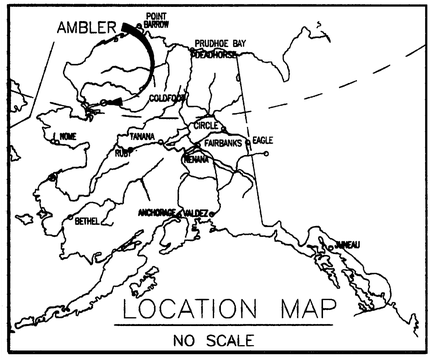
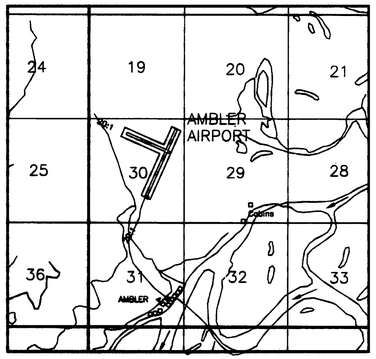


LOCATION MAP

NO SCALE

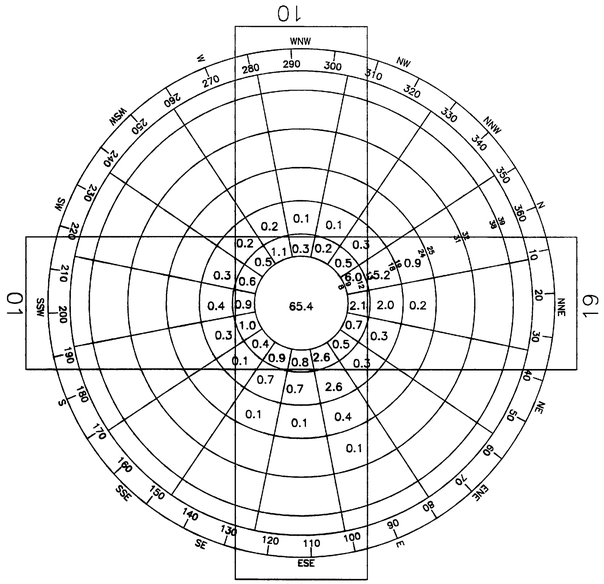


VICINITY MAP

NO SCALE

SEC 19,20,29,30 & 31, T20N, R5E KRM

USGS AMBLER RIVER (A-4)



WIND ROSE

13 Knots

WIND DATA

PERCENT WIND COVERAGE
RUNWAY 01-19: 96.6%
RUNWAY 10-28: 97.0%
COMBINED COVERAGE: 97.6%
WIND DATA PERIOD: 1982-1984
WIND DATA SOURCE: AEIDC

NOTE: THE MAIN RUNWAY DOES NOT ALWAYS PROVIDE 95% WIND COVERAGE DURING THE SPRING AND FALL.

