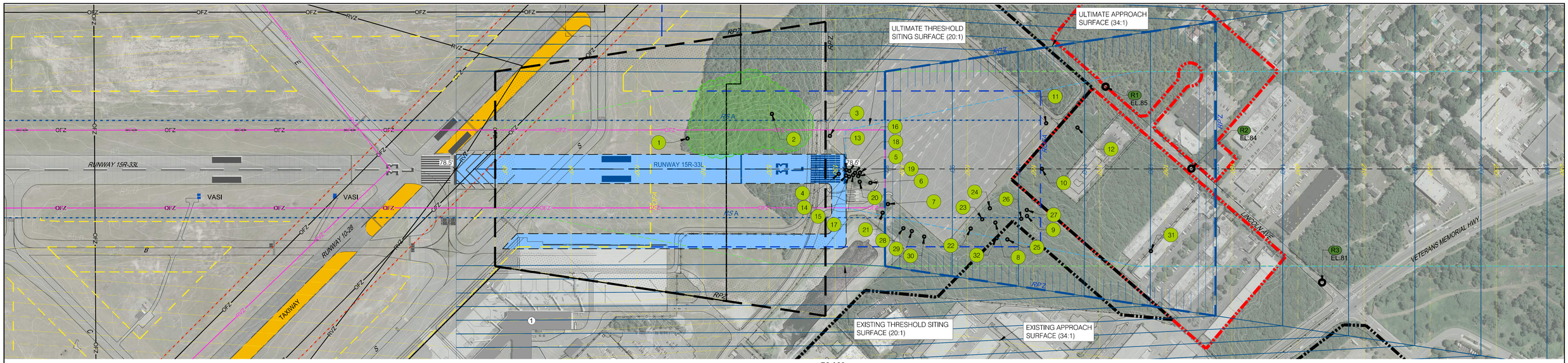
SHEET TITLE: RUNWAY 15R APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN | CONTR. NO.

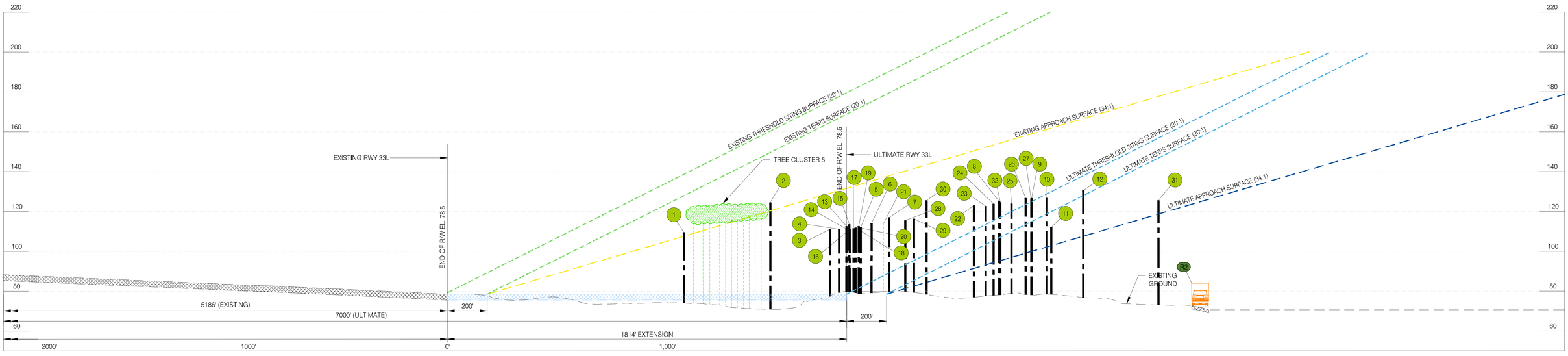
DATE: MARCH 2016 | SHEET: 7 of 23

L&B JKL



PLAN

SCALE: 1" = 200'



RUNWAY 33L CENTERLINE PROFILE

SCALE: HORIZ.: 1" = 200'
VERT.: 1" = 20'

EXISTING OBSTRUCTION ANALYSIS SUMMARY

	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITTING SURFACE ELEV. (FT)	THRESHOLD SITTING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ SURFACE ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
RUNWAY 33L	1	TREE CLUSTER 5	109.5	33.4	1190.0	156L	107.6	1.9	APPROACH	N/A	-	107.62	1.87	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	2	TREE CLUSTER 5	124.5	50.1	1624.0	282L	120.4	4.1	APPROACH	N/A	-	120.39	4.06	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	13	TREE	112.6	33.6	1.1	6R	103.9	8.7	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	14	TREE	111.2	32.2	-0.1	34R	102.0	9.2	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	15	TREE	113.6	34.6	14.9	40R	102.5	11.1	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	16	TREE	111.0	32.0	17.1	11R	102.5	8.5	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	17	TREE	111.5	32.5	35.9	32R	103.1	8.4	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	18	TREE	111.9	32.9	46.0	20R	103.4	8.5	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	19	TREE	112.6	33.6	62.3	37R	102.1	10.5	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	20	TREE	111.8	32.8	70.0	66R	104.1	7.7	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	21	TREE	114.0	39.0	187.3	225R	107.5	6.5	APPROACH	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

ULTIMATE OBSTRUCTION ANALYSIS SUMMARY

	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	FAR PART 77 SURFACE ELEV. (FT)	FAR PART 77 PENETRATION (FT)	FAR PART 77 SURFACE PENETRATED	THRESHOLD SITTING SURFACE ELEV. (FT)	THRESHOLD SITTING SURFACE PENETRATION (FT)	TERPS SURFACE ELEV. (FT)	TERPS SURFACE PENETRATION (FT)	OFZ SURFACE ELEV. (FT)	OFZ PENETRATION (FT)	ACTION
RUNWAY 33L	1	TREE CLUSTER 5	109.5	33.4	-822.0	156L	78.5	31.0	PRIMARY	N/A	-	N/A	-	78.5	31.0	REMOVE (2018-2023)
	2	TREE CLUSTER 5	124.5	50.1	-394.0	282L	78.5	46.0	PRIMARY	N/A	-	N/A	-	249.0	-	REMOVE (2018-2023)
	3	POLE	111.1	31.7	-83.0	170L	78.5	32.6	PRIMARY	84.0	27.2	N/A	-	78.5	32.6	RELOCATE (2018-2023)
	4	TREE	111.0	43.2	-38.0	25R	78.5	32.5	PRIMARY	86.2	24.8	N/A	-	78.5	32.5	REMOVE (2018-2023)
	5	TREE	112.4	33.6	71.0	20R	80.4	32.1	PRIMARY	91.6	20.8	80.4	32.1	78.5	33.9	REMOVE (2018-2023)
	6	TREE	113.9	35.1	125.0	71R	82.0	32.0	PRIMARY	94.4	19.5	82.0	32.0	78.5	35.4	REMOVE (2018-2023)
	7	TREE	116.7	37.7	214.0	180R	84.6	32.1	APPROACH	98.8	17.8	84.6	32.1	N/A	-	REMOVE (2018-2023)
	8	TREE	125.2	49.4	768.0	276R	100.9	24.4	APPROACH	N/A	-	100.9	24.4	N/A	-	REMOVE (2018-2023)
	9	TREE	126.7	49.7	930.0	242R	105.6	21.0	APPROACH	N/A	-	105.6	21.0	N/A	-	REMOVE (2018-2023)
	10	TREE	126.8	48.8	1008.0	0L	107.9	18.9	APPROACH	N/A	-	107.9	18.9	N/A	-	REMOVE (2018-2023)
	11	POLE	112.3	33.3	1029.0	234L	108.5	3.8	APPROACH	N/A	-	108.5	3.8	N/A	-	RELOCATE (2018-2023)
	12	TREE	130.5	56.5	1190.0	212L	113.3	17.2	APPROACH	N/A	-	113.3	17.2	N/A	-	REMOVE (2018-2023)
	13	TREE	112.6	33.6	1.1	6R	N/A	-	APPROACH	88.2	24.4	N/A	-	N/A	-	REMOVE (2018-2023)
	14	TREE	111.2	32.2	-0.1	34R	N/A	-	APPROACH	88.1	23.1	N/A	-	N/A	-	REMOVE (2018-2023)
	15	TREE	113.6	34.6	14.9	40R	78.7	34.9	APPROACH	88.9	24.7	78.7	34.9	N/A	-	REMOVE (2018-2023)
	16	TREE	111.0	32.0	17.1	11R	78.8	32.3	APPROACH	89.0	22.1	78.8	32.3	N/A	-	REMOVE (2018-2023)
	17	TREE	111.5	32.5	35.9	32R	79.3	32.2	APPROACH	89.9	21.6	79.3	32.2	N/A	-	REMOVE (2018-2023)
	18	TREE	111.9	32.9	46.0	20R	79.6	32.2	APPROACH	90.4	21.5	79.6	32.2	N/A	-	REMOVE (2018-2023)
	19	TREE	112.6	33.6	62.3	37R	80.1	32.5	APPROACH	91.2	21.4	80.1	32.5	N/A	-	REMOVE (2018-2023)
	20	TREE	111.8	32.8	70.0	66R	80.3	31.4	APPROACH	91.6	20.2	80.3	31.4	N/A	-	REMOVE (2018-2023)
	21	TREE	114.0	39.0	379.5	225R	83.8	30.3	APPROACH	97.5	16.6	83.8	30.3	N/A	-	REMOVE (2018-2023)
	22	TREE	123.0	46.0	832.7	307R	97.1	25.9	APPROACH	120.1	2.9	97.1	25.9	N/A	-	REMOVE (2018-2023)
	23	TREE	122.7	46.0	892.1	258R	98.9	23.8	APPROACH	N/A	-	98.9	23.8	N/A	-	REMOVE (2018-2023)
	24	TREE	123.8	47.0	931.7	202R	100.0	23.8	APPROACH	N/A	-	100.0	23.8	N/A	-	REMOVE (2018-2023)
	25	TREE	123.9	49.0	1021.7	362R	102.7	21.3	APPROACH	N/A	-	102.7	21.3	N/A	-	REMOVE (2018-2023)
	26	TREE	126.7	51.0	1093.2	256R	104.8	21.9	APPROACH	N/A	-	104.8	21.9	N/A	-	REMOVE (2018-2023)
	27	TREE	125.9	49.0	1121.5	211R	105.6	20.3	APPROACH	N/A	-	105.6	20.3	N/A	-	REMOVE (2018-2023)
	28	TREE	115.5	40.0	486.6	305R	86.9	28.5	APPROACH	N/A	-	86.9	28.5	N/A	-	REMOVE (2018-2023)
	29	TREE	116.3	41.0	530.0	320R	88.2	28.1	APPROACH	N/A	-	88.2	28.1	N/A	-	REMOVE (2018-2023)
	30	TREE	117.7	40.0	593.4	348R	90.1	27.6	APPROACH	N/A	-	90.1	27.6	N/A	-	REMOVE (2018-2023)
	31	TELEPHONE PYLON/POLE	125.6	52.0	1760.1	422R	124.4	1.2	APPROACH	N/A	-	124.4	1.2	N/A	-	REMOVE (2018-2023)
	32	TREE	124.5	49.5	965.7	356R	101.0	23.5	APPROACH	N/A	-	101.0	23.5	N/A	-	REMOVE (2018-2023)

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

NOTE:

1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTIONS SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILROADS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROAD).
4. SEE OBSTRUCTION DATA TABLE SHEETS FOR ADDITIONAL INFORMATION ON TREE CLUSTERS.

EXISTING FACILITY LEGEND

FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
1	TERMINAL BUILDING	118.0'

LEGEND:

OFZ	OFZ (EXISTING)
OFZ	OFZ (ULTIMATE)
RVZ	RVZ (EXISTING)
RVZ	RVZ (ULTIMATE)
RSA	RSA (EXISTING)
RSA	RSA (ULTIMATE)
ROFA	ROFA (EXISTING)
ROFA	ROFA (ULTIMATE)
PART 77	PART 77 (EXISTING)
PART 77	PART 77 (ULTIMATE)
RPZ	RPZ (EXISTING)
RPZ	RPZ (ULTIMATE)
THRESHOLD SITING (EX.)	THRESHOLD SITING (EX.)
THRESHOLD SITING (ULT.)	THRESHOLD SITING (ULT.)
EXISTING TREES	EXISTING TREES
AIRPORT PROPERTY LINE	AIRPORT PROPERTY LINE
FUTURE PROPERTY LINE	FUTURE PROPERTY LINE
8	OBJECT ID
	OBJECT
R1	ROAD/RAILROAD ID
1	EXISTING FACILITY

Declination 13.5° (November 2013)
Changing 0° 1.8'E. per year

Horiz. : 1" = 200'
100 0 200
Graphic Scale in Feet

Vert. : 1" = 20'
10 0 20
Graphic Scale in Feet

Revision Description	Date	By

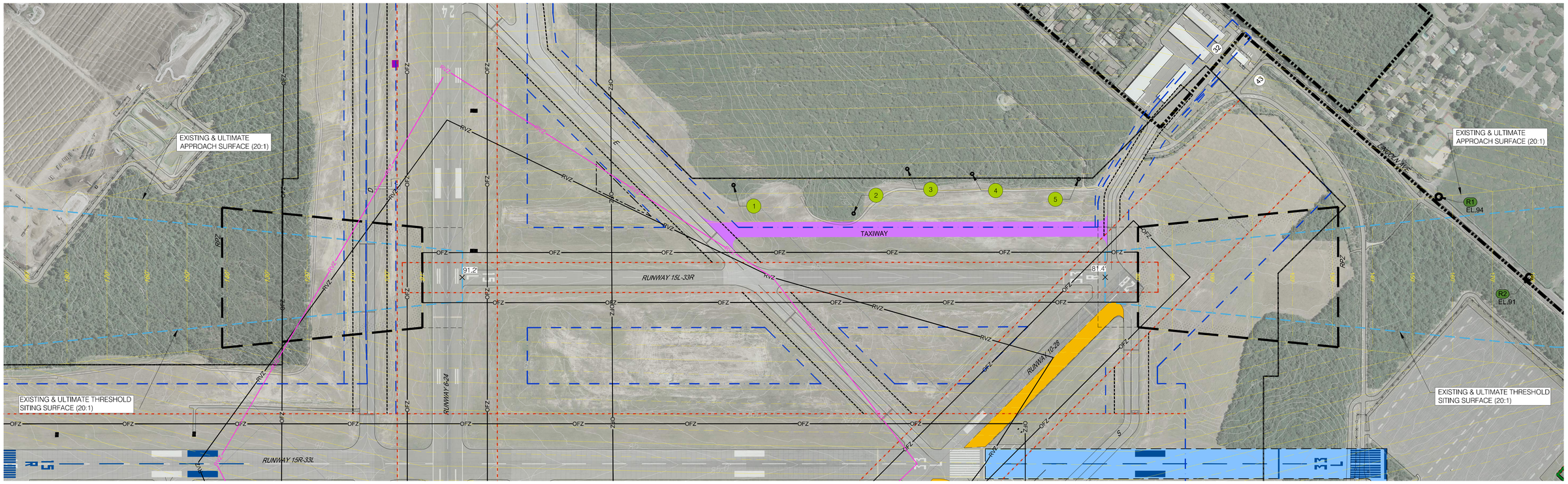
LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

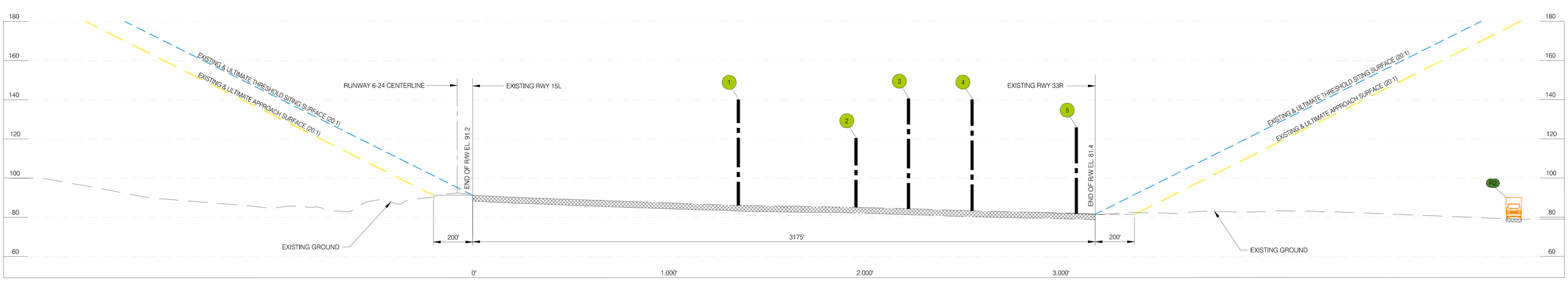
SHEET TITLE: RUNWAY 33L APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN
CONTR. NO.
DATE: MARCH 2016
SHEET: 8 of 23



PLAN
SCALE: 1" = 200'



RUNWAY 15L-33R CENTERLINE PROFILE

SCALE: HORIZ.: 1" = 200'
VERT.: 1" = 20'
NO THRESHOLD SITING SURFACE PENETRATIONS

EXISTING OBSTRUCTION ANALYSIS SUMMARY

							FAR PART 77			THRESHOLD SITTING SURFACE		TERPS SURFACE		OFZ		
	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE PENETRATED	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	ACTION
RUNWAY 15L	1	TREE	140.0	52.0	-1355.0	461L	116.3	23.7	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
RUNWAY 33R	2	TREE	120.4	40.4	-1220.0	319L	95.0	25.4	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	3	TREE	140.5	52.5	-952.0	541L	125.9	14.6	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	4	TREE	140.1	52.1	-628.0	516L	121.3	18.8	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW
	5	TREE	125.9	39.8	-96.0	490L	116.3	9.6	TRANSITIONAL	N/A	-	N/A	-	249.0	-	REMOVE/LOWER AS FUNDS ALLOW

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

EXISTING FACILITY LEGEND		
FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
32	HALSTEAD HANGARS	124.8'
43	CAP BUILDING	+/- 102'

LEGEND:	
OFZ	OFZ (EXISTING)
RVZ	RVZ (EXISTING)
RVZ	RVZ (ULTIMATE)
	RSA (EXISTING)
	ROFA (EXISTING)
	PART 77 (EXISTING)
	RPZ (EXISTING)
	THRESHOLD SITING (ULT.)
	AIRPORT PROPERTY LINE
8	OBJECT ID
	OBJECT
R1	ROAD/RAILROAD ID
1	EXISTING FACILITY

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
4. THERE ARE NO PENETRATIONS TO THE THRESHOLD SITING SURFACE (TSS).

Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Horiz. : 1" = 200'
100 0 200
Graphic Scale in Feet

Vert. : 1" = 20'
10 0 20
Graphic Scale in Feet

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION
AIRPORT LAYOUT PLAN

SHEET TITLE
RUNWAY 15L-33R APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE AS SHOWN
CONTR. NO.
DATE MARCH 2016
SHEET 9 of 23

L&B JKL

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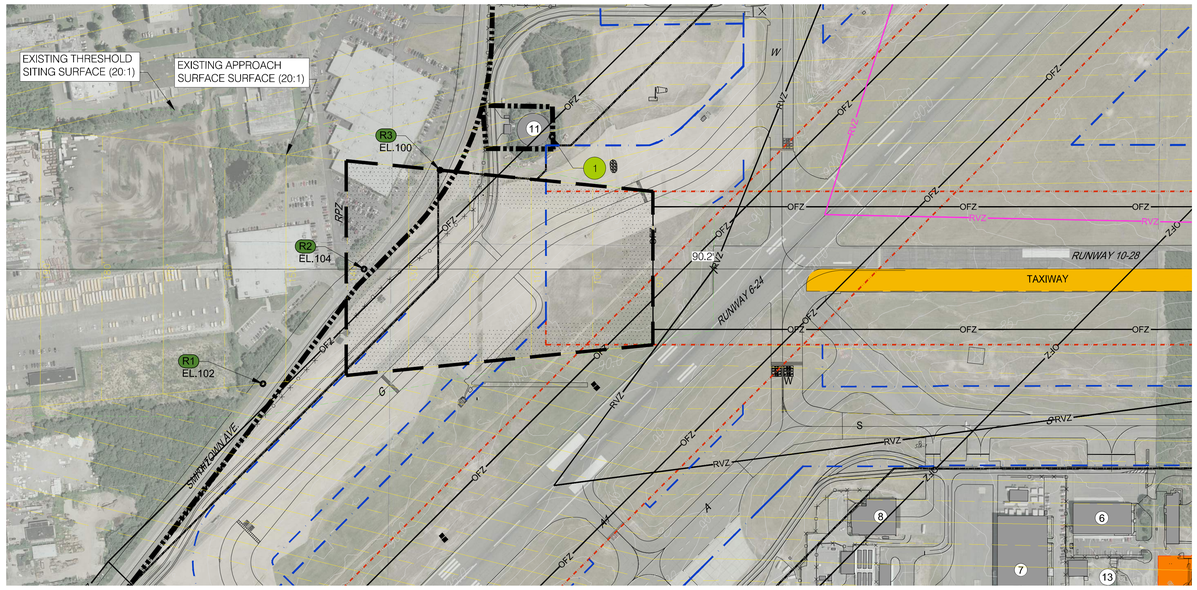
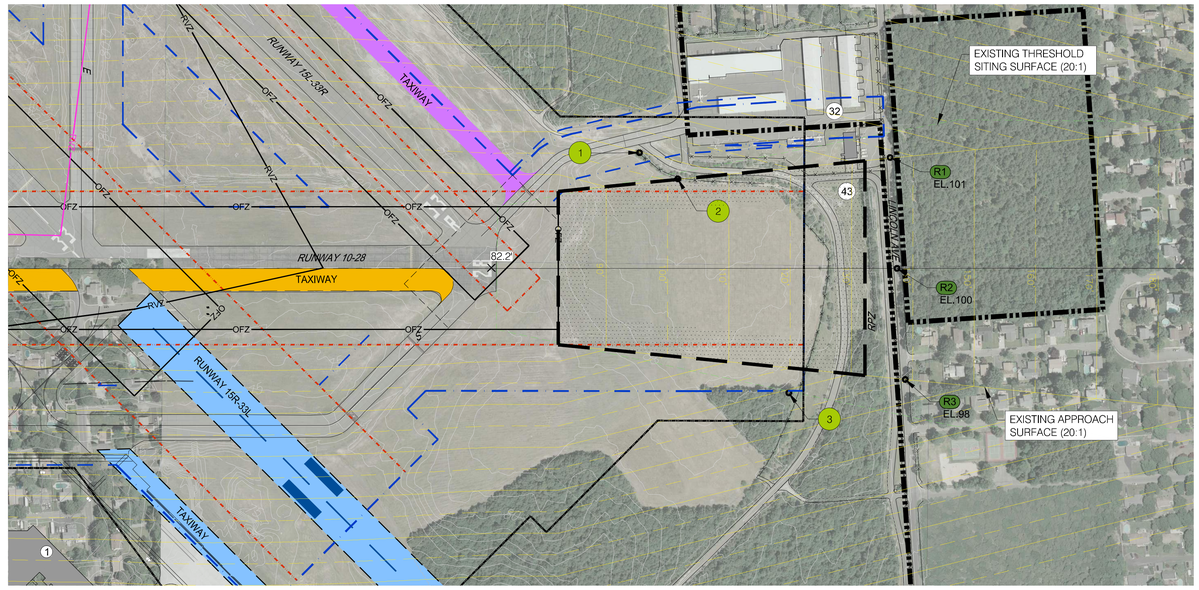
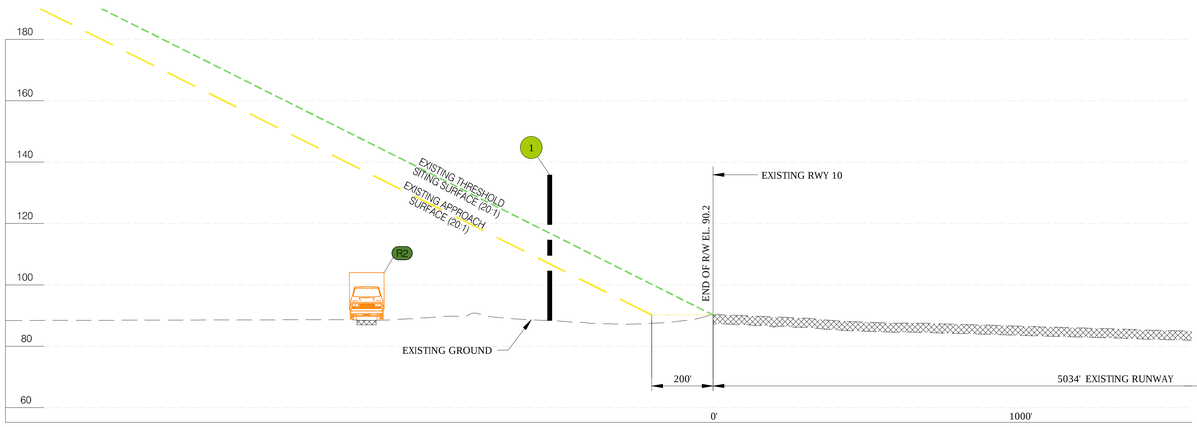


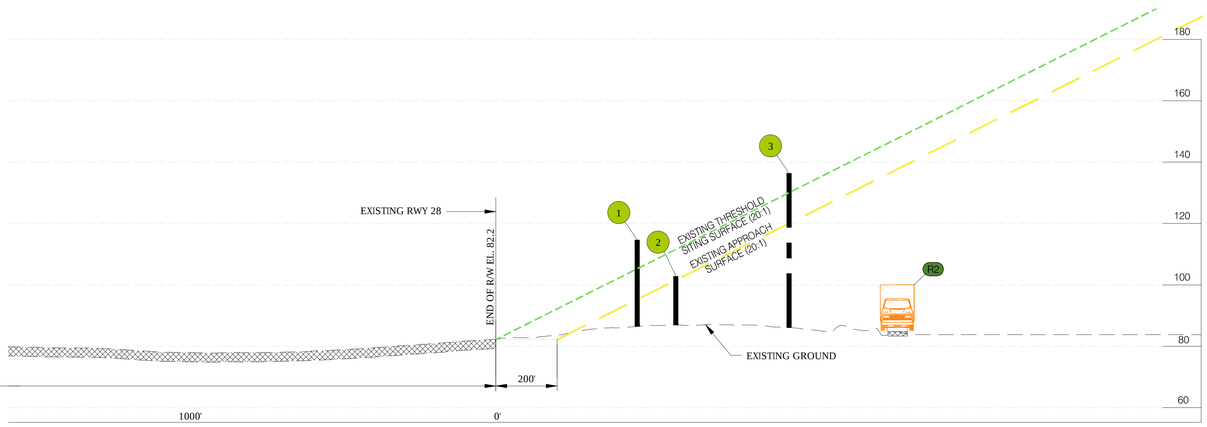
PLAN
SCALE: 1" = 200'



PLAN
SCALE: 1" = 200'



RUNWAY 10-28 CENTERLINE PROFILE
SCALE: HORIZ.: 1" = 200'
VERT.: 1" = 20'
NO THRESHOLD SITING SURFACE PENETRATIONS



RUNWAY 10-28 CENTERLINE PROFILE
SCALE: HORIZ.: 1" = 200'
VERT.: 1" = 20'
NO THRESHOLD SITING SURFACE PENETRATIONS

EXISTING OBSTRUCTION ANALYSIS SUMMARY

RUN WAY 10							FAR PART 77			THRESHOLD SITING SURFACE		TERPS SURFACE		OFZ		
	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE PENETRATED	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	ACTION
	1	TREE	135.8	44.0	533.0	427L	125.7	10.1	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

EXISTING OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 28							FAR PART 77			THRESHOLD SITING SURFACE		TERPS SURFACE		OFZ		
	OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	DIST. TO END	OFFSET	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE PENETRATED	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	SURFACE ELEV. (FT)	PENETRATION (FT)	ACTION
	1	TREE	114.6	27.4	461.0	376L	108.6	6.0	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	2	TREE	102.8	15.8	587.0	291L	102.0	0.8	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW
	3	TREE	136.3	52.8	956.0	407R	131.3	5.0	TRANSITIONAL	N/A	-	N/A	-	N/A	-	REMOVE/LOWER AS FUNDS ALLOW

N/A = OBSTRUCTION IS NOT WITHIN THE SURFACE LIMITS.

EXISTING FACILITY LEGEND

FACILITY No.	FACILITY DESCRIPTION	TOP OF STRUCTURE ELEV.
1	TERMINAL BUILDING	118.0'
6	EFI SOUTH HANGARS	118.6'
7	ANG HANGAR	148.7'
8	WHITNEY HANGAR	122.7'
11	PUMP HOUSE AND RESERVOIR (SCWA)	98.5'
13	FBO MAINTENANCE FACILITY (SHELTAIR)	102.2'
32	HALSTEAD HANGARS	124.8'
41	LIGHTING VAULT	89.5'
43	CAP BUILDING	+/- 102'

LEGEND:

OFZ	OFZ (EXISTING)
RVZ	RVZ (EXISTING)
RVZ	RVZ (ULTIMATE)
	RSA (EXISTING)
	ROFA (EXISTING)
	PART 77 (EXISTING)
	RPZ (EXISTING)
	THRESHOLD SITING (EXISTING)
	AIRPORT PROPERTY LINE
8	OBJECT ID
	OBJECT
R1	ROAD/RAILROAD ID
1	EXISTING FACILITY

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR ON THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILROADS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

Horiz. : 1" = 200' — 100 0 200 — Graphic Scale in Feet
Vert. : 1" = 20' — 10 0 20 — Graphic Scale in Feet

Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 10-28 APPROACH PLAN AND PROFILE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN | CONTR. NO.
DATE: MARCH 2016 | SHEET: 10 of 23

L&B JKL

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RUNWAY DATA

RUNWAY	DIMENSIONS	END ELEVATION	APPROACH	VISIBILITY MINIMUMS	APPROACH SLOPE
6-24	7,006' X 150'	92.3'/98.7'	CAT-IV / CAT-IV	< 3/4 MILE | < 3/4 MILE	50:1
10-28	5,034' X 150'	90.2'/82.2'	CAT-IV / CAT-IV	VISUAL | VISUAL	34:1
15L-33R	3,175' X 75'	91.2'/181.4'	CAT-II / CAT-II	VISUAL | VISUAL	20:1
15R-33L	5,186' X 150'	98.6'/178.5'	CAT-IV / CAT-IV	1 MILE | 3/4 MILE	34:1

NOTES:

1. ALL ELEVATIONS ARE IN MEAN SEA LEVEL (MSL) UNLESS NOTED OTHERWISE.
2. THE EXISTING AIRPORT ELEVATION IS 98.7-FEET (MSL).

SOURCES:

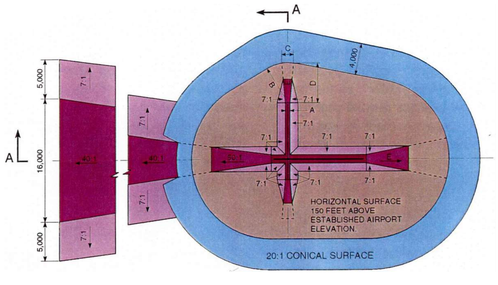
THE DEPICTED AIRPORT LAYOUT PLAN IS BASED ON GIS TOPOGRAPHY DATA AND OTHER SURFACES. BEFORE ANY ENGINEERING, DESIGN, OR CONSTRUCTION PROJECTS ARE UNDERTAKEN, THE EXACT LOCATION OF EXISTING FACILITIES SHOULD BE FIELD CHECKED AND VERIFIED.

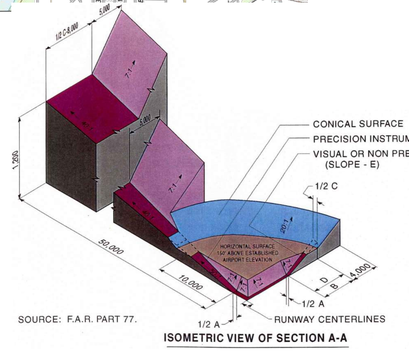
DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B C	B D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		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 ¾ MILE
VISIBILITY MINIMUMS AS LOW AS ¾ MILE
*-PRECISION INSTURMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

1" = 1500'
750 0 1500
Graphic Scale in Feet

TRUE NORTH
Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year





SOURCE: F.A.R. PART 77.

ISOMETRIC VIEW OF SECTION A-A

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: F.A.R. PART 77 SURFACES

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN | CONTR. NO.

DATE: MARCH 2016 | SHEET: 11 of 23

L&B JKL

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POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	SURFACE ELEVATION (FT)	DELTA (FT)	FAR PART 77 SURFACE PENETRATED	ACTION
13	1229715.07	233860.04	104.0	OCT 2013	151.51	TREE	149.40	2.10	R/W 15R APPROACH	REMOVE AS FUNDS ALLOW
16	1231109.55	233886.78	103.1	OCT 2013	151.52	TREE	151.07	0.45	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
117	1236009.03	230566.56	87.0	OCT 2013	152.40	TREE	148.98	3.42	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
144	1231115.57	233866.30	103.0	OCT 2013	152.74	TREE	149.44	3.31	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
180	1231199.30	233799.26	102.5	OCT 2013	153.08	TREE	150.12	2.96	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
215	1231018.43	233955.93	103.7	OCT 2013	153.35	TREE	149.92	3.43	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
271	1231049.90	233945.14	103.6	OCT 2013	154.04	TREE	151.73	2.32	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
364	1231030.18	233934.64	103.5	OCT 2013	155.25	TREE	148.74	6.51	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
411	1230413.31	234512.49	109.0	OCT 2013	155.87	TREE	152.74	3.12	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
519	1230975.43	232417.02	97.9	OCT 2013	157.68	WINDSOCK	143.95	13.73	R/W 15R-33L TRANSITION	NO ACTION (FRANGIBLE BASE)
685	1230276.60	234623.63	106.0	OCT 2013	161.79	TREE	153.33	8.46	R/W 15R APPROACH	REMOVE AS FUNDS ALLOW
840	1235820.96	235144.42	107.9	OCT 2013	165.63	TREE	162.15	3.48	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
1008	1237276.21	234207.14	104.0	OCT 2013	169.47	TREE	147.05	22.41	R/W 24 APPROACH	REMOVE AS FUNDS ALLOW
1430	1238420.64	235928.22	119.0	OCT 2013	188.22	TREE	187.66	0.56	R/W 24 APPROACH	REMOVE AS FUNDS ALLOW
1435	1237959.32	236529.16	121.0	OCT 2013	190.04	TREE	189.79	0.26	R/W 24 APPROACH	REMOVE AS FUNDS ALLOW
1439	1238449.38	235941.59	120.0	OCT 2013	193.05	TREE	188.25	4.80	R/W 24 APPROACH	REMOVE AS FUNDS ALLOW
1458	1238259.20	236563.18	129.0	OCT 2013	216.28	ANTENNA	194.47	21.81	R/W 24 APPROACH	FIXED BY FUNCTION
1461	1238258.23	236563.30	129.0	OCT 2013	219.03	OL TWR 18	194.46	24.57	R/W 24 APPROACH	NO ACTION
1477	1232810.09	228189.50	81.0	OCT 2013	238.23	ATCT	206.41	31.82	R/W 10-28 TRANSITION	FIXED BY FUNCTION
1479	1232797.86	228190.82	81.2	OCT 2013	241.37	ANTENNA	206.26	35.11	R/W 10-28 TRANSITION	NO ACTION
1520	1235333.57	229189.88	78.0	OCT 2013	81.73	PAPI 28	77.81	3.92	R/W 10-28 PRIMARY	FIXED BY FUNCTION
1520	1235333.57	229189.88	78.0	OCT 2013	81.73	PAPI 28	78.50	3.23	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1551	1234554.62	229524.83	81.6	OCT 2013	83.41	VASI FIRST 33L	80.18	3.23	R/W 10-28 PRIMARY	FIXED BY FUNCTION
1551	1234554.62	229524.83	81.6	OCT 2013	83.41	VASI FIRST 33L	81.50	1.91	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1552	1234545.01	229514.67	81.5	OCT 2013	83.41	VASI FIRST 33L	80.20	3.21	R/W 10-28 PRIMARY	FIXED BY FUNCTION
1552	1234545.01	229514.67	81.5	OCT 2013	83.41	VASI FIRST 33L	81.50	1.91	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1569	1234055.09	230014.30	83.0	OCT 2013	84.66	VASI LAST 33L	84.01	0.65	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1570	1234045.46	230004.39	83.0	OCT 2013	84.67	VASI LAST 33L	84.01	0.66	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1616	1231610.28	230164.25	83.8	OCT 2013	88.86	TREE	88.76	0.11	R/W 6-24 PRIMARY	REMOVE AS FUNDS ALLOW
1660	1231563.31	229799.11	89.0	OCT 2013	90.34	TREE	88.98	1.36	R/W 6-24 PRIMARY	REMOVE AS FUNDS ALLOW
1742	1232341.24	232051.28	91.8	OCT 2013	94.58	VASI LAST 15R	93.11	1.46	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1761	1234641.95	232124.41	96.0	OCT 2013	96.29	NATURAL HIGH POINT	95.49	0.80	R/W 6-24 PRIMARY	NO ACTION
1764	1231981.03	232426.64	94.5	OCT 2013	96.49	VASI FIRST 25R	95.49	1.00	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1765	1231969.90	232414.95	94.6	OCT 2013	96.49	VASI FIRST 25R	95.49	1.00	R/W 15R-33L PRIMARY	FIXED BY FUNCTION
1771	1234322.49	232864.65	98.1	OCT 2013	97.19	NATURAL HIGH POINT	96.82	0.36	R/W 6-24 PRIMARY	NO ACTION
1792	1234453.11	232999.22	99.0	OCT 2013	98.26	NATURAL HIGH POINT	97.66	0.61	R/W 6-24 PRIMARY	NO ACTION
1808	1231203.18	229772.92	90.0	OCT 2013	98.82	BUILDING	90.02	8.80	R/W 6-24 PRIMARY	NO ACTION
1816	1231201.15	229763.82	90.0	OCT 2013	99.06	BUILDING	89.37	9.69	R/W 6-24 PRIMARY	NO ACTION
2063	1230496.71	228888.11	90.0	OCT 2013	102.56	VERTICAL STRUCTURE	92.63	9.93	R/W 6-24 PRIMARY	NO ACTION
2337	1230913.27	227920.61	85.4	OCT 2013	105.90	TREE	105.84	0.06	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
2404	1231015.58	228027.54	86.1	OCT 2013	106.32	TREE	105.31	1.01	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
2541	1230569.13	227566.72	84.2	OCT 2013	108.38	TREE	105.48	2.90	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
2821	1231104.37	232652.28	98.0	OCT 2013	111.55	PRIMARY ROAD	107.05	4.51	R/W 15R-33L TRANSITION	NO ACTION (MOVEABLE OBJECT)
2826	1229376.47	226866.82	81.5	OCT 2013	111.60	LP	111.28	0.32	R/W 6 APPROACH	NO ACTION
2858	1231203.27	232619.27	97.8	OCT 2013	111.89	PRIMARY ROAD	100.56	11.33	R/W 15R-33L TRANSITION	NO ACTION (MOVEABLE OBJECT)
3047	1230943.23	232845.39	100.0	OCT 2013	113.76	PRIMARY ROAD	104.59	9.16	R/W 15R-33L TRANSITION	NO ACTION (MOVEABLE OBJECT)
3092	1232946.01	231758.66	87.0	OCT 2013	114.20	OL WSK	103.53	10.67	R/W 15R-33L TRANSITION	NO ACTION
3092	1232946.01	231758.66	87.0	OCT 2013	114.20	OL WSK	111.05	3.15	R/W 6-24 TRANSITION	NO ACTION
5193	1235886.13	230366.69	86.5	OCT 2013	125.60	TREE	116.09	9.51	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
5323	1230517.66	227346.09	85.0	OCT 2013	126.52	TREE	121.46	5.07	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
5532	1228940.83	227816.99	84.5	OCT 2013	128.27	TREE	127.52	0.76	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
5640	1228884.96	227217.55	81.1	OCT 2013	129.17	TREE	113.15	16.02	R/W 6 APPROACH	REMOVE AS FUNDS ALLOW
5707	1233728.51	232609.95	92.5	OCT 2013	129.78	TREE	120.65	9.13	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
6235	1233884.99	232873.77	96.5	OCT 2013	133.86	TREE	132.49	1.37	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
6298	1235315.92	232365.01	92.0	OCT 2013	134.30	TREE	115.41	18.89	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
6372	1235944.52	230359.53	87.0	OCT 2013	134.85	TREE	121.00	13.85	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
6417	1235484.69	232533.37	92.7	OCT 2013	135.19	TREE	116.14	19.05	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
6477	1237506.20	229071.15	83.9	OCT 2013	135.71	TREE	133.90	1.81	R/W 28 APPROACH	REMOVE AS FUNDS ALLOW
6569	1228167.86	226437.59	77.0	OCT 2013	136.51	ANTENNA	134.33	2.18	R/W 6 APPROACH	NO ACTION
6587	1228716.58	227631.01	83.4	OCT 2013	136.63	TREE	131.39	5.24	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
6757	1232466.63	232515.47	93.0	OCT 2013	138.04	TREE	136.35	1.69	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
6770	1236003.70	230444.28	87.9	OCT 2013	138.12	TREE	135.62	2.50	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
6843	1233719.34	232701.13	92.3	OCT 2013	138.77	TREE	130.98	7.78	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7009	1235497.76	234578.71	104.4	OCT 2013	139.96	TREE	139.48	0.47	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7013	1233621.45	232644.81	91.4	OCT 2013	139.99	TREE	134.84	5.15	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7023	1237606.04	229200.97	83.7	OCT 2013	140.06	TREE	138.96	1.10	R/W 28 APPROACH	REMOVE AS FUNDS ALLOW
7052	1235466.76	232404.30	90.6	OCT 2013	140.23	TREE	127.21	13.02	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7235	1235445.20	232316.90	90.0	OCT 2013	141.52	TREE	133.75	7.77	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7282	1235175.28	231247.09	89.0	OCT 2013	141.79	TREE	137.52	4.27	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
7380	1232426.02	232596.32	93.0	OCT 2013	142.37	TREE	140.91	1.46	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW
7523	1235166.16	231169.10	88.7	OCT 2013	143.08	TREE	128.61	14.48	R/W 15L-33R TRANSITION	REMOVE AS FUNDS ALLOW
7728	1230488.37	234113.20	107.0	OCT 2013	144.20	POLE	138.37	5.83	R/W 15R APPROACH	NO ACTION
7900	1234444.34	233521.39	103.0	OCT 2013	145.24	TREE	143.34	1.90	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
7918	1230627.84	234122.13	106.0	OCT 2013	145.38	POLE	135.63	9.76	R/W 15R APPROACH	NO ACTION
7940	1230495.61	234121.36	107.0	OCT 2013	145.55	POLE	138.39	7.16	R/W 15R APPROACH	NO ACTION
8100	1230445.97	234398.57	107.8	OCT 2013	146.57	POLE	145.14	1.43	R/W 15R APPROACH	NO ACTION
8156	1230235.58	234072.94	105.0	OCT 2013	146.89	TREE	142.85	4.04	R/W 15R APPROACH	REMOVE AS FUNDS ALLOW
8173	1230235.49	234072.46	105.0	OCT 2013	146.98	TREE	142.85	4.13	R/W 15R APPROACH	REMOVE AS FUNDS ALLOW
8193	1230465.38	234242.15	107.8	OCT 2013	147.11	POLE	141.51	5.60	R/W 15R APPROACH	NO ACTION
8198	1234924.95	234056.39	103.4	OCT 2013	147.17	TREE	146.83	0.35	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
8222	1235557.17	232448.29	91.8	OCT 2013	147.38	TREE	132.04	15.34	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
8304	1230978.41	232416.79	97.9	OCT 2013	148.03	BUILDING	143.68	4.35	R/W 15R-33L TRANSITION	NO ACTION
8314	1235285.47	234437.83	104.8	OCT 2013	148.13	TREE	147.42	0.71	R/W 6-24 TRANSITION	REMOVE AS FUNDS ALLOW
8326	1229871.29	233861.71	104.0	OCT 2013	148.25	TREE	146.16	2.10	R/W 15R APPROACH	REMOVE AS FUNDS ALLOW
8597	1231224.21	233773.44	102.3	OCT 2013	150.31	TREE	149.69	0.62	R/W 15R-33L TRANSITION	REMOVE AS FUNDS ALLOW

TREE CLUSTER 1

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
96	1230090.04	234274.78	105.0	OCT 2013	152.27	TREE	150.07	2.20	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
142	1230109.13	234285.72	105.0	OCT 2013	152.69	TREE	149.89	2.80	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
149	1230165.21	234422.33	107.0	OCT 2013	152.76	TREE	151.52	1.24	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
252	1230089.00	234430.45	107.0	OCT 2013	153.84	TREE	153.29	0.55	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
284	1230086.13	234298.32	105.0	OCT 2013	154.24	TREE	150.63	3.61	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
294	1230074.12	234386.18	106.0	OCT 2013	154.31	TREE	152.69	1.62	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
308	1230090.28	234271.57	105.0	OCT 2013	154.49	TREE	149.99	4.50	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
310	1229995.16	234164.00	105.0	OCT 2013	154.51	TREE	149.78	4.73	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
317	1230073.67	234462.41	107.0	OCT 2013	154.58	TREE	154.27	0.31	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
374	1230151.92	234442.37	107.0	OCT 2013	155.39	TREE	152.22	3.17	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
426	1230087.88	234364.70	106.0	OCT 2013	156.20	TREE	151.96	4.23	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
427	1230133.06	234328.86	106.0	OCT 2013	156.20	TREE	150.28	5.92	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 1

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
433	1230098.46	234405.34	106.0	OCT 2013	156.33	TREE	152.58	3.75	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
447	1230125.27	234456.73	107.0	OCT 2013	156.47	TREE	153.07	3.39	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
459	1230094.94	234326.09	106.0	OCT 2013	156.67	TREE	151.02	5.65	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
488	1230136.93	234288.35	105.0	OCT 2013	157.21	TREE	149.36	7.85	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
507	1230112.47	234477.62	107.0	OCT 2013	157.49	TREE	153.77	3.72	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
516	1230113.20	234477.45	107.0	OCT 2013	157.61	TREE	153.75	3.86	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
526	1230164.61	234371.03	106.0	OCT 2013	157.88	TREE	150.48	7.40	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
530	1230110.56	234417.70	104.0	OCT 2013	157.95	TREE	152.58	5.37	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
542	1230176.87	234320.81	106.0	OCT 2013	158.15	TREE	149.19	8.96	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
543	1230167.92	234295.42	106.0	OCT 2013	158.15	TREE	148.86	9.29	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
546	1230108.79	234340.51	106.0	OCT 2013	158.22	TREE	151.03	7.19	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
561	1230191.13	234434.81	107.0	OCT 2013	158.49	TREE	151.24	7.25	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
572	1230135.97	234349.50	106.0	OCT 2013	158.76	TREE	150.64	8.12	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
597	1229555.84	233988.05	103.0	OCT 2013	159.24	TREE	155.38	3.86	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
617	1230160.25	234343.57	106.0	OCT 2013	159.97	TREE	150.01	9.96	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
631	1229894.16	234381.06	105.0	OCT 2013	160.24	TREE	156.37	3.87	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
639	1230109.55	234365.06	106.0	OCT 2013	160.53	TREE	151.51	9.01	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
642	1230109.78	234364.90	106.0	OCT 2013	160.61	TREE	151.51	9.11	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
680	1230125.15	234404.95	107.0	OCT 2013	161.72	TREE	152.01	9.71	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
689	1229882.17	234347.58	105.0	OCT 2013	161.86	TREE	155.93	5.93	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
706	1229812.74	234402.38	105.0	OCT 2013	162.33	TREE	158.52	3.81	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
715	1229842.85	234424.11	105.0	OCT 2013	162.63	TREE	158.33	4.30	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
755	1229437.35	234166.79	104.0	OCT 2013	163.72	TREE	161.55	2.17	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
760	1230196.36	234396.18	107.0	OCT 2013	163.80	TREE	150.33	13.47	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
771	1229611.85	234375.47	105.0	OCT 2013	164.12	TREE	162.18	1.94	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
779	1230206.01	234385.43	107.0	OCT 2013	164.26	TREE	149.91	14.35	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
784	1229910.08	234330.88	105.0	OCT 2013	164.40	TREE	155.00	9.39	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
792	1229707.00	234544.30	105.0	OCT 2013	164.62	TREE	163.66	0.96	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
812	1229657.46	234419.27	105.0	OCT 2013	165.09	TREE	162.13	2.96	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
867	1230220.28	234397.02	107.0	OCT 2013	166.22	TREE	149.85	16.38	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
885	1229754.38	234437.46	105.0	OCT 2013	166.37	TREE	160.47	5.91	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
886	1229705.20	234524.77	105.0	OCT 2013	166.44	TREE	163.30	3.14	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
903	1229699.00	234563.58	105.0	OCT 2013	166.70	TREE	164.23	2.48	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
936	1229700.56	234511.92	105.0	OCT 2013	167.38	TREE	163.13	4.25	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
988	1229712.00	234447.89	105.0	OCT 2013	169.13	TREE	161.57	7.56	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1070	1229723.73	234391.10	105.0	OCT 2013	171.27	TREE	160.15	11.12	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1099	1229705.44	234490.78	105.0	OCT 2013	172.10	TREE	162.59	9.51	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1111	1229737.06	234445.81	105.0	OCT 2013	172.40	TREE	161.00	11.40	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8701	1230123.48	234306.01	106.0	OCT 2013	151.21	TREE	150.01	1.20	R/W 15R APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 2

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
6167	1231950.97	232953.90	96.7	OCT 2013	133.41	TREE	132.79	0.61	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7802	1231783.60	233200.23	98.3	OCT 2013	144.62	TREE	142.48	2.14	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7861	1231860.98	233134.00	98.9	OCT 2013	145.02	TREE	143.01	2.01	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7862	1231840.74	233160.11	98.6	OCT 2013	145.02	TREE	143.81	1.21	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7875	1231901.19	233103.20	99.0	OCT 2013	145.09	TREE	143.67	1.42	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8209	1231878.10	233139.87	99.0	OCT 2013	147.26	TREE	145.31	1.95	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8263	1231931.22	233094.48	99.0	OCT 2013	147.74	TREE	145.73	2.01	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8293	1231869.63	233156.53	98.9	OCT 2013	147.92	TREE	146.22	1.70	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8295	1231952.32	233092.51	99.0	OCT 2013	147.94	TREE	147.56	0.38	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8367	1231927.94	233075.79	99.0	OCT 2013	148.60	TREE	143.48	5.12	R/W 15R-33L TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 3

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
2784	1235410.84	230608.92	80.0	OCT 2013	111.26	TREE	94.78	16.48	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4586	1235403.60	230844.53	84.7	OCT 2013	121.49	TREE	118.22	3.27	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5326	1235605.25	230628.88	83.5	OCT 2013	126.53	TREE	115.91	10.62	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5468	1235426.66	230728.08	81.3	OCT 2013	127.76	TREE	108.61	19.15	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5765	1235455.42	230825.74	83.6	OCT 2013	130.21	TREE	121.48	8.73	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
6771	1235568.33	230802.02	81.6	OCT 2013	138.13	TREE	130.24	7.89	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
6875	1235539.82	230726.54	80.9	OCT 2013	139.01	TREE	119.68	19.33	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7360	1235761.59	230645.00	86.1	OCT 2013	142.28	TREE	132.90	9.38	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7723	1235652.20	230736.39	83.6	OCT 2013	144.17	TREE	131.75	12.43	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 4

