



U.S. Department
of Transportation
**Federal Aviation
Administration**

Alaskan Region Airports Division

222 W. 7th Avenue, #14
Anchorage, Alaska 99513-7587
Tel. (907) 271-5438 / Fax (907) 271-2851

November 30, 2016

Jessica Wuttke
ADOT&PF Central Region
P.O. Box 196900
Anchorage, AK 99513-7587

Dear Ms. Wuttke:

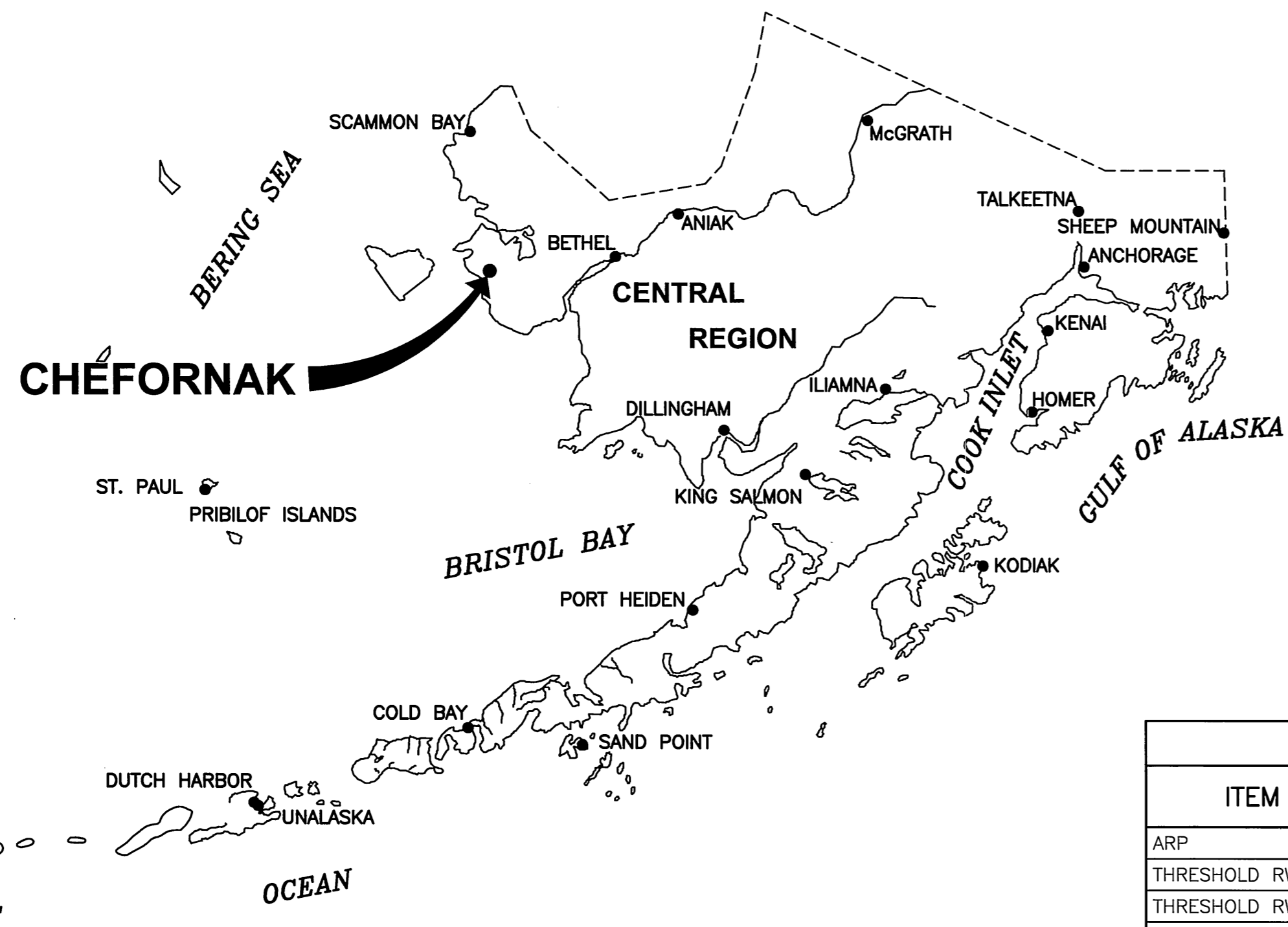
**Chefornak Airport
Chefornak, Alaska
As-Built Airport Layout Plan (September 2016)
(Original ALP Airspace #1999-AAL-033-NRA)**

We have completed our review of the Chefornak Airport As-Built Airport Layout Plan (ALP) dated September 2016, and find it acceptable for documenting the existing conditions of the airport.

Please attach this letter to the enclosed ALP and retain it in your files for future use.

Sincerely,

Pat Zettler, P.E., Lead Engineer
Airports Division



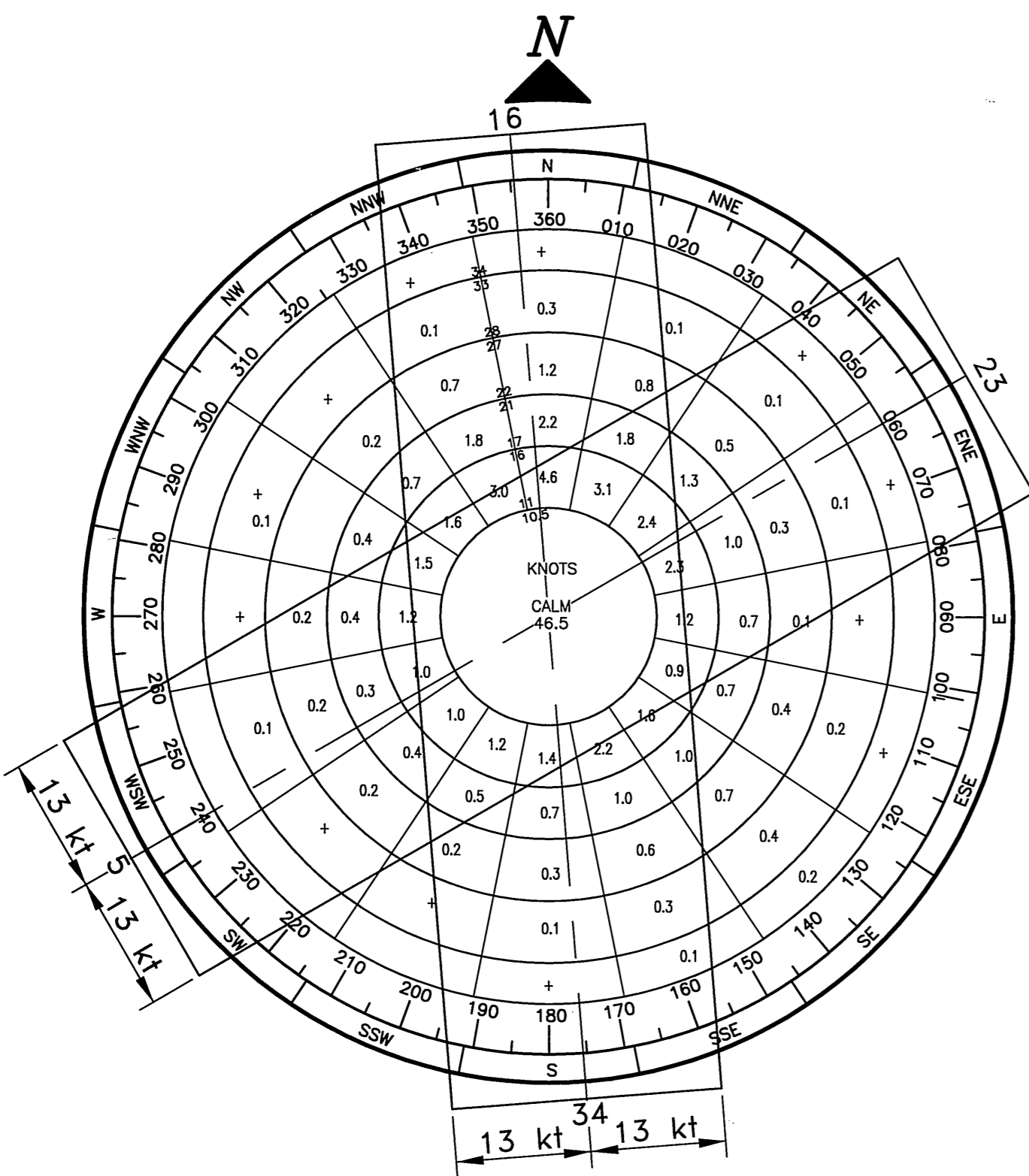
LOCATION MAP
NOT TO SCALE

LEGEND		
ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE		
PAPI		
PROPERTY LINE		
REIL		
ROADWAYS		
ROTATING BEACON		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS		
VASI		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

AIRPORT DATA TABLE		
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PACK	PACK
NATIONAL AIRPORT IDENTIFIER	CFK	CFK
FAA SITE NUMBER	50095.12*A	50095.12*A
AIRPORT ELEVATION (NAVD88)	54.1'	54.1'
AIRPORT REFERENCE CODE	B I	B II
MEAN MAX. TEMPERATURE, HOTTEST MONTH	58.6 F JULY	58.6 F JULY
AIRPORT AND TERMINAL NAVIGATION AIDS	-REILS, PAPI-	REILS, PAPI
TAXIWAY LIGHTING/MARKING	M.I. / NA	M.I. / NA
RUNWAY OBSTRUCTION SURVEY SOURCE & TYPE	2015 R&MVG	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	11°1' 2015 0°16'W/YEAR	

