



U.S. Department
of Transportation

Alaskan Region

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

**Federal Aviation
Administration**

May 16, 2011

Mr. Ryan Anderson, P.E.
Design Section Chief
Northern Region Department of Transportation
and Public Facilities, State of Alaska
2301 Peger Road
Fairbanks, Alaska 99709-5399

Dear Mr. Anderson:

**Ralph Wien Memorial Kotzebue Airport, Kotzebue, Alaska
Airport Layout Plan Conditional Approval
Airspace Case 2011-AAL-19-NRA**

We have completed our review of the Ralph Wien Memorial Kotzebue Airport Layout Plan (ALP) and find it acceptable from a planning standpoint.

The conditional approval indicated by my signature is given subject to the condition that the proposed airport development that requires environmental processing shall not be undertaken without prior written environmental approval by the FAA.

This approval considers only the safety, utility, and efficiency of the airport. We encourage you to work with appropriate agencies to encourage adoption of height and zoning restrictions.

This approval does not represent a commitment to provide financial assistance to implement the proposed plan. FAA assistance in any development or its approval for any development will be determined at the time of request, based on the existing regulations, project justification, and eligibility at the time of the request.

When airport construction, alteration, or deactivation is undertaken, such action requires FAA notification and review in accordance with the provisions of Part 77 and Part 157 of the Federal Aviation Regulations. In addition, all airport construction must be completed in accordance with FAA Advisory circulars current at the time of construction. Please attach this letter to the enclosed ALP and retain it in your files for future use.

If you have any questions, please contact Matt Freeman at 271-5455.

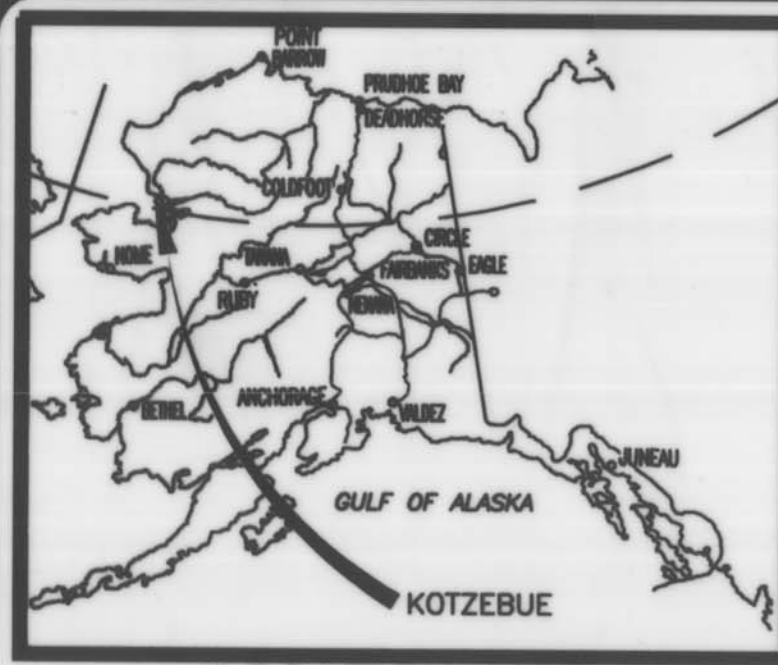
Sincerely,

A handwritten signature in black ink, appearing to read 'J. Lomen', with a long horizontal flourish extending to the right.

James W. Lomen P.E.
Deputy Division Manager, Airports Division

f.

Enclosure
Ralph Wien Memorial Kotzebue Airport ALP
cc: AAL-530, ANC FPO/AVN-123



LOCATION MAP
NO SCALE



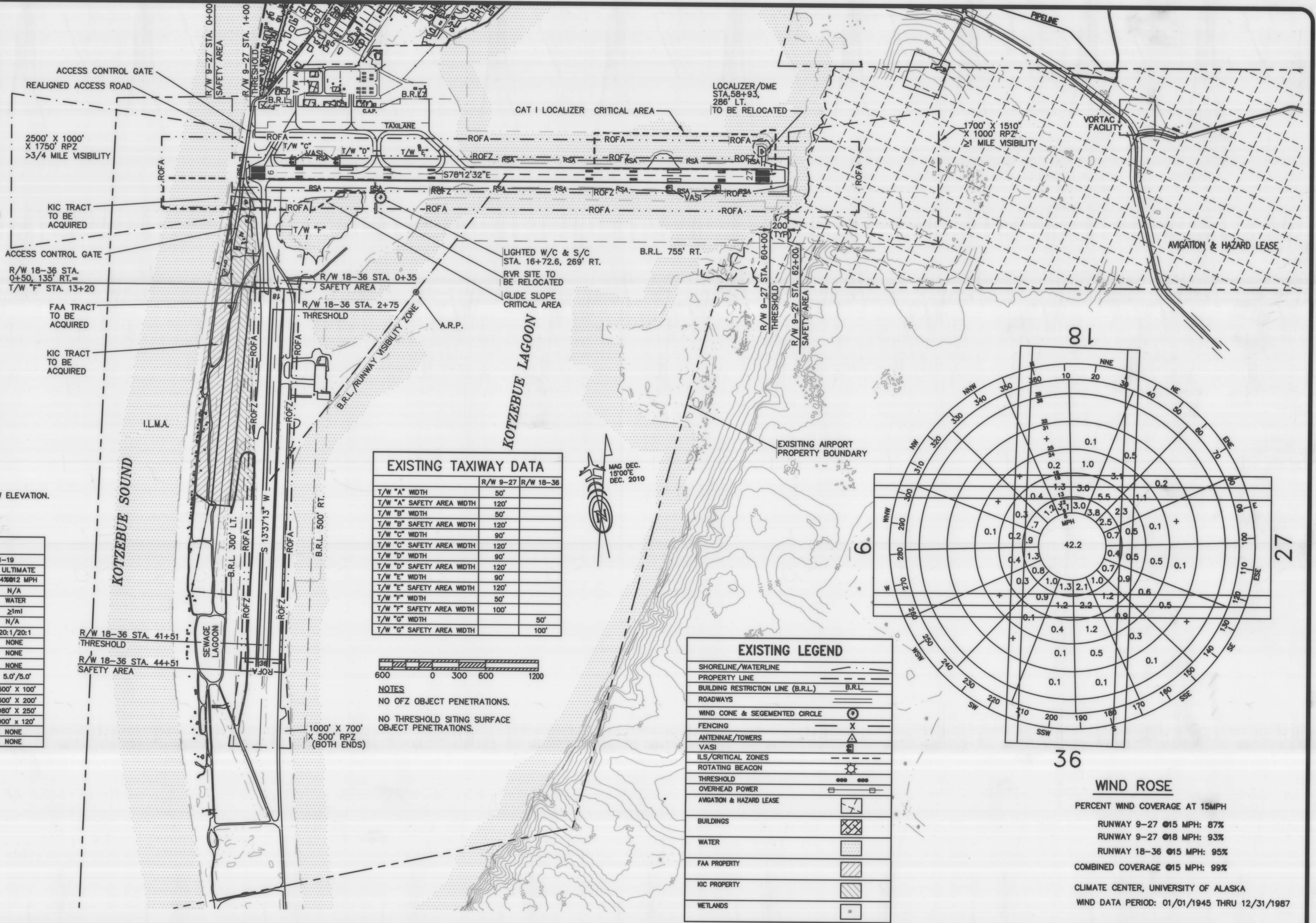
VICINITY MAP
SEC. 9, 10, 15, 16, T17N, R18W,
K.R.M., USGS KOTZEBUE (D-2) 1951

AIRPORT DATA		
NATIONAL AIRPORT IDENTIFIER - OTZ	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	14.0'	SAME
AIRPORT REFERENCE CODE	CH/BH	CH/BH/AI
MEAN HIGH TEMP. HOTTEST MONTH (JULY)	59°F	SAME
TAXIWAY LIGHTING	MIL/NONE	MIL/MIL
RAMP LIGHTING	FLOODLIGHTS	SAME
NAVIGATION AIDS	ILS/DME, DF, VOR, NDB, RVR	ILS/DME, DF, VOR, NDB, RVR, GPS
COMMUNICATION AIDS	CTAF, UNICOM, FSS	
* AIRPORT REFERENCE POINT (ARP)		
R/W STA. 19+83.46, 1346.84' RT.	LAT. 66°53'04.90"N	LONG. 162°35'54.60"W
THRESHOLD 9: STA. 1+00	LAT. 66°53'21.97"N	LONG. 162°36'33.64"W
THRESHOLD 27: STA. 80+00	LAT. 66°53'10.10"N	LONG. 162°34'09.03"W
THRESHOLD 18: STA. 2+75	LAT. 66°53'08.38"N	LONG. 162°36'33.57"W
THRESHOLD 36: STA. 41+51	LAT. 66°52'29.37"N	LONG. 162°36'56.89"W
WATERLANE THRESHOLD 1: STA. 25+00	LAT. NONE	LONG. 66°52'46.6"N
WATERLANE THRESHOLD 19: STA. 0+00	LAT. NONE	LONG. 66°53'09.1"N
WATERLANE THRESHOLD 19: STA. 0+00	LAT. NONE	LONG. 162°36'41.9"W

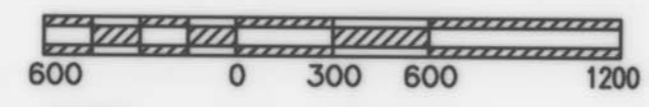
* ARP CALCULATION DOES NOT INCLUDE ULTIMATE WATERLANE. DATA BASE CONTROL YEAR: NAD 83. VERTICAL DATUM IS BASED ON THE RECORD MLLW ELEVATION. THE ALASKA STATE PLANE GRID BEARING FOR R/W 9-27 IS S 77°40'01" E. THE GEODETIC COORDINATES WERE CALCULATED FROM GPS READINGS ON R/W 9-27 CENTERLINE MONUMENT AT STA. 0+00.

	RUNWAY 9-27		RUNWAY 18-36		WATERLANE 1-19	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
% WIND COVERAGE	93%/18 MPH	SAME	95%/15 MPH	SAME	94%/12 MPH	SAME
INSTRUMENT RUNWAY	ILS	SAME	N/A	SAME	N/A	SAME
RUNWAY SURFACE TYPE	ASPHALT	SAME	GRAVEL	SAME	WATER	N/A
APPROACH VISIBILITY MINIMUM	>3/4mi/2mi	SAME	2mi	SAME	2mi	SAME
PAVEMENT STRENGTH	128,000#	SAME	N/A	SAME	N/A	SAME
APPROACH SURFACES	50:1/20:1	50:1/34:1	20:1/20:1	SAME	20:1/20:1	SAME
RUNWAY LIGHTING	HIRL	SAME	MIRL	SAME	NONE	SAME
RUNWAY MARKING	PRECISION	SAME	NONE	SAME	NONE	SAME
VISUAL APPROACH AIDS	VASI, REILS, MALS	SAME	NONE	SAME	NONE	SAME
R/W TOUCHDOWN ZONE ELEVATIONS	13.2'/14.4'	SAME	11.2'/10.8'	SAME	5.0'/5.0'	SAME
R/W DIMENSIONS	5900' x 150'	SAME	3876' x 90'	3876' x 75'	2500' x 100'	SAME
R/W SAFETY AREA	8200' x 340'	6702' x 340'	4416' x 100'	4476' x 150'	2500' x 200'	SAME
R/W OBJECT FREE AREA (ROFA)	7900' x 800'	SAME	4476' x 500'	SAME	2980' x 250'	SAME
R/W OBSTACLE FREE ZONE (ROFZ)	8300' x 400'	SAME	4276' x 400'	SAME	2900' x 120'	SAME
T/W WIDTH	SEE CHART	SEE CHART	SEE CHART	SEE CHART	NONE	SAME
T/W SAFETY AREA WIDTH	SEE CHART	SEE CHART	SEE CHART	SEE CHART	NONE	SAME

NONSTANDARD CONDITIONS			
ITEM	STANDARD	EXISTING	ULTIMATE
R/W 9-27			
S.A. WIDTH	500'	340'	340'
S.A. LENGTH BEYOND THRESHOLD	1000'	100'/200'	402'/400'
ACCESS RD. IN SAFETY AREA	NONE	YES	SAME
R/W 18-36			
S.A. LENGTH BEYOND THRESHOLD	300'	300'/240'	300'/300'
T/W S.A. WIDTHS	80'	50'/50'/80'	SEE SHEET 2
WATERLANE ACCESS ROAD	300' RT.	225' RT.	SAME
OFFSET FROM R/W 18/36 C/L			
SEWAGE LAGOON SEPARATION FROM R/W C/L	10,000'	250'	250'
ROFA	500'	150'	500'
GENERAL AVIATION PARKING IN ROFA	NONE	YES	TO BE MOVED
AIR FORCE ROAD IN ROFA	NONE	YES	SAME