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
5382	1236377.43	229948.73	85.1	OCT 2013	127.10	TREE	120.63	6.47	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5454	1236292.87	230009.51	82.7	OCT 2013	127.64	TREE	118.81	8.83	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
6492	1236484.66	229967.65	87.5	OCT 2013	135.82	TREE	133.35	2.46	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
6926	1236310.21	230171.96	84.0	OCT 2013	139.36	TREE	137.35	2.01	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
6962	1236383.48	230060.25	85.3	OCT 2013	139.63	TREE	132.98	6.65	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7106	1236546.00	229876.27	89.8	OCT 2013	140.58	TREE	127.67	12.92	R/W 10-28 TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7106	1236546.00	229876.27	89.8	OCT 2013	140.58	TREE	129.58	11.00	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7143	1236639.42	229895.28	89.2	OCT 2013	140.85	TREE	133.58	7.28	R/W 10-28 TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7143	1236639.42	229895.28	89.2	OCT 2013	140.85	TREE	140.72	0.13	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7144	1236569.09	229881.60	89.9	OCT 2013	140.86	TREE	129.22	11.64	R/W 10-28 TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
7144	1236569.09	229881.60	89.9	OCT 2013	140.86	TREE	132.32	8.54	R/W 15L-33R TRANSITION	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 5

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
2626	1236080.06	228457.51	76.9	OCT 2013	109.48	TREE	108.27	1.21	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2628	1236087.45	228468.28	77.4	OCT 2013	109.48	TREE	108.21	1.28	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2680	1236113.57	228476.38	78.0	OCT 2013	110.20	TREE	108.59	1.61	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2715	1236163.70	228510.72	80.0	OCT 2013	110.63	TREE	108.93	1.70	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2720	1236145.89	228509.24	80.0	OCT 2013	110.70	TREE	108.59	2.11	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2741	1236048.15	228437.65	75.8	OCT 2013	110.95	TREE	108.01	2.94	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2762	1236111.61	228494.04	78.8	OCT 2013	111.10	TREE	108.18	2.92	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2783	1236058.88	228425.54	75.7	OCT 2013	111.24	TREE	108.49	2.75	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2815	1236112.50	228408.35	76.4	OCT 2013	111.48	TREE	109.97	1.51	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2820	1236167.96	228479.85	79.1	OCT 2013	111.51	TREE	109.66	1.85	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2832	1236056.27	228339.55	66.8	OCT 2013	111.64	TREE	110.20	1.44	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2849	1236065.95	228411.98	75.6	OCT 2013	111.78	TREE	108.91	2.86	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2898	1236079.66	228393.61	75.5	OCT 2013	112.25	TREE	109.58	2.67	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2908	1236045.59	228384.29	73.6	OCT 2013	112.38	TREE	109.06	3.33	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 5

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
2944	1236055.37	228372.14	72.6	OCT 2013	112.72	TREE	109.51	3.21	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2952	1236100.30	228465.18	77.5	OCT 2013	112.79	TREE	108.54	4.25	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2953	1236077.01	228427.01	76.1	OCT 2013	112.79	TREE	108.84	3.95	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2967	1236225.72	228438.32	78.2	OCT 2013	112.92	TREE	111.73	1.20	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2986	1236075.39	228371.38	75.1	OCT 2013	113.19	TREE	109.95	3.25	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
2995	1236199.30	228484.27	79.3	OCT 2013	113.26	TREE	110.23	3.03	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3015	1236104.62	228368.66	75.3	OCT 2013	113.46	TREE	110.62	2.84	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3017	1236155.68	228499.33	79.7	OCT 2013	113.51	TREE	109.00	4.50	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3031	1236100.85	228450.87	77.2	OCT 2013	113.60	TREE	108.85	4.75	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3039	1236096.00	228387.63	75.7	OCT 2013	113.67	TREE	110.05	3.62	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3040	1236130.75	228504.73	79.6	OCT 2013	113.67	TREE	108.37	5.30	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3051	1236205.41	228394.25	76.7	OCT 2013	113.80	TREE	112.21	1.59	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3083	1236151.97	228313.67	73.8	OCT 2013	114.14	TREE	112.75	1.39	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3161	1236103.07	228400.30	76.1	OCT 2013	114.68	TREE	109.93	4.74	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3214	1236146.55	228412.27	77.2	OCT 2013	115.02	TREE	110.60	4.41	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3230	1236110.82	228292.31	74.0	OCT 2013	115.08	TREE	112.32	2.76	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3250	1236106.61	228381.04	75.7	OCT 2013	115.22	TREE	110.41	4.81	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3254	1236067.50	228354.55	71.8	OCT 2013	115.24	TREE	110.13	5.11	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3263	1236136.46	228324.26	74.2	OCT 2013	115.28	TREE	112.20	3.08	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3272	1236140.28	228426.30	77.4	OCT 2013	115.35	TREE	110.18	5.17	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3276	1236248.41	228406.70	76.9	OCT 2013	115.39	TREE	112.86	2.54	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3299	1236168.70	228370.64	75.8	OCT 2013	115.53	TREE	111.92	3.61	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3306	1236059.46	228390.72	75.2	OCT 2013	115.55	TREE	109.22	6.34	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3345	1236125.03	228491.77	78.8	OCT 2013	115.78	TREE	108.51	7.26	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3383	1236117.90	228382.08	75.8	OCT 2013	115.96	TREE	110.62	5.34	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3386	1236174.35	228344.89	74.7	OCT 2013	115.98	TREE	112.57	3.41	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3399	1236131.52	228348.46	74.8	OCT 2013	116.03	TREE	111.60	4.43	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3469	1236137.98	228364.31	75.4	OCT 2013	116.50	TREE	111.41	5.09	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3480	1236212.09	228369.57	75.7	OCT 2013	116.57	TREE	112.86	3.71	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3508	1236123.55	228369.46	75.5	OCT 2013	116.75	TREE	111.00	5.75	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3563	1236215.94	228425.82	77.7	OCT 2013	117.01	TREE	111.78	5.23	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3578	1236131.51	228283.01	73.5	OCT 2013	117.06	TREE	112.95	4.11	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3597	1236221.08	228408.46	77.2	OCT 2013	117.15	TREE	112.25	4.90	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3663	1236090.31	228444.26	76.8	OCT 2013	117.38	TREE	108.76	8.61	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3670	1236243.50	228384.16	76.2	OCT 2013	117.42	TREE	113.22	4.20	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3676	1236155.89	228482.79	79.1	OCT 2013	117.44	TREE	109.35	8.10	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3677	1236195.26	228397.50	76.7	OCT 2013	117.44	TREE	111.93	5.51	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3692	1236278.01	228309.54	73.4	OCT 2013	117.51	TREE	115.48	2.03	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3734	1236106.42	228426.03	76.7	OCT 2013	117.71	TREE	109.48	8.24	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3748	1236228.78	228368.99	75.7	OCT 2013	117.78	TREE	113.22	4.56	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3796	1236119.46	228452.82	77.6	OCT 2013	117.92	TREE	109.20	8.72	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3930	1236172.66	228468.70	78.8	OCT 2013	118.39	TREE	109.99	8.40	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
3990	1236290.96	228397.21	76.3	OCT 2013	118.59	TREE	113.94	4.64	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4012	1236227.83	228394.59	76.7	OCT 2013	118.66	TREE	112.67	5.98	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4013	1236260.78	228427.45	77.7	OCT 2013	118.66	TREE	112.69	5.97	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4040	1236245.02	228373.02	75.8	OCT 2013	118.79	TREE	113.48	5.31	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4090	1236085.09	228408.56	75.9	OCT 2013	118.98	TREE	109.39	9.59	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4095	1236241.36	228296.74	73.6	OCT 2013	118.99	TREE	114.97	4.02	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4141	1236148.48	228466.62	78.6	OCT 2013	119.13	TREE	109.52	9.61	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4142	1236099.14	228432.44	76.7	OCT 2013	119.13	TREE	109.19	9.94	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4155	1236349.55	228335.32	74.7	OCT 2013	119.20	TREE	116.45	2.75	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4159	1236205.02	228506.75	79.8	OCT 2013	119.22	TREE	109.88	9.33	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4207	1236130.04	228467.37	78.1	OCT 2013	119.47	TREE	109.12	10.35	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4268	1236309.21	228316.98	73.7	OCT 2013	119.85	TREE	115.98	3.87	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4306	1236174.26	228394.45	76.6	OCT 2013	120.01	TREE	111.55	8.45	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4330	1236258.73	228277.23	72.8	OCT 2013	120.11	TREE	115.74	4.38	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4399	1236223.52	228417.82	77.5	OCT 2013	120.41	TREE	112.10	8.31	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4415	1236162.71	228429.18	77.7	OCT 2013	120.48	TREE	110.59	9.89	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4425	1236393.86	228252.70	72.9	OCT 2013	120.55	TREE	119.08	1.46	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4470	1236183.91	228412.16	77.1	OCT 2013	120.77	TREE	111.39	9.38	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4479	1236180.90	228451.04	78.3	OCT 2013	120.83	TREE	110.52	10.31	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4490	1236423.58	228249.84	74.0	OCT 2013	120.88	TREE	119.76	1.11	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4529	1236325.12	228318.15	73.8	OCT 2013	121.08	TREE	116.29	4.80	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4542	1236239.54	228411.52	77.2	OCT 2013	121.22	TREE	112.57	8.65	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4551	1236234.24	228313.04	74.1	OCT 2013	121.31	TREE	114.49	6.82	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4577	1236337.23	228374.35	76.4	OCT 2013	121.42	TREE	115.39	6.03	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4587	1236275.85	228421.79	77.3	OCT 2013	121.49	TREE	113.12	8.37	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4595	1236272.53	228374.28	75.6	OCT 2013	121.56	TREE	114.03	7.53	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4604	1236129.60	228434.20	77.3	OCT 2013	121.61	TREE	109.79	11.82	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4638	1236311.41	228388.98	76.2	OCT 2013	121.76	TREE	114.54	7.22	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4664	1236336.87	228342.40	74.9	OCT 2013	121.89	TREE	116.04	5.86	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4673	1236369.64	228345.37	75.5	OCT 2013	121.96	TREE	116.66	5.30	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4696	1236172.77	228435.95	77.9	OCT 2013	122.10	TREE	110.66	11.43	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4734	1236245.98	228436.17	78.1	OCT 2013	122.35	TREE	112.20	10.15	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4740	1236316.20	228327.63	74.0	OCT 2013	122.39	TREE	115.91	6.48	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4845	1236343.62	228353.16	75.5	OCT 2013	122.97	TREE	115.96	7.02	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4864	1236302.14	228355.81	74.9	OCT 2013	123.11	TREE	115.03	8.08	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4963	1236384.94	228262.81	72.9	OCT 2013	123.87	TREE	118.69	5.18	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
4984	1236320.22	228373.66	75.9	OCT 2013	123.99	TREE	115.04	8.94	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5021	1236269.90	228397.87	76.4	OCT 2013	124.27	TREE	113.49	10.79	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5022	1236461.58	228163.14	74.3	OCT 2013	124.27	TREE	122.35	1.93	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5078	1236277.06	228535.55	80.3	OCT 2013	124.68	TREE	110.80	13.88	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5428	1236477.76	228296.00	76.3	OCT 2013	127.43	TREE	119.95	7.48	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5502	1236478.94	228382.63	78.6	OCT 2013	128.05	TREE	118.19	9.86	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5612	1236321.54	228505.55	79.6	OCT 2013	128.93	TREE	112.36	16.57	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5629	1236446.63	228553.88	81.0	OCT 2013	129.07	TREE	113.98	15.09	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5690	1236509.32	228433.42	79.5	OCT 2013	129.62	TREE	117.77	11.85	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
5744	1236382.49	228414.07	78.6	OCT 2013	130.08	TREE	115.52	14.56	R/W 33L APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION
AIRPORT LAYOUT PLAN

SHEET TITLE
OBSTRUCTION DATA TABLE SHEET 1

DESIGNED L&B	DRAWN JKL	CHECKED L&B	APPROVED ISP
L&B JKL		SCALE NONE	CONTR. NO.
		DATE MARCH 2016	SHEET 12 of 23

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Ltscale: 0.5 Saved On: February 18, 2016 Plotted: 2/29/2016 1:59 PM

TREE CLUSTER 6

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
51	1237067.88	234554.72	109.0	OCT 2013	151.85	TREE	149.10	2.75	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
60	1236851.28	234859.62	109.3	OCT 2013	151.95	TREE	150.43	1.52	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
102	1237098.62	234666.56	109.0	OCT 2013	152.31	TREE	151.13	1.18	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
110	1237050.19	234605.11	109.0	OCT 2013	152.39	TREE	149.58	2.81	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
111	1237034.80	234622.63	109.0	OCT 2013	152.39	TREE	149.61	2.78	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
112	1236974.68	234781.29	109.1	OCT 2013	152.39	TREE	151.04	1.35	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
120	1236818.27	234886.43	109.4	OCT 2013	152.44	TREE	150.35	2.09	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
124	1236939.03	234825.45	109.2	OCT 2013	152.52	TREE	151.17	1.35	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
138	1236765.85	234924.98	109.4	OCT 2013	152.68	TREE	150.17	2.51	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
155	1236821.56	234871.22	109.3	OCT 2013	152.88	TREE	150.18	2.70	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
170	1236783.34	234896.08	109.4	OCT 2013	153.01	TREE	150.00	3.02	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
176	1236759.52	235036.56	109.5	OCT 2013	153.05	TREE	151.67	1.37	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
210	1237042.34	234574.65	109.0	OCT 2013	153.33	TREE	149.03	4.30	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
230	1236639.64	235161.01	108.7	OCT 2013	153.55	TREE	151.77	1.78	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
243	1237041.71	234808.36	109.7	OCT 2013	153.73	TREE	152.36	1.37	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
249	1236916.75	234658.30	109.0	OCT 2013	153.79	TREE	148.47	5.32	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
250	1236773.75	234999.96	109.5	OCT 2013	153.82	TREE	151.35	2.47	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
257	1236746.67	235078.61	109.6	OCT 2013	153.88	TREE	152.09	1.79	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
266	1236806.90	234976.58	109.5	OCT 2013	153.99	TREE	151.48	2.51	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
279	1237099.04	234696.78	109.0	OCT 2013	154.13	TREE	151.57	2.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
287	1237056.20	234839.21	110.0	OCT 2013	154.27	TREE	153.01	1.26	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
302	1236835.46	234968.07	109.6	OCT 2013	154.39	TREE	151.76	2.63	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
305	1237195.84	234642.93	109.4	OCT 2013	154.40	TREE	152.16	2.25	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
313	1236655.56	235170.95	108.7	OCT 2013	154.55	TREE	152.14	2.41	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
323	1236850.17	235067.75	109.8	OCT 2013	154.62	TREE	153.39	1.23	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
326	1236725.39	235099.89	109.4	OCT 2013	154.67	TREE	152.10	2.57	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
332	1236828.49	234987.57	109.6	OCT 2013	154.75	TREE	151.94	2.81	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
337	1236821.17	234903.94	109.4	OCT 2013	154.82	TREE	150.64	4.18	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
338	1236678.71	235182.25	108.8	OCT 2013	154.82	TREE	152.62	2.19	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
344	1236736.27	235171.15	109.2	OCT 2013	154.95	TREE	153.27	1.68	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
356	1236836.62	234911.63	109.5	OCT 2013	155.13	TREE	150.97	4.16	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
359	1236834.17	234931.21	109.5	OCT 2013	155.19	TREE	151.21	3.98	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
367	1237075.21	234601.94	109.0	OCT 2013	155.34	TREE	149.88	5.46	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
368	1237021.23	234827.72	109.6	OCT 2013	155.34	TREE	152.35	2.99	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
369	1237077.23	234904.30	110.1	OCT 2013	155.34	TREE	154.23	1.11	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
370	1236672.70	235198.06	108.8	OCT 2013	155.35	TREE	152.76	2.59	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
372	1236827.31	235020.12	109.6	OCT 2013	155.35	TREE	152.39	2.96	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
379	1236804.64	234891.46	109.4	OCT 2013	155.48	TREE	150.23	5.25	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
380	1236729.83	235157.22	109.2	OCT 2013	155.48	TREE	152.98	2.50	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
384	1236781.65	235061.57	109.6	OCT 2013	155.55	TREE	152.34	3.21	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
386	1236997.28	234794.85	109.4	OCT 2013	155.61	TREE	151.55	4.06	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
387	1237018.49	234949.12	110.0	OCT 2013	155.61	TREE	154.05	1.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
388	1236694.51	235202.58	109.0	OCT 2013	155.62	TREE	153.13	2.48	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
389	1236807.86	234963.24	109.5	OCT 2013	155.62	TREE	151.30	4.32	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
390	1236950.70	235042.07	110.0	OCT 2013	155.62	TREE	154.43	1.19	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
395	1236877.77	235061.95	109.9	OCT 2013	155.68	TREE	153.69	1.99	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
398	1237074.09	234668.02	109.0	OCT 2013	155.74	TREE	150.81	4.93	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
400	1236856.63	235002.07	109.7	OCT 2013	155.75	TREE	152.54	3.21	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
401	1236705.88	235172.82	109.0	OCT 2013	155.75	TREE	152.87	2.88	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
406	1236793.35	235044.25	109.6	OCT 2013	155.82	TREE	152.26	3.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
407	1236927.33	235074.82	110.0	OCT 2013	155.82	TREE	154.57	1.25	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
408	1236866.95	235098.00	109.9	OCT 2013	155.82	TREE	154.05	1.76	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
415	1236847.82	235093.05	109.9	OCT 2013	155.88	TREE	153.72	2.17	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
420	1236760.64	234964.87	109.4	OCT 2013	155.95	TREE	150.66	5.29	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
422	1236886.07	235026.18	109.8	OCT 2013	156.02	TREE	153.30	2.72	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
425	1237042.70	234960.49	110.8	OCT 2013	156.15	TREE	154.55	1.60	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
428	1236848.60	234886.18	109.4	OCT 2013	156.22	TREE	150.77	5.45	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
429	1236724.85	235139.39	109.2	OCT 2013	156.22	TREE	152.66	3.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
437	1236737.61	235190.04	109.1	OCT 2013	156.35	TREE	153.56	2.79	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
440	1237055.99	234933.77	110.5	OCT 2013	156.41	TREE	154.35	2.06	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
441	1236721.35	235119.45	109.3	OCT 2013	156.41	TREE	152.32	4.09	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
443	1236796.42	234920.94	109.4	OCT 2013	156.42	TREE	150.54	5.88	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
449	1237046.50	234648.71	109.0	OCT 2013	156.55	TREE	150.15	6.40	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
450	1236923.70	235115.05	110.0	OCT 2013	156.55	TREE	155.09	1.46	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
456	1236770.35	235046.17	109.6	OCT 2013	156.62	TREE	151.96	4.66	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
457	1236698.89	235114.06	109.2	OCT 2013	156.62	TREE	151.93	4.69	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
461	1237097.00	234747.82	109.2	OCT 2013	156.67	TREE	152.27	4.40	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
462	1237089.93	234847.53	110.0	OCT 2013	156.68	TREE	153.60	3.09	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
469	1237061.57	234813.34	109.8	OCT 2013	156.82	TREE	152.71	4.11	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
473	1236852.88	234974.33	109.6	OCT 2013	156.89	TREE	152.09	4.80	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
476	1237074.97	234647.79	109.0	OCT 2013	156.95	TREE	150.53	6.42	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
482	1237046.53	234984.25	111.0	OCT 2013	157.09	TREE	154.94	2.14	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
484	1236832.45	234946.39	109.5	OCT 2013	157.15	TREE	151.40	5.75	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
485	1236799.09	234946.93	109.5	OCT 2013	157.15	TREE	150.95	6.21	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
486	1236861.67	235079.22	109.9	OCT 2013	157.15	TREE	153.71	3.44	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
490	1237092.06	234620.48	109.0	OCT 2013	157.22	TREE	150.38	6.84	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
495	1236857.21	235045.02	109.8	OCT 2013	157.35	TREE	153.16	4.19	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
496	1236956.91	235139.84	110.0	OCT 2013	157.35	TREE	155.91	1.44	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
503	1236808.75	234993.78	109.5	OCT 2013	157.42	TREE	151.75	5.67	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
504	1236948.03	235158.46	110.0	OCT 2013	157.42	TREE	156.05	1.37	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
517	1236971.69	235153.40	110.0	OCT 2013	157.62	TREE	156.31	1.31	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
523	1236819.20	235286.06	110.2	OCT 2013	157.75	TREE	156.07	1.68	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
552	1237081.01	234827.49	110.0	OCT 2013	158.29	TREE	153.18	5.11	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
553	1237053.36	234708.25	109.0	OCT 2013	158.29	TREE	151.09	7.20	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
557	1237065.72	235066.91	111.0	OCT 2013	158.42	TREE	156.39	2.03	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
558	1237054.30	234682.96	109.0	OCT 2013	158.43	TREE	150.75	7.68	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
569	1237046.62	234742.95	109.1	OCT 2013	158.70	TREE	151.50	7.20	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
570	1236786.48	234961.41	109.4	OCT 2013	158.75	TREE	150.98	7.78	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
571	1236818.23	234951.57	109.5	OCT 2013	158.75	TREE	151.28	7.47	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
576	1237080.23	234761.39	109.3	OCT 2013	158.83	TREE	152.23	6.60	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
590	1236879.97	234945.71	109.7	OCT 2013	159.09	TREE	152.06	7.03	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
595	1237094.97	234927.60	110.2	OCT 2013	159.23	TREE	154.81	4.42	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
601	1237098.23	234815.69	109.8	OCT 2013	159.37	TREE	153.26	6.11	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
604	1236981.24	235203.55	110.5	OCT 2013	159.49	TREE	157.16	2.32	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
624	1237013.55	235126.21	111.0	OCT 2013	160.16	TREE	156.51	3.65	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
625	1237073.25	234997.54	111.0	OCT 2013	160.17	TREE	155.51	4.67	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
627	1236812.56	235042.91	109.7	OCT 2013	160.22	TREE	152.51	7.72	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
650	1236829.32	235333.69	111.4	OCT 2013	160.82	TREE	156.89	3.93	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
654	1237203.14	235160.10	161.0	OCT 2013	160.98	TREE	159.65	1.33	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
671	1236767.47	234970.03	109.4	OCT 2013	161.43	TREE	150.83	10.60	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
696	1236994.09	235148.00	110.8	OCT 2013	162.03	TREE	156.55	5.48	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
711	1236852.43	234920.36	109.6	OCT 2013	162.49	TREE	151.31	11.18	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
718	1237154.35	235089.61	111.4	OCT 2013	162.72	TREE	157.96	4.76	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
743	1236975.46	235231.16	110.4	OCT 2013	163.29	TREE	157.47	5.82	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
745	1237040.69	235184.91	111.0	OCT 2013	163.36	TREE	157.73	5.63	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

TREE CLUSTER 6

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
746	1237235.53	235046.01	111.0	OCT 2013	163.39	TREE	158.47	4.92	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
752	1237264.10	235193.10	112.0	OCT 2013	163.66	TREE	160.97	2.69	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
766	1237543.54	235029.19	111.0	OCT 2013	164.01	TREE	162.54	1.46	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
783	1237170.80	235365.69	112.0	OCT 2013	164.36	TREE	162.13	2.23	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
799	1237201.78	235432.14	112.0	OCT 2013	164.76	TREE	163.51	1.25	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
834	1237204.13	235079.15	111.0	OCT 2013	165.54	TREE	158.50	7.03	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
835	1237158.39	235519.87	112.0	OCT 2013	165.56	TREE	164.16	1.40	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
865	1237004.96	235203.22	111.0	OCT 2013	166.14	TREE	157.49	8.65	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
868	1237193.92	235405.30	112.0	OCT 2013	166.23	TREE	163.02	3.21	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
880	1237182.03	235347.57	112.0	OCT 2013	166.30	TREE	162.03	4.27	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
881	1237260.72	234716.46	110.0	OCT 2013	166.34	TREE	154.11	12.23	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
917	1237308.14	235469.77	112.0	OCT 2013	166.96	TREE	165.54	1.42	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
923	1237465.51	235347.50	112.0	OCT 2013	167.09	TREE	166.00	1.10	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
939	1237485.53	235326.40	112.0	OCT 2013	167.43	TREE	165.97	1.45	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
941	1237290.94	235526.05	112.0	OCT 2013	167.56	TREE	166.10	1.46	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
952	1237375.29	235255.80	112.0	OCT 2013	167.95	TREE	163.42	4.53	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
964	1237297.95	234801.99	110.0	OCT 2013	168.49	TREE	155.86	12.63	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
968	1237493.27	235352.90	112.0	OCT 2013	168.57	TREE	166.46	2.11	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1008	1237276.21	234207.14	112.0	OCT 2013	169.47	TREE	147.05	22.41	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1014	1237067.93	235252.38	111.6	OCT 2013	169.63	TREE	159.07	10.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1015	1237228.92	235425.55	112.0	OCT 2013	169.63	TREE	163.80	5.83	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1018	1237330.45	234755.89	110.0	OCT 2013	169.70	TREE	155.65	14.04	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1028	1237545.90	234926.28	111.0	OCT 2013	169.91	TREE	161.10	8.81	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1043	1237422.81	235562.73	113.0	OCT 2013	170.37	TREE	168.47	1.89	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1053	1237609.21	235064.46	111.0	OCT 2013	170.58	TREE	163.96	6.62	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1055	1237176.69	235476.52	112.0	OCT 2013	170.63	TREE	163.80	6.84	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1057	1237202.15	235813.78	113.0	OCT 2013	170.70	TREE	168.97	1.73	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1062	1237289.81	235237.37	112.0	OCT 2013	170.90	TREE	161.96	8.94	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1075	1237418.32	235326.37	112.0	OCT 2013	171.38	TREE	165.03	6.35	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1082	1237263.73	235486.38	112.0	OCT 2013	171.64	TREE	165.16	6.48	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1083	1237488.86	235286.27	112.0	OCT 2013	171.65	TREE	165.45	6.20	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1091	1237681.22	235293.20	112.0	OCT 2013	171.79	TREE	168.24	3.55	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1104	1237402.64	234801.05	110.0	OCT 2013	172.25	TREE	157.31	14.94	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1105	1237678.13	235390.88	112.0	OCT 2013	172.26	TREE	169.59	2.66	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1109	1237155.30	235282.27	112.0	OCT 2013	172.37	TREE	160.72	11.65	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1113	1237556.77	235527.45	112.0	OCT 2013	172.46	TREE	169.84	2.61	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1121	1237271.92	235407.82	112.0	OCT 2013	172.64	TREE	164.15	8.49	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1125	1237695.11	235360.25	112.0	OCT 2013	172.73	TREE	169.39	3.33	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1126	1237609.48	235002.64	111.0	OCT 2013	172.73	TREE	163.08	9.64	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1140	1237530.51	235150.95	111.0	OCT 2013	172.99	TREE	164.10	8.90	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1146	1237197.23	235314.40	112.0	OCT 2013	173.17	TREE	161.77	11.40	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1154	1237755.24	235421.23	112.0	OCT 2013	173.40	TREE	171.10	2.29	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1158	1237455.05	235731.31	114.0	OCT 2013	173.45	TREE	171.33	2.12	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1159	1237233.73	235765.14	113.0	OCT 2013	173.45	TREE	168.72	4.73	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1163	1237245.64	235748.21	113.0	OCT 2013	173.52	TREE	168.64	4.88	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1167	1237503.79	235307.33	112.0	OCT 2013	173.67	TREE	165.96	7.71	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1171	1237509.80	235385.20	112.0	OCT 2013	173.73	TREE	167.15	6.58	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1176	1237649.14	235569.06	113.0	OCT 2013	173.86	TREE	171.73	2.12	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1177	1237424.63	235288.65	112.0	OCT 2013	173.87	TREE	164.58	9.28	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1185	1237242.97	235447.27	112.0	OCT 2013	174.04	TREE	164.31	9.73	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1194	1237264.90	235454.78	112.0	OCT 2013	174.31	TREE	164.72	9.58	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1197	1237334.69	235291.04	112.0	OCT 2013	174.39	TREE	163.36	11.03	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1198	1237372.48	235304.79	112.0	OCT 2013	174.39	TREE	164.08	10.31	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1209	1237465.70	235477.04	112.0	OCT 2013	174.64	TREE	167.85	6.79	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1221	1237211.85	235366.66	112.0	OCT 2013	175.31	TREE	162.72	12.59	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1236	1237241.24	235356.63	112.0	OCT 2013	175.57	TREE	162.99	12.59	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1237	1237429.24	235720.56	114.0	OCT 2013	175.60	TREE	170.82	4.78	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1247	1237270.05	235249.78	112.0	OCT 2013	175.73	TREE	161.86	13.87	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1248	1237432.31	235700.19	114.0	OCT 2013	175.84	TREE	170.57	5.27	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1250	1237406.72	235851.39	114.0	OCT 2013	175.91	TREE	172.37	3.54	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1253	1237236.23	235392.91	112.0	OCT 2013	175.97	TREE	163.44	12.54	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1267	1237439.21	235896.46	114.0	OCT 2013	176.44	TREE	173.47	2.97	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1271	1237489.40	235424.16	112.0	OCT 2013	176.48	TREE	167.43	9.06	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1278	1237215.44	235708.94	113.0	OCT 2013	176.74	TREE	167.66	9.08	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1279	1237389.08	235917.09	114.0	OCT 2013	176.84	TREE	173.06	3.78	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1280	1237612.00	235510.41	112.0	OCT 2013	176.89	TREE	170.37	6.51	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1288	1237320.98	235695.06	113.0	OCT 2013	177.11	TREE	168.94	8.17	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1293	1237728.75	235493.02	112.0	OCT 2013	177.29	TREE	171.76	5.53	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1305	1237683.65	235436.65	112.0	OCT 2013	177.88	TREE	170.32	7.56	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1318	1237203.84	235687.45	113.0	OCT 2013	178.28	TREE	167.19	11.09	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1322	1237257.43	235702.02	113.0	OCT 2013	178.42	TREE	168.15	10.27	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1324	1237460.11	235872.64	114.0	OCT 2013	178.58	TREE	173.42	5.15	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1326	1237778.42	235479.23	112.0	OCT 2013	178.70	TREE	172.26	6.44	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1327	1237405.20	235509.97	112.0	OCT 2013	178.71	TREE	167.47	11.24	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1330	1237508.82	235465.83	112.0	OCT 2013	178.83	TREE	168.29	10.54	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1333	1237446.22	236070.24	115.0	OCT 2013	178.84	TREE	176.05	2.79	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1337	1237411.78	236056.60	115.0	OCT 2013	178.98	TREE	175.37	3.60	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1340	1237443.92	236104.51	115.0	OCT 2013	179.11	TREE	176.51	2.60	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1349	1237236.35	235692.91	113.0	OCT 2013	179.42	TREE	167.72	11.70	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1351	1237462.30	235415.93	112.0	OCT 2013	179.50	TREE	166.93	12.57	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1361	1237396.67	236043.68	115.0	OCT 2013	180.05	TREE	174.98	5.07	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1367	1237104.64	235692.41	113.0	OCT 2013	180.50	TREE	165.87	14.62	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1370	1237790.77	235347.19	112.0	OCT 2013	180.64	TREE	170.54	10.10	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1378	1237399.82	236030.97	115.0	OCT 2013	181.18	TREE	174.84	6.34	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1380	1237479.76	235909.66	114.0	OCT 2013	181.37	TREE	174.23	7.14	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1383	1237510.85	235891.51	114.0	OCT 2013	181.45	TREE	174.40	7.04	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1390	1237782.63	235418.56	112.0	OCT 2013	182.12	TREE	171.45	10.67	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1392	1237175.06	235688.05	113.0	OCT 2013	182.24	TREE	166.80	15.45	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1397	1237484.89	236137.57	115.0	OCT 2013	182.38	TREE	177.55	4.83	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1399	1237504.24	236151.02	115.0	OCT 2013	182.72	TREE	178.02	4.70	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
1401	1237652.06	235441.01	112.0	OCT 2013	182.79	TREE	169.94	12.85	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8312	1236999.14	234433.71	107.9	OCT 2013	148.10	TREE	146.41	1.68	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8341	1236976.09	234456.83	108.0	OCT 2013	148.36	TREE	146.42	1.94	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8535	1237079.46	234512.80	108.7	OCT 2013	149.84	TREE	148.67	1.17	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8536	1237017.97	234497.82	108.3	OCT 2013	149.84	TREE	147.59	2.25	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8537	1237007.77	234582.77	108.9	OCT 2013	149.84	TREE	148.66	1.18	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8609	1237054.34	234523.57	108.9	OCT 2013	150.38	TREE	148.47	1.91	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8652	1237027.92	234589.64	109.0	OCT 2013	150.77	TREE	149.04	1.72	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW
8675	1236797.33	234858.81	109.2	OCT 2013	150.95	TREE	149.66	1.28	R/W 24 APPROACH	N/A	-	N/A	-	REMOVE AS FUNDS ALLOW

PRIMARY ROAD

POINT	EASTING	NORTHING	GROUND ELEVATION (FT)	SURVEY DATE	OBSTACLE ELEVATION (FT)	DESCRIPTION	FAR PART 77 SURFACE PENETRATED			THRESHOLD SITTING SURFACE		TERPS SURFACE		ACTION
							SURFACE ELEV (FT)	DELTA (FT)	SURFACE PENETRATED	SURFACE ELEV (FT)	DELTA (FT)	SURFACE ELEV (FT)	DELTA (FT)	
3115	1230935.97	232932.37	100.7	OCT 2013	114.45	PRIMARY ROAD	104.66	9.79	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3123	1230935.45	232933.81	100.7	OCT 2013	114.48	PRIMARY ROAD	104.70	9.78	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3127	1230934.91	232935.22	100.7	OCT 2013	114.51	PRIMARY ROAD	104.74	9.77	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3136	1230934.34	232936.60	100.7	OCT 2013	114.54	PRIMARY ROAD	104.78	9.76	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3141	1230933.74	232937.93	100.8	OCT 2013	114.57	PRIMARY ROAD	104.82	9.75	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3148	1230933.10	232939.22	100.8	OCT 2013	114.60	PRIMARY ROAD	104.86	9.74	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3152	1230932.43	232940.45	100.8	OCT 2013	114.63	PRIMARY ROAD	104.90	9.73	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3155	1230931.75	232941.64	100.8	OCT 2013	114.66	PRIMARY ROAD	104.94	9.72	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3163	1230931.04	232942.80	100.8	OCT 2013	114.69	PRIMARY ROAD	104.98	9.71	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3165	1230930.32	232943.92	100.8	OCT 2013	114.71	PRIMARY ROAD	105.02	9.70	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3170	1230929.56	232945.00	100.9	OCT 2013	114.74	PRIMARY ROAD	105.05	9.69	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3172	1230928.76	232946.06	100.9	OCT 2013	114.77	PRIMARY ROAD	105.09	9.68	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3181	1230927.93	232947.10	100.9	OCT 2013	114.80	PRIMARY ROAD	105.13	9.67	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3183	1230927.05	232948.12	100.9	OCT 2013	114.83	PRIMARY ROAD	105.17	9.65	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3184	1230926.12	232949.12	100.9	OCT 2013	114.85	PRIMARY ROAD	105.21	9.64	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3192	1230925.13	232950.11	100.9	OCT 2013	114.87	PRIMARY ROAD	105.25	9.62	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3194	1230924.08	232951.10	101.0	OCT 2013	114.89	PRIMARY ROAD	105.29	9.59	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3195	1230922.97	232952.09	101.0	OCT 2013	114.91	PRIMARY ROAD	105.34	9.57	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3196	1230921.79	232953.06	101.0	OCT 2013	114.92	PRIMARY ROAD	105.38	9.54	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3201	1230920.58	232954.02	101.0	OCT 2013	114.93	PRIMARY ROAD	105.43	9.51	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3202	1230919.32	232954.95	101.0	OCT 2013	114.95	PRIMARY ROAD	105.47	9.47	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3203	1230918.04	232955.85	101.0	OCT 2013	114.96	PRIMARY ROAD	105.52	9.44	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3207	1230916.74	232956.71	101.0	OCT 2013	114.97	PRIMARY ROAD	105.56	9.41	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3208	1230915.43	232957.51	101.0	OCT 2013	114.98	PRIMARY ROAD	105.61	9.37	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3209	1230914.13	232958.26	101.0	OCT 2013	114.99	PRIMARY ROAD	105.65	9.34	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3212	1230912.84	232958.94	101.0	OCT 2013	115.01	PRIMARY ROAD	105.69	9.31	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3215	1230911.55	232959.55	101.0	OCT 2013	115.02	PRIMARY ROAD	105.73	9.29	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3221	1230910.25	232960.10	101.0	OCT 2013	115.04	PRIMARY ROAD	105.77	9.27	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3222	1230908.92	232960.60	101.0	OCT 2013	115.06	PRIMARY ROAD	105.81	9.25	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3229	1230907.59	232961.04	101.0	OCT 2013	115.07	PRIMARY ROAD	105.85	9.23	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3231	1230906.25	232961.44	101.0	OCT 2013	115.09	PRIMARY ROAD	105.88	9.21	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3234	1230904.90	232961.81	101.0	OCT 2013	115.11	PRIMARY ROAD	105.92	9.19	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3235	1230903.56	232962.13	101.0	OCT 2013	115.12	PRIMARY ROAD	105.95	9.17	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3239	1230902.22	232962.43	101.0	OCT 2013	115.13	PRIMARY ROAD	105.99	9.14	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3241	1230900.90	232962.71	101.0	OCT 2013	115.14	PRIMARY ROAD	106.02	9.12	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)
3242	1230899.58	232962.97	101.0	OCT 2013	115.14	PRIMARY ROAD	106.05	9.09	R/W 15R APPROACH	N/A	-	N/A	-	NO ACTION (MOVEABLE OBJECT)

NOTE:
1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION
AIRPORT LAYOUT PLAN

SHEET TITLE
OBSTRUCTION DATA TABLE SHEET 2

DESIGNED L&B	DRAWN JKL	CHECKED L&B	APPROVED ISP
L&B JKL		SCALE NONE	CONTR. NO.
		DATE MARCH 2016	SHEET 13 of 23

Y:\LIMA\Master Plan\E-L&B Work Product\1-CAD\ALP\ALP_E-TRANSMIT_10-21-2015\ISP-Sheet 13.dwg
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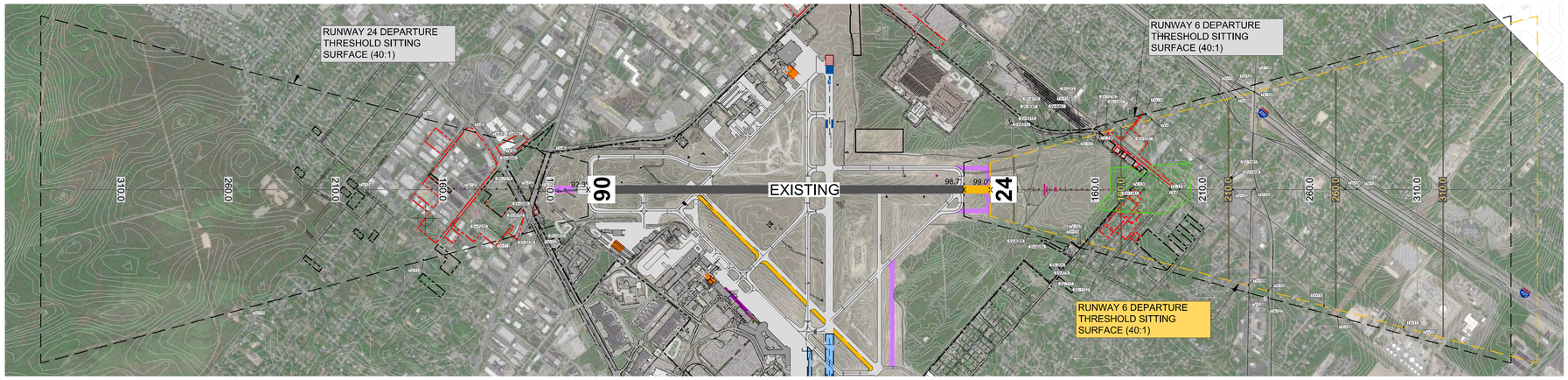
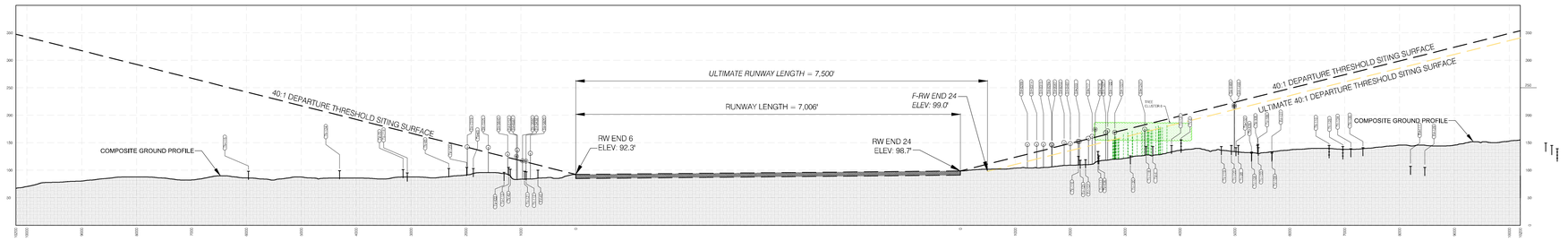


RUNWAY 6-24 PLAN

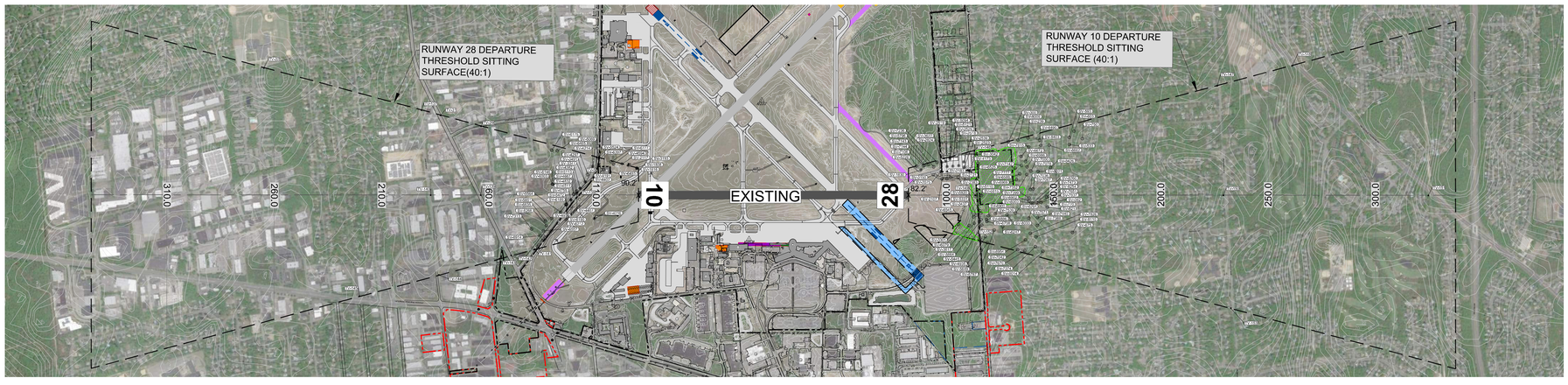
SCALE: 1" = 1,000'

SEE SHEET 15 FOR RUNWAY 6-24 40:1 DEPARTURE SURFACE OBSTRUCTIONS DATA TABLES



RUNWAY 6-24 COMPOSITE PROFILE

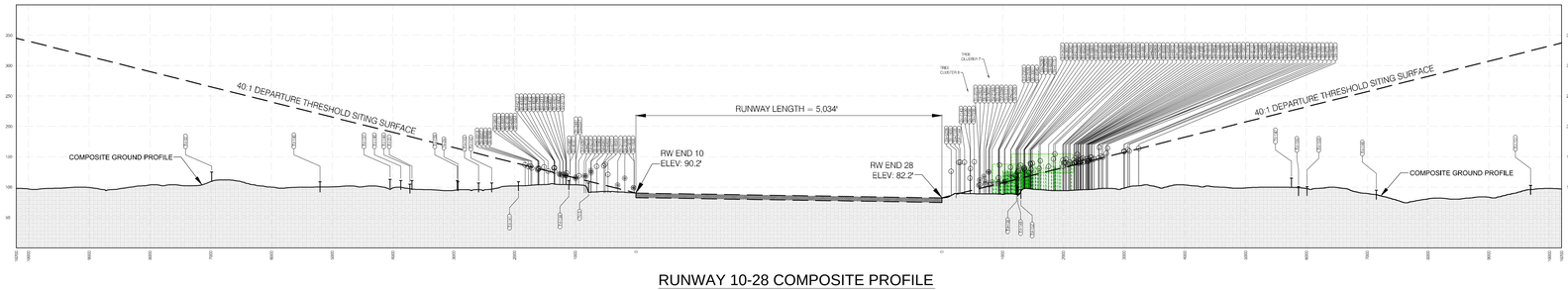
SCALE: HORIZ.: 1" = 1,000'
VERT.: 1" = 100'



RUNWAY 10-28 PLAN

SCALE: 1" = 1,000'

SEE SHEET 15 FOR RUNWAY 10-28 40:1 DEPARTURE SURFACE OBSTRUCTIONS DATA TABLES



RUNWAY 10-28 COMPOSITE PROFILE

SCALE: HORIZ.: 1" = 1,000'
VERT.: 1" = 100'

Declination 13.5° (November 2013)
Changing 8' 1.8" E. per year

DRAWING LEGEND

ITEM	EXISTING	FUTURE
GROUND CONTOUR	680	
GROUND (COMPOSITE)		
AIRPORT PROPERTY LINE (FEE SIMPLE)		
RUNWAY PAVEMENT		
DEPARTURE THRESHOLD SITING SURFACE		
SURFACE CONTOUR	600	600
TREE CLUSTER		
FIELD SURVEYED OBSTACLE IDENTIFICATION	SV-####	
TREE OBSTRUCTION POINT	SV-####	
OBSTRUCTION POINT (NON TREE)	SV-####	
TRAVERSE WAY LOCATION - - NON-INTERSTATE +15' - INTERSTATE +17' - RAILROAD +23'	TV-#### TV-####	

RUNWAY 6-24 TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-124	SYCAMORE AVE.	99	-101	THSS-DPRT-RW24-EX	NONE
TV-123	LOCUST AVE.	105	-37	THSS-DPRT-RW24-EX	NONE
TV-122	VETERANS MEMORIAL HWY.	98	-27	THSS-DPRT-RW24-EX	NONE
TV-121	LAKELAND AVE.	98	-18	THSS-DPRT-RW24-EX	NONE
TV-115	SYCAMORE AVE.	93	-148	THSS-DPRT-RW24-EX	NONE
TV-114	LOCUST AVE.	95	-74	THSS-DPRT-RW24-EX	NONE
TV-113	LAKELAND AVE.	105	-18	THSS-DPRT-RW24-EX	NONE
TV-112	VETERANS MEMORIAL HWY.	99	-16	THSS-DPRT-RW24-EX	NONE
TV-70	SYCAMORE AVE.	101	-70	THSS-DPRT-RW24-EX	NONE
TV-65	OCEAN AVE.	103	-47	THSS-DPRT-RW24-EX	NONE
TV-63	VETERANS MEMORIAL HWY.	105	-34	THSS-DPRT-RW24-EX	NONE
TV-42	VETERANS MEMORIAL HWY.	99	-23	THSS-DPRT-RW24-EX	NONE
TV-40	LAKELAND AVE.	100	-10	THSS-DPRT-RW24-EX	NONE
TV-6	RAILROAD	155	-44	THSS-DPRT-RW06-EX	NONE
TV-106	PATCHOGUE HOLBROOK RD.	147	-87	THSS-DPRT-RW06-EX	NONE
TV-135	I-495	143	-139	THSS-DPRT-RW06-EX	NONE
TV-134	EXPRESS DR. S	139	-138	THSS-DPRT-RW06-EX	NONE
TV-133	PATCHOGUE HOLBROOK RD.	141	-93	THSS-DPRT-RW06-EX	NONE
TV-132	UNION AVE.	141	-83	THSS-DPRT-RW06-EX	NONE
TV-131	RAILROAD AVE.	145	-50	THSS-DPRT-RW06-EX	NONE
TV-130	LINCOLN AVE.	126	-50	THSS-DPRT-RW06-EX	NONE
TV-129	UNION AVE.	105	-205	THSS-DPRT-RW06-EX	NONE
TV-128	RAILROAD	143	-130	THSS-DPRT-RW06-EX	NONE
TV-127	PATCHOGUE HOLBROOK RD.	131	-109	THSS-DPRT-RW06-EX	NONE
TV-126	MAIN ST.	131	-100	THSS-DPRT-RW06-EX	NONE
TV-125	LINCOLN AVE.	118	-35	THSS-DPRT-RW06-EX	NONE
TV-120	I-495	145	-77	THSS-DPRT-RW06-EX	NONE
TV-119	EXPRESS DR. S	143	-75	THSS-DPRT-RW06-EX	NONE
TV-118	UNION AVE.	143	-40	THSS-DPRT-RW06-EX	NONE
TV-117	RAILROAD	134	-27	THSS-DPRT-RW06-EX	NONE
TV-116	RAILROAD AVE.	125	-27	THSS-DPRT-RW06-EX	NONE

RUNWAY 6 FUTURE TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-111	UNION AVE.	107	-185	THSS-DPRT-RW06-FUT	NONE
TV-110	RAILROAD	145	-110	THSS-DPRT-RW06-FUT	NONE
TV-109	PATCHOGUE HOLBROOK RD.	133	-96	THSS-DPRT-RW06-FUT	NONE
TV-108	MAIN ST.	133	-86	THSS-DPRT-RW06-FUT	NONE
TV-107	LINCOLN AVE.	119	-25	THSS-DPRT-RW06-FUT	NONE
TV-105	PATCHOGUE HOLBROOK RD.	145	-77	THSS-DPRT-RW06-FUT	NONE
TV-98	I-495	145	-68	THSS-DPRT-RW06-FUT	NONE
TV-4	UNION AVE.	143	-31	THSS-DPRT-RW06-FUT	NONE
TV-136	RAILROAD AVE.	126	-24	THSS-DPRT-RW06-FUT	NONE

RUNWAY 10 - 28 TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-153	BROADWAY AVE.	101	-131	THSS-DPRT-RW10-EX	NONE
TV-152	LINCOLN AVE.	96	-19	THSS-DPRT-RW10-EX	NONE
TV-151	PATCHOGUE HOLBROOK RD.	103	-221	THSS-DPRT-RW10-EX	NONE
TV-150	BROADWAY AVE.	101	-128	THSS-DPRT-RW10-EX	NONE
TV-149	LINCOLN AVE.	100	-13	THSS-DPRT-RW10-EX	NONE
TV-148	PATCHOGUE HOLBROOK RD.	95	-166	THSS-DPRT-RW10-EX	NONE
TV-147	BROADWAY AVE.	115	-111	THSS-DPRT-RW10-EX	NONE
TV-146	LINCOLN AVE.	103	-10	THSS-DPRT-RW10-EX	NONE
TV-145	VETERANS MEMORIAL HWY.	109	-111	THSS-DPRT-RW28-EX	NONE
TV-144	OCEAN AVE.	105	-78	THSS-DPRT-RW28-EX	NONE
TV-143	LOCUST AVE.	109	-46	THSS-DPRT-RW28-EX	NONE
TV-142	LAKELAND AVE.	107	-43	THSS-DPRT-RW28-EX	NONE
TV-141	SMITHTOWN AVE.	109	-30	THSS-DPRT-RW28-EX	NONE
TV-140	OCEAN AVE.	111	-76	THSS-DPRT-RW28-EX	NONE
TV-139	LAKELAND AVE.	111	-53	THSS-DPRT-RW28-EX	NONE
TV-138	SMITHTOWN AVE.	111	-7	THSS-DPRT-RW28-EX	NONE
TV-137	OCEAN AVE.	113	-78	THSS-DPRT-RW28-EX	NONE
TV-32	PECONIC ST.	125	-140	THSS-DPRT-RW28-EX	NONE
TV-31	LAKELAND AVE.	111	-71	THSS-DPRT-RW28-EX	NONE
TV-29	MARCONI AVE.	109	-54	THSS-DPRT-RW28-EX	NONE
TV-5	SMITHTOWN AVE.	107	-3	THSS-DPRT-RW28-EX	NONE

NOTE:

1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
3. AERIAL SOURCE: GOOGLE EARTH PRO, 2015.
4. ADDITIONAL TOPOGRAPHY OUTSIDE OF THE SURVEY AREA OBTAINED FROM THE U.S. GEOLOGICAL SURVEY (USGS), SRTM WORLDWIDE ELEVATION DATA.