RUNWAY DATA

ITEM		EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY END NUMBERS		18-36	01-19	9-27	10-28
RUNWAY DESIGN CODE (RDC)		A-I	B-II	A-I	SAME
FAR PART 77 CATEGORY		NON-PRECISION INSTRUMENT	NON-PRECISION INSTRUMENT	VISUAL	VISUAL
IAP SURVEY REQUIRED		NONE	REQ'D - D	NONE	NONE
IAP SURVEY SOURCE		NONE	REQ'D - D	NONE	NONE
RUNWAY SURFACE		GRAVEL	ASPHALT	GRAVEL	GRAVEL
PAEMENT STRENGTH		N/A	104,000	N/A	N/A
TOUCHDOWN ZONE ELEVATION (TDZE)	RUNWAY 36	270.9'	248.4	N/A	N/A
	RUNWAY 18	269.6'	270.5	N/A	N/A
	RUNWAY 09	N/A	N/A	293.4'	SAME
	RUNWAY 27	N/A	N/A	293.4'	SAME
EFFECTIVE GRADE		0.83%	0.75%	1.00%	1.00%
% WIND COVERAGE		94.9% (10.5 KNOTS)	96.6% (13 KNOTS)	92% (10.5 KNOTS)	97% (13 KNOTS)
APPROACH		34:1	SAME	20:1	SAME
VISIBILITY MINIMUMS		≥1 MILE - 01 ≥1 MILE - 19	≥3/4 MILE - 01 ≥3/4 MILE - 19	≥1 MILE - 10 ≥1 MILE - 28	SAME SAME
RUNWAY MARKING		NONE	NON-PRECISION	NONE	SAME
RUNWAY LIGHTING		MIRL	SAME	MIRL	SAME
NAVIGATION APPROACH AIDS		VASIs	PAPIs	NONE	NONE
RUNWAY DIMENSIONS		3,004' X 60'	4,000' X 75'	2404' X 60'	2400' X 60'
RUNWAY SAFETY AREA (RSA)		3,480' X 120'	4,600' X 150'	2876' X 120'	2880' X 120'
- WIDTH		120'	150'	120'	SAME
- LENGTH BEYOND RUNWAY END		240'	300'	240'	SAME
RUNWAY OBJECT FREE AREA (ROFA)					
- WIDTH		200' LT/150' RT	500'	400'	SAME
- LENGTH BEYOND RUNWAY END		240'	300'	240'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ)					
- WIDTH		250'	300	250'	SAME
- LENGTH BEYOND RUNWAY END		200'	SAME	200'	SAME
RUNWAY PROTECTION ZONE (RPZ)	RUNWAY 36	1,000' x 700' x 500'	1,700' x 1,510 x 1,000'	N/A	N/A
	RUNWAY 18	1,000' x 700' x 500'	1,700' x 1,510' x 1,000'	N/A	N/A
	RUNWAY 09	N/A	N/A	1,000' x 700' x 500'	SAME
	RUNWAY 27	N/A	N/A	1,000' x 700' x 500'	SAME
GEODETIC POSITIONS (NAD 83)					
THRESHOLD 18	LAT.	67°06'31.61"N	67°06'36.19"N	N/A	N/A
	LONG.	157°51'04.55"W	157°50'59.67"W	N/A	N/A
THRESHOLD 36	LAT.	67°06'04.32"N	67°05'59.84"N	N/A	N/A
	LONG.	157°51'33.70"W	157°51'38.48"W	N/A	N/A
THRESHOLD 09	LAT.	N/A	N/A	67°06'34.06"N	67°06'34.04"N
	LONG.	N/A	N/A	157°52'5.21"W	157°52'5.12"W
THRESHOLD 27	LAT.	N/A	N/A	67°06'24.97"N	SAME
	LONG.	N/A	N/A	157°51'09.11"W	SAME
T/W LENGTH AND WIDTH		220' x 35'	3,284' x 50'	NONE	NONE
T/W SAFETY AREA WIDTH		79'	118'	NONE	NONE

AIRPORT DATA

ITEM		EXISTING	ULTIMATE
NATIONAL AIRPORT IDENTIFIER		AFM	SAME
AIRPORT IDENIFIER ICAO/U.S.		PAFM	SAME
AIRPORT ELEVEATION (NAVD88)		293.4'	293.4'
AIRPORT REFERENCE POINT (ARP) - NAD 83	LAT.	67°06'23.1"N	67°06'22.3"N
	LONG.	157°51'27"W	157°51'25.8"W
MEAN MAX. TEMPERATURE, HOTTEST MONTH (JULY)		68° F	N/A
AIRPORT AND TERMINAL NAVIGATION AIDS		DME, VASI	DME, VASI
		NDB, BEACON	NDB, BEACON
AIRPORT REFENCE CODE (ARC)		A-I	B-II
AIRPORT LIGHTING		MIRL	SAME
TAXIWAY LIGHTING		MITL	SAME
MAGNETIC DECLINATION, 2015, CHANGING 0°19'W/YR		15°26'E	SAME

- THE VERTICAL DATUM IS GPS DERIVED NAVD88 USING GEOID12A. THE GEODETIC BASIS IS NAD83(2011)(EPOCH:2010.0) HOLDING CORS STATIONS AC31, AB18 AND OTZ1 FIXED.
- THE HORIZONTAL COORDINATE SYSTEM IS IN NAD83(2001) ALASKA STATE PLANE ZONE 6 U.S. SURVEY FEET.
- NO THRESHOLD SITING SURFACE PENETRATIONS