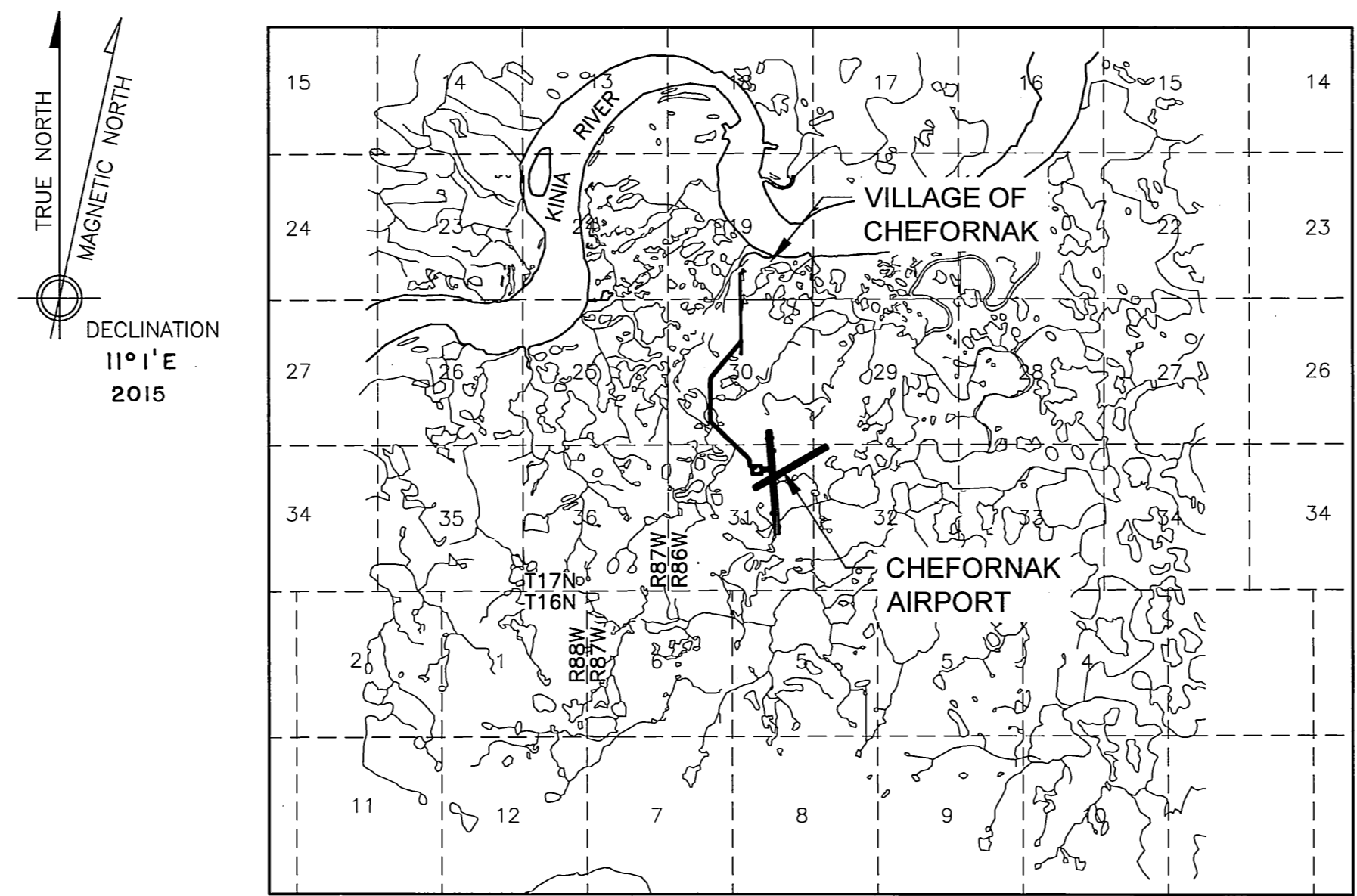
GEOGRAPHIC COORDINATES TABLE				
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	ULTIMATE LATITUDE	ULTIMATE LONGITUDE
ARP	60°08'12.47"N	164°16'44.56"W	60°08'15"N	164°16'39"W
THRESHOLD RW 16	60°08'28.35"N	164°16'46.25"W	60°08'28.35"N	164°16'46.25"W
THRESHOLD RW 34	60°07'56.58"N	164°16'42.90"W	60°07'56.58"N	164°16'42.90"W
THRESHOLD RW 5	-	-	60°08'11.89"N	164°16'52.96"W
THRESHOLD RW 23	-	-	60°08'23.43"N	164°16'10.35"W

RUNWAY 16/34 DATA TABLE			
ITEM	EXISTING	ULTIMATE	NOT APPLICABLE
RUNWAY TYPE	UTILITY OR OTHER THAN UTILITY	OTHER THAN UTILITY	OTHER THAN UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	NPI/NPI	NPI/NPI	NPI/NPI
APPROACH SURFACES	34:1/34:1	34:1/34:1	34:1/34:1
VISIBILITY MINIMUM	1 SM	1 SM	1 SM
RUNWAY SURFACE	GRAVEL	GRAVEL	GRAVEL
PAVEMENT STRENGTH SW,DW,DTW,DDTW x1000lbs	N/A	N/A	N/A
AIRCRAFT APPROACH CATEGORY	B	B	B
AIRPLANE DESIGN GROUP	II	II	II
MEAN GEODETIC BEARING	N 03°00'34.62"W	N 03°00'34.62"W	N 03°00'34.62"W
EFFECTIVE GRADE	0.16%	0.16%	0.16%
TOUCHDOWN ELEVATION (NAVD88)	54.1' / 54.1'	54.1' / 54.1'	54.1' / 54.1'
RUNWAY DIMENSIONS	60' X 3230'	75' X 3230'	75' X 3230'
RUNWAY SAFETY AREA (RSA) DIMENSIONS	120' X 3710'	150' X 3830'	150' X 3830'
LENGTH BEYOND R/W END	240' / 240'	300' / 300'	300' / 300'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	400' X 3710'	500' X 3830'	500' X 3830'
LENGTH BEYOND R/W END OR STOPWAY	240' / 240'	300' / 300'	300' / 300'
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	250' X 3630'	250' X 3630'	250' X 3630'
RUNWAY LIGHTING	MRL	MRL	MRL
RUNWAY MARKING TYPE	NONE	NONE	NONE
RUNWAY VISUAL APPROACH AIDS	REIL, PAPI	REIL, PAPI	REIL, PAPI



WIND DATA TABLE				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
16/34	78.8%	87.8%		
5/23	69.4%	80.4%		
COMBINED	92.2%	96.1%		

SOURCE: UAF WATER RESEARCH CENTER
PERIOD: MARCH 1996 TO JUNE 1998



VICINITY MAP

SEC 29, 30, 31, & 32
R86W, T17N
SEWARD MERIDIAN
USGS QUADS BAIRD INLET A6 & A7

MODIFICATIONS TO STANDARDS / NON STANDARD CONDITIONS			
DESCRIPTION	STANDARD	NEAR TERM	ULTIMATE
LANDFILL SEPARATION DISTANCE	10,000'	4,600'	4,600'
SEWAGE LAGOON SEPARATION DISTANCE	10,000'	6,280'	6,280'

RUNWAY 5/23 DATA TABLE			
ITEM	EXISTING	NEAR TERM	ULTIMATE
RUNWAY TYPE	UTILITY OR OTHER THAN UTILITY	OTHER THAN UTILITY	OTHER THAN UTILITY
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	NPI/NPI	NPI/NPI	NPI/NPI
APPROACH SURFACES	34:1/34:1	34:1/34:1	34:1/34:1
VISIBILITY MINIMUM	1 SM	1 SM	1 SM
RUNWAY SURFACE	GRAVEL	GRAVEL	GRAVEL
PAVEMENT STRENGTH SW,DW,DTW,DDTW x1000lbs	N/A	N/A	N/A
AIRCRAFT APPROACH CATEGORY	B	B	B
AIRPLANE DESIGN GROUP	II	II	II
MEAN GEODETIC BEARING	N 61°29'41.0"E	N 61°29'41.0"E	N 61°29'41.0"E
EFFECTIVE GRADE	0.24%	0.24%	0.24%
TOUCHDOWN ELEVATION (NAVD88)	53.2' / 53.2'	53.2' / 53.2'	53.2' / 53.2'
RUNWAY DIMENSIONS	75' X 2455'	75' X 2455'	75' X 2455'
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' X 3055'	150' X 3055'	150' X 3055'
LENGTH BEYOND R/W END	300' / 300'	300' / 300'	300' / 300'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500' X 700' X 1000'	500' X 700' X 1000'	500' X 700' X 1000'
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	500' X 3055'	500' X 3055'	500' X 3055'
LENGTH BEYOND R/W END OR STOPWAY	300' / 300'	300' / 300'	300' / 300'
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	250' X 2855'	250' X 2855'	250' X 2855'
RUNWAY LIGHTING	MRL	MRL	MRL
RUNWAY MARKING TYPE	NONE	NONE	NONE
RUNWAY VISUAL APPROACH AIDS	REIL, PAPI	REIL, PAPI	REIL, PAPI

DRAWING INDEX	
SHT #	TITLE
1	AIRPORT DATA
2	EXISTING AIRPORT LAYOUT
3	ULTIMATE AIRPORT LAYOUT
4	EXISTING INNER PORTION OF THE APPROACH SURFACE
5	ULTIMATE INNER PORTION OF THE APPROACH SURFACE
6	AIRPORT AIRSPACE PART 77 LAYOUT PLAN
7	AIRPORT AIRSPACE PART 77 APPROACH SURFACES
8	AIRPORT PROPERTY MAP