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 6-24 & RUNWAY 10-28 DEPARTURE SURFACE DRAWING

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

L&B JKL

SCALE: AS SHOWN | CONTR. NO.

DATE: MARCH 2016 | SHEET: 14 of 23

RUNWAY 6 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 6

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
203	TREE	153.2	45.1	0.4	REMOVE/LOWER AS FUNDS ALLOW
204	TREE	153.3	49.3	1.0	REMOVE/LOWER AS FUNDS ALLOW
350	TREE	155.1	48.8	2.9	REMOVE/LOWER AS FUNDS ALLOW
418	TREE	155.9	54.2	6.9	REMOVE/LOWER AS FUNDS ALLOW
578	TREE	158.9	54.9	1.9	REMOVE/LOWER AS FUNDS ALLOW
686	TREE	161.8	53.2	0.4	REMOVE/LOWER AS FUNDS ALLOW
717	TREE	162.7	57.1	4.0	REMOVE/LOWER AS FUNDS ALLOW
765	TREE	164.0	56.8	5.8	REMOVE/LOWER AS FUNDS ALLOW
840	TREE	165.6	57.8	10.2	REMOVE/LOWER AS FUNDS ALLOW
942	TREE	167.6	50.4	0.4	REMOVE/LOWER AS FUNDS ALLOW
1007	TREE	169.5	54.4	4.6	REMOVE/LOWER AS FUNDS ALLOW
1008	TREE	169.5	60.1	5.3	REMOVE/LOWER AS FUNDS ALLOW
1027	TREE	169.9	49.1	0.9	REMOVE/LOWER AS FUNDS ALLOW
1122	TREE	172.7	62.5	7.0	REMOVE/LOWER AS FUNDS ALLOW
1216	TELEPHONE PYLON/POLE	175.0	64.0	14.9	NO ACTION
1223	TREE	175.3	58.8	0.3	REMOVE/LOWER AS FUNDS ALLOW
7009	TREE	140.0	35.6	0.3	REMOVE/LOWER AS FUNDS ALLOW
7515	TREE	143.0	37.9	0.3	REMOVE/LOWER AS FUNDS ALLOW
8067	TREE	146.4	40.2	5.9	REMOVE/LOWER AS FUNDS ALLOW
8269	TREE	147.8	47.9	18.5	REMOVE/LOWER AS FUNDS ALLOW
8284	TREE	147.9	47.1	7.6	REMOVE/LOWER AS FUNDS ALLOW
8314	TREE	148.1	43.4	14.7	REMOVE/LOWER AS FUNDS ALLOW
8315	TREE	148.1	43.3	11.6	REMOVE/LOWER AS FUNDS ALLOW
8467	TREE	149.3	41.5	0.5	REMOVE/LOWER AS FUNDS ALLOW
8702	TREE	151.2	44.5	5.3	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 6 - FUTURE 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 6

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
350	TREE	155.1	48.8	14.9	REMOVE/LOWER AS FUNDS ALLOW
418	TREE	155.9	54.2	18.9	REMOVE/LOWER AS FUNDS ALLOW
449	TREE CLUSTER 6	156.6	47.6	0.6	REMOVE/LOWER AS FUNDS ALLOW
476	TREE CLUSTER 6	157.0	48.0	0.5	REMOVE/LOWER AS FUNDS ALLOW
485	TREE CLUSTER 6	157.2	47.7	0.2	REMOVE/LOWER AS FUNDS ALLOW
490	TREE CLUSTER 6	157.2	48.2	1.0	REMOVE/LOWER AS FUNDS ALLOW
553	TREE CLUSTER 6	158.3	49.3	1.2	REMOVE/LOWER AS FUNDS ALLOW
558	TREE CLUSTER 6	158.4	49.4	1.7	REMOVE/LOWER AS FUNDS ALLOW
569	TREE CLUSTER 6	158.7	49.6	1.1	REMOVE/LOWER AS FUNDS ALLOW
570	TREE CLUSTER 6	158.8	49.3	1.8	REMOVE/LOWER AS FUNDS ALLOW
571	TREE CLUSTER 6	158.8	49.2	1.4	REMOVE/LOWER AS FUNDS ALLOW
576	TREE CLUSTER 6	158.8	49.5	0.3	REMOVE/LOWER AS FUNDS ALLOW
590	TREE CLUSTER 6	159.1	49.4	0.7	REMOVE/LOWER AS FUNDS ALLOW
627	TREE CLUSTER 6	160.2	50.6	1.3	REMOVE/LOWER AS FUNDS ALLOW
671	TREE CLUSTER 6	161.4	52.0	4.6	REMOVE/LOWER AS FUNDS ALLOW
686	TREE	161.8	53.2	12.4	REMOVE/LOWER AS FUNDS ALLOW
711	TREE CLUSTER 6	162.5	52.9	5.1	REMOVE/LOWER AS FUNDS ALLOW
765	TREE	164.0	56.8	17.9	REMOVE/LOWER AS FUNDS ALLOW
840	TREE	165.6	57.8	22.3	REMOVE/LOWER AS FUNDS ALLOW
865	TREE CLUSTER 6	166.1	55.1	1.0	REMOVE/LOWER AS FUNDS ALLOW
881	TREE CLUSTER 6	166.3	50.9	5.4	REMOVE/LOWER AS FUNDS ALLOW
942	TREE	167.6	50.4	12.5	REMOVE/LOWER AS FUNDS ALLOW
964	TREE CLUSTER 6	168.5	52.1	5.4	REMOVE/LOWER AS FUNDS ALLOW
1008	TREE	169.5	60.1	17.4	REMOVE/LOWER AS FUNDS ALLOW
1014	TREE CLUSTER 6	169.6	58.0	2.5	REMOVE/LOWER AS FUNDS ALLOW
1018	TREE CLUSTER 6	169.7	50.7	6.9	REMOVE/LOWER AS FUNDS ALLOW
1028	TREE CLUSTER 6	169.9	46.1	0.3	REMOVE/LOWER AS FUNDS ALLOW
1062	TREE CLUSTER 6	170.9	45.5	0.2	REMOVE/LOWER AS FUNDS ALLOW
1104	TREE CLUSTER 6	172.3	51.5	7.3	REMOVE/LOWER AS FUNDS ALLOW
1109	TREE CLUSTER 6	172.4	58.4	3.2	REMOVE/LOWER AS FUNDS ALLOW
1126	TREE CLUSTER 6	172.7	48.2	0.6	REMOVE/LOWER AS FUNDS ALLOW
1146	TREE CLUSTER 6	173.2	56.8	2.7	REMOVE/LOWER AS FUNDS ALLOW
1185	TREE CLUSTER 6	174.0	52.8	0.4	REMOVE/LOWER AS FUNDS ALLOW
1194	TREE CLUSTER 6	174.3	51.7	0.1	REMOVE/LOWER AS FUNDS ALLOW
1197	TREE CLUSTER 6	174.4	48.3	1.9	REMOVE/LOWER AS FUNDS ALLOW
1198	TREE CLUSTER 6	174.4	48.0	1.0	REMOVE/LOWER AS FUNDS ALLOW
1221	TREE CLUSTER 6	175.3	57.7	3.6	REMOVE/LOWER AS FUNDS ALLOW
1223	TREE	175.3	58.8	12.3	REMOVE/LOWER AS FUNDS ALLOW
1236	TREE CLUSTER 6	175.6	56.7	3.6	REMOVE/LOWER AS FUNDS ALLOW
1247	TREE CLUSTER 6	175.7	52.2	5.1	REMOVE/LOWER AS FUNDS ALLOW
1253	TREE CLUSTER 6	176.0	56.5	3.4	REMOVE/LOWER AS FUNDS ALLOW
1318	TREE CLUSTER 6	178.3	49.9	1.0	REMOVE/LOWER AS FUNDS ALLOW
1327	TREE CLUSTER 6	178.7	50.6	1.1	REMOVE/LOWER AS FUNDS ALLOW
1330	TREE CLUSTER 6	178.8	51.1	0.2	REMOVE/LOWER AS FUNDS ALLOW
1349	TREE CLUSTER 6	179.4	50.3	1.5	REMOVE/LOWER AS FUNDS ALLOW
1351	TREE CLUSTER 6	179.5	52.1	2.6	REMOVE/LOWER AS FUNDS ALLOW
1367	TREE CLUSTER 6	180.5	53.3	4.9	REMOVE/LOWER AS FUNDS ALLOW
1392	TREE CLUSTER 6	182.2	54.7	5.5	REMOVE/LOWER AS FUNDS ALLOW
1401	TREE CLUSTER 6	182.8	55.5	2.1	REMOVE/LOWER AS FUNDS ALLOW
1458	ANTENNA	216.3	85.5	4.9	NO ACTION
1461	OL TWR 18	219.0	88.2	7.7	NO ACTION
7009	TREE	140.0	35.6	12.3	REMOVE/LOWER AS FUNDS ALLOW
7515	TREE	143.0	37.9	12.3	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 24 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 24

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
3438	TELEPHONE PYLON/POLE	116.3	28.8	1.3	NO ACTION
3580	TELEPHONE PYLON/POLE	117.1	35.1	0.5	NO ACTION
5152	FLAG POLE	125.2	42.3	5.9	NO ACTION
5640	TREE	129.2	48.1	5.8	REMOVE/LOWER AS FUNDS ALLOW
5820	TREE	130.6	47.6	17.7	REMOVE/LOWER AS FUNDS ALLOW
6587	TREE	136.6	53.2	17.7	REMOVE/LOWER AS FUNDS ALLOW
7225	TREE	141.5	55.1	9.3	REMOVE/LOWER AS FUNDS ALLOW
7379	TREE	142.4	51.2	0.6	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 24 - FUTURE 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 24

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
3438	TELEPHONE PYLON/POLE	116.3	33.6	1.3	NO ACTION
3580	TELEPHONE PYLON/POLE	117.1	35.1	0.5	NO ACTION
5152	FLAG POLE	125.2	42.3	5.9	NO ACTION
5640	TREE	129.2	48.1	5.8	REMOVE/LOWER AS FUNDS ALLOW
5820	TREE	130.6	47.6	17.7	REMOVE/LOWER AS FUNDS ALLOW
6587	TREE	136.6	53.2	17.7	REMOVE/LOWER AS FUNDS ALLOW
7225	TREE	141.5	55.1	9.3	REMOVE/LOWER AS FUNDS ALLOW
7379	TREE	142.4	51.2	0.6	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 10 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 10

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION	ACTION
239	TREE	153.7	58.5	15.7	REMOVE/LOWER AS FUNDS ALLOW
300	TREE	154.4	58.5	25.6	REMOVE/LOWER AS FUNDS ALLOW
382	TREE	155.5	57.7	5.7	REMOVE/LOWER AS FUNDS ALLOW
533	TREE	158.0	59.1	0.8	REMOVE/LOWER AS FUNDS ALLOW
593	TREE	159.2	60.5	2.0	REMOVE/LOWER AS FUNDS ALLOW
602	TREE CLUSTER 8	159.4	63.2	37.5	REMOVE/LOWER AS FUNDS ALLOW
603	TREE	159.5	59.4	0.1	REMOVE/LOWER AS FUNDS ALLOW
675	TREE	161.5	68.6	2.8	REMOVE/LOWER AS FUNDS ALLOW
750	TREE	163.6	60.8	0.3	REMOVE/LOWER AS FUNDS ALLOW
770	TREE	164.0	66.7	13.6	REMOVE/LOWER AS FUNDS ALLOW
821	TREE	165.2	69.0	18.3	REMOVE/LOWER AS FUNDS ALLOW
1630	NATURAL HIGH POINT	89.4	0.0	1.3	REMOVE/LOWER AS FUNDS ALLOW
2075	PRIMARY ROAD	102.9	14.3	5.5	NO ACTION (MOVEABLE OBJECT)
2104	TREE CLUSTER 7	103.5	20.5	0.2	REMOVE/LOWER AS FUNDS ALLOW
2107	TREE	103.6	16.6	5.7	REMOVE/LOWER AS FUNDS ALLOW
2121	TREE	103.8	16.4	1.8	REMOVE/LOWER AS FUNDS ALLOW
2163	TREE CLUSTER 7	104.6	21.5	0.3	REMOVE/LOWER AS FUNDS ALLOW
2165	TREE CLUSTER 7	104.6	21.6	0.1	REMOVE/LOWER AS FUNDS ALLOW
2183	TREE	104.8	17.8	4.6	REMOVE/LOWER AS FUNDS ALLOW
2373	TREE CLUSTER 7	106.1	23.0	0.4	REMOVE/LOWER AS FUNDS ALLOW
2383	TREE	106.1	19.1	0.7	REMOVE/LOWER AS FUNDS ALLOW
2435	TREE CLUSTER 7	107.0	22.2	0.4	REMOVE/LOWER AS FUNDS ALLOW
2440	TREE CLUSTER 7	107.0	23.0	0.5	REMOVE/LOWER AS FUNDS ALLOW
2449	TREE CLUSTER 7	107.2	23.4	0.5	REMOVE/LOWER AS FUNDS ALLOW
2488	TREE CLUSTER 7	107.7	23.8	1.2	REMOVE/LOWER AS FUNDS ALLOW
2510	TREE CLUSTER 7	108.0	24.3	2.0	REMOVE/LOWER AS FUNDS ALLOW
2511	TREE CLUSTER 7	108.0	24.3	1.8	REMOVE/LOWER AS FUNDS ALLOW
2518	BUILDING	108.1	19.1	2.5	NO ACTION
2519	BUILDING	108.1	19.1	7.8	NO ACTION
2523	BUILDING	108.1	20.0	0.0	NO ACTION
2527	TREE CLUSTER 7	108.2	23.2	0.5	REMOVE/LOWER AS FUNDS ALLOW
2529	BUILDING	108.2	19.2	5.3	NO ACTION
2532	TREE CLUSTER 7	108.3	23.6	2.0	REMOVE/LOWER AS FUNDS ALLOW
2539	BUILDING	108.4	20.4	0.4	NO ACTION
2557	TREE CLUSTER 7	108.5	23.5	2.3	REMOVE/LOWER AS FUNDS ALLOW
2573	TREE CLUSTER 7	108.8	25.7	5.5	REMOVE/LOWER AS FUNDS ALLOW
2575	TREE CLUSTER 7	108.8	25.8	5.2	REMOVE/LOWER AS FUNDS ALLOW
2576	TREE CLUSTER 7	108.8	25.8	3.8	REMOVE/LOWER AS FUNDS ALLOW
2684	TREE CLUSTER 7	110.3	25.6	2.6	REMOVE/LOWER AS FUNDS ALLOW
2824	BUILDING	111.6	22.6	13.8	REMOVE/LOWER AS FUNDS ALLOW
2845	TREE CLUSTER 7	111.8	28.8	6.9	REMOVE/LOWER AS FUNDS ALLOW
2846	TREE CLUSTER 7	111.8	26.9	3.7	REMOVE/LOWER AS FUNDS ALLOW
2897	TREE CLUSTER 7	112.2	27.2	4.8	REMOVE/LOWER AS FUNDS ALLOW
2914	TREE CLUSTER 7	112.4	29.7	3.5	REMOVE/LOWER AS FUNDS ALLOW
2959	TREE CLUSTER 7	112.8	30.2	3.5	REMOVE/LOWER AS FUNDS ALLOW
3042	TELEPHONE PYLON/POLE	113.7	26.2	0.5	NO ACTION
3072	TREE CLUSTER 7	114.1	31.1	9.9	REMOVE/LOWER AS FUNDS ALLOW
3150	TREE	114.6	27.4	20.8	REMOVE/LOWER AS FUNDS ALLOW
3185	TREE CLUSTER 8	114.9	29.9	2.0	REMOVE/LOWER AS FUNDS ALLOW
3236	TREE CLUSTER 8	115.1	30.1	2.3	REMOVE/LOWER AS FUNDS ALLOW
3301	TREE	115.5	32.5	9.9	REMOVE/LOWER AS FUNDS ALLOW
3347	TREE CLUSTER 8	115.8	31.6	1.2	REMOVE/LOWER AS FUNDS ALLOW
3437	TREE	118.9	35.9	6.3	REMOVE/LOWER AS FUNDS ALLOW
3466	TREE CLUSTER 7	116.5	33.5	12.0	REMOVE/LOWER AS FUNDS ALLOW
3483	TREE CLUSTER 8	116.6	31.6	3.2	REMOVE/LOWER AS FUNDS ALLOW
3589	TREE CLUSTER 7	117.1	33.5	9.8	REMOVE/LOWER AS FUNDS ALLOW
3604	TREE CLUSTER 8	117.2	32.2	4.3	REMOVE/LOWER AS FUNDS ALLOW
3617	TREE	117.2	34.7	4.3	REMOVE/LOWER AS FUNDS ALLOW
3622	BUILDING	117.2	28.2	17.8	NO ACTION
3641	TREE CLUSTER 8	117.3	23.5	0.8	REMOVE/LOWER AS FUNDS ALLOW
3674	TREE CLUSTER 7	117.4	35.0	7.6	REMOVE/LOWER AS FUNDS ALLOW
3740	TREE CLUSTER 8	117.8	23.8	0.7	REMOVE/LOWER AS FUNDS ALLOW
3832	TREE CLUSTER 8	118.0	33.1	6.2	REMOVE/LOWER AS FUNDS ALLOW
3837	TREE CLUSTER 7	118.0	36.1	6.7	REMOVE/LOWER AS FUNDS ALLOW
3850	TREE CLUSTER 8	118.1	25.0	0.3	REMOVE/LOWER AS FUNDS ALLOW
3885	TREE CLUSTER 8	118.2	33.4	4.7	REMOVE/LOWER AS FUNDS ALLOW
3886	TREE CLUSTER 8	118.2	24.4	0.8	REMOVE/LOWER AS FUNDS ALLOW
3922	TREE CLUSTER 8	118.4	24.4	0.0	REMOVE/LOWER AS FUNDS ALLOW
3942	TREE CLUSTER 8	118.4	28.4	2.3	REMOVE/LOWER AS FUNDS ALLOW
3954	TREE CLUSTER 7	118.4	36.3	8.0	REMOVE/LOWER AS FUNDS ALLOW
4049	TREE CLUSTER 8	118.8	27.6	0.3	REMOVE/LOWER AS FUNDS ALLOW
4050	TREE CLUSTER 8	118.8	26.1	0.9	REMOVE/LOWER AS FUNDS ALLOW
4053	TREE CLUSTER 7	118.8	36.5	8.7	REMOVE/LOWER AS FUNDS ALLOW
4137	TREE CLUSTER 7	119.1	36.6	9.6	REMOVE/LOWER AS FUNDS ALLOW
4163	TREE CLUSTER 8	119.3	34.3	6.0	REMOVE/LOWER AS FUNDS ALLOW
4173	ANTENNA	119.3	32.2	8.7	NO ACTION
4184	TREE CLUSTER 8	119.3	26.0	0.2	REMOVE/LOWER AS FUNDS ALLOW
4193	TREE CLUSTER 8	119.4	25.9	1.8	REMOVE/LOWER AS FUNDS ALLOW
4209	TREE CLUSTER 8	119.5	34.5	6.4	REMOVE/LOWER AS FUNDS ALLOW
4221	TREE CLUSTER 8	119.6	28.1	2.1	REMOVE/LOWER AS FUNDS ALLOW
4222	TREE CLUSTER 8	119.6	31.0	2.7	REMOVE/LOWER AS FUNDS ALLOW
4241	TREE	119.7	36.8	11.2	REMOVE/LOWER AS FUNDS ALLOW
4252	TREE CLUSTER 8	119.7	26.1	1.3	REMOVE/LOWER AS FUNDS ALLOW
4255	TREE CLUSTER 7	119.7	36.1	12.1	REMOVE/LOWER AS FUNDS ALLOW
4272	TREE CLUSTER 8	119.9	30.3	3.2	REMOVE/LOWER AS FUNDS ALLOW
4285	TREE CLUSTER 8	119.9	26.9	1.1	REMOVE/LOWER AS FUNDS ALLOW
4300	TREE CLUSTER 8	120.0	26.0	3.2	REMOVE/LOWER AS FUNDS ALLOW
4301	TREE CLUSTER 7	120.0	35.3	11.9	REMOVE/LOWER AS FUNDS ALLOW
4316	TREE CLUSTER 8	120.1	27.0	2.7	REMOVE/LOWER AS FUNDS ALLOW
4324	TREE CLUSTER 7	120.1	38.0	9.3	REMOVE/LOWER AS FUNDS ALLOW
4360	TREE CLUSTER 8	120.3	36.2	5.3	REMOVE/LOWER AS FUNDS ALLOW
4391	TREE CLUSTER 8	120.4	28.6	1.1	REMOVE/LOWER AS FUNDS ALLOW
4396	TREE CLUSTER 7	120.4	38.4	9.2	REMOVE/LOWER AS FUNDS ALLOW
4409	TREE CLUSTER 8	120.5	29.0	1.0	REMOVE/LOWER AS FUNDS ALLOW
4410	TREE CLUSTER 8	120.5	26.8	2.4	REMOVE/LOWER AS FUNDS ALLOW
4414	TREE CLUSTER 7	120.5	39.1	7.6	REMOVE/LOWER AS FUNDS ALLOW
4434	TREE CLUSTER 8	120.6	29.6	3.6	REMOVE/LOWER AS FUNDS ALLOW
4441	TREE CLUSTER 8	120.7	27.4	2.1	REMOVE/LOWER AS FUNDS ALLOW
4472	TREE CLUSTER 8	120.8	28.5	1.0	REMOVE/LOWER AS FUNDS ALLOW
4476	TREE CLUSTER 7	120.8	38.8	9.8	REMOVE/LOWER AS FUNDS ALLOW
4492	TREE CLUSTER 8	120.9	36.0	7.7	REMOVE/LOWER AS FUNDS ALLOW
4493	TREE CLUSTER 8	120.9	28.0	2.9	REMOVE/LOWER AS FUNDS ALLOW
4500	TREE CLUSTER 7	120.9	39.0	9.2	REMOVE/LOWER AS FUNDS ALLOW
4518	TREE CLUSTER 7	121.1	40.0	7.4	REMOVE/LOWER AS FUNDS ALLOW
4546	TREE CLUSTER 8	121.3	30.7	0.6	REMOVE/LOWER AS FUNDS ALLOW
4559	TREE CLUSTER 7	121.3	38.8	12.2	REMOVE/LOWER AS FUNDS ALLOW
4565	TREE CLUSTER 8	121.4	36.4	8.2	REMOVE/LOWER AS FUNDS ALLOW
4566	TREE CLUSTER 8	121.4	27.9	2.8	REMOVE/LOWER AS FUNDS ALLOW
4579	TREE CLUSTER 8	121.5	29.7	4.1	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 10 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 10

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION	ACTION
4598	TREE CLUSTER 8	121.6	36.8	5.7	REMOVE/LOWER AS FUNDS ALLOW
4599	TREE CLUSTER 8	121.6	27.9	4.2	REMOVE/LOWER AS FUNDS ALLOW
4612	TREE CLUSTER 8	121.7	35.9	9.3	REMOVE/LOWER AS FUNDS ALLOW
4613	TREE CLUSTER 8	121.7	28.3	3.3	REMOVE/LOWER AS FUNDS ALLOW
4642	TREE CLUSTER 8	121.8	31.7	4.9	REMOVE/LOWER AS FUNDS ALLOW
4656	TREE CLUSTER 8	121.9	36.9	8.9	REMOVE/LOWER AS FUNDS ALLOW
4681	TREE CLUSTER 7	122.0	38.0	13.5	REMOVE/LOWER AS FUNDS ALLOW
4686	TREE CLUSTER 8	122.1	37.1	8.8	REMOVE/LOWER AS FUNDS ALLOW
4699	TREE CLUSTER 8	122.2	32.3	6.5	REMOVE/LOWER AS FUNDS ALLOW
4700	TREE CLUSTER 8	122.2	29.2	4.4	REMOVE/LOWER AS FUNDS ALLOW
4707	TREE CLUSTER 8	122.2	28.3	4.1	REMOVE/LOWER AS FUNDS ALLOW
4709	TREE CLUSTER 8	122.2	31.9	1.3	REMOVE/LOWER AS FUNDS ALLOW
4721	TREE CLUSTER 8	122.3	29.4	4.0	REMOVE/LOWER AS FUNDS ALLOW
4724	TREE CLUSTER 7	122.3	38.7	13.4	REMOVE/LOWER AS FUNDS ALLOW
4729	TREE CLUSTER 8	122.4	33.9	4.9	REMOVE/LOWER AS FUNDS ALLOW
4731	TREE CLUSTER 7	122.4	39.2	14.7	REMOVE/LOWER AS FUNDS ALLOW
4733	TREE CLUSTER 7	122.4	40.4	10.7	REMOVE/LOWER AS FUNDS ALLOW
4743	TREE CLUSTER 8	122.4	36.2	6.1	REMOVE/LOWER AS FUNDS ALLOW
4744	TREE CLUSTER 8	122.4	35.2	6.4	REMOVE/LOWER AS FUNDS ALLOW
4746	TREE CLUSTER 8	122.4	32.9	0.6	REMOVE/LOWER AS FUNDS ALLOW
4758	TREE CLUSTER 8	122.5	34.3	0.3	REMOVE/LOWER AS FUNDS ALLOW
4765	TREE CLUSTER 8	122.5	28.8	4.0	REMOVE/LOWER AS FUNDS ALLOW
4767	TREE CLUSTER 8	122.6	29.4	5.2	REMOVE/LOWER AS FUNDS ALLOW
4768	TREE CLUSTER 8	122.6	30.8	5.0	REMOVE/LOWER AS FUNDS ALLOW
4791	TREE CLUSTER 8	122.7	29.4	4.7	REMOVE/LOWER AS FUNDS ALLOW
4792	TREE CLUSTER 8	122.7	30.7	4.5	REMOVE/LOWER AS FUNDS ALLOW
4793	TREE CLUSTER 7	122.7	40.0	14.3	REMOVE/LOWER AS FUNDS ALLOW
4800	TREE CLUSTER 8	122.8	38.3	7.7	REMOVE/LOWER AS FUNDS ALLOW
4810	TREE CLUSTER 8	122.8	31.0	5.3	REMOVE/LOWER AS FUNDS ALLOW
4816	TREE CLUSTER 7	122.8	41.2	10.5	REMOVE/LOWER AS FUNDS ALLOW
4836	TREE CLUSTER 8	123.0	33.4	5.1	REMOVE/LOWER AS FUNDS ALLOW
4858	TREE CLUSTER 8	123.1	31.6	5.7	REMOVE/LOWER AS FUNDS ALLOW
4876	TREE CLUSTER 8	123.2	31.2	5.3	REMOVE/LOWER AS FUNDS ALLOW
4880	TREE CLUSTER 8	123.3	37.2	10.6	REMOVE/LOWER AS FUNDS ALLOW
4898	TREE CLUSTER 8	123.4	37.7	11.0	REMOVE/LOWER AS FUNDS ALLOW
4899	TREE CLUSTER 8	123.4	36.0	7.4	REMOVE/LOWER AS FUNDS ALLOW
4912	TREE CLUSTER 8	123.5	38.5	10.4	REMOVE/LOWER AS FUNDS ALLOW
4918	TREE CLUSTER 8	123.6	39.5	8.8	REMOVE/LOWER AS FUNDS ALLOW
4925	TREE CLUSTER 7	123.6	42.8	9.5	REMOVE/LOWER AS FUNDS ALLOW
4935	TREE	123.7	41.1	5.5	REMOVE/LOWER AS FUNDS ALLOW
4947	TREE CLUSTER 7	123.8	42.1	11.5	REMOVE/LOWER AS FUNDS ALLOW
4955	TREE CLUSTER 8	123.8	39.8	8.3	REMOVE/LOWER AS FUNDS ALLOW
4956	TREE CLUSTER 8	123.8	30.2	7.2	REMOVE/LOWER AS FUNDS ALLOW
4990	TREE CLUSTER 8	124.0	39.9	9.0	REMOVE/LOWER AS FUNDS ALLOW
4991	TREE CLUSTER 7	124.0	43.1	10.1	REMOVE/LOWER AS FUNDS ALLOW
5023	TREE CLUSTER 8	124.3	39.6	8.4	REMOVE/LOWER AS FUNDS ALLOW
5024	TREE CLUSTER 8	124.3	40.2	9.1	REMOVE/LOWER AS FUNDS ALLOW
5031	TREE CLUSTER 8	124.4	32.6	0.2	REMOVE/LOWER AS FUNDS ALLOW
5060	TREE CLUSTER 8	124.6	30.8	7.6	REMOVE/LOWER AS FUNDS ALLOW
5061	TREE CLUSTER 8	124.6	36.9	1.6	REMOVE/LOWER AS FUNDS ALLOW
5063	TREE CLUSTER 7	124.6	41.6	15.9	REMOVE/LOWER AS FUNDS ALLOW
5087	TREE CLUSTER 8	124.8	31.7	7.6	REMOVE/LOWER AS FUNDS ALLOW
5088	TREE CLUSTER 7	124.8	40.5	16.3	REMOVE/LOWER AS FUNDS ALLOW
5094	BUILDING	124.8	35.8	23.3	NO ACTION
5095	TREE CLUSTER 8	124.8	39.9	8.9	REMOVE/LOWER AS FUNDS ALLOW
5096	TREE CLUSTER 7	124.9	40.7	16.7	REMOVE/LOWER AS FUNDS ALLOW
5097	TREE CLUSTER 7	124.9	42.3	15.6	REMOVE/LOWER AS FUNDS ALLOW
5110	TREE	125.0	40.0	11.6	REMOVE/LOWER AS FUNDS ALLOW
5111	TREE CLUSTER 8	125.0	40.0	13.0	REMOVE/LOWER AS FUNDS ALLOW
5112	TREE CLUSTER 8	125.0	33.9	7.6	REMOVE/LOWER AS FUNDS ALLOW
5121	BUILDING	125.0	36.0	23.5	NO ACTION
5124	TREE CLUSTER 8	125.1	40.3	13.3	REMOVE/LOWER AS FUNDS ALLOW
5133	TREE CLUSTER 8	125.1	39.2	12.4	REMOVE/LOWER AS FUNDS ALLOW
5134	TREE CLUSTER 8	125.1	40.7	11.6	REMOVE/LOWER AS FUNDS ALLOW
5143	TREE CLUSTER 8	125.2	37.3	2.4	REMOVE/LOWER AS FUNDS ALLOW
5144	TREE CLUSTER 7	125.2	41.0	17.6	REMOVE/LOWER AS FUNDS ALLOW
5155	TREE CLUSTER 8	125.3	34.4	7.6	REMOVE/LOWER AS FUNDS ALLOW
5159	TREE CLUSTER 8	125.3	34.0	6.4	REMOVE/LOWER AS FUNDS ALLOW
5160	TREE CLUSTER 8	125.3	35.3	3.8	REMOVE/LOWER AS FUNDS ALLOW
5161	TREE CLUSTER 7	125.3	41.8	17.4	REMOVE/LOWER AS FUNDS ALLOW
5183	TREE CLUSTER 8	125.5	38.9	8.9	REMOVE/LOWER AS FUNDS ALLOW
5185	TREE CLUSTER 8	125.5	41.5	12.0	REMOVE/LOWER AS FUNDS ALLOW
5192	TREE CLUSTER 8	125.6	37.0	8.3	REMOVE/LOWER AS FUNDS ALLOW
5205	TREE CLUSTER 7	125.7	43.2	16.0	REMOVE/LOWER AS FUNDS ALLOW
5210	TREE CLUSTER 7	125.7	42.7	17.5	REMOVE/LOWER AS FUNDS ALLOW
5226	TREE CLUSTER 7	125.9	43.9	14.5	REMOVE/LOWER AS FUNDS ALLOW
5227	TREE CLUSTER 8	125.9	40.9	12.8	REMOVE/LOWER AS FUNDS ALLOW
5228	TREE	125.9	39.8	39.9	REMOVE/LOWER AS FUNDS ALLOW
5236	TREE CLUSTER 8	125.9	35.6	9.7	REMOVE/LOWER AS FUNDS ALLOW
5238	TREE CLUSTER 8	125.9	40.1	13.8	REMOVE/LOWER AS FUNDS ALLOW
5243	TREE CLUSTER 8	126.0	36.7	6.1	REMOVE/LOWER AS FUNDS ALLOW
5256	TREE CLUSTER 8	126.1	35.0	8.2	REMOVE/LOWER AS FUNDS ALLOW
5266	TREE CLUSTER 8	126.1	39.9	9.8	REMOVE/LOWER AS FUNDS ALLOW
5267	TREE CLUSTER 8	126.1	33.9	10.2	REMOVE/LOWER AS FUNDS ALLOW
5281	TREE CLUSTER 7	126.2	44.1	15.4	REMOVE/LOWER AS FUNDS ALLOW
5303	TREE CLUSTER 8	126.4	35.3	7.5	REMOVE/LOWER AS FUNDS ALLOW
5304	TREE CLUSTER 7	126.4	43.5	17.0	REMOVE/LOWER AS FUNDS ALLOW
5305	TREE CLUSTER 8	126.4	40.3	11.6	REMOVE/LOWER AS FUNDS ALLOW
5315	TREE CLUSTER 7	126.5	43.4	16.9	REMOVE/LOWER AS FUNDS ALLOW
5324	TREE CLUSTER 8	126.5	40.3	14.0	REMOVE/LOWER AS FUNDS ALLOW
5331	TREE	126.6	44.2	12.8	REMOVE/LOWER AS FUNDS ALLOW
5345	TREE CLUSTER 8	126.7	38.8	9.2	REMOVE/LOWER AS FUNDS ALLOW
5346	TREE CLUSTER 7	126.7	43.0	17.6	REMOVE/LOWER AS FUNDS ALLOW
5353	TREE CLUSTER 7	126.8	43.0	19.6	REMOVE/LOWER AS FUNDS ALLOW
5376	TREE CLUSTER 8	127.0	33.2	10.7	REMOVE/LOWER AS FUNDS ALLOW
5392	TREE CLUSTER 7	127.2	43.3	19.9	REMOVE/LOWER AS FUNDS ALLOW
5403	TREE CLUSTER 8	127.3	43.3	11.8	REMOVE/LOWER AS FUNDS ALLOW
5404	TREE CLUSTER 8	127.3	37.1	10.6	REMOVE/LOWER AS FUNDS ALLOW
5407	TREE CLUSTER 7	127.3	44.2	18.2	REMOVE/LOWER AS FUNDS ALLOW
5425	TREE CLUSTER 8	127.4	41.2	10.9	REMOVE/LOWER AS FUNDS ALLOW
5430	TREE CLUSTER 8	127.5	36.5	8.2	REMOVE/LOWER AS FUNDS ALLOW
5431	TREE CLUSTER 7	127.5	45.2	17.3	REMOVE/LOWER AS FUNDS ALLOW
5432	TREE CLUSTER 7	127.5	44.2	18.9	REMOVE/LOWER AS FUNDS ALLOW
5445	TREE	127.6	47.1	11.1	REMOVE/LOWER AS FUNDS ALLOW
5461	TREE CLUSTER 8	127.7	43.7	14.4	REMOVE/LOWER AS FUNDS ALLOW
5465	TREE CLUSTER 7	127.8	45.1	17.5	REMOVE/LOWER AS FUNDS ALLOW
5466	TREE CLUSTER 7	127.8	43.8	18.7	REMOVE/LOWER AS FUNDS ALLOW
5477	TREE CLUSTER 8	127.8	37.1	8.0	REMOVE/LOWER AS FUNDS ALLOW
5478	TREE CLUSTER 8	127.8	35.8	9.9	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 10 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 10

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION	ACTION
5498	TREE CLUSTER 8	128.01	37.3	11.1	REMOVE/LOWER AS FUNDS ALLOW
5499	TREE CLUSTER 8	128.02	44.0	12.5	REMOVE/LOWER AS FUNDS ALLOW
5515	TREE CLUSTER 8	128.15	36.3	11.3	REMOVE/LOWER AS FUNDS ALLOW
5522	TREE CLUSTER 8	128.22	42.2	12.9	REMOVE/LOWER AS FUNDS ALLOW
5554	TREE CLUSTER 8	128.49	41.9	0.1	REMOVE/LOWER AS FUNDS ALLOW
5562	TREE CLUSTER 8	128.55	44.5	13.1	REMOVE/LOWER AS FUNDS ALLOW
5572	TREE CLUSTER 8	128.62	37.9	12.4	REMOVE/LOWER AS FUNDS ALLOW
5590	TREE CLUSTER 8	128.79	43.0	12.5	REMOVE/LOWER AS FUNDS ALLOW
5617	TREE CLUSTER 8	128.96	37.4	10.4	REMOVE/LOWER AS FUNDS ALLOW
5631	TREE CLUSTER 8	129.09	43.1	1.9	REMOVE/LOWER AS FUNDS ALLOW
5646	TREE CLUSTER 8	129.23	45.1	14.2	REMOVE/LOWER AS FUNDS ALLOW
5649	TREE	129.26	45.2	10.3	REMOVE/LOWER AS FUNDS ALLOW
5664	TREE	129.33	48.1	13.3	REMOVE/LOWER AS FUNDS ALLOW
5668	TREE CLUSTER 8	129.36	38.1	12.2	REMOVE/LOWER AS FUNDS ALLOW
5676	TREE CLUSTER 8	129.43	43.3	3.3	REMOVE/LOWER AS FUNDS ALLOW
5683	TREE CLUSTER 8	129.50	43.3	13.8	REMOVE/LOWER AS FUNDS ALLOW
5691	TREE CLUSTER 8	129.63	42.7	14.0	REMOVE/LOWER AS FUNDS ALLOW
5703	TREE CLUSTER 8	129.74	44.1	11.1	REMOVE/LOWER AS FUNDS ALLOW
5714	TREE CLUSTER 7	129.84	46.9	19.1	REMOVE/LOWER AS FUNDS ALLOW
5723	TREE CLUSTER 8	129.90	43.9	2.8	REMOVE/LOWER AS FUNDS ALLOW
5724	TREE CLUSTER 8	129.90	43.3	4.7	REMOVE/LOWER AS FUNDS ALLOW
5739	TREE CLUSTER 8	130.04	39.0	13.8	REMOVE/LOWER AS FUNDS ALLOW
5740	TREE CLUSTER 8	130.04	43.8	14.6	REMOVE/LOWER AS FUNDS ALLOW
5741	TREE CLUSTER 8	130.04	38.4	11.9	REMOVE/LOWER AS FUNDS ALLOW
5756	TREE CLUSTER 7	130.14	46.4	21.9	REMOVE/LOWER AS FUNDS ALLOW
5757	TREE CLUSTER 8	130.15	44.2	17.4	REMOVE/LOWER AS FUNDS ALLOW
5764	TREE CLUSTER 8	130.19	34.6	10.3	REMOVE/LOWER AS FUNDS ALLOW
5780	TREE CLUSTER 8	130.31	47.5	16.4	REMOVE/LOWER AS FUNDS ALLOW
5781	TREE CLUSTER 8	130.31	46.3	14.9	REMOVE/LOWER AS FUNDS ALLOW
5782	TREE CLUSTER 8	130.31	44.3	1.9	REMOVE/LOWER AS FUNDS ALLOW
5783	TREE CLUSTER 8	130.32	41.0	0.9	REMOVE/LOWER AS FUNDS ALLOW
5787	TREE	130.34	41.1	8.1	REMOVE/LOWER AS FUNDS ALLOW
5796	TREE	130.37	41.4	36.4	REMOVE/LOWER AS FUNDS ALLOW
5799	TREE CLUSTER 7	130.38	46.8	20.9	REMOVE/LOWER AS FUNDS ALLOW
5800	TREE CLUSTER 8	130.39	40.9	0.5	REMOVE/LOWER AS FUNDS ALLOW
5819	TREE CLUSTER 8	130.58	47.4	15.1	REMOVE/LOWER AS FUNDS ALLOW
5832	TREE CLUSTER 8	130.64	44.4	12.1	REMOVE/LOWER AS FUNDS ALLOW
5834	TREE CLUSTER 8	130.69	47.5	14.7	REMOVE/LOWER AS FUNDS ALLOW
5859	TREE CLUSTER 8	130.85	40.2	13.0	REMOVE/LOWER AS FUNDS ALLOW
5863	TREE CLUSTER 8	130.91	48.7	14.9	REMOVE/LOWER AS FUNDS ALLOW
5874	TREE CLUSTER 8	130.98	40.9	13.6	REMOVE/LOWER AS FUNDS ALLOW
5875	TREE CLUSTER 8	130.98	40.7	10.6	REMOVE/LOWER AS FUNDS ALLOW
5888	TREE CLUSTER 8	131.12	43.1	14.3	REMOVE/LOWER AS FUNDS ALLOW
5894	TREE CLUSTER 7	131.19	48.0	21.1	REMOVE/LOWER AS FUNDS ALLOW
5908	TREE CLUSTER 8	131.30	47.3	16.0	REMOVE/LOWER AS FUNDS ALLOW
5914	TREE CLUSTER 8	131.32	46.5	15.3	REMOVE/LOWER AS FUNDS ALLOW
5915	TREE	131.32	45.5	15.1	REMOVE/LOWER AS FUNDS ALLOW
5920	TREE	131.37	49.0	15.4	REMOVE/LOWER AS FUNDS ALLOW
5930	TREE CLUSTER 8	131.50	42.2	10.0	REMOVE/LOWER AS FUNDS ALLOW
5934	TREE CLUSTER 8	131.52	45.4	15.9	REMOVE/LOWER AS FUNDS ALLOW
5964	TREE CLUSTER 8	131.79	47.5	19.0	REMOVE/LOWER AS FUNDS ALLOW
5965	TREE CLUSTER 8	131.79	40.5	15.4	REMOVE/LOWER AS FUNDS ALLOW
5975	TREE CLUSTER 8	131.86	41.2	15.8	REMOVE/LOWER AS FUNDS ALLOW
5999	TREE CLUSTER 8	132.13	41.4	13.9	REMOVE/LOWER AS FUNDS ALLOW
6020	TREE CLUSTER 8	132.28	38.2	10.7	REMOVE/LOWER AS FUNDS ALLOW
6051	TREE CLUSTER 7	132.52	50.0	21.3	REMOVE/LOWER AS FUNDS ALLOW
6064	TREE CLUSTER 8	132.60	42.6	14.5	REMOVE/LOWER AS FUNDS ALLOW
6069	TREE CLUSTER 8	132.67	49.7	16.9	REMOVE/LOWER AS FUNDS ALLOW
6076	TREE CLUSTER 8	132.69	42.3	4.1	REMOVE/LOWER AS FUNDS ALLOW
6079	TREE	132.73	48.5	22.2	REMOVE/LOWER AS FUNDS ALLOW
6080	TREE CLUSTER 8	132.73	46.0	2.9	REMOVE/LOWER AS FUNDS ALLOW
6087	TREE CLUSTER 8	132.76	37.4	7.8	REMOVE/LOWER AS FUNDS ALLOW
6095	TREE CLUSTER 8	132.81	47.0	17.5	REMOVE/LOWER AS FUNDS ALLOW
6102	TREE CLUSTER 8	132.87	42.9	13.5	REMOVE/LOWER AS FUNDS ALLOW
6114	TREE CLUSTER 8	133.00	43.8	12.2	REMOVE/LOWER AS FUNDS ALLOW
6122	TREE CLUSTER 8	133.07	49.2	20.0	REMOVE/LOWER AS FUNDS ALLOW
6130	TREE CLUSTER 8	133.14	46.8	4.1	REMOVE/LOWER AS FUNDS ALLOW
6135	TREE CLUSTER 8	133.17	40.3	8.4	REMOVE/LOWER AS FUNDS ALLOW
6164	TREE CLUSTER 8	133.37	38.4	10.3	REMOVE/LOWER AS FUNDS ALLOW
6176	TREE CLUSTER 8	133.48	50.1	19.8	REMOVE/LOWER AS FUNDS ALLOW
6192	TREE CLUSTER 8	133.61	43.2	16.2	REMOVE/LOWER AS FUNDS ALLOW
6214	TREE CLUSTER 8	133.75	43.3	14.0	REMOVE/LOWER AS FUNDS ALLOW
6225	TREE CLUSTER 8	133.81	46.0	1.8	REMOVE/LOWER AS FUNDS ALLOW
6226	TREE CLUSTER 8	133.81	47.8	5.4	REMOVE/LOWER AS FUNDS ALLOW
6239	TREE CLUSTER 8	133.88	43.7	15.3	REMOVE/LOWER AS FUNDS ALLOW
6247	TREE	133.95	45.5	7.8	REMOVE/LOWER AS FUNDS ALLOW
6267	TREE CLUSTER 8	134.08	44.4	15.6	REMOVE/LOWER AS FUNDS ALLOW
6284	TREE CLUSTER 8	134.21	47.1	3.7	REMOVE/LOWER AS FUNDS ALLOW
6288	TREE CLUSTER 8	134.25	37.5	13.5	REMOVE/LOWER AS FUNDS ALLOW
6291	TREE	134.27	48.3	2.2	REMOVE/LOWER AS FUNDS ALLOW
6338	TREE CLUSTER 8	134.63	50.3	19.6	REMOVE/LOWER AS FUNDS ALLOW
6374	TREE CLUSTER 8	134.89	44.1	16.3	REMOVE/LOWER AS FUNDS ALLOW
6406	TREE CLUSTER 8	135.14	38.8	17.8	REMOVE/LOWER AS FUNDS ALLOW
6419	TREE CLUSTER 8	135.23	47.9	4.3	REMOVE/LOWER AS FUNDS ALLOW
6430	TREE CLUSTER 8	135.28	43.5	7.2	REMOVE/LOWER AS FUNDS ALLOW
6453	TREE CLUSTER 8	135.50	48.4	4.8	REMOVE/LOWER AS FUNDS ALLOW
6477	TREE CLUSTER 8	135.71	51.8	22.7	REMOVE/LOWER AS FUNDS ALLOW
6525	TREE	136.16	50.6	21.6	REMOVE/LOWER AS FUNDS ALLOW
6545	TREE	136.33	52.8	30.3	REMOVE/LOWER AS FUNDS ALLOW
6588	TREE	136.64	46.8	2.5	REMOVE/LOWER AS FUNDS ALLOW
6654	TREE CLUSTER 8	137.11	39.2	20.5	REMOVE/LOWER AS FUNDS ALLOW
6672	TREE	137.30	46.0	2.6	REMOVE/LOWER AS FUNDS ALLOW
6708	TREE	137.61	52.8	18.8	REMOVE/LOWER AS FUNDS ALLOW
6774	TREE CLUSTER 8	138.16	51.1	14.2	REMOVE/LOWER AS FUNDS ALLOW
6886	TREE	139.09	53.2	20.4	REMOVE/LOWER AS FUNDS ALLOW
6900	TREE	139.18	51.3	19.7	REMOVE/LOWER AS FUNDS ALLOW
6902	TREE	139.19	47.1	0.8	REMOVE/LOWER AS FUNDS ALLOW
6910	TREE CLUSTER 8	139.21	50.4	18.7	REMOVE/LOWER AS FUNDS ALLOW
6954	TREE	139.56	51.5	2.8	REMOVE/LOWER AS FUNDS ALLOW
6969	TREE	139.67	50.6	7.2	REMOVE/LOWER AS FUNDS ALLOW
6986	TREE	139.77	49.7	3.0	REMOVE/LOWER AS FUNDS ALLOW
7000	TREE	139.90	50.0	2.4	REMOVE/LOWER AS FUNDS ALLOW
7022	TREE CLUSTER 8	140.04	45.8	12.6	REMOVE/LOWER AS FUNDS ALLOW
7023	TREE CLUSTER 8	140.06	56.2	24.5	REMOVE/LOWER AS FUNDS ALLOW
7036	TREE	140.14	48.1	1.1	REMOVE/LOWER AS FUNDS ALLOW
7041	TREE CLUSTER 8	140.17	44.9	14.0	REMOVE/LOWER AS FUNDS ALLOW
7042	TREE	140.18	50.4	7.1	REMOVE/LOWER AS FUNDS ALLOW
7067	TREE	140.35	47.3	0.1	REMOVE/LOWER AS FUNDS ALLOW
7078	TREE	140.45	50.5	1.1	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 10 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 10

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION	ACTION
7086	TREE CLUSTER 8	140.5	51.2	5.7	REMOVE/LOWER AS FUNDS ALLOW
7106	TREE	140.6	50.8	51.4	REMOVE/LOWER AS FUNDS ALLOW
7142	TREE	140.9	50.9	5.9	REMOVE/LOWER AS FUNDS ALLOW
7143	TREE	140.9	51.7	49.3	REMOVE/LOWER AS FUNDS ALLOW
7144	TREE	140.9	51.1	51.1	REMOVE/LOWER AS FUNDS ALLOW
7154	TREE CLUSTER 8	140.9	53.6	9.7	REMOVE/LOWER AS FUNDS ALLOW
7199	TREE CLUSTER 8	141.3	43.6	23.3	REMOVE/LOWER AS FUNDS ALLOW
7213	TREE CLUSTER 8	141.4	46.9	12.5	REMOVE/LOWER AS FUNDS ALLOW
7236	TREE	141.5	52.5	46.0	REMOVE/LOWER AS FUNDS ALLOW
7294	TREE CLUSTER 8	141.9	52.1	6.2	REMOVE/LOWER AS FUNDS ALLOW
7352	TREE	142.2	52.3	4.8	REMOVE/LOWER AS FUNDS ALLOW
7374	TREE	142.3	54.1	0.9	REMOVE/LOWER AS FUNDS ALLOW
7388	TREE	142.4	51.4	0.1	REMOVE/LOWER AS FUNDS ALLOW
7399	TREE	142.5	50.3	4.0	REMOVE/LOWER AS FUNDS ALLOW
7440	TREE	142.7	49.9	0.3	REMOVE/LOWER AS FUNDS ALLOW
7445	TREE CLUSTER 8	142.7	49.6	12.2	REMOVE/LOWER AS FUNDS ALLOW
7473	TREE	142.8	46.9	0.8	REMOVE/LOWER AS FUNDS ALLOW
7539	TREE	143.2	57.2	20.5	REMOVE/LOWER AS FUNDS ALLOW
7571	TREE	143.4	53.1	5.1	REMOVE/LOWER AS FUNDS ALLOW
7596	TREE CLUSTER 8	143.5	53.9	7.9	REMOVE/LOWER AS FUNDS ALLOW
7626	TREE CLUSTER 8	143.6	54.1	8.3	REMOVE/LOWER AS FUNDS ALLOW
7651	TREE	143.8	47.7	1.0	REMOVE/LOWER AS FUNDS ALLOW
7670	TREE	143.9	54.4	7.4	REMOVE/LOWER AS FUNDS ALLOW
7777	TREE	144.4	53.9	12.4	REMOVE/LOWER AS FUNDS ALLOW
7815	TREE	144.7	52.3	6.5	REMOVE/LOWER AS FUNDS ALLOW
7826	TREE	144.8	56.4	5.7	REMOVE/LOWER AS FUNDS ALLOW
7837	TREE	144.9	48.3	0.8	REMOVE/LOWER AS FUNDS ALLOW
7994	TREE CLUSTER 8	145.9	53.1	29.9	REMOVE/LOWER AS FUNDS ALLOW
8003	TREE	145.9	52.8	6.5	REMOVE/LOWER AS FUNDS ALLOW
8009	TREE	146.0	50.5	12.7	REMOVE/LOWER AS FUNDS ALLOW
8014	TREE	146.0	57.3	1.1	REMOVE/LOWER AS FUNDS ALLOW
8021	TREE	146.0	55.3	3.4	REMOVE/LOWER AS FUNDS ALLOW
8033	TREE	146.2	60.0	18.0	REMOVE/LOWER AS FUNDS ALLOW
8110	TREE	146.6	57.9	4.9	REMOVE/LOWER AS FUNDS ALLOW
8254	TREE	147.7	50.1	1.0	REMOVE/LOWER AS FUNDS ALLOW
8260	TREE	147.7	53.8	7.6	REMOVE/LOWER AS FUNDS ALLOW
8403	TREE	148.9	56.6	5.0	REMOVE/LOWER AS FUNDS ALLOW
8426	TREE	149.0	56.2	0.6	REMOVE/LOWER AS FUNDS ALLOW
8490	TREE	149.5	55.4	6.2	REMOVE/LOWER AS FUNDS ALLOW
8662	TREE	150.9	58.9	3.0	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 28 - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

RUNWAY 28

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION	ACTION
1808	BUILDING	98.8	8.8	7.9	NO ACTION
1816	BUILDING	99.1	9.1	8.1	NO ACTION
2117	VERTICAL STRUCTURE	103.8	12.7	6.1	NO ACTION
3193	POLE	114.9	24.7	20.1	NO ACTION
3341	TELEPHONE LINE	115.8	18.4	0.8	NO ACTION
3341	TELEPHONE PYLON/POLE	115.8	18.4	0.8	NO ACTION
3491	TELEPHONE LINE	116.7	19.3	1.7	NO ACTION
3491	TELEPHONE PYLON/POLE	116.7	19.3	1.7	NO ACTION
4191	TELEPHONE LINE	119.4	23.2	2.1	NO ACTION
4191	TELEPHONE PYLON/POLE	119.4	23.2	2.1	NO ACTION
4214	TELEPHONE PYLON/POLE	119.5	20.3	8.1	NO ACTION
4216	OL GS 06	119.6	30.5	8.8	NO ACTION
4297	TREE	120.0	19.9	6.2	REMOVE/LOWER AS FUNDS ALLOW
4382	TELEPHONE LINE	120.4	24.1	3.1	NO ACTION
4382	TELEPHONE PYLON/POLE	120.4	24.1	3.1	NO ACTION
4402	TELEPHONE LINE	120.4	24.7	1.6	NO ACTION
4402	TELEPHONE PYLON/POLE	120.4	24.7	1.6	NO ACTION
4467	TELEPHONE LINE	120.8	25.0	1.9	NO ACTION
4467	TELEPHONE PYLON/POLE	120.8	25.0	1.9	NO ACTION
4511	TREE	121.0	23.9	0.7	REMOVE/LOWER AS FUNDS ALLOW
4594	TREE	121.6	29.6	19.9	REMOVE/LOWER AS FUNDS ALLOW
4667	TREE	121.9	24.9	2.7	REMOVE/LOWER AS FUNDS ALLOW
4755	TELEPHONE LINE	122.5	26.2	0.9	NO ACTION
4755	TELEPHONE PYLON/POLE	122.5	26.2	0.9	NO ACTION
4832	TREE	122.9	26.1	2.7	REMOVE/LOWER AS FUNDS ALLOW
4936	TELEPHONE LINE	123.7	27.4	2.1	NO ACTION
4936	TELEPHONE PYLON/POLE	123.7	27.4	2.1	NO ACTION
5069	TELEPHONE PYLON/POLE	124.7	32.3	16.0	NO ACTION
5113	TREE	125.0	28.3	6.2	REMOVE/LOWER AS FUNDS ALLOW
5472	TREE	127.8	29.4	4.1	REMOVE/LOWER AS FUNDS ALLOW
5524	TELEPHONE PYLON/POLE	128.2	34.9	19.5	NO ACTION
5564	TREE	128.6	30.2	2.2	REMOVE/LOWER AS FUNDS ALLOW
5851	TREE	130.8	29.4	0.2	REMOVE/LOWER AS FUNDS ALLOW
6003	TREE	132.2	28.5	1.9	REMOVE/LOWER AS FUNDS ALLOW
6146	TREE	133.3	29.7	3.2	REMOVE/LOWER AS FUNDS ALLOW
6175	TREE	133.5	32.5	2.9	REMOVE/LOWER AS FUNDS ALLOW
6189	TREE	133.6	35.3	9.9	REMOVE/LOWER AS FUNDS ALLOW
6190	TREE	133.6	35.3	9.9	REMOVE/LOWER AS FUNDS ALLOW
6212	TREE	133.7	35.3	9.8	REMOVE/LOWER AS FUNDS ALLOW
6266	TREE	134.1	34.3	1.1	REMOVE/LOWER AS FUNDS ALLOW
6397	TREE	135.0	43.2	28.7	REMOVE/LOWER AS FUNDS ALLOW
6465	TREE	135.6	32.7	7.6	REMOVE/LOWER AS FUNDS ALLOW
6493	TREE	135.8	44.0	32.4	REMOVE/LOWER AS FUNDS ALLOW
6557	TREE	136.4	38.1	2.0	REMOVE/LOWER AS FUNDS ALLOW
6635	TREE	137.0	36.0	3.5	REMOVE/LOWER AS FUNDS ALLOW
6777	TREE	138.2	46.2	35.3	REMOVE/LOWER AS FUNDS ALLOW
6914	TREE	139.3	43.0	3.5	REMOVE/LOWER AS FUNDS ALLOW
7313	TREE	142.0	45.2	2.1	REMOVE/LOWER AS FUNDS ALLOW

NOTE:

1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 6-24 & RUNWAY 10-28 DEPARTURE OBSTRUCTION DATA TABLE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

L&B JKL

SCALE: AS SHOWN | CONTR. NO.