LEGEND

	EXISTING	ULTIMATE
PROPERTY LINE		SAME
BUILDING RESTRICTION LINE (B.R.L.)	B.R.L.	SAME
DEVELOPMENT		
WIND CONE & SEGEMENTED CIRCLE		
WIND CONE ONLY		SAME
BUILDINGS		SAME
ROADWAYS		
THRESHOLD LIGHTS		SAME
AIRPORT REFERENCE POINT	TREELINE	
ROTATING BEACON	ROADS TO BE OBLITERATED	
ANTENNAE/TOWERS		

AIRPORT SURVEY CONTROL

MONUMENT	DESCRIPTION	ELEVATION	LATITUDE	LONGITUDE
AFM A	PACS	281.615	67°06'29.61835"	157°51'17.48282"
AFM B	SACS	255.206	67°06'15.30187"	157°51'14.93079"
AFM C	SACS	294.938	67°06'35.25886"	157°51'56.03511"

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	AIRPORT DATA SHEET
2	EXISTING AIRPORT LAYOUT PLAN
3	ULTIMATE AIRPORT LAYOUT PLAN
4	AIRPORT AIRSPACE DRAWING
5	EXISTING/ULTIMATE INNER PORTION OF THE APPROACH SURFACE DRAWING
6	ULTIMATE & EXISTING APPROACH PROFILES
7	EXISTING AND ULTIMATE TERMINAL AREA PLAN

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NORTHERN REGION-DESIGN AND CONSTRUCTION-AVIATION

APPROVED Albert M. L. Beck DATE 9.25.13

ALBERT M. L. BECK, P.E. DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN
Approved By Letter Dated: 10/1/2013

