U.S. Department
of Transportation

**Federal Aviation
Administration**

Alaskan Region

222 W. 7th Avenue #14
Anchorage, Alaska
99513-7587

February 28, 2013

Ms. Mary Bondurant, Airport Manager
City of Kenai
305 N. Willow, Suite 200
Kenai, Alaska 99611

Dear Ms. Bondurant:

Kenai Municipal Airport
Kenai, Alaska
As-Built Airport Layout Plan
Original Airspace Case 09-AAL-24NRA

We have completed our review of the Kenai Municipal Airport As-Built Airport Layout Plan (ALP), and find it acceptable for documenting the existing conditions of the airport. We look forward to working with you on identifying and addressing future needs at the airport.

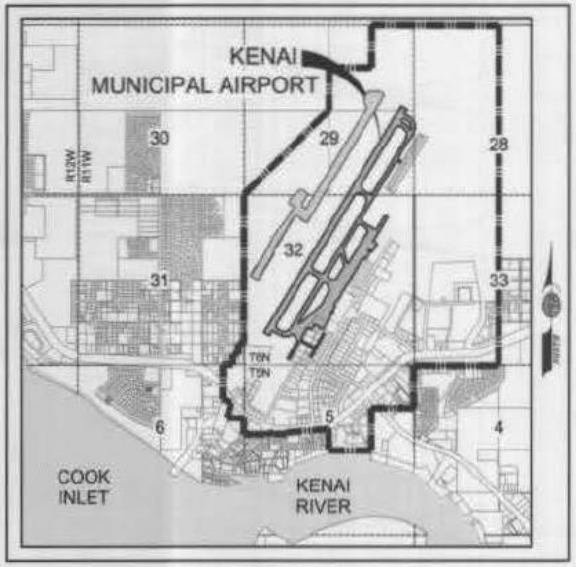
Please attach this letter to the enclosed ALP and retain it in your files for future use. Further, the ALP will be scanned shortly and available for download at the following web address: http://www.faa.gov/airports/alaskan/airports_resources/?section=alp.

Feel free to contact Krisjon Tabisola at 907-271-3785 if you have any questions or comments.

Sincerely,

Pat Oien, P.E., Airport Planner
Airports Division

Enclosure: Kenai Municipal Airport ALP



VICINITY MAP

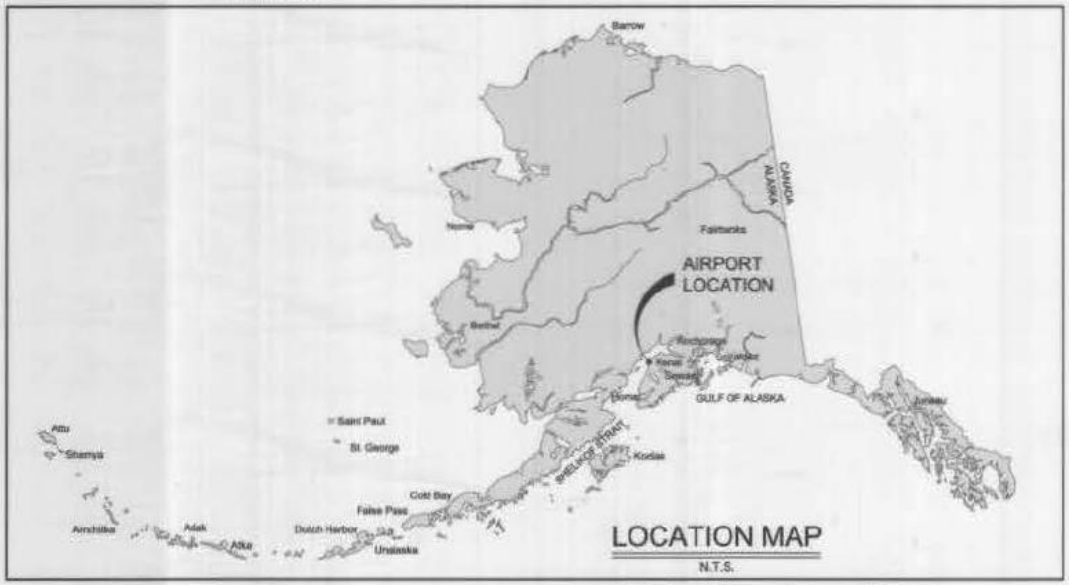
SCALE: 1"=4000'

AIRPORT LAYOUT PLAN
KENAI MUNICIPAL AIRPORT
Kenai, Alaska

Prepared By:

WINCE-CORTHELL-BRYSON

Kenai Municipal Airport



LOCATION MAP

N.T.S.

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NO.	REVISIONS	DATE
	2009-2010 REHABILITATE APRON	AUG. 2011
	FUTURE FLOAT PLANE BASIN PHASE ONE	AUG. 2011
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	LAND ACQUISITION TRACTS XI AND XII	AUG. 2011
	ALP UPDATE	OCT. 2012

APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13, 09-AAL-29-NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: COVER
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
COVER
KENAI, ALASKA

SHEET 1 OF 16

RUNWAY DATA

		RUNWAY 1L-19R OTHER THAN UTILITY		GRAVEL RUNWAY 1R-19L ** UTILITY		WATER RUNWAY 1W-19W UTILITY	
		EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
TRUE MEAN BEARING		N 31.05° E	SAME	N 31.05° E	SAME	N 31.05° E	SAME
EFFECTIVE GRADIENT (IN %)		+0.1044%	SAME	0.0750%	TBD	0.0000%	SAME
10.5 KNOT WIND COVERAGE		98.5%	SAME	96.5%	SAME	96.5%	SAME
RUNWAY SURFACE		GROOVED ASPHALT	SAME	GRAVEL	SAME	WATER	SAME
PAVEMENT STRENGTH		75S,190D,250DT	SAME	**	SAME	———	———
FAR PART 77 APPROACH SURFACES (WITH VISIBILITY MINIMUMS)	1	NON PRECISION 34:1 1 STATUTE MILE VISIBILITY HAT=250', DA=344'	PRECISION 50:1 1/2 STATUTE MILE VISIBILITY HAT=200',DA=294'	20:1 VISUAL	SAME	20:1 VISUAL	SAME
	19	PRECISION 50:1 1/2 STATUTE MILE VISIBILITY HAT=200',DA=299.0	SAME	20:1 VISUAL	SAME	20:1 VISUAL	SAME
RUNWAY LIGHTING		HIRL	SAME	NONE	SAME	NONE	SAME
RUNWAY MARKING		PRECISION	SAME	CONES	SAME	NONE	SAME
RUNWAY VISUAL AND INSTRUMENT NAVIGATION AIDS	1	VASI-4, GPS, REIL	MALSR,VASI-4, GPS, ILS, & DGPS	NONE	SAME	NONE	SAME
	19	MALSR,VASI-4, GPS, ILS	MALSF,VASI-4, GPS, ILS, & DGPS	NONE	SAME	NONE	SAME
RUNWAY SAFETY AREA		9575' x 500'	SAME	2480' ± 120'	SAME	4600' x 252'	SAME
RUNWAY SAFETY AREA BEYOND ENDS		1000'	1000'	240'	SAME	0	SAME
RUNWAY DIMENSION		7855' x 150'	SAME	2000' x 60'	SAME	4600' x 252'	SAME
TAXIWAY SURFACE		ASPHALT PAVED	SAME	GRAVEL	SAME	WATER	SAME
RUNWAY END COORDINATES*	1 LATITUDE	60° 33' 47.20" (DSP)	SAME 60° 33' 54.41" (DSP)	60° 34' 29.86"	TBD	60°34' 29.63"	SAME
	1 LONGITUDE	151° 16' 30.19" 151° 15' 27.57" (DSP)	SAME 151° 15' 21.36" (DSP)	151° 14' 17.92"	TBD	151° 15' 09.15"	SAME
	19 LATITUDE	60°34' 51.26"	60°34' 08.32"	60° 34' 46.73"	TBD	60° 34' 59.21"	SAME
	19 LONGITUDE	151° 14' 09.38"	151° 14' 03.18"	151° 13' 57.28"	TBD	151° 14' 21.93"	SAME
RUNWAY PROTECTION ZONE DIMENSIONS	1 LENGTH	1,700'	2,500'	1,000'	SAME	1,000'	SAME
	1 INNER WIDTH	1,000'	1,000'	250'	SAME	500'	SAME
	1 OUTER WIDTH	1,510'	1,750'	450'	SAME	700'	SAME
	1 AREA	48.978 ACRES	78.914 ACRES	8.035 ACRES	SAME	8.035 ACRES	SAME
	19 LENGTH	2,500'	SAME	1,000'	SAME	1,000'	SAME
	19 INNER WIDTH	1,000'	SAME	250'	SAME	500'	SAME
	19 OUTER WIDTH	1,750'	SAME	450'	SAME	700'	SAME
	19 AREA	78.914 ACRES	SAME	8.035 ACRES	SAME	8.035 ACRES	SAME
RUNWAY OBJECT FREE AREA (ROFA)		9,575 x 800'	SAME	2,480' x 250'	SAME	2,139' x 500'	SAME
(ROFA) BEYOND ENDS		1000'	1000'	240'	SAME	0	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ)		7,975' x 400'	SAME	2,400' ± 250'	SAME	4,600' x 252'	SAME
DECLARED DISTANCES	1 TODA	7,855'	SAME	2,000'	SAME	4,600'	SAME
	1 TORA	7,855'	SAME	2,000'	SAME	4,600'	SAME
	1 ASDA	7,855'	SAME	2,000'	SAME	4,600'	SAME
	1 LDA	7,575'	SAME	2,000'	SAME	4,600'	SAME
	19 TODA	7,855'	SAME	2,000'	SAME	4,600'	SAME
	19 TORA	7,655'	SAME	2,000'	SAME	4,600'	SAME
	19 ASDA	7,575'	SAME	2,000'	SAME	4,600'	SAME
	19 LDA	7,575'	SAME	2,000'	SAME	4,600'	SAME
TOUCH DOWN ZONE DATA	1L STA./ELEV.	21+80 / 94.1	SAME	75+00 / 99.9	TBD	84.09	SAME
	19R STA./ELEV.	60+00 / 96.6	SAME	75+00 / 99.9	TBD	84.09	SAME