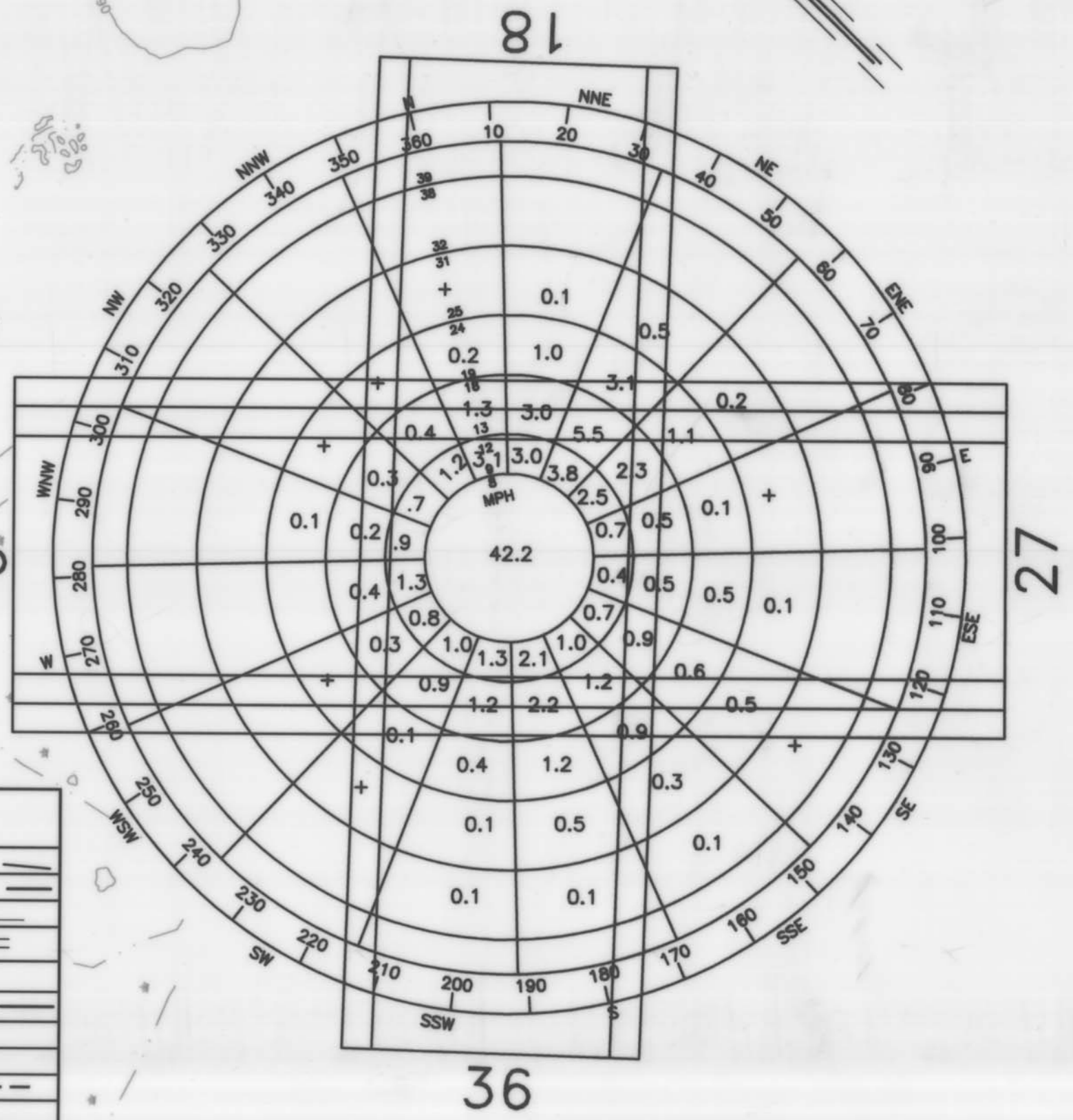


EXISTING TAXIWAY DATA		
T/W	R/W 9-27	R/W 18-36
T/W "A" WIDTH	50'	
T/W "A" SAFETY AREA WIDTH	120'	
T/W "B" WIDTH	50'	
T/W "B" SAFETY AREA WIDTH	120'	
T/W "C" WIDTH	90'	
T/W "C" SAFETY AREA WIDTH	120'	
T/W "D" WIDTH	90'	
T/W "D" SAFETY AREA WIDTH	120'	
T/W "E" WIDTH	90'	
T/W "E" SAFETY AREA WIDTH	120'	
T/W "F" WIDTH	50'	
T/W "F" SAFETY AREA WIDTH	100'	
T/W "G" WIDTH		50'
T/W "G" SAFETY AREA WIDTH		100'



NOTES
NO OFZ OBJECT PENETRATIONS.
NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

EXISTING LEGEND	
SHORELINE/WATERLINE	---
PROPERTY LINE	---
BUILDING RESTRICTION LINE (B.R.L.)	---
ROADWAYS	---
WIND CONE & SEGMENTED CIRCLE	⊙
FENCING	X
ANTENNAE/TOWERS	△
VASI	⊥
ILS/CRITICAL ZONES	---
ROTATING BEACON	⊙
THRESHOLD	---
OVERHEAD POWER	---
AVIATION & HAZARD LEASE	---
BUILDINGS	▨
WATER	▨
FAA PROPERTY	▨
KIC PROPERTY	▨
WETLANDS	▨



WIND ROSE
PERCENT WIND COVERAGE AT 15MPH
 RUNWAY 9-27 @15 MPH: 87%
 RUNWAY 9-27 @18 MPH: 93%
 RUNWAY 18-36 @15 MPH: 95%
 COMBINED COVERAGE @15 MPH: 99%
 CLIMATE CENTER, UNIVERSITY OF ALASKA
 WIND DATA PERIOD: 01/01/1945 THRU 12/31/1987

Plotted 4/6/2011 7:12 AM by Steve Tjaden
I:\1173900\Drawings\C\ALP Update\ALP\Kotz Dwg\1282.01-4-KOTZ_1_3_6.dwg

DESIGN	BY	DATE	REVISIONS
KEK	KEK	JUNE 09	AS-BUILT
	BCL	2/01/11	GATES UPDATE
	SMT	3/21/11	UPDATED FAA 3/7/2011
CHECKED	NBS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RALPH WIEN MEMORIAL AIRPORT
APPROVED: *Ryan Anderson* DATE: 5/9/2011
RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

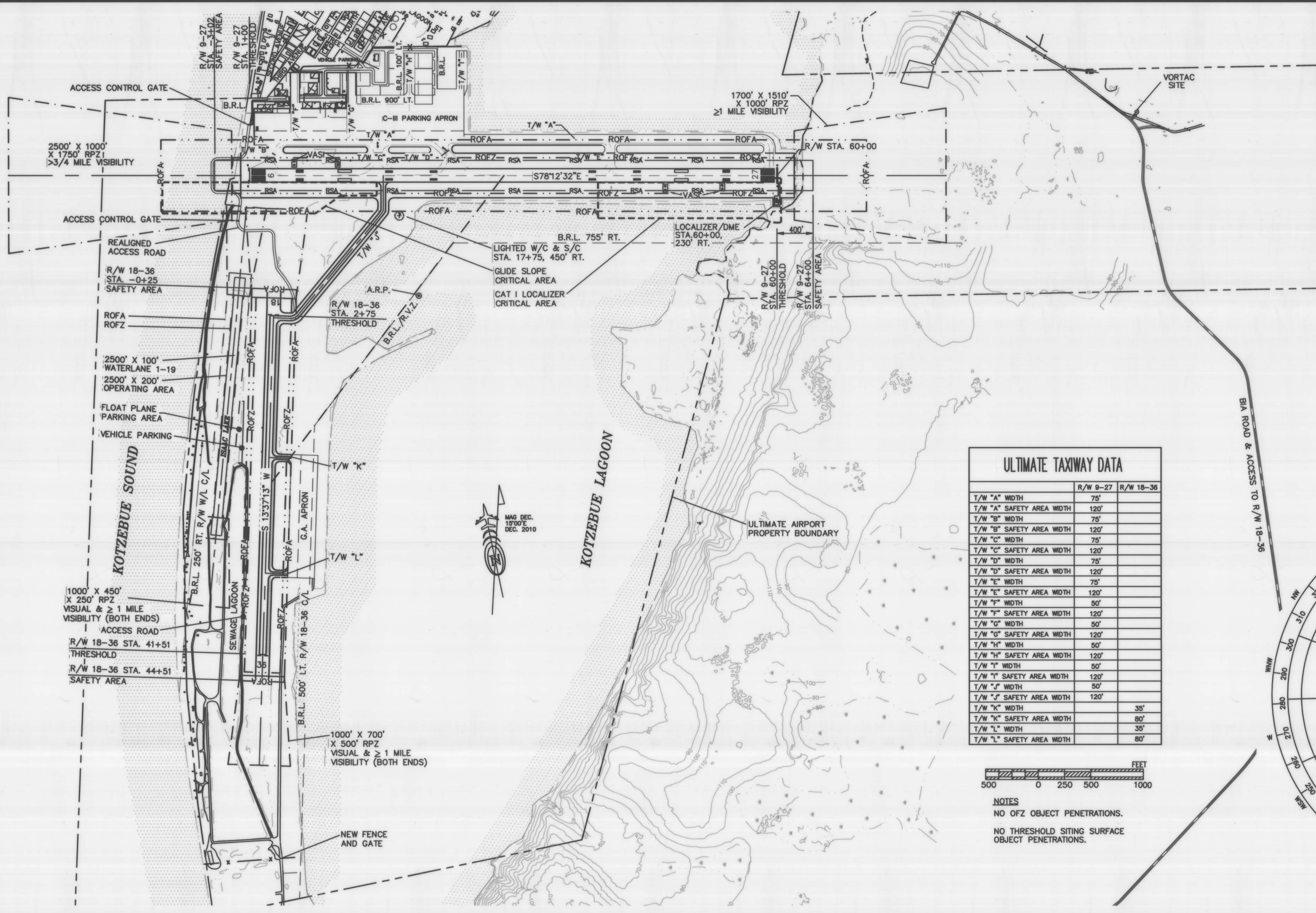
AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 5/16/11
Paula
AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.
THIS ALP SUPERSEDES ALP SIGNED: 12/15/99
THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)
RECORD DRAWINGS:
KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND
SAFETY AREA EXPANSION, 61318
KOTZEBUE ARFF & SREB, 60556
KOTZEBUE SAND STORAGE, 62611
AIRPORT COMPLIANCE, 63184

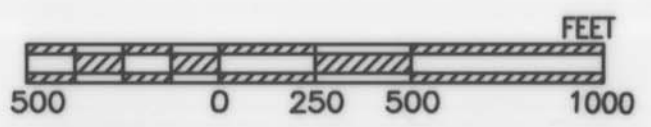
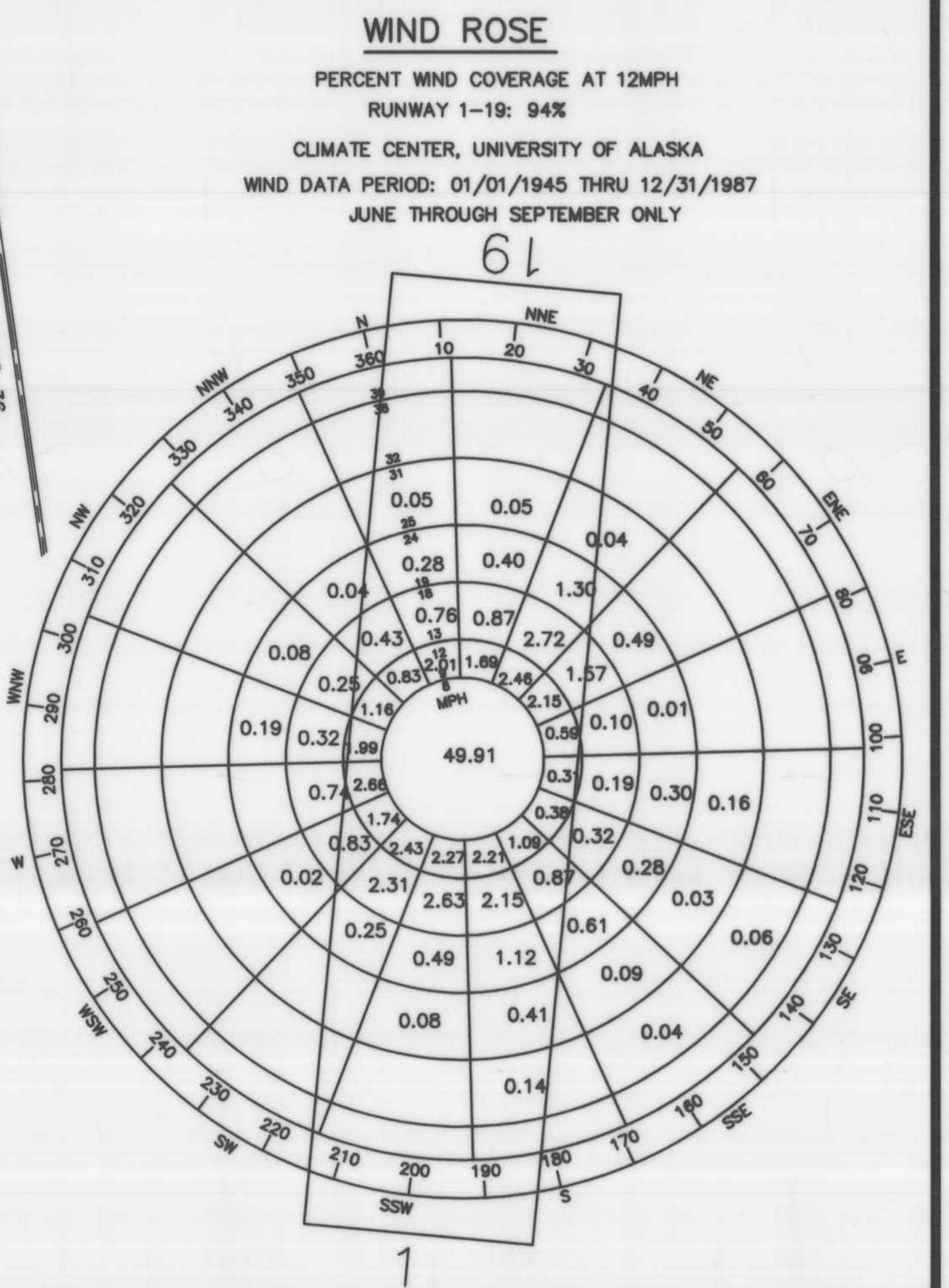
RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
EXISTING
AIRPORT LAYOUT PLAN

SHEET
1 OF
12

ULTIMATE LEGEND	
SHORELINE/WATERLINE	---
PROPERTY LINE	---
BUILDING RESTRICTION LINE (B.R.L.)	B.R.L.
ROADWAYS	---
WIND CONE & SEGMENTED CIRCLE	⊙
FENCING	X
ANTENNAE/TOWERS	⊙
VASI	⊙
ILS/CRITICAL ZONES	---
ROTATING BEACON	⊙
THRESHOLD	---
OVERHEAD POWER	---
BUILDINGS	⊗
WATER	⊙
WETLANDS	⊙



ULTIMATE TAXIWAY DATA		
	R/W 9-27	R/W 18-36
T/W "A" WIDTH	75'	
T/W "A" SAFETY AREA WIDTH	120'	
T/W "B" WIDTH	75'	
T/W "B" SAFETY AREA WIDTH	120'	
T/W "C" WIDTH	75'	
T/W "C" SAFETY AREA WIDTH	120'	
T/W "D" WIDTH	75'	
T/W "D" SAFETY AREA WIDTH	120'	
T/W "E" WIDTH	75'	
T/W "E" SAFETY AREA WIDTH	120'	
T/W "F" WIDTH	50'	
T/W "F" SAFETY AREA WIDTH	120'	
T/W "G" WIDTH	50'	
T/W "G" SAFETY AREA WIDTH	120'	
T/W "H" WIDTH	50'	
T/W "H" SAFETY AREA WIDTH	120'	
T/W "I" WIDTH	50'	
T/W "I" SAFETY AREA WIDTH	120'	
T/W "J" WIDTH	50'	
T/W "J" SAFETY AREA WIDTH	120'	
T/W "K" WIDTH		35'
T/W "K" SAFETY AREA WIDTH		80'
T/W "L" WIDTH		35'
T/W "L" SAFETY AREA WIDTH		80'



NOTES
 NO OFZ OBJECT PENETRATIONS.
 NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

Plotted 4/6/2011 7:14 AM by Steve Tjaden
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DESIGN	KEK	BY	DATE	REVISIONS
		EJM	3/25/05	ADDED SAND STORAGE BLDG.
		TAD	4/11/05	FAA APPROVED
		KEK	JUNE 09	ALP AS-BUILT
		BCL	2/01/11	GATES UPDATE
		SMT	3/21/11	UPDATED FAA 3/7/2011
DRAWN	KEK			
CHECKED	NBS			

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 RALPH WIEN MEMORIAL AIRPORT

APPROVED: *Ryan Anderson*
 RYAN ANDERSON P.E. DATE: 5/19/2011
 AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 5/16/11

[Signature]
 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.

