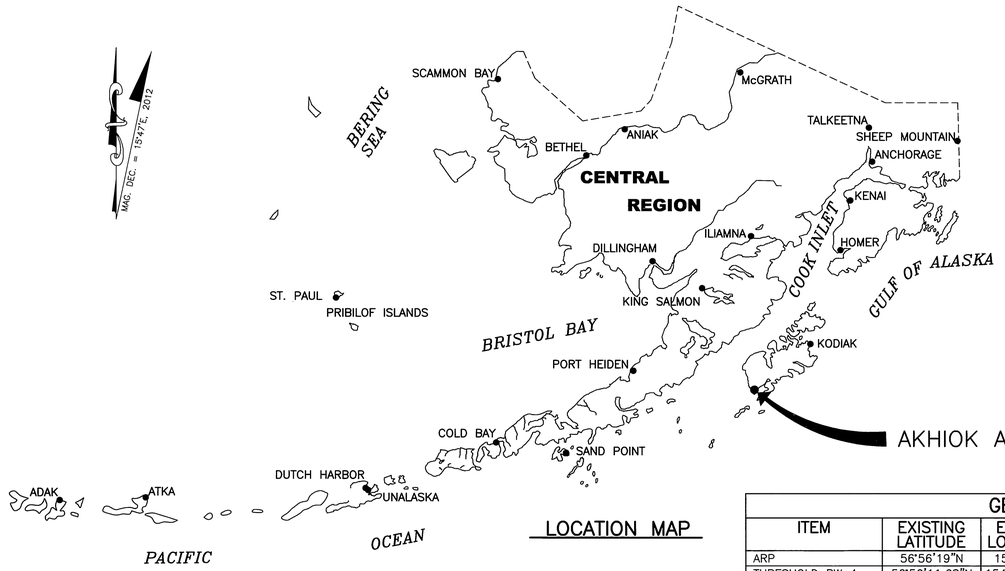
ATTACHMENT 1

CURRENT AIRPORT LAYOUT PLAN



LOCATION MAP

Designed By:	PWC
Drawn By:	RAR
Checked By:	

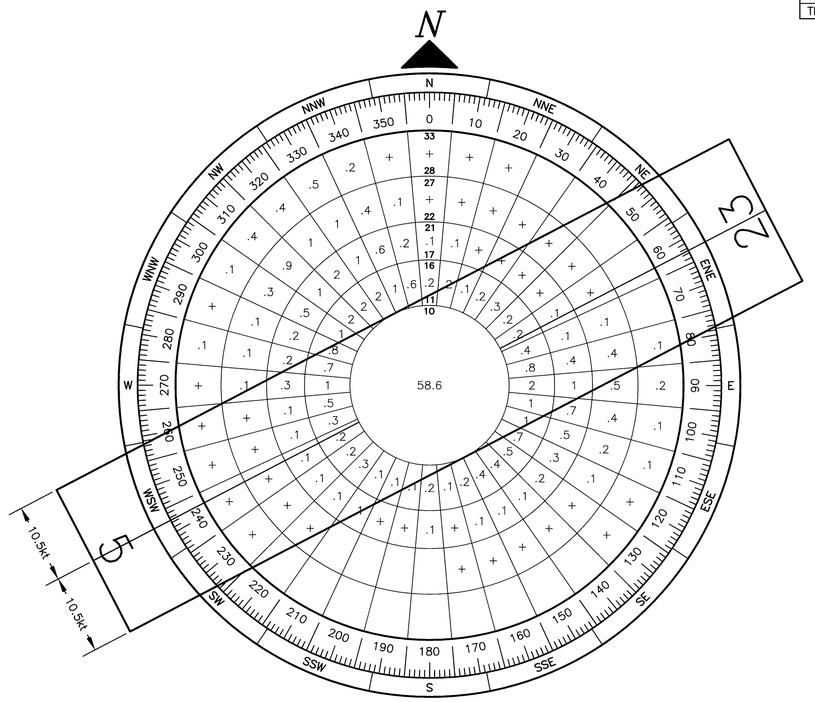
Date Plotted:	10/09/2013, 9:45 AM
Layout Name:	Data
File Name:	W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK-Data.dwg

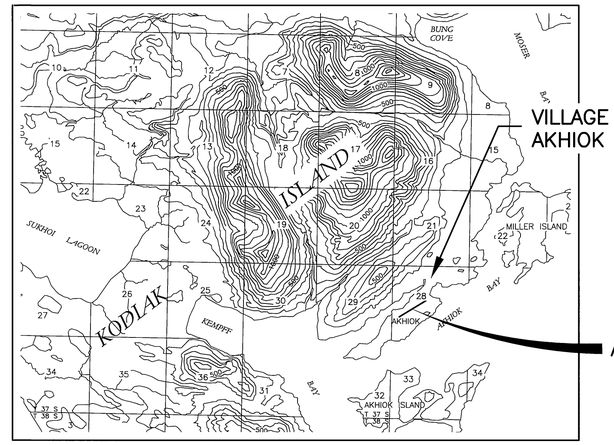
LEGEND

ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
AWOS		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE	BRL	BRL
FENCE	-X- -X- -X-	-X- -X- -X-
PAPI		
PROPERTY LINE		
REIL		
ROADWAYS		
ROTATING BEACON		
SEGMENTED CIRCLE		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS	100	100
TREE (LARGE SINGLE)		
TREELINE		
PAPI		
WIND CONE		

GEOGRAPHIC COORDINATES

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	NEAR–TERM LATITUDE	NEAR–TERM LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	56°56'19"N	154°10'59"W	56°56'19"N	154°10'58"W	56°56'19"N	154°10'57"W
THRESHOLD RW 4	56°56'11.68"N	154°11'23.69"W				
THRESHOLD RW 22	56°56'25.99"N	154°10'33.91"W				
THRESHOLD RW 5			56°56'11.80"N	154°11'23.29"W	56°56'11.80"N	154°11'23.29"W
THRESHOLD RW 23			56°56'26.10"N	154°10'33.51"W	56°56'26.92"N	154°10'30.63"W





VICINITY MAP

1 SM .5 SM 0 1 SM 2 SM

T 37 S, R 31 W, SEC. 28&29
SEWARD MERIDIAN
U.S.G.S. TRINITY ISLANDS (D–1), ALASKA

AIRPORT DATA

ITEM	EXISTING	NEAR–TERM	ULTIMATE
ICAO IDENTIFIER	PAKH	PAKH	PAKH
NATIONAL AIRPORT IDENTIFIER	AKK	AKK	AKK
FAA SITE NUMBER	50016.1*A	50016.1*A	50016.1*A
AIRPORT ELEVATION NAVD88	50	51	51
AIRPORT REFERENCE CODE	A I	B I	B I
MEAN MAX. TEMPERATURE, HOTTEST MONTH	59°F, JULY	59°F, JULY	59°F, JULY
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS, AWSS WIND CONE SEG. CIRCLE	GPS, AWSS ROTATING BEACON WIND CONE, SEG. CIRCLE	GPS, AWSS ROTATING BEACON WIND CONE, SEG. CIRCLE
OBSTRUCTION SURVEY SOURCE & TYPE	NONE	NVG	NVG
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	15°47'E (2012) –0°14' W/YEAR		

RUNWAY DATA

ITEM	EXISTING	NEAR–TERM	ULTIMATE
RUNWAY IDENTIFIER	4/22	5/23	5/23
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	UTILITY	UTILITY	UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	V/V	NPI/NPI	NPI/NPI
FAR PART 77 VISIBILITY MINIMUM	VIS	1 SM	1 SM
FAR PART 77 APPROACH SURFACES	20:1/20:1	20:1/20:1	20:1/20:1
CONTROLLING OBSTRUCTION CLEARANCE SLOPE	N/A / 20:1	N/A / 20:1	N/A / 20:1
RUNWAY SURFACE	GRAVEL	GRAVEL	GRAVEL
AIRPLANE GEAR CONFIG/PAVE STRENGTH x1000lbs	N/A	N/A	N/A
RUNWAY REFERENCE CODE OR DESIGN CODE	A/I/VIS (RRC)	B/I/4000 (RRC)	B/I/4000 (RDC)
DESIGN AIRCRAFT OVER 60,000 lbs	NO	NO	NO
APPROACH PROCEDURE CAT (V,NPA,APV–NP,APV–P,PA)	V	NPA	NPA
APPROACH PROCEDURE DESIGN STANDARDS	N/A	≥3/4	≥3/4
APPROACH SITING SURFACE SLOPE	20:1/20:1	20:1/20:1	20:1/20:1
MEAN GEODETIC BEARING	N62.27°E	N62.27°E	N62.27°E
MAXIMUM ELEVATION NADV88	50.2	51.4	51.4
TOUCHDOWN ZONE ELEVATION NAVD88 (ESTIMATED)	50.2/50.2	51.4/51.4	51.4/51.4
EFFECTIVE GRADE	0.15 %	0.16 %	0.19 %
RUNWAY DIMENSIONS	50x3120	60x3120	60x3300
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120x3600	120x3600	120x3780
LENGTH BEYOND R/W END	240/240	240/240	240/240
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	250x3600	250x3600	250x3780
LENGTH BEYOND R/W END OR STOPWAY	240/240	240/240	240/240
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	250x450x1000	250x450x1000	250x450x1000
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	250x3520	250x3520	250x3700
INNER APPROACH OBSTACLE FREE ZONE (OFZ) DIMENSIONS	N/A	N/A	N/A
PRECISION OBSTACLE FREE ZONE (POFZ) DIMS	N/A	N/A	N/A
RUNWAY LIGHTING	NONE	MIRL	MIRL
RUNWAY MARKING TYPE	NONE	NONE	NONE
RUNWAY VISUAL AIDS	SUPP. WIND CONE	PAPI, REIL, GPS, SUPP. WIND CONE	PAPI, REIL, GPS, SUPP. WIND CONE

NOTE: DRAWING UNITS ARE IN FEET UNLESS OTHERWISE SPECIFIED.