AIRPORT DATA

	EXISTING	FUTURE	ELEV
AIRPORT ELEVATION (MSL) ***	98.40***	SAME	
AIRPORT REFERENCE POINT (A.R.P.) *	LAT 60°34'29.76" N LONG. 151°14'41.81 W	LAT 60° 34' 35.68" N LONG. 151°14' 52.40" W	
MEAN TEMPERATURE HOTTEST MONTH	73° F	SAME	
TAXIWAY LIGHTING	MITL/ LIGHTED SIGNS	SAME	
AIRPORT AND TERMINAL NAVIGATION AIDS	NDB,VHF,DF,VOR,DME, ROTATING BEACON	SAME	
AIRCRAFT DESIGN GROUP			
RUNWAY 1L-19R	IV	SAME	
GRAVEL RUNWAY 1R-19L	I **	SAME	
WATER RUNWAY 1W-19W	II	SAME	
AIRCRAFT APPROACH CATEGORY			
RUNWAY 1L-19R	C	SAME	
GRAVEL RUNWAY 1R-19L	B	SAME	
WATER RUNWAY 1W-19W	B	SAME	
AIR TRAFFIC CONTROL TOWER	YES	SAME	
AIRPORT CATEGORY AND ROLE	CS/PR	SAME	
AIRPORT SURVEY MONUMENTATION *			
USCGS "T-81A" R/W 1L-19R	LAT 60°34'06.023#" N		
STA. 23+02.61, 312.32' RT	LONG 151° 15' 00.1518 W		90.38
USCGS "KENAI AZ" (2) R/W 1L-19R	LAT 60° 34' 27.7490" N		
STA. 49+28.98,321.40' RT	LONG 151° 14' 33.0838" W		95.77
N.G.S. "DIANA" R/W 1L-19R	LAT 60° 35' 16.3259" N		
STA. 105+06.40, 27.56' RT	LONG 151° 13' 40.4799" W		104.11
INT. R/W 1L-19R T/W F STA. -(0+37.50), ON C/L			90.12
INT. R/W 1L-19R T/W E STA.21+24.66, ON C/L			92.31
INT. R/W 1L-19R T/W D STA.50+35.97, ON C/L			97.60
INT. R/W 1L-19R T/W C STA.74+55.28, ON C/L			98.40
INT. R/W 1L-19R T/W B STA.77+17.82, ON C/L			98.06
MAGNETIC DECLINATION EPOCH YEAR (2010)	18°24'E - 0° 15' WYR		
OBSTRUCTION SURVEY SOURCE AND TYPE			
RUNWAY 1L	NGS 405/ANAPC - 9-12-96		
RUNWAY 19R	NGS 405/PIR 6/26/01		

NON-STANDARD CONDITIONS

DESCRIPTION	STANDARD	ACTUAL	DISPOSITION
TAXIWAY GG OBJECT FREE AREA WIDTH	89'	76'	RELOCATE LIGHT POLE (1) AND TRANSFORMERS (2)
TAXIWAY G OBJECT FREE AREA WIDTH	89'	77'	RELOCATE PARKING SIGN TO 44.5' FROM CENTERLINE

NOTES:

1. SURVEY CONTROL MONUMENTS USCGS "KENAI AZ" (2) AND USCGS "T-81A" ARE SET IN CONCRETE, FLUSH WITH THE SURROUNDING GRADE AND LOCATED OUTSIDE THE RUNWAY SAFETY ZONES. SEE ELEVATION DATA, THIS SHEET.

2. FUTURE OFZ OBJECT PENETRATIONS EXIST AT THE FUTURE INNER-APPROACH OFZ TO RUNWAY 1L IF AND WHEN A PERCISION INSTRUMENT APPROACH SYSTEM IS INSTALLED TO RUNWAY 1L. THE OBJECT PENETRATIONS ARE EXISTING TREES AND LIGHT POLE, AS INDICATED ON THE INNER PORTION-APPROACH SURFACE DRAWINGS. THE DISPOSITION OF THE OBJECT PENETRATIONS ARE BY REMOVAL OF TREES AND ADJUSTMENT OF HEIGHT OF LIGHT POLE.

3. *NORTH AMERICAN DATUM OF 1983 (NAD 83)

4. ** FOR SMALL AIRPLANES EXCLUSIVELY (< 12,500 LBS GROSS TAKEOFF WEIGHT). ALL OTHER AIRCRAFT ARE REQUIRED TO HAVE AIRCRAFT SPECIFIC WRITTEN APPROVAL FROM THE AIRPORT MANAGER PRIOR TO AIRCRAFT USE ON TAXIWAYS "G","H","GG","M","N","P".

5. *** NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) ALL ELEVATIONS SHOWN HEREON ARE NAVD 88 IN FEET.

TAXIWAY DATA

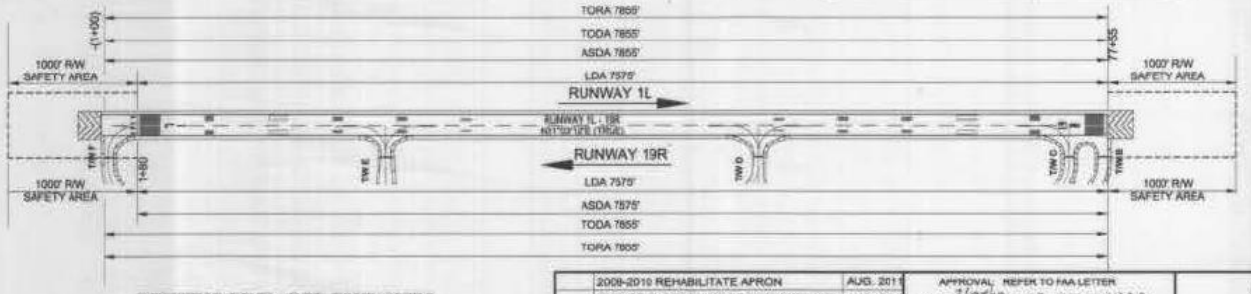
TAXIWAY DESIGNATION	A	B	C	D	E	F	G	GG	H	J	K	L	M	N	P
AIRCRAFT DESIGN GROUP	IV	IV	IV	IV	IV	IV	I**	I**	I**	IV	IV	IV	I**	I**	I**
TAXIWAY WIDTH	75'	75'	75'	75'	75'	75'	35'	35'	60'	75'	75'	75'	50'	25'	25'
TAXIWAY OBJECT FREE AREA WIDTH (TOFA)	259'	259'	259'	259'	259'	259'	89'	76'	77'	259'	259'	259'	89'	89'	89'
TAXIWAY SAFETY AREA WIDTH (TSA)	171'	171'	171'	171'	171'	171'	49'	49'	49'	171'	171'	171'	49'	49'	49'

AIRPORT IDENTIFIERS

ICAO CODE	PAEN
NATIONAL AIRPORT IDENTIFIER CODE	ENA
FAA SITE NUMBER	5-02-0142

ABBREVIATIONS:

CS/PR	COMMERCIAL SERVICE-PRIMARY AIRPORT
HIRL	HIGH INTENSITY RUNWAY LIGHTS
VASI	VISUAL APPROACH SLOPE INDICATOR
REIL	RUNWAY END IDENTIFIER LIGHTS
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM AND RAIL
RAIL	RUNWAY ALIGNMENT INDICATOR LIGHTS
GPS	GLOBAL POSITIONING SYSTEM
ILS	INSTRUMENT LANDING SYSTEM
DGPS	DIFFERENTIAL GLOBAL POSITIONING SYSTEM
N	NORTH
W	WEST
FT	FEET
AC	ACRE
MSL	MEAN SEA LEVEL
LAT	LATITUDE
LONG	LONGITUDE
MITL	MEDIUM INTENSITY TAXIWAY LIGHTS
NDB	NONDIRECTIONAL BEACON
VHF	VERY HIGH FREQUENCY
DF	DIRECTION FINDER
VOR	VERY HIGH FREQUENCY OMNI RANGE
DME	DISTANCE MEASURING EQUIPMENT
USCGS	UNITED STATES COAST AND GEODETIC SURVEY
TBD	TO BE DETERMINED
TODA	TAKEOFF DISTANCE AVAILABLE
TORA	TAKEOFF RUN AVAILABLE
ASDA	ACCELERATE-STOP DISTANCE AVAILABLE
LDA	LANDING DISTANCE AVAILABLE
DSP	DISPLACED
HAT	HEIGHT ABOVE TOUCHDOWN
DA	DECISION ALTITUDE ELEVATION
RPZ	RUNWAY PROTECTION ZONE
PRPZ	PRECISION RUNWAY PROTECTION ZONE
POFZ	PRECISION OBSTACLE FREE ZONE



EXISTING DECLARED DISTANCES

500 0 1000

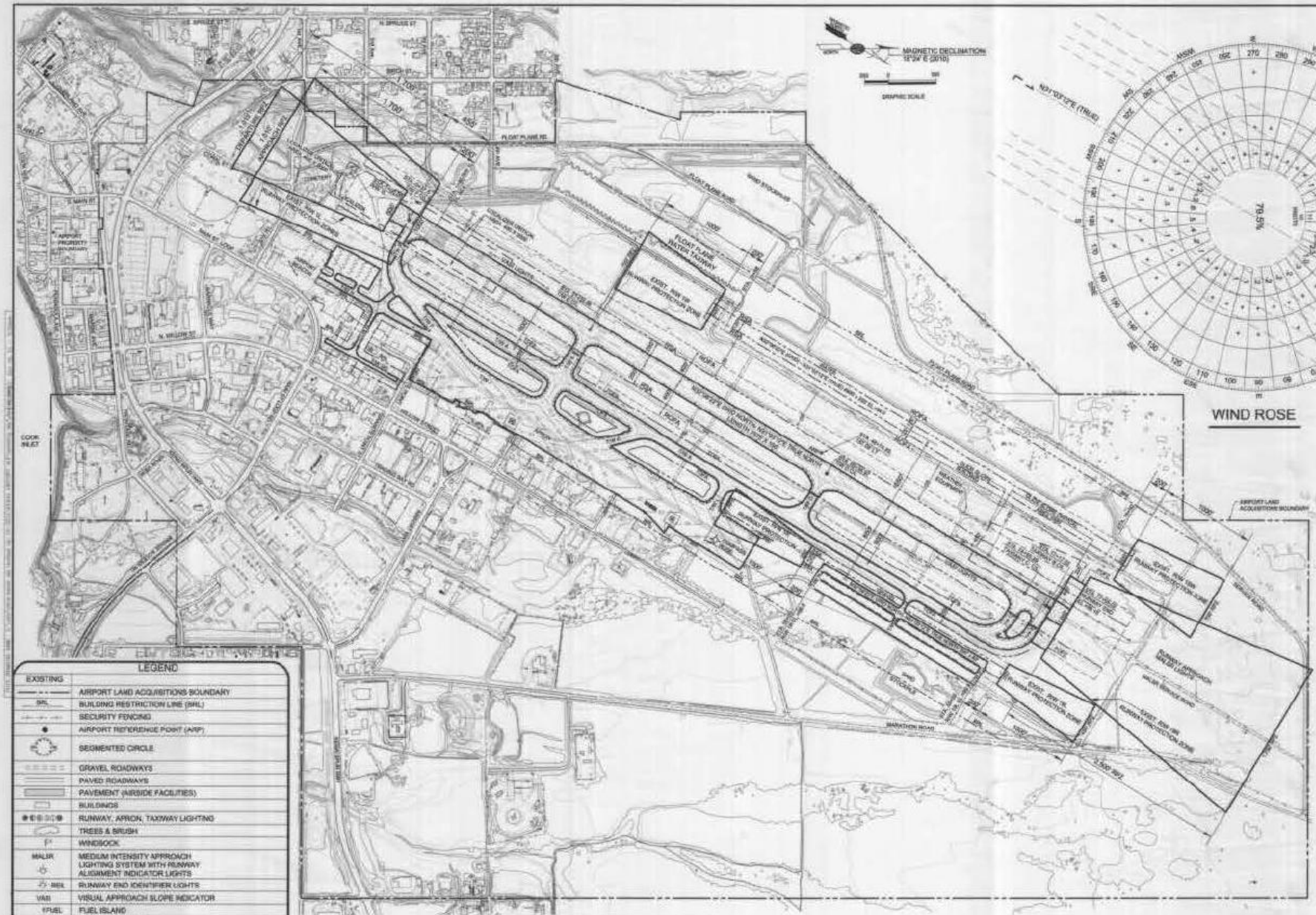
NO.	REVISIONS	DATE
	2008-2010 REHABILITATE APRON	AUG. 2011
	FUTURE FLOAT PLANE BASIN PHASE ONE	AUG. 2011
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	ALP UPDATE	OCT., 2012