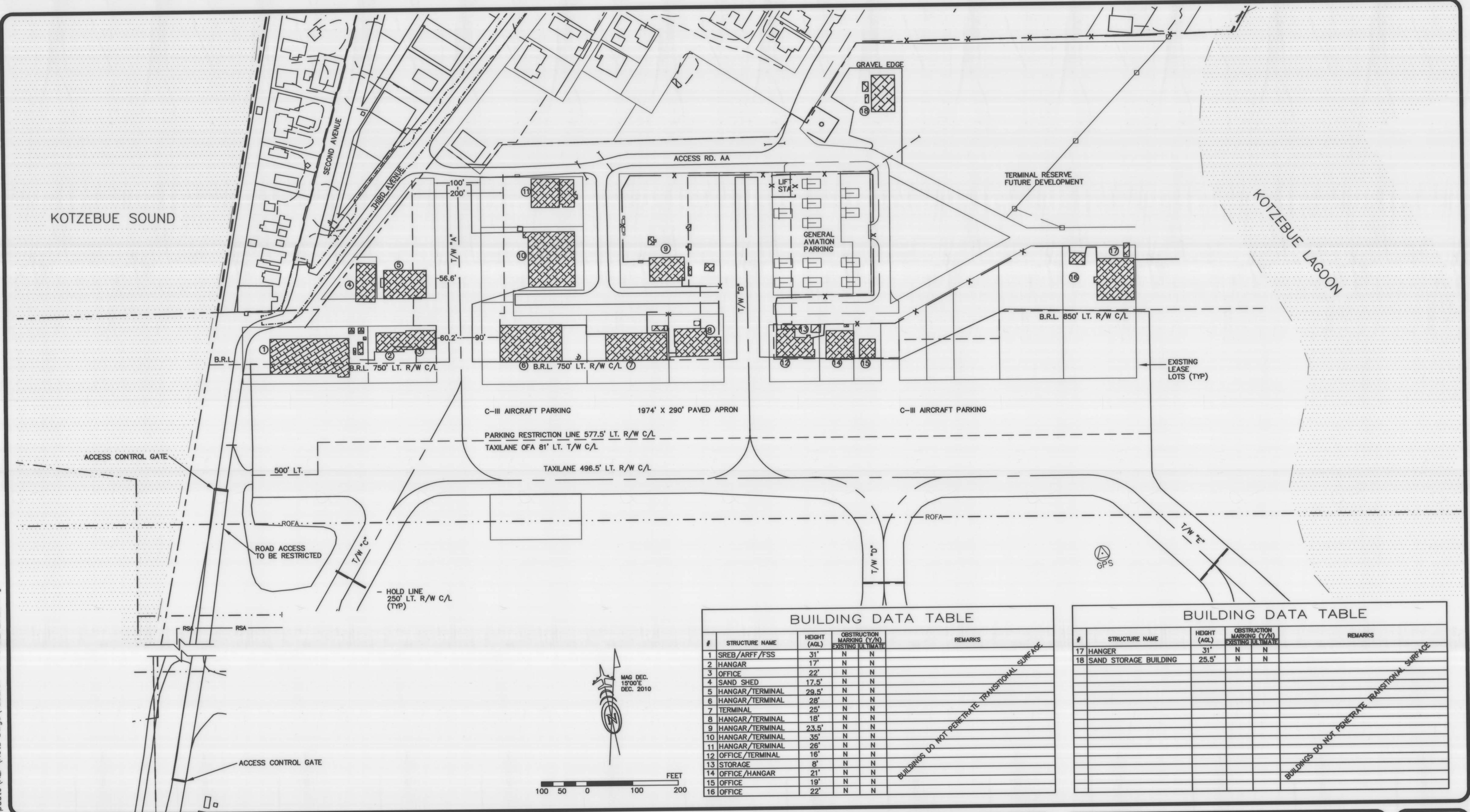
THIS ALP SUPERSEDES ALP SIGNED: 04/11/05
 THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)
 RECORD DRAWINGS:
 KOTZEBUE EASTSIDE OBSTRUCTION REMOVAL AND
 SAFETY AREA EXPANSION, 61318
 KOTZEBUE ARFF & SREB, 60556
 KOTZEBUE SAND STORAGE, 62611
 AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA

ULTIMATE
 AIRPORT LAYOUT PLAN

SHEET
 2 OF
 12

Plotted 4/6/2011 7:12 AM by Steve Tjaden
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BUILDING DATA TABLE					
#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)		REMARKS
			EXISTING	ULTIMATE	
1	SREB/ARFF/FSS	31'	N	N	
2	HANGAR	17'	N	N	
3	OFFICE	22'	N	N	
4	SAND SHED	17.5'	N	N	
5	HANGAR/TERMINAL	29.5'	N	N	
6	HANGAR/TERMINAL	28'	N	N	
7	TERMINAL	25'	N	N	
8	HANGAR/TERMINAL	18'	N	N	
9	HANGAR/TERMINAL	23.5'	N	N	
10	HANGAR/TERMINAL	35'	N	N	
11	HANGAR/TERMINAL	26'	N	N	
12	OFFICE/TERMINAL	16'	N	N	
13	STORAGE	8'	N	N	
14	OFFICE/HANGAR	21'	N	N	
15	OFFICE	19'	N	N	
16	OFFICE	22'	N	N	

BUILDING DATA TABLE					
#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)		REMARKS
			EXISTING	ULTIMATE	
17	HANGER	31'	N	N	
18	SAND STORAGE BUILDING	25.5'	N	N	

DESIGN	KEK
DRAWN	KEK
CHECKED	NBS

BY	DATE	REVISIONS
KEK	JUNE 09	ALP AS-BUILT
BCL	2/01/11	GATES UPDATE
SMT	3/21/11	UPDATED FAA 3/7/2011

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 RALPH WIEN MEMORIAL AIRPORT

APPROVED

 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

DATE 5/9/2011

AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 5/16/11

AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
 AIRSPACE REVIEW #2011-AAL-19-NRA

PLANS DEVELOPED BY: R&M CONSULTANTS, INC.

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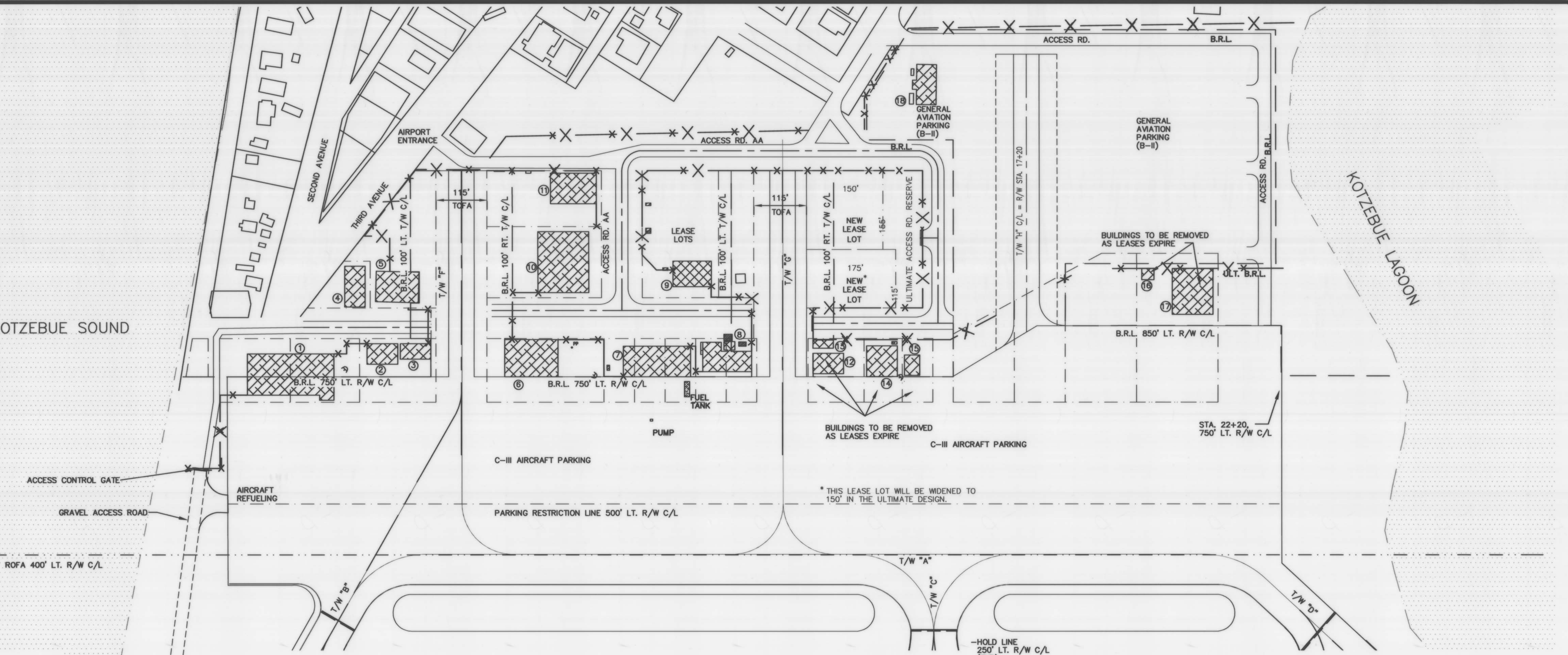
RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA

R/W 9-27 TERMINAL PLAN
 EXISTING TERMINAL LAYOUT

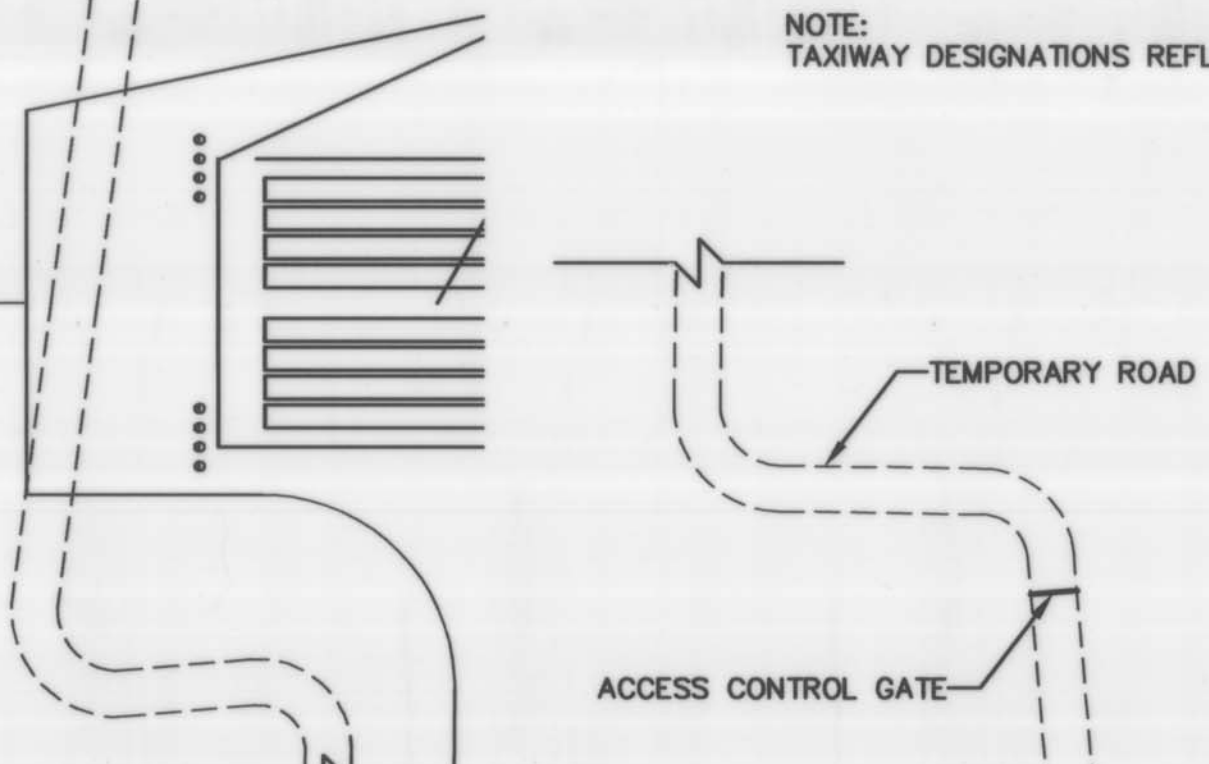
SHEET
 3 OF 12

KOTZEBUE SOUND

KOTZEBUE LAGOON



NOTE: TAXIWAY DESIGNATIONS REFLECT ULTIMATE.