AIRPORTS DIVISION, ALASKAN REGION, AAL-601

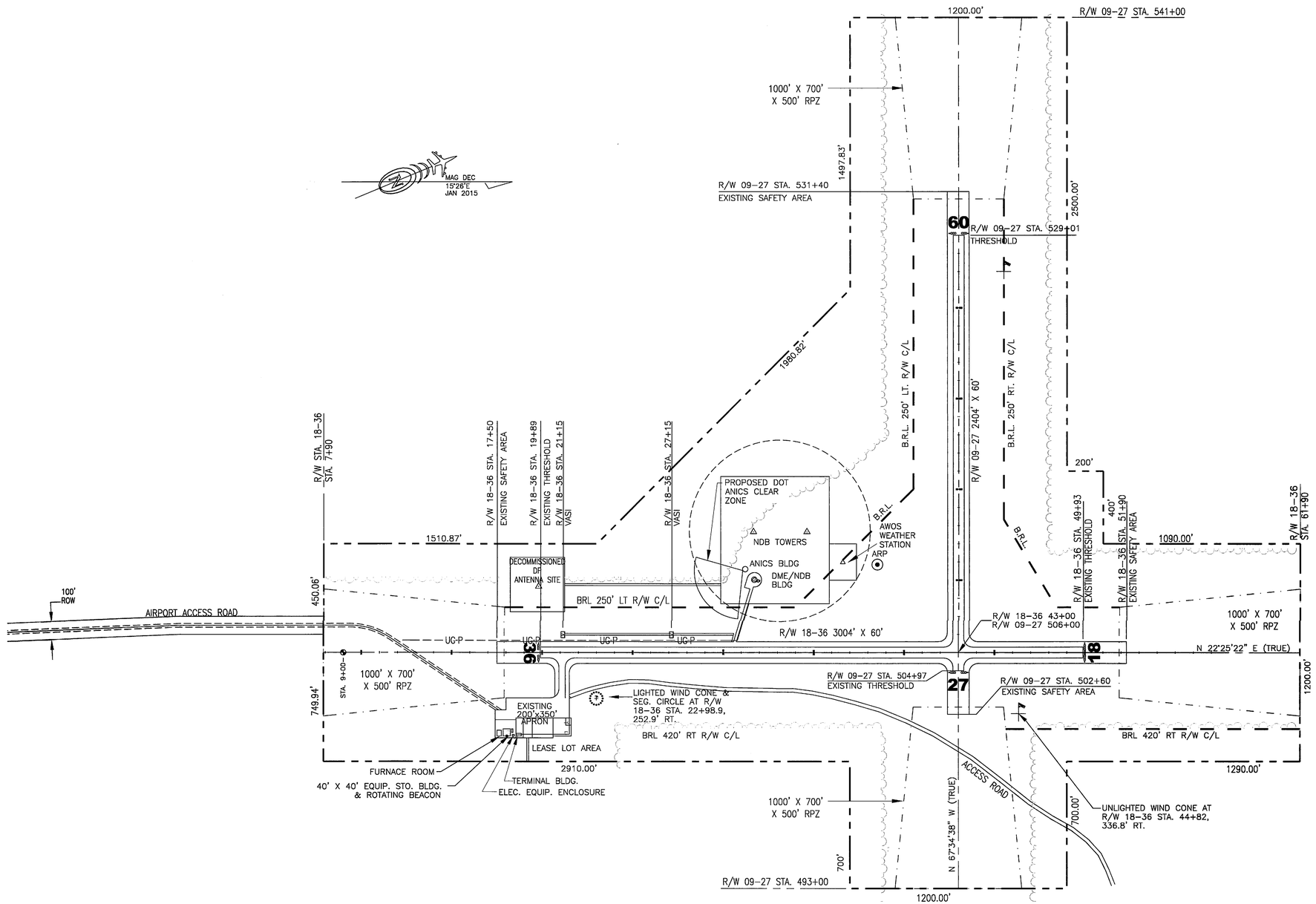
AIRSPACE REVIEW #2013-AAL-300-NRA

FEET 200 0 100 200 400

AMBLER AIRPORT

AIRPORT DATA SHEET

SHEET 1 OF 7



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APPROVED
ALBERT M. L. BECK, P.E. — DATE 9-25-13
DESIGN GROUP CHIEF

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Approved By Letter Dated: 10/1/2013
AIRPORTS DIVISION, ALASKAN REGION,
AAL-601
AIRSPACE REVIEW #2013-AAL-300-NRA

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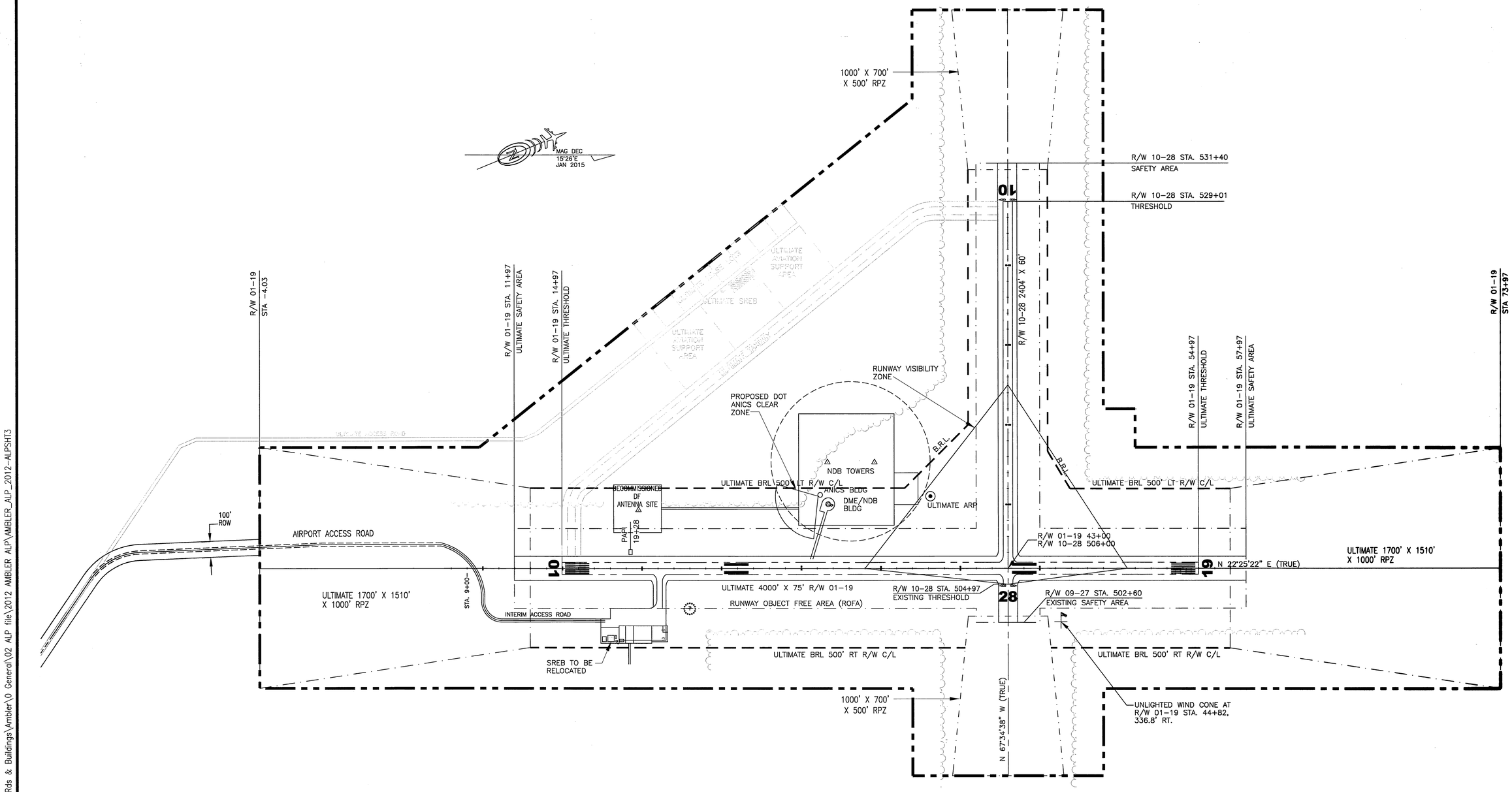
AMBLER AIRPORT
EXISTING AIRPORT LAYOUT PLAN