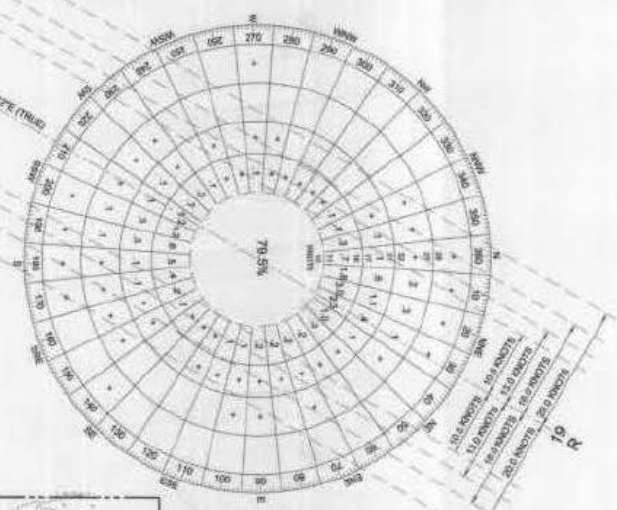
APPROVAL: REFER TO FAA LETTER
DATE 2/28/13 09-AAL-24-NRA
APPROVED BY: P&D
CITY OF KENAI — DATE 10/17/12

WINCE-CORTHELL-BRYSON
DRAWN BY: V.C. DRAWING: DATASHEET
CHECKED BY: P.B. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
AIRPORT DATA SHEET
KENAI, ALASKA

SHEET 2 OF 16





WIND ROSE

WIND COVERAGE

SOURCE: KENAI AK., STATION 70259
NOAA DATABASE

PERIOD: 1996-2006

CROSSWIND COVERAGE:
10.5 KNOTS - 98.5%
13.0 KNOTS - 99.4%
16.0 KNOTS - 99.9%
20.0 KNOTS - 100.0%

NOTES:

1. OFZ: NO OFZ OBJECT PENETRATIONS OCCUR ON EXISTING RUNWAYS.
2. TSA: ALL TAXIWAY TSA AS NOTED ON DATA SHEET.
3. POFZ: NO PRECISION OBJECT PENETRATIONS OCCUR IN POFZ.
4. TOFA: ALL TAXIWAY OBJECT PENETRATIONS AS NOTED ON DATA SHEET.
5. THE FOLLOWING ACTIVITIES ARE SITUATED WITHIN 10,000 FEET OF THE AIRPORT.
   A. KENAI SECONDARY TREATMENT SEWAGE PLANT
   B. KENAI TRASH TRANSFER SITE
   C. KENAI RIVER INDUSTRIAL FISH WASTE DISPOSAL
   D. ADJACENT FLOAT PLANE FACILITY, WETLANDS, AND WILDLIFE AREAS.
6. RPZ: PUBLIC ASSEMBLY AREAS WITHIN RPZ.
   A. CEMETERY
   B. KENAI MUNICIPAL SOFTBALL FIELD AND ASSOCIATED PARKING.

LEGEND

EXISTING	
	AIRPORT LAND ACQUISITIONS BOUNDARY
BRL	BUILDING RESTRICTION LINE (BRL)
	SECURITY FENCING
	AIRPORT REFERENCE POINT (ARP)
	SEGMENTED CIRCLE
	GRAVEL ROADWAYS
	PAVED ROADWAYS
	PAVEMENT (AIRSIDE FACILITIES)
	BUILDINGS
	RUNWAY, APRON, TAXIWAY LIGHTING
	TREES & BRUSH
	WINDSOCK
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY ALIGNMENT INDICATOR LIGHTS
REIL	RUNWAY END IDENTIFIER LIGHTS
VASI	VISUAL APPROACH SLOPE INDICATOR
FUEL	FUEL ISLAND
	SURVEY MONUMENT
	GROUND CONTOUR (2' INTERVAL)
	RUNWAY PROTECTION ZONE

NO.	REVISIONS	DATE
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	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	LAND ACQUISITION TRACTS XI AND XII	AUG. 2011
	ALP UPDATE	OCT, 2012

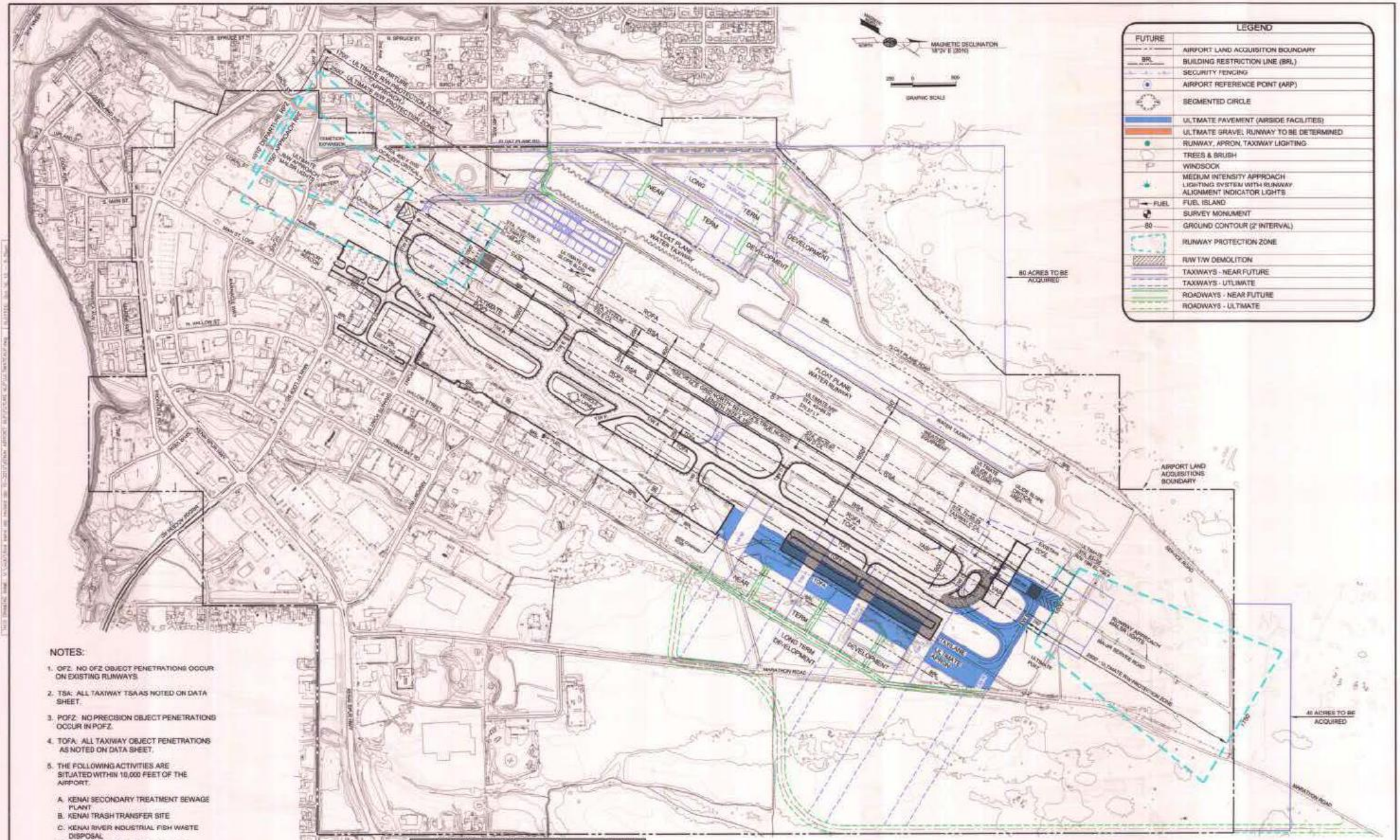
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 09-AAL-24-NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: alpexist.dwg
CHECKED BY: P.B. DATE: October 2012

KENAI MUNICIPAL AIRPORT
EXISTING AIRPORT LAYOUT PLAN
KENAI, ALASKA

SHEET 3 OF 16



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	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	LAND ACQUISITION TRACTS XI AND XII	AUG. 2011
	ALP UPDATE	OCT. 2012

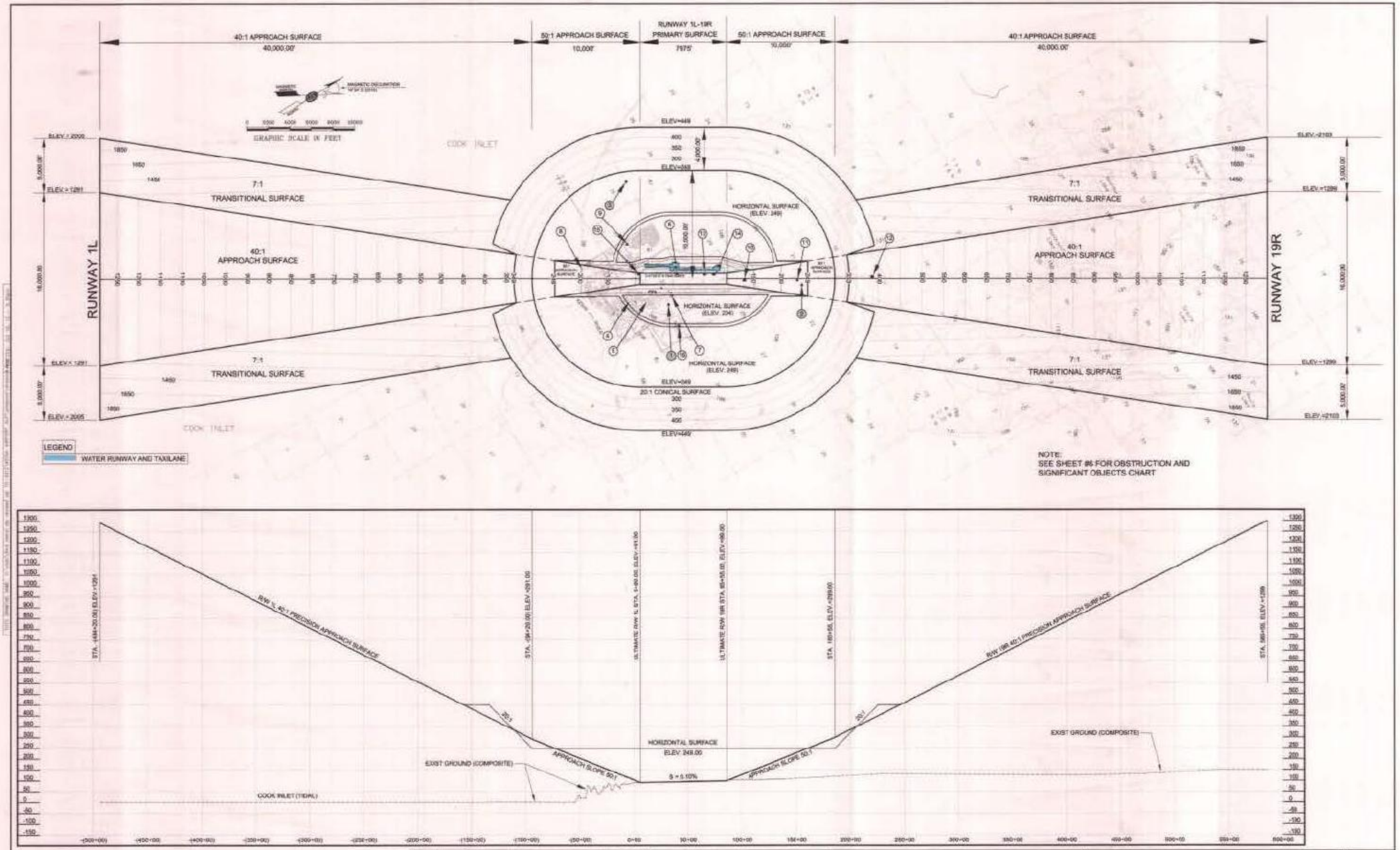
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 09-AAL-21-NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: ULTIMATEALP.dwg
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
ULTIMATE AIRPORT LAYOUT PLAN
KENAI, ALASKA