BUILDING DATA TABLE

#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)	REMARKS
1	ARFF/SREB/FSS	31'	N	N
2	HANGAR	17'	N	N
3	OFFICE	22'	N	N
4	SAND SHED	17.5'	N	N
5	HANGAR/TERMINAL	29.5'	N	N
6	HANGAR/TERMINAL	28'	N	N
7	TERMINAL	25'	N	N
8	HANGAR/TERMINAL	18'	N	N
9	HANGAR/TERMINAL	23.5'	N	N
10	HANGAR/TERMINAL	35'	N	N
11	HANGAR/TERMINAL	26'	N	N
12	OFFICE/TERMINAL	16'	N	N
13	STORAGE	8'	N	N
14	OFFICE/HANGAR	21'	N	N
15	OFFICE	19'	N	N
16	OFFICE	22'	N	N

BUILDINGS DO NOT PENETRATE TRANSITIONAL SURFACE

BUILDING DATA TABLE

#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)	REMARKS
17	HANGAR	31'	N	N
18	SAND STORAGE BUILDING	25.5'	N	N

BUILDINGS DO NOT PENETRATE TRANSITIONAL SURFACE

DESIGN	BY	DATE	REVISIONS
KEK	KEK	JUNE 09	ALP AS-BUILT
DRAWN	BCL	2/01/11	GATES UPDATE
CHECKED	SMT	3/21/11	UPDATED FAA 3/7/2011

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 RALPH WIEN MEMORIAL AIRPORT

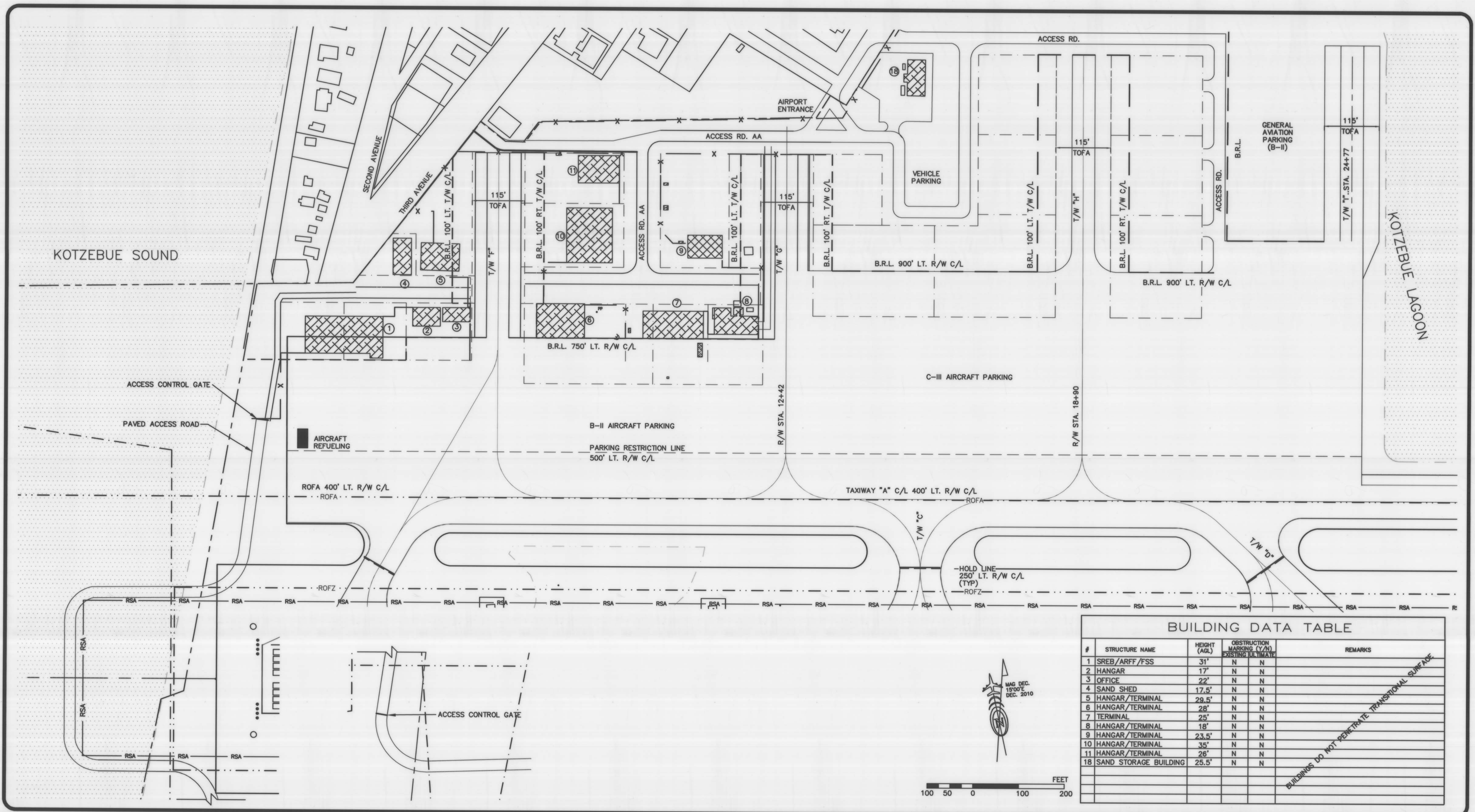
APPROVED: *Ryan Anderson*
 RYAN ANDERSON P.E. DATE: 5/9/2011
 AIRPORT DESIGN GROUP CHIEF

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 BY LETTER DATED: 5/16/11
[Signature]
 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
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RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA
**R/W 9-27 TERMINAL PLAN
 INTERIM TERMINAL LAYOUT**

SHEET
4
 OF
12



BUILDING DATA TABLE

#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)	REMARKS
1	SREB/ARFF/FSS	31'	N N	
2	HANGAR	17'	N N	
3	OFFICE	22'	N N	
4	SAND SHED	17.5'	N N	
5	HANGAR/TERMINAL	29.5'	N N	
6	HANGAR/TERMINAL	28'	N N	
7	TERMINAL	25'	N N	
8	HANGAR/TERMINAL	18'	N N	
9	HANGAR/TERMINAL	23.5'	N N	
10	HANGAR/TERMINAL	35'	N N	
11	HANGAR/TERMINAL	26'	N N	
18	SAND STORAGE BUILDING	25.5'	N N	

BUILDINGS DO NOT PENETRATE TRANSITIONAL SURFACE

DESIGN	KEK
DRAWN	KEK
CHECKED	NBS

BY	DATE	REVISIONS
RA	7/28/03	UPDATE ARFF/SREB LOCATION
EJM	11/13/04	FAA APPROVED
EJM	3/25/05	ADDED SAND STORAGE BDLG.
TAD	4/11/05	FAA APPROVED
KEK	JUNE 09	ALP AS-BUILT
BCL	2/01/11	GATES UPDATE
SMT	3/21/11	UPDATED FAA 3/7/2011

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 RALPH WIEN MEMORIAL AIRPORT

APPROVED _____ DATE 5/9/2011
 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 5/16/11
 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
 AIRSPACE REVIEW #2011-AAL-19-NRA

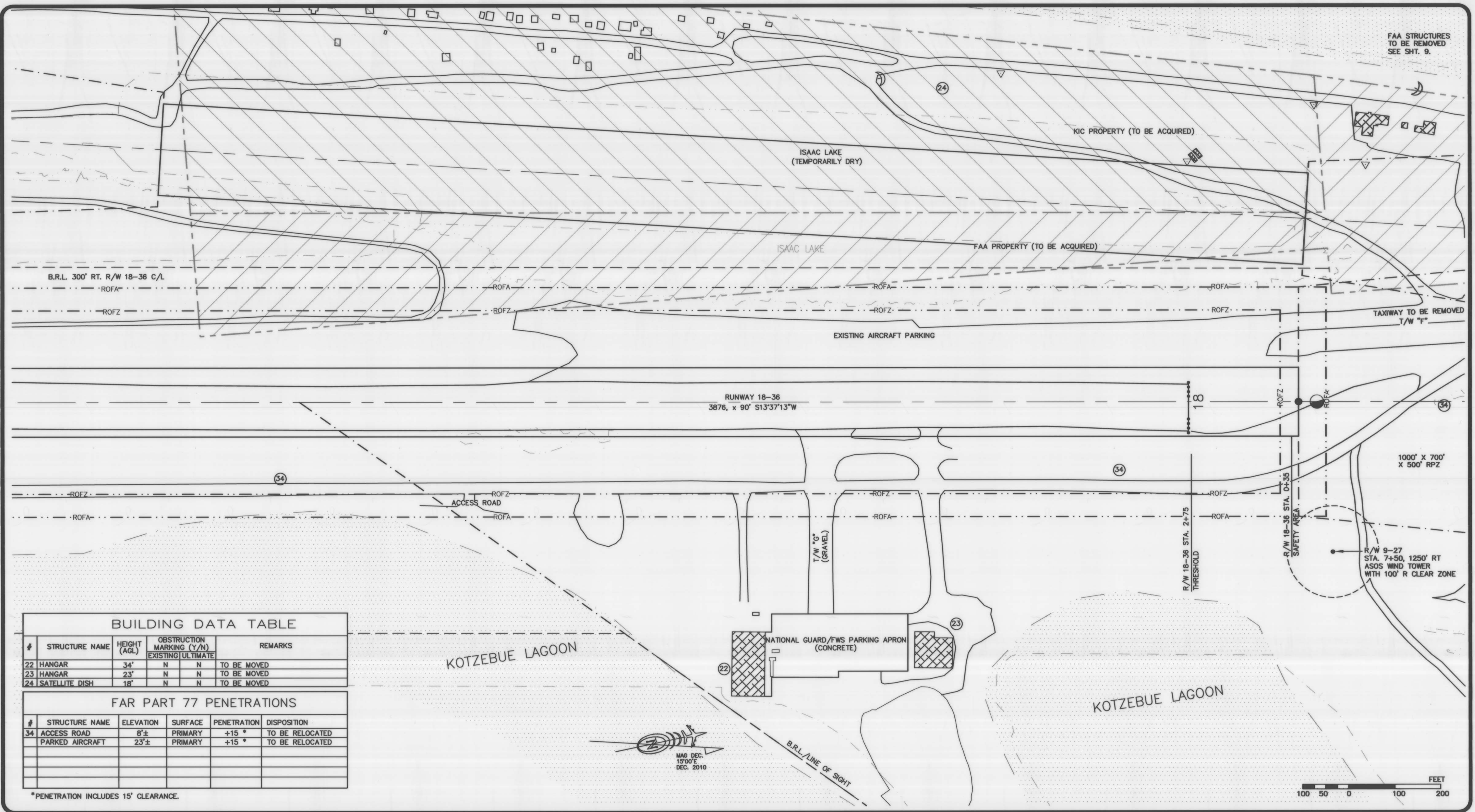
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RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA

R/W 9-27 TERMINAL PLAN
ULTIMATE TERMINAL LAYOUT

SHEET
 5 OF 12

FAA STRUCTURES TO BE REMOVED SEE SHT. 9.



BUILDING DATA TABLE					
#	STRUCTURE NAME	HEIGHT (AGL)	OBSTRUCTION MARKING (Y/N)		REMARKS
			EXISTING	ULTIMATE	
22	HANGAR	34'	N	N	TO BE MOVED
23	HANGAR	23'	N	N	TO BE MOVED
24	SATELLITE DISH	18'	N	N	TO BE MOVED

FAR PART 77 PENETRATIONS					
#	STRUCTURE NAME	ELEVATION	SURFACE	PENETRATION	DISPOSITION
34	ACCESS ROAD	8'±	PRIMARY	+15 *	TO BE RELOCATED
	PARKED AIRCRAFT	23'±	PRIMARY	+15 *	TO BE RELOCATED

*PENETRATION INCLUDES 15' CLEARANCE.