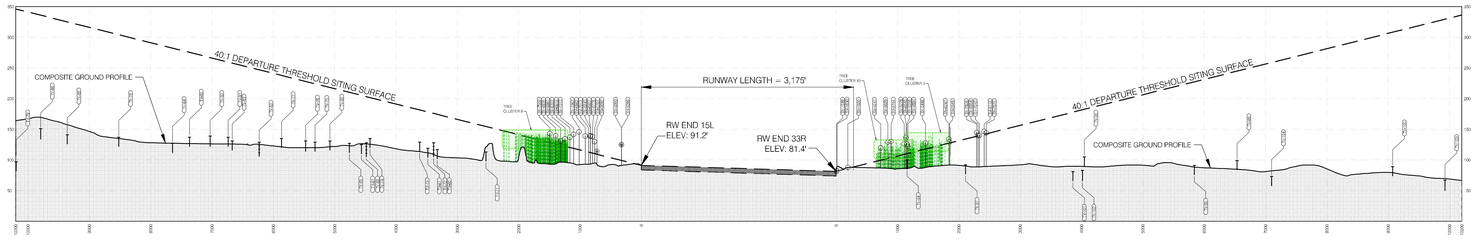
DATE: MARCH 2016 | SHEET: 15 of 23

Y:\LIMA\Master Plan\E-L&B Work Product\1-CAD\ALP\ALP_E-TRANSMIT_10-21-2015\ISP-Sheet 15.dwg
Ltscale: 1 Saved On: February 18, 2016 Plotted: 2/29/2016 2:04 PM

RUNWAY 15L-33R PLAN

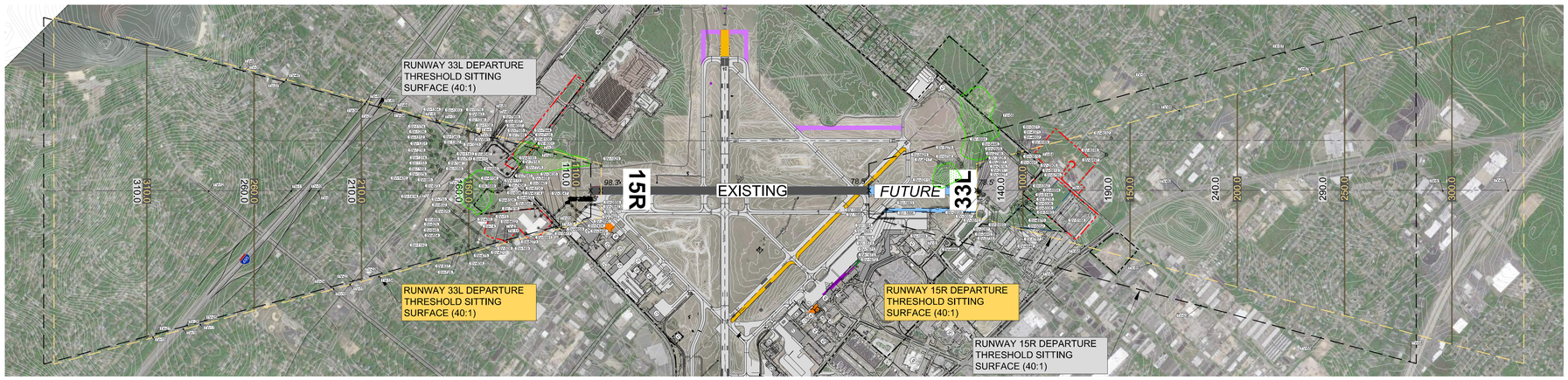
SCALE: 1" = 1,000'

SEE SHEET 17,18,19 FOR RUNWAY 15L-33R 40:1 DEPARTURE SURFACE OBSTRUCTIONS DATA TABLES
SEE SHEET 20 FOR TREE REMOVAL DETAIL (PROJECT #212021)



RUNWAY 15L-33R COMPOSITE PROFILE

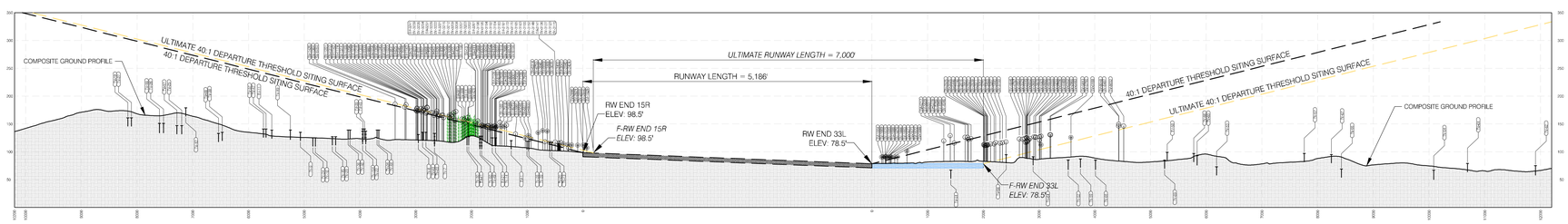
SCALE: HORIZ.: 1" = 1,000'
VERT.: 1" = 100'



RUNWAY 15R-33L PLAN

SCALE: 1" = 1,000'

SEE SHEET 17,18,19 FOR RUNWAY 15R-33L 40:1 DEPARTURE SURFACE OBSTRUCTIONS DATA TABLES
SEE SHEET 20 FOR TREE REMOVAL DETAIL (PROJECT #212021)



RUNWAY 15R-33L COMPOSITE PROFILE

SCALE: HORIZ.: 1" = 1,000'
VERT.: 1" = 100'

Declination 13.5° (November 2013)
Changing 8° E.P.E. per year

DRAWING LEGEND

ITEM	EXISTING	FUTURE
GROUND CONTOUR	680	
GROUND (COMPOSITE)		
AIRPORT PROPERTY LINE (FEE SIMPLE)		
RUNWAY PAVEMENT		
DEPARTURE THRESHOLD SITING SURFACE		
SURFACE CONTOUR	600	600
TREE CLUSTER		
FIELD SURVEYED OBSTACLE IDENTIFICATION	SV-####	
TREE OBSTRUCTION POINT	SV-####	
OBSTRUCTION POINT (NON TREE)	SV-####	
TRAVERSE WAY LOCATION - NON-INTERSTATE +15' - INTERSTATE +17' - RAILROAD +23'	TV-#### TV-####	

RUNWAY 15L-33R TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-104	COATES AVE.	73	-186	THSS-DPRT-RW15L-EX	NONE
TV-103	SUNRISE HWY.	67	-263	THSS-DPRT-RW15L-EX	NONE
TV-102	VETERANS MEMORIAL HWY.	83	-99	THSS-DPRT-RW15L-EX	NONE
TV-101	LINCOLN AVE.	81	-97	THSS-DPRT-RW15L-EX	NONE
TV-100	BROADWAY AVE.	89	-219	THSS-DPRT-RW15L-EX	NONE
TV-99	GRUNDY AVE.	91	-136	THSS-DPRT-RW15L-EX	NONE
TV-97	LINCOLN AVE.	92	-42	THSS-DPRT-RW15L-EX	NONE
TV-96	BROADWAY AVE.	99	-146	THSS-DPRT-RW15L-EX	NONE
TV-95	GRUNDY AVE.	105	-78	THSS-DPRT-RW15L-EX	NONE
TV-94	LINCOLN AVE.	100	-10	THSS-DPRT-RW15L-EX	NONE
TV-93	EXPRESS DR. N	137	-138	THSS-DPRT-RW33R-EX	NONE
TV-92	I-495	139	-128	THSS-DPRT-RW33R-EX	NONE
TV-91	EXPRESS DR. S	137	-123	THSS-DPRT-RW33R-EX	NONE
TV-90	SMITHTOWN AVE.	131	-87	THSS-DPRT-RW33R-EX	NONE
TV-89	JOHNSON AVE.	127	-83	THSS-DPRT-RW33R-EX	NONE
TV-88	RAILROAD	128	-75	THSS-DPRT-RW33R-EX	NONE
TV-87	RAILROAD AVE.	119	-59	THSS-DPRT-RW33R-EX	NONE
TV-86	I-495	151	-185	THSS-DPRT-RW33R-EX	NONE
TV-85	EXPRESS DR. S	141	-184	THSS-DPRT-RW33R-EX	NONE
TV-84	OCEAN AVE.	127	-155	THSS-DPRT-RW33R-EX	NONE
TV-83	LAKELAND ST.	131	-127	THSS-DPRT-RW33R-EX	NONE
TV-82	RAILROAD	129	-118	THSS-DPRT-RW33R-EX	NONE
TV-81	RAYNOR AVE.	125	-80	THSS-DPRT-RW33R-EX	NONE
TV-80	SMITHTOWN AVE.	117	-57	THSS-DPRT-RW33R-EX	NONE
TV-79	LAKESHORE RD.	97	-249	THSS-DPRT-RW33R-EX	NONE
TV-78	RONKONKOMA AVE.	137	-167	THSS-DPRT-RW33R-EX	NONE
TV-77	HAWKINS AVE.	135	-103	THSS-DPRT-RW33R-EX	NONE
TV-76	I-495	131	-97	THSS-DPRT-RW33R-EX	NONE
TV-75	EXPRESS DR. S	129	-95	THSS-DPRT-RW33R-EX	NONE
TV-74	UNION AVE.	135	-67	THSS-DPRT-RW33R-EX	NONE
TV-73	JOHNSON AVE.	129	-53	THSS-DPRT-RW33R-EX	NONE
TV-72	RAILROAD	128	-48	THSS-DPRT-RW33R-EX	NONE
TV-71	RAILROAD AVE.	113	-42	THSS-DPRT-RW33R-EX	NONE

RUNWAY 15R-33L TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-60	VETERANS MEMORIAL HWY.	93	-131	THSS-DPRT-RW15R-EX	NONE
TV-59	LINCOLN AVE.	87	-85	THSS-DPRT-RW15R-EX	NONE
TV-58	GRUNDY AVE.	99	-112	THSS-DPRT-RW15R-EX	NONE
TV-57	BROADWAY AVE.	97	-176	THSS-DPRT-RW15R-EX	NONE
TV-56	LINCOLN AVE.	94	-45	THSS-DPRT-RW15R-EX	NONE
TV-55	CHURCH ST.	69	-220	THSS-DPRT-RW15R-EX	NONE
TV-54	SUNRISE HWY.	67	-264	THSS-DPRT-RW15R-EX	NONE
TV-53	LINCOLN AVE.	73	-160	THSS-DPRT-RW15R-EX	NONE
TV-52	VETERANS MEMORIAL HWY.	85	-82	THSS-DPRT-RW15R-EX	NONE
TV-51	ROEBLING CT.	67	-47	THSS-DPRT-RW15R-EX	NONE
TV-50	RAILROAD	128	-17	THSS-DPRT-RW33L-EX	NONE
TV-38	POND RD.	135	-125	THSS-DPRT-RW33L-EX	NONE
TV-37	CHURCH ST.	141	-101	THSS-DPRT-RW33L-EX	NONE
TV-36	EXPRESS DR. N	139	-65	THSS-DPRT-RW33L-EX	NONE
TV-35	I-495	141	-56	THSS-DPRT-RW33L-EX	NONE
TV-34	EXPRESS DR. S	139	-52	THSS-DPRT-RW33L-EX	NONE
TV-33	SMITHTOWN AVE.	135	-34	THSS-DPRT-RW33L-EX	NONE
TV-30	JOHNSON AVE.	127	-24	THSS-DPRT-RW33L-EX	NONE
TV-28	RAILROAD AVE.	119	-5	THSS-DPRT-RW33L-EX	NONE
TV-27	EXPRESS DR. N	161	-140	THSS-DPRT-RW33L-EX	NONE
TV-26	I-495	151	-136	THSS-DPRT-RW33L-EX	NONE
TV-25	EXPRESS DR. S	147	-131	THSS-DPRT-RW33L-EX	NONE
TV-24	OCEAN AVE.	125	-95	THSS-DPRT-RW33L-EX	NONE
TV-23	LAKELAND ST.	127	-82	THSS-DPRT-RW33L-EX	NONE
TV-22	RAILROAD	137	-59	THSS-DPRT-RW33L-EX	NONE
TV-21	RAYNOR AVE.	125	-14	THSS-DPRT-RW33L-EX	NONE
TV-20	SMITHTOWN AVE.	117	4	THSS-DPRT-RW33L-EX	NONE
TV-12	OCEAN AVE.	179	-98	THSS-DPRT-RW33L-EX	NONE
TV-11	EXPRESS DR. N	139	-99	THSS-DPRT-RW33L-EX	NONE
TV-10	I-495	139	-91	THSS-DPRT-RW33L-EX	NONE
TV-9	EXPRESS DR. S	135	-90	THSS-DPRT-RW33L-EX	NONE
TV-8	JOHNSON AVE.	131	-41	THSS-DPRT-RW33L-EX	NONE
TV-7	RAILROAD	133	-32	THSS-DPRT-RW33L-EX	NONE
TV-1	SMITHTOWN AVE.	120	-11	THSS-DPRT-RW33L-EX	NONE

RUNWAY 15R-33L FUTURE TRAVERSE DATA

OBJECT ID	DESCRIPTION	TOP ELEV.	PENETRATION	SURFACE NAME	ACTION
TV-62	SUNRISE HWY.	75	-251	THSS-DPRT-RW15R-FUT	NONE
TV-61	BROADWAY AVE.	79	-217	THSS-DPRT-RW15R-FUT	NONE
TV-69	LINCOLN AVE.	85	-75	THSS-DPRT-RW15R-FUT	NONE
TV-68	VETERANS MEMORIAL HWY.	85	-44	THSS-DPRT-RW15R-FUT	NONE
TV-67	BROADWAY AVE.	95	-140	THSS-DPRT-RW15R-FUT	NONE
TV-66	GRUNDY AVE.	97	-76	THSS-DPRT-RW15R-FUT	NONE
TV-64	LINCOLN AVE.	91	-10	THSS-DPRT-RW15R-FUT	NONE
TV-49	RAILROAD	128	-20	THSS-DPRT-RW33L-FUT	NONE
TV-48	POND RD.	133	-134	THSS-DPRT-RW33L-FUT	NONE
TV-47	CHURCH ST.	141	-104	THSS-DPRT-RW33L-FUT	NONE
TV-46	EXPRESS DR. N	139	-69	THSS-DPRT-RW33L-FUT	NONE
TV-45	I-495	141	-60	THSS-DPRT-RW33L-FUT	NONE
TV-44	EXPRESS DR. S	139	-56	THSS-DPRT-RW33L-FUT	NONE
TV-43	SMITHTOWN AVE.	135	-40	THSS-DPRT-RW33L-FUT	NONE
TV-41	JOHNSON AVE.	127	-27	THSS-DPRT-RW33L-FUT	NONE
TV-39	RAILROAD AVE.	119	-8	THSS-DPRT-RW33L-FUT	NONE
TV-16	OCEAN AVE.	125	-98	THSS-DPRT-RW33L-FUT	NONE
TV-15	LAKELAND ST.	127	-88	THSS-DPRT-RW33L-FUT	NONE
TV-154	RAILROAD	137	-65	THSS-DPRT-RW33L-FUT	NONE
TV-14	RAYNOR AVE.	125	-17	THSS-DPRT-RW33L-FUT	NONE
TV-13	SMITHTOWN AVE.	117	0	THSS-DPRT-RW33L-FUT	NONE
TV-19	EXPRESS DR. N	161	-146	THSS-DPRT-RW33L-FUT	NONE
TV-18	I-495	151	-142	THSS-DPRT-RW33L-FUT	NONE
TV-17	EXPRESS DR. S	147	-138	THSS-DPRT-RW33L-FUT	NONE

NOTE:

1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).
3. AERIAL SOURCE: GOOGLE EARTH PRO, 2015.
4. ADDITIONAL TOPOGRAPHY OUTSIDE OF THE SURVEY AREA OBTAINED FROM THE U.S. GEOLOGICAL SURVEY (USGS), SRTM WORLDWIDE ELEVATION DATA.

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 15L-33R & RUNWAY 15R-33L DEPARTURE SURFACE DRAWING

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

LeB JKL

SCALE: AS SHOWN | CONTR. NO.

DATE: MARCH 2016 | SHEET: 16 of 23

RUNWAY 15L

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
RUNWAY 15L - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY					
1548	SIGN	83.0	2.1	1.4	FIX BY FUNCTION
1600	NATURAL HIGH POINT	87.7	0.0	1.5	REMOVE/LOWER AS FUNDS ALLOW
1630	NATURAL HIGH POINT	89.4	0.0	7.6	REMOVE/LOWER AS FUNDS ALLOW
2024	TREE	102.0	21.9	4.5	REMOVE/LOWER AS FUNDS ALLOW
2101	TREE CLUSTER 5	113.3	33.9	14.0	REMOVE/LOWER AS FUNDS ALLOW
2156	TREE	104.5	27.2	4.0	REMOVE/LOWER AS FUNDS ALLOW
2209	TREE	105.1	26.5	4.9	REMOVE/LOWER AS FUNDS ALLOW
2234	TREE	105.4	26.7	5.6	REMOVE/LOWER AS FUNDS ALLOW
2394	TREE	106.2	33.4	1.6	REMOVE/LOWER AS FUNDS ALLOW
2446	TREE	107.1	33.0	1.3	REMOVE/LOWER AS FUNDS ALLOW
2480	TREE	107.5	33.2	2.2	REMOVE/LOWER AS FUNDS ALLOW
2540	TREE	108.4	34.7	3.6	REMOVE/LOWER AS FUNDS ALLOW
2546	TREE	108.4	36.1	3.7	REMOVE/LOWER AS FUNDS ALLOW
2558	TREE	108.5	36.5	0.1	REMOVE/LOWER AS FUNDS ALLOW
2564	TREE	108.6	35.5	1.0	REMOVE/LOWER AS FUNDS ALLOW
2565	TREE	108.6	33.1	5.6	REMOVE/LOWER AS FUNDS ALLOW
2582	TREE	108.80	36.9	0.84	REMOVE/LOWER AS FUNDS ALLOW
2583	TREE	108.80	36.9	3.33	REMOVE/LOWER AS FUNDS ALLOW
2584	TREE	108.80	35.5	1.56	REMOVE/LOWER AS FUNDS ALLOW
2599	TREE	109.12	28.9	11.15	REMOVE/LOWER AS FUNDS ALLOW
2609	TREE	109.28	35.7	3.28	REMOVE/LOWER AS FUNDS ALLOW
2620	TREE	109.46	33.7	6.84	REMOVE/LOWER AS FUNDS ALLOW
2624	TREE	109.48	37.8	1.54	REMOVE/LOWER AS FUNDS ALLOW
2625	TREE	109.48	36.8	0.10	REMOVE/LOWER AS FUNDS ALLOW
2644	TREE	109.75	33.7	0.19	REMOVE/LOWER AS FUNDS ALLOW
2645	TREE	109.75	30.8	9.51	REMOVE/LOWER AS FUNDS ALLOW
2648	TREE	109.81	36.1	4.78	REMOVE/LOWER AS FUNDS ALLOW
2652	TREE	109.89	30.7	10.93	REMOVE/LOWER AS FUNDS ALLOW
2658	TREE	110.00	32.5	9.30	REMOVE/LOWER AS FUNDS ALLOW
2667	TREE	110.08	38.2	1.49	REMOVE/LOWER AS FUNDS ALLOW
2678	TREE	110.16	30.9	10.40	REMOVE/LOWER AS FUNDS ALLOW
2686	TREE	110.29	35.5	1.21	REMOVE/LOWER AS FUNDS ALLOW
2690	TREE CLUSTER 10	110.34	25.4	0.47	REMOVE/LOWER AS FUNDS ALLOW
2694	TREE	110.36	35.3	7.85	REMOVE/LOWER AS FUNDS ALLOW
2698	TREE	110.42	38.7	2.11	REMOVE/LOWER AS FUNDS ALLOW
2699	TREE	110.43	30.7	11.79	REMOVE/LOWER AS FUNDS ALLOW
2707	TREE	110.50	36.0	7.68	REMOVE/LOWER AS FUNDS ALLOW
2710	TREE	110.56	38.3	4.87	REMOVE/LOWER AS FUNDS ALLOW
2715	TREE	110.63	30.6	12.43	REMOVE/LOWER AS FUNDS ALLOW
2716	TREE	110.67	31.6	11.32	REMOVE/LOWER AS FUNDS ALLOW
2719	TREE	110.69	38.7	4.37	REMOVE/LOWER AS FUNDS ALLOW
2720	TREE	110.70	30.7	12.79	REMOVE/LOWER AS FUNDS ALLOW
2725	TREE	110.81	35.8	7.13	REMOVE/LOWER AS FUNDS ALLOW
2752	TREE	111.03	34.6	0.09	REMOVE/LOWER AS FUNDS ALLOW
2761	TREE	111.10	39.3	3.90	REMOVE/LOWER AS FUNDS ALLOW
2763	TREE	111.10	38.0	6.07	REMOVE/LOWER AS FUNDS ALLOW
2780	TREE	111.23	39.5	4.39	REMOVE/LOWER AS FUNDS ALLOW
2781	TREE	111.23	34.5	1.41	REMOVE/LOWER AS FUNDS ALLOW
2793	TREE	111.30	38.0	1.94	REMOVE/LOWER AS FUNDS ALLOW
2798	TREE	111.37	34.6	0.72	REMOVE/LOWER AS FUNDS ALLOW
2801	TREE	111.37	37.2	8.11	REMOVE/LOWER AS FUNDS ALLOW
2811	TREE	111.43	36.7	2.65	REMOVE/LOWER AS FUNDS ALLOW
2814	TREE	111.44	36.8	8.34	REMOVE/LOWER AS FUNDS ALLOW
2820	TREE	111.51	32.4	12.69	REMOVE/LOWER AS FUNDS ALLOW
2845	TREE CLUSTER 10	111.76	28.8	0.03	REMOVE/LOWER AS FUNDS ALLOW
2862	TREE	111.91	36.2	0.29	REMOVE/LOWER AS FUNDS ALLOW
2870	TREE	112.04	36.3	0.95	REMOVE/LOWER AS FUNDS ALLOW
2879	TREE	112.11	34.8	0.48	REMOVE/LOWER AS FUNDS ALLOW
2880	TREE	112.11	34.1	11.95	REMOVE/LOWER AS FUNDS ALLOW
2891	TREE	112.18	34.6	0.81	REMOVE/LOWER AS FUNDS ALLOW
2907	TREE	112.38	39.7	1.72	REMOVE/LOWER AS FUNDS ALLOW
2916	TREE	112.45	33.8	0.81	REMOVE/LOWER AS FUNDS ALLOW
2926	TREE	112.58	39.5	4.09	REMOVE/LOWER AS FUNDS ALLOW
2938	TREE	112.65	39.1	1.56	REMOVE/LOWER AS FUNDS ALLOW
2960	TREE	112.85	35.0	1.83	REMOVE/LOWER AS FUNDS ALLOW
2966	TREE	112.92	37.1	3.07	REMOVE/LOWER AS FUNDS ALLOW
2967	TREE	112.92	34.7	12.35	REMOVE/LOWER AS FUNDS ALLOW
2975	TREE	113.05	34.5	1.17	REMOVE/LOWER AS FUNDS ALLOW
2985	TREE CLUSTER 10	113.18	31.1	0.93	REMOVE/LOWER AS FUNDS ALLOW
2990	TREE CLUSTER 10	113.25	31.0	1.44	REMOVE/LOWER AS FUNDS ALLOW
2991	TREE CLUSTER 10	113.25	30.9	0.96	REMOVE/LOWER AS FUNDS ALLOW
3009	TREE	113.39	39.3	4.94	REMOVE/LOWER AS FUNDS ALLOW
3010	TREE	113.40	38.0	10.56	REMOVE/LOWER AS FUNDS ALLOW
3014	TREE	113.46	39.0	3.40	REMOVE/LOWER AS FUNDS ALLOW
3017	TREE	113.51	33.8	15.24	REMOVE/LOWER AS FUNDS ALLOW
3022	TREE	113.52	41.3	4.43	REMOVE/LOWER AS FUNDS ALLOW
3023	TREE	113.52	34.1	1.48	REMOVE/LOWER AS FUNDS ALLOW
3061	TREE CLUSTER 10	113.92	31.5	0.41	REMOVE/LOWER AS FUNDS ALLOW
3072	TREE CLUSTER 10	114.05	31.1	2.06	REMOVE/LOWER AS FUNDS ALLOW
3093	TREE	114.21	41.5	9.93	REMOVE/LOWER AS FUNDS ALLOW
3112	TREE	114.40	40.8	6.36	REMOVE/LOWER AS FUNDS ALLOW
3121	TREE	114.47	38.5	3.51	REMOVE/LOWER AS FUNDS ALLOW
3158	TREE CLUSTER 10	114.66	32.7	2.55	REMOVE/LOWER AS FUNDS ALLOW
3162	TREE	114.68	39.9	9.50	REMOVE/LOWER AS FUNDS ALLOW
3226	TREE CLUSTER 10	115.07	32.7	3.01	REMOVE/LOWER AS FUNDS ALLOW
3276	TREE	115.39	38.5	13.86	REMOVE/LOWER AS FUNDS ALLOW
3284	TREE	115.41	39.8	6.44	REMOVE/LOWER AS FUNDS ALLOW
3301	TREE CLUSTER 10	115.54	32.5	3.48	REMOVE/LOWER AS FUNDS ALLOW
3305	TREE	115.55	39.9	5.95	REMOVE/LOWER AS FUNDS ALLOW
3350	TREE CLUSTER 10	115.81	34.3	4.06	REMOVE/LOWER AS FUNDS ALLOW
3397	TREE	116.02	36.8	3.87	REMOVE/LOWER AS FUNDS ALLOW
3437	TREE CLUSTER 10	118.88	35.8	4.28	REMOVE/LOWER AS FUNDS ALLOW
3444	TREE CLUSTER 10	116.35	34.9	3.94	REMOVE/LOWER AS FUNDS ALLOW
3445	TREE CLUSTER 10	116.35	34.1	3.68	REMOVE/LOWER AS FUNDS ALLOW
3462	TREE	116.42	38.4	4.32	REMOVE/LOWER AS FUNDS ALLOW
3465	TREE CLUSTER 10	116.48	34.1	4.39	REMOVE/LOWER AS FUNDS ALLOW
3466	TREE CLUSTER 10	116.48	33.5	4.61	REMOVE/LOWER AS FUNDS ALLOW
3483	TREE CLUSTER 10	116.62	31.6	6.41	REMOVE/LOWER AS FUNDS ALLOW
3519	TREE CLUSTER 10	116.82	34.2	3.83	REMOVE/LOWER AS FUNDS ALLOW
3526	TREE CLUSTER 10	116.89	33.6	1.39	REMOVE/LOWER AS FUNDS ALLOW
3545	TREE CLUSTER 10	116.95	34.6	3.27	REMOVE/LOWER AS FUNDS ALLOW
3546	TREE CLUSTER 10	116.95	35.0	4.19	REMOVE/LOWER AS FUNDS ALLOW
3563	TREE	117.01	39.3	16.39	REMOVE/LOWER AS FUNDS ALLOW
3588	TREE CLUSTER 10	117.09	34.9	4.78	REMOVE/LOWER AS FUNDS ALLOW
3589	TREE CLUSTER 10	117.09	33.5	0.64	REMOVE/LOWER AS FUNDS ALLOW
3597	TREE	117.15	40.0	16.13	REMOVE/LOWER AS FUNDS ALLOW
3606	TREE CLUSTER 10	117.16	35.0	4.52	REMOVE/LOWER AS FUNDS ALLOW
3607	TREE CLUSTER 10	117.16	35.4	4.10	REMOVE/LOWER AS FUNDS ALLOW
3608	TREE CLUSTER 10	117.16	35.6	4.88	REMOVE/LOWER AS FUNDS ALLOW
3609	TREE CLUSTER 10	117.16	34.7	5.40	REMOVE/LOWER AS FUNDS ALLOW
3617	TREE CLUSTER 10	117.16	34.7	0.34	REMOVE/LOWER AS FUNDS ALLOW
3628	TREE CLUSTER 10	117.22	34.9	4.71	REMOVE/LOWER AS FUNDS ALLOW
3670	TREE	117.42	41.2	15.57	REMOVE/LOWER AS FUNDS ALLOW
3676	TREE	117.44	38.3	18.89	REMOVE/LOWER AS FUNDS ALLOW
3678	TREE	117.44	44.1	11.81	REMOVE/LOWER AS FUNDS ALLOW
3692	TREE	117.51	44.1	13.74	REMOVE/LOWER AS FUNDS ALLOW
3700	TREE CLUSTER 10	117.56	34.9	4.72	REMOVE/LOWER AS FUNDS ALLOW
3716	TREE CLUSTER 10	117.63	35.1	0.57	REMOVE/LOWER AS FUNDS ALLOW
3728	TREE CLUSTER 10	117.70	35.0	1.32	REMOVE/LOWER AS FUNDS ALLOW
3748	TREE	117.78	42.1	15.93	REMOVE/LOWER AS FUNDS ALLOW
3763	TREE	117.84	43.6	10.72	REMOVE/LOWER AS FUNDS ALLOW
3764	TREE	117.84	43.5	11.27	REMOVE/LOWER AS FUNDS ALLOW
3770	TREE CLUSTER 10	117.87	35.9	2.08	REMOVE/LOWER AS FUNDS ALLOW
3790	TREE CLUSTER 10	117.90	35.9	1.40	REMOVE/LOWER AS FUNDS ALLOW
3819	TREE	117.98	45.6	10.85	REMOVE/LOWER AS FUNDS ALLOW
3832	TREE CLUSTER 10	118.03	33.1	6.80	REMOVE/LOWER AS FUNDS ALLOW
3835	TREE CLUSTER 10	118.03	35.4	1.72	REMOVE/LOWER AS FUNDS ALLOW
3852	TREE CLUSTER 10	118.10	35.6	5.45	REMOVE/LOWER AS FUNDS ALLOW
3853	TREE CLUSTER 10	118.10	38.0	2.07	REMOVE/LOWER AS FUNDS ALLOW
3861	TREE	118.11	43.7	12.01	REMOVE/LOWER AS FUNDS ALLOW
3862	TREE	118.11	43.4	10.93	REMOVE/LOWER AS FUNDS ALLOW
3892	TREE	118.25	45.4	12.63	REMOVE/LOWER AS FUNDS ALLOW
3905	TREE CLUSTER 10	118.30	35.4	2.28	REMOVE/LOWER AS FUNDS ALLOW
3930	TREE	118.39	39.6	19.29	REMOVE/LOWER AS FUNDS ALLOW
3948	TREE CLUSTER 10	118.44	36.4	1.67	REMOVE/LOWER AS FUNDS ALLOW
3967	TREE CLUSTER 10	118.51	35.9	5.22	REMOVE/LOWER AS FUNDS ALLOW
3968	TREE CLUSTER 10	118.51	35.8	1.96	REMOVE/LOWER AS FUNDS ALLOW
3982	TREE CLUSTER 10	118.57	36.4	6.84	REMOVE/LOWER AS FUNDS ALLOW
3984	TREE CLUSTER 10	118.57	54.2	2.68	REMOVE/LOWER AS FUNDS ALLOW
3989	TREE	118.58	41.2	8.01	REMOVE/LOWER AS FUNDS ALLOW
3990	TREE	118.59	42.3	16.13	REMOVE/LOWER AS FUNDS ALLOW
4009	TREE	118.65	41.1	7.70	REMOVE/LOWER AS FUNDS ALLOW
4012	TREE	118.66	42.0	17.28	REMOVE/LOWER AS FUNDS ALLOW
4013	TREE	118.66	41.0	17.26	REMOVE/LOWER AS FUNDS ALLOW
4029	TREE CLUSTER 10	118.76	35.9	5.54	REMOVE/LOWER AS FUNDS ALLOW
4033	TREE CLUSTER 10	118.78	35.8	3.06	REMOVE/LOWER AS FUNDS ALLOW
4040	TREE	118.79	43.0	16.72	REMOVE/LOWER AS FUNDS ALLOW
4073	TREE	118.93	46.8	12.63	REMOVE/LOWER AS FUNDS ALLOW
4091	TREE	118.99	43.8	8.43	REMOVE/LOWER AS FUNDS ALLOW
4121	TREE	119.05	47.1	12.19	REMOVE/LOWER AS FUNDS ALLOW
4134	TREE CLUSTER 10	119.11	37.2	0.68	REMOVE/LOWER AS FUNDS ALLOW
4137	TREE CLUSTER 10	119.11	36.6	0.35	REMOVE/LOWER AS FUNDS ALLOW
4151	TREE CLUSTER 10	119.18	36.4	3.37	REMOVE/LOWER AS FUNDS ALLOW
4155	TREE	119.20	44.5	14.60	REMOVE/LOWER AS FUNDS ALLOW
4159	TREE	119.22	39.4	20.21	REMOVE/LOWER AS FUNDS ALLOW
4163	TREE CLUSTER 10	119.25	34.3	9.01	REMOVE/LOWER AS FUNDS ALLOW
4166	TREE CLUSTER 10	119.25	37.0	2.28	REMOVE/LOWER AS FUNDS ALLOW
4167	TREE CLUSTER 10	119.25	37.3	0.59	REMOVE/LOWER AS FUNDS ALLOW
4198	TREE	119.40	47.6	13.10	REMOVE/LOWER AS FUNDS ALLOW
4211	TREE CLUSTER 10	119.52	37.5	0.23	REMOVE/LOWER AS FUNDS ALLOW
4217	TREE	119.56	37.7	19.96	REMOVE/LOWER AS FUNDS ALLOW
4227	TREE	119.59	44.6	11.17	REMOVE/LOWER AS FUNDS ALLOW
4238	TREE CLUSTER 10	119.65	38.1	6.82	REMOVE/LOWER AS FUNDS ALLOW
4239	TREE CLUSTER 10	119.65	36.8	3.60	REMOVE/LOWER AS FUNDS ALLOW
4240	TREE CLUSTER 10	119.65	37.5	1.33	REMOVE/LOWER AS FUNDS ALLOW
4241	TREE CLUSTER 10	119.65	36.8	2.00	REMOVE/LOWER AS FUNDS ALLOW
4254	TREE CLUSTER 10	119.72	98.2	1.38	REMOVE/LOWER AS FUNDS ALLOW
4255	TREE CLUSTER 10	119.72	36.1	3.32	REMOVE/LOWER AS FUNDS ALLOW
4260	TREE CLUSTER 10	119.79	37.8	1.80	REMOVE/LOWER AS FUNDS ALLOW
4262	TREE CLUSTER 10	119.79	37.8	1.08	REMOVE/LOWER AS FUNDS ALLOW
4263	TREE CLUSTER 10	119.79	37.2	1.41	REMOVE/LOWER AS FUNDS ALLOW
4268	TREE	119.85	46.2	15.65	REMOVE/LOWER AS FUNDS ALLOW
4275	TREE CLUSTER 10	119.85	37.5	6.60	REMOVE/LOWER AS FUNDS ALLOW
4289	TREE CLUSTER 10	119.92	38.3	0.38	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 15L

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
RUNWAY 15L - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY					
4290	TREE CLUSTER 10	119.92	37.9	1.59	REMOVE/LOWER AS FUNDS ALLOW
4301	TREE CLUSTER 10	119.99	35.3	4.58	REMOVE/LOWER AS FUNDS ALLOW
4324	TREE CLUSTER 10	120.06	38.0	0.48	REMOVE/LOWER AS FUNDS ALLOW
4337	TREE CLUSTER 10	120.12	38.6	0.16	REMOVE/LOWER AS FUNDS ALLOW
4361	TREE CLUSTER 10	120.26	37.7	4.01	REMOVE/LOWER AS FUNDS ALLOW
4396	TREE CLUSTER 10	120.39	38.4	0.39	REMOVE/LOWER AS FUNDS ALLOW
4399	TREE	120.41	42.9	19.51	REMOVE/LOWER AS FUNDS ALLOW
4425	TREE	120.55	47.7	13.72	REMOVE/LOWER AS FUNDS ALLOW
4436	TREE CLUSTER 10	120.60	39.2	8.57	REMOVE/LOWER AS FUNDS ALLOW
4463	TREE CLUSTER 10	120.73	38.6	7.95	REMOVE/LOWER AS FUNDS ALLOW
4464	TREE CLUSTER 10	120.73	38.6	7.36	REMOVE/LOWER AS FUNDS ALLOW
4465	TREE CLUSTER 10	120.73	39.0	8.07	REMOVE/LOWER AS FUNDS ALLOW
4473	TREE CLUSTER 10	120.80	38.8	1.11	REMOVE/LOWER AS FUNDS ALLOW
4476	TREE CLUSTER 10	120.80	38.8	1.11	REMOVE/LOWER AS FUNDS ALLOW
4479	TREE	120.84	42.5	21.28	REMOVE/LOWER AS FUNDS ALLOW
4490	TREE	120.88	46.9	13.47	REMOVE/LOWER AS FUNDS ALLOW
4492	TREE CLUSTER 10	120.93	36.0	10.44	REMOVE/LOWER AS FUNDS ALLOW
4500	TREE CLUSTER 10	120.93	39.0	0.68	REMOVE/LOWER AS FUNDS ALLOW
4502	TREE	120.94	45.9	12.96	REMOVE/LOWER AS FUNDS ALLOW
4514	TREE CLUSTER 10	121.07	38.5	4.21	REMOVE/LOWER AS FUNDS ALLOW
4515	TREE CLUSTER 10	121.07	38.3	3.39	REMOVE/LOWER AS FUNDS ALLOW
4529	TREE	121.09	47.2	16.63	REMOVE/LOWER AS FUNDS ALLOW
4530	TREE CLUSTER 10	121.10	39.1	2.76	REMOVE/LOWER AS FUNDS ALLOW
4540	TREE CLUSTER 10	121.20	38.9	1.68	REMOVE/LOWER AS FUNDS ALLOW
4542	TREE	121.22	44.0	19.92	REMOVE/LOWER AS FUNDS ALLOW
4557	TREE CLUSTER 10	121.34	39.0	3.74	REMOVE/LOWER AS FUNDS ALLOW
4558	TREE CLUSTER 10	121.34	38.4	3.80	REMOVE/LOWER AS FUNDS ALLOW
4559	TREE CLUSTER 10	121.34	38.8	2.62	REMOVE/LOWER AS FUNDS ALLOW
4565	TREE CLUSTER 10	121.40	36.4	11.79	REMOVE/LOWER AS FUNDS ALLOW
4577	TREE	121.42	45.1	17.73	REMOVE/LOWER AS FUNDS ALLOW
4580	TREE CLUSTER 10	121.47	39.4	0.87	REMOVE/LOWER AS FUNDS ALLOW
4587	TREE	121.49	44.2	19.73	REMOVE/LOWER AS FUNDS ALLOW
4595	TREE	121.56	46.0	19.02	REMOVE/LOWER AS FUNDS ALLOW
4610	TREE CLUSTER 10	121.64	39.7	1.12	REMOVE/LOWER AS FUNDS ALLOW
4616	TREE CLUSTER 10	121.68	39.7	1.54	REMOVE/LOWER AS FUNDS ALLOW
4633	TREE CLUSTER 10	121.74	39.7	5.69	REMOVE/LOWER AS FUNDS ALLOW
4638	TREE	121.76	45.6	18.79	REMOVE/LOWER AS FUNDS ALLOW
4664	TREE	121.89	47.0	17.65	REMOVE/LOWER AS FUNDS ALLOW
4673	TREE	121.96	46.5	17.19	REMOVE/LOWER AS FUNDS ALLOW
4681	TREE CLUSTER 10	122.01	38.0	5.85	REMOVE/LOWER AS FUNDS ALLOW
4687	TREE CLUSTER 10	122.08	39.7	9.88	REMOVE/LOWER AS FUNDS ALLOW
4694	TREE	122.09	44.1	11.45	REMOVE/LOWER AS FUNDS ALLOW
4705	TREE CLUSTER 10	122.18	39.6	6.39	REMOVE/LOWER AS FUNDS ALLOW
4706	TREE CLUSTER 10	122.18	39.9	5.93	REMOVE/LOWER AS FUNDS ALLOW
4710	TREE CLUSTER 10	122.22	39.9	3.40	REMOVE/LOWER AS FUNDS ALLOW
4718	TREE CLUSTER 10	122.25	40.5	3.53	REMOVE/LOWER AS FUNDS ALLOW
4724	TREE CLUSTER 10	122.28	38.7	5.48	REMOVE/LOWER AS FUNDS ALLOW
4731	TREE CLUSTER 10	122.35	39.2	5.36	REMOVE/LOWER AS FUNDS ALLOW
4733	TREE CLUSTER 10	122.35	40.4	1.92	REMOVE/LOWER AS FUNDS ALLOW
4734	TREE	122.35	44.3	21.37	REMOVE/LOWER AS FUNDS ALLOW
4740	TREE	122.39	48.3	18.25	REMOVE/LOWER AS FUNDS ALLOW
4751	TREE CLUSTER 10	122.42	40.9	0.40	REMOVE/LOWER AS FUNDS ALLOW
4780	TREE CLUSTER 10	122.62	40.8	3.16	REMOVE/LOWER AS FUNDS ALLOW
4793	TREE CLUSTER 10	122.69	40.0	4.51	REMOVE/LOWER AS FUNDS ALLOW
4813	TREE CLUSTER 10	122.82	40.2	4.24	REMOVE/LOWER AS FUNDS ALLOW
4816	TREE CLUSTER 10	122.82	41.2	1.37	REMOVE/LOWER AS FUNDS ALLOW
4845	TREE	122.97	47.4	18.80	REMOVE/LOWER AS FUNDS ALLOW
4864	TREE	123.11	48.2	19.72	REMOVE/LOWER AS FUNDS ALLOW
4877	TREE CLUSTER 10	123.23	41.5	0.91	REMOVE/LOWER AS FUNDS ALLOW
4889	TREE CLUSTER 10	123.33	42.0	1.55	REMOVE/LOWER AS FUNDS ALLOW
4893	TREE CLUSTER 10	123.36	42.4	0.16	REMOVE/LOWER AS FUNDS ALLOW
4902	TREE CLUSTER 10	123.43	42.0	11.92	REMOVE/LOWER AS FUNDS ALLOW
4913	TREE CLUSTER 10	123.50	40.7	5.49	REMOVE/LOWER AS FUNDS ALLOW
4914	TREE CLUSTER 10	123.50	41.1	3.90	REMOVE/LOWER AS FUNDS ALLOW
4925	TREE CLUSTER 10	123.63	42.8	0.81	REMOVE/LOWER AS FUNDS ALLOW
4927	TREE CLUSTER 10	123.63	42.3	0.81	REMOVE/LOWER AS FUNDS ALLOW
4938	TREE CLUSTER 10	123.70	42.1	4.05	REMOVE/LOWER AS FUNDS ALLOW
4947	TREE CLUSTER 10	123.77	42.1	3.03	REMOVE/LOWER AS FUNDS ALLOW
4963	TREE	123.87	50.9	17.38	REMOVE/LOWER AS FUNDS ALLOW
4964	TREE CLUSTER 10	123.90	42.1	11.58	REMOVE/LOWER AS FUNDS ALLOW
4965	TREE CLUSTER 10	123.90	41.7	6.16	REMOVE/LOWER AS FUNDS ALLOW
4966	TREE CLUSTER 10	123.90	41.4	6.15	REMOVE/LOWER AS FUNDS ALLOW
4980	TREE	123.94	41.9	6.48	REMOVE/LOWER AS FUNDS ALLOW
4984	TREE	123.99	48.1	20.59	REMOVE/LOWER AS FUNDS ALLOW
4991	TREE CLUSTER 10	124.04	43.1	0.90	REMOVE/LOWER AS FUNDS ALLOW
5021	TREE	124.27	47.8	22.20	REMOVE/LOWER AS FUNDS ALLOW
5022	TREE	124.27	50.0	14.67	REMOVE/LOWER AS FUNDS ALLOW
5030	TREE CLUSTER 10	124.37	43.6	0.78	REMOVE/LOWER AS FUNDS ALLOW
5040	TREE	124.45	50.1	16.51	REMOVE/LOWER AS FUNDS ALLOW
5063	TREE CLUSTER 10	124.58	41.6	7.07	REMOVE/LOWER AS FUNDS ALLOW
5064	TREE CLUSTER 10	124.58	43.9	0.81	REMOVE/LOWER AS FUNDS ALLOW
5065	TREE CLUSTER 10	124.58	43.6	0.46	REMOVE/LOWER AS FUNDS ALLOW
5078	TREE	124.68	44.4	24.89	REMOVE/LOWER AS FUNDS ALLOW
5079	TREE CLUSTER 10	124.71	42.0	6.56	REMOVE/LOWER AS FUNDS ALLOW
5088	TREE CLUSTER 10	124.78	40.5	8.89	REMOVE/LOWER AS FUNDS ALLOW
5096	TREE CLUSTER 10	124.85	40.7	8.99	REMOVE/LOWER AS FUNDS ALLOW
5097	TREE CLUSTER 10	124.85	42.3	6.62	REMOVE/LOWER AS FUNDS ALLOW
5111	TREE CLUSTER 10	124.98	40.0	14.06	REMOVE/LOWER AS FUNDS ALLOW
5117	TREE CLUSTER 10	125.00	43.0	13.39	REMOVE/LOWER AS FUNDS ALLOW
5124	TREE CLUSTER 10	125.05	40.3	13.43	REMOVE/LOWER AS FUNDS ALLOW
5134	TREE CLUSTER 10	125.11	40.7	14.07	REMOVE/LOWER AS FUNDS ALLOW
5136	TREE CLUSTER 10	125.12	44.7	0.87	REMOVE/LOWER AS FUNDS ALLOW
5137	TREE CLUSTER 10	125.12	44.7	0.68	REMOVE/LOWER AS FUNDS ALLOW
5144	TREE CLUSTER 10	125.18	41.0	9.51	REMOVE/LOWER AS FUNDS ALLOW
5154	TREE CLUSTER 10	125.25	42.6	6.72	REMOVE/LOWER AS FUNDS ALLOW
5161	TREE CLUSTER 10	125.32	41.8	8.80	REMOVE/LOWER AS FUNDS ALLOW
5165	TREE CLUSTER 10	125.35	42.4	8.31	REMOVE/LOWER AS FUNDS ALLOW
5184	TREE CLUSTER 10	125.52	45.3	0.92	REMOVE/LOWER AS FUNDS ALLOW
5185	TREE CLUSTER 10	125.53	41.5	14.21	REMOVE/LOWER AS FUNDS ALLOW
5201	TREE CLUSTER 10	125.62	43.8	3.30	REMOVE/LOWER AS FUNDS ALLOW
5205	TREE CLUSTER 10	125.65	43.2	6.51	REMOVE/LOWER AS FUNDS ALLOW
5207	TREE CLUSTER 10	125.68	44.2	5.75	REMOVE/LOWER AS FUNDS ALLOW
5210	TREE CLUSTER 10	125.72	42.7	8.52	REMOVE/LOWER AS FUNDS ALLOW
5226	TREE CLUSTER 10	125.86	43.9	5.40	REMOVE/LOWER AS FUNDS ALLOW
5234	TREE CLUSTER 10	125.89	44.7	1.23	REMOVE/LOWER AS FUNDS ALLOW
5237	TREE CLUSTER 10	125.92	43.9	4.92	REMOVE/LOWER AS FUNDS ALLOW
5258	TREE	126.09	47.9	15.85	REMOVE/LOWER AS FUNDS ALLOW
5278	TREE	126.18	47.8	17.01	REMOVE/LOWER AS FUNDS ALLOW
5280	TREE CLUSTER 10	126.19	46.5	1.40	REMOVE/LOWER AS FUNDS ALLOW
5281	TREE CLUSTER 10	126.19	44.1	5.96	REMOVE/LOWER AS FUNDS ALLOW
5304	TREE CLUSTER 10	126.40	43.5	8.39	REMOVE/LOWER AS FUNDS ALLOW
5314	TREE CLUSTER 10	126.46	46.1	2.22	REMOVE/LOWER AS FUNDS ALLOW
5315	TREE CLUSTER 10	126.46	43.4	8.66	REMOVE/LOWER AS FUNDS ALLOW
5331	TREE CLUSTER 10	126.62	44.2	11.81	REMOVE/LOWER AS FUNDS ALLOW
5346	TREE CLUSTER 10	126.73	43.0	10.00	REMOVE/LOWER AS FUNDS ALLOW
5347	TREE CLUSTER 10	126.73	46.4	2.69	REMOVE/LOWER AS FUNDS ALLOW
5353	TREE CLUSTER 10	126.80	43.0	10.64	REMOVE/LOWER AS FUNDS ALLOW
5364	TREE CLUSTER 10	126.87	44.4	7.76	REMOVE/LOWER AS FUNDS ALLOW
5392	TREE CLUSTER 10	127.21	43.3	11.35	REMOVE/LOWER AS FUNDS ALLOW
5407	TREE CLUSTER 10	127.27	44.2	9.75	REMOVE/LOWER AS FUNDS ALLOW
5428	TREE	127.43	51.1	19.86	REMOVE/LOWER AS FUNDS ALLOW
5431	TREE CLUSTER 10	127.48	45.2	7.84	REMOVE/LOWER AS FUNDS ALLOW
5432	TREE CLUSTER 10	127.48	44.2	10.49	REMOVE/LOWER AS FUNDS ALLOW
5433	TREE CLUSTER 10	127.48	46.4	3.70	REMOVE/LOWER AS FUNDS ALLOW
5443	TREE CLUSTER 10	127.54	45.0	8.83	REMOVE/LOWER AS FUNDS ALLOW
5445	TREE CLUSTER 10	127.57	47.1	7.61	REMOVE/LOWER AS FUNDS ALLOW
5446	TREE	127.58	46.4	9.71	REMOVE/LOWER AS FUNDS ALLOW
5461	TREE	127.68	43.7	16.30	REMOVE/LOWER AS FUNDS ALLOW
5465	TREE CLUSTER 10	127.75	45.1	9.17	REMOVE/LOWER AS FUNDS ALLOW
5466	TREE CLUSTER 10	127.75	43.8	11.28	REMOVE/LOWER AS FUNDS ALLOW
5502	TREE	128.05	49.5	21.98	REMOVE/LOWER AS FUNDS ALLOW
5507	TREE CLUSTER 10	128.08	47.6	4.03	REMOVE/LOWER AS FUNDS ALLOW
5526	TREE CLUSTER 10	128.25	45.8	9.06	REMOVE/LOWER AS FUNDS ALLOW
5612	TREE	128.93	49.3	27.82	REMOVE/LOWER AS FUNDS ALLOW
5624	TREE CLUSTER 10	129.03	47.9	5.50	REMOVE/LOWER AS FUNDS ALLOW
5629	TREE	129.07	48.1	26.57	REMOVE/LOWER AS FUNDS ALLOW
5634	TREE CLUSTER 10	129.13	50.0	1.14	REMOVE/LOWER AS FUNDS ALLOW
5649	TREE	129.26	45.2	1.69	REMOVE/LOWER AS FUNDS ALLOW
5664	TREE CLUSTER 10	129.33	48.1	11.41	REMOVE/LOWER AS FUNDS ALLOW
5690	TREE	129.62	50.1	23.89	REMOVE/LOWER AS FUNDS ALLOW
5703	TREE CLUSTER 10	129.74	44.1	13.45	REMOVE/LOWER AS FUNDS ALLOW
5714	TREE CLUSTER 10	129.84	46.9	11.09	REMOVE/LOWER AS FUNDS ALLOW
5716	TREE CLUSTER 10	129.87	47.9	9.18	REMOVE/LOWER AS FUNDS ALLOW
5744	TREE	130.08	51.5	26.28	REMOVE/LOWER AS FUNDS ALLOW
5756	TREE CLUSTER 10	130.14	46.4	13.79	REMOVE/LOWER AS FUNDS ALLOW
5780	TREE CLUSTER 10	130.31	47.5	17.19	REMOVE/LOWER AS FUNDS ALLOW
5787	TREE CLUSTER 10	130.34	41.1	4.60	REMOVE/LOWER AS FUNDS ALLOW
5799	TREE CLUSTER 10	130.38	46.8	13.17	REMOVE/LOWER AS FUNDS ALLOW
5812	TREE CLUSTER 10	130.51	50.1	6.30	REMOVE/LOWER AS FUNDS ALLOW
5819	TREE CLUSTER 10	130.58	47.4	18.30	REMOVE/LOWER AS FUNDS ALLOW
5832	TREE CLUSTER 10	130.64	44.4	13.92	REMOVE/LOWER AS FUNDS ALLOW
5834	TREE CLUSTER 10	130.69	47.5	16.98	REMOVE/LOWER AS FUNDS ALLOW
5863	TREE CLUSTER 10	130.91	48.7	16.77	REMOVE/LOWER AS FUNDS ALLOW
5894	TREE CLUSTER 10	131.19	48.0	13.18	REMOVE/LOWER AS FUNDS ALLOW
5920	TREE CLUSTER 10	131.37	49.0	15.65	REMOVE/LOWER AS FUNDS ALLOW
5964	TREE CLUSTER 10	131.79	47.5	20.40	REMOVE/LOWER AS FUNDS ALLOW
6051	TREE CLUSTER 10	132.52	50.0	13.39	REMOVE/LOWER AS FUNDS ALLOW
6069	TREE CLUSTER 10	132.67	49.7	19.79	REMOVE/LOWER AS FUNDS ALLOW
6079	TREE CLUSTER 10	132.73	48.5	16.79	REMOVE/LOWER AS FUNDS ALLOW
6122	TREE CLUSTER 10	133.07	49.2	20.73	REMOVE/LOWER AS FUNDS ALLOW
6176	TREE CLUSTER 10	133.48	50.1	20.87	REMOVE/LOWER AS FUNDS ALLOW
6247	TREE	133.95	45.5	6.58	REMOVE/LOWER AS FUNDS ALLOW
6256	TREE CLUSTER 10	133.99	53.0	10.55	REMOVE/LOWER AS FUNDS ALLOW
6477	TREE CLUSTER 10	135.71	51.8	23.35	REMOVE/LOWER AS FUNDS ALLOW
6545	TREE CLUSTER 10	136.33	52.8	26.45	REMOVE/LOWER AS FUNDS ALLOW
6708	TREE CLUSTER 10	137.61	52.8	17.22	REMOVE/LOWER AS FUNDS ALLOW
6886	TREE CLUSTER 10	139.09	53.2	19.36	REMOVE/LOWER AS FUNDS ALLOW
6900	TREE CLUSTER 10	139.18	51.3	20.11	REMOVE/LOWER AS FUNDS ALLOW
6954	TREE	139.56	51.5	0.34	REMOVE/LOWER AS FUNDS ALLOW
7042	TREE	140.18	50.4	0.33	REMOVE/LOWER AS FUNDS ALLOW
7539	TREE CLUSTER 10	143.18	57.2	22.47	REMOVE/LOWER AS FUNDS ALLOW
7670	TREE	143.92	54.4	1.33	REMOVE/LOWER AS FUNDS ALLOW
7826	TREE	144.79	56.4	6.11	REMOVE/LOWER AS FUNDS ALLOW
8110	TREE	146.61	57.9	4.88	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 33R