TAXIWAY DATA TABLE

ITEM	EXISTING "A"	NEAR–TERM "A"	ULTIMATE "B"
TAXIWAY DESIGN GROUP	I	I	I
TAXIWAY SURFACE	GRAVEL	GRAVEL	GRAVEL
WIDTH x LENGTH	25 x 150	25 x 150	25 x 406
SHOULDER WIDTH	10	10	10
SEPARATION FROM PARALLEL RUNWAY	N/A	N/A	N/A
SAFETY AREA (TSA) WIDTH	49	49	49
OBJECT FREE AREA (TOFA) WIDTH	89	89	89
TAXIWAY LIGHTING	NONE	MITL	MITL
TAXIWAY MARKING	NONE	NONE	NONE

WIND DATA TABLE

RUNWAY	10.5 kt	13 kt	16 kt	20 kt
5/23	72.38%			

SOURCE: ADOT&PF AGREEMENT P62143 WITH HDL, LLC. 8/17/06

PERIOD: 11/25/06 – 12/17/08

NOTES: RUNWAY ORIENTATION DETERMINED BY LIMITATIONS OF TERRAIN, (AC 150/5070–6B SUBSECTION 805 b.2).

DRAWING INDEX

SHT #	TITLE
1	DATA
2	EXISTING LAYOUT
2A	NEAR–TERM LAYOUT
3	ULTIMATE LAYOUT
4	EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 22
4A	NEAR–TERM INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23
5	EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 4
5A	NEAR–TERM INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5
6	ULTIMATE INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23
7	ULTIMATE INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5
8	AIRPORT AIRSPACE, 14 CFR, PART 77
9	AIRPORT PROPERTY MAP

BY	DATE	REVISION

APPROVED: DATE: 10-16-2013

KENNETH M. MORTON, P.E. PRECONSTRUCTION ENGINEER

RECOMMENDED: DATE:

WOLFGANG E. JUNGE, P.E. 10-16-13 DESIGN SECTION CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 12/4/13

FAA AIRSPACE REVIEW NUMBER: 2012-AAL-174-NRA

DATE: 12/4/13

FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

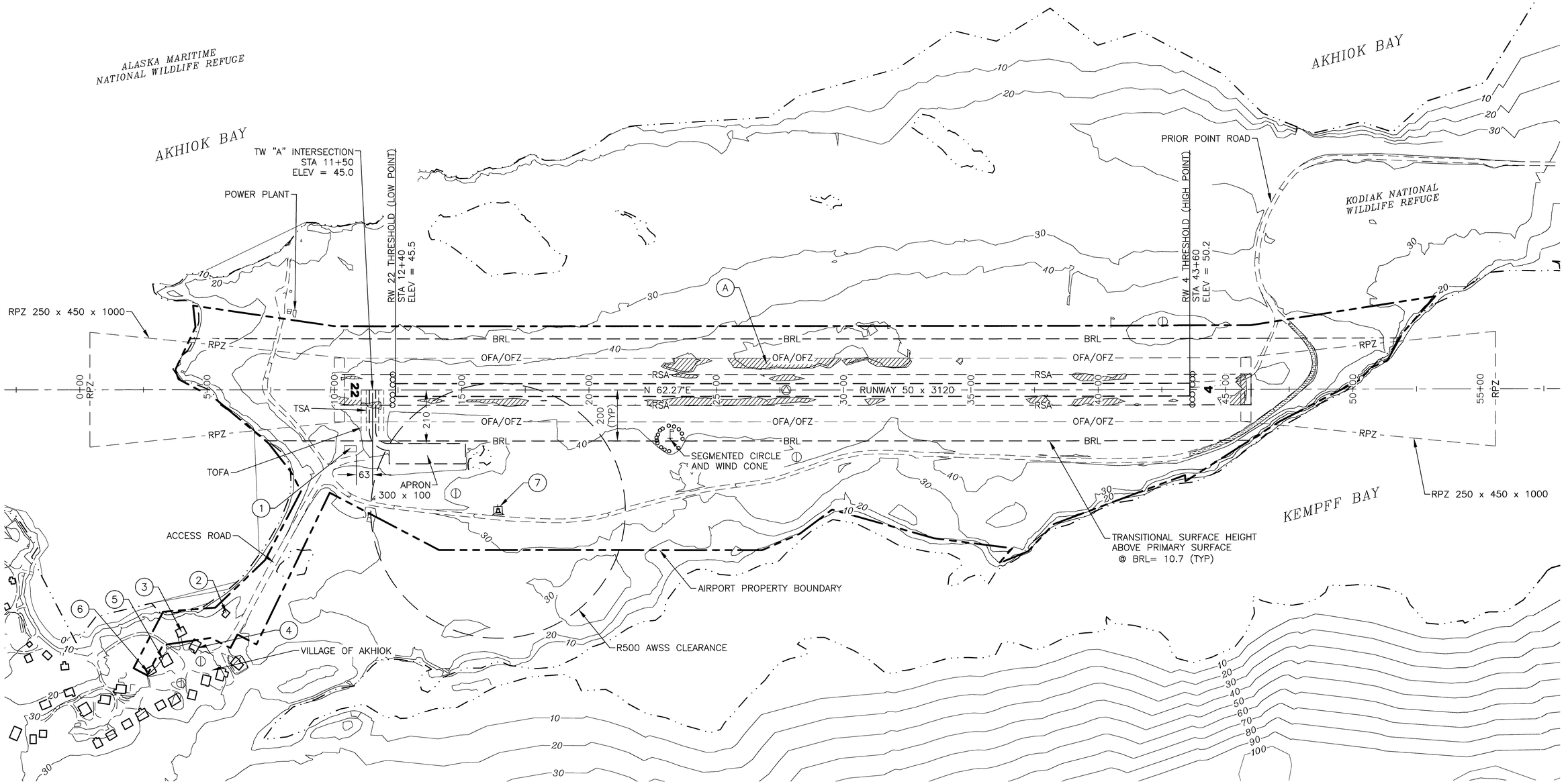
AKHIOK AIRPORT

AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

DATA

DATE: 10/09/2013

SHEET: 1 OF 9



BUILDING DATA TABLE				
ID #	DESCRIPTION	STATION/ OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
1	SRE BUILDING (TO BE REMOVED)	10+86 218R	57.0 EST	NONE
2	SHED	5+73 860R	35.0 EST	NONE
3	RESIDENCE	4+04 932R	42.0 EST	NONE
4	RESIDENCE	4+50 981R	42.0 EST	NONE
5	RESIDENCE	3+45 1033R	45.0 EST	NONE
6	RESIDENCE	2+87 1080R	45.0 EST	NONE
7	AWSS	16+38 466R	66.0 EST	LIGHT

OFZ PENETRATIONS		
ID #	DESCRIPTION	DISPOSITION
Ⓐ	GROUND 0'–1.0' ABOVE RUNWAY ELEVATION	REMOVE

LEGEND

OFZ PENETRATIONS

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING LAYOUT

DATE: 10/21/2013

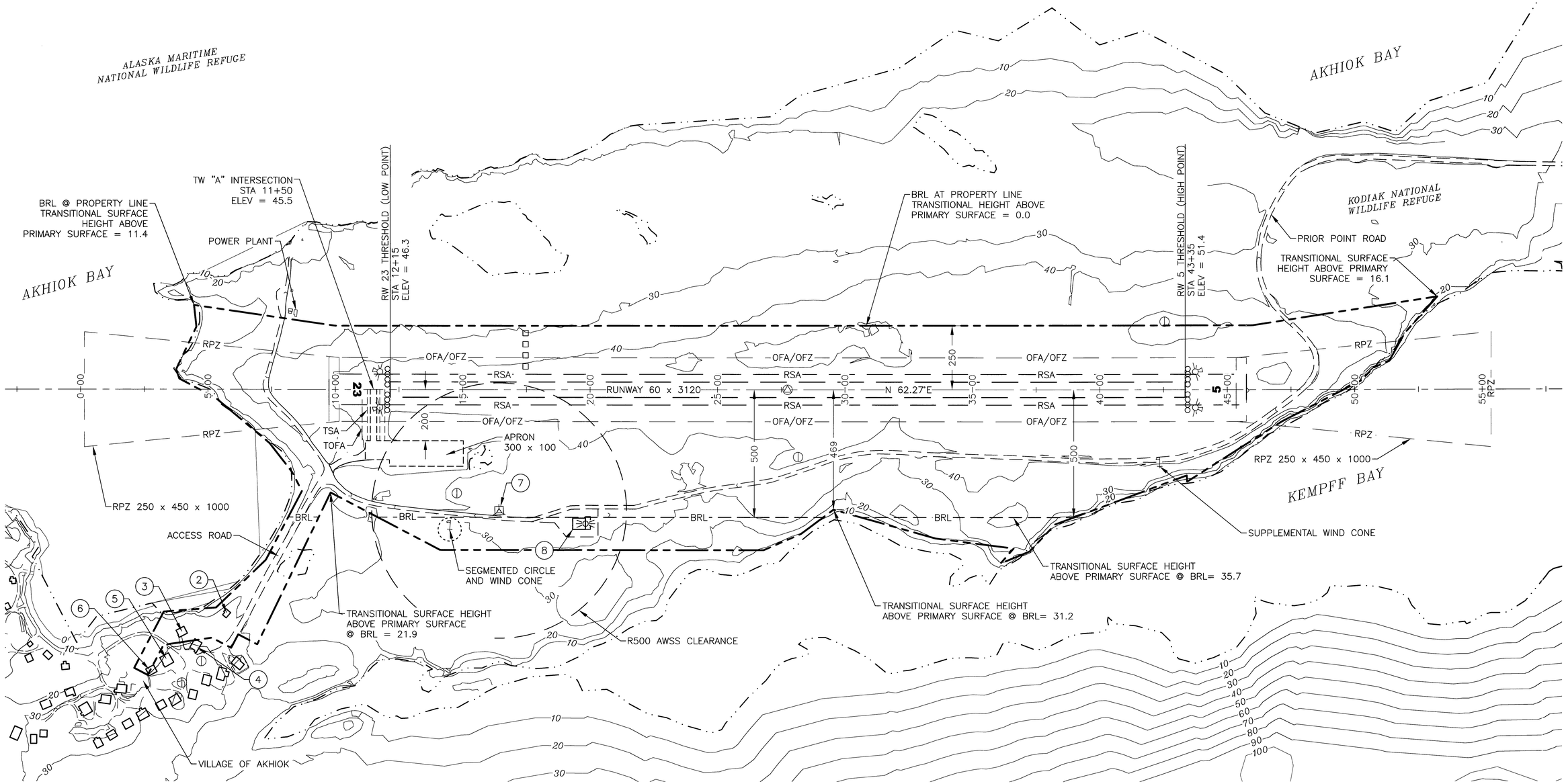
SHEET: 2 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/21/2013 - 8:03 AM
Layout Name: Existing Layout
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/21/2013, 8:30 AM
Layout Name: Near-Term Layout
File Name: W:\Projects\Akhiok\ALPVF.mxl Drawings\ALP-AKK.dwg