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DESIGN KEK
DRAWN KEK
CHECKED NBS

BY	DATE	REVISIONS
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BCL	2/01/11	GATES UPDATE
SMT	3/21/11	UPDATED FAA 3/7/2011

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RALPH WIEN MEMORIAL AIRPORT

APPROVED

RYAN ANDERSON P.E. DATE 5/9/2011
AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 5/16/11

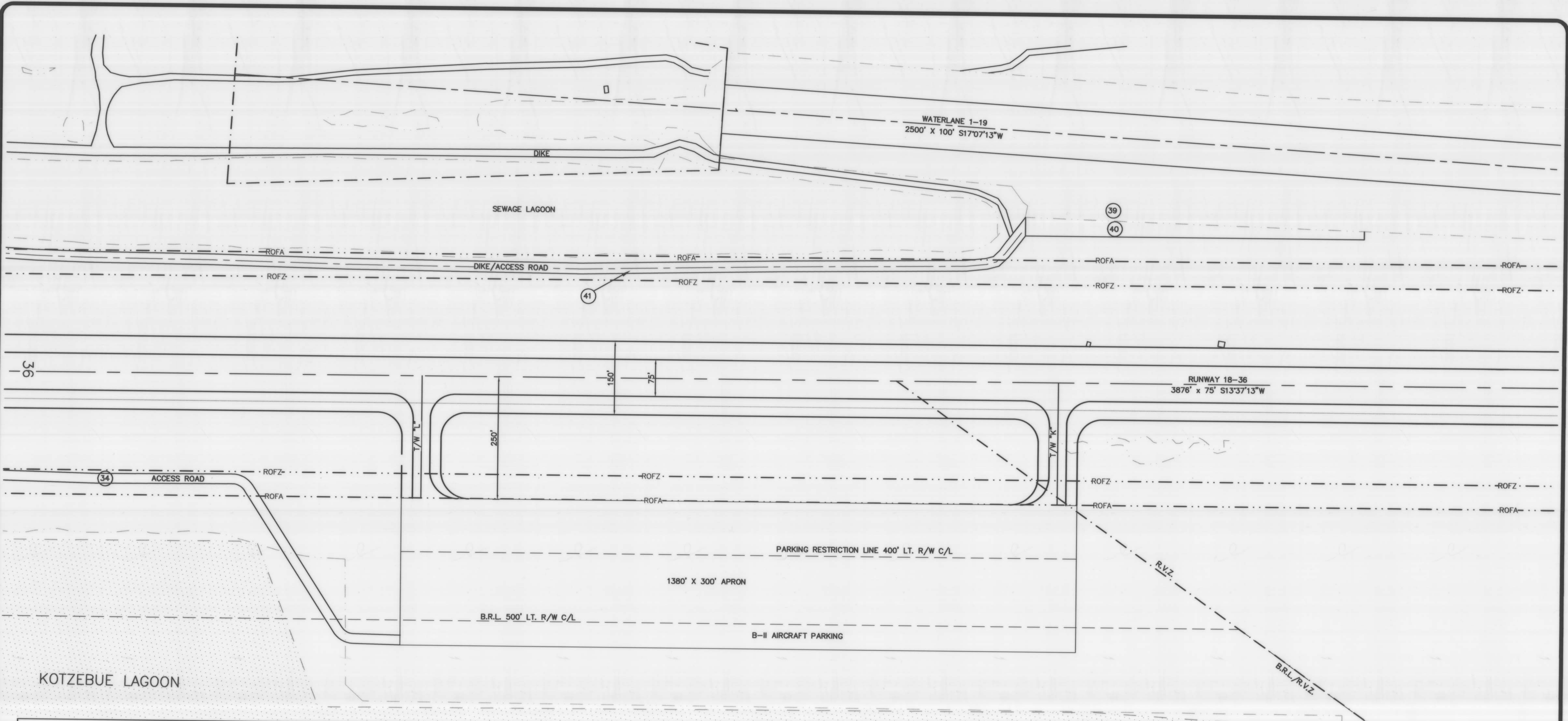
AIRPORTS DIVISION, ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2011-AAL-19-NRA

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THIS ALP IS BASED ON THE FOLLOWING PROJECT(S)
RECORD DRAWINGS:
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KOTZEBUE ARFF & SREB, 60556
KOTZEBUE SAND STORAGE, 62611
AIRPORT COMPLIANCE, 63184

RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
R/W 18-36 TERMINAL PLAN
EXISTING TERMINAL LAYOUT

SHEET
6
OF
12

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FAR PART 77 PENETRATIONS

#	STRUCTURE NAME	TOP (MSL) ELEVATION	SURFACE	PENETRATION	DISPOSITION/REMARKS
34	ACCESS ROAD	8'±	PRIMARY	+15*	NONE
39	PARKED AIRCRAFT	16'±	TRANSITIONAL	NONE	AS PER AIRCRAFT PARKING SEPARATIONS FOR A1 RUNWAY.
40	PARKED VEHICLES	15'±	TRANSITIONAL R/W 18-36	NONE	NONE
41	ACCESS ROAD	8'±	PRIMARY	+15*	BEST SOLUTION FOR ACCESS

* 15' CLEARANCE INCLUDED IN CALCULATION.



NOTES
 NO OFZ OBJECT PENETRATIONS.
 NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.

100 50 0 100 200
 FEET

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STATE OF ALASKA
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APPROVED

 RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

DATE 5/9/2011

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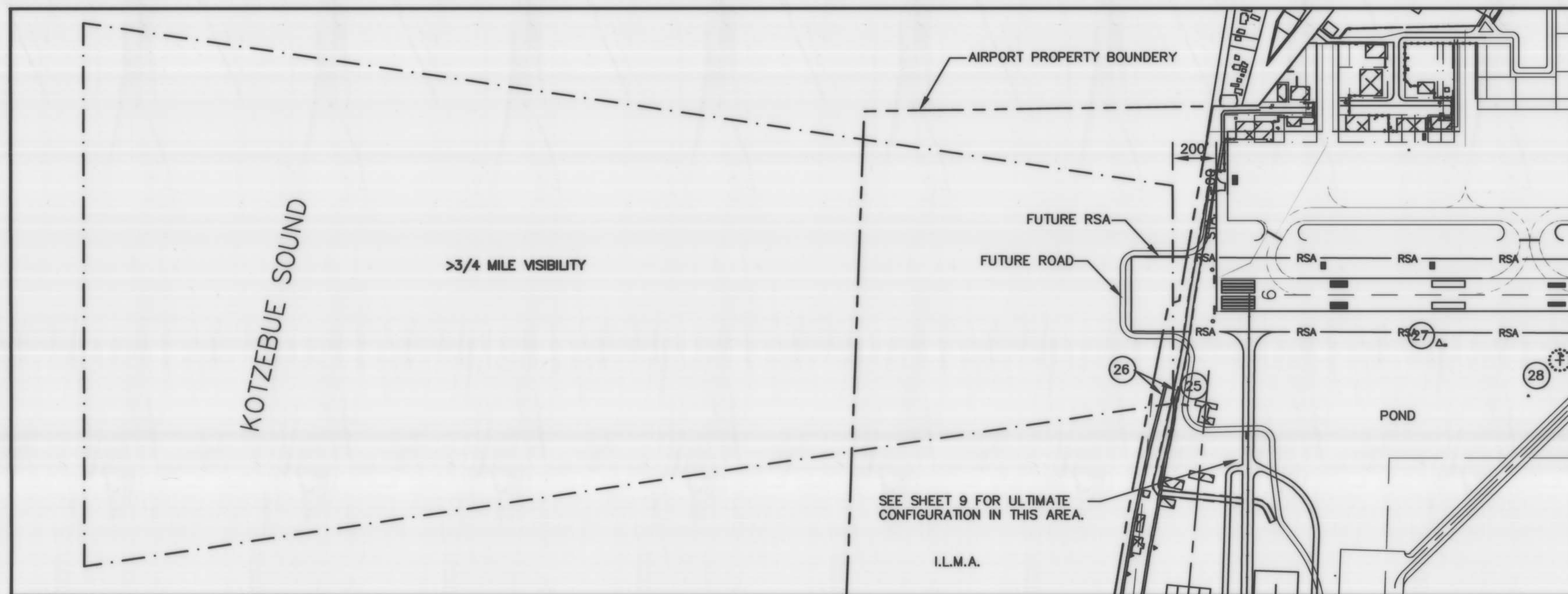
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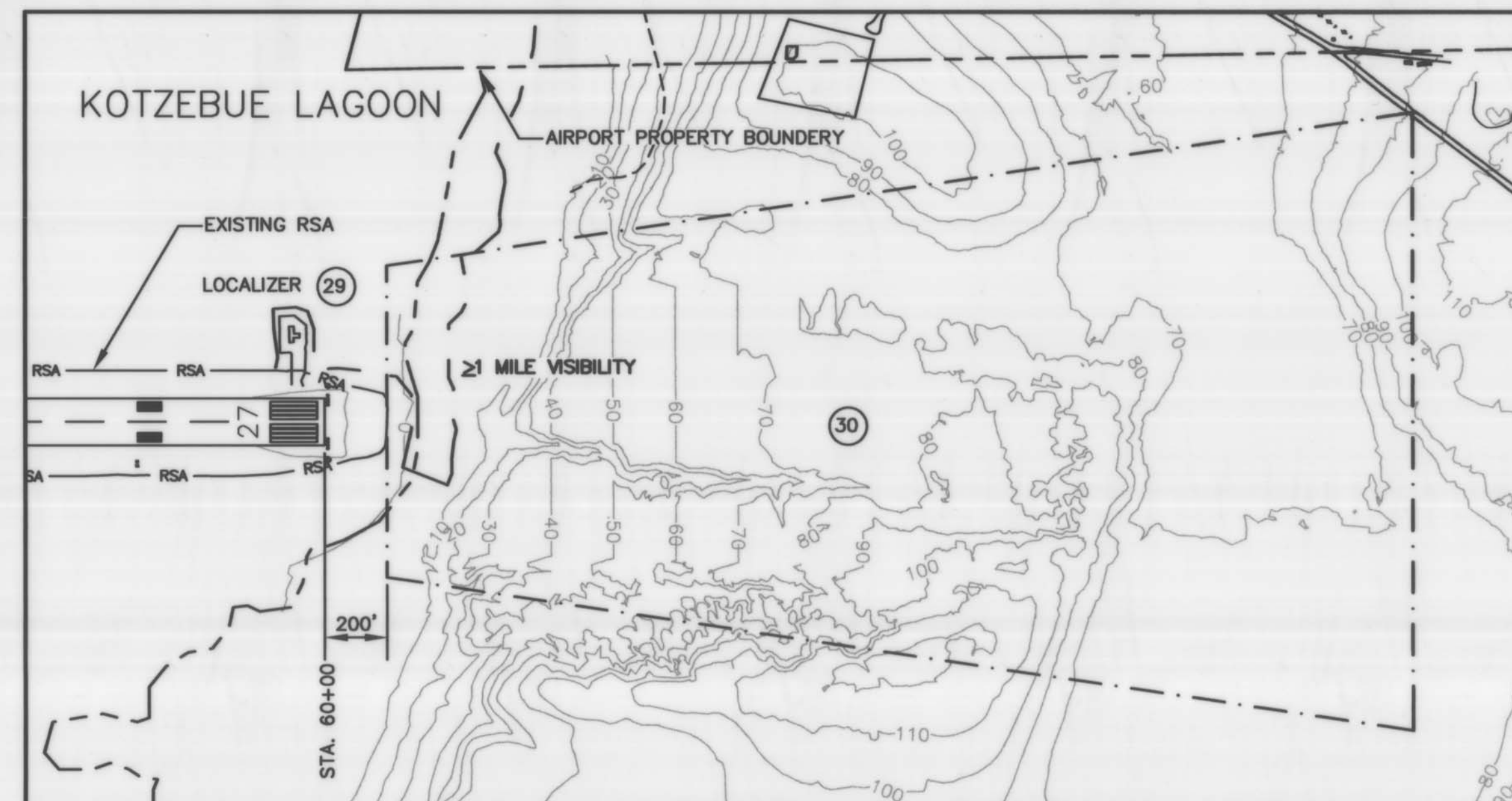
RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA

R/W 18-36 TERMINAL PLAN
ULTIMATE TERMINAL LAYOUT

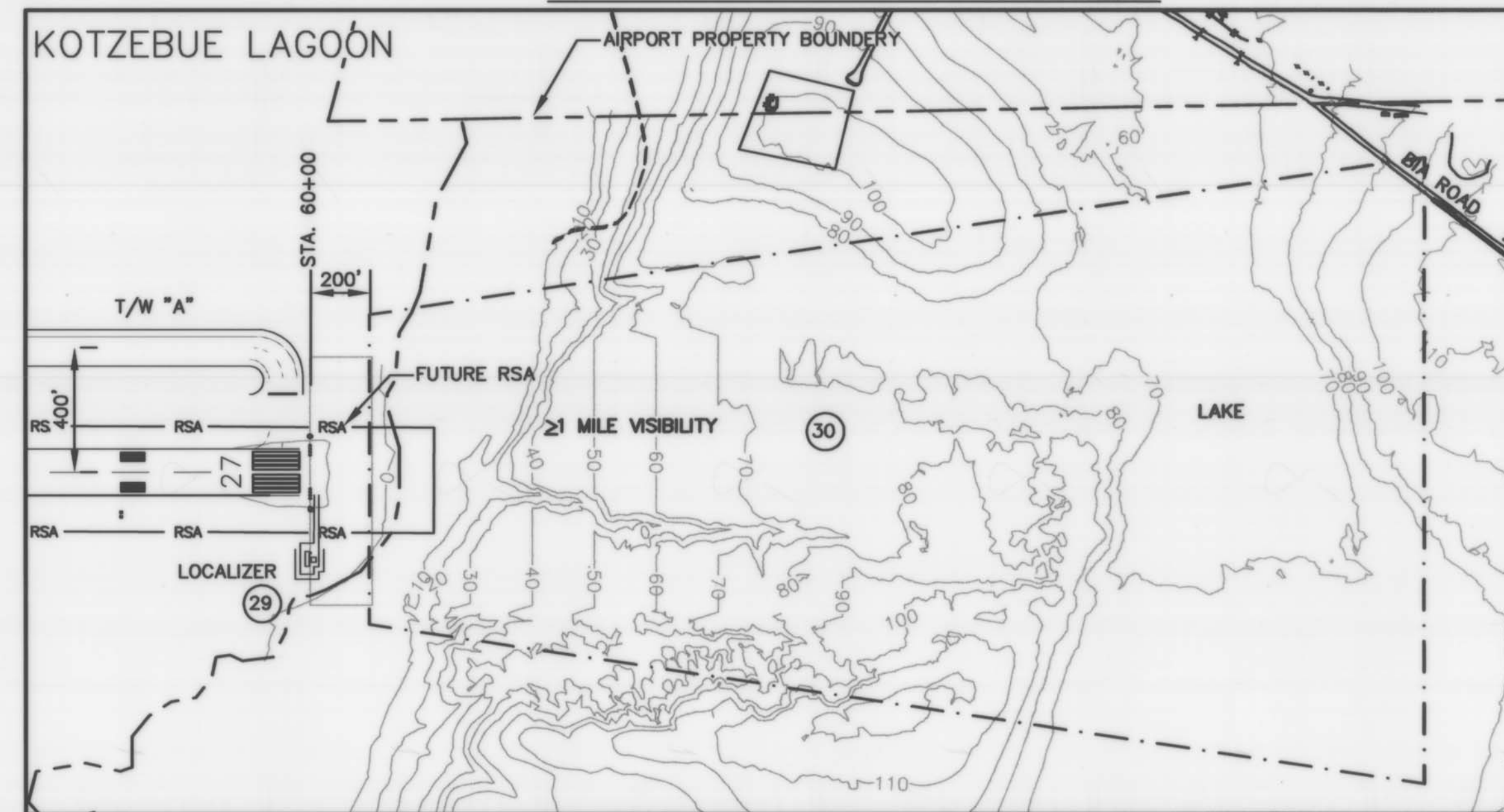
SHEET
 7 OF 12



EXISTING & ULTIMATE RUNWAY 9



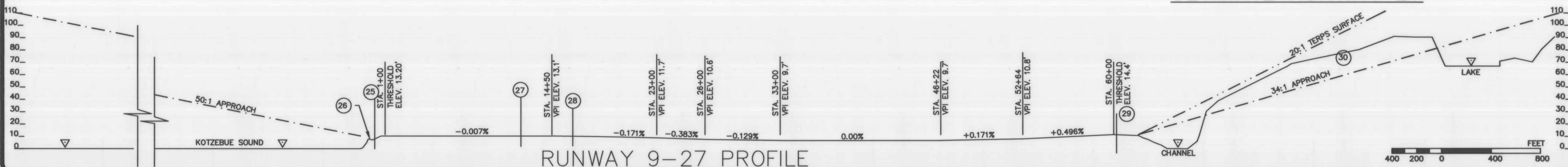
EXISTING RUNWAY 27



ULTIMATE RUNWAY 27

OBSTRUCTION TABLE				
#	STRUCTURE NAME	TOP ELEV. (MSL)	PART 77 SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
25	VENT ON BUILDING	45'	+35'	OBSTRUCTION LIGHT OR BUILDING REMOVAL
26	ROADS	10'	+15'	REMOVAL
27	GLIDE SLOPE ANTENNA	40'	+30'	FIXED BY FUNCTION
28	WIND CONE	31'	+21'	NONE: OBSTRUCTION LIGHT EXISTS
29	LOCALIZER ANTENNA	30'	+19'	NONE: OBSTRUCTION LIGHT EXISTS
30	TERRAIN	≤100'	≤20'	TO REMAIN