SHEET 4 OF 16



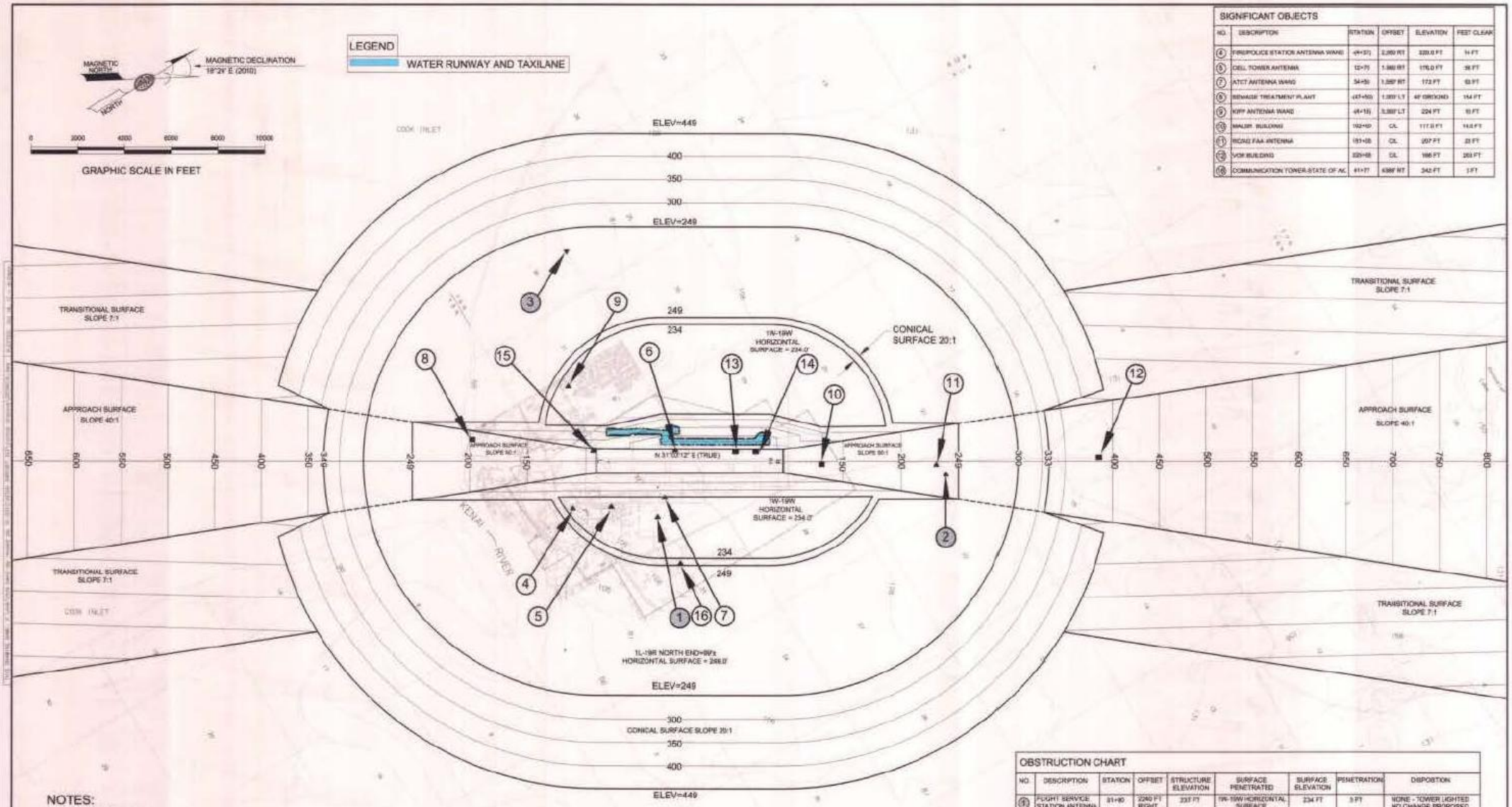
NO.	REVISIONS	DATE
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	ALP UPDATE	OCT, 2012

APPROVAL: REFER TO FAA LETTER
DATE: 12/28/12 09-AAL-21-NACA
APPROVED BY:
CITY OF KENAI DATE 10/7/12

WINCE-CORTHELL-BRYSON
DRAWN BY: V.C. DRAWING: AIRSPACE
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
AIRSPACE DRAWING
KENAI, ALASKA

SHEET 5 OF 16



SIGNIFICANT OBJECTS

NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	FEET CLEAR
4	FIREPOLICE STATION ANTENNA WAND	-(4+37)	2,260 RT	220.0 FT	14 FT
5	CELL TOWER ANTENNA	12+75	1,380 RT	176.0 FT	38 FT
7	ATCT ANTENNA WAND	54+50	1,350' RT	172 FT	63 FT
8	SEWAGE TREATMENT PLANT	-(47+50)	1,000' LT	48' GROUND	154 FT
9	KIPP ANTENNA WAND	-(4+15)	3,300' LT	224 FT	10 FT
10	MAUSR. BUILDING	102+60	CL	117.0 FT	14.0 FT
11	RCAG FAA ANTENNA	151+05	CL	207 FT	23 FT
12	VOR BUILDING	220+65	CL	186 FT	203 FT
16	COMMUNICATION TOWER-STATE OF AK	41+77	4380' RT	342 FT	3 FT

OBSTRUCTION CHART

NO.	DESCRIPTION	STATION	OFFSET	STRUCTURE ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	PENETRATION	DISPOSTION
1	FLIGHT SERVICE STATION ANTENNA	31+80	2240 FT RIGHT	237 FT	1W-19W HORIZONTAL SURFACE	234 FT	3 FT	NONE - TOWER LIGHTED NO CHANGE PROPOSED
2	NDB ANTENNA STATION ANTENNA	155+00	360 FT RIGHT	246 FT	19 R 50:1 APPROACH SURFACE	239 FT	10 FT	NONE - TOWER LIGHTED NO CHANGE PROPOSED
3	GCI CELL TOWER	-(9+60)	6950 FT LEFT	268 FT	1L-19R HORIZONTAL SURFACE	249 FT	11 FT	NONE - TOWER LIGHTED NO CHANGE PROPOSED
6	TEMP. SENSING LIGHT	39+58	420 FT LEFT	107 FT	PART 77 PRIMARY SURFACE	96 FT	11 FT	NONE - UNIT LIGHTED
13	ASOS/VASI BLDG ANTENNA	65+00	410 FT LEFT	131 FT	PART 77 PRIMARY SURFACE	98 FT	33 FT	NONE - ANTENNA LIGHTED
14	GUIDE SLOPE MAST	67+86	403 FT LEFT	135 FT	PART 77 PRIMARY SURFACE	98 FT	37 FT	NONE MAST LIGHTED
15	REIL BUILDING	4+10	430 FT LEFT	109 FT	PART 77 PRIMARY SURFACE	90.0 FT	19 FT	NONE

NOTES:

HEIGHT RESTRICTIONS

1) STRUCTURES ARE LIMITED BY ZONES TO ALLOWABLE HEIGHTS BY TITLE 14, PLANNING AND ZONING, TABLE 14.24.020 DEVELOPMENT REQUIREMENTS. RESIDENTIAL ZONES RESTRICT STRUCTURES TO A HEIGHT OF 35 FEET ABOVE GROUND IN LC,C,RR,RRI, RS RS1 AND RS2 DISTRICTS. OTHER ZONES IL, IH, CC,CG, CMU, R AND ED ARE REQUIRED TO CONFORM TO HEIGHT RESTRICTION AS SHOWN ON AN AIRPORT "OBSTRUCTION CRITERIA MAP" ON FILE WITH THE AIRPORT MANAGER, AND ATTACHED BY REFERENCE TO TITLE 14, PLANNING AND ZONING.

2) REFER TO INNER PORTION OF THE APPROACH SURFACES DRAWINGS, FOR CLOSE IN OBSTRUCTIONS.

3) R/W 1L-19R PRIMARY SURFACE DIMENSIONS 1,000' X 8,255'.

NO.	REVISIONS	DATE
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	ALP UPDATE	OCT. 2012

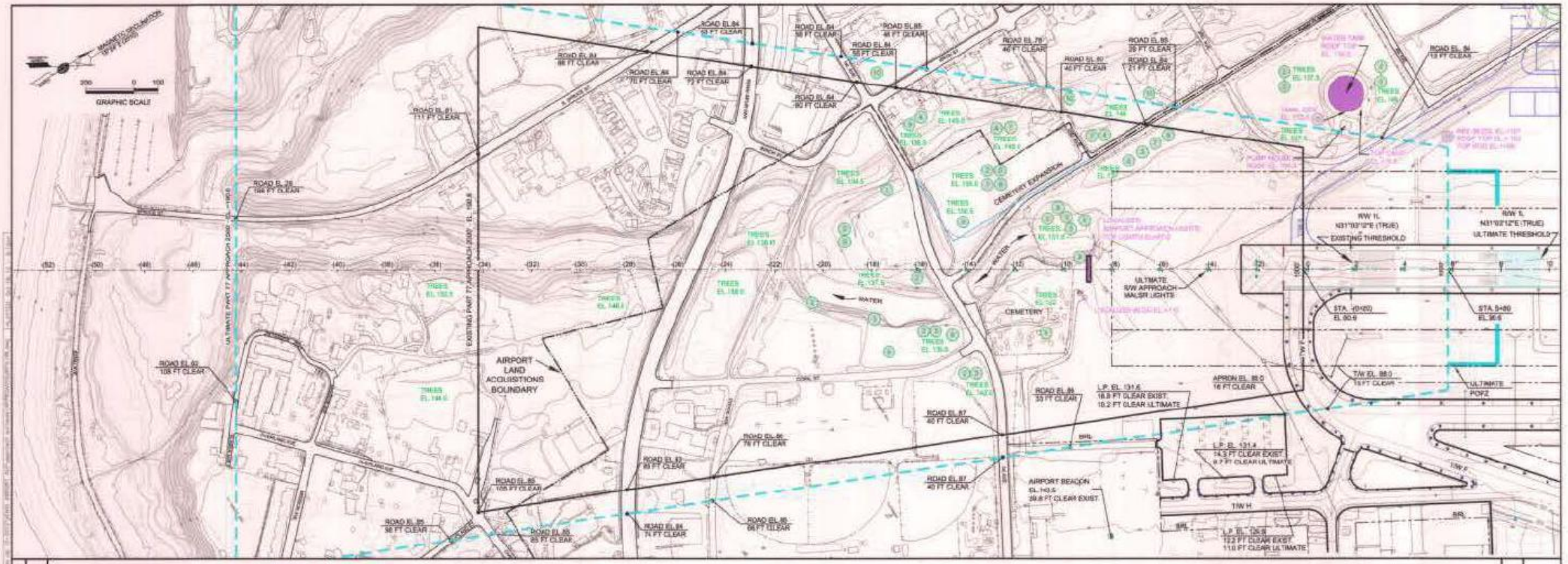
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 09 AAL-24 NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