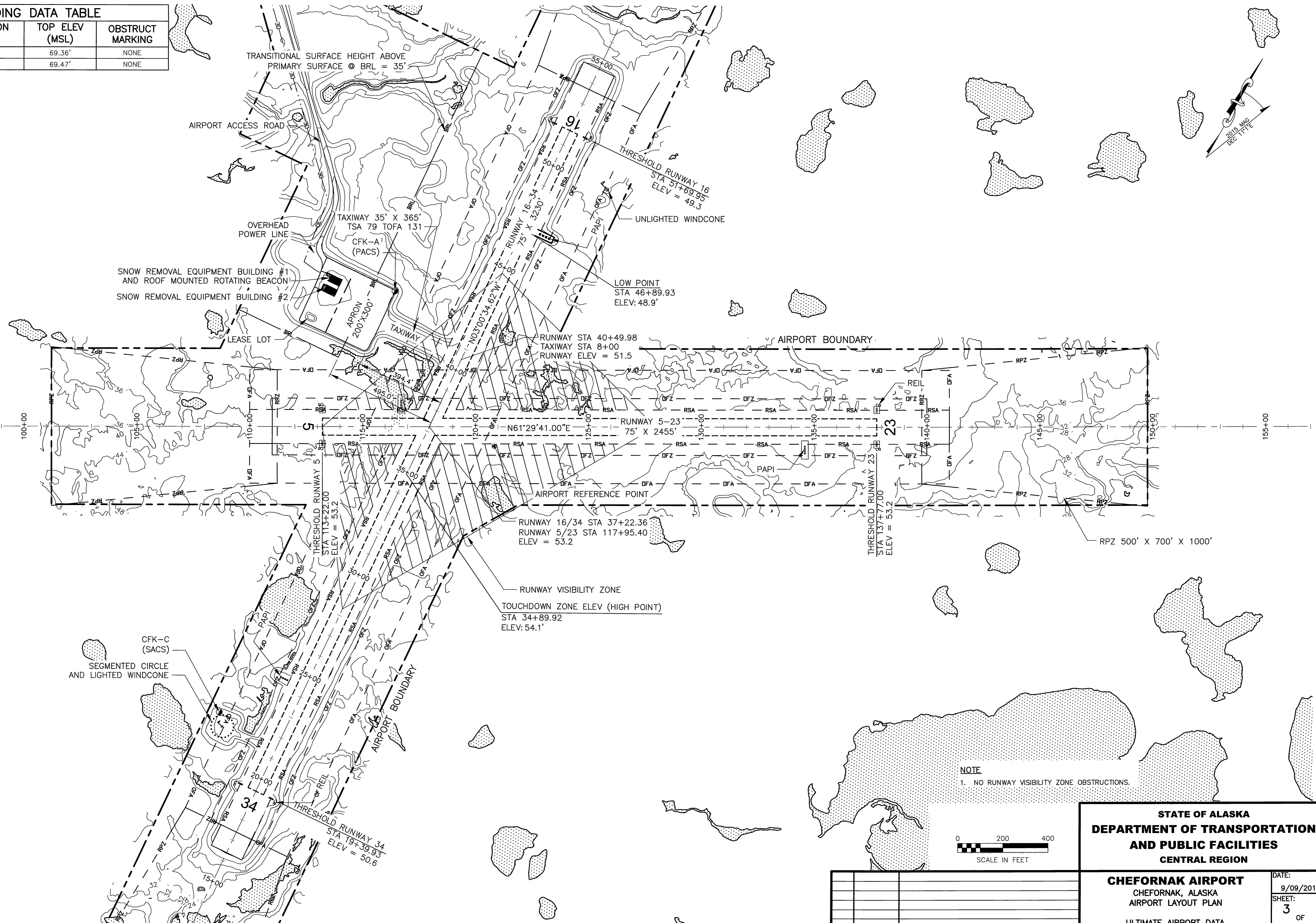
MIM	SEPT, 2016	AERONAUTICAL SURVEY AS-BUILT UPDATE
BY	DATE	REVISION
APPROVED:	DATE: 7-22-10	
K. KIM RICE, P.E.	PRECONSTRUCTION ENGINEER	
RECOMMENDED:	DATE: 9-22-2010	
HARVEY M. DOUTHETT, P.E.	DESIGN SECTION CHIEF	

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION	
CHEFORNAK AIRPORT CHEFORNAK, ALASKA AIRPORT LAYOUT PLAN	AIRPORT DATA
DATE: 7/6/2010 SHEET: 1 OF 8	

H:\jobs\04-108_Chefornak_Airport_Embankment\CAD\DRAWINGS-ALP\04108_ALP_01_1=1_07/06/10 at 11:51 by jkk
 Date Plotted: MRS
 Layout Name: MMH
 File Name: LAYOUT: Layout1
 Checked By: SLH
 XREF: 04108_ALP_B01

BUILDING DATA TABLE			
ID #	DESCRIPTION	TOP ELEV (MSL)	OBSTRUCT MARKING
1	SREB #1	69.36'	NONE
2	SREB #2	69.47'	NONE

Date Revised: 9/23/2016, 10:55 AM
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 Designed By: MM
 Drawn By: DCC
 Checked By: EJC



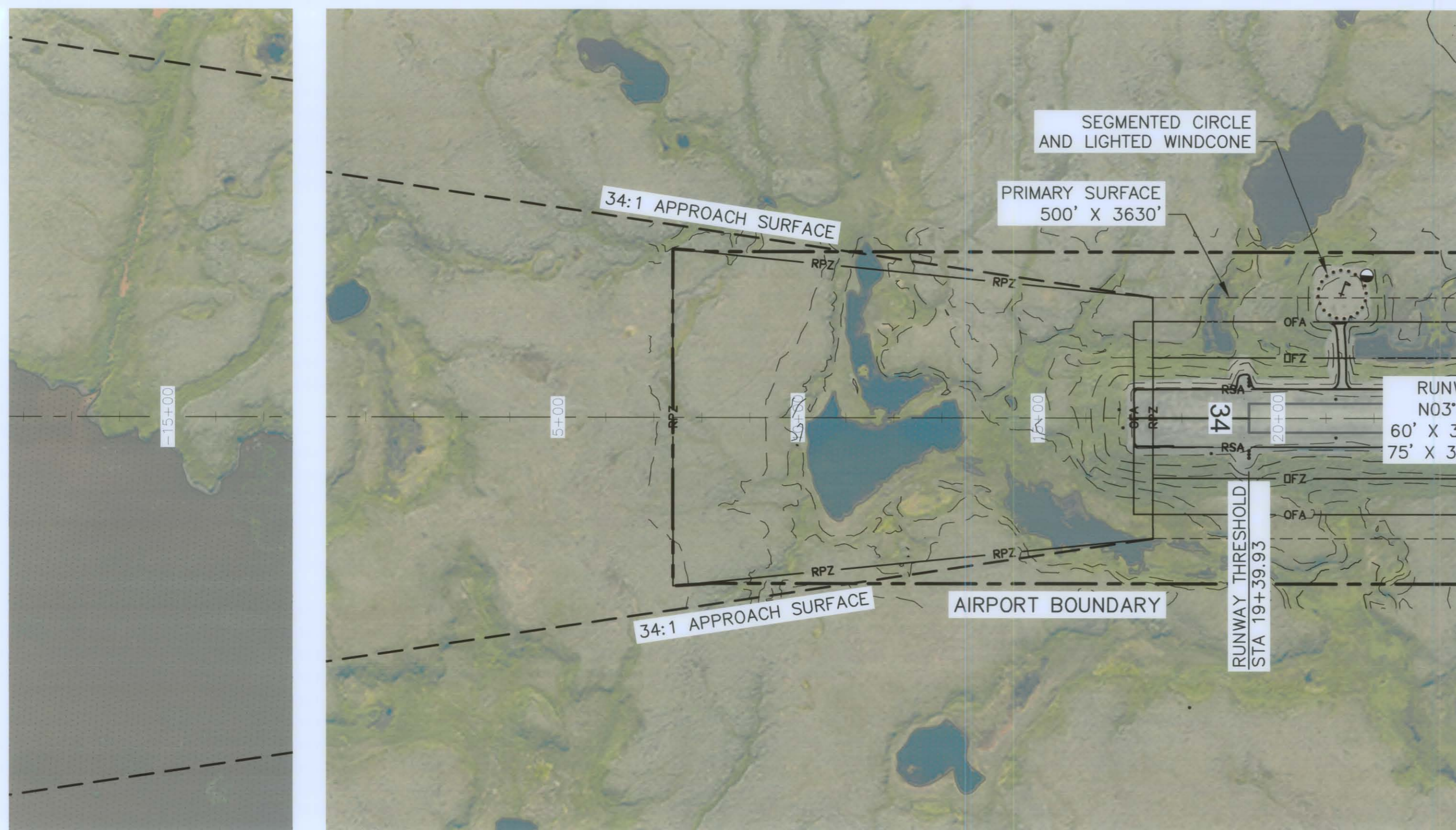
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

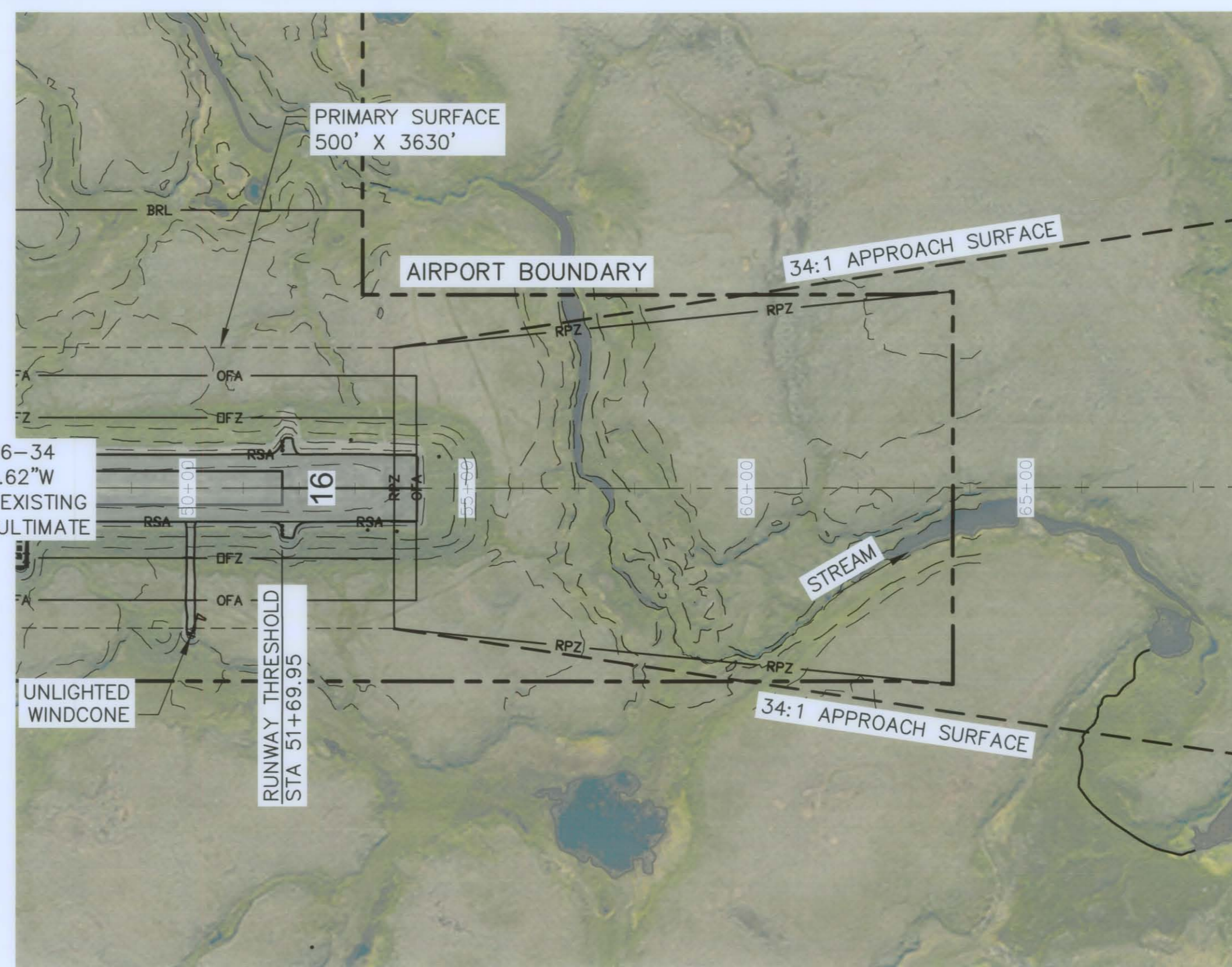
CHEFORNAK AIRPORT
 CHEFORNAK, ALASKA
 AIRPORT LAYOUT PLAN
 ULTIMATE AIRPORT DATA