NOTES:
1. THERE ARE NO TERRAIN OBSTRUCTIONS IN THE 20:1 TERPS SURFACE.



RUNWAY 9-27 PROFILE

400 200 0 400 800 FEET

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RALPH WIEN MEMORIAL AIRPORT

APPROVED
Ryan Anderson
RYAN ANDERSON P.E.

DATE 5/19/2011
AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 5/16/11

Ryan Anderson

AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2011-AAL-19-NRA

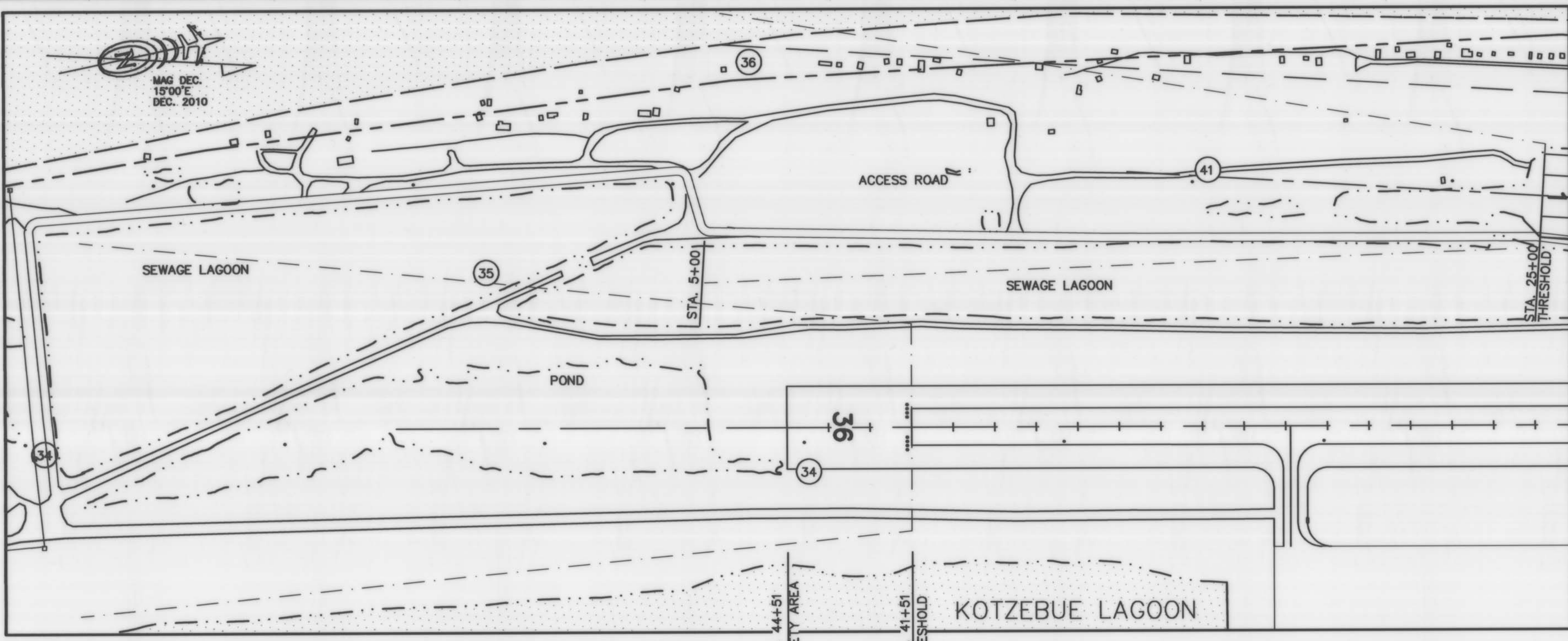
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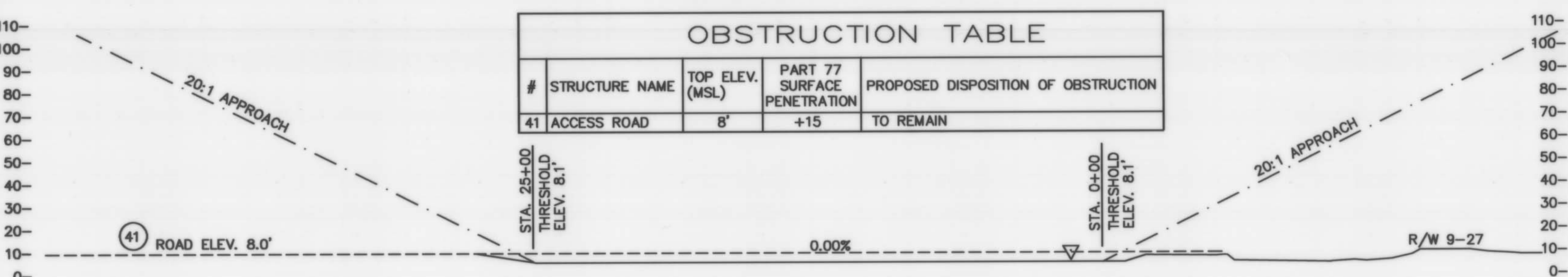
RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
R/W 9-27: INNER PORTION OF
APPROACH SURFACE
PLAN & PROFILE

SHEET
8
OF
12

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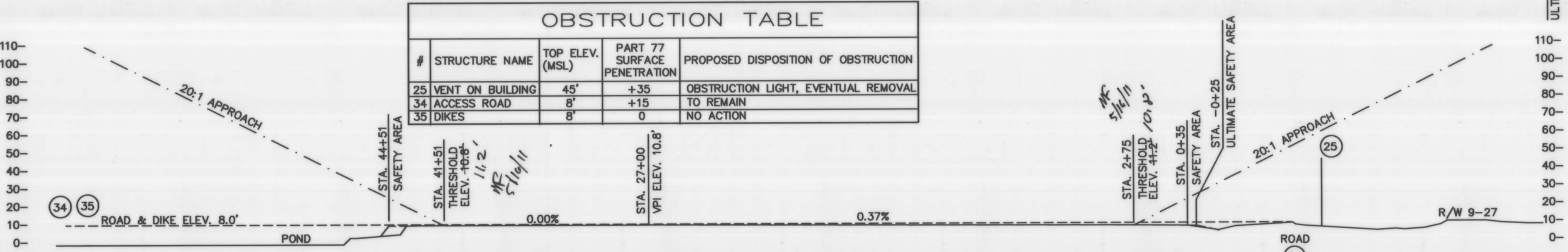