BUILDING DATA TABLE

ID #	DESCRIPTION	STATION/ OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
2	SHED	5+73 860R	35.0 EST	NONE
3	RESIDENCE	4+04 932R	42.0 EST	NONE
4	RESIDENCE	4+50 981R	42.0 EST	NONE
5	RESIDENCE	3+45 1033R	45.0 EST	NONE
6	RESIDENCE	2+87 1080R	45.0 EST	NONE
7	AWSS	16+38 466R	66.0 EST	LIGHT
8	SRE BUILDING	19+32 503R	66.0	NONE

NOTE: NO OFZ OBJECT PENETRATIONS.

200 100 0' 200 400

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

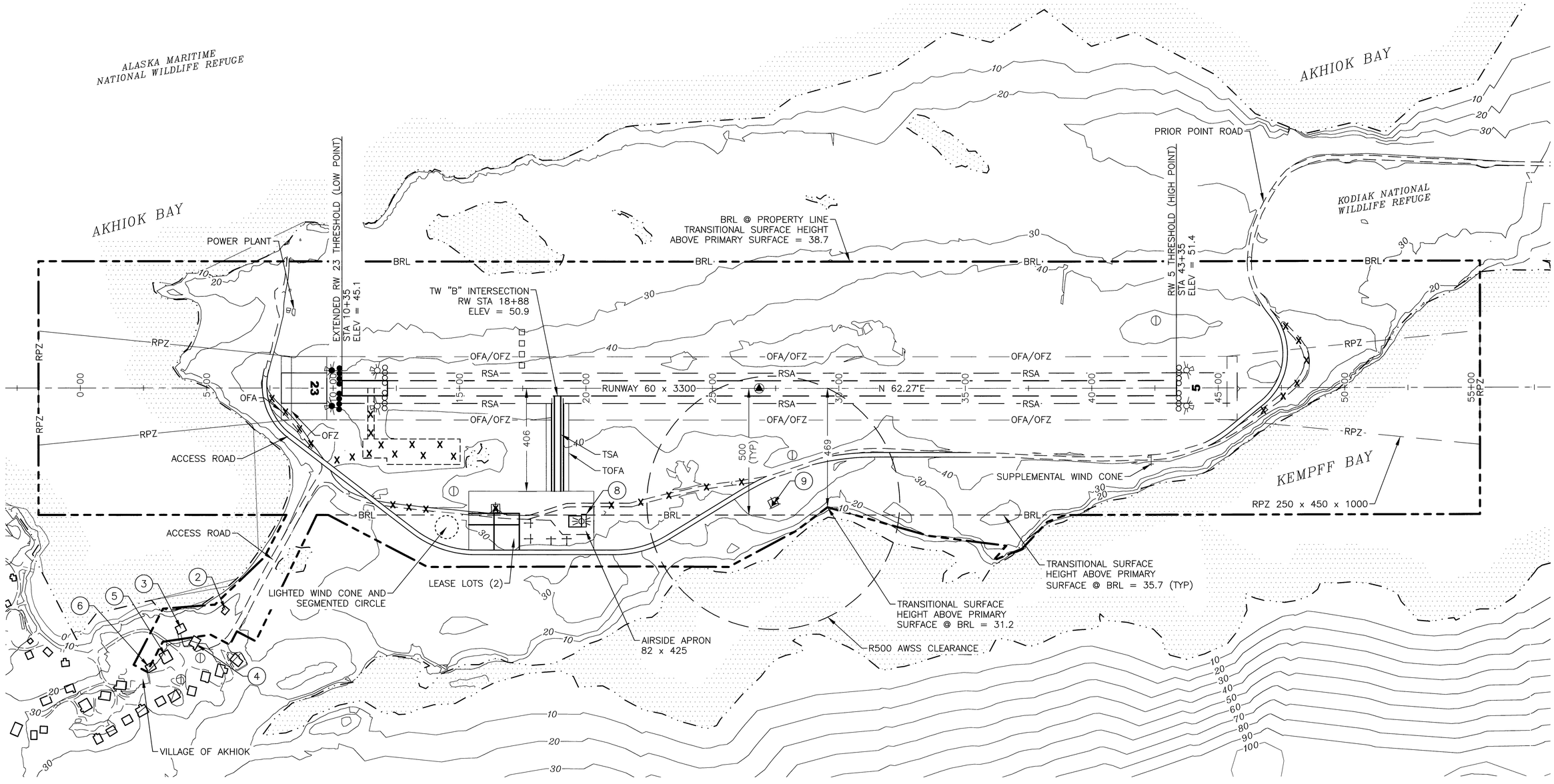
BY	DATE	REVISION

AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

NEAR-TERM LAYOUT

DATE: 10/21/2013

SHEET: 2A OF 9



BUILDING DATA TABLE				
ID #	DESCRIPTION	STATION/ OFFSET	TOP ELEV (MSL)	OBSTRUCT MARKING
2	SHED	5+73 860R	35.0 EST	NONE
3	RESIDENCE	4+04 932R	42.0 EST	NONE
4	RESIDENCE	4+50 981R	42.0 EST	NONE
5	RESIDENCE	3+45 1033R	45.0 EST	NONE
6	RESIDENCE	2+87 1080R	45.0 EST	NONE
8	SRE BUILDING	19+32 503R	66.0	NONE
9	AWSS	27+54 448R	66.0 EST	LIGHT

NOTE: NO OFZ OBJECT PENETRATIONS.

MAG. DEC. = 15.4°E, 2013

200' 100' 0 200' 400'