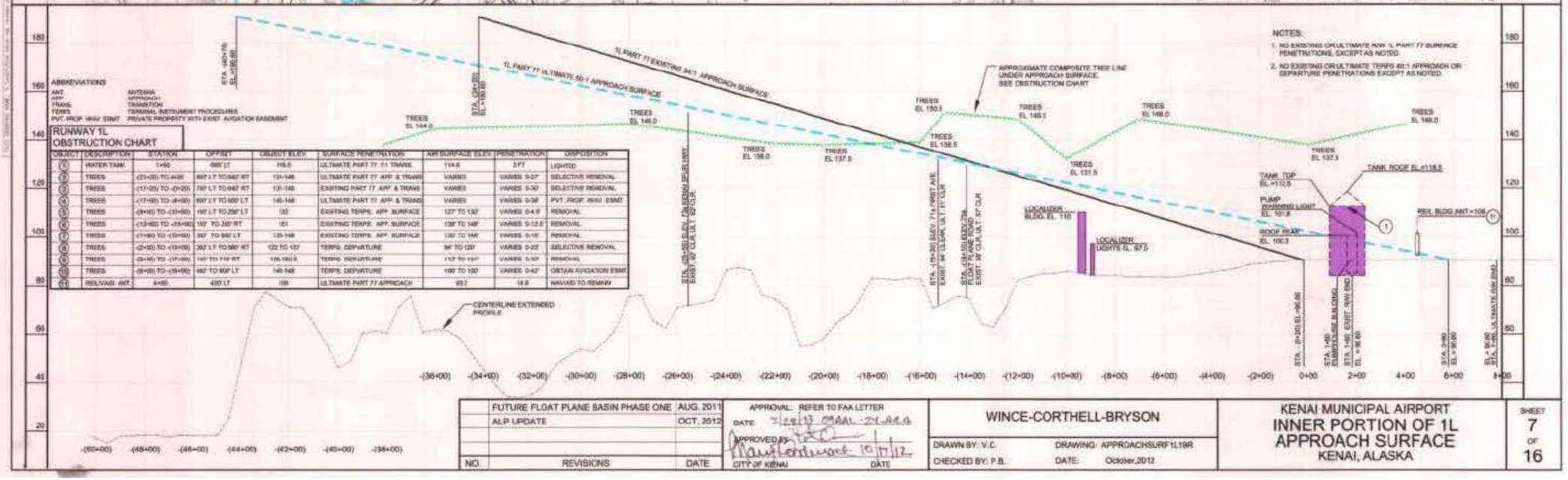
WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: CRONICAL
CHECKED BY: P.B. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
AIRSPACE CONICAL DRAWING
KENAI, ALASKA

SHEET 6 OF 16





OBJECT	DESCRIPTION	STATION	OFFSET	OBJECT ELEV.	SURFACE PENETRATION	AIR SURFACE ELEV.	PENETRATION	DISPOSITION
1	WATER TANK	1+50	665' LT	118.5	ULTIMATE PART 77, 7:1 TRANS.	114.6	3'7	LIGHTED
2	TREES	-(21+20) TO -(14+20)	895' LT TO 940' RT	131-148	ULTIMATE PART 77 APP. & TRANS.	VARIES	VARIES 0-37'	SELECTIVE REMOVAL
3	TREES	-(17+20) TO -(0+20)	750' LT TO 940' RT	131-148	EXISTING PART 77 APP. & TRANS.	VARIES	VARIES 0-30'	SELECTIVE REMOVAL
4	TREES	-(17+00) TO -(8+00)	600' LT TO 600' LT	146-148	ULTIMATE PART 77 APP. & TRANS.	VARIES	VARIES 0-38'	PVT. PROP. WAY. EMNT.
5	TREES	-(9+00) TO -(3+50)	190' LT TO 250' LT	133	EXISTING TERPS. APP. SURFACE	127' TO 132'	VARIES 0-4.5'	REMOVAL
6	TREES	-(12+50) TO -(10+00)	150' TO 220' RT	151	EXISTING TERPS. APP. SURFACE	138' TO 148'	VARIES 0-12.5	REMOVAL
7	TREES	-(11+50) TO -(10+00)	350' TO 600' LT	135-148	EXISTING TERPS. APP. SURFACE	136' TO 146'	VARIES 0-16'	REMOVAL
8	TREES	-(2+20) TO -(1+00)	350' LT TO 580' RT	122 TO 132	TERPS. DEPARTURE	96' TO 120'	VARIES 0-33'	SELECTIVE REMOVAL
9	TREES	-(3+00) TO -(1+00)	150' TO 710' RT	136-150.5	TERPS. DEPARTURE	112' TO 131'	VARIES 0-30'	REMOVAL
10	TREES	-(5+00) TO -(1+00)	460' TO 600' LT	146-148	TERPS. DEPARTURE	106' TO 120'	VARIES 0-42'	OBTAIN AVIGATION ESMT
11	REIL/ASR ANT.	4+20	420 LT	100	ULTIMATE PART 77 APPROACH	93.0	14.8	NAVAID TO REMAIN

NO.	REVISIONS	DATE
	FUTURE FLOAT PLANE BASIN PHASE ONE	AUG. 2011
	ALP UPDATE	OCT. 2012

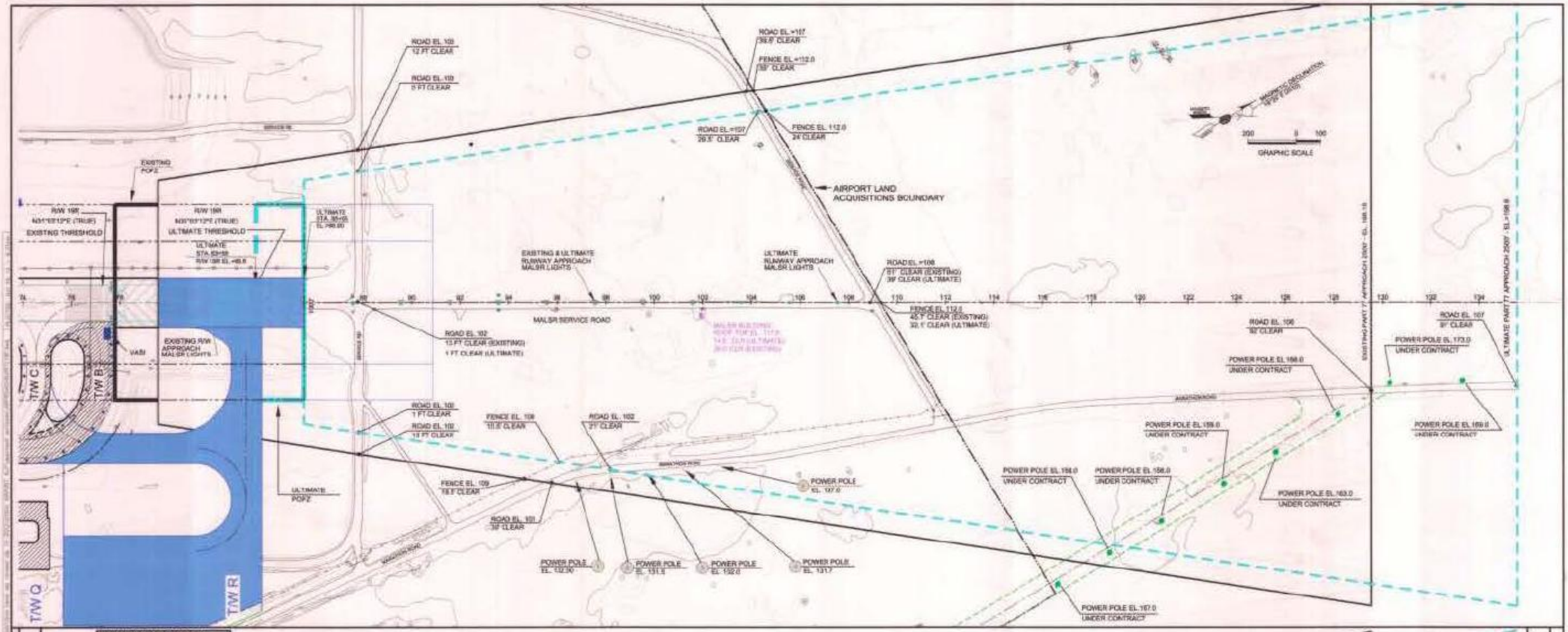
APPROVAL: REFER TO FAA LETTER
DATE: 7/29/13 OSAAL-21-AEA-6
APPROVED BY: [signature]
CITY OF KENAI DATE 10/17/12

WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: APPROACHSURF1L19R
CHECKED BY: P.B. DATE: October,2012