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
RUNWAY 33R - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY					
3092	OL WSK	114.20	27.2	4.85	NO ACTION
4621	TREE CLUSTER 9	121.68	34.4	0.09	REMOVE/LOWER AS FUNDS ALLOW
4784	TREE CLUSTER 9	122.63	35.0	0.71	REMOVE/LOWER AS FUNDS ALLOW
4827	TREE CLUSTER 9	122.90	36.8	0.11	REMOVE/LOWER AS FUNDS ALLOW
4871	TREE CLUSTER 9	123.17	37.2	0.81	REMOVE/LOWER AS FUNDS ALLOW
4896	TREE CLUSTER 9	123.37	37.4	1.74	REMOVE/LOWER AS FUNDS ALLOW
4933	TREE CLUSTER 9	123.65	35.9	1.33	REMOVE/LOWER AS FUNDS ALLOW
4942	TREE CLUSTER 9	123.71	37.1	2.08	REMOVE/LOWER AS FUNDS ALLOW
4960	TREE CLUSTER 9	123.85	37.5	0.69	REMOVE/LOWER AS FUNDS ALLOW
5011	TREE CLUSTER 9	124.26	35.7	2.90	REMOVE/LOWER AS FUNDS ALLOW
5013	TREE CLUSTER 9	124.26	38.3	2.65	REMOVE/LOWER AS FUNDS ALLOW
5027	TREE CLUSTER 9	124.32	38.0	2.19	REMOVE/LOWER AS FUNDS ALLOW
5033	TREE CLUSTER 9	124.39	35.2	0.23	REMOVE/LOWER AS FUNDS ALLOW
5036	TREE CLUSTER 9	124.39	38.4	3.12	REMOVE/LOWER AS FUNDS ALLOW
5041	TREE CLUSTER 9	124.46	35.6	1.99	REMOVE/LOWER AS FUNDS ALLOW
5055	TREE CLUSTER 9	124.53	37.7	2.26	REMOVE/LOWER AS FUNDS ALLOW
5083	TREE CLUSTER 9	124.73	38.3	1.12	REMOVE/LOWER AS FUNDS ALLOW
5084	TREE CLUSTER 9	124.73	38.6	0.91	REMOVE/LOWER AS FUNDS ALLOW
5092	TREE CLUSTER 9	124.80	37.1	3.33	REMOVE/LOWER AS FUNDS ALLOW
5093	OL GS 24	124.82	33.6	25.44	FIXED BY FUNCTION
5099	GS 24	124.86	33.7	25.50	FIXED BY FUNCTION
5118	TREE CLUSTER 9	125.00	38.2	0.81	REMOVE/LOWER AS FUNDS ALLOW
5127	TREE CLUSTER 9	125.07	39.1	3.27	REMOVE/LOWER AS FUNDS ALLOW
5128	TREE CLUSTER 9	125.07	39.1	3.24	REMOVE/LOWER AS FUNDS ALLOW
5147	TREE CLUSTER 9	125.21	39.2	0.95	REMOVE/LOWER AS FUNDS ALLOW
5148	TREE CLUSTER 9	125.21	39.2	3.78	REMOVE/LOWER AS FUNDS ALLOW
5163	TREE CLUSTER 9	125.34	39.4	1.43	REMOVE/LOWER AS FUNDS ALLOW
5178	TREE CLUSTER 9	125.48	36.2	1.02	REMOVE/LOWER AS FUNDS ALLOW
5198	TREE CLUSTER 9	125.61	38.5	0.51	REMOVE/LOWER AS FUNDS ALLOW
5213	TREE CLUSTER 9	125.75	39.8	1.70	REMOVE/LOWER AS FUNDS ALLOW
5230	TREE CLUSTER 9	125.88	39.1	4.11	REMOVE/LOWER AS FUNDS ALLOW
5233	TREE CLUSTER 9	125.89	36.9	2.81	REMOVE/LOWER AS FUNDS ALLOW
5239	TREE CLUSTER 9	125.95	40.0	3.97	REMOVE/LOWER AS FUNDS ALLOW
5249	TREE CLUSTER 9	126.02	39.2	3.43	REMOVE/LOWER AS FUNDS ALLOW
5250	TREE CLUSTER 9	126.02	40.0	2.84	REMOVE/LOWER AS FUNDS ALLOW
5251	TREE CLUSTER 9	126.02	40.0	2.76	REMOVE/LOWER AS FUNDS ALLOW
5260	TREE CLUSTER 9	126.09	36.8	1.85	REMOVE/LOWER AS FUNDS ALLOW
5262	TREE CLUSTER 9	126.09	40.1	3.40	REMOVE/LOWER AS FUNDS ALLOW
5275	TREE CLUSTER 9	126.16	40.2	2.42	REMOVE/LOWER AS FUNDS ALLOW
5289	TREE CLUSTER 9	126.29	40.3	4.19	REMOVE/LOWER AS FUNDS ALLOW
5293	TREE CLUSTER 9	126.30	36.9	3.87	REMOVE/LOWER AS FUNDS ALLOW
5299	TREE CLUSTER 9	126.36	39.9	4.84	REMOVE/LOWER AS FUNDS ALLOW
5319	TREE CLUSTER 9	126.50	40.5	3.01	REMOVE/LOWER AS FUNDS ALLOW
5333	TREE CLUSTER 9	126.63	40.6	0.90	REMOVE/LOWER AS FUNDS ALLOW
5339	TREE CLUSTER 9	126.70	37.3	0.71	REMOVE/LOWER AS FUNDS ALLOW
5340	TREE CLUSTER 9	126.70	37.6	3.64	REMOVE/LOWER AS FUNDS ALLOW
5349	TREE CLUSTER 9	126.77	40.7	1.82	REMOVE/LOWER AS FUNDS ALLOW
5359	TREE CLUSTER 9	126.83	38.8	3.43	REMOVE/LOWER AS FUNDS ALLOW
5360	TREE CLUSTER 9	126.83	39.0	1.06	REMOVE/LOWER AS FUNDS ALLOW
5367	TREE CLUSTER 9	126.90	40.9	1.46	REMOVE/LOWER AS FUNDS ALLOW
5372	TREE CLUSTER 9	126.97	37.3	0.98	REMOVE/LOWER AS FUNDS ALLOW
5378	TREE CLUSTER 9	127.04	40.4	1.47	REMOVE/LOWER AS FUNDS ALLOW
5390	TREE CLUSTER 9	127.17	40.5	1.59	REMOVE/LOWER AS FUNDS ALLOW
5396	TREE CLUSTER 9	127.24	38.1	3.28	REMOVE/LOWER AS FUNDS ALLOW
5397	TREE CLUSTER 9	127.24	38.8	5.42	REMOVE/LOWER AS FUNDS ALLOW
5411	TREE CLUSTER 9	127.31	40.9	4.51	REMOVE/LOWER AS FUNDS ALLOW
5419	TREE CLUSTER 9	127.38	40.2	3.51	REMOVE/LOWER AS FUNDS ALLOW
5420	TREE CLUSTER 9	127.38	40.6	2.75	REMOVE/LOWER AS FUNDS ALLOW
5421	TREE CLUSTER 9	127.38	39.3	2.17	REMOVE/LOWER AS FUNDS ALLOW
5423	TREE CLUSTER 9	127.38	41.4	5.09	REMOVE/LOWER AS FUNDS ALLOW
5439	TREE CLUSTER 9	127.51	40.2	2.71	REMOVE/LOWER AS FUNDS ALLOW
5440	TREE CLUSTER 9	127.51	41.5	1.85	REMOVE/LOWER AS FUNDS ALLOW
5463	TREE CLUSTER 9	127.72	41.7	5.98	REMOVE/LOWER AS FUNDS ALLOW
5476	TREE CLUSTER 9	127.78	40.5	1.31	REMOVE/LOWER AS FUNDS ALLOW
5479	TREE CLUSTER 9	127.85	39.5	6.07	REMOVE/LOWER AS FUNDS ALLOW
5480	TREE CLUSTER 9	127.85	40.3	4.05	REMOVE/LOWER AS FUNDS ALLOW
5487	TREE CLUSTER 9	127.92	38.7	0.35	REMOVE/LOWER AS FUNDS ALLOW
5488	TREE CLUSTER 9	127.92	41.1	4.14	REMOVE/LOWER AS FUNDS ALLOW
5489	TREE CLUSTER 9	127.92	41.9	5.53	REMOVE/LOWER AS FUNDS ALLOW
5492	TREE CLUSTER 9	127.99	40.3	4.66	REMOVE/LOWER AS FUNDS ALLOW
5493	TREE CLUSTER 9	127.99	40.9	3.59	REMOVE/LOWER AS FUNDS ALLOW
5495	TREE CLUSTER 9	127.99	41.9	2.81	REMOVE/LOWER AS FUNDS ALLOW
5506	TREE CLUSTER 9	128.06	40.9	4.39	REMOVE/LOWER AS FUNDS ALLOW
5510	TREE CLUSTER 9	128.12	39.8	1.79	REMOVE/LOWER AS FUNDS ALLOW
5527	TREE CLUSTER 9	128.26	38.9	2.68	REMOVE/LOWER AS FUNDS ALLOW
5529	TREE CLUSTER 9	128.26	41.3	6.80	REMOVE/LOWER AS FUNDS ALLOW
5530	TREE CLUSTER 9	128.26	41.7	3.44	REMOVE/LOWER AS FUNDS ALLOW
5552	TREE CLUSTER 9	128.46	42.5	4.75	REMOVE/LOWER AS FUNDS ALLOW
5558	TREE CLUSTER 9	128.53	38.8	1.89	REMOVE/LOWER AS FUNDS ALLOW
5559	TREE CLUSTER 9	128.53	39.3	4.57	REMOVE/LOWER AS FUNDS ALLOW
5560	TREE CLUSTER 9	128.53	41.9	6.08	REMOVE/LOWER AS FUNDS ALLOW
5565	TREE CLUSTER 9	128.60	39.3	0.57	REMOVE/LOWER AS FUNDS ALLOW
5566	TREE CLUSTER 9	128.60	42.2	6.80	REMOVE/LOWER AS FUNDS ALLOW
5567	TREE CLUSTER 9	128.60	40.7	4.05	REMOVE/LOWER AS FUNDS ALLOW
5568	TREE CLUSTER 9	128.60	41.5	3.04	REMOVE/LOWER AS FUNDS ALLOW
5569	TREE CLUSTER 9	128.60	41.8	2.27	REMOVE/LOWER AS FUNDS ALLOW
5575	TREE CLUSTER 9	128.67	40.1	6.59	REMOVE/LOWER AS FUNDS ALLOW
5577	TREE CLUSTER 9	128.67	40.4	4.90	REMOVE/LOWER AS FUNDS ALLOW
5585	TREE CLUSTER 9	128.73	39.7	1.27	REMOVE/LOWER AS FUNDS ALLOW
5593	TREE CLUSTER 9	128.80	39.6	5.04	REMOVE/LOWER AS FUNDS ALLOW
5594	TREE CLUSTER 9	128.80	41.9	5.34	REMOVE/LOWER AS FUNDS ALLOW
5604	TREE CLUSTER 9	128.87	39.9	1.33	REMOVE/LOWER AS FUNDS ALLOW
5605	TREE CLUSTER 9	128.87	39.1	1.43	REMOVE/LOWER AS FUNDS ALLOW
5607	TREE CLUSTER 9	128.87	42.5	4.83	REMOVE/LOWER AS FUNDS ALLOW
5608	TREE CLUSTER 9	128.87	42.9	5.59	REMOVE/LOWER AS FUNDS ALLOW
5614	TREE CLUSTER 9	128.94	42.0	7.28	REMOVE/LOWER AS FUNDS ALLOW
5615	TREE CLUSTER 9	128.94	40.8	4.05	REMOVE/LOWER AS FUNDS ALLOW
5622	TREE CLUSTER 9	129.01	42.5	4.69	REMOVE/LOWER AS FUNDS ALLOW
5643	TREE CLUSTER 9	129.21	40.8	3.90	REMOVE/LOWER AS FUNDS ALLOW
5644	TREE CLUSTER 9	129.21	42.5	0.29	REMOVE/LOWER AS FUNDS ALLOW
5652	TREE CLUSTER 9	129.28	41.2	8.00	REMOVE/LOWER AS FUNDS ALLOW
5654	TREE CLUSTER 9	129.28	42.4	3.31	REMOVE/LOWER AS FUNDS ALLOW
5657	TREE CLUSTER 9	129.28	42.6	3.14	REMOVE/LOWER AS FUNDS ALLOW
5658	TREE CLUSTER 9	129.28	43.3	7.17	REMOVE/LOWER AS FUNDS ALLOW
5666	TREE CLUSTER 9	129.34	42.1	7.17	REMOVE/LOWER AS FUNDS ALLOW
5667	TREE CLUSTER 9	129.34	42.7	6.60	REMOVE/LOWER AS FUNDS ALLOW
5670	TREE CLUSTER 9	129.41	40.0	4.63	REMOVE/LOWER AS FUNDS ALLOW
5671	TREE CLUSTER 9	129.41	41.6	5.34	REMOVE/LOWER AS FUNDS ALLOW
5672	TREE CLUSTER 9	129.41	43.0	1.59	REMOVE/LOWER AS FUNDS ALLOW
5680	TREE CLUSTER 9	129.48	43.1	4.23	REMOVE/LOWER AS FUNDS ALLOW
5687	TREE CLUSTER 9	129.55	40.1	0.56	REMOVE/LOWER AS FUNDS ALLOW
5696	TREE CLUSTER 9	129.68	41.4	7.22	REMOVE/LOWER AS FUNDS ALLOW
5698	TREE CLUSTER 9	129.68	42.4	2.46	REMOVE/LOWER AS FUNDS ALLOW
5704	TREE CLUSTER 9	129.75	40.5	2.36	REMOVE/LOWER AS FUNDS ALLOW
5706	TREE CLUSTER 9	129.75	43.8	6.89	REMOVE/LOWER AS FUNDS ALLOW
5707	TREE	129.78	37.3	19.49	REMOVE/LOWER AS FUNDS ALLOW
5710	TREE CLUSTER 9	129.82	42.9	1.01	REMOVE/LOWER AS FUNDS ALLOW
5718	TREE CLUSTER 9	129.89	41.4	2.84	REMOVE/LOWER AS FUNDS ALLOW
5719	TREE CLUSTER 9	129.89	40.6	2.98	REMOVE/LOWER AS FUNDS ALLOW
5720	TREE CLUSTER 9	129.89	43.5	1.74	REMOVE/LOWER AS FUNDS ALLOW
5721	TREE CLUSTER 9	129.89	43.9	4.55	REMOVE/LOWER AS FUNDS ALLOW
5726	TREE CLUSTER 9	129.91	43.1	6.69	REMOVE/LOWER AS FUNDS ALLOW
5732	TREE CLUSTER 9	129.95	40.7	4.67	REMOVE/LOWER AS FUNDS ALLOW
5734	TREE CLUSTER 9	129.95	43.4	3.44	REMOVE/LOWER AS FUNDS ALLOW
5736	TREE CLUSTER 9	130.02	42.5	5.56	REMOVE/LOWER AS FUNDS ALLOW
5747	TREE CLUSTER 9	130.09	41.5	1.82	REMOVE/LOWER AS FUNDS ALLOW
5748	TREE CLUSTER 9	130.09	43.1	7.45	REMOVE/LOWER AS FUNDS ALLOW
5749	TREE CLUSTER 9	130.09	42.9	2.70	REMOVE/LOWER AS FUNDS ALLOW
5750	TREE CLUSTER 9	130.09	43.5	3.31	REMOVE/LOWER AS FUNDS ALLOW
5751	TREE CLUSTER 9	130.09	44.1	6.96	REMOVE/LOWER AS FUNDS ALLOW
5752	TREE CLUSTER 9	130.09	44.1	6.24	REMOVE/LOWER AS FUNDS ALLOW
5761	TREE CLUSTER 9	130.16	42.7	6.64	REMOVE/LOWER AS FUNDS ALLOW
5762	TREE CLUSTER 9	130.16	43.8	3.33	REMOVE/LOWER AS FUNDS ALLOW
5768	TREE CLUSTER 9	130.23	42.5	0.89	REMOVE/LOWER AS FUNDS ALLOW
5769	TREE CLUSTER 9	130.23	41.2	1.95	REMOVE/LOWER AS FUNDS ALLOW
5770	TREE CLUSTER 9	130.23	40.8	3.03	REMOVE/LOWER AS FUNDS ALLOW
5771	TREE CLUSTER 9	130.23	41.7	7.26	REMOVE/LOWER AS FUNDS ALLOW
5773	TREE CLUSTER 9	130.23	42.5	7.56	REMOVE/LOWER AS FUNDS ALLOW
5791	TREE CLUSTER 9	130.36	40.7	1.48	REMOVE/LOWER AS FUNDS ALLOW
5792	TREE CLUSTER 9	130.36	41.8	5.01	REMOVE/LOWER AS FUNDS ALLOW
5793	TREE CLUSTER 9	130.36	42.4	3.48	REMOVE/LOWER AS FUNDS ALLOW
5794	TREE CLUSTER 9	130.36	43.7	2.13	REMOVE/LOWER AS FUNDS ALLOW
5809	TREE CLUSTER 9	130.50	42.9	7.20	REMOVE/LOWER AS FUNDS ALLOW
5817	TREE CLUSTER 9	130.57	42.4	9.01	REMOVE/LOWER AS FUNDS ALLOW
5826	TREE CLUSTER 9	130.63	40.8	0.06	REMOVE/LOWER AS FUNDS ALLOW
5827	TREE CLUSTER 9	130.63	42.0	8.20	REMOVE/LOWER AS FUNDS ALLOW
5828	TREE CLUSTER 9	130.63	41.0	3.37	REMOVE/LOWER AS FUNDS ALLOW
5829	TREE CLUSTER 9	130.63	44.6	7.43	REMOVE/LOWER AS FUNDS ALLOW
5843	TREE CLUSTER 9	130.77	41.3	0.25	REMOVE/LOWER AS FUNDS ALLOW
5844	TREE CLUSTER 9	130.77	42.1	2.99	REMOVE/LOWER AS FUNDS ALLOW
5845	TREE CLUSTER 9	130.77	41.5	5.11	REMOVE/LOWER AS FUNDS ALLOW
5846	TREE CLUSTER 9	130.77	41.5	6.11	REMOVE/LOWER AS FUNDS ALLOW
5847	TREE CLUSTER 9	130.77	41.7	7.06	REMOVE/LOWER AS FUNDS ALLOW
5848	TREE CLUSTER 9	130.77	42.5	5.99	REMOVE/LOWER AS FUNDS ALLOW
5849	TREE CLUSTER 9	130.77	43.8	1.45	REMOVE/LOWER AS FUNDS ALLOW
5850	TREE CLUSTER 9	130.77	44.8	8.57	REMOVE/LOWER AS FUNDS ALLOW
5857	TREE CLUSTER 9	130.84	41.8	0.00	REMOVE/LOWER AS FUNDS ALLOW
5861	TREE	130.87	41.4	6.73	REMOVE/LOWER AS FUNDS ALLOW
5868	TREE CLUSTER 9	130.93	42.1	0.58	REMOVE/LOWER AS FUNDS ALLOW
5872	TREE CLUSTER 9	130.97	41.6	4.05	REMOVE/LOWER AS FUNDS ALLOW
5873	TREE CLUSTER 9	130.97	44.5	5.98	REMOVE/LOWER AS FUNDS ALLOW
5879	TREE CLUSTER 9	131.04	41.5	3.26	REMOVE/LOWER AS FUNDS ALLOW
5880	TREE CLUSTER 9	131.04	41.7	6.50	REMOVE/LOWER AS FUNDS ALLOW
5881	TREE CLUSTER 9	131.04	44.2	7.91	REMOVE/LOWER AS FUNDS ALLOW
5882	TREE CLUSTER 9	131.04	43.8	1.63	REMOVE/LOWER AS FUNDS ALLOW
5890	TREE CLUSTER 9	131.18	41.4	1.72	REMOVE/LOWER AS FUNDS ALLOW
5891	TREE CLUSTER 9	131.18	41.7	2.50	REMOVE/LOWER AS FUNDS ALLOW
5892	TREE CLUSTER 9	131.18	43.0	9.15	REMOVE/LOWER AS FUNDS ALLOW
5893	TREE CLUSTER 9	131.18	44.5	7.91	REMOVE/LOWER AS FUNDS ALLOW
5911	TREE CLUSTER 9	131.31	41.6	4.81	REMOVE/LOWER AS FUNDS ALLOW
5913	TREE CLUSTER 9	131.31	43.1	3.34	REMOVE/LOWER AS FUNDS ALLOW
5927	TREE CLUSTER 9	131.45	41.9	2.55	REMOVE/LOWER AS FUNDS ALLOW
5928	TREE CLUSTER 9	131.45	44.5	8.20	REMOVE/LOWER AS FUNDS ALLOW
5932	TREE CLUSTER 9	131.51	42.3	0.34	REMOVE/LOWER AS FUNDS ALLOW
5933	TREE CLUSTER 9	131.51	42.6	8.81	REMOVE/LOWER AS FUNDS ALLOW
5950	TREE CLUSTER 9	131.65	42.7	2.39	REMOVE/LOWER AS FUNDS ALLOW
5955	TREE CLUSTER 9	131.72	42.2	5.24	REMOVE/LOWER AS FUNDS ALLOW
5963	TREE CLUSTER 9	131.79	43.6	7.32	REMOVE/LOWER AS FUNDS ALLOW
5968	TREE CLUSTER 9	131.82	45.8	8.44	REMOVE/LOWER AS FUNDS ALLOW
5969	TREE CLUSTER 9	131.82	44.6	9.30	REMOVE/LOWER AS FUNDS ALLOW
5971	TREE CLUSTER 9	131.85	43.1	1.23	REMOVE/LOWER AS FUNDS ALLOW
5973	TREE CLUSTER 9	131.85	41.9	3.93	REMOVE/LOWER AS FUNDS ALLOW
5974	TREE CLUSTER 9	131.85	45.3	5.60	REMOVE/LOWER AS FUNDS ALLOW
5981	TREE CLUSTER 9	131.92	45.3	4.68	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 33R

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
RUNWAY 33R - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY					
5985	TREE CLUSTER 9	131.99	42.8	0.84	REMOVE/LOWER AS FUNDS ALLOW
5986	TREE CLUSTER 9	131.99	42.4	1.02	REMOVE/LOWER AS FUNDS ALLOW
5987	TREE CLUSTER 9	131.99	42.9	3.30	REMOVE/LOWER AS FUNDS ALLOW
5988	TREE CLUSTER 9	131.99	42.0	4.05	REMOVE/LOWER AS FUNDS ALLOW
5993	TREE CLUSTER 9	132.06	42.9	8.60	REMOVE/LOWER AS FUNDS ALLOW
5994	TREE CLUSTER 9	132.06	44.8	8.73	REMOVE/LOWER AS FUNDS ALLOW
5998	TREE CLUSTER 9	132.13	44.6	9.39	REMOVE/LOWER AS FUNDS ALLOW
6005	TREE CLUSTER 9	132.19	43.8	1.23	REMOVE/LOWER AS FUNDS ALLOW
6006	TREE CLUSTER 9	132.19	42.6	3.86	REMOVE/LOWER AS FUNDS ALLOW
6010	TREE CLUSTER 9	132.24	42.9	4.47	REMOVE/LOWER AS FUNDS ALLOW
6012	TREE CLUSTER 9	132.26	42.9	2.06	REMOVE/LOWER AS FUNDS ALLOW
6013	TREE CLUSTER 9	132.26	42.5	3.18	REMOVE/LOWER AS FUNDS ALLOW
6014	TREE CLUSTER 9	132.26	43.9	5.09	REMOVE/LOWER AS FUNDS ALLOW
6015	TREE CLUSTER 9	132.26	43.9	8.55	REMOVE/LOWER AS FUNDS ALLOW
6016	TREE CLUSTER 9	132.26	43.3	8.78	REMOVE/LOWER AS FUNDS ALLOW
6017	TREE CLUSTER 9	132.27	41.2	1.41	REMOVE/LOWER AS FUNDS ALLOW
6025	TREE CLUSTER 9	132.33	44.5	4.97	REMOVE/LOWER AS FUNDS ALLOW
6033	TREE CLUSTER 9	132.36	46.4	10.92	REMOVE/LOWER AS FUNDS ALLOW
6034	TREE CLUSTER 9	132.36	45.3	1.93	REMOVE/LOWER AS FUNDS ALLOW
6040	TREE CLUSTER 9	132.40	46.4	10.23	REMOVE/LOWER AS FUNDS ALLOW
6046	TREE CLUSTER 9	132.46	42.9	0.12	REMOVE/LOWER AS FUNDS ALLOW
6047	TREE CLUSTER 9	132.46	43.4	9.42	REMOVE/LOWER AS FUNDS ALLOW
6048	TREE CLUSTER 9	132.47	43.7	6.52	REMOVE/LOWER AS FUNDS ALLOW
6055	TREE CLUSTER 9	132.53	42.5	0.20	REMOVE/LOWER AS FUNDS ALLOW
6056	TREE CLUSTER 9	132.53	42.8	0.93	REMOVE/LOWER AS FUNDS ALLOW
6059	TREE CLUSTER 9	132.54	41.9	0.76	REMOVE/LOWER AS FUNDS ALLOW
6065	TREE CLUSTER 9	132.60	46.6	10.29	REMOVE/LOWER AS FUNDS ALLOW
6072	TREE CLUSTER 9	132.67	43.2	4.80	REMOVE/LOWER AS FUNDS ALLOW
6073	TREE CLUSTER 9	132.67	44.2	8.58	REMOVE/LOWER AS FUNDS ALLOW
6081	TREE CLUSTER 9	132.74	44.1	5.35	REMOVE/LOWER AS FUNDS ALLOW
6082	TREE CLUSTER 9	132.74	43.6	5.79	REMOVE/LOWER AS FUNDS ALLOW
6083	TREE CLUSTER 9	132.74	43.6	6.27	REMOVE/LOWER AS FUNDS ALLOW
6092	TREE CLUSTER 9	132.80	42.7	1.20	REMOVE/LOWER AS FUNDS ALLOW
6093	TREE CLUSTER 9	132.80	42.9	3.70	REMOVE/LOWER AS FUNDS ALLOW
6097	TREE CLUSTER 9	132.81	40.3	0.72	REMOVE/LOWER AS FUNDS ALLOW
6105	TREE CLUSTER 9	132.87	42.9	0.48	REMOVE/LOWER AS FUNDS ALLOW
6106	TREE CLUSTER 9	132.87	43.1	5.11	REMOVE/LOWER AS FUNDS ALLOW
6110	TREE CLUSTER 9	132.94	45.3	1.80	REMOVE/LOWER AS FUNDS ALLOW
6111	TREE CLUSTER 9	132.94	43.2	5.55	REMOVE/LOWER AS FUNDS ALLOW
6115	TREE CLUSTER 9	133.01	42.5	0.38	REMOVE/LOWER AS FUNDS ALLOW
6116	TREE CLUSTER 9	133.01	46.3	4.92	REMOVE/LOWER AS FUNDS ALLOW
6124	TREE CLUSTER 9	133.08	43.3	5.64	REMOVE/LOWER AS FUNDS ALLOW
6131	TREE CLUSTER 9	133.14	44.0	7.26	REMOVE/LOWER AS FUNDS ALLOW
6136	TREE CLUSTER 9	133.19	43.7	7.79	REMOVE/LOWER AS FUNDS ALLOW
6138	TREE CLUSTER 9	133.21	43.6	6.79	REMOVE/LOWER AS FUNDS ALLOW
6139	TREE CLUSTER 9	133.21	44.6	9.01	REMOVE/LOWER AS FUNDS ALLOW
6140	TREE CLUSTER 9	133.21	44.5	9.83	REMOVE/LOWER AS FUNDS ALLOW
6154	TREE CLUSTER 9	133.29	43.2	2.39	REMOVE/LOWER AS FUNDS ALLOW
6160	TREE CLUSTER 9	133.35	43.3	0.08	REMOVE/LOWER AS FUNDS ALLOW
6168	TREE CLUSTER 9	133.41	45.2	3.23	REMOVE/LOWER AS FUNDS ALLOW
6169	TREE CLUSTER 9	133.41	43.6	3.86	REMOVE/LOWER AS FUNDS ALLOW
6170	TREE CLUSTER 9	133.41	43.7	4.78	REMOVE/LOWER AS FUNDS ALLOW
6173	TREE CLUSTER 9	133.45	47.1	8.50	REMOVE/LOWER AS FUNDS ALLOW
6194	TREE CLUSTER 9	133.62	43.6	0.72	REMOVE/LOWER AS FUNDS ALLOW
6195	TREE CLUSTER 9	133.62	43.8	2.48	REMOVE/LOWER AS FUNDS ALLOW
6197	TREE CLUSTER 9	133.62	44.9	9.13	REMOVE/LOWER AS FUNDS ALLOW
6215	TREE CLUSTER 9	133.75	43.8	0.50	REMOVE/LOWER AS FUNDS ALLOW
6217	TREE CLUSTER 9	133.75	43.6	4.96	REMOVE/LOWER AS FUNDS ALLOW
6227	TREE CLUSTER 9	133.82	47.4	6.36	REMOVE/LOWER AS FUNDS ALLOW
6236	TREE CLUSTER 9	133.86	46.9	4.42	REMOVE/LOWER AS FUNDS ALLOW
6238	TREE CLUSTER 9	133.88	44.0	2.69	REMOVE/LOWER AS FUNDS ALLOW
6241	TREE CLUSTER 9	133.89	44.5	8.36	REMOVE/LOWER AS FUNDS ALLOW
6243	TREE CLUSTER 9	133.90	42.0	0.52	REMOVE/LOWER AS FUNDS ALLOW
6245	TREE CLUSTER 9	133.90	43.5	2.93	REMOVE/LOWER AS FUNDS ALLOW
6249	TREE CLUSTER 9	133.96	43.9	0.48	REMOVE/LOWER AS FUNDS ALLOW
6252	TREE CLUSTER 9	133.96	44.2	0.72	REMOVE/LOWER AS FUNDS ALLOW
6253	TREE CLUSTER 9	133.96	43.6	1.54	REMOVE/LOWER AS FUNDS ALLOW
6269	TREE CLUSTER 9	134.09	45.0	8.97	REMOVE/LOWER AS FUNDS ALLOW
6272	TREE CLUSTER 9	134.10	44.1	2.94	REMOVE/LOWER AS FUNDS ALLOW
6275	TREE CLUSTER 9	134.14	46.5	8.10	REMOVE/LOWER AS FUNDS ALLOW
6277	TREE CLUSTER 9	134.16	44.8	8.98	REMOVE/LOWER AS FUNDS ALLOW
6282	TREE CLUSTER 9	134.17	41.3	0.05	REMOVE/LOWER AS FUNDS ALLOW
6286	TREE CLUSTER 9	134.23	44.5	1.18	REMOVE/LOWER AS FUNDS ALLOW
6287	TREE CLUSTER 9	134.24	44.1	2.27	REMOVE/LOWER AS FUNDS ALLOW
6290	TREE CLUSTER 9	134.27	44.8	7.77	REMOVE/LOWER AS FUNDS ALLOW
6296	TREE CLUSTER 9	134.30	46.3	3.09	REMOVE/LOWER AS FUNDS ALLOW
6302	TREE CLUSTER 9	134.31	42.1	1.36	REMOVE/LOWER AS FUNDS ALLOW
6303	TREE CLUSTER 9	134.31	41.8	1.20	REMOVE/LOWER AS FUNDS ALLOW
6304	TREE CLUSTER 9	134.31	44.2	3.68	REMOVE/LOWER AS FUNDS ALLOW
6308	TREE CLUSTER 9	134.36	45.3	10.25	REMOVE/LOWER AS FUNDS ALLOW
6309	TREE CLUSTER 9	134.36	45.8	9.29	REMOVE/LOWER AS FUNDS ALLOW
6318	TREE CLUSTER 9	134.43	44.5	1.36	REMOVE/LOWER AS FUNDS ALLOW
6319	TREE CLUSTER 9	134.43	44.7	6.51	REMOVE/LOWER AS FUNDS ALLOW
6322	TREE	134.46	43.6	12.12	REMOVE/LOWER AS FUNDS ALLOW
6326	TREE CLUSTER 9	134.50	44.2	2.38	REMOVE/LOWER AS FUNDS ALLOW
6332	TREE CLUSTER 9	134.57	45.0	6.01	REMOVE/LOWER AS FUNDS ALLOW
6333	TREE CLUSTER 9	134.57	45.6	9.74	REMOVE/LOWER AS FUNDS ALLOW
6336	TREE CLUSTER 9	134.61	48.6	9.77	REMOVE/LOWER AS FUNDS ALLOW
6337	TREE CLUSTER 9	134.61	48.6	11.87	REMOVE/LOWER AS FUNDS ALLOW
6340	TREE CLUSTER 9	134.64	45.6	10.36	REMOVE/LOWER AS FUNDS ALLOW
6350	TREE CLUSTER 9	134.71	44.4	2.54	REMOVE/LOWER AS FUNDS ALLOW
6359	TREE CLUSTER 9	134.77	45.8	9.38	REMOVE/LOWER AS FUNDS ALLOW
6366	TREE CLUSTER 9	134.84	45.2	3.63	REMOVE/LOWER AS FUNDS ALLOW
6367	TREE CLUSTER 9	134.84	45.1	7.94	REMOVE/LOWER AS FUNDS ALLOW
6368	TREE CLUSTER 9	134.84	46.3	10.07	REMOVE/LOWER AS FUNDS ALLOW
6370	TREE CLUSTER 9	134.85	44.0	2.61	REMOVE/LOWER AS FUNDS ALLOW
6399	TREE CLUSTER 9	135.05	42.1	1.10	REMOVE/LOWER AS FUNDS ALLOW
6402	TREE CLUSTER 9	135.11	45.8	2.48	REMOVE/LOWER AS FUNDS ALLOW
6412	TREE CLUSTER 9	135.19	44.4	3.65	REMOVE/LOWER AS FUNDS ALLOW
6413	TREE CLUSTER 9	135.19	42.6	0.79	REMOVE/LOWER AS FUNDS ALLOW
6423	TREE CLUSTER 9	135.25	44.9	1.52	REMOVE/LOWER AS FUNDS ALLOW
6424	TREE CLUSTER 9	135.25	47.7	4.55	REMOVE/LOWER AS FUNDS ALLOW
6425	TREE CLUSTER 9	135.26	42.4	0.67	REMOVE/LOWER AS FUNDS ALLOW
6426	TREE CLUSTER 9	135.26	45.3	5.31	REMOVE/LOWER AS FUNDS ALLOW
6434	TREE CLUSTER 9	135.31	44.5	0.81	REMOVE/LOWER AS FUNDS ALLOW
6438	TREE CLUSTER 9	135.38	45.5	3.54	REMOVE/LOWER AS FUNDS ALLOW
6439	TREE CLUSTER 9	135.38	45.7	7.32	REMOVE/LOWER AS FUNDS ALLOW
6441	TREE CLUSTER 9	135.39	43.9	4.61	REMOVE/LOWER AS FUNDS ALLOW
6447	TREE CLUSTER 9	135.45	45.4	2.05	REMOVE/LOWER AS FUNDS ALLOW
6448	TREE CLUSTER 9	135.45	44.5	0.54	REMOVE/LOWER AS FUNDS ALLOW
6451	TREE CLUSTER 9	135.46	44.6	5.09	REMOVE/LOWER AS FUNDS ALLOW
6458	TREE CLUSTER 9	135.52	45.1	1.46	REMOVE/LOWER AS FUNDS ALLOW
6459	TREE CLUSTER 9	135.52	49.3	8.78	REMOVE/LOWER AS FUNDS ALLOW
6460	TREE CLUSTER 9	135.53	44.0	2.38	REMOVE/LOWER AS FUNDS ALLOW
6461	TREE CLUSTER 9	135.53	44.5	1.45	REMOVE/LOWER AS FUNDS ALLOW
6468	TREE CLUSTER 9	135.59	44.0	1.91	REMOVE/LOWER AS FUNDS ALLOW
6472	TREE CLUSTER 9	135.66	42.8	2.42	REMOVE/LOWER AS FUNDS ALLOW
6478	TREE CLUSTER 9	135.72	45.1	1.42	REMOVE/LOWER AS FUNDS ALLOW
6482	TREE CLUSTER 9	135.73	42.7	0.26	REMOVE/LOWER AS FUNDS ALLOW
6485	TREE CLUSTER 9	135.77	45.9	2.93	REMOVE/LOWER AS FUNDS ALLOW
6486	TREE CLUSTER 9	135.77	47.1	11.13	REMOVE/LOWER AS FUNDS ALLOW
6489	TREE CLUSTER 9	135.79	41.9	0.03	REMOVE/LOWER AS FUNDS ALLOW
6495	TREE CLUSTER 9	135.84	46.2	4.57	REMOVE/LOWER AS FUNDS ALLOW
6499	TREE CLUSTER 9	135.85	46.0	8.60	REMOVE/LOWER AS FUNDS ALLOW
6500	TREE CLUSTER 9	135.86	43.3	0.46	REMOVE/LOWER AS FUNDS ALLOW
6501	TREE CLUSTER 9	135.86	44.6	0.21	REMOVE/LOWER AS FUNDS ALLOW
6513	TREE CLUSTER 9	136.00	45.8	4.22	REMOVE/LOWER AS FUNDS ALLOW
6517	TREE CLUSTER 9	136.06	46.3	7.49	REMOVE/LOWER AS FUNDS ALLOW
6519	TREE CLUSTER 9	136.07	43.2	2.34	REMOVE/LOWER AS FUNDS ALLOW
6520	TREE CLUSTER 9	136.07	45.1	5.66	REMOVE/LOWER AS FUNDS ALLOW
6521	TREE CLUSTER 9	136.07	45.6	6.18	REMOVE/LOWER AS FUNDS ALLOW
6523	TREE CLUSTER 9	136.13	46.1	7.14	REMOVE/LOWER AS FUNDS ALLOW
6524	TREE CLUSTER 9	136.13	48.3	12.51	REMOVE/LOWER AS FUNDS ALLOW
6529	TREE CLUSTER 9	136.20	45.4	1.45	REMOVE/LOWER AS FUNDS ALLOW
6530	TREE CLUSTER 9	136.20	46.0	2.52	REMOVE/LOWER AS FUNDS ALLOW
6531	TREE CLUSTER 9	136.20	46.2	8.16	REMOVE/LOWER AS FUNDS ALLOW
6532	TREE CLUSTER 9	136.20	47.3	11.03	REMOVE/LOWER AS FUNDS ALLOW
6539	TREE CLUSTER 9	136.26	48.4	5.90	REMOVE/LOWER AS FUNDS ALLOW
6540	TREE CLUSTER 9	136.27	43.2	0.88	REMOVE/LOWER AS FUNDS ALLOW
6543	TREE CLUSTER 9	136.31	47.3	13.15	REMOVE/LOWER AS FUNDS ALLOW
6547	TREE CLUSTER 9	136.33	47.3	10.75	REMOVE/LOWER AS FUNDS ALLOW
6549	TREE CLUSTER 9	136.34	43.2	0.18	REMOVE/LOWER AS FUNDS ALLOW
6563	TREE CLUSTER 9	136.47	46.6	8.68	REMOVE/LOWER AS FUNDS ALLOW
6565	TREE CLUSTER 9	136.48	46.1	6.31	REMOVE/LOWER AS FUNDS ALLOW
6566	TREE CLUSTER 9	136.48	44.9	0.82	REMOVE/LOWER AS FUNDS ALLOW
6577	TREE CLUSTER 9	136.60	46.4	3.99	REMOVE/LOWER AS FUNDS ALLOW
6578	TREE CLUSTER 9	136.60	46.7	8.09	REMOVE/LOWER AS FUNDS ALLOW
6579	TREE CLUSTER 9	136.60	46.6	8.08	REMOVE/LOWER AS FUNDS ALLOW
6580	TREE CLUSTER 9	136.60	47.7	7.79	REMOVE/LOWER AS FUNDS ALLOW
6583	TREE CLUSTER 9	136.61	43.9	1.65	REMOVE/LOWER AS FUNDS ALLOW
6584	TREE CLUSTER 9	136.61	46.7	7.00	REMOVE/LOWER AS FUNDS ALLOW
6594	TREE CLUSTER 9	136.67	46.4	3.29	REMOVE/LOWER AS FUNDS ALLOW
6596	TREE CLUSTER 9	136.68	43.4	0.73	REMOVE/LOWER AS FUNDS ALLOW
6601	TREE CLUSTER 9	136.74	45.8	2.56	REMOVE/LOWER AS FUNDS ALLOW
6606	TREE CLUSTER 9	136.79	45.1	2.84	REMOVE/LOWER AS FUNDS ALLOW

NOTE:

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3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 15L-33R DEPARTURE OBSTRUCTION DATA TABLE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE: AS SHOWN | CONTR. NO.:

DATE: MARCH 2016 | SHEET: 17 of 23

RUNWAY 33R

RUNWAY 33R - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
6613	TREE CLUSTER 9	136.83	46.6	3.23	REMOVE/LOWER AS FUNDS ALLOW
6615	TREE	136.85	41.9	16.47	REMOVE/LOWER AS FUNDS ALLOW
6622	TREE CLUSTER 9	136.87	47.3	9.42	REMOVE/LOWER AS FUNDS ALLOW
6623	TREE CLUSTER 9	136.88	46.1	4.68	REMOVE/LOWER AS FUNDS ALLOW
6624	TREE CLUSTER 9	136.88	47.0	6.24	REMOVE/LOWER AS FUNDS ALLOW
6630	TREE CLUSTER 9	136.94	47.0	7.85	REMOVE/LOWER AS FUNDS ALLOW
6634	TREE CLUSTER 9	137.00	50.8	9.74	REMOVE/LOWER AS FUNDS ALLOW
6638	TREE CLUSTER 9	137.01	45.3	2.07	REMOVE/LOWER AS FUNDS ALLOW
6639	TREE CLUSTER 9	137.01	47.3	10.07	REMOVE/LOWER AS FUNDS ALLOW
6640	TREE CLUSTER 9	137.02	46.9	4.77	REMOVE/LOWER AS FUNDS ALLOW
6641	TREE CLUSTER 9	137.02	45.6	2.10	REMOVE/LOWER AS FUNDS ALLOW
6646	TREE CLUSTER 9	137.06	48.1	7.86	REMOVE/LOWER AS FUNDS ALLOW
6651	TREE CLUSTER 9	137.08	46.1	2.37	REMOVE/LOWER AS FUNDS ALLOW
6652	TREE CLUSTER 9	137.09	46.9	7.06	REMOVE/LOWER AS FUNDS ALLOW
6665	TREE CLUSTER 9	137.22	43.7	0.08	REMOVE/LOWER AS FUNDS ALLOW
6670	TREE CLUSTER 9	137.29	44.6	1.06	REMOVE/LOWER AS FUNDS ALLOW
6671	TREE CLUSTER 9	137.29	47.1	8.49	REMOVE/LOWER AS FUNDS ALLOW
6675	TREE CLUSTER 9	137.35	47.0	5.78	REMOVE/LOWER AS FUNDS ALLOW
6678	TREE CLUSTER 9	137.36	44.8	5.73	REMOVE/LOWER AS FUNDS ALLOW
6686	TREE CLUSTER 9	137.42	46.8	6.38	REMOVE/LOWER AS FUNDS ALLOW
6694	TREE CLUSTER 9	137.48	47.4	3.86	REMOVE/LOWER AS FUNDS ALLOW
6696	TREE CLUSTER 9	137.49	47.2	8.11	REMOVE/LOWER AS FUNDS ALLOW
6697	TREE CLUSTER 9	137.49	44.9	0.77	REMOVE/LOWER AS FUNDS ALLOW
6699	TREE CLUSTER 9	137.53	49.1	16.16	REMOVE/LOWER AS FUNDS ALLOW
6700	TREE CLUSTER 9	137.54	47.2	3.58	REMOVE/LOWER AS FUNDS ALLOW
6702	TREE CLUSTER 9	137.55	47.1	3.49	REMOVE/LOWER AS FUNDS ALLOW
6709	TREE CLUSTER 9	137.62	46.9	3.33	REMOVE/LOWER AS FUNDS ALLOW
6711	TREE CLUSTER 9	137.62	47.6	4.80	REMOVE/LOWER AS FUNDS ALLOW
6728	TREE CLUSTER 9	137.77	47.1	4.80	REMOVE/LOWER AS FUNDS ALLOW
6735	TREE CLUSTER 9	137.83	45.4	1.96	REMOVE/LOWER AS FUNDS ALLOW
6736	TREE CLUSTER 9	137.83	47.2	7.30	REMOVE/LOWER AS FUNDS ALLOW
6748	TREE CLUSTER 9	137.90	45.7	6.33	REMOVE/LOWER AS FUNDS ALLOW
6753	TREE CLUSTER 9	137.96	46.2	1.72	REMOVE/LOWER AS FUNDS ALLOW
6754	TREE CLUSTER 9	137.97	47.4	5.81	REMOVE/LOWER AS FUNDS ALLOW
6755	TREE CLUSTER 9	137.97	48.1	10.15	REMOVE/LOWER AS FUNDS ALLOW
6757	TREE CLUSTER 9	138.04	45.0	6.88	REMOVE/LOWER AS FUNDS ALLOW
6758	TREE CLUSTER 9	138.04	47.3	8.06	REMOVE/LOWER AS FUNDS ALLOW
6763	TREE CLUSTER 9	138.09	45.4	1.65	REMOVE/LOWER AS FUNDS ALLOW
6764	TREE CLUSTER 9	138.10	45.9	3.34	REMOVE/LOWER AS FUNDS ALLOW
6765	TREE CLUSTER 9	138.10	48.1	10.08	REMOVE/LOWER AS FUNDS ALLOW
6768	TREE CLUSTER 9	138.10	45.7	1.19	REMOVE/LOWER AS FUNDS ALLOW
6778	TREE	138.22	47.1	27.02	REMOVE/LOWER AS FUNDS ALLOW
6781	TREE CLUSTER 9	138.24	45.2	2.20	REMOVE/LOWER AS FUNDS ALLOW
6782	TREE CLUSTER 9	138.24	45.1	2.49	REMOVE/LOWER AS FUNDS ALLOW
6783	TREE CLUSTER 9	138.24	46.4	1.81	REMOVE/LOWER AS FUNDS ALLOW
6786	TREE CLUSTER 9	138.30	47.4	4.89	REMOVE/LOWER AS FUNDS ALLOW
6791	TREE CLUSTER 9	138.31	48.1	7.77	REMOVE/LOWER AS FUNDS ALLOW
6795	TREE CLUSTER 9	138.37	47.6	3.80	REMOVE/LOWER AS FUNDS ALLOW
6807	TREE CLUSTER 9	138.44	45.2	1.94	REMOVE/LOWER AS FUNDS ALLOW
6808	TREE CLUSTER 9	138.44	44.9	0.69	REMOVE/LOWER AS FUNDS ALLOW
6813	TREE CLUSTER 9	138.50	48.5	5.63	REMOVE/LOWER AS FUNDS ALLOW
6814	TREE CLUSTER 9	138.51	46.0	1.76	REMOVE/LOWER AS FUNDS ALLOW
6829	TREE CLUSTER 9	138.58	46.6	2.22	REMOVE/LOWER AS FUNDS ALLOW
6831	TREE CLUSTER 9	138.58	44.6	0.40	REMOVE/LOWER AS FUNDS ALLOW
6835	TREE CLUSTER 9	138.65	47.8	4.87	REMOVE/LOWER AS FUNDS ALLOW
6843	TREE	138.77	46.5	26.72	REMOVE/LOWER AS FUNDS ALLOW
6845	TREE CLUSTER 9	138.78	48.0	4.81	REMOVE/LOWER AS FUNDS ALLOW
6848	TREE CLUSTER 9	138.78	48.2	5.93	REMOVE/LOWER AS FUNDS ALLOW
6858	TREE CLUSTER 9	138.85	48.7	10.43	REMOVE/LOWER AS FUNDS ALLOW
6859	TREE CLUSTER 9	138.85	46.9	2.51	REMOVE/LOWER AS FUNDS ALLOW
6862	TREE	138.90	46.7	24.78	REMOVE/LOWER AS FUNDS ALLOW
6867	TREE CLUSTER 9	138.92	48.8	9.38	REMOVE/LOWER AS FUNDS ALLOW
6879	TREE CLUSTER 9	139.04	48.6	5.24	REMOVE/LOWER AS FUNDS ALLOW
6883	TREE CLUSTER 9	139.05	48.4	9.35	REMOVE/LOWER AS FUNDS ALLOW
6904	TREE CLUSTER 9	139.19	46.7	2.24	REMOVE/LOWER AS FUNDS ALLOW
6909	TREE CLUSTER 9	139.21	45.2	1.77	REMOVE/LOWER AS FUNDS ALLOW
6916	TREE CLUSTER 9	139.26	45.0	0.93	REMOVE/LOWER AS FUNDS ALLOW
6917	TREE CLUSTER 9	139.26	46.2	1.66	REMOVE/LOWER AS FUNDS ALLOW
6927	TREE	139.37	45.5	27.39	REMOVE/LOWER AS FUNDS ALLOW
6928	TREE CLUSTER 9	139.38	45.9	1.23	REMOVE/LOWER AS FUNDS ALLOW
6930	TREE CLUSTER 9	139.39	45.6	0.91	REMOVE/LOWER AS FUNDS ALLOW
6935	TREE	139.45	53.4	13.29	REMOVE/LOWER AS FUNDS ALLOW
6936	TREE CLUSTER 9	139.46	47.6	3.35	REMOVE/LOWER AS FUNDS ALLOW
6937	TREE CLUSTER 9	139.46	46.8	2.30	REMOVE/LOWER AS FUNDS ALLOW
6959	TREE CLUSTER 9	139.61	47.8	3.55	REMOVE/LOWER AS FUNDS ALLOW
6966	TREE CLUSTER 9	139.66	43.4	0.26	REMOVE/LOWER AS FUNDS ALLOW
6967	TREE CLUSTER 9	139.66	45.6	2.39	REMOVE/LOWER AS FUNDS ALLOW
7004	TREE CLUSTER 9	139.94	46.2	1.91	REMOVE/LOWER AS FUNDS ALLOW
7010	TREE CLUSTER 9	139.96	46.1	0.01	REMOVE/LOWER AS FUNDS ALLOW
7013	TREE	139.99	48.6	27.19	REMOVE/LOWER AS FUNDS ALLOW
7014	TREE CLUSTER 9	139.99	48.5	4.12	REMOVE/LOWER AS FUNDS ALLOW
7043	TREE CLUSTER 9	140.19	47.2	5.50	REMOVE/LOWER AS FUNDS ALLOW
7062	TREE CLUSTER 9	140.34	47.4	7.82	REMOVE/LOWER AS FUNDS ALLOW
7094	TREE CLUSTER 9	140.55	47.0	3.08	REMOVE/LOWER AS FUNDS ALLOW
7101	TREE CLUSTER 9	140.56	50.1	7.61	REMOVE/LOWER AS FUNDS ALLOW
7110	TREE CLUSTER 9	140.61	48.8	4.65	REMOVE/LOWER AS FUNDS ALLOW
7111	TREE CLUSTER 9	140.61	47.6	3.35	REMOVE/LOWER AS FUNDS ALLOW
7120	TREE CLUSTER 9	140.70	46.5	2.47	REMOVE/LOWER AS FUNDS ALLOW
7129	TREE CLUSTER 9	140.82	46.6	2.35	REMOVE/LOWER AS FUNDS ALLOW
7152	TREE CLUSTER 9	140.90	45.5	1.92	REMOVE/LOWER AS FUNDS ALLOW
7164	TREE CLUSTER 9	141.02	47.3	2.79	REMOVE/LOWER AS FUNDS ALLOW
7172	TREE CLUSTER 9	141.09	47.2	2.37	REMOVE/LOWER AS FUNDS ALLOW
7173	TREE CLUSTER 9	141.09	50.6	12.19	REMOVE/LOWER AS FUNDS ALLOW
7177	TREE CLUSTER 9	141.10	49.3	9.68	REMOVE/LOWER AS FUNDS ALLOW
7196	TREE CLUSTER 9	141.29	45.2	1.10	REMOVE/LOWER AS FUNDS ALLOW
7239	TREE CLUSTER 9	141.56	50.4	11.26	REMOVE/LOWER AS FUNDS ALLOW
7243	TREE CLUSTER 9	141.59	48.2	5.24	REMOVE/LOWER AS FUNDS ALLOW
7246	TREE CLUSTER 9	141.62	50.6	6.28	REMOVE/LOWER AS FUNDS ALLOW
7247	TREE CLUSTER 9	141.63	47.8	3.07	REMOVE/LOWER AS FUNDS ALLOW
7253	TREE CLUSTER 9	141.63	51.5	12.96	REMOVE/LOWER AS FUNDS ALLOW
7258	TREE CLUSTER 9	141.65	50.3	5.83	REMOVE/LOWER AS FUNDS ALLOW
7272	TREE	141.75	52.5	22.92	REMOVE/LOWER AS FUNDS ALLOW
7273	TREE CLUSTER 9	141.77	51.4	12.48	REMOVE/LOWER AS FUNDS ALLOW
7293	TREE CLUSTER 9	141.85	48.8	8.81	REMOVE/LOWER AS FUNDS ALLOW
7310	TREE CLUSTER 9	141.92	49.5	5.10	REMOVE/LOWER AS FUNDS ALLOW
7320	TREE CLUSTER 9	142.04	49.0	9.30	REMOVE/LOWER AS FUNDS ALLOW
7321	TREE CLUSTER 9	142.04	51.5	12.39	REMOVE/LOWER AS FUNDS ALLOW
7351	TREE CLUSTER 9	142.19	48.6	4.15	REMOVE/LOWER AS FUNDS ALLOW
7362	TREE CLUSTER 9	142.31	48.7	1.51	REMOVE/LOWER AS FUNDS ALLOW
7380	TREE CLUSTER 9	142.37	49.4	9.07	REMOVE/LOWER AS FUNDS ALLOW
7391	TREE CLUSTER 9	142.45	52.2	13.61	REMOVE/LOWER AS FUNDS ALLOW
7403	TREE CLUSTER 9	142.51	48.6	1.29	REMOVE/LOWER AS FUNDS ALLOW
7416	TREE CLUSTER 9	142.58	49.2	1.30	REMOVE/LOWER AS FUNDS ALLOW
7446	TREE CLUSTER 9	142.72	48.2	0.26	REMOVE/LOWER AS FUNDS ALLOW
7447	TREE CLUSTER 9	142.72	48.8	0.34	REMOVE/LOWER AS FUNDS ALLOW
7463	TREE CLUSTER 9	142.78	52.0	13.38	REMOVE/LOWER AS FUNDS ALLOW
7490	TREE CLUSTER 9	142.92	48.6	1.67	REMOVE/LOWER AS FUNDS ALLOW
7502	TREE	142.99	52.6	14.46	REMOVE/LOWER AS FUNDS ALLOW
7518	TREE CLUSTER 9	143.06	50.2	10.25	REMOVE/LOWER AS FUNDS ALLOW
7569	TREE CLUSTER 9	143.36	53.0	9.14	REMOVE/LOWER AS FUNDS ALLOW
7591	TREE CLUSTER 9	143.46	47.6	3.63	REMOVE/LOWER AS FUNDS ALLOW
7601	TREE CLUSTER 9	143.53	49.4	0.87	REMOVE/LOWER AS FUNDS ALLOW
7629	TREE CLUSTER 9	143.67	49.9	2.32	REMOVE/LOWER AS FUNDS ALLOW
7696	TREE CLUSTER 9	144.01	47.5	3.54	REMOVE/LOWER AS FUNDS ALLOW
7707	TREE CLUSTER 9	144.10	48.6	3.34	REMOVE/LOWER AS FUNDS ALLOW
7836	TREE CLUSTER 9	144.84	51.0	2.78	REMOVE/LOWER AS FUNDS ALLOW
7860	TREE CLUSTER 9	145.02	51.0	3.28	REMOVE/LOWER AS FUNDS ALLOW
7967	TREE	145.71	54.7	29.11	REMOVE/LOWER AS FUNDS ALLOW
7974	TREE CLUSTER 9	145.77	48.5	0.59	REMOVE/LOWER AS FUNDS ALLOW
8079	TREE CLUSTER 9	146.43	48.7	1.19	REMOVE/LOWER AS FUNDS ALLOW
8200	TREE CLUSTER 9	147.19	51.2	0.98	REMOVE/LOWER AS FUNDS ALLOW
8396	TREE CLUSTER 9	148.78	50.7	1.64	REMOVE/LOWER AS FUNDS ALLOW
8400	TREE CLUSTER 9	148.80	50.9	1.61	REMOVE/LOWER AS FUNDS ALLOW
8469	TREE CLUSTER 9	149.30	51.4	1.94	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 15R

RUNWAY 15R - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
1663	PRIMARY ROAD	90.49	32.5	3.66	NO ACTION (MOVEABLE OBJECT)
1664	PRIMARY ROAD	90.52	61.4	7.63	NO ACTION (MOVEABLE OBJECT)
1666	PRIMARY ROAD	90.55	32.4	3.92	NO ACTION (MOVEABLE OBJECT)
1669	PRIMARY ROAD	90.64	35.6	7.15	NO ACTION (MOVEABLE OBJECT)
1671	PRIMARY ROAD	90.70	31.8	3.42	NO ACTION (MOVEABLE OBJECT)
1672	PRIMARY ROAD	90.70	32.6	0.72	NO ACTION (MOVEABLE OBJECT)
1673	PRIMARY ROAD	90.73	32.2	1.96	NO ACTION (MOVEABLE OBJECT)
1674	PRIMARY ROAD	90.73	29.2	4.70	NO ACTION (MOVEABLE OBJECT)
1675	PRIMARY ROAD	90.74	31.8	6.28	NO ACTION (MOVEABLE OBJECT)
1688	PRIMARY ROAD	91.02	32.2	6.00	NO ACTION (MOVEABLE OBJECT)
1689	PRIMARY ROAD	91.04	32.1	6.34	NO ACTION (MOVEABLE OBJECT)
1899	BUILDING	101.13	55.7	6.89	NO ACTION
2101	TREE CLUSTER 5	113.26	33.9	2.79	REMOVE/LOWER AS FUNDS ALLOW
2570	TREE CLUSTER 5	108.68	30.5	0.11	REMOVE/LOWER AS FUNDS ALLOW
2608	TREE CLUSTER 5	109.28	32.9	0.46	REMOVE/LOWER AS FUNDS ALLOW
2626	TREE CLUSTER 5	109.48	32.6	0.68	REMOVE/LOWER AS FUNDS ALLOW
2628	TREE CLUSTER 5	109.48	32.1	0.73	REMOVE/LOWER AS FUNDS ALLOW
2680	TREE CLUSTER 5	110.20	32.2	1.13	REMOVE/LOWER AS FUNDS ALLOW
2699	TREE CLUSTER 5	110.43	30.7	0.62	REMOVE/LOWER AS FUNDS ALLOW
2715	TREE CLUSTER 5	110.63	30.6	1.26	REMOVE/LOWER AS FUNDS ALLOW
2716	TREE CLUSTER 5	110.67	31.6	0.15	REMOVE/LOWER AS FUNDS ALLOW
2720	TREE CLUSTER 5	110.70	30.7	1.62	REMOVE/LOWER AS FUNDS ALLOW
2741	TREE CLUSTER 5	110.95	35.2	2.37	REMOVE/LOWER AS FUNDS ALLOW
2762	TREE CLUSTER 5	111.10	32.3	2.37	REMOVE/LOWER AS FUNDS ALLOW
2783	TREE CLUSTER 5	111.24	35.5	2.25	REMOVE/LOWER AS FUNDS ALLOW
2815	TREE CLUSTER 5	111.48	35.1	1.24	REMOVE/LOWER AS FUNDS ALLOW
2820	TREE CLUSTER 5	111.51	32.4	1.52	REMOVE/LOWER AS FUNDS ALLOW
2832	TREE CLUSTER 5	111.64	44.9	1.20	REMOVE/LOWER AS FUNDS ALLOW
2849	TREE CLUSTER 5	111.78	36.2	2.43	REMOVE/LOWER AS FUNDS ALLOW
2880	TREE CLUSTER 5	112.11	34.1	0.79	REMOVE/LOWER AS FUNDS ALLOW
2898	TREE CLUSTER 5	112.25	36.7	2.33	REMOVE/LOWER AS FUNDS ALLOW
2900	TREE CLUSTER 5	112.29	37.2	0.41	REMOVE/LOWER AS FUNDS ALLOW
2908	TREE CLUSTER 5	112.38	38.8	2.91	REMOVE/LOWER AS FUNDS ALLOW
2944	TREE CLUSTER 5	112.72	40.1	2.86	REMOVE/LOWER AS FUNDS ALLOW
2952	TREE CLUSTER 5	112.79	35.3	3.75	REMOVE/LOWER AS FUNDS ALLOW
2953	TREE CLUSTER 5	112.79	36.7	3.50	REMOVE/LOWER AS FUNDS ALLOW
2967	TREE CLUSTER 5	112.92	34.7	1.18	REMOVE/LOWER AS FUNDS ALLOW

NOTE:

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3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

RUNWAY 15R

RUNWAY 15R - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
2986	TREE CLUSTER 5	113.19	38.1	2.96	REMOVE/LOWER AS FUNDS ALLOW
3015	TREE CLUSTER 5	113.46	38.1	2.66	REMOVE/LOWER AS FUNDS ALLOW
3017	TREE CLUSTER 5	113.51	33.8	4.08	REMOVE/LOWER AS FUNDS ALLOW
3031	TREE CLUSTER 5	113.60	36.4	4.30	REMOVE/LOWER AS FUNDS ALLOW
3039	TREE CLUSTER 5	113.67	38.0	3.35	REMOVE/LOWER AS FUNDS ALLOW
3040	TREE CLUSTER 5	113.67	34.1	4.78	REMOVE/LOWER AS FUNDS ALLOW
3051	TREE CLUSTER 5	113.80	37.1	1.65	REMOVE/LOWER AS FUNDS ALLOW
3083	TREE CLUSTER 5	114.14	40.4	1.53	REMOVE/LOWER AS FUNDS ALLOW
3161	TREE CLUSTER 5	114.68	38.6	4.46	REMOVE/LOWER AS FUNDS ALLOW
3214	TREE CLUSTER 5	115.02	37.9	4.23	REMOVE/LOWER AS FUNDS ALLOW
3230	TREE CLUSTER 5	115.08	41.1	2.83	REMOVE/LOWER AS FUNDS ALLOW
3250	TREE CLUSTER 5	115.22	39.5	4.60	REMOVE/LOWER AS FUNDS ALLOW
3254	TREE CLUSTER 5	115.24	43.5	4.85	REMOVE/LOWER AS FUNDS ALLOW
3263	TREE CLUSTER 5	115.28	41.1	3.14	REMOVE/LOWER AS FUNDS ALLOW
3272	TREE CLUSTER 5	115.35	38.0	4.92	REMOVE/LOWER AS FUNDS ALLOW
3276	TREE CLUSTER 5	115.39	38.5	2.69	REMOVE/LOWER AS FUNDS ALLOW
3299	TREE CLUSTER 5	115.53	39.7	3.62	REMOVE/LOWER AS FUNDS ALLOW
3306	TREE CLUSTER 5	115.55	40.4	5.95	REMOVE/LOWER AS FUNDS ALLOW
3311	TREE	115.57	44.5	0.15	REMOVE/LOWER AS FUNDS ALLOW
3345	TREE CLUSTER 5	115.78	37.0	6.77	REMOVE/LOWER AS FUNDS ALLOW
3383	TREE CLUSTER 5	115.96	40.2	5.16	REMOVE/LOWER AS FUNDS ALLOW
3386	TREE CLUSTER 5	115.98	41.3	3.52	REMOVE/LOWER AS FUNDS ALLOW
3399	TREE CLUSTER 5	116.03	41.2	4.39	REMOVE/LOWER AS FUNDS ALLOW
3469	TREE CLUSTER 5	116.50	41.1	5.03	REMOVE/LOWER AS FUNDS ALLOW
3480	TREE CLUSTER 5	116.57	40.8	3.86	REMOVE/LOWER AS FUNDS ALLOW
3508	TREE CLUSTER 5	116.75	41.3	5.63	REMOVE/LOWER AS FUNDS ALLOW
3563	TREE CLUSTER 5	117.01	39.3	5.22	REMOVE/LOWER AS FUNDS ALLOW
3578	TREE CLUSTER 5	117.06	43.6	4.28	REMOVE/LOWER AS FUNDS ALLOW
3591	TREE CLUSTER 5	117.13	45.3	0.66	REMOVE/LOWER AS FUNDS ALLOW
3597	TREE CLUSTER 5	117.15	40.0	4.96	REMOVE/LOWER AS FUNDS ALLOW
3598	TREE CLUSTER 5	117.15	44.7	1.69	REMOVE/LOWER AS FUNDS ALLOW
3663	TREE CLUSTER 5	117.38	40.6	8.15	REMOVE/LOWER AS FUNDS ALLOW
3670	TREE CLUSTER 5	117.42	41.2	4.41	REMOVE/LOWER AS FUNDS ALLOW
3676	TREE CLUSTER 5	117.44	38.3	7.72	REMOVE/LOWER AS FUNDS ALLOW
3677	TREE CLUSTER 5	117.44	40.7	5.53	REMOVE/LOWER AS FUNDS ALLOW
3678	TREE CLUSTER 5	117.44	44.1	0.65	REMOVE/LOWER AS FUNDS ALLOW
3692	TREE CLUSTER 5	117.51	44.1	2.58	REMOVE/LOWER AS FUNDS ALLOW
3734	TREE CLUSTER 5	117.71	41.0	7.88	REMOVE/LOWER AS FUNDS ALLOW
3748	TREE CLUSTER 5	117.78	42.1	4.77	REMOVE/LOWER AS FUNDS ALLOW
3764	TREE CLUSTER 5	117.84	43.5	0.10	REMOVE/LOWER AS FUNDS ALLOW
3796	TREE CLUSTER 5	117.92	40.3	8.32	REMOVE/LOWER AS FUNDS ALLOW
3861	TREE CLUSTER 5	118.11	43.7	0.84	REMOVE/LOWER AS FUNDS ALLOW
3892	TREE CLUSTER 5	118.25	45.4	1.46	REMOVE/LOWER AS FUNDS ALLOW
3930	TREE CLUSTER 5	118.39	39.6	8.12	REMOVE/LOWER AS FUNDS ALLOW
3990	TREE CLUSTER 5	118.59	42.3	4.96	REMOVE/LOWER AS FUNDS ALLOW
4012	TREE CLUSTER 5	118.66	42.0	6.11	REMOVE/LOWER AS FUNDS ALLOW
4013	TREE CLUSTER 5	118.66	41.0	6.10	REMOVE/LOWER AS FUNDS ALLOW
4040	TREE CLUSTER 5	118.79	43.0	5.56	REMOVE/LOWER AS FUNDS ALLOW
4073	TREE CLUSTER 5	118.93	46.8	1.46	REMOVE/LOWER AS FUNDS ALLOW
4090	TREE CLUSTER 5	118.98	43.1	9.23	REMOVE/LOWER AS FUNDS ALLOW
4095	TREE CLUSTER 5	118.99	45.4	4.49	REMOVE/LOWER AS FUNDS ALLOW
4121	TREE CLUSTER 5	119.05	47.1	1.03	REMOVE/LOWER AS FUNDS ALLOW
4141	TREE CLUSTER 5	119.13	40.6	9.26	REMOVE/LOWER AS FUNDS ALLOW
4142	TREE CLUSTER 5	119.13	42.4	9.54	REMOVE/LOWER AS FUNDS ALLOW
4155	TREE CLUSTER 5	119.20	44.5	3.44	REMOVE/LOWER AS FUNDS ALLOW
4159	TREE CLUSTER 5	119.22	39.4	9.04	REMOVE/LOWER AS FUNDS ALLOW
4198	TREE CLUSTER 5	119.40	47.6	1.94	REMOVE/LOWER AS FUNDS ALLOW
4207	TREE CLUSTER 5	119.47	41.3	9.94	REMOVE/LOWER AS FUNDS ALLOW
4217	TREE	119.56	37.7	8.79	REMOVE/LOWER AS FUNDS ALLOW
4227	TREE CLUSTER 5	119.59	44.6	0.01	REMOVE/LOWER AS FUNDS ALLOW
4268	TREE CLUSTER 5	119.85	46.2	4.49	REMOVE/LOWER AS FUNDS ALLOW
4306	TREE CLUSTER 5	120.01	43.4	8.41	REMOVE/LOWER AS FUNDS ALLOW
4330	TREE CLUSTER 5	120.12	47.4	4.96	REMOVE/LOWER AS FUNDS ALLOW
4399	TREE CLUSTER 5	120.41	42.9	8.35	REMOVE/LOWER AS FUNDS ALLOW
4415	TREE CLUSTER 5	120.48	42.8	9.70	REMOVE/LOWER AS FUNDS ALLOW
4425	TREE CLUSTER 5	120.55	47.7	2.55	REMOVE/LOWER AS FUNDS ALLOW
4470	TREE CLUSTER 5	120.77	43.7	9.31	REMOVE/LOWER AS FUNDS ALLOW
4479	TREE CLUSTER 5	120.84	42.5	10.11	REMOVE/LOWER AS FUNDS ALLOW
4490	TREE CLUSTER 5	120.88	46.9	2.30	REMOVE/LOWER AS FUNDS ALLOW
4502	TREE CLUSTER 5	120.94	45.9	1.79	REMOVE/LOWER AS FUNDS ALLOW
4529	TREE CLUSTER 5	121.09	47.2	5.46	REMOVE/LOWER AS FUNDS ALLOW
4542	TREE CLUSTER 5	121.22	44.0	8.76	REMOVE/LOWER AS FUNDS ALLOW
4551	TREE CLUSTER 5	121.31	47.2	7.22	REMOVE/LOWER AS FUNDS ALLOW
4577	TREE CLUSTER 5	121.42	45.1	6.57	REMOVE/LOWER AS FUNDS ALLOW
4587	TREE CLUSTER 5	121.49	44.2	8.56	REMOVE/LOWER AS FUNDS ALLOW
4595	TREE CLUSTER 5	121.56	46.0	7.86	REMOVE/LOWER AS FUNDS ALLOW
4604	TREE CLUSTER 5	121.61	44.3	11.51	REMOVE/LOWER AS FUNDS ALLOW
4638	TREE CLUSTER 5	121.76	45.6	7.62	REMOVE/LOWER AS FUNDS ALLOW
4664	TREE CLUSTER 5	121.89	47.0	6.49	REMOVE/LOWER AS FUNDS ALLOW
4673	TREE CLUSTER 5	121.96	46.5	6.02	REMOVE/LOWER AS FUNDS ALLOW
4694	TREE	122.09	44.1	0.29	REMOVE/LOWER AS FUNDS ALLOW
4696	TREE CLUSTER 5	122.10	44.2	11.26	REMOVE/LOWER AS FUNDS ALLOW
4734	TREE CLUSTER 5	122.35	44.3	10.21	REMOVE/LOWER AS FUNDS ALLOW
4740	TREE CLUSTER 5	122.39	48.3	7.09	REMOVE/LOWER AS FUNDS ALLOW
4845	TREE CLUSTER 5	122.97	47.4	7.63	REMOVE/LOWER AS FUNDS ALLOW
4864	TREE CLUSTER 5	123.11	48.2	8.56	REMOVE/LOWER AS FUNDS ALLOW
4902	TREE	123.43	42.0	0.76	REMOVE/LOWER AS FUNDS ALLOW
4946	TREE	123.74	61.0	0.76	REMOVE/LOWER AS FUNDS ALLOW
4963	TREE CLUSTER 5	123.87	50.9	6.21	REMOVE/LOWER AS FUNDS ALLOW
4964	TREE	123.90	42.1	0.41	REMOVE/LOWER AS FUNDS ALLOW
4984	TREE CLUSTER 5	123.99	48.1	9.42	REMOVE/LOWER AS FUNDS ALLOW
5021	TREE CLUSTER 5	124.27	47.8	11.03	REMOVE/LOWER AS FUNDS ALLOW
5022	TREE CLUSTER 5	124.27	50.0	3.50	REMOVE/LOWER AS FUNDS ALLOW
5040	TREE CLUSTER 5	124.45	50.1	5.35	REMOVE/LOWER AS FUNDS ALLOW
5078	TREE CLUSTER 5	124.68	44.4	13.72	REMOVE/LOWER AS FUNDS ALLOW
5117	TREE	125.00	43.0	2.22	REMOVE/LOWER AS FUNDS ALLOW
5258	TREE	126.09	47.9	4.69	REMOVE/LOWER AS FUNDS ALLOW
5278	TREE	126.18	47.8	5.85	REMOVE/LOWER AS FUNDS ALLOW
5428	TREE CLUSTER 5	127.43	51.1	8.70	REMOVE/LOWER AS FUNDS ALLOW
5502	TREE CLUSTER 5	128.05	49.5	10.82	REMOVE/LOWER AS FUNDS ALLOW
5612	TREE CLUSTER 5	128.93	49.3	16.65	REMOVE/LOWER AS FUNDS ALLOW
5629	TREE	129.07	48.1	15.40	REMOVE/LOWER AS FUNDS ALLOW
5690	TREE CLUSTER 5	129.62	50.1	12.73	REMOVE/LOWER AS FUNDS ALLOW
5744	TREE CLUSTER 5	130.08	51.5	15.11	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 33L

RUNWAY 33L - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
4	TREE CLUSTER 11	151.40	48.6	31.25	REMOVE/LOWER AS FUNDS ALLOW
8	TREE CLUSTER 11	151.47	46.0	24.19	REMOVE/LOWER AS FUNDS ALLOW
13	TREE	151.51	38.3	4.73	REMOVE/LOWER AS FUNDS ALLOW
14	TREE	151.51	41.1	0.27	REMOVE/LOWER AS FUNDS ALLOW
16	TREE CLUSTER 11	151.52	48.4	29.18	REMOVE/LOWER AS FUNDS ALLOW
17	TREE CLUSTER 11	151.54	50.5	29.40	REMOVE/LOWER AS FUNDS ALLOW
22	TREE CLUSTER 1	151.55	33.6	3.00	REMOVE/LOWER AS FUNDS ALLOW
25	TREE CLUSTER 11	151.60	50.4	37.92	REMOVE/LOWER AS FUNDS ALLOW
27	TREE CLUSTER 1	151.61	35.8	0.01	REMOVE/LOWER AS FUNDS ALLOW
28	TREE CLUSTER 1	151.61	35.2	1.98	REMOVE/LOWER AS FUNDS ALLOW
32	TREE CLUSTER 11	151.67	50.9	34.21	REMOVE/LOWER AS FUNDS ALLOW
45	TREE CLUSTER 11	151.81	48.5	28.91	REMOVE/LOWER AS FUNDS ALLOW
48	TREE CLUSTER 11	151.81	45.8	23.12	REMOVE/LOWER AS FUNDS ALLOW
55	TREE CLUSTER 1	151.88	35.4	3.30	REMOVE/LOWER AS FUNDS ALLOW
69	TREE CLUSTER 11	152.01	49.0	29.91	REMOVE/LOWER AS FUNDS ALLOW
72	TREE CLUSTER 11	152.08	48.1	26.05	REMOVE/LOWER AS FUNDS ALLOW
79	TREE CLUSTER 11	152.13	46.5	22.80	REMOVE/LOWER AS FUNDS ALLOW
80	TREE CLUSTER 11	152.13	46.5	23.04	REMOVE/LOWER AS FUNDS ALLOW
83	TREE CLUSTER 11	152.15	48.7	28.70	REMOVE/LOWER AS FUNDS ALLOW
94	TREE CLUSTER 11	152.21	52.3	38.83	REMOVE/LOWER AS FUNDS ALLOW
96	TREE CLUSTER 1	152.27	37.3	4.93	REMOVE/LOWER AS FUNDS ALLOW
99	TREE CLUSTER 11	152.28	52.0	34.90	REMOVE/LOWER AS FUNDS ALLOW
121	TREE CLUSTER 11	152.48	46.9	23.79	REMOVE/LOWER AS FUNDS ALLOW
129	TREE CLUSTER 1	152.59	36.5	6.32	REMOVE/LOWER AS FUNDS ALLOW
134	TREE CLUSTER 1	152.63	40.0	2.87	REMOVE/LOWER AS FUNDS ALLOW
136	TREE CLUSTER 11	152.67	51.6	37.28	REMOVE/LOWER AS FUNDS ALLOW
139	TREE CLUSTER 11	152.69	47.5	22.91	REMOVE/LOWER AS FUNDS ALLOW
140	TREE CLUSTER 11	152.69	47.1	24.81	REMOVE/LOWER AS FUNDS ALLOW
141	TREE CLUSTER 11	152.69	49.6	24.49	REMOVE/LOWER AS FUNDS ALLOW
142	TREE CLUSTER 1	152.69	38.2	5.50	REMOVE/LOWER AS FUNDS ALLOW
144	TREE CLUSTER 11	152.74	49.7	30.86	REMOVE/LOWER AS FUNDS ALLOW
148	TREE CLUSTER 11	152.76	48.7	23.45	REMOVE/LOWER AS FUNDS ALLOW
149	TREE CLUSTER 1	152.76	40.2	4.18	REMOVE/LOWER AS FUNDS ALLOW
150	TREE CLUSTER 11	152.82	47.4	25.33	REMOVE/LOWER AS FUNDS ALLOW
151	TREE CLUSTER 11	152.82	47.0	25.28	REMOVE/LOWER AS FUNDS ALLOW
153	TREE CLUSTER 11	152.82	48.2	22.79	REMOVE/LOWER AS FUNDS ALLOW
162	TREE CLUSTER 11	152.94	53.9	40.22	REMOVE/LOWER AS FUNDS ALLOW
163	TREE CLUSTER 11	152.95	53.4	35.47	REMOVE/LOWER AS FUNDS ALLOW
165	TREE CLUSTER 11	152.96	47.0	23.49	REMOVE/LOWER AS FUNDS ALLOW
173	TREE CLUSTER 1	153.03	36.9	3.31	REMOVE/LOWER AS FUNDS ALLOW
180	TREE CLUSTER 11	153.08	50.6	33.86	REMOVE/LOWER AS FUNDS ALLOW
184	TREE CLUSTER 11	153.10	49.9	31.47	REMOVE/LOWER AS FUNDS ALLOW
185	TREE CLUSTER 11	153.10	50.1	31.98	REMOVE/LOWER AS FUNDS ALLOW
191	TREE CLUSTER 11	153.16	50.0	31.10	REMOVE/LOWER AS FUNDS ALLOW
192	TREE CLUSTER 11	153.16	50.0	31.43	REMOVE/LOWER AS FUNDS ALLOW
201	TREE CLUSTER 1	153.23	39.9	2.75	REMOVE/LOWER AS FUNDS ALLOW
206	TREE CLUSTER 11	153.30	51.6	32.64	REMOVE/LOWER AS FUNDS ALLOW
214	TREE CLUSTER 11	153.35	50.0	30.90	REMOVE/LOWER AS FUNDS ALLOW
215	TREE CLUSTER 11	153.35	49.7	28.17	REMOVE/LOWER AS FUNDS ALLOW
217	TREE CLUSTER 11	153.37	48.8	24.37	REMOVE/LOWER AS FUNDS ALLOW
222	TREE CLUSTER 11	153.43	48.1	22.75	REMOVE/LOWER AS FUNDS ALLOW
225	TREE CLUSTER 1	153.50	40.3	2.71	REMOVE/LOWER AS FUNDS ALLOW
227	TREE CLUSTER 11	153.50	52.5	24.12	REMOVE/LOWER AS FUNDS ALLOW
231	TREE CLUSTER 11	153.57	48.4	22.90	REMOVE/LOWER AS FUNDS ALLOW
240	TREE CLUSTER 1	153.70	36.7	4.44	REMOVE/LOWER AS FUNDS ALLOW
241	TREE CLUSTER 11	153.71	53.9	35.15	REMOVE/LOWER AS FUNDS ALLOW
246	TREE CLUSTER 11	153.76	53.4	40.71	REMOVE/LOWER AS FUNDS ALLOW
252	TREE CLUSTER 1	153.84	40.2	3.76	REMOVE/LOWER AS FUNDS ALLOW
253	TREE CLUSTER 1	153.84	36.8	3.96	REMOVE/LOWER AS FUNDS ALLOW
260	TREE CLUSTER 11	153.91	50.6	31.39	REMOVE/LOWER AS FUNDS ALLOW
265	TREE CLUSTER 1	153.97	40.5	8.26	REMOVE/LOWER AS FUNDS ALLOW
269	TREE CLUSTER 11	154.03	54.2	35.92	REMOVE/LOWER AS FUNDS ALLOW
271	TREE CLUSTER 11	154.05	50.4	29.61	REMOVE/LOWER AS FUNDS ALLOW
283	TREE CLUSTER 1	154.23	38.9	7.82	REMOVE/LOWER AS FUNDS ALLOW
284	TREE CLUSTER 1	154.24	39.4	6.42	REMOVE/LOWER AS FUNDS ALLOW
292	TREE CLUSTER 11	154.30	51.4	33.62	REMOVE/LOWER AS FUNDS ALLOW
294	TREE CLUSTER 1	154.31	40.1	4.74	REMOVE/LOWER AS FUNDS ALLOW
295	TREE CLUSTER 1	154.31	41.5	8.60	REMOVE/LOWER AS FUNDS ALLOW
301	TREE CLUSTER 11	154.38	52.7	26.52	REMOVE/LOWER AS FUNDS ALLOW

RUNWAY 33L

RUNWAY 33L - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
308	TREE CLUSTER 1	154.49	39.5	7.21	REMOVE/LOWER AS FUNDS ALLOW
309	TREE CLUSTER 11	154.51	48.5	22.19	REMOVE/LOWER AS FUNDS ALLOW
310	TREE CLUSTER 1	154.51	38.7	7.41	REMOVE/LOWER AS FUNDS ALLOW
311	TREE CLUSTER 11	154.52	49.2	26.27	REMOVE/LOWER AS FUNDS ALLOW
316	TREE CLUSTER 11	154.57	49.3	24.20	REMOVE/LOWER AS FUNDS ALLOW
317	TREE CLUSTER 1	154.58	41.0	3.67	REMOVE/LOWER AS FUNDS ALLOW
318	TREE CLUSTER 1	154.58	36.6	7.02	REMOVE/LOWER AS FUNDS ALLOW
319	TREE CLUSTER 1	154.58	40.0	8.98	REMOVE/LOWER AS FUNDS ALLOW
320	TREE CLUSTER 11	154.59	52.8	35.61	REMOVE/LOWER AS FUNDS ALLOW
321	TREE CLUSTER 11	154.59	49.1	23.87	REMOVE/LOWER AS FUNDS ALLOW
334	TREE CLUSTER 11	154.79	49.2	22.71	REMOVE/LOWER AS FUNDS ALLOW
341	TREE CLUSTER 11	154.86	49.2	24.37	REMOVE/LOWER AS FUNDS ALLOW
347	TREE CLUSTER 11	154.99	52.2	34.39	REMOVE/LOWER AS FUNDS ALLOW
354	TREE CLUSTER 1	155.12	37.9	7.00	REMOVE/LOWER AS FUNDS ALLOW
360	TREE CLUSTER 11	155.20	51.7	30.49	REMOVE/LOWER AS FUNDS ALLOW
364	TREE CLUSTER 11	155.25	51.7	30.65	REMOVE/LOWER AS FUNDS ALLOW
374	TREE CLUSTER 1	155.39	42.7	6.22	REMOVE/LOWER AS FUNDS ALLOW
377	TREE CLUSTER 1	155.44	40.6	9.46	REMOVE/LOWER AS FUNDS ALLOW
378	TREE CLUSTER 1	155.46	39.1	6.47	REMOVE/LOWER AS FUNDS ALLOW
392	TREE CLUSTER 1	155.66	43.1	9.99	REMOVE/LOWER AS FUNDS ALLOW
393	TREE CLUSTER 11	155.67	50.5	27.74	REMOVE/LOWER AS FUNDS ALLOW
394	TREE CLUSTER 11	155.67	50.1	24.35	REMOVE/LOWER AS FUNDS ALLOW
397	TREE CLUSTER 11	155.74	56.9	35.68	REMOVE/LOWER AS FUNDS ALLOW
411	TREE	155.87	46.9	10.14	REMOVE/LOWER AS FUNDS ALLOW
417	TREE CLUSTER 1	155.93	39.6	3.00	REMOVE/LOWER AS FUNDS ALLOW
421	TREE	156.00	51.2	6.04	REMOVE/LOWER AS FUNDS ALLOW
426	TREE CLUSTER 1	156.20	42.1	7.25	REMOVE/LOWER AS FUNDS ALLOW
427	TREE CLUSTER 1	156.20	42.5	8.68	REMOVE/LOWER AS FUNDS ALLOW
431	TREE CLUSTER 1	156.26	38.3	6.20	REMOVE/LOWER AS FUNDS ALLOW
433	TREE CLUSTER 1	156.33	42.7	6.86	REMOVE/LOWER AS FUNDS ALLOW
439	TREE CLUSTER 1	156.39	41.4	3.07	REMOVE/LOWER AS FUNDS ALLOW
447	TREE CLUSTER 1	156.47	43.5	6.57	REMOVE/LOWER AS FUNDS ALLOW
454	TREE CLUSTER 11	156.61	56.0	28.40	REMOVE/LOWER AS FUNDS ALLOW
455	TREE	156.61	45.0	0.45	REMOVE/LOWER AS FUNDS ALLOW
459	TREE CLUSTER 1	156.67	42.3	8.52	REMOVE/LOWER AS FUNDS ALLOW
475	TREE	156.94	52.5	1.31	REMOVE/LOWER AS FUNDS ALLOW
477	TREE CLUSTER 11	156.96	51.2	24.90	REMOVE/LOWER AS FUNDS ALLOW
488	TREE CLUSTER 1	157.21	43.2	10.47	REMOVE/LOWER AS FUNDS ALLOW
492	TREE CLUSTER 1	157.27	39.7	4.91	REMOVE/LOWER AS FUNDS ALLOW
501	TREE CLUSTER 1	157.41	40.6	2.10	REMOVE/LOWER AS FUNDS ALLOW
506	TREE CLUSTER 1	157.48	39.5	7.83	REMOVE/LOWER AS FUNDS ALLOW
507	TREE CLUSTER 1	157.49	44.5	7.01	REMOVE/LOWER AS FUNDS ALLOW
508	TREE	157.55	48.6	5.70	REMOVE/LOWER AS FUNDS ALLOW
511	TREE CLUSTER 11	157.57	52.2	26.40	REMOVE/LOWER AS FUNDS ALLOW
514	TREE CLUSTER 1	157.61	40.8	3.74	REMOVE/LOWER AS FUNDS ALLOW
515	TREE CLUSTER 1	157.61	39.6	8.42	REMOVE/LOWER AS FUNDS ALLOW
516	TREE CLUSTER 1	157.61	44.7	7.14	REMOVE/LOWER AS FUNDS ALLOW
522	TREE CLUSTER 1	157.75	44.8	12.55	REMOVE/LOWER AS FUNDS ALLOW
524	TREE CLUSTER 1	157.79	41.8	5.65	REMOVE/LOWER AS FUNDS ALLOW
526	TREE CLUSTER 1	157.88	44.9	10.19	REMOVE/LOWER AS FUNDS ALLOW
530	TREE CLUSTER 1	157.95	44.6	8.48	REMOVE/LOWER AS FUNDS ALLOW
531	TREE CLUSTER 1	157.95	40.0	8.31	REMOVE/LOWER AS FUNDS ALLOW
536	TREE CLUSTER 1	158.08	40.2	7.28	REMOVE/LOWER AS FUNDS ALLOW
540	TREE CLUSTER 1	158.13	41.7	11.45	REMOVE/LOWER AS FUNDS ALLOW
541	TREE CLUSTER 1	158.14	42.2	5.61	REMOVE/LOWER AS FUNDS ALLOW
542	TREE CLUSTER 1	158.15	45.0	11.56	REMOVE/LOWER AS FUNDS ALLOW
543	TREE CLUSTER 1	158.15	44.7	11.84	REMOVE/LOWER AS FUNDS ALLOW
544	TREE CLUSTER 1	158.15	44.9	12.26	REMOVE/LOWER AS FUNDS ALLOW
546	TREE CLUSTER 1	158.22	44.2	10.06	REMOVE/LOWER AS FUNDS ALLOW
547	TREE CLUSTER 1	158.22	40.2	8.50	REMOVE/LOWER AS FUNDS ALLOW
550	TREE CLUSTER 1	158.24	45.3	13.07	REMOVE/LOWER AS FUNDS ALLOW
551	TREE	158.25	52.6	26.63	REMOVE/LOWER AS FUNDS ALLOW
554	TREE CLUSTER 1	158.35	40.6	7.62	REMOVE/LOWER AS FUNDS ALLOW
561	TREE CLUSTER 1	158.49	46.4	10.15	REMOVE/LOWER AS FUNDS ALLOW
563	TREE	158.50	52.8	27.09	REMOVE/LOWER AS FUNDS ALLOW
568	TREE CLUSTER 1	158.69	41.6	7.79	REMOVE/LOWER AS FUNDS ALLOW
572	TREE CLUSTER 1	158.76	45.2	10.93	REMOVE/LOWER AS FUNDS ALLOW
586	TREE CLUSTER 1	159.04	41.7	10.42	REMOVE/LOWER AS FUNDS ALLOW
597	TREE CLUSTER 1	159.24	45.8	7.38	REMOVE/LOWER AS FUNDS ALLOW
600	TREE	159.32	53.5	26.74	REMOVE/LOWER AS FUNDS ALLOW
606	TREE CLUSTER 1	159.50	42.8	5.69	REMOVE/LOWER AS FUNDS ALLOW
607	TREE CLUSTER 1	159.57	43.7	9.82	REMOVE/LOWER AS FUNDS ALLOW
617	TREE CLUSTER 1	159.97	46.8	12.68	REMOVE/LOWER AS FUNDS ALLOW
621	TREE CLUSTER 1	160.04	44.1	9.18	REMOVE/LOWER AS FUNDS ALLOW
623	TREE CLUSTER 1	160.10	44.6	8.85	REMOVE/LOWER AS FUNDS ALLOW
626	TREE CLUSTER 1	160.17	46.0	1.96	REMOVE/LOWER AS FUNDS ALLOW
629	TREE	160.22	47.9	2.08	REMOVE/LOWER AS FUNDS ALLOW
631	TREE CLUSTER 1	160.24	43.1	7.54	REMOVE/LOWER AS FUNDS ALLOW
635	TREE CLUSTER 1	160.37	42.7	10.06	REMOVE/LOWER AS FUNDS ALLOW
637	TREE CLUSTER 1	160.44	42.4	11.85	REMOVE/LOWER AS FUNDS ALLOW
639	TREE CLUSTER 1	160.53	46.7	11.96	REMOVE/LOWER AS FUNDS ALLOW
642	TREE CLUSTER 1	160.61	46.8	12.05	REMOVE/LOWER AS FUNDS ALLOW
644	TREE CLUSTER 1	160.64	47.3	1.19	REMOVE/LOWER AS FUNDS ALLOW
651	TREE CLUSTER 1	160.85	44.7	8.50	REMOVE/LOWER AS FUNDS ALLOW
652	TREE CLUSTER 1	160.91	44.6	8.44	REMOVE/LOWER AS FUNDS ALLOW
659	TREE CLUSTER 1	161.05	43.1	10.92	REMOVE/LOWER AS FUNDS ALLOW
668	TREE	161.37	50.7	0.41	REMOVE/LOWER AS FUNDS ALLOW
672	TREE CLUSTER 1	161.45	46.1	12.81	REMOVE/LOWER AS FUNDS ALLOW
673	TREE CLUSTER 1	161.52	45.3	10.36	REMOVE/LOWER AS FUNDS ALLOW
676	TREE CLUSTER 1	161.55	43.6	9.92	REMOVE/LOWER AS FUNDS ALLOW
677	TREE CLUSTER 1	161.68	44.6	8.63	REMOVE/LOWER AS FUNDS ALLOW
680	TREE CLUSTER 1	161.72	48.5	12.73	REMOVE/LOWER AS FUNDS ALLOW
681	TREE CLUSTER 1	161.72	43.9	11.86	REMOVE/LOWER AS FUNDS ALLOW
682	TREE CLUSTER 1	161.72	44.6	9.26	REMOVE/LOWER AS FUNDS ALLOW
685	TREE	161.79	48.4	11.68	REMOVE/LOWER AS FUNDS ALLOW
689	TREE CLUSTER 1	161.86	44.1	9.53	REMOVE/LOWER AS FUNDS ALLOW
695	TREE CLUSTER 1	161.99	45.5	11.46	REMOVE/LOWER AS FUNDS ALLOW
698	TREE CLUSTER 1	162.06	44.6	11.65	REMOVE/LOWER AS FUNDS ALLOW
706	TREE CLUSTER 1	162.33	45.1	7.81	REMOVE/LOWER AS FUNDS ALLOW
715	TREE CLUSTER 1	162.63	45.8	8.27	REMOVE/LOWER AS FUNDS ALLOW
725	TREE CLUSTER 1	162.90	48.9	3.64	REMOVE/LOWER AS FUNDS ALLOW
726	TREE	162.91	54.2	4.35	REMOVE/LOWER AS FUNDS ALLOW
748	TREE CLUSTER 1	163.50	48.3	7.97	REMOVE/LOWER AS FUNDS ALLOW
755	TREE	163.72	49.3	6.62	REMOVE/LOWER AS FUNDS ALLOW
760	TREE CLUSTER 1	163.80	51.5	16.24	REMOVE/LOWER AS FUNDS ALLOW
761	TREE	163.82	49.8	0.35	REMOVE/LOWER AS FUNDS ALLOW
768	TREE CLUSTER 1	164.01	47.2	11.41	REMOVE/LOWER AS FUNDS ALLOW
771	TREE CLUSTER 1	164.12	48.5	6.49	REMOVE/LOWER AS FUNDS ALLOW
772	TREE CLUSTER 1	164.15	46.9	12.78	REMOVE/LOWER AS FUNDS ALLOW
779	TREE CLUSTER 1	164.26	52.1	17.06	REMOVE/LOWER AS FUNDS ALLOW
784	TREE CLUSTER 1	164.40	46.9	12.86	REMOVE/LOWER AS FUNDS ALLOW
792	TREE CLUSTER 1	164.62	50.9	5.73	REMOVE/LOWER AS FUNDS ALLOW
802	TREE CLUSTER 1	164.82	49.2	14.77	REMOVE/LOWER AS FUNDS ALLOW
808	TREE CLUSTER 1	165.02	48.1	13.06	REMOVE/LOWER AS FUNDS ALLOW
812	TREE CLUSTER 1	165.09	49.7	7.50	REMOVE/LOWER AS FUNDS ALLOW
816	TREE CLUSTER 1	165.19	49.0	10.83	REMOVE/LOWER AS FUNDS ALLOW
822	TREE CLUSTER 1	165.25	49.4	14.86	REMOVE/LOWER AS FUNDS ALLOW
823	TREE	165.25	54.3	2.33	REMOVE/LOWER AS FUNDS ALLOW
825	TREE	165.34	53.5	0.09	REMOVE/LOWER AS FUNDS ALLOW
826	TREE CLUSTER 1	165.35	48.9	13.64	REMOVE/LOWER AS FUNDS ALLOW
832	TREE	165.48	51.6	3.65	REMOVE/LOWER AS FUNDS ALLOW
837	TREE	165.59	61.8	4.31	REMOVE/LOWER AS FUNDS ALLOW
838	TREE	165.59	55.5	7.88	REMOVE/LOWER AS FUNDS ALLOW
843	TREE	165.64	50.0	7.15	REMOVE/LOWER AS FUNDS ALLOW
852	TREE CLUSTER 1	165.90	50.4	16.52	REMOVE/LOWER AS FUNDS ALLOW
854	TREE	165.93	55.2	0.64	REMOVE/LOWER AS FUNDS ALLOW
855	TREE CLUSTER 1	165.97	48.0	15.80	REMOVE/LOWER AS FUNDS ALLOW
867	TREE CLUSTER 1	166.22	53.5	19.07	REMOVE/LOWER AS FUNDS ALLOW
885	TREE CLUSTER 1	166.37	50.2	10.19	REMOVE/LOWER AS FUNDS ALLOW
886	TREE CLUSTER 1	166.44	52.4	7.86	REMOVE/LOWER AS FUNDS ALLOW
902	TREE CLUSTER 1	166.70	51.2	16.24	REMOVE/LOWER AS FUNDS ALLOW
903	TREE CLUSTER 1	166.70	53.3	7.33	REMOVE/LOWER AS FUNDS ALLOW
904	TREE CLUSTER 1	166.71	48.7	17.51	REMOVE/LOWER AS FUNDS ALLOW
910	TREE CLUSTER 1	166.84	48.8	17.67	REMOVE/LOWER AS FUNDS ALLOW
936	TREE CLUSTER 1	167.38	53.2	8.94	REMOVE/LOWER AS FUNDS ALLOW
945	TREE	167.67	56.5	3.27	REMOVE/LOWER AS FUNDS ALLOW
985	TREE	169.07	50.7	0.23	REMOVE/LOWER AS FUNDS ALLOW
988	TREE CLUSTER 1	169.13	53.6	12.02	REMOVE/LOWER AS FUNDS ALLOW
1016	TREE	169.68	50.2	5.38	REMOVE/LOWER AS FUNDS ALLOW
1023	TREE	169.81	51.1	3.79	REMOVE/LOWER AS FUNDS ALLOW
1036	TREE	170.22	56.2	13.81	REMOVE/LOWER AS FUNDS ALLOW
1038	TREE CLUSTER 1	170.30	52.8	20.65	REMOVE/LOWER AS FUNDS ALLOW
1041	TREE	170.35	52.7	3.63	REMOVE/LOWER AS FUNDS ALLOW
1058	TREE	170.82	52.7	2.34	REMOVE/LOWER AS FUNDS ALLOW
1070	TREE CLUSTER 1	171.27	54.8	15.36	REMOVE/LOWER AS FUNDS ALLOW
1079	TREE	171.57	51.6	0.70	REMOVE/LOWER AS FUNDS ALLOW
1099	TREE CLUSTER 1	172.10	57.4	14.11	REMOVE/LOWER AS FUNDS ALLOW
1108	TREE	172.31	66.2	16.81	REMOVE/LOWER AS FUNDS ALLOW
1111	TREE CLUSTER 1	172.40	56.5	15.77	REMOVE/LOWER AS FUNDS ALLOW
1142	TREE	173.10	68.6	0.13	REMOVE/LOWER AS FUNDS ALLOW
1143	TREE	173.11	57.5	9.11	REMOVE/LOWER AS FUNDS ALLOW
1153	TREE	173.38	53.4	3.54	REMOVE/LOWER AS FUNDS ALLOW
1169	TREE	173.72	54.0	1.31	REMOVE/LOWER AS FUNDS ALLOW
1174	TREE	173.84	66.1	0.94	REMOVE/LOWER AS FUNDS ALLOW
1201	TREE	174.51	55.5	1.07	REMOVE/LOWER AS FUNDS ALLOW
1218	TREE	175.20	55.6	4.98	REMOVE/LOWER AS FUNDS ALLOW
1296	TREE	177.46	63.9	6.23	REMOVE/LOWER AS FUNDS ALLOW
1312	TREE	178.07	60.4	5.08	REMOVE/LOWER AS FUNDS ALLOW
1314	TREE	178.10	58.8	5.22	REMOVE/LOWER AS FUNDS ALLOW
1345	TREE	179.25	59.6	10.90	REMOVE/LOWER AS FUNDS ALLOW
1362	TREE	180.07	60.3	11.61	REMOVE/LOWER AS FUNDS ALLOW
1364	TREE	180.14	76.8	1.77	REMOVE/LOWER AS FUNDS ALLOW
1414	TREE	184.51	64.6	6.66	REMOVE/LOWER AS FUNDS ALLOW
1420	TREE	185.72	67.6	2.94	REMOVE/LOWER AS FUNDS ALLOW
2424	TREE	106.74	8.4	1.71	REMOVE/LOWER AS FUNDS ALLOW
2821	PRIMARY ROAD	111.55	13.4	10.72	NO ACTION (MOVEABLE OBJECT)
2890	PRIMARY ROAD	112.17	14.2	8.65	NO ACTION (MOVEABLE OBJECT)
2940	PRIMARY ROAD	112.67	13.7	7.49	NO ACTION (MOVEABLE OBJECT)
3047	PRIMARY ROAD	113.76	13.8	6.67	NO ACTION (MOVEABLE OBJECT)
3115	PRIMARY ROAD	114.45	13.8	5.70	NO ACTION (MOVEABLE OBJECT)
3123	PRIMARY ROAD	114.48	13.8	5.70	NO ACTION (MOVEABLE OBJECT)
3127	PRIMARY ROAD	114.51	13.8	5.70	NO ACTION (MOVEABLE OBJECT)
3136	PRIMARY ROAD	114.54	13.8	5.69	NO ACTION (MOVEABLE OBJECT)
3141	PRIMARY ROAD	114.57	13.8	5.69	NO ACTION (MOVEABLE OBJECT)
3148	PRIMARY ROAD	114.60	13.8	5.69	NO ACTION (MOVEABLE OBJECT)
3152	PRIMARY ROAD	114.63	13.8	5.68	NO ACTION (MOVEABLE OBJECT)
3155	PRIMARY ROAD	114.66	13.9	5.68	NO ACTION (MOVEABLE OBJECT)
3163	PRIMARY ROAD	114.69	13.9	5.67	NO ACTION (MOVEABLE OBJECT)
3165	PRIMARY ROAD	114.71	13.9	5.67	NO ACTION (MOVEABLE OBJECT)
3170	PRIMARY ROAD	114.74	13.9	5.67	NO ACTION (MOVEABLE OBJECT)
3172	PRIMARY ROAD	114.77	13.9	5.66	NO ACTION (MOVEABLE OBJECT)
3181	PRIMARY ROAD	114.80	13.9	5.66	NO ACTION (MOVEABLE OBJECT)
3183	PRIMARY ROAD	114.83	13.9	5.65	NO ACTION (MOVEABLE OBJECT)
3184	PRIMARY ROAD	114.85	13.9	5.64	NO ACTION (MOVEABLE OBJECT)