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

BY	DATE	REVISION

AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

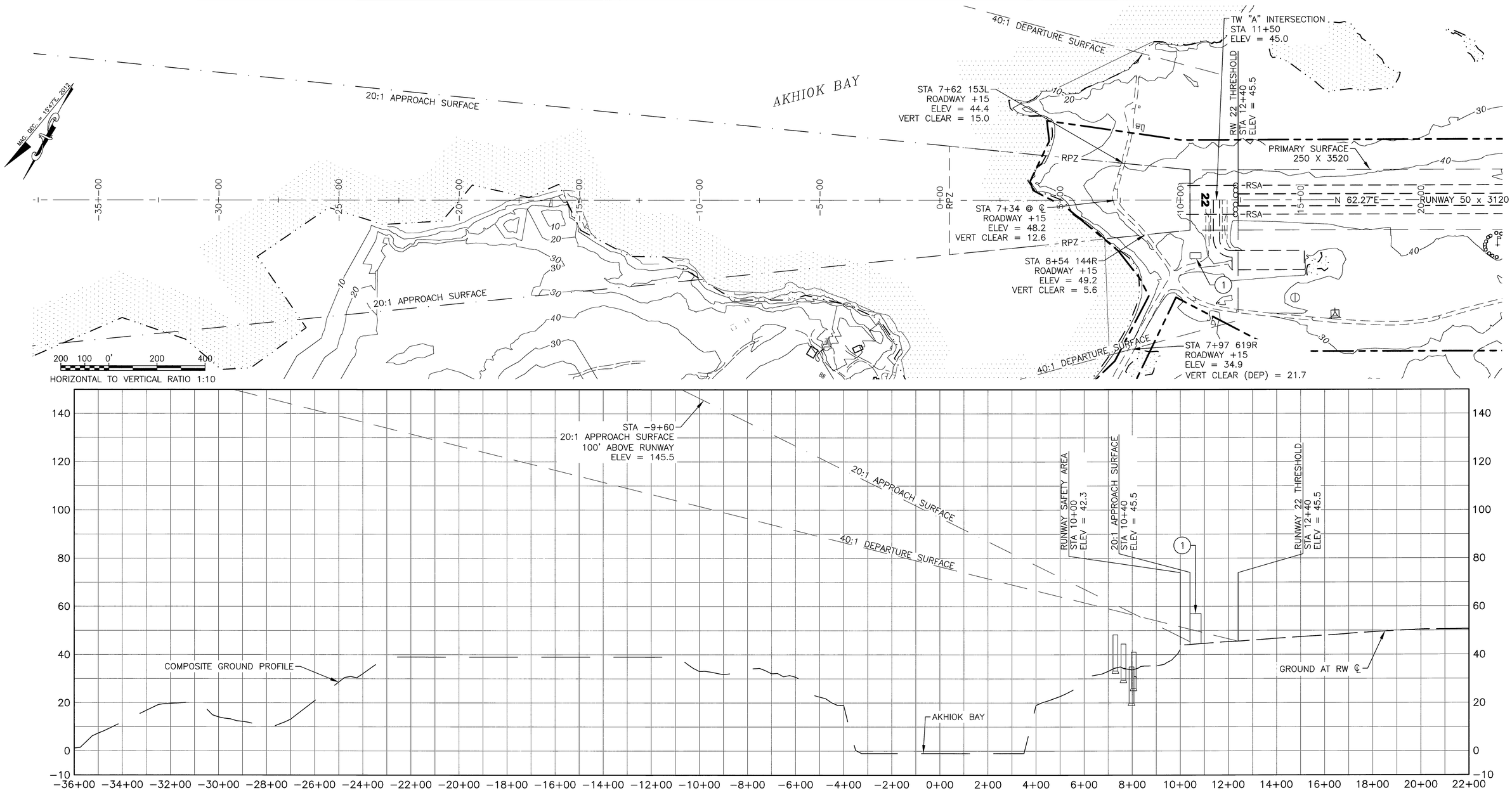
ULTIMATE LAYOUT

DATE: 10/09/2013

SHEET: 3 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013, 12:50 PM
Layout Name: Ultimate Layout
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg



PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 22)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
	NONE							

40:1 DEPARTURE SURFACE PENETRATIONS (RW 4)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
①	SREB	10+86/218R	57.0 (EST)	DEPARTURE	49.4	7.6	REMOVE	NEAR−TERM

NOTES:

1. THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 22. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 20:1 PER AC 150/5200−35A, CHAPTER 4, DATA ELEMENT 57.
2. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS. THRESHOLD SITING CRITERIA IS BASED ON VISUAL APPROACH FOR SMALL AIRPLANES WITH ≥ 50 KNOT APPROACH SPEEDS, AS DEFINED IN AC 150/5300−13A, TABLE 3−2, LINE 2.
3. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.
4. DEPARTURE SURFACE AS DEFINED BY AC 150/5300−13A, TABLE 3−2, LINE 9.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

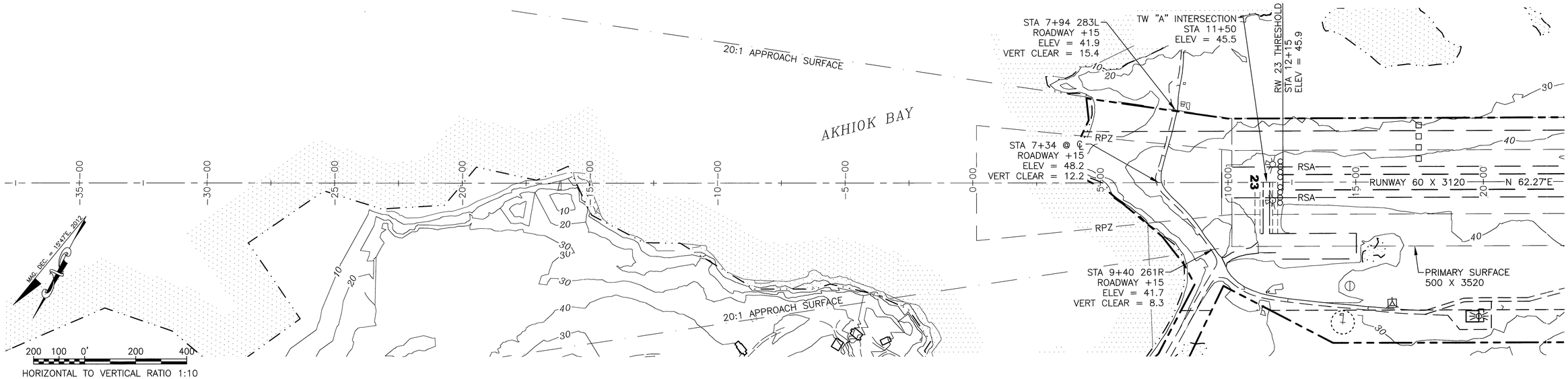
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

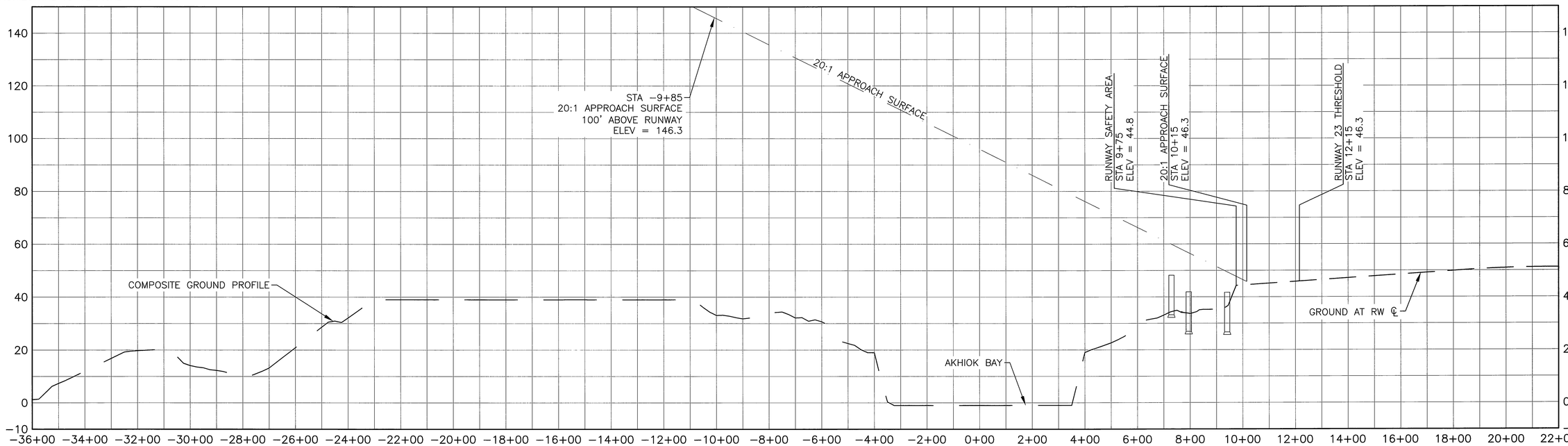
EXISTING INNER PORTION OF THE APPROACH SURFACE − RUNWAY 22

DATE: 10/09/2013
SHEET: 4 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013 - 9:58 AM
Layout Name: Existing Inner - RW 22
File Name: W:\Projects\Akhiok\ALP\Finel Drawings\ALP-AKK.dwg





PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 23)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
	NONE							

NOTES:

1. THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 23. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 20:1 PER AC 150/5200−35A, CHAPTER 4, DATA ELEMENT 57.
2. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS. THRESHOLD SITING CRITERIA IS BASED ON INSTRUMENT NIGHT OPERATIONS, APPROACH CATEGORY, A&B AIRCRAFT ONLY, AS DEFINED IN AC 150/5300−13A, TABLE 3−2, LINE 4.
3. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.
4. NO DEPARTURE SURFACE PENETRATIONS.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

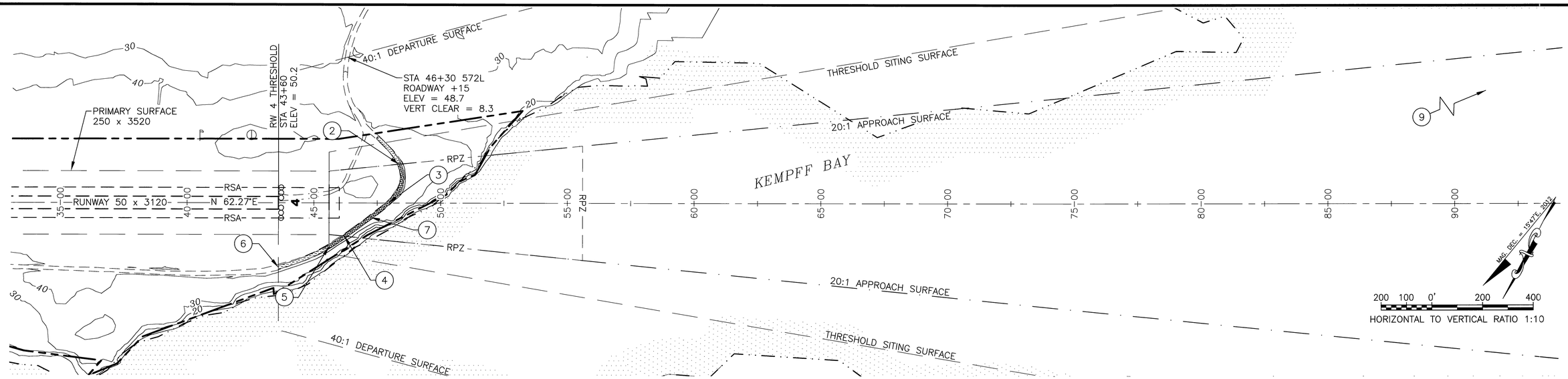
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