KENAI MUNICIPAL AIRPORT
INNER PORTION OF 1L APPROACH SURFACE
KENAI, ALASKA

SHEET 7 OF 16

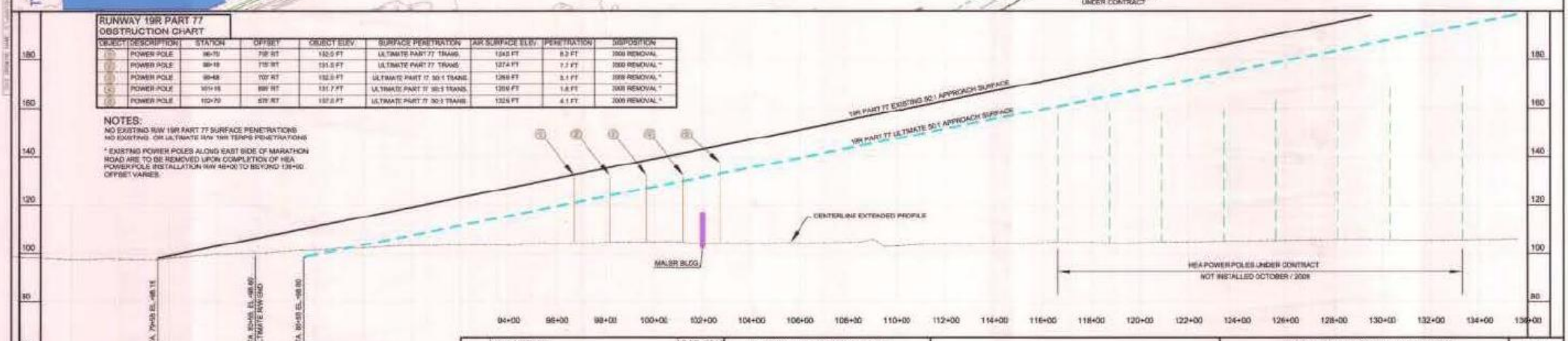


RUNWAY 19R PART 77 OBSTRUCTION CHART

OBJECT	DESCRIPTION	STATION	OFFSET	OBJECT ELEV.	SURFACE PENETRATION	AIR SURFACE ELEV.	PENETRATION	DISPOSITION
1	POWER POLE	96+70	708' RT	132.0 FT	ULTIMATE PART 77 TRANS.	124.0 FT	8.2 FT	2009 REMOVAL
2	POWER POLE	99+18	715' RT	131.0 FT	ULTIMATE PART 77 TRANS.	127.4 FT	7.7 FT	2009 REMOVAL *
3	POWER POLE	99+48	702' RT	132.0 FT	ULTIMATE PART 77 50:1 TRANS.	126.9 FT	5.1 FT	2009 REMOVAL *
4	POWER POLE	101+16	699' RT	131.7 FT	ULTIMATE PART 77 50:1 TRANS.	125.9 FT	1.8 FT	2009 REMOVAL *
5	POWER POLE	102+70	678' RT	137.0 FT	ULTIMATE PART 77 50:1 TRANS.	132.9 FT	4.1 FT	2009 REMOVAL *

NOTES:
NO EXISTING R/W 19R PART 77 SURFACE PENETRATIONS
NO EXISTING OR ULTIMATE R/W 19R TERPS PENETRATIONS

* EXISTING POWER POLES ALONG EAST SIDE OF MARATHON ROAD ARE TO BE REMOVED UPON COMPLETION OF HEA POWER POLE INSTALLATION R/W 46+00 TO BEYOND 136+00 OFFSET VARIES.



NO.	REVISIONS	DATE
	ALP UPDATE	OCT. 2012

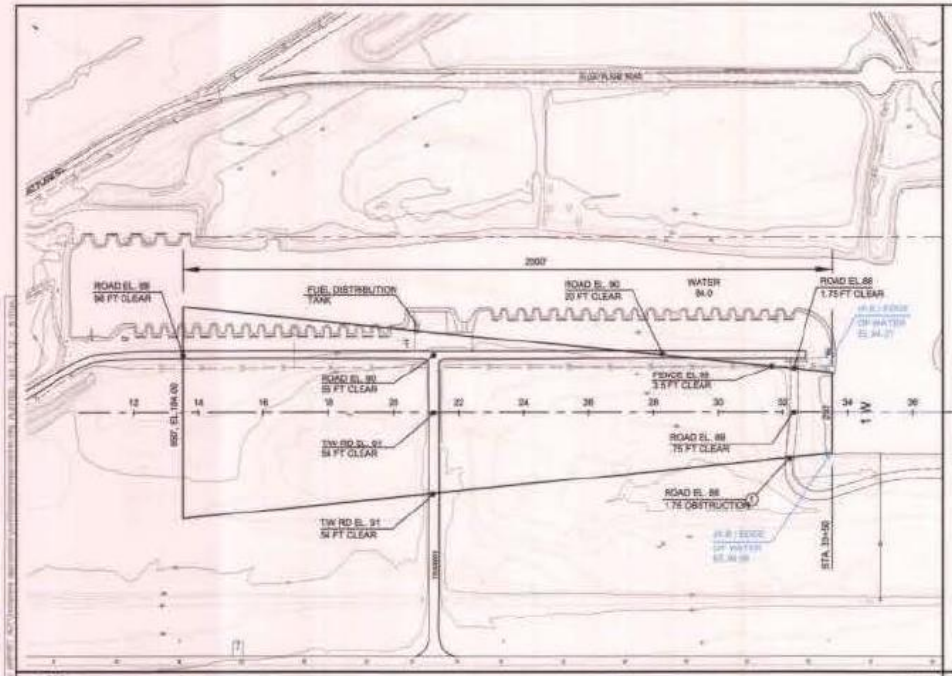
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/15 09-AAL-24 NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

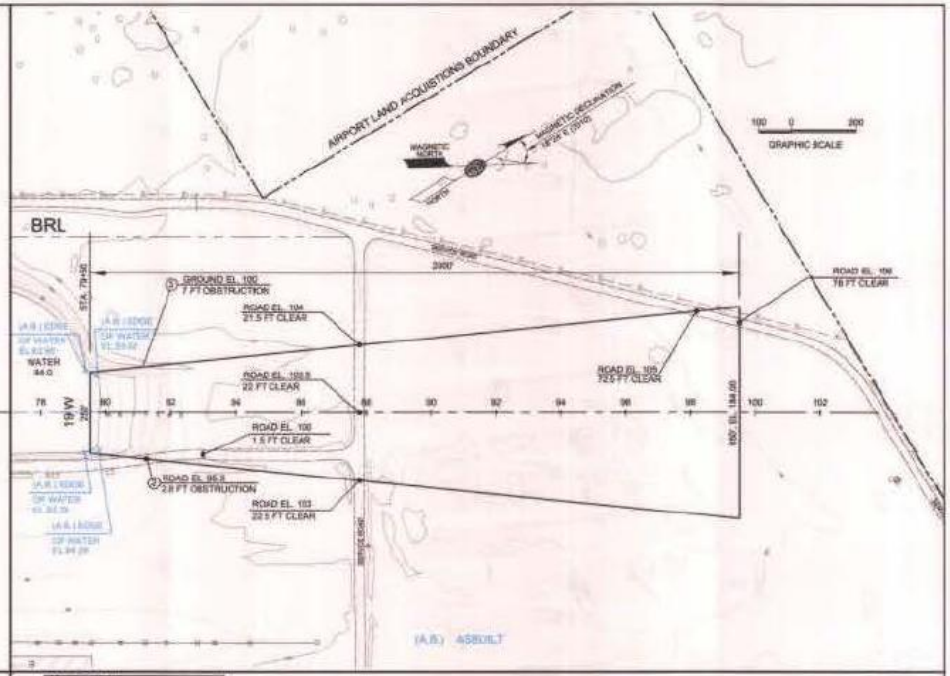
WINCE-CORTHELL-BRYSON

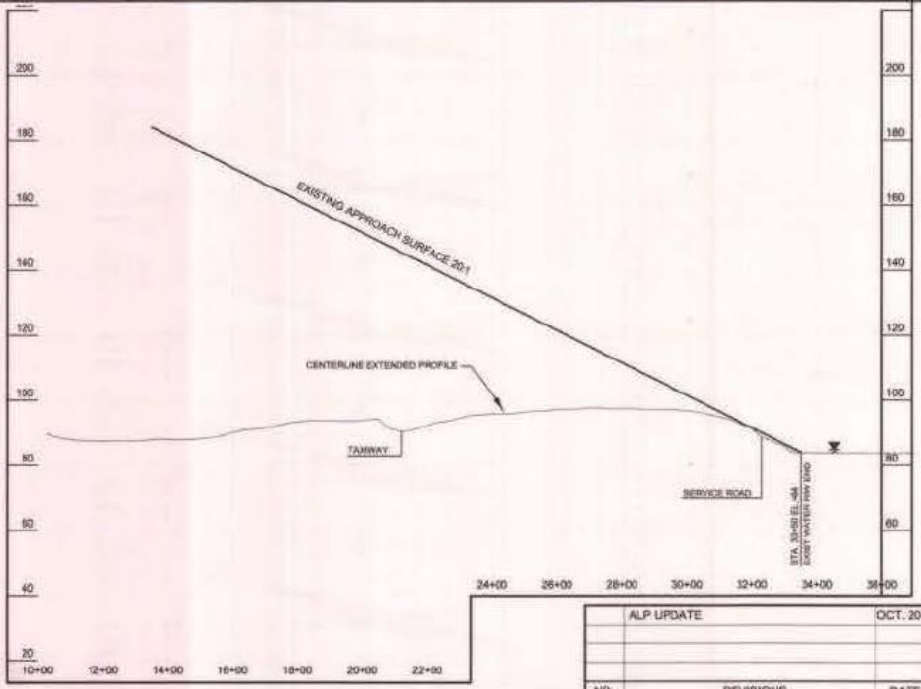
DRAWN BY: V.C. DRAWING: APPROACHSURF1L19R
CHECKED BY: C.M. DATE: October,2012

KENAI MUNICIPAL AIRPORT
INNER PORTION OF 19R APPROACH SURFACE
KENAI, ALASKA

SHEET 8 OF 16

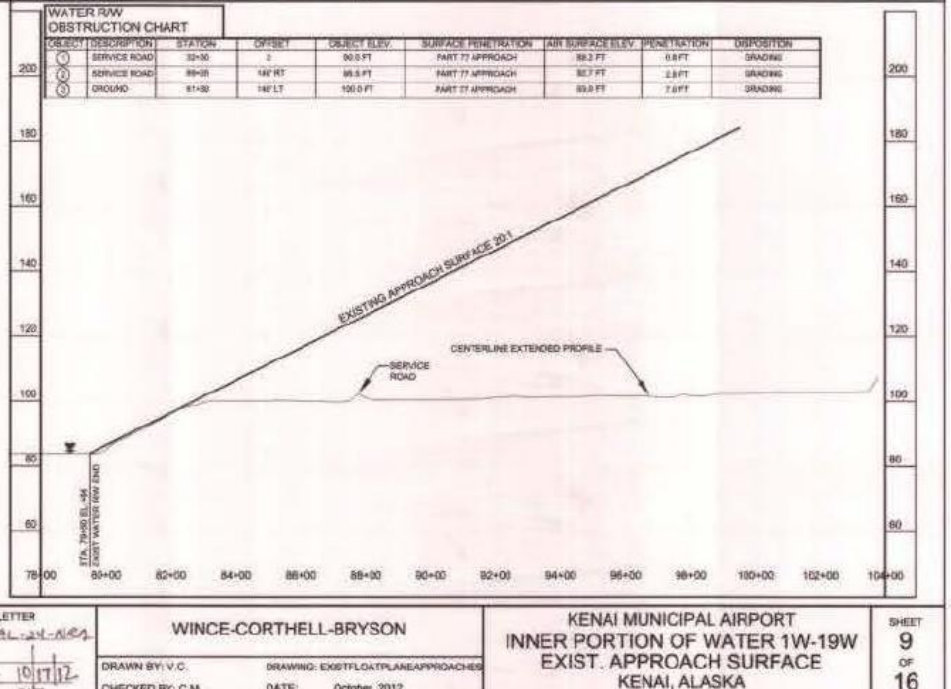






WATER R/W
OBSTRUCTION CHART

OBJECT	DESCRIPTION	STATION	OFFSET	OBJECT ELEV.	SURFACE PENETRATION	AIR SURFACE ELEV.	PENETRATION	DISPOSITION
1	SERVICE ROAD	32+30	0	90.0 FT	PART 77 APPROACH	89.2 FT	0.8 FT	GRADING
2	SERVICE ROAD	69+05	140' RT	95.5 FT	PART 77 APPROACH	92.7 FT	2.8 FT	GRADING
3	GROUND	61+92	140' LT	100.0 FT	PART 77 APPROACH	93.0 FT	7.0 FT	GRADING