DATE:	9/09/2016
SHEET:	3 OF 8

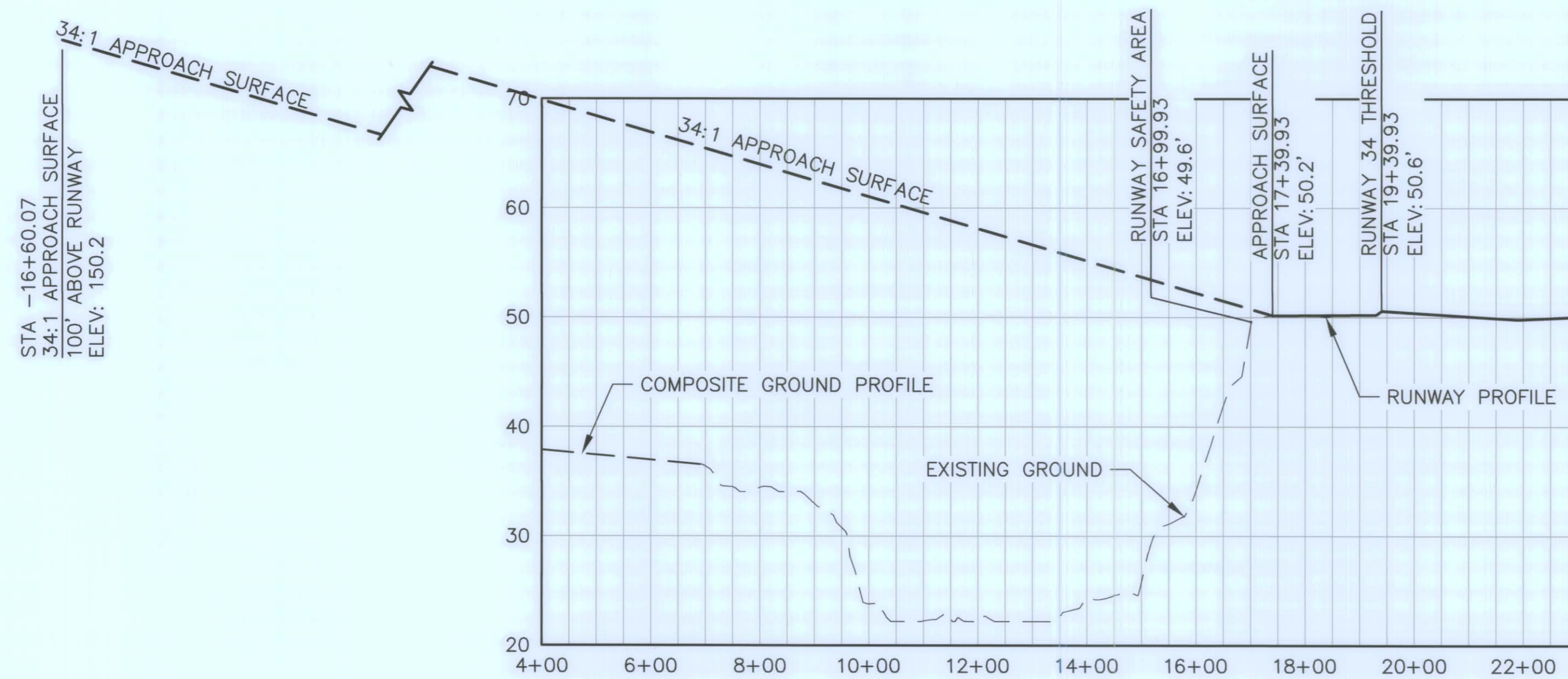
9/23/2016, 10:56 AM
 ALP-4
 Date Revised: 9/23/2016, 10:56 AM
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 Checked By: EJJ



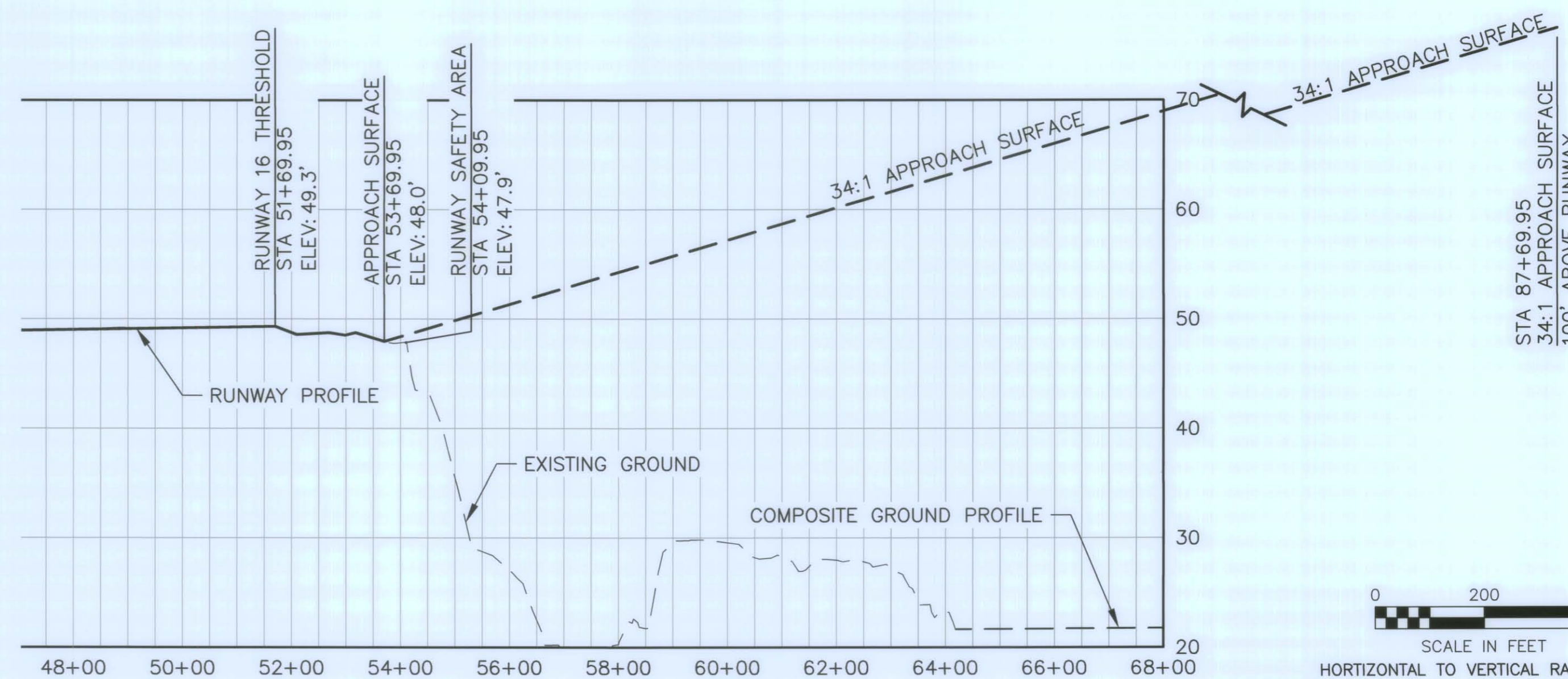
RUNWAY 34 PLAN



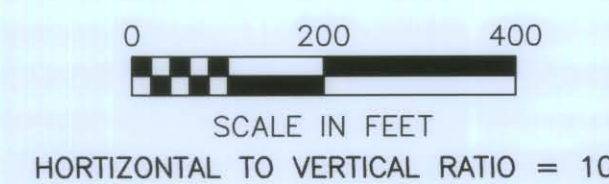
RUNWAY 16 PLAN



RUNWAY 34 PROFILE



RUNWAY 16 PROFILE



PART 77 SURFACE OBSTRUCTION TABLE (INNER PORTION RW 34)								
ID #	DESCRIPTION	STATION/OFFSET	ELEVATION (MSL)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION	STAGE TO CORRECT
	NONE							

NOTE: REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER SURFACES

NOTES:

- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 34, THEREFORE THE CONTROLLING OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, SECTION 4 DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 34, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2 LINE 4.