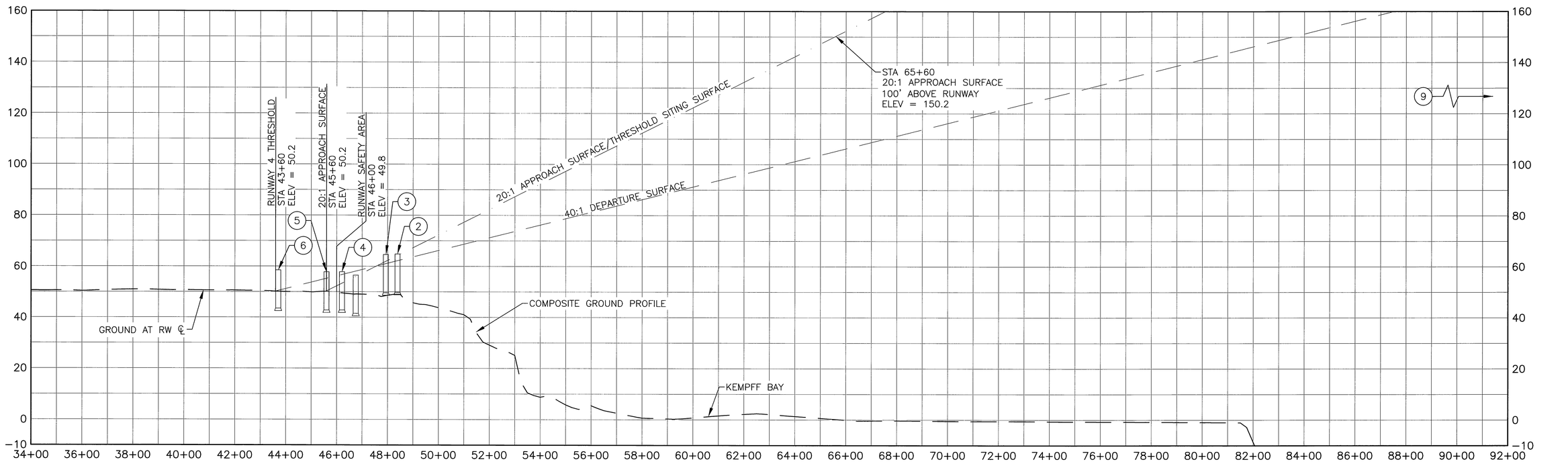
NEAR-TERM INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23

DATE: 10/09/2013
SHEET: 4.A OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013, 10:00 AM
Layout Name: Near-Term Inner - RW 23
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg





20:1 THRESHOLD SITING SURFACE PENETRATIONS (RW 4)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
⑤	ROAD	45+60/172R	57.8	20:1	50.2	7.6	REMOVE	ULTIMATE

40:1 DEPARTURE SURFACE PENETRATIONS (RW 22)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
⑥	ROAD	43+60/254R 47+50/259L	65.7 MAX	DEPARTURE	50.2 MIN	8.3 MAX	REMOVE	ULTIMATE
⑨	TERRAIN	144+53/3041L	500 MAX	DEPARTURE	302.5	197.5 MAX	TO REMAIN	

PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 4)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
②	ROAD	48+37/153L	62.8	APPROACH	64.0	2.8	REMOVE	ULTIMATE
③	ROAD	47+93/@ ℄	64.6	APPROACH	61.8	2.8	REMOVE	ULTIMATE
④	ROAD	46+23/131R	57.7	APPROACH	53.3	4.4	REMOVE	ULTIMATE
⑦	ROAD	45+46/180R TO 48+34/158L	65.7 MAX	APPROACH/ TRANS	58.0 MIN	4.5 MAX	REMOVE	ULTIMATE

NOTES:

1. THE CONTROLLING OBSTRUCTION FOR THE APPROACH TO RUNWAY 4 IS A ROADWAY AT STA 45+60 172R. ELEVATION INCLUDING 15' VEHICLE IS 57.8. THE OBSTRUCTION CLEARANCE SLOPE CANNOT BE ESTABLISHED PER AC 150/5200-35A, CHAPTER 4, DATA ELEMENT 57.
2. THRESHOLD SITING CRITERIA IS BASED ON VISUAL APPROACH FOR SMALL AIRPLANES WITH ≥ 50 KNOTS APPROACH SPEEDS, AS DEFINED IN AC 150/5300-13A, TABLE 3-2, LINE 2.
3. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.
4. DEPARTURE SURFACE AS DEFINED BY AC 150/5300-13A, TABLE 3-2, LINE 9.

LEGEND

- PART 77 SURFACE OBSTRUCTIONS
- DEPARTURE SURFACE PENETRATIONS

BY	DATE	REVISION

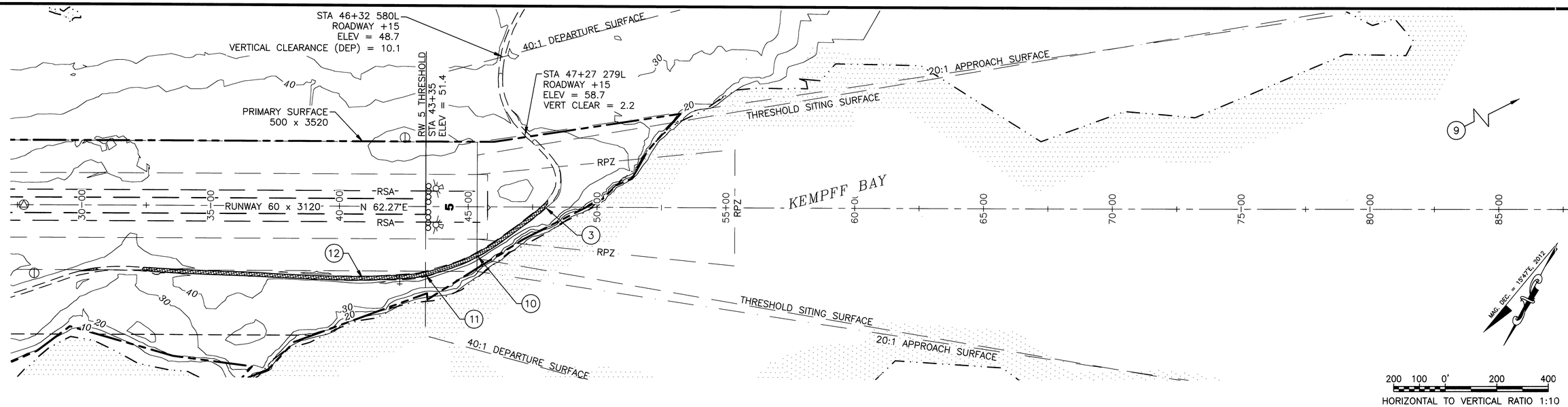
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

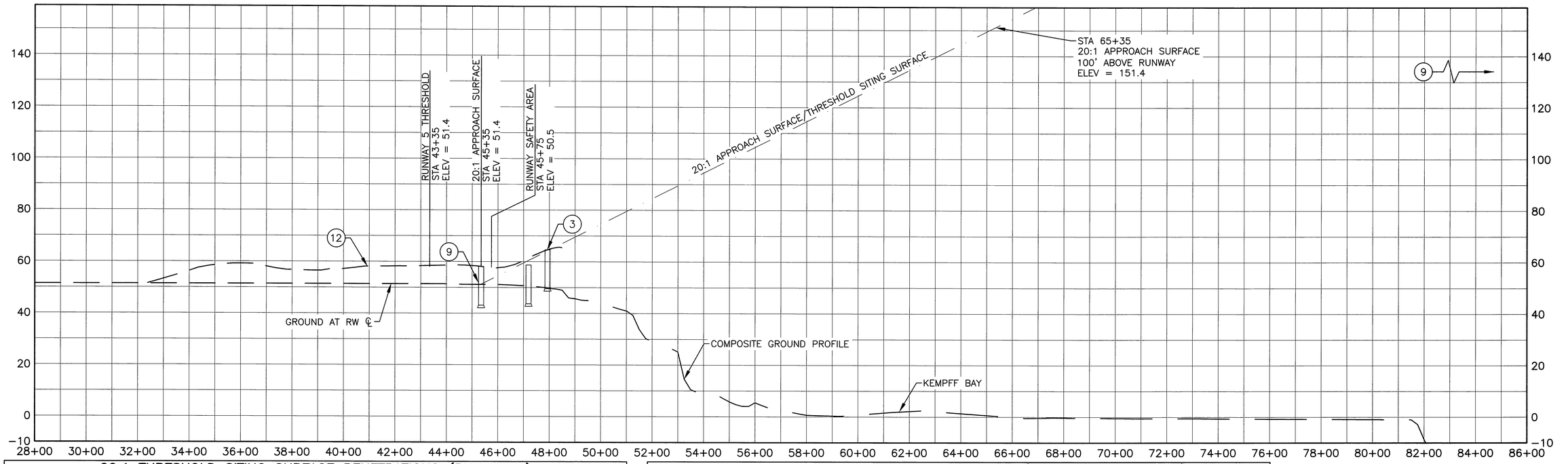
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 4

DATE: 10/09/2013
SHEET: 5 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:
Date Plotted: 10/09/2013 - 9:59 AM
Layout Name: Existing Inner - RW 4
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg





20:1 THRESHOLD SITING SURFACE PENETRATIONS (RUNWAY 5)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(3)	ROAD	47+93 @ CL	64.6	APPROACH	64.3	0.3	REMOVE	ULTIMATE
(10)	ROAD	45+35/186R	58.1	PRIM/APPROACH	51.4	6.7	REMOVE	ULTIMATE