ULTIMATE RUNWAY 36 & WATERLANE SOUTH APPROACH



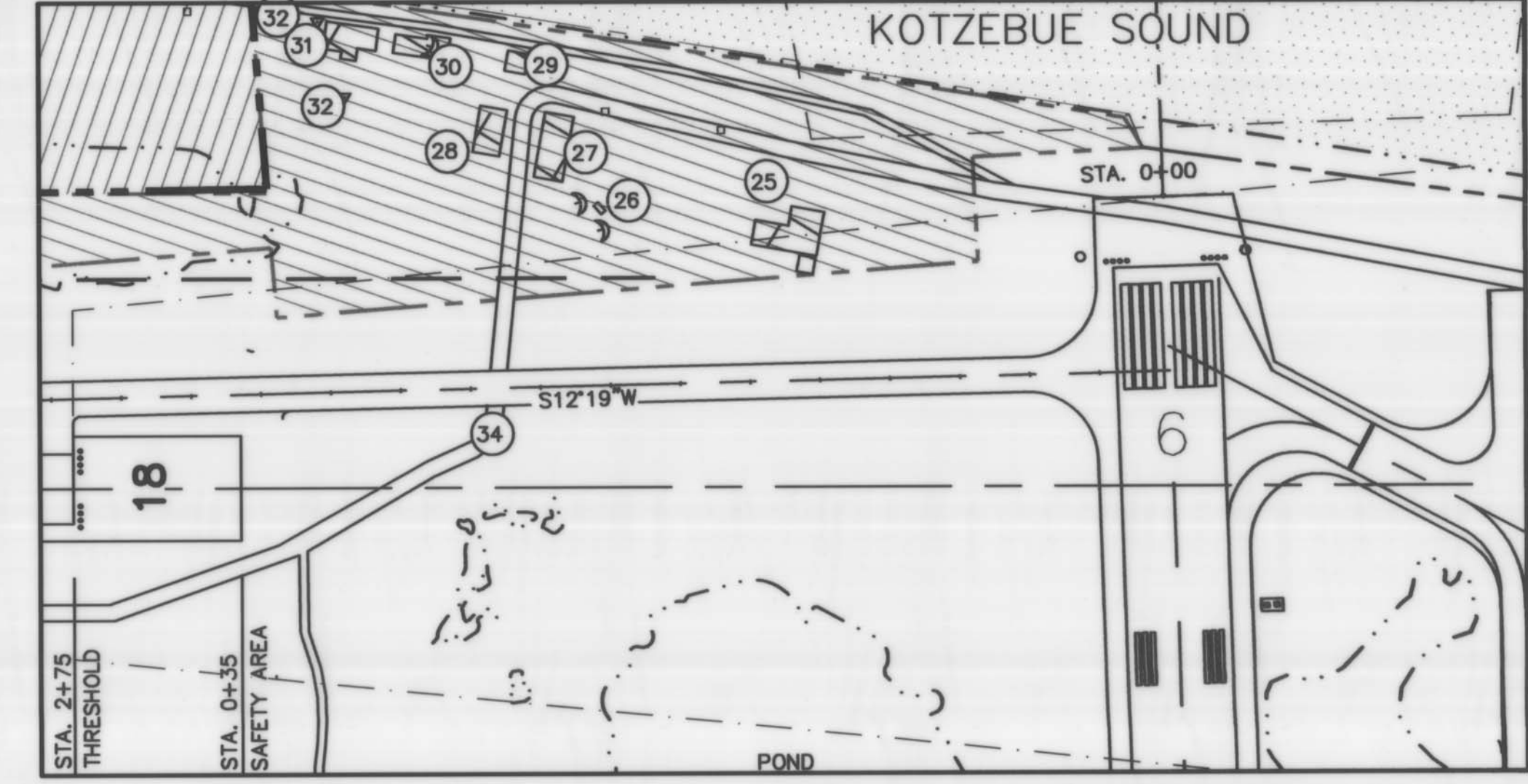
ULTIMATE WATERLANE PROFILE

OBSTRUCTION TABLE			
#	STRUCTURE NAME	TOP ELEV. (MSL)	PROPOSED DISPOSITION OF OBSTRUCTION
41	ACCESS ROAD	8'	TO REMAIN

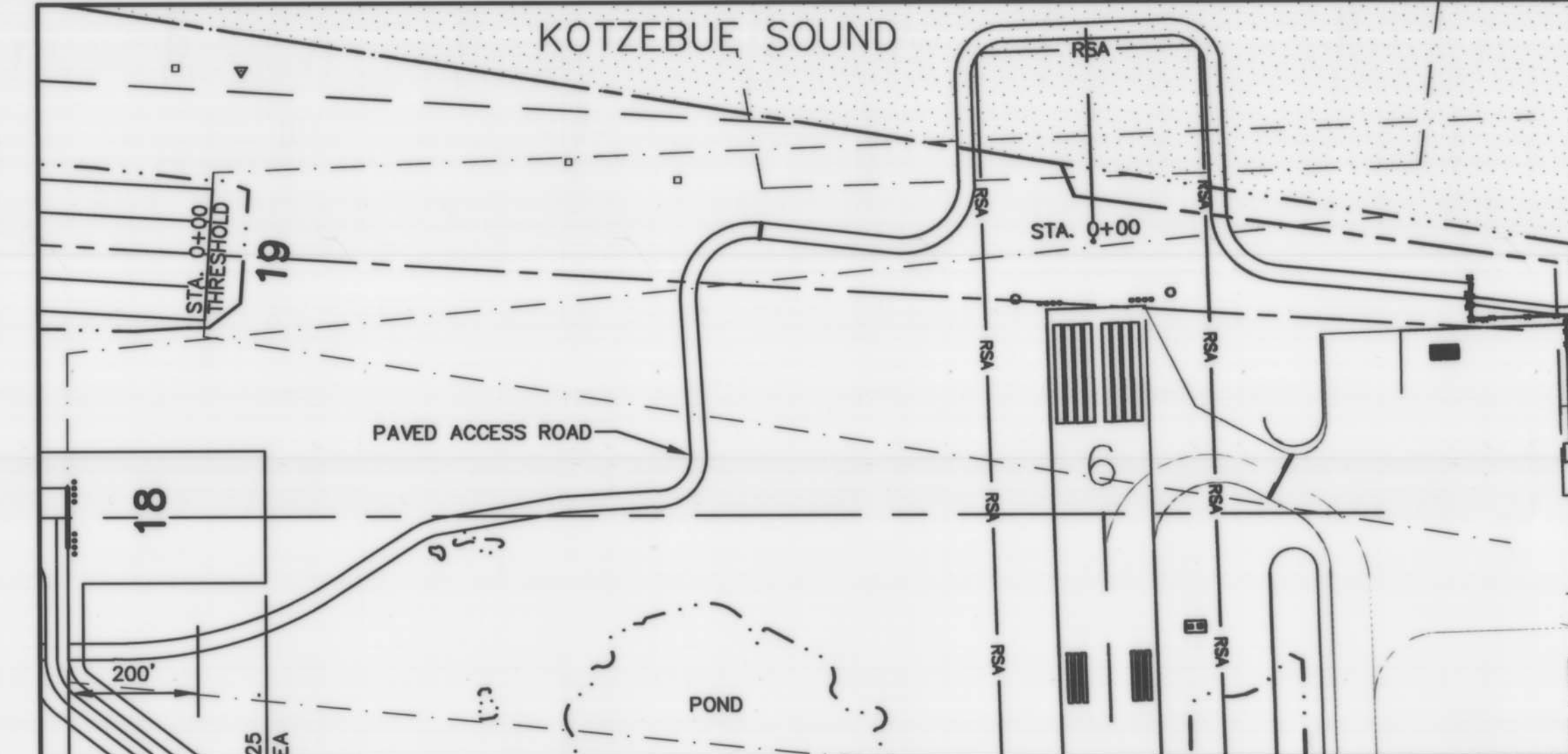


EXISTING & ULTIMATE RUNWAY 18-36 PROFILE

OBSTRUCTION TABLE			
#	STRUCTURE NAME	TOP ELEV. (MSL)	PROPOSED DISPOSITION OF OBSTRUCTION
25	VENT ON BUILDING	45'	OBSTRUCTION LIGHT, EVENTUAL REMOVAL
34	ACCESS ROAD	8'	TO REMAIN
35	DIKES	0	NO ACTION



EXISTING RUNWAY 18 APPROACH



ULTIMATE RUNWAY 18 & WATERLANE NORTH APPROACH

OBSTRUCTION TABLE			
#	STRUCTURE NAME	TOP ELEV. (MSL)	PROPOSED DISPOSITION OF OBSTRUCTION
25	VENT ON BUILDING	45'	OBSTRUCTION LIGHT, EVENTUAL REMOVAL
26	FAA SAT DISH ARRAY	18'	TO BE RELOCATED
27	FAA MAINT OFFICE	15'	REMOVAL
28	FAA SHOP	17.5'	TO BE REMOVED
29	SHACK	8'	TO BE REMOVED
30	NWS & ANTENNA	32'	TO BE RELOCATED
31	FSS	18'	TO BE RELOCATED
32	FAA TOWERS	60'	TO BE RELOCATED
36	SHACKS	8'	NO ACTION

* PENETRATES 9-27 PRIMARY SURFACE

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RALPH WIEN MEMORIAL AIRPORT

APPROVED: *[Signature]* DATE: 5/9/2011
RYAN ANDERSON P.E. AIRPORT DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 5/14/11
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AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2011-AAL-19-NRA

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RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
R/W 18-36: INNER PORTION OF
APPROACH SURFACE
PLAN & PROFILE

SHEET
9 OF
12



REFER TO THE INNER PORTION OF THE APPROACH SURFACE PLAN VIEW DETAILS FOR CLOSE IN OBSTRUCTIONS.

OBSTRUCTION TABLE

#	STRUCTURE NAME	TOP ELEV.	PART 77 SURFACE PENETRATION	PROPOSED DISPOSITION OF OBSTRUCTION
37	VOR/DME ANTENNA	147'	+20	NONE: EXISTING OBSTRUCTION LIGHT.
38	TERRAIN	65-100'	+5-45'	NONE: DOES NOT PENETRATE 20:1 TERPS SURFACE.
42	TOWER	395'	+233'	NONE: PHOTOCELL CONTROLLED LIGHTING

VICINITY MAP

SEC. 9, 10, 15, 16, T17N, R18W, K.R.M., USGS KOTZEBUE (D-2) 1951



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RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
AIRSPACE

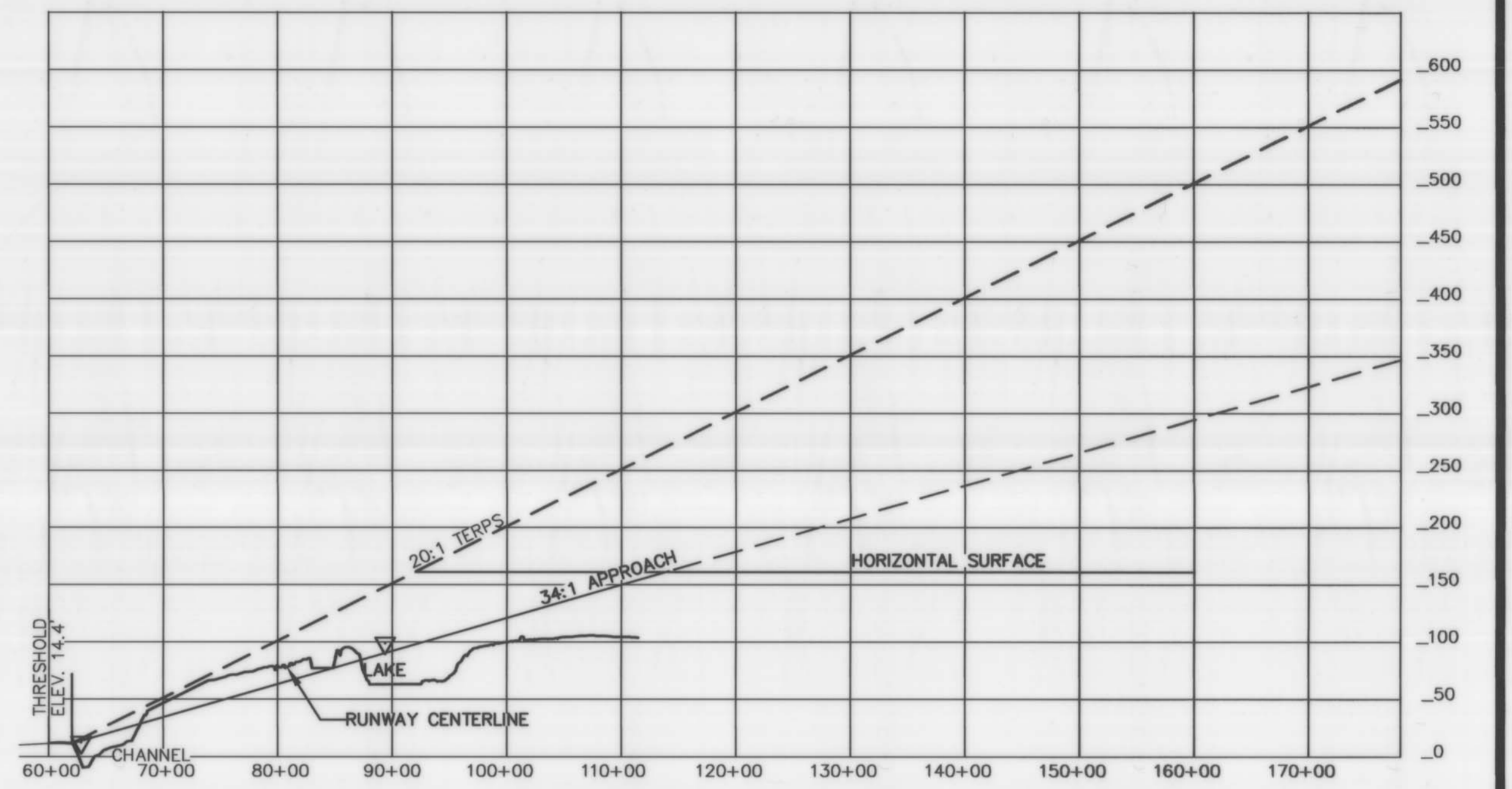
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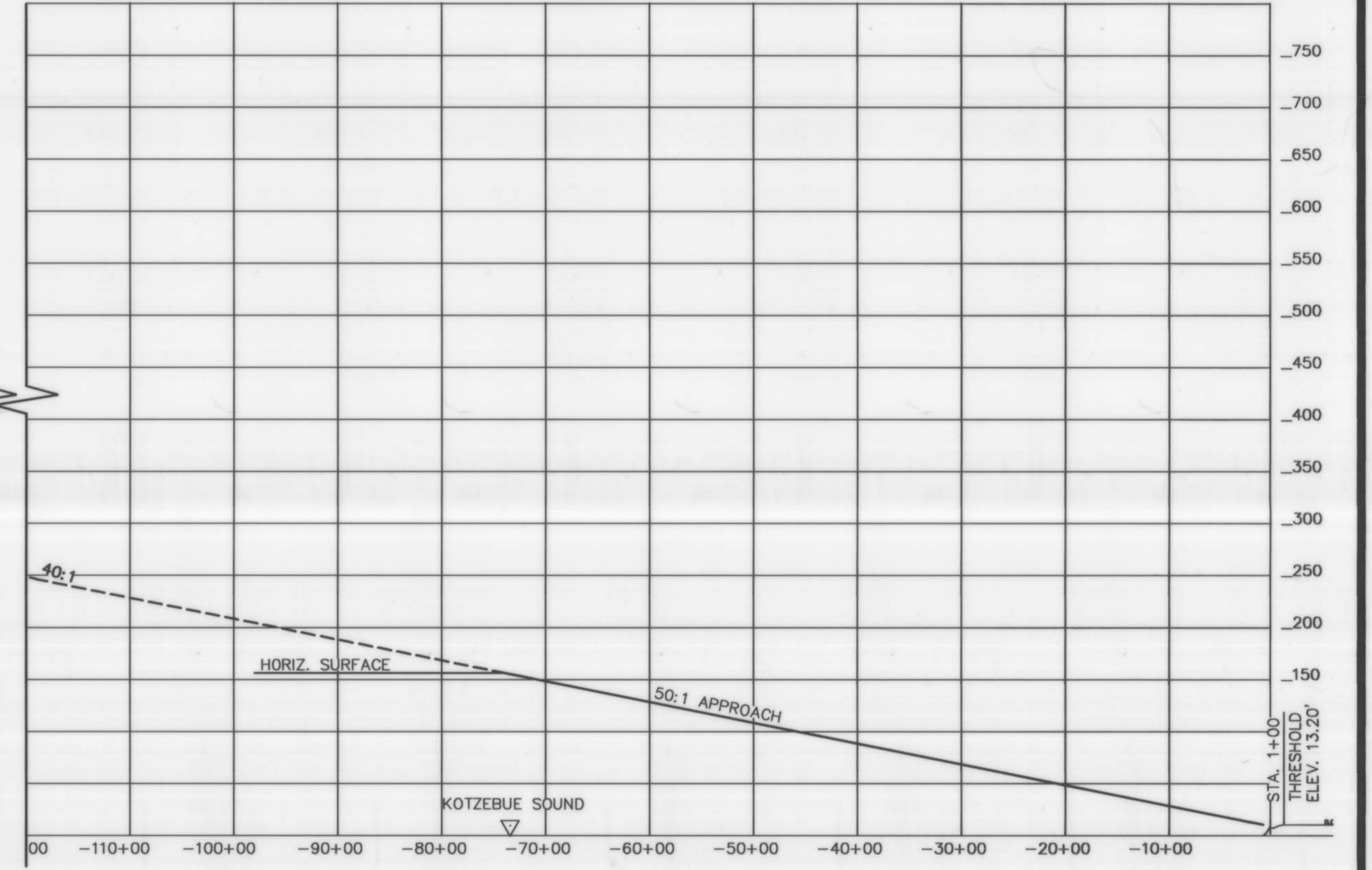
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APPROACH 9 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 27 COMPOSITE ORIGINAL GROUND PROFILE