RUNWAY 33 L

RUNWAY 33L - EXISTING 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
3192	PRIMARY ROAD	114.87	13.9	5.62	NO ACTION (MOVEABLE OBJECT)
3194	PRIMARY ROAD	114.89	13.9	5.61	NO ACTION (MOVEABLE OBJECT)
3195	PRIMARY ROAD	114.91	13.9	5.59	NO ACTION (MOVEABLE OBJECT)
3196	PRIMARY ROAD	114.92	13.9	5.56	NO ACTION (MOVEABLE OBJECT)
3201	PRIMARY ROAD	114.93	13.9	5.54	NO ACTION (MOVEABLE OBJECT)
3202	PRIMARY ROAD	114.95	14.0	5.51	NO ACTION (MOVEABLE OBJECT)
3203	PRIMARY ROAD	114.96	14.0	5.48	NO ACTION (MOVEABLE OBJECT)
3207	PRIMARY ROAD	114.97	14.0	5.46	NO ACTION (MOVEABLE OBJECT)
3208	PRIMARY ROAD	114.98	14.0	5.43	NO ACTION (MOVEABLE OBJECT)
3209	PRIMARY ROAD	114.99	14.0	5.41	NO ACTION (MOVEABLE OBJECT)
3212	PRIMARY ROAD	115.01	14.0	5.39	NO ACTION (MOVEABLE OBJECT)
3215	PRIMARY ROAD	115.02	14.0	5.37	NO ACTION (MOVEABLE OBJECT)
3221	PRIMARY ROAD	115.04	14.0	5.35	NO ACTION (MOVEABLE OBJECT)
3222	PRIMARY ROAD	115.06	14.1	5.34	NO ACTION (MOVEABLE OBJECT)
3229	PRIMARY ROAD	115.07	14.1	5.32	NO ACTION (MOVEABLE OBJECT)
3231	PRIMARY ROAD	115.09	14.1	5.31	NO ACTION (MOVEABLE OBJECT)
3234	PRIMARY ROAD	115.11	14.1	5.30	NO ACTION (MOVEABLE OBJECT)
3235	PRIMARY ROAD	115.12	14.1	5.28	NO ACTION (MOVEABLE OBJECT)
3239	PRIMARY ROAD	115.13	14.1	5.26	NO ACTION (MOVEABLE OBJECT)
3241	PRIMARY ROAD	115.14	14.1	5.24	NO ACTION (MOVEABLE OBJECT)
3242	PRIMARY ROAD	115.14	14.1	5.21	NO ACTION (MOVEABLE OBJECT)
3400	TREE	116.03	17.0	7.66	REMOVE/LOWER AS FUNDS ALLOW
3468	PRIMARY ROAD	116.49	14.5	3.16	NO ACTION (MOVEABLE OBJECT)
3635	TREE	117.25	16.1	6.28	REMOVE/LOWER AS FUNDS ALLOW
3845	TREE	118.07	16.1	2.49	REMOVE/LOWER AS FUNDS ALLOW
4833	BUILDING	122.94	21.4	1.16	NO ACTION
5046	POLE	124.50	22.4	0.10	NO ACTION
5611	BUILDING	128.91	26.0	5.97	NO ACTION
5991	TANK	132.03	29.4	3.27	NO ACTION
6314	TELEPHONE PYLON/POLE	134.40	31.1	15.78	NO ACTION
6750	TELEPHONE PYLON/POLE	137.93	37.2	21.43	NO ACTION
6947	TREE CLUSTER 11	139.51	39.4	32.96	REMOVE/LOWER AS FUNDS ALLOW
7128	POLE	140.80	34.2	0.48	NO ACTION
7456	TREE	142.72	38.7	4.98	REMOVE/LOWER AS FUNDS ALLOW
7492	TREE CLUSTER 11	142.92	42.6	31.20	REMOVE/LOWER AS FUNDS ALLOW
7509	TREE CLUSTER 11	142.99	41.5	28.69	REMOVE/LOWER AS FUNDS ALLOW
7520	TREE CLUSTER 11	143.06	43.9	31.08	REMOVE/LOWER AS FUNDS ALLOW
7595	POLE	143.48	38.6	4.14	NO ACTION
7689	TREE	143.98	33.0	2.48	REMOVE/LOWER AS FUNDS ALLOW
7728	POLE	144.20	37.2	6.80	NO ACTION
7816	TREE	144.72	34.1	2.61	REMOVE/LOWER AS FUNDS ALLOW
7833	TREE CLUSTER 11	144.82	44.2	32.34	REMOVE/LOWER AS FUNDS ALLOW
7849	POLE	144.91	38.9	5.73	NO ACTION
7897	TREE CLUSTER 11	145.23	43.2	29.21	REMOVE/LOWER AS FUNDS ALLOW
7918	POLE	145.38	39.4	10.32	NO ACTION
7940	POLE	145.55	38.6	8.14	NO ACTION
7944	POLE	145.59	39.7	11.86	NO ACTION
7969	POLE	145.76	40.5	1.36	NO ACTION
8001	POLE	145.93	38.9	8.00	NO ACTION
8012	TREE CLUSTER 11	145.97	44.2	31.04	REMOVE/LOWER AS FUNDS ALLOW
8037	POLE	146.16	41.2	3.64	NO ACTION
8042	POLE	146.20	40.2	2.70	NO ACTION
8046	TREE	146.22	41.5	8.00	REMOVE/LOWER AS FUNDS ALLOW
8100	POLE	146.57	38.8	3.42	NO ACTION
8144	TREE CLUSTER 11	146.79	46.6	32.89	REMOVE/LOWER AS FUNDS ALLOW
8156	TREE	146.89	37.6	5.69	REMOVE/LOWER AS FUNDS ALLOW
8167	POLE	146.94	40.3	0.22	NO ACTION
8171	TREE CLUSTER 11	146.98	44.8	26.78	REMOVE/LOWER AS FUNDS ALLOW
8172	TREE CLUSTER 11	146.98	44.7	28.37	REMOVE/LOWER AS FUNDS ALLOW
8173	TREE	146.98	37.7	5.78	REMOVE/LOWER AS FUNDS ALLOW
8193	POLE	147.11	39.3	7.05	NO ACTION
8226	TREE CLUSTER 11	147.40	45.8	31.41	REMOVE/LOWER AS FUNDS ALLOW
8238	TREE CLUSTER 11	147.53	46.4	31.40	REMOVE/LOWER AS FUNDS ALLOW
8239	TREE CLUSTER 11	147.53	46.0	29.38	REMOVE/LOWER AS FUNDS ALLOW
8257	TREE CLUSTER 11	147.67	46.1	30.94	REMOVE/LOWER AS FUNDS ALLOW
8273	TREE	147.78	45.0	14.98	REMOVE/LOWER AS FUNDS ALLOW
8282	TREE CLUSTER 1	147.84	30.1	0.20	REMOVE/LOWER AS FUNDS ALLOW
8287	TREE CLUSTER 11	147.87	45.5	28.56	REMOVE/LOWER AS FUNDS ALLOW
8296	TREE CLUSTER 11	147.94	45.1	27.56	REMOVE/LOWER AS FUNDS ALLOW
8300	TREE CLUSTER 11	148.01	48.9	32.97	REMOVE/LOWER AS FUNDS ALLOW
8318	TREE CLUSTER 11	148.14	44.7	25.46	REMOVE/LOWER AS FUNDS ALLOW
8326	TREE	148.25	35.3	4.24	REMOVE/LOWER AS FUNDS ALLOW
8329	TREE CLUSTER 11	148.28	46.0	29.43	REMOVE/LOWER AS FUNDS ALLOW
8376	TREE CLUSTER 11	148.62	48.5	36.29	REMOVE/LOWER AS FUNDS ALLOW
8384	TREE CLUSTER 11	148.69	46.9	29.16	REMOVE/LOWER AS FUNDS ALLOW
8385	TREE CLUSTER 11	148.69	45.2	25.73	REMOVE/LOWER AS FUNDS ALLOW
8402	TREE	148.84	48.7	5.42	REMOVE/LOWER AS FUNDS ALLOW
8419	TREE CLUSTER 11	148.96	48.2	35.14	REMOVE/LOWER AS FUNDS ALLOW
8429	TREE CLUSTER 11	149.03	47.8	31.46	REMOVE/LOWER AS FUNDS ALLOW
8430	TREE CLUSTER 11	149.03	45.3	24.70	REMOVE/LOWER AS FUNDS ALLOW
8438	TREE CLUSTER 11	149.09	46.4	29.31	REMOVE/LOWER AS FUNDS ALLOW
8439	TREE CLUSTER 11	149.09	46.2	27.93	REMOVE/LOWER AS FUNDS ALLOW
8440	TREE CLUSTER 11	149.09	47.9	29.55	REMOVE/LOWER AS FUNDS ALLOW
8457	TREE CLUSTER 11	149.23	47.1	31.34	REMOVE/LOWER AS FUNDS ALLOW
8466	TREE CLUSTER 11	149.28	45.5	25.12	REMOVE/LOWER AS FUNDS ALLOW
8470	TREE CLUSTER 11	149.30	48.3	26.20	REMOVE/LOWER AS FUNDS ALLOW
8471	TREE CLUSTER 11	149.30	46.1	26.06	REMOVE/LOWER AS FUNDS ALLOW
8473	TREE CLUSTER 11	149.30	45.9	25.96	REMOVE/LOWER AS FUNDS ALLOW
8476	TREE CLUSTER 1	149.32	31.3	0.02	REMOVE/LOWER AS FUNDS ALLOW
8478	TREE CLUSTER 1	149.34	32.9	1.21	REMOVE/LOWER AS FUNDS ALLOW
8484	TREE	149.39	35.6	3.40	REMOVE/LOWER AS FUNDS ALLOW
8494	TREE CLUSTER 11	149.50	48.5	32.71	REMOVE/LOWER AS FUNDS ALLOW
8502	TREE CLUSTER 11	149.57	47.8	34.33	REMOVE/LOWER AS FUNDS ALLOW
8511	TREE CLUSTER 11	149.64	48.0	35.14	REMOVE/LOWER AS FUNDS ALLOW
8513	TREE CLUSTER 11	149.64	50.0	30.48	REMOVE/LOWER AS FUNDS ALLOW
8515	TREE CLUSTER 1	149.66	37.0	1.52	REMOVE/LOWER AS FUNDS ALLOW
8522	TREE CLUSTER 11	149.70	47.1	29.89	REMOVE/LOWER AS FUNDS ALLOW
8540	TREE CLUSTER 1	149.86	31.9	0.29	REMOVE/LOWER AS FUNDS ALLOW
8546	TREE CLUSTER 11	149.91	50.8	31.59	REMOVE/LOWER AS FUNDS ALLOW
8551	TREE CLUSTER 11	149.98	46.9	28.78	REMOVE/LOWER AS FUNDS ALLOW
8566	TREE CLUSTER 1	150.06	37.2	1.05	REMOVE/LOWER AS FUNDS ALLOW
8578	TREE CLUSTER 11	150.18	49.8	33.49	REMOVE/LOWER AS FUNDS ALLOW
8587	TREE CLUSTER 11	150.25	50.3	34.15	REMOVE/LOWER AS FUNDS ALLOW
8597	TREE CLUSTER 11	150.31	48.1	32.00	REMOVE/LOWER AS FUNDS ALLOW
8598	TREE CLUSTER 11	150.31	51.2	33.17	REMOVE/LOWER AS FUNDS ALLOW
8602	TREE CLUSTER 1	150.33	38.1	0.92	REMOVE/LOWER AS FUNDS ALLOW
8603	TREE CLUSTER 1	150.33	37.1	2.07	REMOVE/LOWER AS FUNDS ALLOW
8605	TREE CLUSTER 11	150.37	47.0	26.35	REMOVE/LOWER AS FUNDS ALLOW
8619	TREE CLUSTER 11	150.45	49.8	36.12	REMOVE/LOWER AS FUNDS ALLOW
8645	TREE CLUSTER 11	150.72	47.2	27.52	REMOVE/LOWER AS FUNDS ALLOW
8648	TREE CLUSTER 1	150.74	33.6	1.99	REMOVE/LOWER AS FUNDS ALLOW
8671	TREE CLUSTER 11	150.91	52.4	34.32	REMOVE/LOWER AS FUNDS ALLOW
8672	TREE CLUSTER 11	150.91	48.1	29.80	REMOVE/LOWER AS FUNDS ALLOW
8680	TREE CLUSTER 11	150.99	50.0	32.83	REMOVE/LOWER AS FUNDS ALLOW
8685	TREE CLUSTER 11	151.06	48.8	31.91	REMOVE/LOWER AS FUNDS ALLOW
8687	TREE CLUSTER 11	151.06	45.4	24.04	REMOVE/LOWER AS FUNDS ALLOW
8694	TREE CLUSTER 11	151.13	50.5	31.14	REMOVE/LOWER AS FUNDS ALLOW
8695	TREE CLUSTER 11	151.13	47.5	26.95	REMOVE/LOWER AS FUNDS ALLOW
8698	TREE CLUSTER 11	151.20	48.3	30.56	REMOVE/LOWER AS FUNDS ALLOW
8699	TREE CLUSTER 11	151.20	45.8	24.91	REMOVE/LOWER AS FUNDS ALLOW
8701	TREE CLUSTER 1	151.21	37.1	3.92	REMOVE/LOWER AS FUNDS ALLOW
8703	TREE CLUSTER 1	151.23	34.3	2.93	REMOVE/LOWER AS FUNDS ALLOW
8704	TREE CLUSTER 1	151.24	35.7	4.11	REMOVE/LOWER AS FUNDS ALLOW
8709	TREE CLUSTER 11	151.26	50.3	32.62	REMOVE/LOWER AS FUNDS ALLOW
8715	TREE CLUSTER 11	151.32	48.6	30.46	REMOVE/LOWER AS FUNDS ALLOW
8718	TREE CLUSTER 11	151.33	47.9	28.37	REMOVE/LOWER AS FUNDS ALLOW
8723	TREE CLUSTER 1	151.35	34.7	4.60	REMOVE/LOWER AS FUNDS ALLOW

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 33R & 15R-33L RUNWAY DEPARTURE OBSTRUCTION DATA TABLE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

L&B JKL

SCALE	CONTR. NO.
AS SHOWN	
DATE	SHEET
MARCH 2016	18 of 23

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Ltscale: 1 Saved On: February 19, 2016 Plotted: 2/29/2016 3:04 PM

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RUNWAY 15R - FUTURE 40:1 DEPARTURE SURFACE OBSTRUCTION ANALYSIS SUMMARY

OBJECT ID	OBJECT	ELEV. (MSL)	ELEV. (AGL)	PENETRATION (FT)	ACTION
2746	TREE	111.0	32.0	32.1	REMOVE/LOWER AS FUNDS ALLOW
2816	TREE	111.5	32.5	32.1	REMOVE/LOWER AS FUNDS ALLOW
2839	TREE	111.8	32.8	31.5	REMOVE/LOWER AS FUNDS ALLOW
2857	TREE	111.9	32.9	32.2	REMOVE/LOWER AS FUNDS ALLOW
2905	POLE	112.3	33.3	8.1	NO ACTION
2911	TREE	112.4	33.4	32.2	REMOVE/LOWER AS FUNDS ALLOW
2925	TREE	112.6	33.6	34.1	REMOVE/LOWER AS FUNDS ALLOW
2927	TREE	112.6	33.6	32.6	REMOVE/LOWER AS FUNDS ALLOW
3025	TREE	113.6	34.6	34.7	REMOVE/LOWER AS FUNDS ALLOW
3057	TREE	113.9	34.9	32.3	REMOVE/LOWER AS FUNDS ALLOW
3070	TREE	114.0	39.4	30.9	REMOVE/LOWER AS FUNDS ALLOW
3287	TREE	115.5	40.8	29.6	REMOVE/LOWER AS FUNDS ALLOW
3440	TREE	116.3	40.8	29.4	REMOVE/LOWER AS FUNDS ALLOW
3493	TREE	116.7	37.7	32.8	REMOVE/LOWER AS FUNDS ALLOW
3521	TREE	116.8	38.0	19.5	REMOVE/LOWER AS FUNDS ALLOW
3691	TREE	117.5	38.9	19.6	REMOVE/LOWER AS FUNDS ALLOW
3733	TREE	117.7	40.1	29.2	REMOVE/LOWER AS FUNDS ALLOW
3870	TREE	118.2	39.8	20.2	REMOVE/LOWER AS FUNDS ALLOW
4321	TREE	120.1	41.8	22.0	REMOVE/LOWER AS FUNDS ALLOW
4469	TREE	120.8	43.3	17.2	REMOVE/LOWER AS FUNDS ALLOW
4602	TREE	121.6	44.0	22.8	REMOVE/LOWER AS FUNDS ALLOW
4787	TREE	122.7	45.8	26.7	REMOVE/LOWER AS FUNDS ALLOW
4846	TREE	123.0	46.0	28.5	REMOVE/LOWER AS FUNDS ALLOW
4954	TREE	123.8	46.9	26.8	REMOVE/LOWER AS FUNDS ALLOW
4970	TREE	123.9	49.1	24.7	REMOVE/LOWER AS FUNDS ALLOW
5052	TREE	124.5	49.6	26.7	REMOVE/LOWER AS FUNDS ALLOW
5149	TREE	125.2	49.4	27.5	REMOVE/LOWER AS FUNDS ALLOW
5188	TELEPHONE PYLON/POLE	125.6	52.1	7.9	NO ACTION
5235	TREE	125.9	48.9	24.2	REMOVE/LOWER AS FUNDS ALLOW
5335	TREE	126.7	50.8	25.6	REMOVE/LOWER AS FUNDS ALLOW
5336	TREE	126.7	49.7	24.9	REMOVE/LOWER AS FUNDS ALLOW
5352	TREE	126.8	48.8	23.1	REMOVE/LOWER AS FUNDS ALLOW
5446	TREE	127.6	46.4	48.7	REMOVE/LOWER AS FUNDS ALLOW
5483	TREE	127.9	53.0	23.6	REMOVE/LOWER AS FUNDS ALLOW
5795	TREE	130.4	56.4	21.8	REMOVE/LOWER AS FUNDS ALLOW
5813	TREE	130.5	56.5	22.3	REMOVE/LOWER AS FUNDS ALLOW
8032	TREE	146.1	68.1	4.8	REMOVE/LOWER AS FUNDS ALLOW
8048	TREE	146.2	70.6	7.2	REMOVE/LOWER AS FUNDS ALLOW
8497	TREE	149.5	74.1	10.4	REMOVE/LOWER AS FUNDS ALLOW

NOTE:

1. ALL OBJECTS/OBSTRUCTIONS EVALUATED FROM OCTOBER 2013 SURVEY.
2. RAIL AND ROADWAY OBJECTS ARE NOT OBSTRUCTIONS THUS DO NOT APPEAR IN THE OBSTRUCTION SUMMARY TABLE.
3. RAIL AND ROADWAY ELEVATIONS OBTAINED FROM GOOGLE EARTH FEBRUARY 2014 AND INCLUDE MOVABLE OBJECT HEIGHTS (23' FOR RAILWAYS, 17' FOR INTERSTATE HIGHWAYS, 15' FOR OTHER PUBLIC ROADS, OR 10' FOR PRIVATE ROADS).

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: RUNWAY 15R-33L RUNWAY DEPARTURE OBSTRUCTION DATA TABLE

DESIGNED L&B | DRAWN JKL | CHECKED L&B | APPROVED ISP

L&B JKL

SCALE AS SHOWN | CONTR. NO.

DATE MARCH 2016 | SHEET 19 of 23

Y:\LIMA\Master Plan\E-L&B Work Product\1-CAD\ALP\ALP_E-TRANSMIT_10-21-2015\ISP-Sheet 17-19.dwg
Ltscale: 1 Saved On: February 19, 2016 Plotted: 2/29/2016 3:04 PM