40:1 DEPARTURE SURFACE PENETRATIONS (RW 23)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(3)	ROAD	47+93 @ CL	64.6	DEPARTURE	62.7	1.9	REMOVE	ULTIMATE
(9)	TERRAIN	144+53/3041L	500.0	DEPARTURE	304.4	195.7	TO REMAIN	
(10)	ROAD	45+35/186R	58.1	DEPARTURE	56.4	1.7	REMOVE	ULTIMATE
(11)	ROAD	43+35/261R	58.4	DEPARTURE	51.4	7.0	REMOVE	ULTIMATE

PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 5)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(3)	ROAD	47+93 @ CL	64.6	APPROACH	64.3	0.3	REMOVE	ULTIMATE
(10)	ROAD	43+55/186R	58.1	PRIM/APPROACH	51.4	6.7	REMOVE	ULTIMATE
(12)	ROAD	29+91/255R TO 48+08/25L	58.1	TRADITIONAL/ PRIM/APPROACH	51.4 MIN	7.3 MAX	REMOVE	ULTIMATE

NOTES:
1. THE CONTROLLING OBSTRUCTION FOR RUNWAY 5 IS A ROADWAY AT STA 45+35/186R WITH MAX ELEVATION 65.7. THE OBSTRUCTION CLEARANCE SLOPE CANNOT BE ESTABLISHED PER AC 150/5300-35A, CHAPTER 4, DATA ELEMENT 57.
2. THRESHOLD SITING CRITERIA IS BASED ON INSTRUMENT NIGHT OPERATIONS, APPROACH CATEGORY A & B AIRCRAFT ONLY, AS DEFINED IN AC 150/5300-13A, TABLE 3-2, LINE 4.
3. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.
4. DEPARTURE SURFACE AS DEFINED BY AC 150/5300-13A, TABLE 3-2, LINE 9.

LEGEND

PART 77 SURFACE OBSTRUCTIONS

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

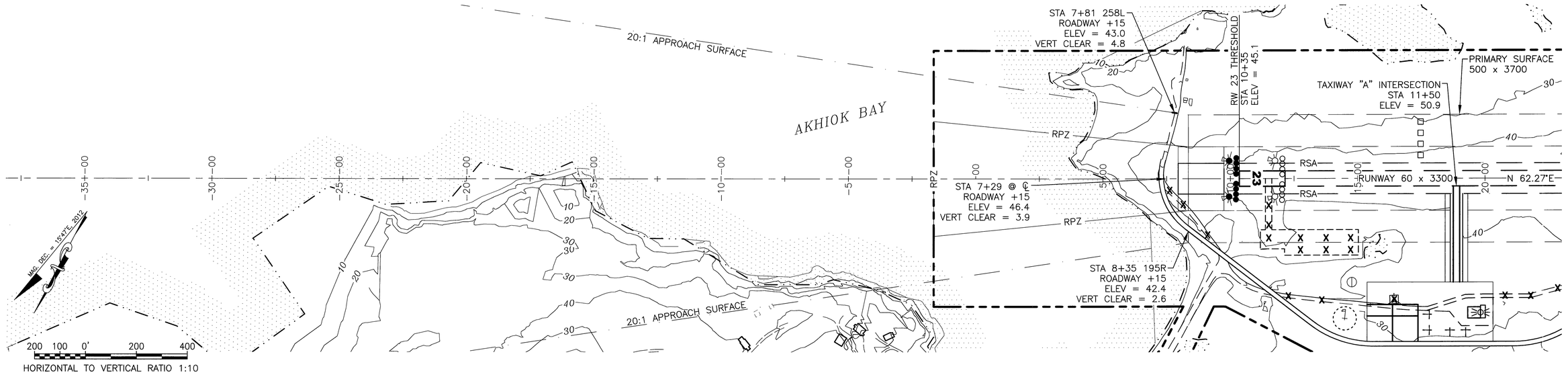
NEAR-TERM INNER PORTION OF THE APPROACH SURFACE - RUNWAY 5

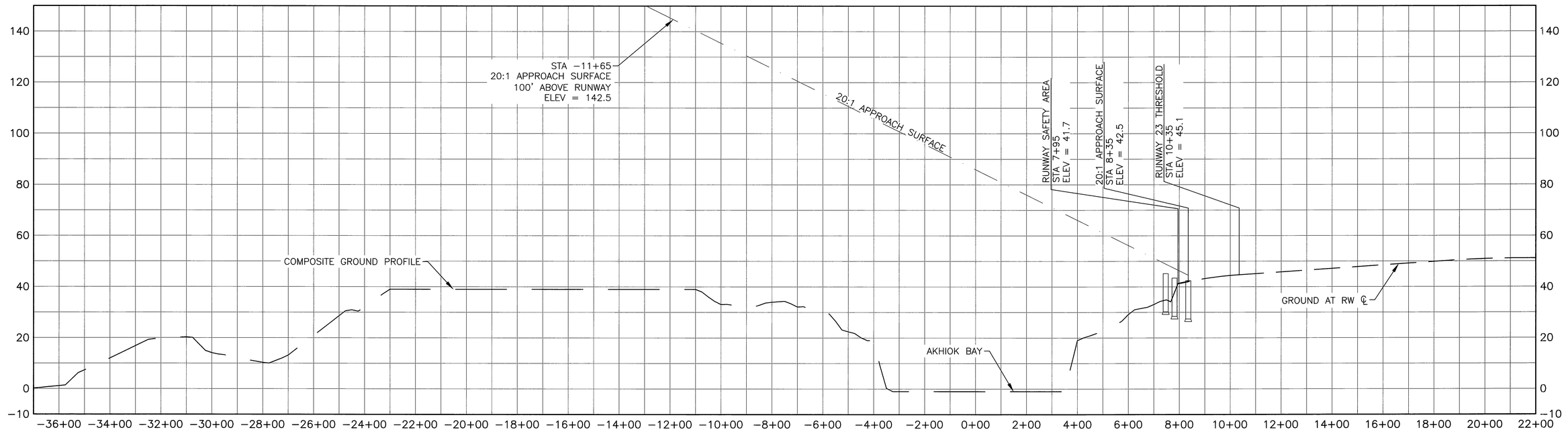
DATE: 10/21/2013

SHEET: 5A OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/21/2013, 8:13 AM
Layout Name: Near-Term Inner - RW 5
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg





PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 23)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
	NONE							

NOTES:

1. THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 23. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 20:1 PER AC 150/5200−35A, CHAPTER 4, DATA ELEMENT 57.
2. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS. THRESHOLD SITING CRITERIA IS BASED ON INSTRUMENT NIGHT OPERATIONS, APPROACH CATEGORY A & B AIRCRAFT ONLY, AS DEFINED IN AC 150/5300−13A, TABLE 3−2, LINE 4.
3. NO DEPARTURE SURFACE PENETRATIONS.
4. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

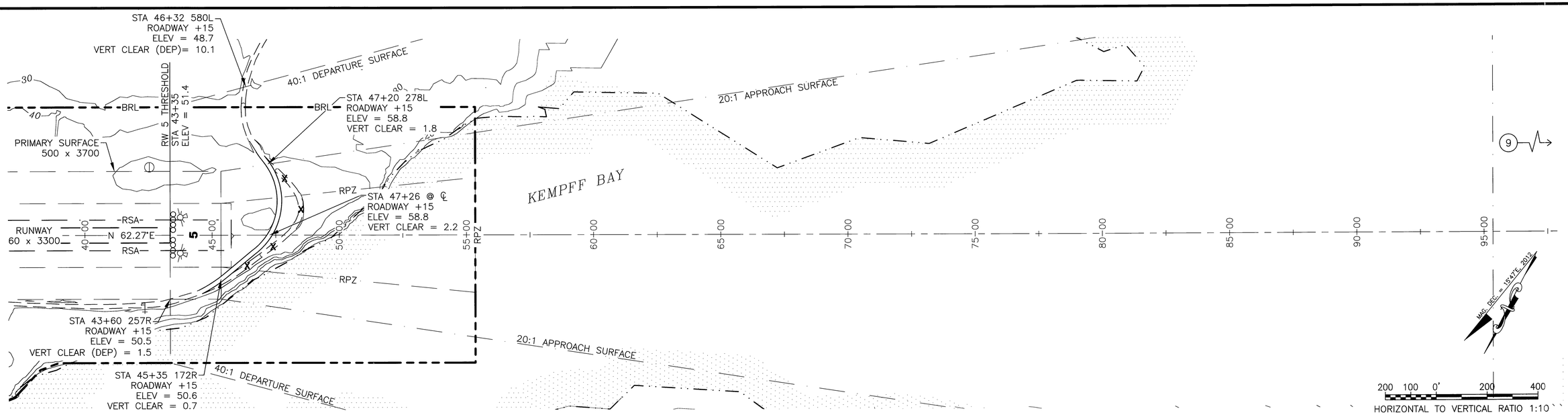
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