PART 77 SURFACE OBSTRUCTION TABLE (INNER PORTION RW 16)								
ID #	DESCRIPTION	STATION/OFFSET	ELEVATION (MSL)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION	STAGE TO CORRECT
	NONE							

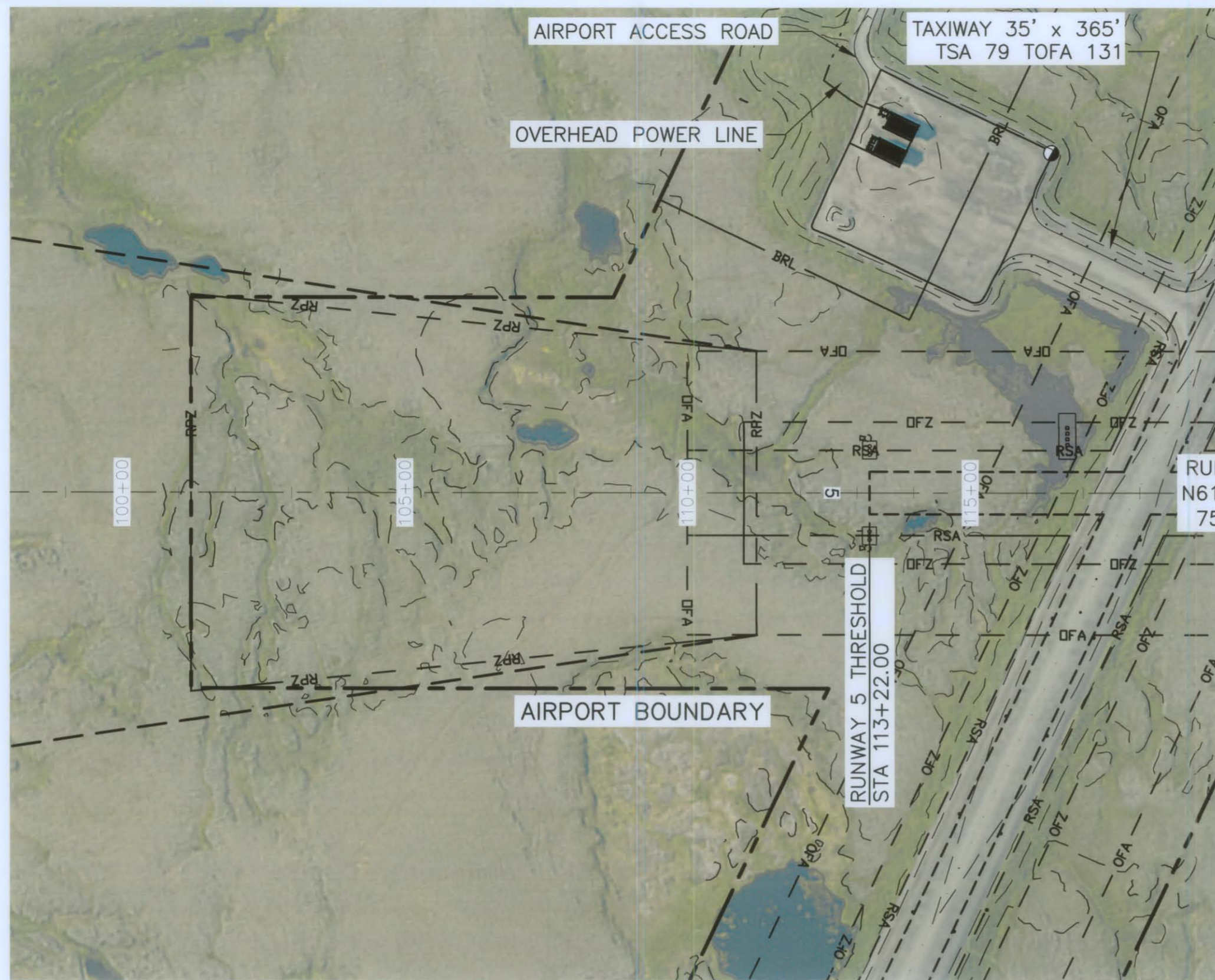
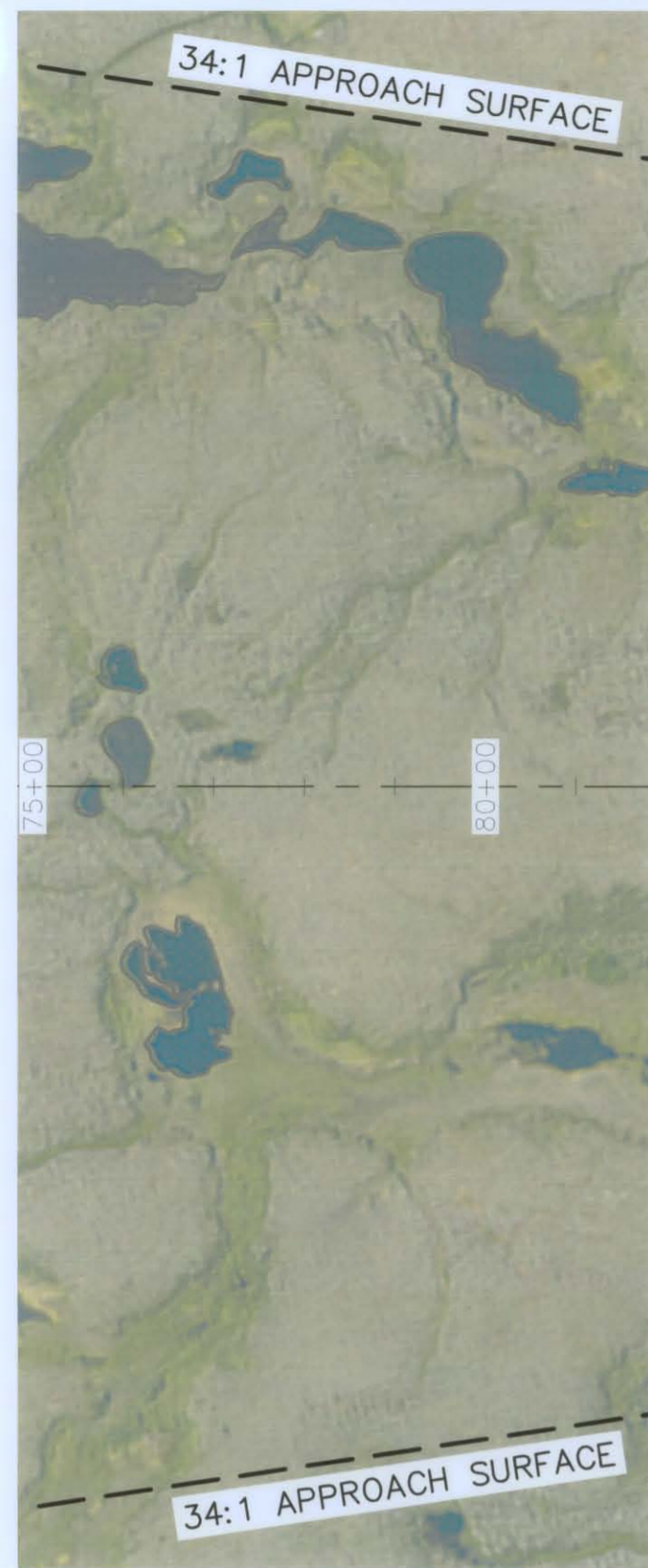
NOTE: REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER SURFACES

NOTES:

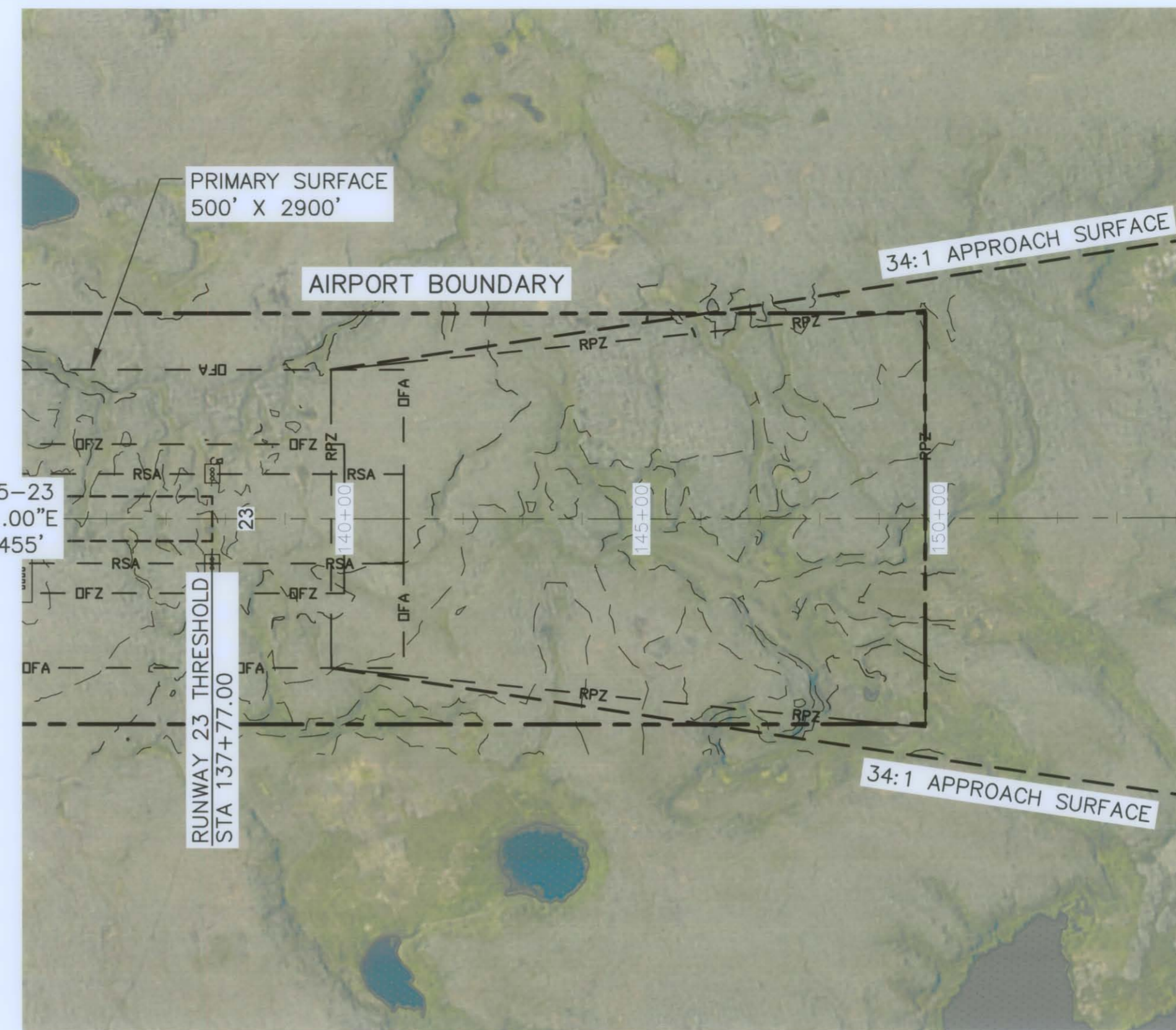
- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 16, THEREFORE THE CONTROLLING OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, SECTION 4 DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 16, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2 LINE 4.