1000 500 0 1000 2000 FEET

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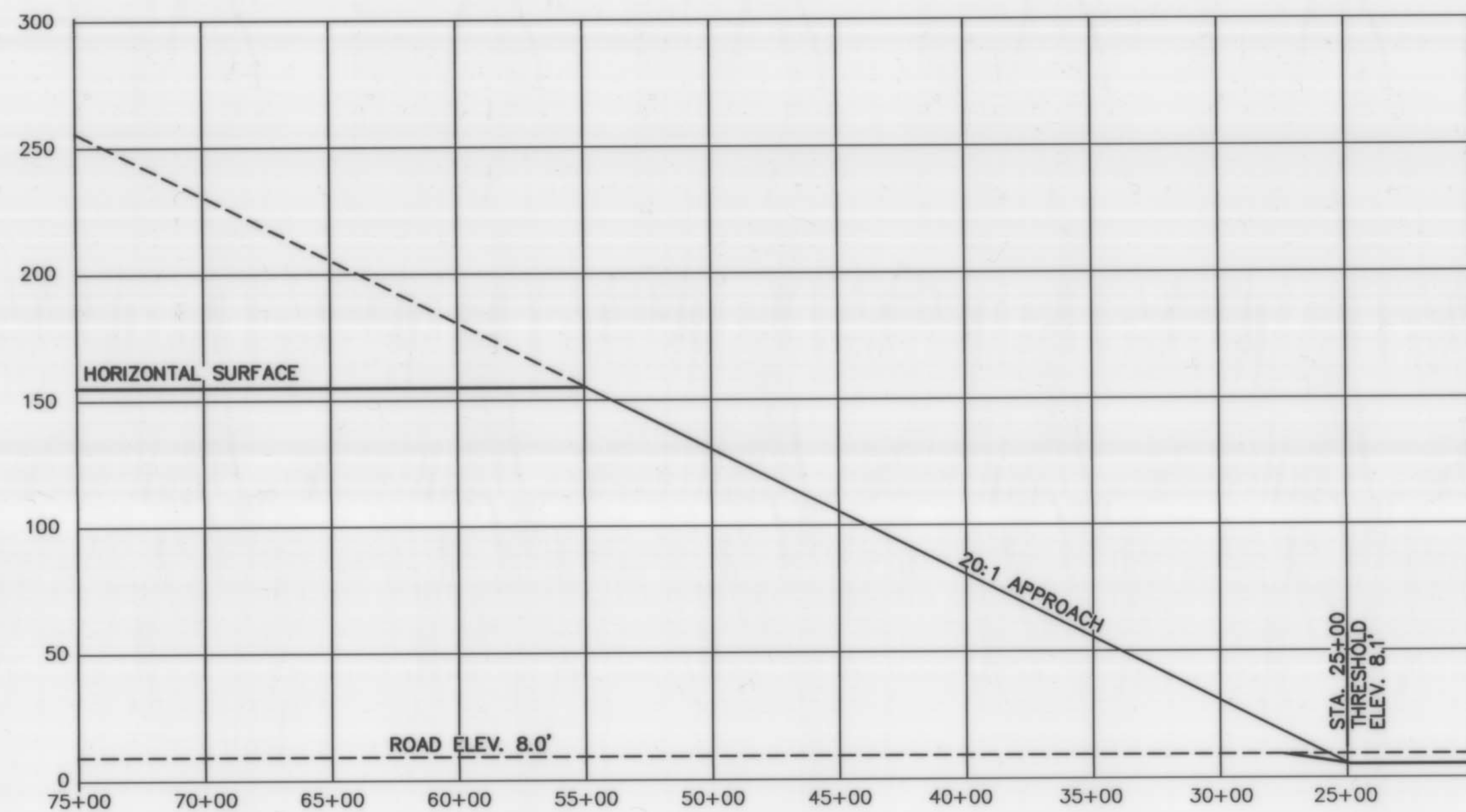
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RYAN ANDERSON P.E. DATE 5/12/11
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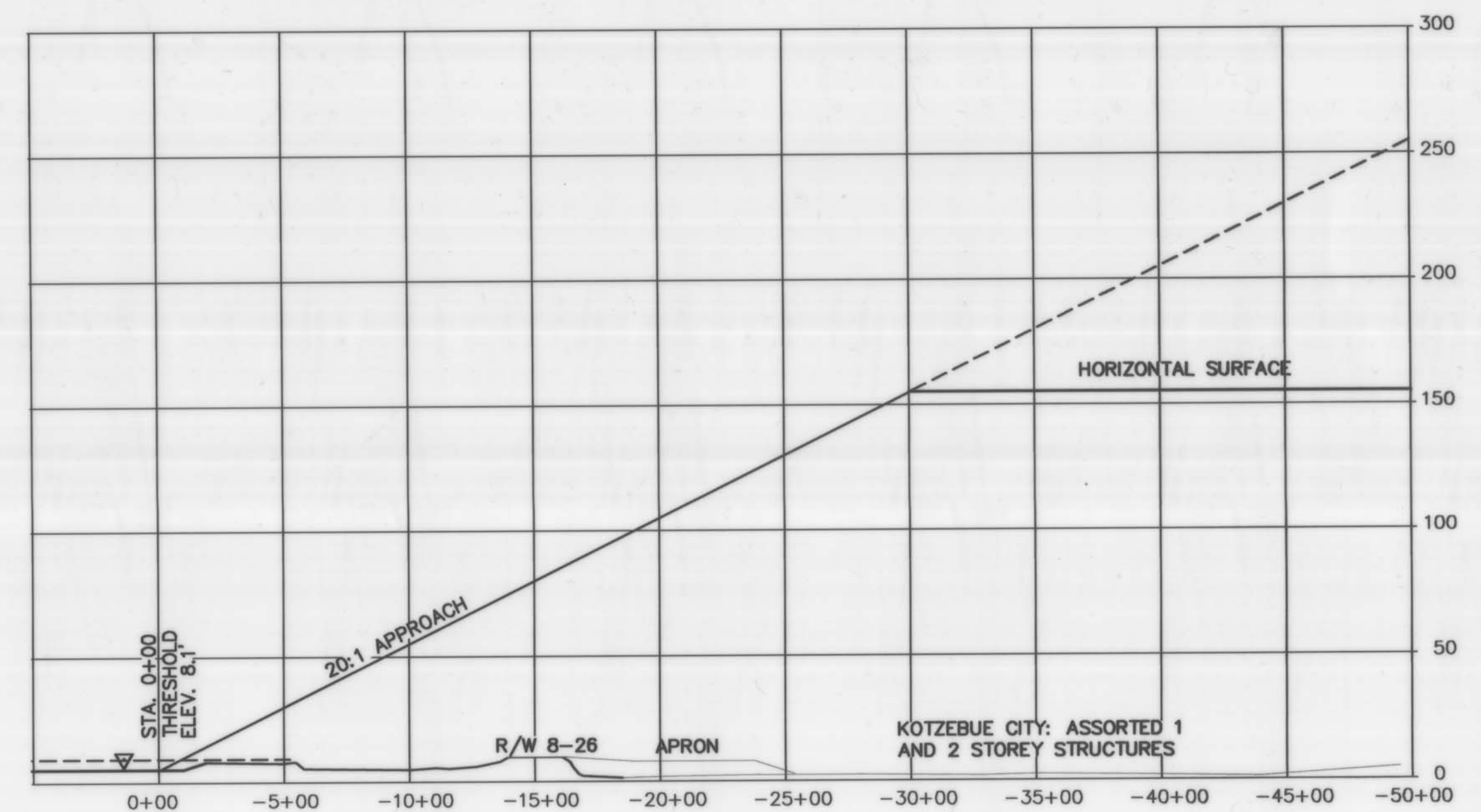
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RALPH WIEN MEMORIAL AIRPORT
KOTZEBUE, ALASKA
R/W 9-27 APPROACH PROFILES

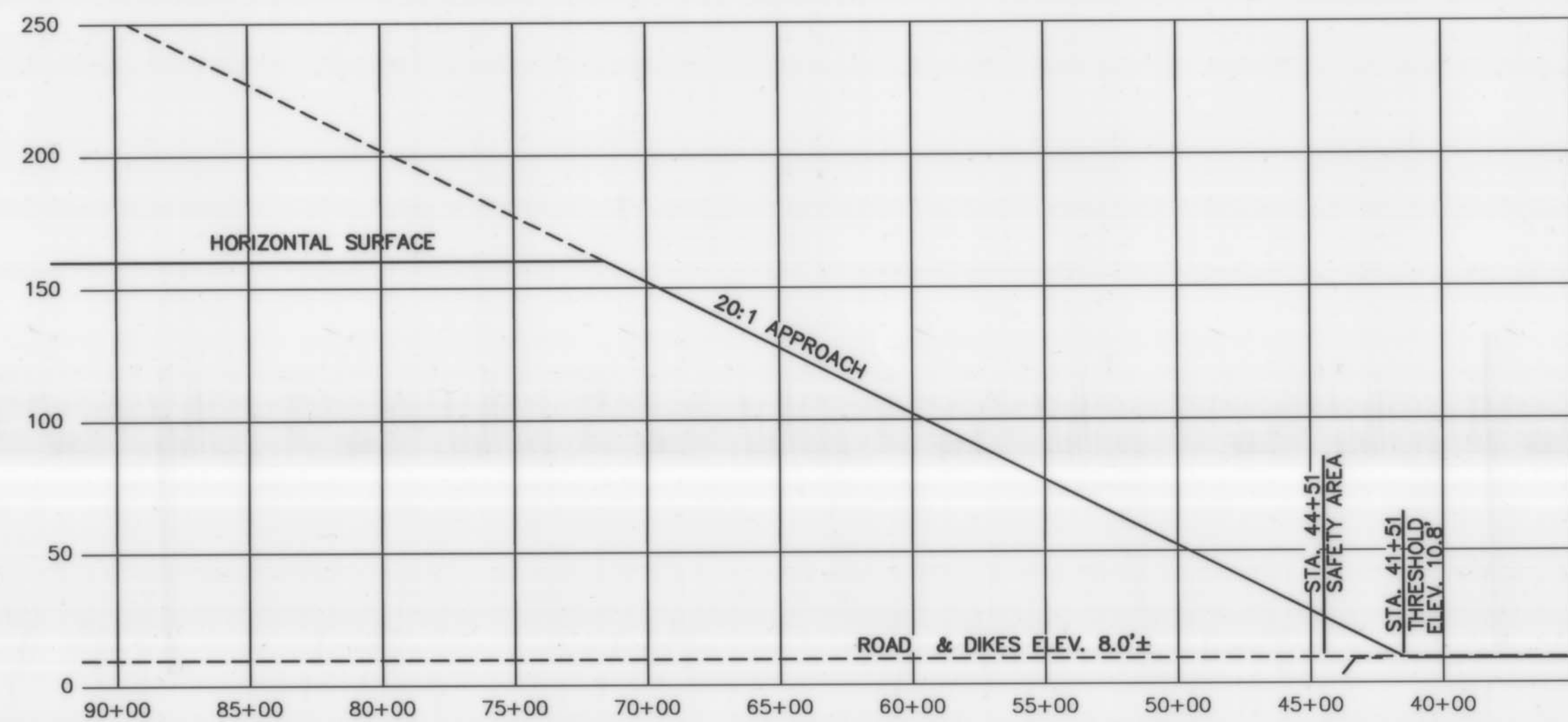
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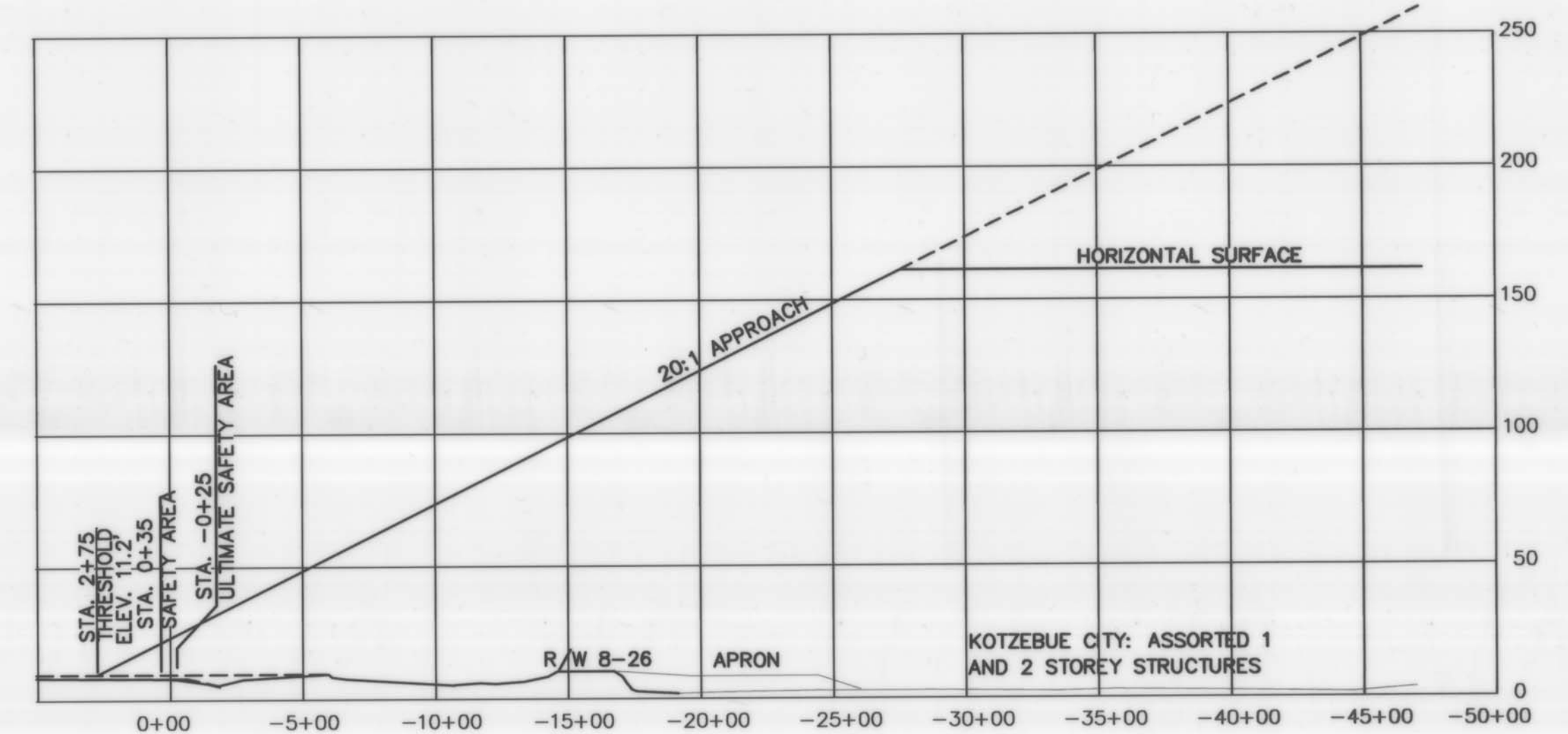
WATERLANE APPROACH 1 COMPOSITE ORIGINAL GROUND PROFILE



WATERLANE APPROACH 19 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 36 COMPOSITE ORIGINAL GROUND PROFILE



APPROACH 18 COMPOSITE ORIGINAL GROUND PROFILE



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RALPH WIEN MEMORIAL AIRPORT
 KOTZEBUE, ALASKA

WATERLANE APPROACH PROFILES
 R/W 18-36 APPROACH PROFILES

SHEET 12 OF 12