TREE REMOVAL SUMMARY - PROJECT 212021

OBJECT ID	EASTING	NORTHING	ASSOCIATE RUNWAY END
3	1231178.29	233759.65	RUNWAY 15L
7	1230943.54	233930.86	RUNWAY 15L
9	1230063.57	233703.92	RUNWAY 15R
18	1230967.92	233898.34	RUNWAY 15L
38	1231127.29	233822.14	RUNWAY 15L
46	1231046.86	233879.91	RUNWAY 15L
77	1231039.26	233861.39	RUNWAY 15L
90	1230036.47	233745.37	RUNWAY 15R
106	1231076.43	233816.52	RUNWAY 15L
133	1231255.69	233702.69	RUNWAY 15L
135	1231252.41	233684.96	RUNWAY 15L
135	1231252.41	233684.96	RUNWAY 15L
147	1230957.75	233922.35	RUNWAY 15L
157	1231127.22	233794.96	RUNWAY 15L
195	1231091.83	233789.95	RUNWAY 15L
212	1231326.89	233552.38	RUNWAY 15L
226	1230989.47	233946.25	RUNWAY 15L
244	1230113.28	233715.22	RUNWAY 15R
270	1230958.31	233968.41	RUNWAY 15L
298	1230994.17	233911.07	RUNWAY 15L
314	1230011.55	233764.06	RUNWAY 15R
319	1230023.57	234107.42	RUNWAY 15R
352	1230098.62	233668.46	RUNWAY 15R
355	1230068.69	234046.16	RUNWAY 15R
467	1230053.88	234029.52	RUNWAY 15R
494	1230040.33	234062.73	RUNWAY 15R
1724	1232803.24	232110.23	RUNWAY 15L
1793	1236016.32	228432.16	RUNWAY 33L
1830	1236031.41	228430.32	RUNWAY 33L
2018	1236078.52	228490.43	RUNWAY 33L
2124	1236007.83	228447.48	RUNWAY 33L
2169	1236016.26	228447.23	RUNWAY 33L
2172	1237117.19	228753.88	RUNWAY 33R
2184	1236034.38	228447.15	RUNWAY 33L
2185	1236081.35	228484.05	RUNWAY 33L
2410	1236681.33	228606.86	RUNWAY 33R
2420	1236741.11	228558.16	RUNWAY 33R
2436	1236065.19	228480.07	RUNWAY 33L
2450	1237079.48	228874.29	RUNWAY 33R
2451	1236036.84	228459.06	RUNWAY 33L
2462	1236734.37	228573.31	RUNWAY 33R
2496	1237126.06	228849.52	RUNWAY 33R
2524	1233275.80	232208.73	RUNWAY 15L
2556	1237058.59	228890.00	RUNWAY 33R
2560	1233309.72	232216.32	RUNWAY 15L
2567	1233275.39	232174.52	RUNWAY 15L
2593	1236761.68	228491.90	RUNWAY 33R
2621	1236715.19	228607.76	RUNWAY 33R
2627	1236048.91	228457.71	RUNWAY 33L
2634	1233294.44	232190.50	RUNWAY 15L
2636	1233240.12	232137.51	RUNWAY 15L
2642	1233182.41	232325.69	RUNWAY 15L
2646	1236621.33	228646.82	RUNWAY 33R
2655	1236719.71	228593.59	RUNWAY 33R
2660	1236728.62	228542.98	RUNWAY 33R
2665	1236555.66	228720.36	RUNWAY 33R
2668	1236068.50	228464.42	RUNWAY 33L
2674	1233075.79	232271.29	RUNWAY 15L
2675	1233307.13	232204.49	RUNWAY 15L
2714	1233230.89	232152.57	RUNWAY 15L
2739	1236607.89	228659.15	RUNWAY 33R
2743	1233255.04	232218.06	RUNWAY 15L
2753	1233262.57	232160.80	RUNWAY 15L
2758	1236570.27	228718.36	RUNWAY 33R
2759	1237099.54	228854.62	RUNWAY 33R
2767	1236659.73	228611.13	RUNWAY 33R
2769	1237097.52	228886.10	RUNWAY 33R
2778	1236635.14	228619.08	RUNWAY 33R
2794	1233244.39	232243.19	RUNWAY 15L
2812	1233296.24	232260.32	RUNWAY 15L
2819	1233261.21	232254.82	RUNWAY 15L
2836	1233371.41	232270.36	RUNWAY 15L
2844	1236865.47	228539.42	RUNWAY 33R
2853	1236701.51	228580.03	RUNWAY 33R
2871	1233254.81	232189.44	RUNWAY 15L
2875	1236677.45	228621.99	RUNWAY 33R
2877	1237033.23	228850.42	RUNWAY 33R
2881	1233266.83	232200.44	RUNWAY 15L
2893	1233258.76	232172.32	RUNWAY 15L
2902	1236883.36	228502.11	RUNWAY 33R
2912	1236794.30	228497.26	RUNWAY 33R
2919	1233315.38	232240.13	RUNWAY 15L
2924	1236806.49	228514.35	RUNWAY 33R
2933	1236770.96	228476.42	RUNWAY 33R
2935	1237104.48	228779.87	RUNWAY 33R
2941	1236705.35	228534.54	RUNWAY 33R
2954	1233151.23	232508.36	RUNWAY 15L
2961	1233100.56	232266.27	RUNWAY 15L
2969	1233220.20	232286.74	RUNWAY 15L
2970	1233261.42	232271.60	RUNWAY 15L
2971	1233171.64	232364.73	RUNWAY 15L
2972	1233244.79	232211.37	RUNWAY 15L
2979	1236788.80	228481.72	RUNWAY 33R
2988	1236821.53	228428.73	RUNWAY 33R
2989	1236798.33	228430.15	RUNWAY 33R
2998	1233109.51	232204.37	RUNWAY 15L
3011	1236651.14	228685.74	RUNWAY 33R
3016	1236952.04	228940.83	RUNWAY 33R
3033	1236640.35	228637.49	RUNWAY 33R
3034	1236542.74	228713.61	RUNWAY 33R
3035	1236970.47	228932.53	RUNWAY 33R
3049	1236605.73	228644.06	RUNWAY 33R
3052	1233198.68	232185.91	RUNWAY 15L
3056	1236641.24	228703.13	RUNWAY 33R
3068	1233240.93	232262.38	RUNWAY 15L
3080	1236598.41	228717.71	RUNWAY 33R
3097	1236660.60	228623.05	RUNWAY 33R
3114	1233063.28	232258.53	RUNWAY 15L
3118	1236836.38	228540.71	RUNWAY 33R
3125	1233120.28	232225.92	RUNWAY 15L
3126	1233190.73	232203.20	RUNWAY 15L
3137	1233284.17	232227.90	RUNWAY 15L
3138	1233242.91	232162.61	RUNWAY 15L
3139	1233222.36	232255.40	RUNWAY 15L
3144	1236567.28	228697.72	RUNWAY 33R
3145	1236665.86	228675.00	RUNWAY 33R
3151	1233123.86	232373.33	RUNWAY 15L
3166	1236811.76	228493.02	RUNWAY 33R
3167	1237118.32	228858.31	RUNWAY 33R
3168	1237094.10	228797.42	RUNWAY 33R
3187	1237001.46	228880.35	RUNWAY 33R
3205	1233201.07	232304.70	RUNWAY 15L
3206	1233226.00	232178.96	RUNWAY 15L
3218	1233074.37	232341.32	RUNWAY 15L
3219	1233127.17	232415.53	RUNWAY 15L
3233	1233288.85	232367.78	RUNWAY 15L
3243	1233138.50	232346.43	RUNWAY 15L
3246	1237177.43	228802.62	RUNWAY 33R
3253	1233256.12	232385.30	RUNWAY 15L
3260	1236695.42	228623.63	RUNWAY 33R
3265	1233218.49	232117.58	RUNWAY 15L
3273	1233056.34	232294.04	RUNWAY 15L
3274	1233300.47	232225.93	RUNWAY 15L
3275	1233204.97	232453.06	RUNWAY 15L
3286	1233273.48	232238.32	RUNWAY 15L
3291	1236906.19	228518.34	RUNWAY 33R
3297	1233428.93	232374.77	RUNWAY 15L
3309	1233229.19	232358.83	RUNWAY 15L
3310	1233105.78	232430.62	RUNWAY 15L
3322	1233154.82	232227.11	RUNWAY 15L
3327	1236616.82	228713.78	RUNWAY 33R
3328	1236847.54	228493.91	RUNWAY 33R
3329	1237112.22	228848.81	RUNWAY 33R
3333	1233164.08	232470.44	RUNWAY 15L
3337	1237057.71	228826.26	RUNWAY 33R
3355	1233217.93	232272.36	RUNWAY 15L
3356	1233202.11	232277.35	RUNWAY 15L
3357	1233491.00	232388.68	RUNWAY 15L
3358	1233178.62	232218.58	RUNWAY 15L
3369	1233031.60	232372.77	RUNWAY 15L
3370	1233472.89	232372.90	RUNWAY 15L
3375	1236636.14	228651.02	RUNWAY 33R
3376	1237130.64	228819.61	RUNWAY 33R
3387	1233051.31	232326.35	RUNWAY 15L
3388	1233165.44	232379.30	RUNWAY 15L
3403	1233256.38	232362.91	RUNWAY 15L
3404	1233181.95	232455.68	RUNWAY 15L
3409	1236594.97	228701.99	RUNWAY 33R
3410	1237139.73	228849.12	RUNWAY 33R
3417	1233345.13	232308.00	RUNWAY 15L
3418	1233229.30	232402.31	RUNWAY 15L
3423	1236698.98	228608.82	RUNWAY 33R
3424	1236682.73	228653.12	RUNWAY 33R
3430	1233167.33	232491.21	RUNWAY 15L
3439	1233442.74	232338.44	RUNWAY 15L
3451	1233076.04	232306.62	RUNWAY 15L
3452	1233276.81	232287.23	RUNWAY 15L
3453	1233214.49	232241.51	RUNWAY 15L
3463	1233321.68	232329.33	RUNWAY 15L
3471	1233146.89	232376.47	RUNWAY 15L
3472	1233050.98	232506.23	RUNWAY 15L
3481	1233111.30	232522.54	RUNWAY 15L
3489	1233212.55	232172.28	RUNWAY 15L
3490	1233188.75	232364.21	RUNWAY 15L
3502	1233036.24	232309.76	RUNWAY 15L
3503	1233258.93	232298.79	RUNWAY 15L
3504	1233173.73	232244.33	RUNWAY 15L
3512	1232950.34	232420.15	RUNWAY 15L
3524	1236583.56	228683.15	RUNWAY 33R
3525	1236581.91	228673.62	RUNWAY 33R
3538	1233382.02	232289.52	RUNWAY 15L
3554	1233018.62	232287.60	RUNWAY 15L
3558	1233077.26	232468.90	RUNWAY 15L
3559	1233422.06	232316.59	RUNWAY 15L
3568	1236765.65	228541.32	RUNWAY 33R
3569	1237165.84	228780.12	RUNWAY 33R
3581	1233101.73	232227.25	RUNWAY 15L
3582	1233242.76	232290.68	RUNWAY 15L
3583	1233170.60	232393.35	RUNWAY 15L
3584	1233107.52	232544.29	RUNWAY 15L
3592	1233012.98	232406.56	RUNWAY 15L
3593	1233344.32	232242.45	RUNWAY 15L
3594	1233290.52	232394.96	RUNWAY 15L
3595	1233131.48	232536.23	RUNWAY 15L
3610	1237121.66	228807.26	RUNWAY 33R
3619	1233040.42	232442.14	RUNWAY 15L
3627	1236648.22	228600.40	RUNWAY 33R
3629	1237129.27	228779.40	RUNWAY 33R
3637	1233188.87	232288.74	RUNWAY 15L
3638	1233005.56	232379.07	RUNWAY 15L
3639	1233184.08	232474.06	RUNWAY 15L
3643	1236839.57	228516.69	RUNWAY 33R
3653	1233130.91	232134.76	RUNWAY 15L
3654	1232948.53	232400.17	RUNWAY 15L
3655	1233217.38	232428.41	RUNWAY 15L
3656	1233143.32	232480.40	RUNWAY 15L
3660	1236842.02	228476.77	RUNWAY 33R
3667	1233045.19	232248.50	RUNWAY 15L
3668	1232986.89	232392.71	RUNWAY 15L
3669	1233126.63	232393.95	RUNWAY 15L
3681	1233197.50	232101.81	RUNWAY 15L
3682	1233330.41	232241.37	RUNWAY 15L
3688	1236651.60	228632.17	RUNWAY 33R
3689	1237065.77	228818.42	RUNWAY 33R
3690	1237076.71	228814.06	RUNWAY 33R
3699	1236641.14	228662.60	RUNWAY 33R
3711	1233209.93	232207.94	RUNWAY 15L
3721	1233224.52	232471.24	RUNWAY 15L
3725	1236871.80	228485.33	RUNWAY 33R
3726	1237116.63	228790.60	RUNWAY 33R
3727	1237139.31	228808.58	RUNWAY 33R
3738	1233282.26	232415.77	RUNWAY 15L
3745	1237067.09	228876.28	RUNWAY 33R
3756	1233105.23	232463.55	RUNWAY 15L
3759	1237113.33	228872.33	RUNWAY 33R
3765	1232996.36	232351.81	RUNWAY 15L
3779	1233009.36	232304.40	RUNWAY 15L
3780	1233021.10	232329.47	RUNWAY 15L
3781	1232973.44	232323.52	RUNWAY 15L
3783	1233337.30	232494.77	RUNWAY 15L
3789	1237064.54	228849.75	RUNWAY 33R
3803	1233129.10	232173.78	RUNWAY 15L
3804	1233066.78	232434.24	RUNWAY 15L
3805	1233101.00	232561.10	RUNWAY 15L
3806	1233075.56	232553.65	RUNWAY 15L
3828	1233043.16	232265.94	RUNWAY 15L
3829	1233195.74	232163.21	RUNWAY 15L
3848	1233261.29	232345.47	RUNWAY 15L
3851	1236594.59	228667.82	RUNWAY 33R
3868	1232962.77	232402.85	RUNWAY 15L
3880	1233201.10	232254.97	RUNWAY 15L
3881	1233400.92	232303.22	RUNWAY 15L
3882	1233193.88	232432.47	RUNWAY 15L
3888	1237101.43	228826.15	RUNWAY 33R
3899	1232989.69	232302.05	RUNWAY 15L
3900	1232994.13	232411.72	RUNWAY 15L
3901	1233302.98	232331.13	RUNWAY 15L
3902	1233383.51	232434.85	RUNWAY 15L
3903	1233200.59	232367.37	RUNWAY 15L
3904	1233265.91	232402.06	RUNWAY 15L
3913	1233204.33	232124.30	RUNWAY 15L
3914	1233225.93	232202.81	RUNWAY 15L
3916	1233068.01	232232.30	RUNWAY 15L
3917	1233321.51	232262.49	RUNWAY 15L
3918	1233227.48	232439.41	RUNWAY 15L
3924	1237023.25	228881.32	RUNWAY 33R
3938	1233228.14	232323.65	RUNWAY 15L
3939	1233249.08	232324.40	RUNWAY 15L
3946	1236977.31	228908.00	RUNWAY 33R
3947	1237050.32	228863.19	RUNWAY 33R
3960	1233106.74	232491.53	RUNWAY 15L
3980	1233043.11	232494.57	RUNWAY 15L
3996	1233207.23	232154.23	RUNWAY 15L
4003	1236811.76	228441.83	RUNWAY 33R
4004	1237117.53	228833.84	RUNWAY 33R
4018	1233144.06	232149.76	RUNWAY 15L
4019	1233112.81	232182.45	RUNWAY 15L
4020	1233124.91	232469.74	RUNWAY 15L
4025	1236681.69	228638.82	RUNWAY 33R
4031	1233089.39	232520.84	RUNWAY 15L
4047	1233023.94	232256.39	RUNWAY 15L
4048	1233219.58	232229.34	RUNWAY 15L
4068	1237054.09	228881.13	RUNWAY 33R
4077	1233113.84	232149.67	RUNWAY 15L
4079	1233098.04	232590.36	RUNWAY 15L
4080	1233273.38	232322.42	RUNWAY 15L
4081	1233309.75	232351.26	RUNWAY 15L
4087	1236760.06	228462.18	RUNWAY 33R
4125	1233095.35	232417.37	RUNWAY 15L
4126	1233312.12	232278.35	RUNWAY 15L
4127	1233338.05	232350.07	RUNWAY 15L
4128	1233178.98	232421.15	RUNWAY 15L
4129	1233117.18	232570.49	RUNWAY 15L
4130	1233191.42	232224.94	RUNWAY 15L
4133	1236690.93	228591.38	RUNWAY 33R
4144	1233281.03	232306.75	RUNWAY 15L
4156	1237079.31	228828.59	RUNWAY 33R
4161	1233447.60	232361.46	RUNWAY 15L
4179	1233175.64	232178.93	RUNWAY 15L
4180	1233216.15	232325.44	RUNWAY 15L
4181	1233318.15	232508.57	RUNWAY 15L
4186	1237197.98	228809.01	RUNWAY 33R
4204	1232998.02	232430.26	RUNWAY 15L
4208	1233204.39	232414.21	RUNWAY 15L
4218	1232982.75	232338.52	RUNWAY 15L
4219	1233193.27	232502.66	RUNWAY 15L
4220	1233279.42	232433.04	RUNWAY 15L
4223	1237002.25	228929.47	RUNWAY 33R
4224	1237022.55	228896.75	RUNWAY 33R
4233	1233120.06	232448.01	RUNWAY 15L
4234	1233360.89	232282.86	RUNWAY 15L
4237	1236600.72	228681.13	RUNWAY 33R
4247	1230327.12	233603.38	RUNWAY 15R
4249	1233016.74	232436.44	RUNWAY 15L
4251	1233171.86	232201.01	RUNWAY 15L
4259	1236802.88	228527.49	RUNWAY 33R
4270	1232952.10	232356.51	RUNWAY 15L
4271	1233327.02	232291.90	RUNWAY 15L
4274	1236555.33	228693.18	RUNWAY 33R
4283	1233116.01	232305.24	RUNWAY 15L
4284	1233032.94	232516.35	RUNWAY 15L
4288	1236721.37	228579.43	RUNWAY 33R
4298	1233127.91	232194.43	RUNWAY 15L
4307	1233088.48	232487.79	RUNWAY 15L
4309	1236899.29	228536.51	RUNWAY 33R
4310	1233368.19	232321.05	RUNWAY 15L
4311	1233247.38	232469.74	RUNWAY 15L
4312	1233196.88	232232.28	RUNWAY 15L
4313	1233048.88	232129.06	RUNWAY 15L
4314	1232984.92	232373.85	RUNWAY 15L
4315	1233025.42	232391.49	RUNWAY 15L
4318	1237079.97	228851.72	RUNWAY 33R
4319	1237145.92	228796.78	RUNWAY 33R
4329	1233325.62	232471.62	RUNWAY 15L
4331	1233133.77	232313.03	RUNWAY 15L
4332	1233099.15	232339.50	RUNWAY 15L
4333	1233222.11	232341.26	RUNWAY 15L
4334	1233261.55	232445.88	RUNWAY 15L
4336	1236667.85	228663.38	RUNWAY 33R
4346	1233152.01	232315.86	RUNWAY 15L
4347	1232987.40	232405.66	RUNWAY 15L
4348	1233137.18	232453.88	RUNWAY 15L
4349	1233114.81	232582.17	RUNWAY 15L
4359	1233060.36	232486.22	RUNWAY 15L
4370	1233149.38	232289.00	RUNWAY 15L
4371	1232955.99	232379.52	RUNWAY 15L
4372	1233073.98	232498.81	RUNWAY 15L
4373	1233425.68	232354.64	RUNWAY 15L
4374	1233162.91	232512.01	RUNWAY 15L
4380	1230309.44	233579.44	RUNWAY 15R
4387	1232957.62	232327.56	RUNWAY 15L
4388	1232998.54	232446.40	RUNWAY 15L
4390	1233479.52	232400.86	RUNWAY 15L
4401	1233070.53	232376.18	RUNWAY 15L
4405	1233238.74	232341.85	RUNWAY 15L
4406	1233239.48	232381.18	RUNWAY 15L
4407	1233092.58	232212.41	RUNWAY 15L
4408	1233067.31	232454.22	RUNWAY 15L
4411	1236766.51	228527.32	RUNWAY 33R
4412	1236862.32	228494.29	RUNWAY 33R
4419	1232934.67	232419.23	RUNWAY 15L
4420	1233076.49	232356.19	RUNWAY 15L
4421	1233077.72	232400.47	RUNWAY 15L
4422	1233301.77	232296.76	RUNWAY 15L
4423	1237033.18	228867.75	RUNWAY 33R
4431	1233098.08	232359.17	RUNWAY 15L
4432	1233200.85	232345.95	RUNWAY 15L
4433	1233424.35	232336.73	RUNWAY 15L
4442	1233157.06	232106.87	RUNWAY 15L
4443	1233108.63	232602.17	RUNWAY 15L
4444	1236774.20	228511.22	RUNWAY 33R
4445	1237108.81	228811.00	RUNWAY 33R
4457	1233158.09	232134.69	RUNWAY 15L
4458	1233167.75	232281.76	RUNWAY 15L
4459	1233099.23	232370.20	RUNWAY 15L
4460	1233164.09	232412.40	RUNWAY 15L
4461	1233352.40	232338.20	RUNWAY 15L
4462	1233323.87	232370.09	RUNWAY 15L
4481	1233151.90	232214.33	RUNWAY 15L
4484	1233310.16	232386.76	RUNWAY 15L
4485	1233239.41	232416.52	RUNWAY 15L
4486	1236868.97	228514.44	RUNWAY 33R
4494	1233182.52	232119.76	RUNWAY 15L
4495	1233006.31	232237.57	RUNWAY 15L
4504	1237148.69	228764.73	RUNWAY 33R
4522	1233148.22	232396.93	RUNWAY 15L
4523	1233394.31	232404.12	RUNWAY 15L
4524	1233331.42	232447.46	RUNWAY 15L
4525	1233156.25	232532.81	RUNWAY 15L
4526	1233275.64	232455.12	RUNWAY 15L
4527	1233309.99	232443.68	RUNWAY 15L
4532	1236713.49	228513.82	RUNWAY 33R
4533	1233026.86	232455.12	RUNWAY 15L
4534	1233101.22	232397.69	RUNWAY 15L
4535	1233082.71	232411.49	RUNWAY 15L
4541	1233118.50	232342.49	RUNWAY 15L
4547	1233116.54	232264.95	RUNWAY 15L
4548	1233223.00	232378.83	RUNWAY 15L
4549	1233141.66	232580.18	RUNWAY 15L
4554	1233410.72	232326.40	RUNWAY 15L
4561	1233272.02	232477.35	RUNWAY 15L
4571	1233093.00	232189.86	RUNWAY 15L
4572	1233062.51	232393.00	RUNWAY 15L
4574	1233160.33	232440.23	RUNWAY 15L
4583	1233052.18	232414.93	RUNWAY 15L
4584	1233385.59	232312.53	RUNWAY 15L
4585	1233290.99	232455.40	RUNWAY 15L
4605	1232979.66	232258.59	RUNWAY 15L
4606	1232952.45	232308.06	RUNWAY 15L
4608	1233357.65	232447.39	RUNWAY 15L
4609	1233322.98	232396.95	RUNWAY 15L
4614	1233342.62	232264.99	RUNWAY 15L
4615	1237153.80	228785.92	RUNWAY 33R
4620	1233151.57	232271.41	RUNWAY 15L
4624	1233461.02	232418.18	RUNWAY 15L
4626	1233210.02	232488.38	RUNWAY 15L
4627	1233193.79	232518.48	RUNWAY 15L
4634	1236988.38	228924.31	RUNWAY 33R
4647	1232964.83	232272.86	RUNWAY 15L
4648	1233014.27	232472.58	RUNWAY 15L
4650	1233345.64	232565.26	RUNWAY 15L
4654	1236476.36	228680.23	RUNWAY 33R
4658	1236746.31	228524.75	RUNWAY 33R
4662	1233095.07	232125.58	RUNWAY 15L
4663	1233052.63	232528.61	RUNWAY 15L
4665	1230280.37	233577.77	RUNWAY 15R
4670	1236743.98	228482.63	RUNWAY 33R
4671	1232986.90	232276.00	RUNWAY 15L
4672	1233158.88	232192.57	RUNWAY 15L
4688	1236619.98	228684.63	RUNWAY 33R
4689	1233124.90	232283.47	RUNWAY 15L
4691	1233411.22	232390.97	RUNWAY 15L
4692	1233251.44	232491.31	RUNWAY 15L
4693	1233175.55	232515.97	RUNWAY 15L
4701	1233389.81	232333.63	RUNWAY 15L
4702	1233233.08	232504.31	RUNWAY 15L
4711	1233176.02	232143.60	RUNWAY 15L
4712	1232936.85	232334.64	RUNWAY 15L
4713	1233007.95	232498.50	RUNWAY 15L
4714	1233127.63	232595.56	RUNWAY 15L
4716	1230243.48	233562.61	RUNWAY 15R
4722	1236662.47	228591.09	RUNWAY 33R
4723	1236778.01	228535.52	RUNWAY 33R
4725	1236665.94	228636.82	RUNWAY 33R
4735	1233067.57	232186.25	RUNWAY 15L
4737	1233344.20	232378.51	RUNWAY 15L
4738	1233256.74	232564.85	RUNWAY 15L
4748	1237141.69	228832.10	RUNWAY 33R
4762	1233041.46	232474.43	RUNWAY 15L
4763	1230349.85	233612.06	RUNWAY 15R
4773	1233303.18	232469.43	RUNWAY 15L
4774	1230182.97	233625.01	RUNWAY 15R
4782	1233456.98	232379.24	RUNWAY 15L
4783	1233181.91	232255.66	RUNWAY 15L
4785	1233425.77	232452.65	RUNWAY 15L
4786	1233126.10	232558.95	RUNWAY 15L
4795	1233128.20	232259.32	RUNWAY 15L
4796	1233026.16	232494.30	RUNWAY 15L
4798	1230333.67	233552.54	RUNWAY 15R
4804	1233326.41	232425.57	RUNWAY 15L
4805	1233436.55	232414.89	RUNWAY 15L
4819	1232998.15	232480.14	RUNWAY 15L
4824	1233179.10	232157.18	RUNWAY 15L
4825	1232995.71	232464.00	RUNWAY 15L
4828	1233359.99	232363.92	RUNWAY 15L
4829	1233212.95	232511.40	RUNWAY 15L
4840	1233439.22	232396.81	RUNWAY 15L
4841	1233194.10	232394.41	RUNWAY 15L
4842	1233169.02	232649.18	RUNWAY 15L
4853	1233149.40	232173.25	RUNWAY 15L
4854	1233428.61	232438.57	RUNWAY 15L
4855	1233283.81	232521.29	RUNWAY 15L
4860	1233160.16	232261.25	RUNWAY 15L
4861	1233397.69	232352.95	RUNWAY 15L
4867	1233103.54	232321.25	RUNWAY 15L
4868	1232913.65	232327.51	RUNWAY 15L
4872	1233412.89	232354.99	RUNWAY 15L
4884	1233406.04	232428.56	RUNWAY 15L
4885	1233270.72	232528.04	RUNWAY 15L
4886	1230350.48	233542.34	RUNWAY 15R
4887	1230185.66	233751.90	RUNWAY 15R
4897	1230208.50	233742.00	RUNWAY 15R
4903	1237162.06	228811.46	RUNWAY 33R
4907	1233043.54	232229.64	RUNWAY 15L
4908	1233341.20	232396.27	RUNWAY 15L
4909	1230323.96	233675.97	RUNWAY 15R
4910	1230335.61	233568.42	RUNWAY 15R
4917	1233369.23	232414.90	RUNWAY 15L
4922	1230234.21	233865.18	RUNWAY 15R
4926	1237074.53	228896.90	RUNWAY 33R
4932	1233080.24	232139.53	RUNWAY 15L
4940	1233132.64	232243.96	RUNWAY 15L
4941	1233075.48	232154.89	RUNWAY 15L
4943	1233410.78	232466.44	RUNWAY 15L
4944	1233253.77	232422.34	RUNWAY 15L
4945	1230174.47	233592.16	RUNWAY 15R
4951	1233137.37	232219.32	RUNWAY 15L
4953	1233271.94	232506.61	RUNWAY 15L
4959	1233060.48	232163.56	RUNWAY 15L
4962	1233307.50	232531.78	RUNWAY 15L
4971	1233162.65	232166.66	RUNWAY 15L
4974	1233439.47	232434.38	RUNWAY 15L
4975	1233238.40	232519.19	RUNWAY 15L
4976	1230160.05	233606.96	RUNWAY 15R
4985	1233065.91	232409.46	RUNWAY 15L
4987	1233408.00	232443.90	RUNWAY 15L
4994	1233238.94	232481.43	RUNWAY 15L
4995	1233165.83	232527.67	RUNWAY 15L
4996	1233168.01	232629.35	RUNWAY 15L
5000	1232979.33	232440.06	RUNWAY 15L
5001	1230149.04	233647.97	RUNWAY 15R
5005	1233152.05	232639.31	RUNWAY 15L
5014	1233223.94	232492.98	RUNWAY 15L
5015	1233168.13	232550.69	RUNWAY 15L
5016	1233242.86	232575.92	RUNWAY 15L
5017	1233364.44	232539.31	RUNWAY 15L
5018	1230286.31	233802.64	RUNWAY 15R
5019	1230451.04	233422.50	RUNWAY 15R
5026	1233144.25	232036.72	RUNWAY 15L
5029	1233140.30	232432.17	RUNWAY 15L
5032	1230277.35	233837.76	RUNWAY 15R
5035	1232883.84	232300.41	RUNWAY 15L
5042	1233398.07	232376.61	RUNWAY 15L
5043	1233254.42	232532.88	RUNWAY 15L
5044	1233231.83	232637.34	RUNWAY 15L
5047	1237045.44	228896.29	RUNWAY 33R
5053	1233135.03	232120.36	RUNWAY 15L
5054	1233053.32	232177.81	RUNWAY 15L
5058	1233291.39	232546.05	RUNWAY 15L
5059	1236737.52	228408.19	RUNWAY 33R
5062	1236670.26	228566.24	RUNWAY 33R
5070	1230338.34	233645.28	RUNWAY 15R
5073	1232972.50	232454.31	RUNWAY 15L
5075	1233142.57	232559.39	RUNWAY 15L
5076	1233338.24	232547.37	RUNWAY 15L
5085	1233150.91	232570.24	RUNWAY 15L
5086	1233223.15	232557.26	RUNWAY 15L
5090	1232972.65	232424.06	RUNWAY 15L
5100	1232846.80	232323.21	RUNWAY 15L
5101	1232939.40	232270.52	RUNWAY 15L
5108	1233251.82	232514.66	RUNWAY 15L
5116	1230137.72	233633.22	RUNWAY 15R
5119	1233305.28	232414.43	RUNWAY 15L
5129	1233207.40	232525.32	RUNWAY 15L
5130	1233149.55	232597.90	RUNWAY 15L
5135	1236662.06	228652.61	RUNWAY 33R
5138	1230220.22	233857.59	RUNWAY 15R
5140	1232917.78	232257.63	RUNWAY 15L
5141	1233139.50	232609.92	RUNWAY 15L
5142	1233067.69	232537.20	RUNWAY 15L
5146	1236793.66	228455.38	RUNWAY 33R
5156	1230199.11	233864.47	RUNWAY 15R
5157	1230236.60	233541.18	RUNWAY 15R
5164	1233375.31	232355.25	RUNWAY 15L
5166	1230370.59	233517.35	RUNWAY 15R
5169	1233037.56	232205.83	RUNWAY 15L
5174	1236826.52	228463.04	RUNWAY 33R
5175	1233352.79	232486.25	RUNWAY 15L
5176	1233191.11	232658.39	RUNWAY 15L
5177	1233287.92	232503.05	RUNWAY 15L
5186	1232918.58	232379.94	RUNWAY 15L
5187	1233178.90	232571.93	RUNWAY 15L
5194	1230171.65	233672.37	RUNWAY 15R
5196	1233090.83	232154.21	RUNWAY 15L
5197	1232889.53	232335.73	RUNWAY 15L
5199	1233178.34	232542.35	RUNWAY 15L
5200	1233267.98	232583.69	RUNWAY 15L
5204	1237002.55	228901.64	RUNWAY 33R
5214	1233236.67	232530.52	RUNWAY 15L
5215	1233165.41	232612.73	RUNWAY 15L
5216	1232767.82	232157.83	RUNWAY 15L
5219	1230329.73	233500.46	RUNWAY 15R
5220	1230182.45	233606.43	RUNWAY 15R
5225	1236692.38	228543.84	RUNWAY 33R
5229	1230206.80	233761.86	RUNWAY 15R
5231	1233219.08	232590.85	RUNWAY 15L
5232	1233227.91	232607.29	RUNWAY 15L
5245	1237152.12	228822.17	RUNWAY 33R
5246	1230329.46	233519.20	RUNWAY 15R
5247	1230161.43	233650.16	RUNWAY 15R
5248	1233149.50	232089.78	RUNWAY 15L
5252	1233211.29	232548.02	RUNWAY 15L
5253	1233200.49	232574.91	RUNWAY 15L
5257	1236705.79	228558.81	RUNWAY 33R
5261	1233052.76	232208.19	RUNWAY 15L
5263	1233336.98	232430.01	RUNWAY 15L
5276	1233368.48	232390.50	RUNWAY 15L
5283	1233156.55	232582.52	RUNWAY 15L
5285	1230437.04	233413.64	RUNWAY 15R
5287	1232845.32	232306.74	RUNWAY 15L
5288	1233032.73	232190.82	RUNWAY 15L
5290	1233279.76	232563.83	RUNWAY 15L
5291	1233338.19	232528.18	RUNWAY 15L
5294	1237052.08	228915.80	RUNWAY 33R
5298	1233119.36	232117.84	RUNWAY 15L
5300	1233388.28	232485.52	RUNWAY 15L
5306	1230304.70	233723.03	RUNWAY 15R
5307	1230267.19	233513.95	RUNWAY 15R
5308	1232904.77	232355.03	RUNWAY 15L
5318	1233149.30	232075.55	RUNWAY 15L
5320	1233185.94	232636.02	RUNWAY 15L
5321	1233250.48	232614.43	RUNWAY 15L
5322	1233342.20	232512.13	RUNWAY 15L
5332	1233079.54	232115.23	RUNWAY 15L
5342	1233164.09	232594.51	RUNWAY 15L
5350	1233197.83	232599.06	RUNWAY 15L
5351	1233258.41	232652.62	RUNWAY 15L
5355	1230364.68	233504.19	RUNWAY 15R
5356	1230287.80	233499.93	RUNWAY 15R
5361	1233319.37	232547.42	RUNWAY 15L
5375	1232926.45	232304.00	RUNWAY 15L
5377	1230285.61	233514.86	RUNWAY 15R
5383	1237021.94	228933.08	RUNWAY 33R
5385	1232902.83	232287.73	RUNWAY 15L
5386	1233211.78	232614.53	RUNWAY 15L
5391	1233185.21	232600.53	RUNWAY 15L
5394	1230152.89	233663.84	RUNWAY 15R
5398	1233027.84	232155.97	RUNWAY 15L
5410	1233040.19	232169.85	RUNWAY 15L
5416	1230337.65	233490.28	RUNWAY 15R
5434	1230361.30	233486.25	RUNWAY 15R
5437	1233031.49	232145.89	RUNWAY 15L
5438	1233011.78	232188.47	RUNWAY 15L
5462	1230350.12	233590.14	RUNWAY 15R
5464	1233358.99	232471.05	RUNWAY 15L
5469	1230188.75	233652.00	RUNWAY 15R
5475	1232895.56	232258.49	RUNWAY 15L
5486	1230220.11	233551.71	RUNWAY 15R
5491	1232938.41	232381.49	RUNWAY 15L
5500	1230208.87	233567.78	RUNWAY 15R
5511	1233294.02	232574.82	RUNWAY 15L
5512	1233308.29	232589.34	RUNWAY 15L
5519	1233090.04	232095.38	RUNWAY 15L
5528	1232868.04	232313.08	RUNWAY 15L
5538	1230440.34	233527.83	RUNWAY 15R
5546	1233000.63	231956.27	RUNWAY 15L
5548	1230176.07	233859.92	RUNWAY 15R
5550	1233064.68	232121.50	RUNWAY 15L
5553	1233351.34	232419.10	RUNWAY 15L
5570	1233213.80	232651.62	RUNWAY 15L
5573	1230192.89	233590.53	RUNWAY 15R
5576	1232877.88	232347.11	RUNWAY 15L
5578	1233379.09	232515.28	RUNWAY 15L
5586	1233363.86	232500.45	RUNWAY 15L
5596	1233231.57	232660.37	RUNWAY 15L
5603	1230316.89	233707.59	RUNWAY 15R
5606	1233008.02	232157.62	RUNWAY 15L
5618	1230101.83	233894.41	RUNWAY 15R
5619	1230305.54	233742.24	RUNWAY 15R
5623	1236586.39	228581.45	RUNWAY 33R
5632	1230460.76	233368.80	RUNWAY 15R
5635	1233383.44	232468.91	RUNWAY 15L
5653	1233094.47	232079.37	RUNWAY 15L
5677	1230625.56	233928.82	RUNWAY 15L
5681	1233323.89	232563.71	RUNWAY 15L
5684	1230436.24	233543.40	RUNWAY 15R
5693	1230381.35	233502.08	RUNWAY 15R
5697	1233111.15	232097.24	RUNWAY 15L
5699	1233224.12	232625.21	RUNWAY 15L
5702	1230191.62	233786.03	RUNWAY 15R
5705	1233134.73	232064.24	RUNWAY 15L
5711	1233270.17	232625.09	RUNWAY 15L
5733	1232924.88	232280.95	RUNWAY 15L
5742	1233413.92	232507.22	RUNWAY 15L
5743	1230122.43	233680.75	RUNWAY 15R
5754	1230608.01	233943.25	RUNWAY 15L
5772	1232913.19	232395.30	RUNWAY 15L
5774	1229917.21	233995.87	RUNWAY 15R
5786	1230613.40	233925.97	RUNWAY 15L
5802	1231457.04	233429.89	RUNWAY 15L
5810	1233308.64	232599.89	RUNWAY 15L
5840	1230315.44	233764.77	RUNWAY 15R
5841	1230641.41	233938.21	RUNWAY 15L
5856	1233139.01	232050.46	RUNWAY 15L
5877	1230314.58	233475.88	RUNWAY 15R
5889	1230210.50	233584.61	RUNWAY 15R
5897	1229957.61	234019.91	RUNWAY 15R
5898	1230232.13	233791.49	RUNWAY 15R
5906	1233075.23	232089.46	RUNWAY 15L
5912	1232876.91	232279.16	RUNWAY 15L
5919	1232908.37	232230.32	RUNWAY 15L
5938	1230313.10	233778.59	RUNWAY 15R
5952	1230329.68	233479.50	RUNWAY 15R
5961	1232842.70	232164.19	RUNWAY 15L
5962	1233018.42	232204.83	RUNWAY 15L
5967	1230444.96	233405.37	RUNWAY 15R
5990	1229933.91	234007.10	RUNWAY 15R
6039	1232991.57	232166.14	RUNWAY 15L
6043	1230083.49	233992.13	RUNWAY 15R
6057	1233282.12	232608.27	RUNWAY 15L
6063	1230598.44	233918.50	RUNWAY 15L
6067	1230421.84	233628.56	RUNWAY 15R
6075	1230051.00	234088.45	RUNWAY 15R
6107	1232891.37	232365.59	RUNWAY 15L
6113	1230453.15	233377.08	RUNWAY 15R
6125	1230386.36	233601.49	RUNWAY 15R
6137	1232884.31	232080.12	RUNWAY 15L
6149	1230439.18	233510.52	RUNWAY 15R
6150	1230124.63	233667.72	RUNWAY 15R
6156	1230637.92	233947.49	RUNWAY 15L
6180	1230360.43	233583.29	RUNWAY 15R
6181	1230379.87	233482.55	RUNWAY 15R
6196	1232936.39	232220.01	RUNWAY 15L
6206	1230445.37	233441.58	RUNWAY 15R
6218	1230378.21	233580.07	RUNWAY 15R
6219	1230441.00	233474.62	RUNWAY 15R
6223	1230190.94	233691.72	RUNWAY 15R
6229	1230369.89	233619.95	RUNWAY 15R
6254	1230377.89	233840.85	RUNWAY 15R
6270	1229948.21	234009.29	RUNWAY 15R
6271	1230413.99	233667.97	RUNWAY 15R
6310	1230413.30	233709.10	RUNWAY 15R
6311	1230368.89	233601.85	RUNWAY 15R
6331	1230029.62	233719.56	RUNWAY 15R
6347	1230378.46	233423.79	RUNWAY 15R
6356	1230277.41	233865.08	RUNWAY 15R
6381	1230421.36	233495.00	RUNWAY 15R
6420	1230190.64	233908.33	RUNWAY 15R
6433	1230226.16	233886.01	RUNWAY 15R
6436	1230412.82	233511.53	RUNWAY 15R
6455	1229978.23	234008.42	RUNWAY 15R
6464	1230398.55	233782.51	RUNWAY 15R
6487	1230438.00	233461.00	RUNWAY 15R
6497	1230124.72	233640.24	RUNWAY 15R
6498	1230628.59	233955.51	RUNWAY 15L
6527	1233548.45	232561.31	RUNWAY 15L
6528	1230397.05	233491.72	RUNWAY 15R
6536	1230175.81	233685.38	RUNWAY 15R
6544	1230050.90	233916.29	RUNWAY 15R
6553	1230455.79	233351.50	RUNWAY 15R
6576	1230036.24	233765.45	RUNWAY 15R
6590	1230428.01	233423.04	RUNWAY 15R
6591	1230144.17	233737.23	RUNWAY 15R
6603	1230220.16	233802.13	RUNWAY 15R
6604	1230437.07	233490.67	RUNWAY 15R
6605	1230214.10	233951.95	RUNWAY 15R
6617	1230427.78	233525.47	RUNWAY 15R
6626	1230211.49	233603.73	RUNWAY 15R
6627	1230432.39	233591.85	RUNWAY 15R
6628	1230338.57	233477.25	RUNWAY 15R
6648	1230758.48	233976.92	RUNWAY 15L
6660	1230225.02	233938.10	RUNWAY 15R
6661	1230406.94	233640.35	RUNWAY 15R
6662	1230116.88	233749.05	RUNWAY 15R
6663	1230426.97	233452.42	RUNWAY 15R
6668	1230342.20	233730.56	RUNWAY 15R
6674	1230207.87	233937.51	RUNWAY 15R
6682	1230396.57	233622.75	RUNWAY 15R
6683	1230148.34	233690.37	RUNWAY 15R
6684	1230448.39	233273.27	RUNWAY 15R
6690	1230381.07	233777.79	RUNWAY 15R
6717	1230399.66	233587.48	RUNWAY 15R
6718	1230046.83	233940.76	RUNWAY 15R
6723	1230398.08	233718.35	RUNWAY 15R
6724	1230328.69	233723.76	RUNWAY 15R
6725	1230435.34	233563.73	RUNWAY 15R
6733	1230333.22	233823.65	RUNWAY 15R
6741	1230202.36	233893.69	RUNWAY 15R
6751	1230367.97	233552.78	RUNWAY 15R
6752	1230414.13	233460.23	RUNWAY 15R
6762	1230426.78	233438.92	RUNWAY 15R
6779	1230397.41	233562.80	RUNWAY 15R
6785	1230338.99	233714.05	RUNWAY 15R
6793	1230104.59	233852.79	RUNWAY 15R
6794	1230391.45	233473.79	RUNWAY 15R
6804	1230282.84	233876.82	RUNWAY 15R
6820	1230130.36	233699.87	RUNWAY 15R
6822	1230335.71	233737.09	RUNWAY 15R
6823	1230388.60	233414.55	RUNWAY 15R
6838	1233328.95	232627.08	RUNWAY 15L
6855	1230269.03	233880.50	RUNWAY 15R
6869	1230226.06	233907.76	RUNWAY 15R
6876	1230343.70	233694.98	RUNWAY 15R
6877	1230138.77	233670.07	RUNWAY 15R
6885	1230417.92	233584.10	RUNWAY 15R
6897	1230395.86	233458.53	RUNWAY 15R
6906	1231612.91	233350.01	RUNWAY 15L
6911	1230395.38	233522.69	RUNWAY 15R
6912	1230428.32	233483.86	RUNWAY 15R
6920	1230245.82	233937.26	RUNWAY 15R
6944	1230102.22	233922.99	RUNWAY 15R
6947	1231560.36	233444.01	RUNWAY 15L
6974	1230188.33	233937.08	RUNWAY 15R
6982	1230414.31	233601.42	RUNWAY 15R
6983	1230309.83	233545.61	RUNWAY 15R
6984	1230162.21	233710.51	RUNWAY 15R
6989	1229955.37	233672.35	RUNWAY 15R
6999	1230133.48	233847.64	RUNWAY 15R
7027	1230417.80	233532.96	RUNWAY 15R
7037	1230406.02	233654.01	RUNWAY 15R
7038	1230357.83	233757.20	RUNWAY 15R
7039	1230010.44	233733.75	RUNWAY 15R
7049	1231682.79	233289.39	RUNWAY 15L
7051	1230284.48	233898.73	RUNWAY 15R
7059	1230335.90	233750.90	RUNWAY 15R
7060	1230346.53	233810.91	RUNWAY 15R
7069	1230290.16	233420.14	RUNWAY 15R
7076	1230211.63	233918.76	RUNWAY 15R
7087	1230424.30	233397.47	RUNWAY 15R
7088	1230344.86	233452.46	RUNWAY 15R
7098	1231667.63	233301.42	RUNWAY 15L
7103	1230248.57	233955.51	RUNWAY 15R
7104	1230243.95	233884.38	RUNWAY 15R
7105	1230175.13	233928.06	RUNWAY 15R
7114	1233487.88	232663.30	RUNWAY 15L
7138	1230381.84	233638.19	RUNWAY 15R
7146	1231664.27	233192.08	RUNWAY 15L
7153	1230320.22	233835.43	RUNWAY 15R
7160	1230326.65	233802.54	RUNWAY 15R
7161	1230424.97	233613.57	RUNWAY 15R
7169	1230307.54	233844.99	RUNWAY 15R
7182	1230356.17	233794.53	RUNWAY 15R
7190	1230403.40	233687.21	RUNWAY 15R
7191	1230411.31	233479.30	RUNWAY 15R
7206	1231686.21	233314.17	RUNWAY 15L
7221	1231700.53	233286.95	RUNWAY 15L
7222	1230041.27	234002.71	RUNWAY 15R
7226	1230198.36	233963.19	RUNWAY 15R
7231	1230373.48	233792.42	RUNWAY 15R
7232	1230394.22	233440.43	RUNWAY 15R
7254	1230295.06	233871.55	RUNWAY 15R
7255	1230414.69	233562.83	RUNWAY 15R
7268	1230094.32	233942.39	RUNWAY 15R
7269	1230112.07	233664.73	RUNWAY 15R
7281	1230180.62	233966.16	RUNWAY 15R
7283	1231554.96	233335.94	RUNWAY 15L
7292	1230346.49	233928.12	RUNWAY 15R
7299	1230162.01	233572.36	RUNWAY 15R
7319	1230402.07	233540.40	RUNWAY 15R
7326	1231715.10	233294.75	RUNWAY 15L
7330	1230436.32	233377.12	RUNWAY 15R
7358	1230342.16	233909.23	RUNWAY 15R
7370	1231606.91	233378.49	RUNWAY 15L
7375	1230260.75	233935.00	RUNWAY 15R
7376	1230367.36	233690.63	RUNWAY 15R
7384	1231659.84	233317.59	RUNWAY 15L
7398	1230314.93	233813.37	RUNWAY 15R
7409	1230369.47	233644.25	RUNWAY 15R
7410	1230307.17	233560.07	RUNWAY 15R
7417	1231786.22	233221.33	RUNWAY 15L
7428	1230360.41	233839.62	RUNWAY 15R
7429	1230315.73	233750.16	RUNWAY 15R
7430	1230173.63	233702.54	RUNWAY 15R
7431	1230132.66	233969.45	RUNWAY 15R
7439	1230357.55	233773.40	RUNWAY 15R
7444	1229970.08	234038.77	RUNWAY 15R
7456	1230315.43	233956.46	RUNWAY 15R
7468	1231587.77	233396.45	RUNWAY 15L
7470	1230260.99	233575.91	RUNWAY 15R
7486	1230350.75	233719.74	RUNWAY 15R
7494	1230372.92	233758.91	RUNWAY 15R
7495	1230062.23	234001.07	RUNWAY 15R
7513	1230381.74	233532.26	RUNWAY 15R
7522	1230375.63	233826.88	RUNWAY 15R
7550	1230384.12	233661.69	RUNWAY 15R
7551	1230289.02	233544.55	RUNWAY 15R
7590	1230083.60	233973.86	RUNWAY 15R
7600	1230337.12	233798.07	RUNWAY 15R
7617	1230057.55	233971.38	RUNWAY 15R
7628	1230378.36	233447.14	RUNWAY 15R
7677	1230351.80	233823.76	RUNWAY 15R
7678	1230354.99	233698.29	RUNWAY 15R
7679	1230374.75	233464.46	RUNWAY 15R
7680	1230117.69	233950.12	RUNWAY 15R
7689	1230140.24	233992.12	RUNWAY 15R
7691	1230342.47	233842.68	RUNWAY 15R
7692	1230271.72	233550.15	RUNWAY 15R
7693	1230136.09	233941.18	RUNWAY 15R
7703	1231724.49	233278.57	RUNWAY 15L
7712	1230383.73	233698.69	RUNWAY 15R
7713	1230359.97	233460.52	RUNWAY 15R
7716	1231377.45	233552.08	RUNWAY 15L
7725	1231287.29	233683.10	RUNWAY 15L
7726	1230366.03	233731.14	RUNWAY 15R
7727	1230165.43	233727.02	RUNWAY 15R
7740	1230302.33	233856.12	RUNWAY 15R
7743	1230332.82	233920.85	RUNWAY 15R
7744	1230117.91	233975.37	RUNWAY 15R
7762	1230404.50	233420.23	RUNWAY 15R
7763	1230078.28	233942.59	RUNWAY 15R
7781	1230353.25	233899.67	RUNWAY 15R
7786	1231692.50	233275.78	RUNWAY 15L
7794	1230332.19	233782.49	RUNWAY 15R
7797	1230320.60	233860.84	RUNWAY 15R
7800	1230364.99	233666.81	RUNWAY 15R
7821	1231775.87	233239.43	RUNWAY 15L
7833	1231387.34	233606.26	RUNWAY 15L
7839	1230327.60	233930.55	RUNWAY 15R
7846	1231686.08	233327.76	RUNWAY 15L
7850	1230160.57	233757.83	RUNWAY 15R
7856	1231650.60	233331.37	RUNWAY 15L
7859	1230306.02	233873.58	RUNWAY 15R
7868	1230242.82	233905.68	RUNWAY 15R
7871	1230102.97	233972.54	RUNWAY 15R
7905	1230367.97	233813.56	RUNWAY 15R
7915	1230159.86	233896.29	RUNWAY 15R
7930	1231389.95	233566.12	RUNWAY 15L
7939	1230305.74	233890.42	RUNWAY 15R
7956	1230311.03	233514.25	RUNWAY 15R
7959	1230159.10	233842.75	RUNWAY 15R
7977	1230275.15	233912.95	RUNWAY 15R
7980	1230146.98	233717.22	RUNWAY 15R
7991	1230258.58	233890.69	RUNWAY 15R
8005	1230384.24	233814.81	RUNWAY 15R
8017	1230359.95	233449.69	RUNWAY 15R
8018	1230406.35	233402.09	RUNWAY 15R
8031	1231378.91	233560.23	RUNWAY 15L
8040	1231715.65	233261.17	RUNWAY 15L
8046	1230290.50	233958.27	RUNWAY 15R
8060	1230393.10	233763.15	RUNWAY 15R
8068	1230280.44	233932.73	RUNWAY 15R
8075	1230064.63	233752.46	RUNWAY 15R
8080	1231664.49	233335.82	RUNWAY 15L
8082	1230886.42	233988.74	RUNWAY 15L
8137	1230301.80	233900.43	RUNWAY 15R
8143	1231622.42	233379.57	RUNWAY 15L
8146	1230155.07	233856.02	RUNWAY 15R
8155	1230065.74	233933.32	RUNWAY 15R
8162	1231182.24	233743.18	RUNWAY 15L
8163	1231213.45	233754.45	RUNWAY 15L
8166	1230094.75	233754.66	RUNWAY 15R
8181	1230349.72	233882.85	RUNWAY 15R
8182	1230310.49	233946.47	RUNWAY 15R
8196	1230362.48	233868.11	RUNWAY 15R
8197	1230127.08	233912.37	RUNWAY 15R
8220	1230070.52	233950.71	RUNWAY 15R
8236	1231079.11	233690.53	RUNWAY 15L
8237	1230919.37	233872.90	RUNWAY 15L
8249	1231327.44	233627.36	RUNWAY 15L
8258	1231308.11	233634.92	RUNWAY 15L
8266	1231155.70	233743.56	RUNWAY 15L
8271	1230292.69	233944.93	RUNWAY 15R
8272	1230057.74	233725.69	RUNWAY 15R
8275	1231751.14	233259.48	RUNWAY 15L
8283	1230259.46	233542.37	RUNWAY 15R
8286	1231222.92	233705.82	RUNWAY 15L
8322	1230291.66	233913.16	RUNWAY 15R
8335	1231755.52	233235.33	RUNWAY 15L
8339	1231081.35	233863.19	RUNWAY 15L
8345	1231349.38	233578.70	RUNWAY 15L
8349	1231002.26	233774.83	RUNWAY 15L
8351	1231268.87	233668.60	RUNWAY 15L
8352	1231285.59	233643.46	RUNWAY 15L
8353	1231301.63	233662.60	RUNWAY 15L
8357	1230090.14	233724.66	RUNWAY 15R
8359	1230388.20	233739.65	RUNWAY 15R
8395	1231210.65	233722.32	RUNWAY 15L
8412	1230297.58	233929.83	RUNWAY 15R
8414	1230272.35	233950.05	RUNWAY 15R
8422	1230378.38	233718.08	RUNWAY 15R
8423	1230078.04	233713.57	RUNWAY 15R
8424	1231065.06	233872.83	RUNWAY 15L
8444	1230338.73	233871.92	RUNWAY 15R
8449	1231358.92	233560.76	RUNWAY 15L
8458	1231048.84	233843.29	RUNWAY 15L
8471	1231065.28	233892.49	RUNWAY 15L
8477	1230093.41	233695.27	RUNWAY 15R
8495	1231345.18	233626.19	RUNWAY 15L
8512	1231363.96	233593.53	RUNWAY 15L
8533	1231142.51	233774.46	RUNWAY 15L
8541	1230068.30	233690.88	RUNWAY 15R
8544	1230119.23	233695.59	RUNWAY 15R
8555	1230077.17	233680.38	RUNWAY 15R
8559	1230313.18	233909.97	RUNWAY 15R
8561	1231009.11	233875.53	RUNWAY 15L
8579	1231101.90	233835.48	RUNWAY 15L
8596	1231229.86	233732.82	RUNWAY 15L
8606	1231019.09	233899.17	RUNWAY 15L
8622	1230331.63	233890.20	RUNWAY 15R
8638	1231128.11	233768.10	RUNWAY 15L
8710	1230997.15	233888.51	RUNWAY 15L
8717	1231212.01	233694.01	RUNWAY 15L

SOURCE:

1. TREE REMOVAL PROJECT: *LONG ISLAND MACARTHUR AIRPORT - OBSTRUCTION REMOVAL PLAN*, PROJECT NUMBER 212021. SAVIK & MURRY, LLP. MAY 2013

Revision Description	Date	By

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: TREE REMOVAL SUMMARY SHEET

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE | CONTR. NO.

DATE: MARCH 2016 | SHEET: 20 of 23

Y:\LIMA\Master Plan\E-L&B Work Product\1-CAD\ALP\ALP_E-TRANSMIT_10-21-2015\ISP-Sheet 20.dwg
Ltscale: 1 Saved On: February 19, 2016 Plotted: 2/29/2016 3:05 PM

Airport Owned Property

Airport Parcel Number	FAA Grant Parcel Number	Tax Map ID	Grantor	Grantee	Address	Acres	Liber	Page	Date	Instrument	AIP Grant Number	"Federal Share"	"Airport Share"
0001	N/A	0500-10600-0100-006009	County of Suffolk	Town of Islip MacArthur Airport	0 Veterans Memorial Highway	1207.6	D00012307	222	2/28/1944	DEED	N/A	0%	100%
0100	N/A	0500-10600-0100-006013	County of Suffolk	Town of Islip MacArthur Airport	0 Railroad Avenue EXT	7.7	D00012307	222	2/28/1944	DEED	N/A	0%	100%
0104	27	0500-06600-0200-047003	Jack S Semple	Town of Islip MacArthur Airport	0 Avenue A	0.45	D00017529	274	11/2/1973	DEED	3-36-0046-07-85	90%	10%
0105	27, 28	0500-06600-0200-047004	Jack S Semple	Town of Islip MacArthur Airport	0 Coates Avenue	0.45	D00017529	274	11/2/1973	DEED	3-36-0046-07-85	90%	10%
0106	23	0500-06600-0200-036003		Town of Islip MacArthur Airport	0 Audobon Avenue	0.43	D00012508	215	6/5/2007	DEED	3-36-0046-07-85	90%	10%
0107	23	0500-06600-0200-036004		Town of Islip MacArthur Airport	0 Coates Avenue	0.54	D00012508	215	6/5/2007	DEED	3-36-0046-07-85	90%	10%
0111	16	0500-08700-0100-031000	Doris B Tucker	Town of Islip MacArthur Airport	0 Furrows Road	3.3	D00010215	195	1/9/1987		3-36-0046-07-85	90%	10%
0112	17	0500-08700-0100-032001	Gilbert & Helen Pedersen	Town of Islip MacArthur Airport	0 Lincoln Avenue	1.84	D00010376	164	7/28/1987		3-36-0046-07-85	90%	10%
0113	N/A	0500-08700-0100-046004		Town of Islip MacArthur Airport	0 Lincoln Avenue	0.65	D00012022	118	2/18/2000	CERTIFICATE OF TITLE	N/A	0%	100%
0114	18	0500-08700-0100-033000	Bartolo Galante & Vincent Galatioto	Town of Islip MacArthur Airport	0 Lincoln Avenue	2.4	D00010279	219	3/25/1987		3-36-0046-07-85	90%	10%
0200		0500-12800-0100-020000	Lincoln Avenue Associates	Town of Islip MacArthur Airport	0 Lincoln Avenue	14.44	D00012109	831	3/27/2001	CERTIFICATE OF TITLE	3-36-0046-12-86	95%	5%
0201	N/A	0500-17400-0300-002000		Town of Islip MacArthur Airport	0 Veterans Memorial Highway	8.5					N/A	0%	100%
0216	N/A	0500-10600-0100-006009	Town of Islip Foreign Trade Zone	Town of Islip MacArthur Airport	0 Veterans Memorial Highway	4.63			6/23/2008		N/A	0%	100%
0300	8	0500-19000-0100-002008	Roseann Flanagan	Town of Islip MacArthur Airport	0 Sycamore Avenue	0.75	D00010765	230	12/29/1988		3-36-0046-07-85	90%	10%
0301	10	0500-17100-0200-001010	Ernest & Barbara Doolin	Town of Islip MacArthur Airport	0 8th Street	3.46	D00010598	487	12/4/1987	DEED	3-36-0046-07-85	90%	10%
0302	30	0500-17000-0200-011000	Josephine Indano	Town of Islip MacArthur Airport	0 Louis Kossuth Avenue	0.18	D00010600	109	5/11/1988		3-36-0046-07-85	90%	10%
0303	30	0500-17000-0200-010000	Josephine Indano	Town of Islip MacArthur Airport	0 Louis Kossuth Avenue	0.18	D00010600	109	5/11/1988		3-36-0046-07-85	90%	10%
0304	2	0500-17000-0400-020000		Town of Islip MacArthur Airport	665 Madison Avenue	0.46					3-36-0046-07-85	90%	10%
0305	4	0500-17000-0400-044002	Sophie & John Motylewski	Town of Islip MacArthur Airport	0 Sycamore Avenue	0.46	D00010655	445	7/29/1988		3-36-0046-07-85	90%	10%
0306	3	0500-17000-0400-043001	Gentilina & Luigi Mastrocola	Town of Islip MacArthur Airport	0 Sycamore Avenue	0.46	D00010579	034	4/8/1988		3-36-0046-07-85	90%	10%
0307	5	0500-17100-0100-007000	Nancy M Alles	Town of Islip MacArthur Airport	0 Sycamore Avenue	1.29	D00010202	428	12/17/1986	DEED	3-36-0046-07-85	90%	10%
0308	6	0500-17100-0100-022002	Eugene & Nina Albanese	Town of Islip MacArthur Airport	0 Pine Avenue	0.39	D00010409	357	9/3/1987		3-36-0046-07-85	90%	10%
0309	38	0500-17100-0100-023002	Jackwill Associates LTD	Town of Islip MacArthur Airport	0 Madison Street	0.46	D00010795	363	2/8/1989		3-36-0046-07-85	90%	10%
0310	13	0500-17100-0200-007002	Jeanette M Dreyer	Town of Islip MacArthur Airport	1465 Locust Avenue	1.66	D00010505	427	12/31/1987		3-36-0046-07-85	90%	10%
0311	10,11	0500-17100-0200-001010	Ernest & Barbara Doolin	Town of Islip MacArthur Airport	1519 Locust Avenue	2.34	D00010598	487	12/4/1987	DEED	3-36-0046-07-85	90%	10%
0312	N/A	0500-14800-0100-044000	August & Mary Taluzek	Town of Islip MacArthur Airport	0 Ocean Avenue	0.69	D00016726	547	1/7/1970	DEED	N/A	0%	100%
0313	N/A	0500-14800-0100-024002	Brookhaven Garden Associates	Town of Islip MacArthur Airport	0 Veterans Memorial Highway	7.79	D00018892	1	9/25/1980	DEED	N/A	0%	100%
0314	N/A	0500-14800-0100-047001		Town of Islip MacArthur Airport	0 Lakeland Avenue	10.7					N/A	0%	100%
0400	N/A	0500-10601-0100-001000	MacArthur Airport Executive Center	Town of Islip MacArthur Airport	0 Smithtown Avenue	8.34	D00017620	58	4/2/1974	DEED	N/A	0%	100%
					Total Acreage:	#######							

Released Airport Property

Airport Parcel Number	FAA Grant Parcel Number	Tax Map ID	Grantor	Grantee	Address	Acres	Liber	Page	Date	Instrument	AIP Grant Number	"Federal Share"	"Airport Share"
0101	N/A	0500-10600-0100-006012	Town of Islip MacArthur Airport	Metropolitan Transportation Authority	0 Railroad Avenue EXT	6.0				Release	N/A	0%	100%
0102	N/A	0500-10602-0100-001000	Town of Islip MacArthur Airport	Metropolitan Transportation Authority	0 Railroad Avenue EXT	18.0	D00012647	315	12/30/2010	Release	N/A	0%	100%
0103	N/A	0500-10600-0100-006010	Town of Islip MacArthur Airport	Metropolitan Transportation Authority	0 Railroad Avenue EXT	12.5	D00012647	316	12/30/2010	Release	N/A	0%	100%
0108	N/A	0500-06600-0200-018017	Marcello Stellato	Town of Islip MacArthur Airport	0 Beach Street	0.45	D00019893	235	10/4/1985	DEED	N/A	0%	100%
0109	N/A	0500-06600-0200-018018	Marcello Stellato	Town of Islip MacArthur Airport	0 Coates Avenue	0.45	D00019893	235	10/4/1985	DEED	N/A	0%	100%
0110	N/A	0500-06600-0200-017000	Trudy Cutler, Richard Cuter, Robert Cutler, Enid Foreman, Leona Friedenberg, Abe Greenspan	Town of Islip MacArthur Airport	1612 Coates Avenue	6.0	D00010830	473	4/6/1989		N/A	0%	100%
0202	N/A	0500-15001-0100-015000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	0 Veterans Memorial Highway	1.69				Release	N/A	0%	100%
0203	N/A	0500-15001-0100-014000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	0 Veterans Memorial Highway	0.37				Release	N/A	0%	100%
0204	N/A	0500-15001-0100-013000	Town of Islip MacArthur Airport	S&B Properties	2 Trade Zone Drive	1.24	D00012006	739	12/13/1999	Release	N/A	0%	100%
0205	N/A	0500-15001-0100-012000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	1 Trade Zone Drive	4.33				Release	N/A	0%	100%
0206	N/A	0500-15001-0100-011000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	50 Trade Zone Drive	5.42				Release	N/A	0%	100%
0207	N/A	0500-15001-0100-008000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	100 Trade Zone Drive	3.61				Release	N/A	0%	100%
0208	N/A	0500-15001-0100-009000	Town of Islip MacArthur Airport	Ronklip Associates LLC	1 Trade Zone Court	2.76	D00011996	074	10/20/1999	Release	N/A	0%	100%
0209	N/A	0500-15001-0100-010000	Town of Islip MacArthur Airport/Town of Islip Foreign Trade Zone Authority/Long Island Commercial Bank		101 Trade Zone Drive	3.19	D00012133	700	8/3/2001	Release	N/A	0%	100%
0210	N/A	0500-15001-0100-016000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	0 Trade Zone Court	4.63			6/23/2008	Release	N/A	0%	100%
0211	N/A	0500-15001-0100-007000	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	151 Trade Zone Drive	3.71				Release	N/A	0%	100%
0212	N/A	0500-15001-0100-006000	Town of Islip MacArthur Airport	Trade Zone 300 LLC	300 Trade Zone Drive	3.01	D00012649	957	2/1/2011	Release	N/A	0%	100%
0213	N/A	0500-15001-0100-005000	Town of Islip MacArthur Airport/Town of Islip Foreign Trade Zone Authority/Rep 200 Trade Zone LLC	Suffolk County Department of Health Services	200 Trade Zone Drive	3.5	D00012505	953	5/18/2007	Release	N/A	0%	100%
0214	N/A	0500-15001-0100-004000	Town of Islip MacArthur Airport	Bridger Commercial Funding LLC	1 Roebling Court	3.85	D00012520	252	8/30/2007	Release	N/A	0%	100%
0215	N/A	0500-15001-0100-002001	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	101 Roebling Court	1.63				Release	N/A	0%	100%
0217	N/A	0500-15001-0100-003001	Town of Islip MacArthur Airport	Town of Islip Foreign Trade Zone Authority	2 Roebling Court	2.51				Release	N/A	0%	100%
0233	N/A	0500-106.00-1.00-part of lot 6.9	Town of Islip MacArthur Airport	Broadway National	Along Veterans Memorial Highway and Lakeland Avenue	3.4				Release	N/A	0%	100%
					Total Acreage:	92.25							

Land Swap 1

Parcels Released			Parcels Acquired		
Airport Parcel Number	Address	Acres	Airport Parcel Number	Tax Map ID	Address	Acres
0101	0500-10600-0100-006012	0 Railroad Avenue EXT	6.0	0110	0500-06600-0200-017000	1612 Coates Avenue	6
0102	0500-10602-0100-001000	0 Railroad Avenue EXT	18.0	0201	0500-17400-0300-002000	0 Veterans Memorial Highway	8.5
0103	0500-10600-0100-006010	0 Railroad Avenue EXT	12.5	-	-	-	-
		Total Acreage:	36.50			Total Acreage:	14.50

Land Swap 2

Parcels Released				Parcels Acquired			
Airport Parcel Number	Tax Map ID	Address	Acres	Airport Parcel Number	Tax Map ID	Address	Acres
0210	0500-15001-0100-016000	0 Trade Zone Court	4.63	0216	0500-10600-0100-006009	0 Veterans Memorial Highway	4.63

Airport Held Easements

Airport Parcel Number	FAA Grant Parcel Number	Tax Map ID	Grantor	Grantee	Address	Acres	Liber	Page	Date	Instrument	AIP Grant Number	"Federal Share"	"Airport Share"
0315	N/A	0500-10600-0100-006004	Town of Islip MacArthur Airport	Suffolk County Water Authority	2255 Smithtown Avenue	0.8				Release	N/A	0%	100%

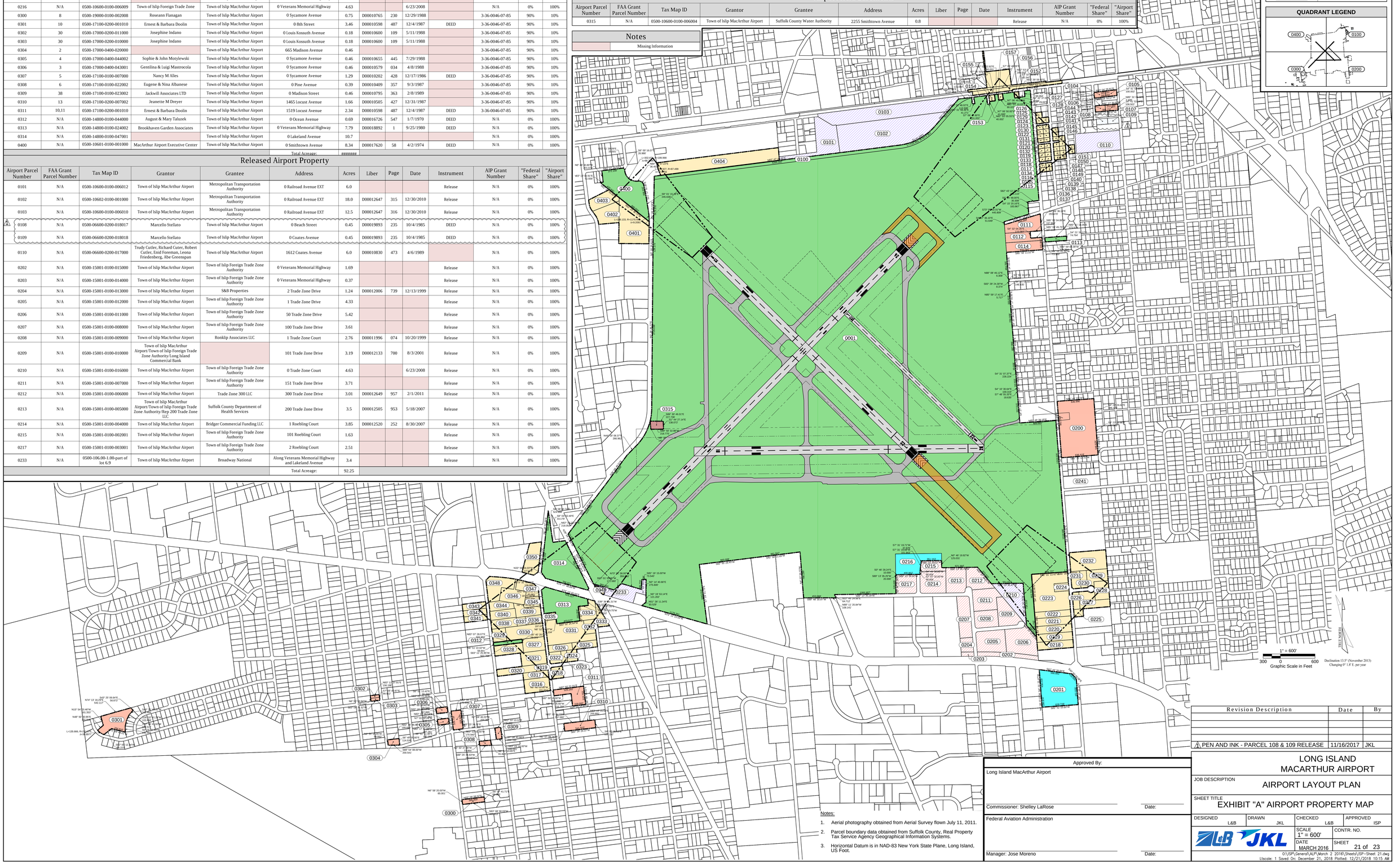
Notes

	Missing Information

DRAWING LEGEND

EXISTING	DESCRIPTION
	Existing Airport Property Line
	Future Airport Property Line
	Runway Safety Area
	Runway Object Free Area
	Runway Protection Zone
	Airport Owned Property
	Easement
	AIP Funded Airport Property
	Land Swap Acquisition
	Land Swap Release
	Land Release
	Foreign Trade Zone Release
	Future Property Acquisition

QUADRANT LEGEND



Revision Description	Date	By
⚠ PEN AND INK - PARCEL 108 & 109 RELEASE	11/16/2017	JKL

Notes:

1. Aerial photography obtained from Aerial Survey flown July 11, 2011.
2. Parcel boundary data obtained from Suffolk County, Real Property Tax Service Agency Geographical Information Systems.
3. Horizontal Datum is in NAD-83 New York State Plane, Long Island, US Foot.

Approved By:

Long Island MacArthur Airport

Commissioner: Shelley LaRose — Date:

Federal Aviation Administration

Manager: Jose Moreno — Date:

LONG ISLAND MACARTHUR AIRPORT

JOB DESCRIPTION: AIRPORT LAYOUT PLAN

SHEET TITLE: EXHIBIT "A" AIRPORT PROPERTY MAP

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

LaB JKL

SCALE: 1" = 600' | CONTR. NO.

DATE: MARCH 2016 | SHEET: 21 of 23

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ON-AIPORT LAND USE LEGEND

- AIRPORT OPERATION AREA (AOA)
- COMMERCIAL
- GENERAL AVIATION
- GOVERNMENT
- TERMINAL AREA
- UNUSED LAND
- FUTURE AIRFIELD PAVEMENT
- AIRFIELD PAVEMENT DEMO
- MOVEMENT AREA
- NON-MOVEMENT AREA
- EXISTING PROPERTY LINE
- FUTURE PROPERTY LINE
- NOISE CONTOUR
- EXISTING RVZ
- FUTURE RVZ

RUNWAY 10-28 (150' x 5,600')

RUNWAY 6-24 (100' x 7,000')

RUNWAY 14-32 (150' x 8,800')

75 DNL

70 DNL

65 DNL

1" = 500

250 0 500

Graphic Scale in Feet

TRUE NORTH

Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION

AIRPORT LAYOUT PLAN

SHEET TITLE

ON-AIRPORT LAND USE

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE 1" = 500'	CONTR. NO.
DATE MARCH 2016	SHEET 22 of 23

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Ltscale: 0.6 Saved On: February 29, 2016 Plotted: 3/1/2016 9:58 AM

Sources:

1. County of Suffolk, NY, *2007 Town of Islip Existing Land Use Map.*
2. *NYSGIS Clearinghouse:* Town of Islip, Suffolk County, New York. *ISLIP Zoning Districts Data Set.*
3. Municipal Code of the Town of Islip, NY, Chapter 68, Section 11: Designation of Districts.
4. ESRI, 2010 United States Geological Survey, Tele Atlas North American Inc.

TOWN OF BROOKHAVEN
TOWN OF ISLIP

RUNWAY 6-24 (11834' x 7000')
RUNWAY 10-28 (150' x 5036')
75 DNL
70 DNL
65 DNL
PGN
PGN

OFF-AIPORT LAND USE LEGEND

- LOW DENSITY RESIDENTIAL
- MEDIUM DENSITY RESIDENTIAL
- HIGH DENSITY RESIDENTIAL
- COMMERCIAL
- INDUSTRIAL
- INSTITUTIONAL
- RECREATION AND OPEN SPACE
- VACANT
- UTILITIES
- WASTE MANAGEMENT
- XXX ZONING BOUNDARY
- EXISTING PROPERTY LINE
- FUTURE PROPERTY LINE
- NOISE CONTOUR
- 65Y2 EXISTING RVR
- 65Y2 FUTURE RVR
- GOVERNMENT FACILITY
- SCHOOL
- CHURCH
- CEMETERY

ZONING LEGEND

RESIDENTIAL
- A Residence A District
- AA Residence AA District
- AA278 Residence AA278 District
- AAA Residence AAA District
- B Residence B District
- B278 Residence B278 District
- CA Residence CA District
- CAA Residence CAA District
- C278 Residence C278 District

COMMERCIAL
- BD Business District
- BUS1 Business 1 District
- BUS3 Business 3 District

GENERAL SERVICE
- GD General Service District
- GSC General Service C District
- GSD General Service D District
- GSE General Service E District
- GSF General Service F District
- GST General Service Transitional District

INDUSTRIAL
- ICD Industrial Corridor District
- IND1 Industrial 1 District
- IND2 Industrial 2 District

1" = 500
250 0 500
Graphic Scale in Feet

TRUE NORTH
Declination 13.5° (November 2013)
Changing 0° 1.8' E. per year

Revision Description	Date	By

LONG ISLAND
MACARTHUR AIRPORT

JOB DESCRIPTION
AIRPORT LAYOUT PLAN

SHEET TITLE
OFF-AIRPORT LAND USE AND ZONING

DESIGNED	DRAWN	CHECKED	APPROVED
L&B	JKL	L&B	ISP

SCALE	CONTR. NO.
1" = 500'	
DATE	SHEET
MARCH 2016	23 of 23

L&B JKL

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