BY	DATE	REVISION
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION		
CHEFORNAK AIRPORT CHEFORNAK, ALASKA AIRPORT LAYOUT PLAN EXISTING INNER PORTION OF THE APPROACH SURFACE		DATE: 9/09/2016 SHEET: 4 OF 8

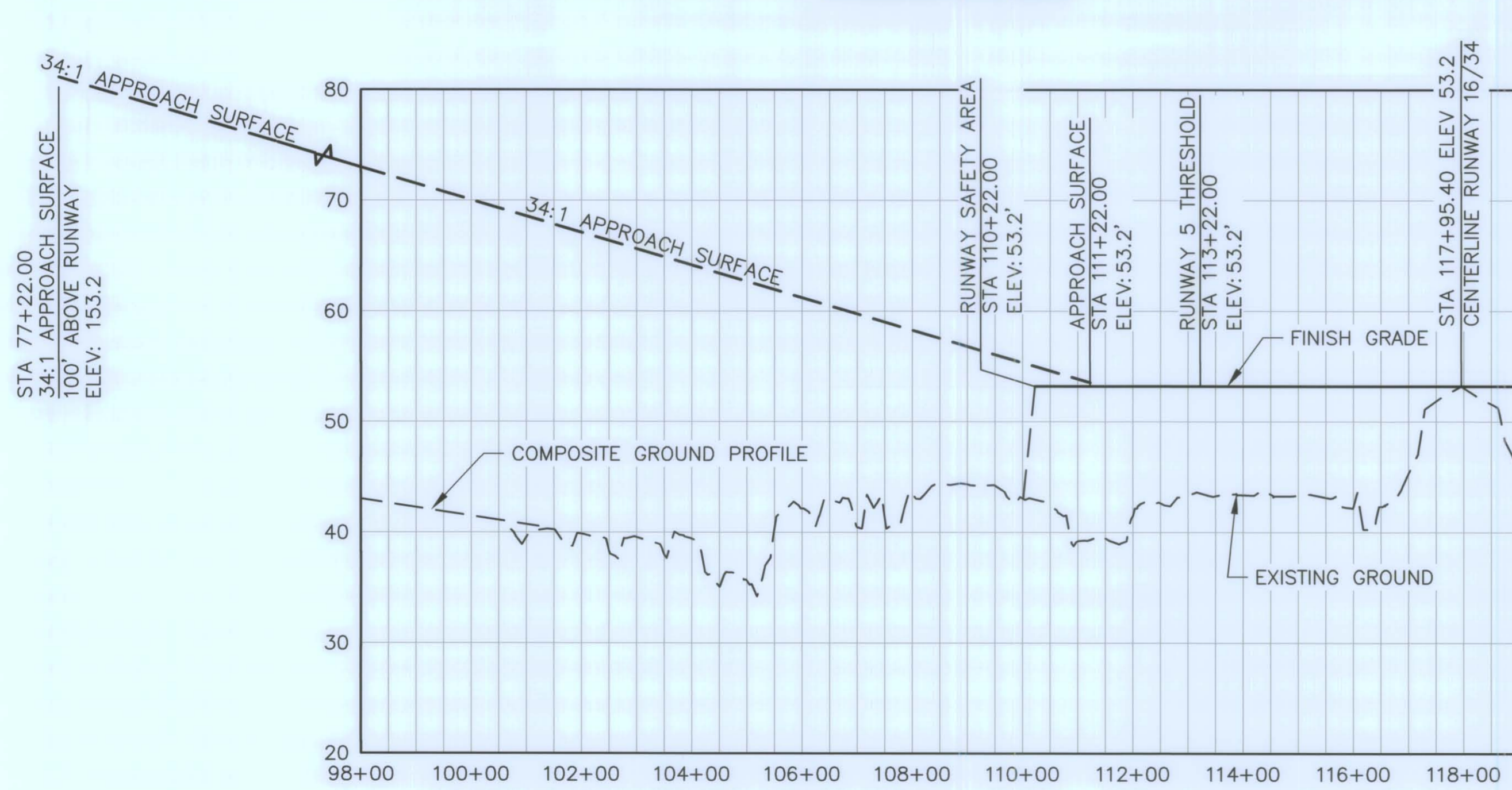
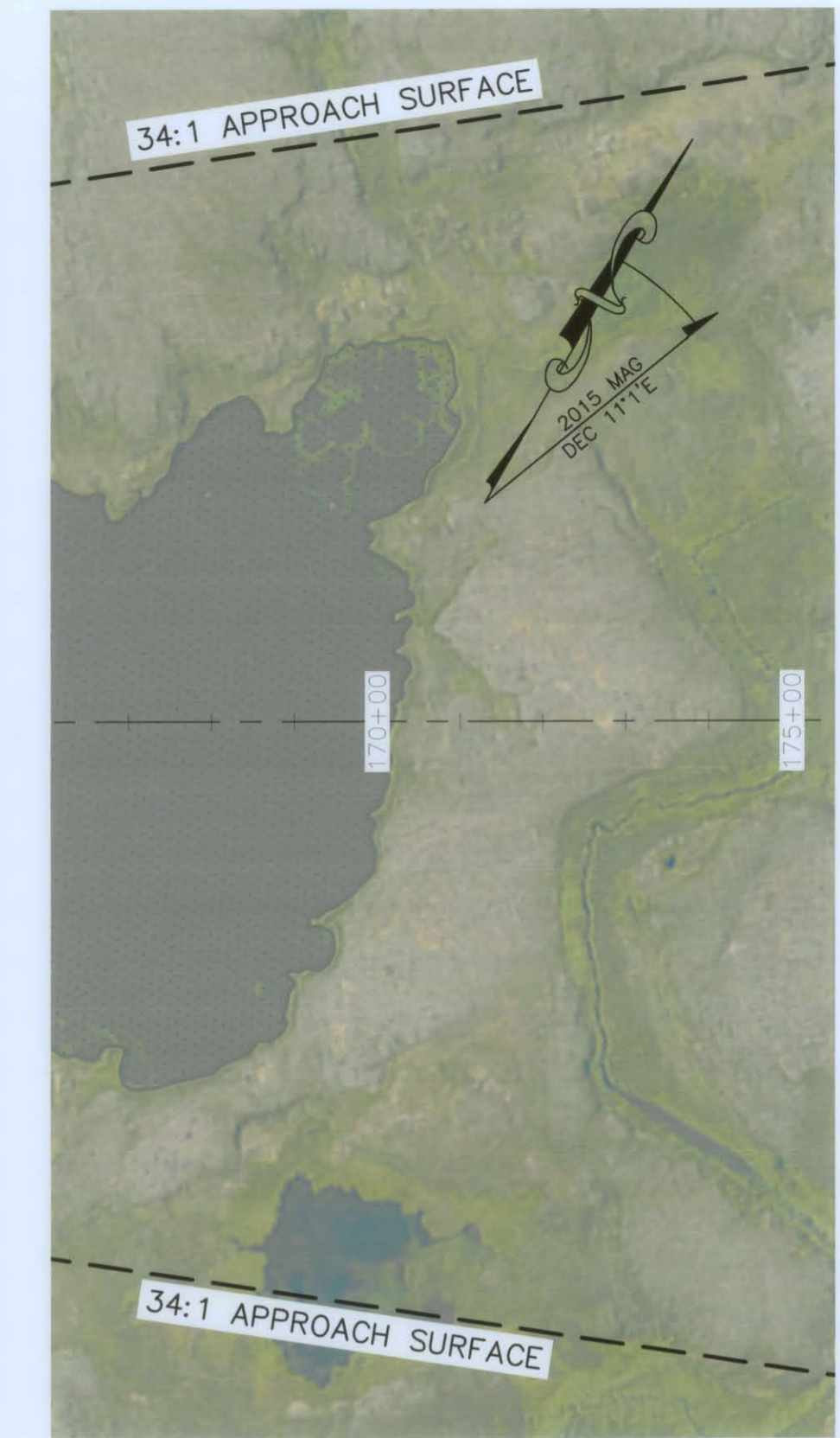
Date Revised: 9/23/2016, 10:57 AM
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 Designed By: MIM
 Drawn By: DCC
 Checked By: EUG



RUNWAY 5 PLAN



RUNWAY 23 PLAN



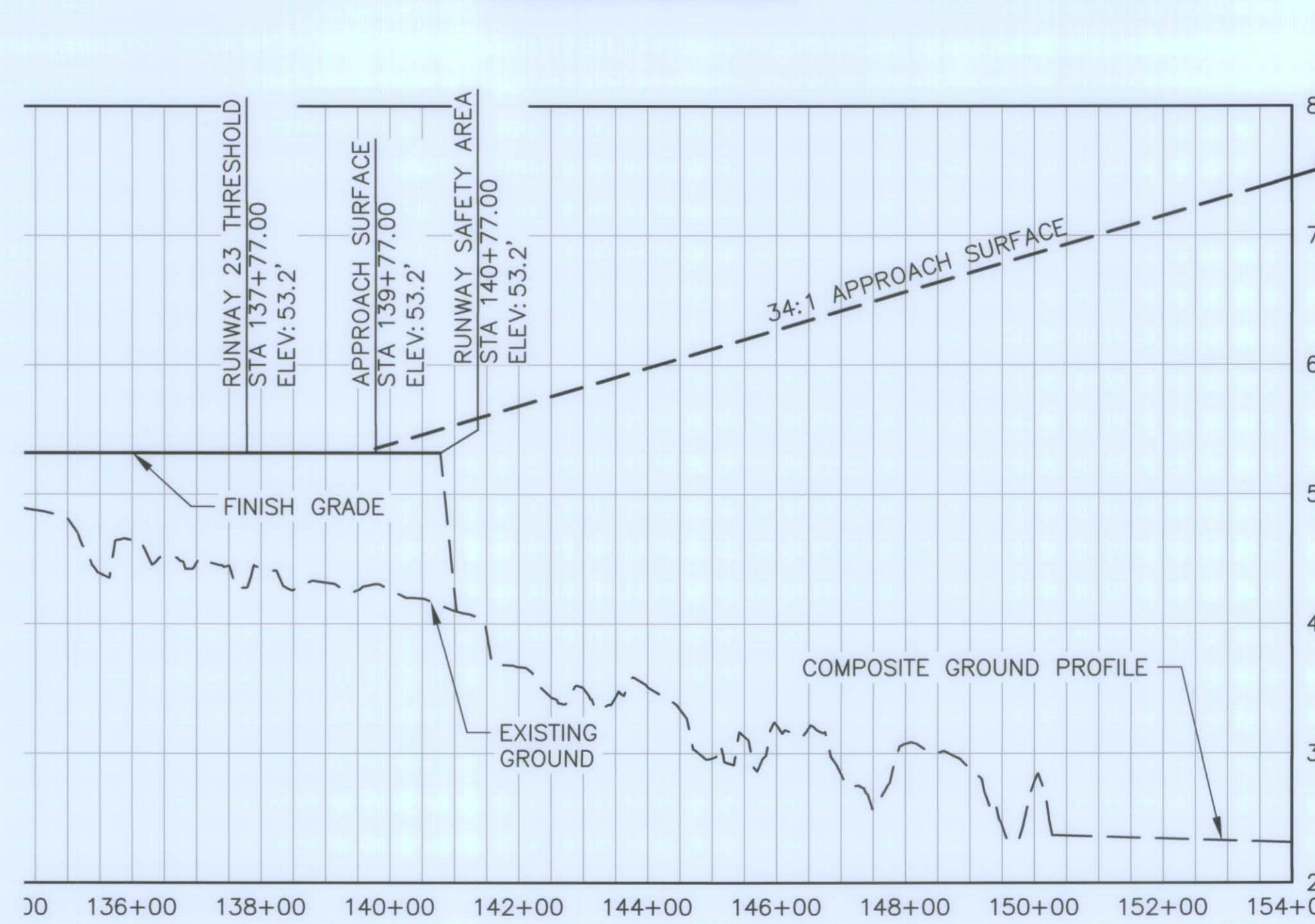
RUNWAY 5 PROFILE

PART 77 SURFACE OBSTRUCTION TABLE (INNER PORTION RW 5)								
ID #	DESCRIPTION	STATION/OFFSET	ELEVATION (MSL)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION	STAGE TO CORRECT
	NONE							