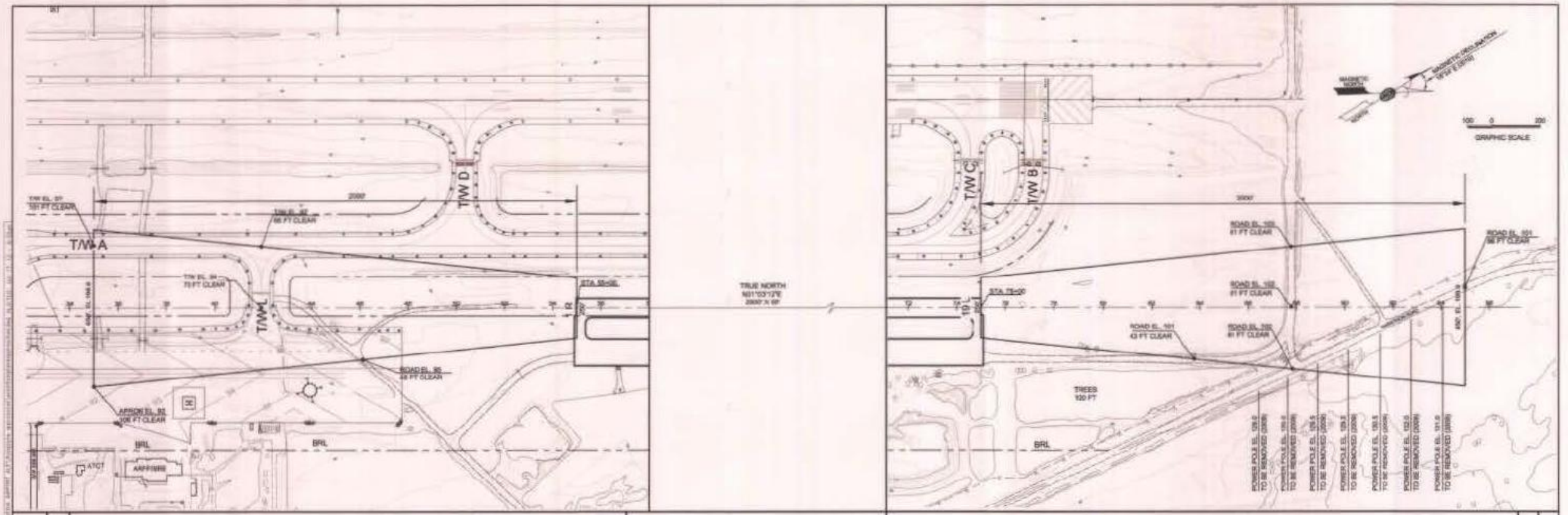
NO.	REVISIONS	DATE
	ALP UPDATE	OCT. 2012

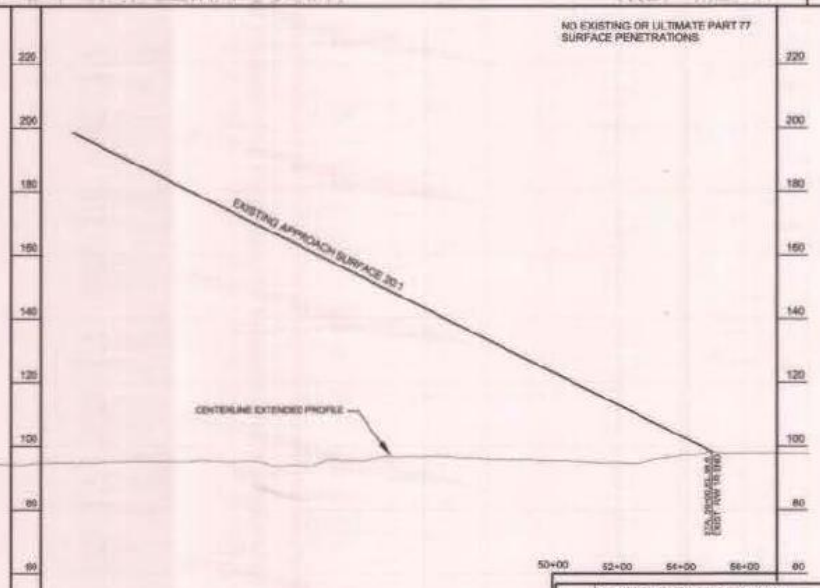
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 07AAL-24-NRS
APPROVED BY
CITY OF KENAI
DATE 10/17/12

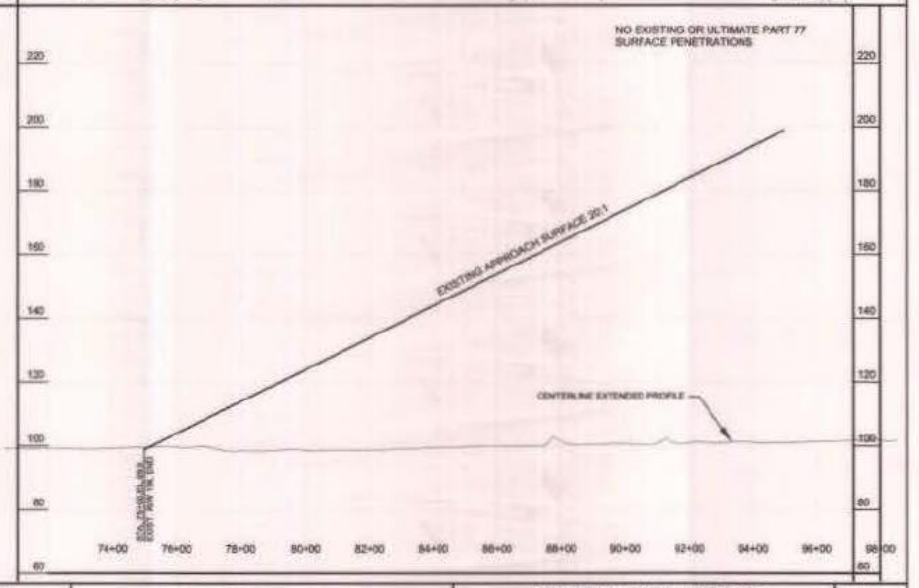
WINCE-CORTHELL-BRYSON
DRAWN BY: V.C. DRAWING: EXISTFLOATPLANEAPPROACHES
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
INNER PORTION OF WATER 1W-19W
EXIST. APPROACH SURFACE
KENAI, ALASKA

SHEET 9 OF 16







NO.	REVISIONS	DATE
	2009-2010 REHABILITATE APRON	AUG. 2011
	ALP UPDATE	OCT. 2012

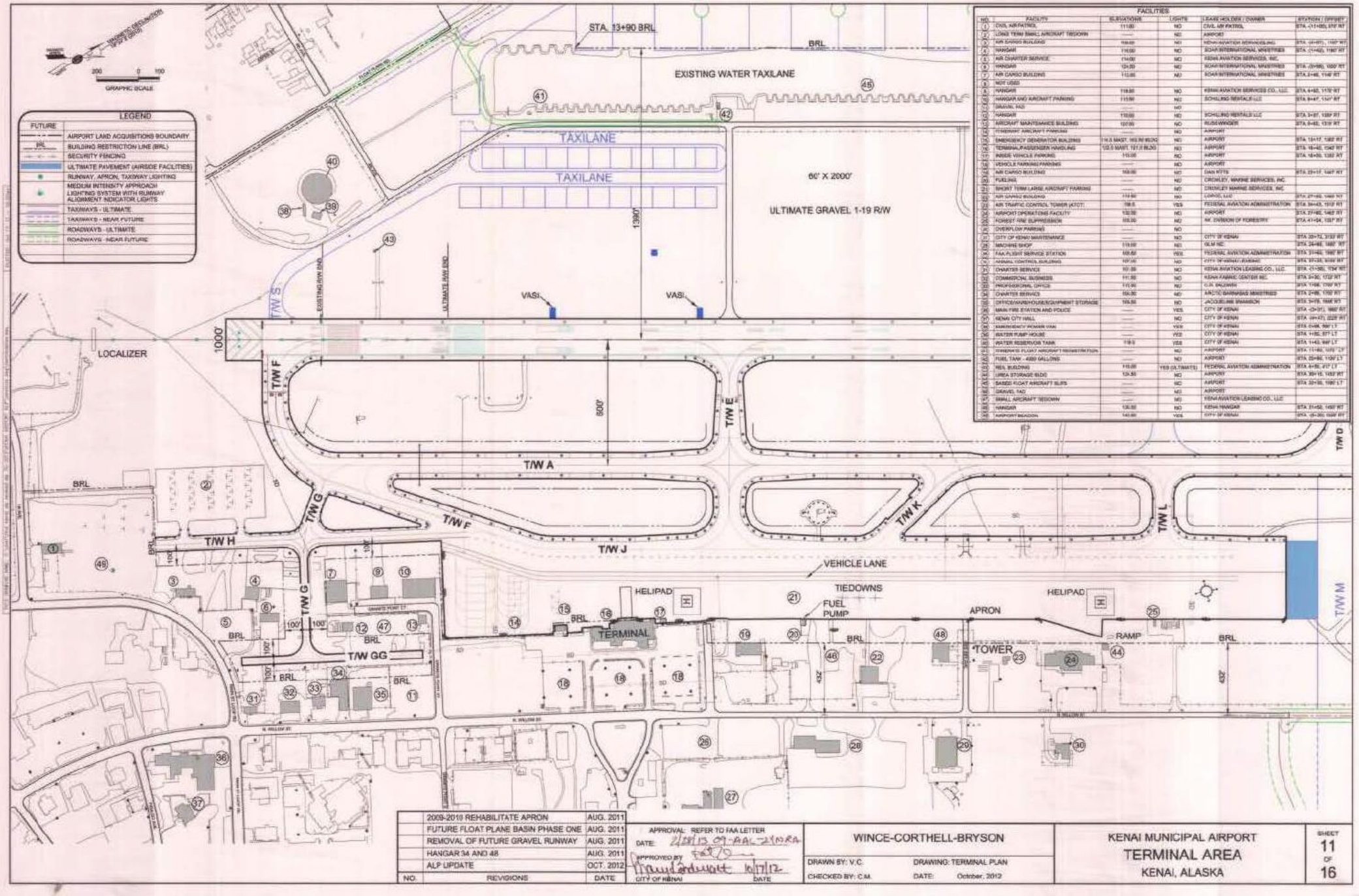
APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 CHAIR-ZONING
APPROVED: [signature]
CITY OF KENAI DATE 11/7/12