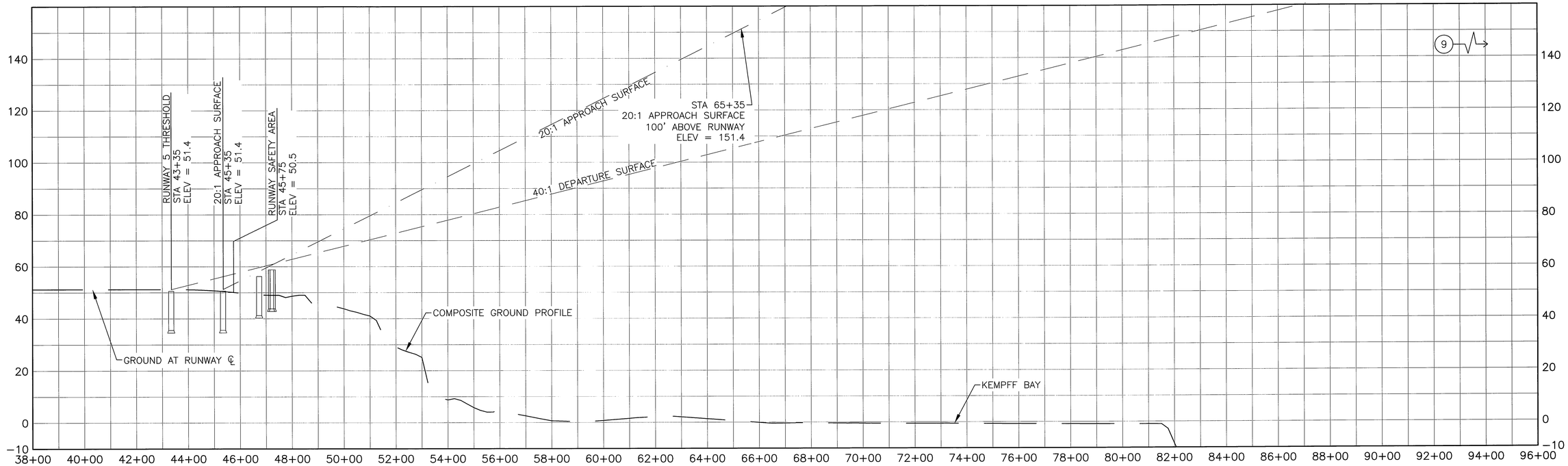
ULTIMATE INNER PORTION OF
THE APPROACH SURFACE - RUNWAY 23

DATE: 10/09/2013
SHEET: 6 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013, 12:50 PM
Layout Name: Ultimate Inner - RW 23
File Name: W:\Projects\Akhiok\ALP\F.inol Drawings\ALP-AKK.dwg





PART 77 SURFACE OBSTRUCTIONS TABLE (INNER PORTION RW 5)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
	NONE							

40:1 DEPARTURE SURFACE PENETRATIONS (RW 23)

ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(9)	TERRAIN	144+53/3041L	500.0 MAX	DEPARTURE	304.4	195.7	TO REMAIN	

NOTES:

1. THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 5. THE OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 20:1 PER AC 150/5200-35A, CHAPTER 4, DATA ELEMENT 57.
2. THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS. THRESHOLD SITING CRITERIA IS BASED ON INSTRUMENT NIGHT OPERATIONS, APPROACH CATEGORY, A&B AIRCRAFT ONLY, AS DEFINED IN AC 150/5300-13A, TABLE 3-2, LINE 4.
3. DEPARTURE SURFACE AS DEFINED BY AC 150/5300-13A, TABLE 3-2, LINE 9.
4. REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER APPROACH SURFACES.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

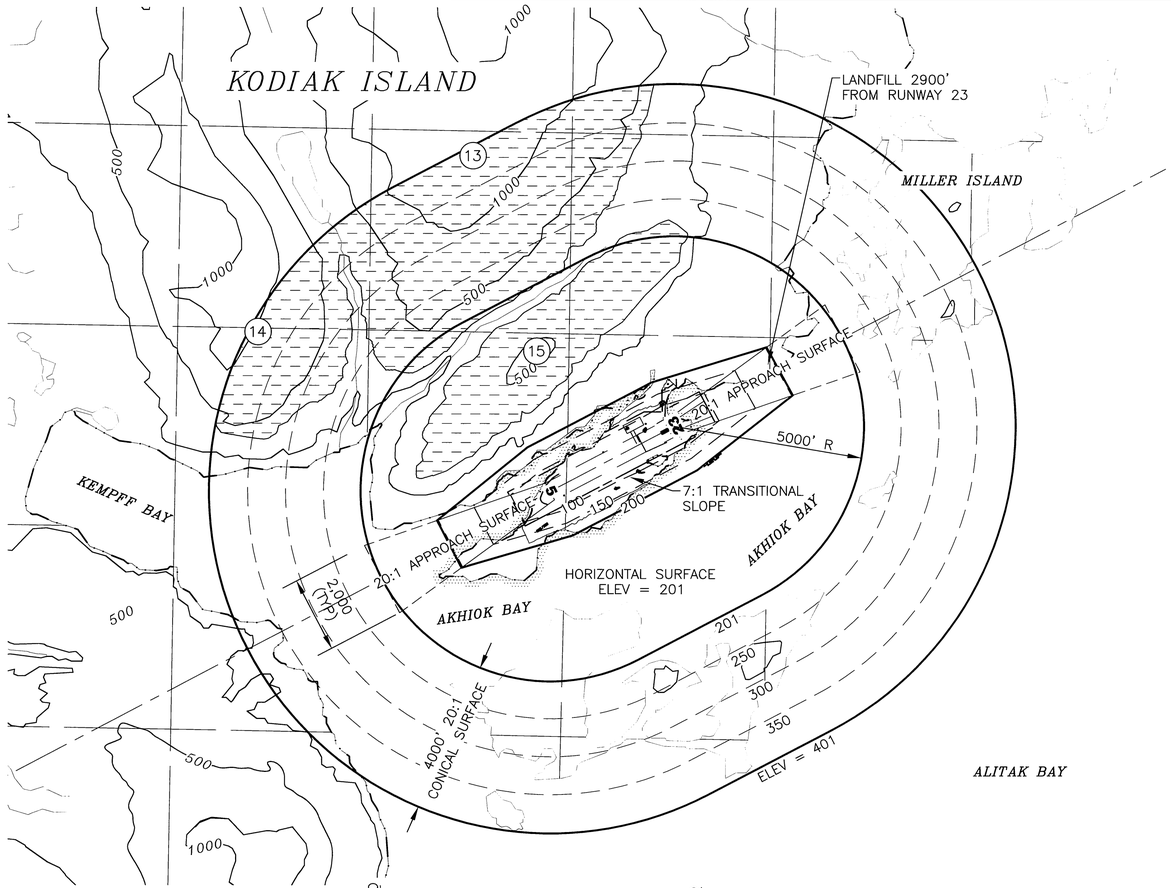
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE INNER PORTION OF THE APPROACH SURFACE - RUNWAY 5

DATE: 10/09/2013
SHEET: 7 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013 - 10:02 AM
Layout Name: Ultimate Inner - RW 5
File Name: W:\PW-Projects\Akhiok\ALP\F.inol Drawings\ALP-AKK.dwg



PART 77 SURFACE OBSTRUCTIONS TABLE (OUTER PORTION RW 5/23)								
ID #	DESCRIPTION	STATION/ OFFSET	ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO CORRECT
(13)	HIGHEST TERRAIN POINT*	20+25/ 9000 RT	1626**	CONICAL	260	1328	TO REMAIN	N/A
(14)	HIGHEST TERRAIN POINT*	98+48/ 7271.23 RT	1046**	CONICAL	206	1631	TO REMAIN	N/A
(15)	HIGHEST TERRAIN POINT*	31+18/ 3548.34 LT	554***	HORIZONTAL	201	344	TO REMAIN	N/A

* HIGHEST FEATURE IN A LARGE AREA OF TERRAIN PENETRATION. REFER TO HATCHED AREAS ON MAP.
** USGS QUAD MAP ELEVATION.
*** AK DOT&PF FEB. 2007 SURVEY ELEVATION.

2000 1000 0' 2000 4000

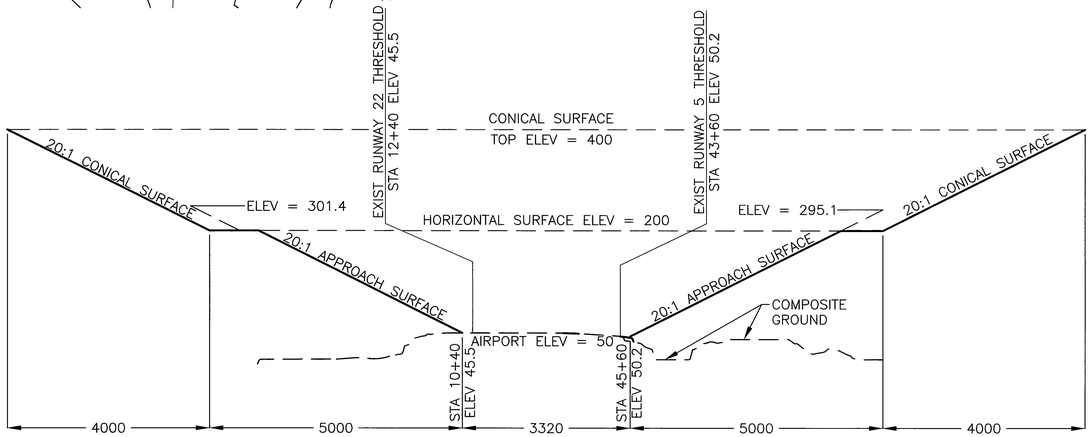
LEGEND

FAR PART 77 SURFACE PENETRATIONS

MAG. DEC. = 15°7'E. 2012

NOTES:

1. AIRPORT ELEVATION IS 51'.
2. APPROACH SURFACES ARE 20:1 BEGINNING AT 200' FROM THE THRESHOLDS.
3. BASEMAP DATA FROM USGS QUAD TRINITY ISLAND (D-1). TOPO CONTOURS SHOWN IN FEET.
4. WIDTH OF PRIMARY SURFACE IS 500'.
5. REFER TO THE INNER PORTION OF THE APPROACH SURFACE DRAWINGS FOR CLOSE IN OBSTRUCTIONS.
6. THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
7. PART 77 SURFACES BASED ON ULTIMATE AIRPORT LAYOUT.