NOTE: REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER SURFACES

NOTES:

- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 5, THEREFORE THE CONTROLLING OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, SECTION 4 DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 5, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2 LINE 4.



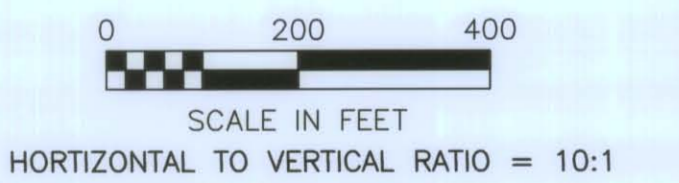
RUNWAY 23 PROFILE

PART 77 SURFACE OBSTRUCTION TABLE (INNER PORTION RW 23)								
ID #	DESCRIPTION	STATION/OFFSET	ELEVATION (MSL)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION	STAGE TO CORRECT
	NONE							

NOTE: REFER TO THE AIRPORT AIRSPACE DRAWING FOR PENETRATIONS OF THE OUTER SURFACES

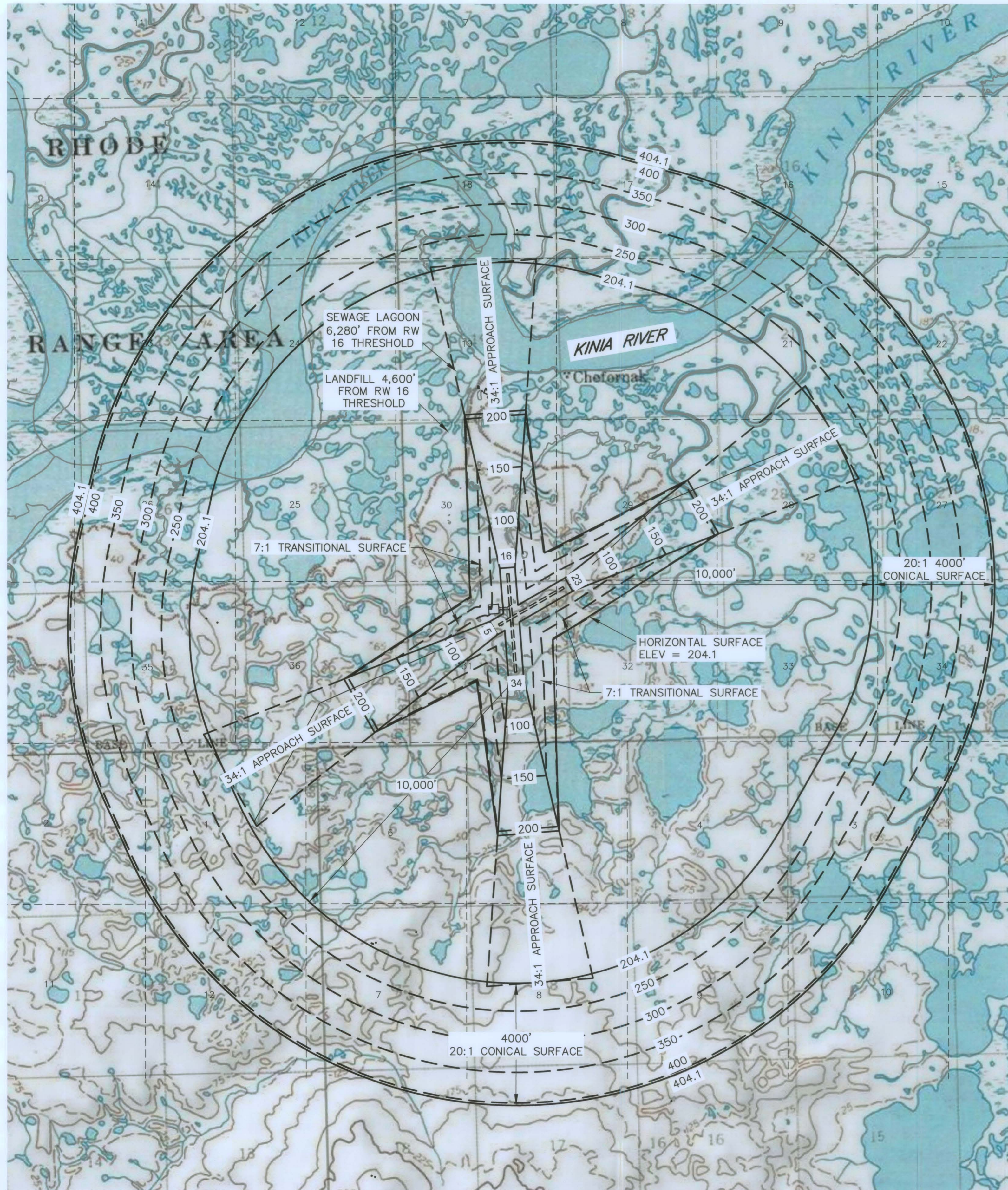
NOTES:

- THERE ARE NO CONTROLLING OBSTRUCTIONS FOR RUNWAY 23, THEREFORE THE CONTROLLING OBSTRUCTION CLEARANCE SLOPE IS ESTABLISHED AS 34:1 PER FAA AC 150/5200-35A, SECTION 4 DATA ELEMENT NUMBER 57.
- THERE ARE NO OBJECT PENETRATIONS IN THE RUNWAY APPROACH END SITING SURFACES OF RUNWAY 23, AS DEFINED IN FAA AC 150/5300-13A, TABLE 3-2 LINE 4.

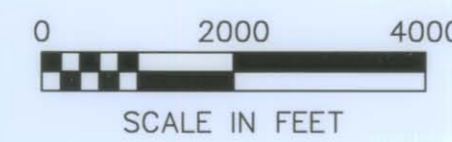


STATE OF ALASKA	
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
CENTRAL REGION	
CHEFORNAK AIRPORT	
CHEFORNAK, ALASKA	
AIRPORT LAYOUT PLAN	
ULTIMATE	
INNER PORTION OF THE APPROACH SURFACE	
BY	DATE
REVISION	
DATE: 9/09/2016	
SHEET: 5 OF 8	

Date Revised: 9/23/2016, 10:57 AM
 Layout Name: ALP-6
 File Path and Name: Z:\project\2222.03_DOT_C_Surveying Const. Closeout Services\Chefornak Airport\Civil\ACAD\2222.03_ALP_06-07.dwg
 Designed By: MM
 Drawn By: DCC
 Checked By: EUG



F.A.R. PART 77 IMAGINARY SURFACE OBSTRUCTION TABLE								
ID NO.	DESCRIPTION	STATION/OFFSET	ELEVATION (MSL)	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATION	DISPOSITION	STAGE TO BE CORRECTED
	NONE							



NOTES

- AIRPORT ELEVATION IS 54.1'.
- APPROACH SURFACES ARE 34:1 BEGINNING AT 200' FROM THE THRESHOLDS.
- BASEMAP DATA FROM R&M SURVEY JULY 2015.
- REFER TO THE INNER PORTION OF APPROACH SURFACE DRAWINGS FOR CLOSE-IN OBSTRUCTIONS.
- PRIMARY SURFACE WIDTH IS 500'.
- THERE ARE NO KNOWN RESTRICTIONS IMPOSED BY ORDINANCE OR STATUTE.

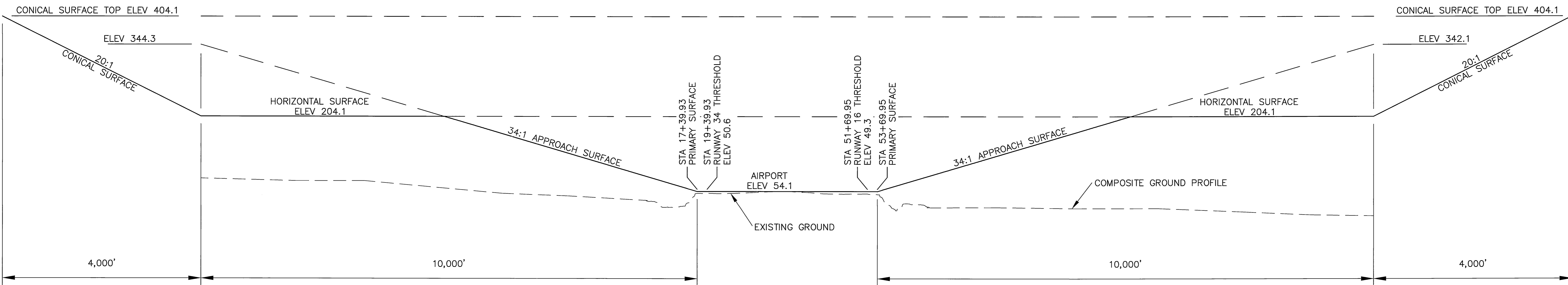
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