WINCE-CORTHELL-BRYSON

DRAWN BY: V.C. DRAWING: EXISTFLOATPLANEAPPROACHES
CHECKED BY: C.M DATE: October, 2012

KENAI MUNICIPAL AIRPORT
INNER PORTION OF GRAVEL 1R-19L
EXIST. APPROACH SURFACE
KENAI, ALASKA

SHEET 10 OF 16



FACILITIES

NO.	FACILITY	ELEVATION/DIE	LIGHTS	LEASE HOLDER / OWNER	STATION / OFFSET
1	CIVIL AIR PATROL	111.00	NO	CIVIL AIR PATROL	STA. (-11+00), 670' RT
2	LOWER TERM BMAC AIRCRAFT TIEDOWN	—	NO	AIRPORT	
3	AIR CARGO BUILDING	108.00	NO	KENAI AVIATION (BERNADELLI)	STA. (-9+01), 1197' RT
4	HANGAR	116.00	NO	ECHO INTERNATIONAL MINISTRIES	STA. (-11+62), 1190' RT
5	AIR CHARTER SERVICE	114.00	NO	KENAI AVIATION SERVICES, INC.	
6	HANGAR	124.00	NO	ECHO INTERNATIONAL MINISTRIES	STA. (0+99), 1020' RT
7	AIR CARGO BUILDING	112.00	NO	ECHO INTERNATIONAL MINISTRIES	STA.0+46, 1148' RT
8	NOT USED				
9	HANGAR	118.00	NO	KENAI AVIATION SERVICES CO., LLC.	STA.4+62, 1178' RT
10	HANGAR AND AIRCRAFT PARKING	115.00	NO	SCHILLING RENTALS LLC	STA. 6+47, 1347' RT
11	GRAVEL TAD	—	NO		
12	HANGAR	118.00	NO	SCHILLING RENTALS LLC	STA. 3+87, 1389' RT
13	AIRCRAFT MAINTENANCE BUILDING	107.00	NO	RUSSWINGER	STA. 8+82, 1319' RT
14	ITINERANT AIRCRAFT PARKING	—	NO	AIRPORT	
15	EMERGENCY GENERATOR BUILDING	114.5 MAST, 103.50 BLDG	NO	AIRPORT	STA. 13+17, 1382' RT
16	TERMINAL/PASSENGER HANDLING	122.5 MAST, 121.0 BLDG	NO	AIRPORT	STA. 16+40, 1342' RT
17	INSIDE VEHICLE PARKING	115.00	NO	AIRPORT	STA. 16+59, 1382' RT
18	VEHICLE PARKING/PARKING	—	NO	AIRPORT	
19	AIR CARGO BUILDING	108.00	NO	DAN RITTS	STA. 23+17, 1447' RT
20	FUELING	—	NO	CROWLEY MARINE SERVICES, INC.	
21	SHORT TERM LARGE AIRCRAFT PARKING	—	NO	CROWLEY MARINE SERVICES, INC.	
22	AIR GUARD BUILDING	114.60	NO	LORSO, LLC	STA. 27+60, 1460' RT
23	AIR TRAFFIC CONTROL TOWER (ATCT)	156.5	YES	FEDERAL AVIATION ADMINISTRATION	STA. 24+43, 1512' RT
24	AIRPORT OPERATIONS FACILITY	132.00	NO	AIRPORT	STA. 27+62, 1462' RT
25	FOREST FIRE SUPPRESSION	103.00	NO	AK. DIVISION OF FORESTRY	STA. 41+94, 1321' RT
26	OVERFLOW PARKING	—	NO		
27	CITY OF KENAI MAINTENANCE	—	NO	CITY OF KENAI	STA. 33+72, 3132' RT
28	MACHINE SHOP	119.00	NO	GLM INC.	STA. 24+66, 1682' RT
29	FAA FLIGHT SERVICE STATION	102.50	YES	FEDERAL AVIATION ADMINISTRATION	STA. 31+60, 1990' RT
30	ANIMAL CONTROL BUILDING	107.00	NO	CITY OF KENAI / LEASING	STA. 37+35, 3030' RT
31	CHARTER SERVICE	107.00	NO	KENAI AVIATION LEASING CO., LLC.	STA. (1+36), 1734' RT
32	COMMERCIAL BUSINESS	111.50	NO	KENAI FABRIC CENTER INC.	STA. 0+30, 1722' RT
33	PROFESSIONAL OFFICE	110.00	NO	C.H. BALDWIN	STA. 1+66, 1709' RT
34	CHARTER SERVICE	109.30	NO	ARCTIC BARNABAS MINISTRIES	STA. 2+86, 1703' RT
35	OFFICE/WAREHOUSE/EQUIPMENT STORAGE	105.50	NO	JACQUELINE BRANNON	STA. 3+78, 1668' RT
36	MAIN FIRE STATION AND POLICE	—	YES	CITY OF KENAI	STA. (3+91), 1660' RT
37	KENAI CITY HALL	—	NO	CITY OF KENAI	STA. (4+47), 2228' RT
38	EMERGENCY POWER VAULT	—	YES	CITY OF KENAI	STA. 0+66, 1597' LT
39	WATER PUMP HOUSE	—	YES	CITY OF KENAI	STA. 1+82, 877' LT
40	WATER RESERVOIR TANK	119.0	YES	CITY OF KENAI	STA. 1+43, 997' LT
41	SEAPLANE FLOAT AIRCRAFT REGISTRATION	—	NO	AIRPORT	STA. 11+80, 1015' LT
42	FUEL TANK - 4000 GALLONS	—	NO	AIRPORT	STA. 20+80, 1100' LT
43	RES. BUILDING	115.00	YES (ULTIMATE)	FEDERAL AVIATION ADMINISTRATION	STA. 4+80, 410' LT
44	UREA STORAGE BLDG	129.50	NO	AIRPORT	STA. 30+15, 1482' RT
45	SASEC FLOAT AIRCRAFT SLIPS	—	NO	AIRPORT	STA. 32+30, 1580' LT
46	GRAVEL TAD	—	NO	AIRPORT	
47	SMALL AIRCRAFT TIEDOWN	—	NO	KENAI AVIATION LEASING CO., LLC	
48	HANGAR	130.50	NO	KENAI HANGAR	STA. 21+52, 1497' RT
49	AIRPORT BEACON	140.00	YES	CITY OF KENAI	STA. (0+30), 1026' RT

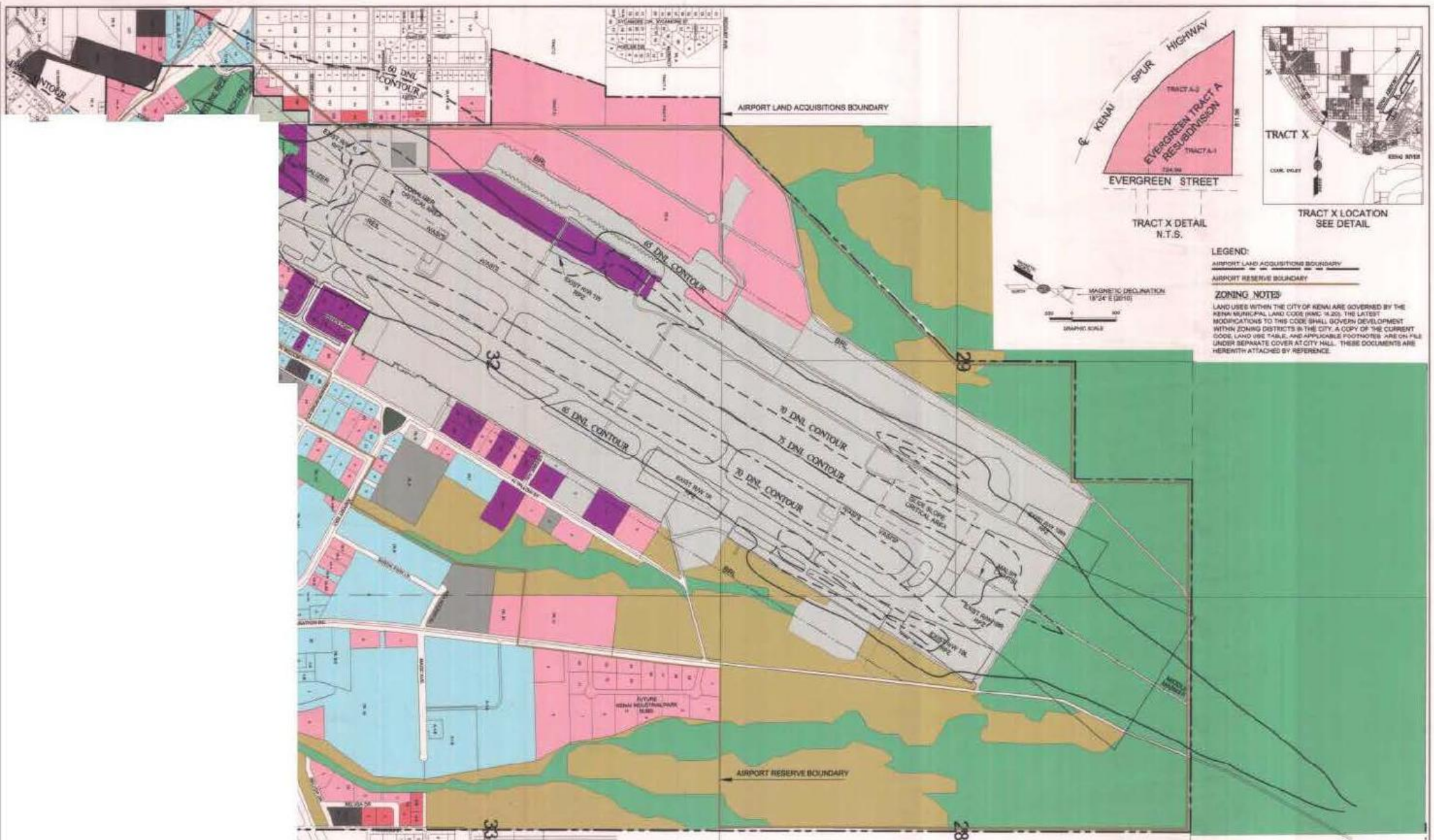
NO.	REVISIONS	DATE
	2009-2010 REHABILITATE APRON	AUG. 2011
	FUTURE FLOAT PLANE BASIN PHASE ONE	AUG. 2011
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	HANGAR 34 AND 48	AUG. 2011
	ALP UPDATE	OCT. 2012

APPROVAL: REFER TO FAA LETTER
DATE: 4/29/13 09-AAL-21-NRA
APPROVED BY: [signature] FAA
CITY OF KENAI [signature] 6/27/12 DATE

WINCE-CORTHELL-BRYSON
DRAWN BY: V.C. DRAWING: TERMINAL PLAN
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
TERMINAL AREA
KENAI, ALASKA

SHEET 11 OF 16



NO.	REVISIONS	DATE
	2009-2010 REHABILITATE APRON	AUG. 2011
	FUTURE FLOAT PLANE BASIN PHASE ONE	AUG. 2011
	REMOVAL OF FUTURE GRAVEL RUNWAY	AUG. 2011
	LAND ACQUISITION TRACTS XI AND XII	AUG. 2011
	ALP UPDATE	OCT. 2012

APPROVAL: REFER TO FAA LETTER
DATE: 2/28/13 09AM-24-NRA
APPROVED BY: [signature] 10/17/12
CITY OF KENAI DATE

WINCE-CORTHELL-BRYSON

DRAWN BY: Y.C. DRAWING: EXISTLANDUSE
CHECKED BY: C.M. DATE: October, 2012

KENAI MUNICIPAL AIRPORT
EXISTING LAND USE
KENAI, ALASKA

SHEET 12 OF 16