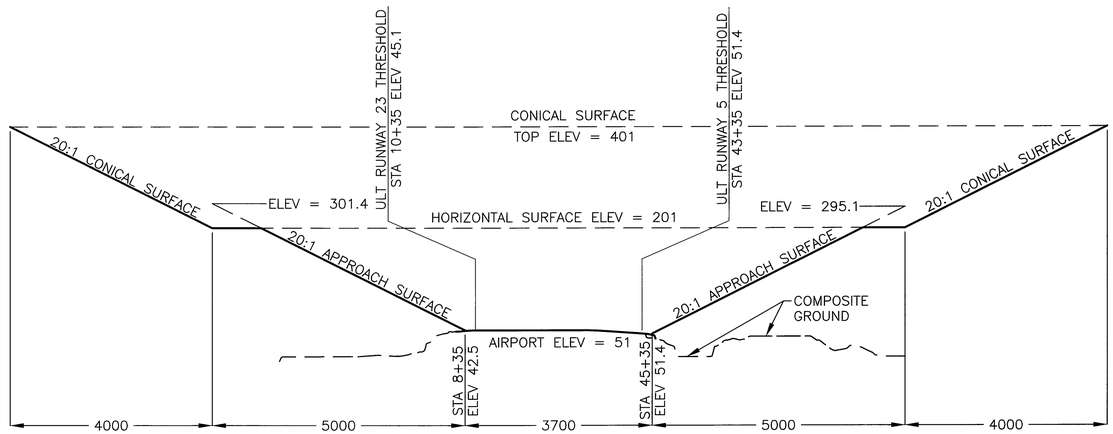


EXISTING RUNWAY PROFILE

*OBSTRUCTIONS NOT SHOWN TO SCALE

1500 750 0' 1500 3000

HORIZONTAL TO VERTICAL RATIO 1:10



ULTIMATE RUNWAY PROFILE

*OBSTRUCTIONS NOT SHOWN TO SCALE

1500 750 0' 1500 3000

HORIZONTAL TO VERTICAL RATIO 1:10

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

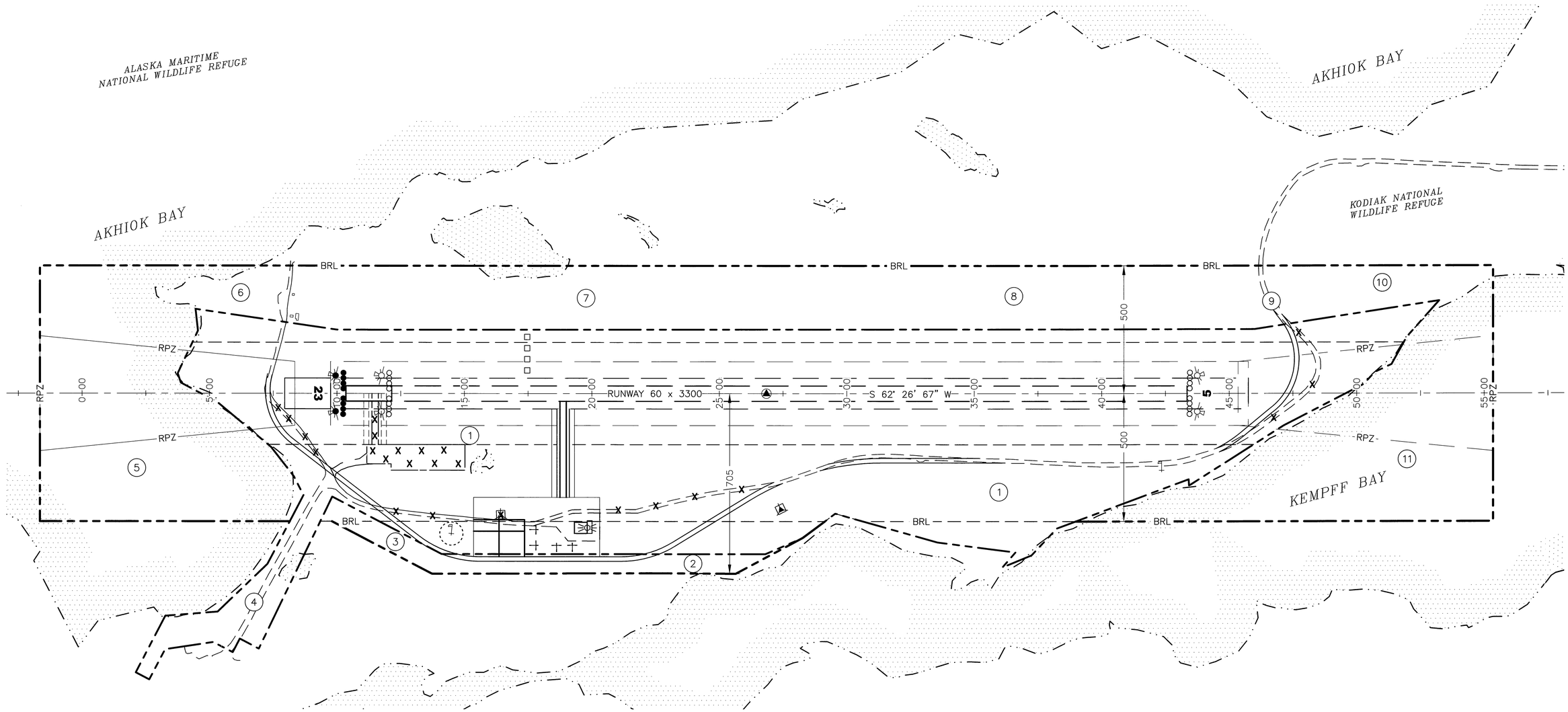
AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT AIRSPACE, 14 CFR, PART 77

DATE: 10/09/2013
SHEET: 8 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013, 10:02 AM
Layout Name: Part 77
File Name: W:\Projects\Akhiok\ALP\Final Drawings\ALP-AKK.dwg



PROPERTY STATUS								
ID #	INTEREST	GRANTOR	GRANTEE	PARCEL SIZE	DATE ACQUIRED	RECORDED DOC NO.	ACQUIRED AIP NO.	DATE OF EXPIRATION
1 (SURFACE)	FEE	CITY OF AKHIOK	STATE OF ALASKA, DOT/PF	74.50 ac	04/19/1985	BK 73 PG. 449	3-02-0002-01	NONE
1 (SUB SURFACE)	COVENANTS	KONIAG, INC.	STATE OF ALASKA, DOT/PF	74.50 ac	04/19/1985	BK 74 PG. 450	3-02-0002-01	NONE
2 (SURFACE)	FEE	AKHIOK-KAGUYAK, INC.	STATE OF ALASKA, DOT/PF	2.05 ac	TO BE ACQUIRED			
2 (SUB SURFACE)	COVENANTS	KONIAG, INC.	STATE OF ALASKA, DOT/PF	2.05 ac	TO BE ACQUIRED			
3 (SURFACE)	FEE	CITY OF AKHIOK	STATE OF ALASKA, DOT/PF	1.35 ac	TO BE ACQUIRED			
3 (SUB SURFACE)	COVENANTS	KONIAG, INC	STATE OF ALASKA, DOT/PF	1.35 ac	TO BE ACQUIRED			
4 (SURFACE)	EASEMENT	CITY OF AKHIOK	STATE OF ALASKA, DOT/PF	2.71 ac	1/31/1977	BK 81 PG. 242		NONE
5	IALMA	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	13.19 ac	TO BE ACQUIRED			
6	AV & HAZ EASEMENT	CITY OF AKHIOK	STATE OF ALASKA, DOT/PF	2.41 ac	TO BE ACQUIRED			
7 (SURFACE)	FEE	AKHIOK-KAGUYAK, INC	STATE OF ALASKA, DOT/PF	10.54 ac	TO BE ACQUIRED			
7 (SUB SURFACE)	COVENANTS	KONIAG, INC.	STATE OF ALASKA, DOT/PF	10.54 ac	TO BE ACQUIRED			
8 (SURFACE)	FEE	AKHIOK-KAGUYAK, INC.	STATE OF ALASKA, DOT/PF	10.67 ac	TO BE ACQUIRED			
8 (SUB SURFACE)	COVENANTS	BLM	STATE OF ALASKA, DOT/PF	10.67 ac	TO BE ACQUIRED			
9	AV & HAZ EASEMENT	CITY OF AKHIOK	STATE OF ALASKA, DOT/PF	.60 ac	TO BE ACQUIRED			
10 (SURFACE)	FEE	AKHIOK-KAGUYAK, INC.	STATE OF ALASKA, DOT/PF	3.12 ac	TO BE ACQUIRED			
10 (SUB SURFACE)	COVENANTS	KODIAK NAT'L WILDLIFE REF.	STATE OF ALASKA, DOT/PF	3.12 ac	TO BE ACQUIRED			
11	IALMA	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT/PF	16.75 ac	TO BE ACQUIRED			

NOTE: PROPERTY RECORDS LIE IN THE KODIAK RECORDING DISTRICT.

LEGEND

- NEAR TERM AIRPORT PROPERTY BOUNDARY
- ULTIMATE AIRPORT PROPERTY BOUNDARY
- PARCEL BOUNDARY

MAG. DEC. = 15°47'E., 2012

200 100 0' 200 400

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

AKHIOK AIRPORT
AKHIOK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT PROPERTY MAP

DATE: 10/09/2013

SHEET: 9 OF 9

Designed By: PWC
Drawn By: RAR
Checked By:

Date Plotted: 10/09/2013, 10:03 AM
Layout Name: Property Map
File Name: W:\Projects\Akhiok\ALP\F.inol Drawings\ALP-AKK.dwg