CHEFORNAK AIRPORT
 CHEFORNAK, ALASKA
 AIRPORT LAYOUT PLAN
 AIRPORT AIRSPACE PART 77
 LAYOUT PLAN

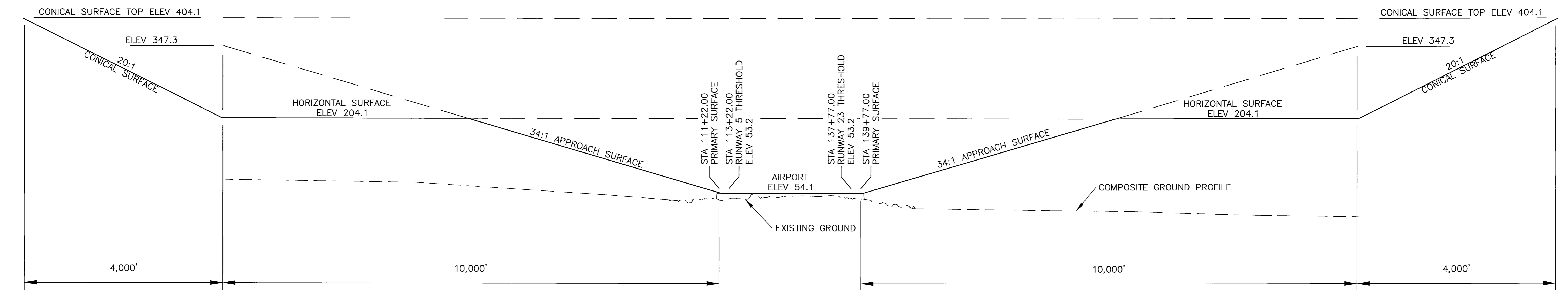
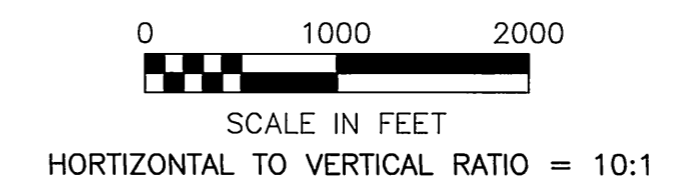
DATE:
 9/09/2016
 SHEET:
 6
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 8

BY	DATE	REVISION

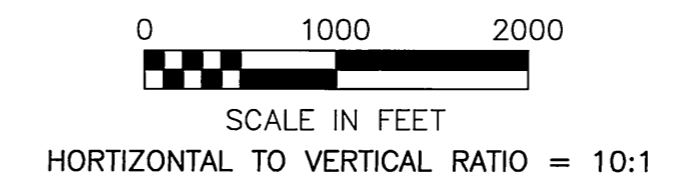
Date Revised: 9/23/2016, 10:58 AM
 Layout Name: ALP-7
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 Designed By: MM
 Drawn By: DCC
 Checked By: EJC



RUNWAY 16/34 PROFILE



RUNWAY 5/23 PROFILE



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

CHEFORNAK AIRPORT
 CHEFORNAK, ALASKA
 AIRPORT LAYOUT PLAN
 AIRSPACE PART 77
 APPROACH SURFACES

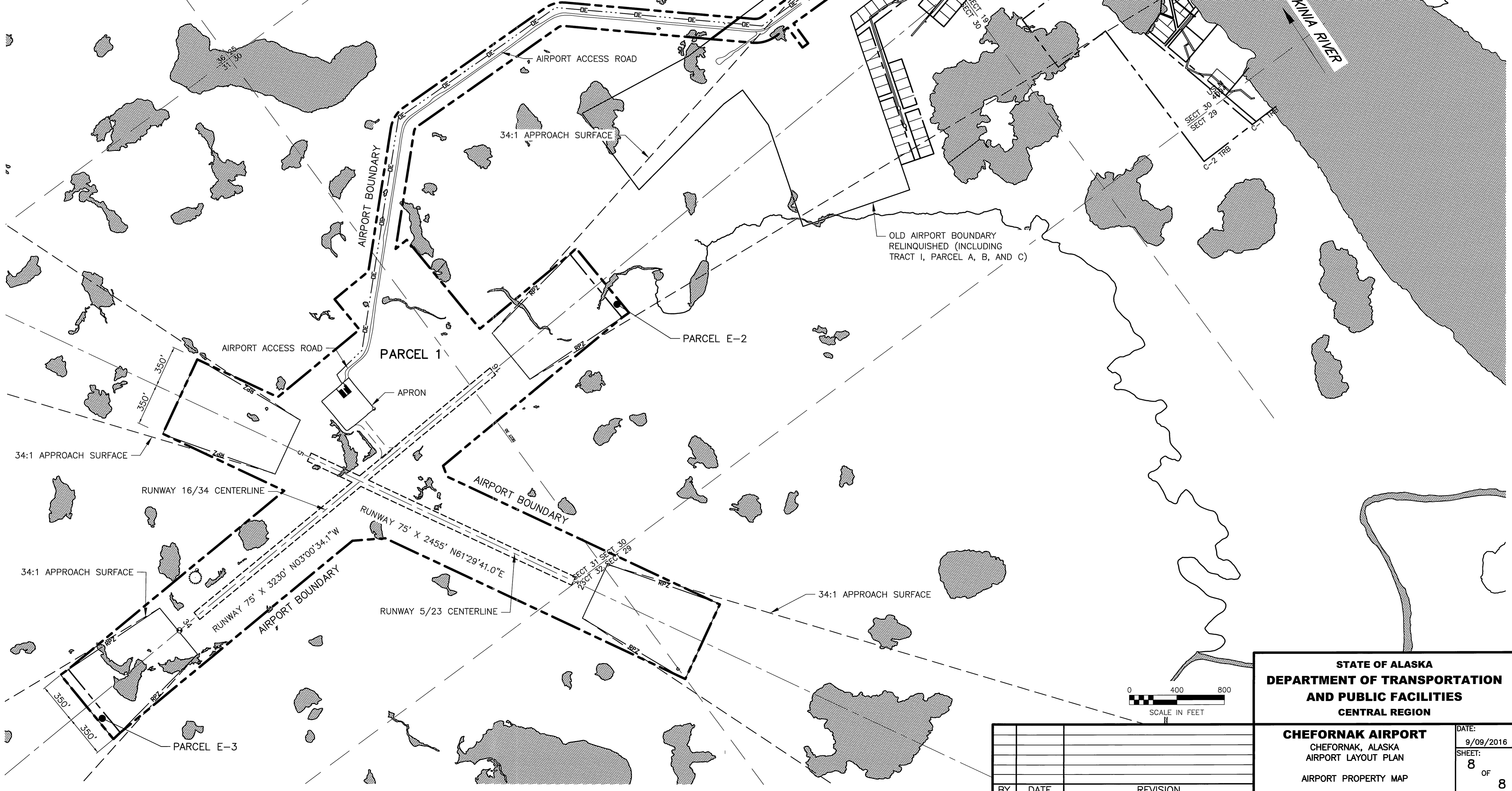
DATE:	9/09/2016
SHEET:	7 OF 8

PROPERTY STATUS									
PARCEL NUMBER	PARCEL SIZE	GRANTOR	GRANTEE	INTEREST	RECORDATION	DATE ACQUIRED	EXPIRATION DATE	ACQUIRED UNDER A.I.P./A.D.A. NO.	
TRACT I, PARCEL C1	14.259	CHEFARNRMUTE, INC. SOA DOT&PF	SOA DOT&PF CHEFARNRMUTE, INC.	DEED 14(C)(4) DEED OF RELINQUISHMENT	BK. 39, PG. 705 2014-001216-0	8-16-1984 6-25-2014	N/A N/A	A.D.A. 10675 A.I.P. 3-02-0442-002-2010	
PARCEL 1	198.622	CHEFORNAK TRADITIONAL COUNCIL	SOA DOT&PF	50 YEAR AIRPORT LEASE	BK. 95, PG. 801	9-21-2001	9-20-2051	A.I.P. 3-02-0442-001-2002	
PARCEL E-2	1.148	CHEFARNRMUTE, INC.	SOA DOT&PF	A&H EASEMENT	2008-001096-0	7-2-2008	N/A	A.I.P. 3-02-0442-002-2010	
PARCEL E-3	1.260	CHEFARNRMUTE, INC.	SOA DOT&PF	A&H EASEMENT	2008-001096-0	7-2-2008	N/A	A.I.P. 3-02-0442-002-2010	
TRACT I, PARCEL A	63.785	SOA DOT&PF	CHEFARNRMUTE, INC.	RELINQUISHED (NO INTEREST)	2014-001216-0	6-25-2014	N/A	A.I.P. 3-02-0442-002-2010	
TRACT I, PARCEL B	19.971	SOA DOT&PF	CHEFARNRMUTE, INC.	RELINQUISHED (NO INTEREST)	2014-001216-0	6-25-2014	N/A	A.I.P. 3-02-0442-002-2010	
TRACT I, PARCEL C	15.123	SOA DOT&PF	CHEFARNRMUTE, INC.	RELINQUISHED (NO INTEREST)	2014-001216-0	6-25-2014	N/A	A.I.P. 3-02-0442-002-2010	
TRACT II	0.235	SOA DOT&PF	CITY OF CHEFORNAK	RELINQUISHED (NO INTEREST)	2016-000814-0	9-6-2016	N/A	N/A	

AIRPORT TRACT AND PARCEL NOTE

1. TRACT I, PARCELS A, B & C INCLUDED IN THE ORIGINAL CHEFORNAK AIRPORT LOCATION. THESE PARCELS WERE CONVEYED IN FEE TO DOT&PF AUGUST 16, 1984, IN A DEED RECORDED IN BOOK 39, PAGE 705, B.R.D. THE LANDS HAVE SINCE BEEN RELINQUISHED BY DOT&PF EXCEPT FOR THAT PORTION DEFINED AS 14(C) TRACT C, PLAT 2014-9, B.R.D. REFERENCE COMMISSIONER'S DEED OF RELINQUISHMENT, DOC. NO. 2014-001216-0, B.R.D.

Date Revised: 9/23/2016, 10:58 AM
 Layout Name: ALP-8
 File Path and Name: Z:\project\2222.03 DOT_C Surveying Const. Clearcut Services Chefornak Airport\Civil\ACAD\2222.03 ALP_08-10.dwg
 Designed By: MM
 Drawn By: DCC
 Checked By: EJC



BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION

CHEFORNAK AIRPORT
 CHEFORNAK, ALASKA
 AIRPORT LAYOUT PLAN
 AIRPORT PROPERTY MAP

DATE: 9/09/2016
 SHEET: 8 OF 8