SHEET 2 OF 7



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APPROVED
Albert M. L. Beck
ALBERT M. L. BECK, P.E.
DATE 9-25-13
DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN
Approved By Letter Dated: 10/1/2013
AIRPORTS DIVISION, ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2013-AAL-300-NRA

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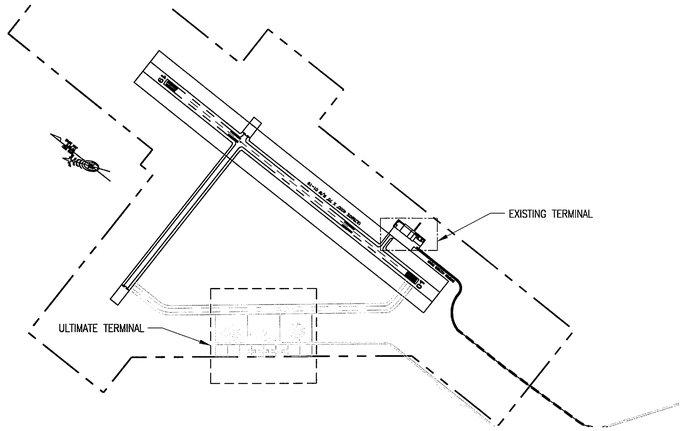
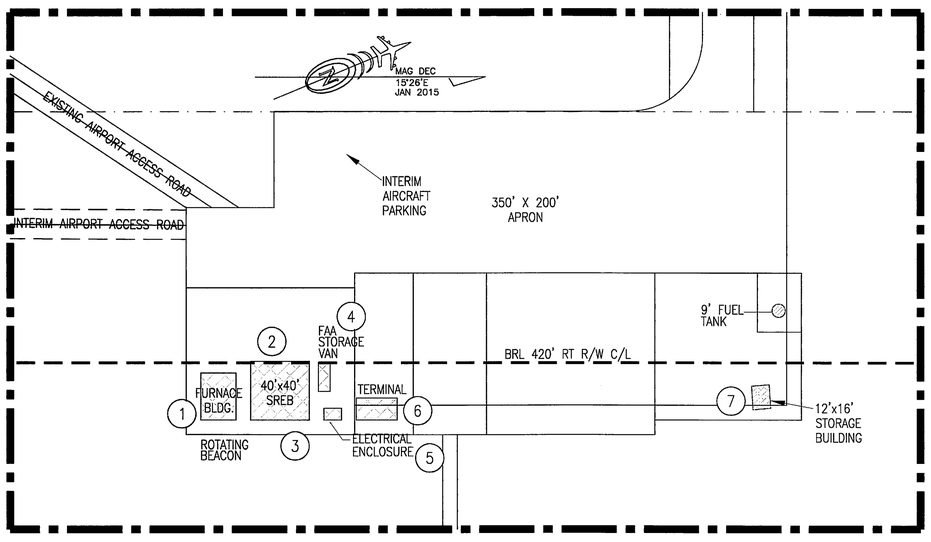
AMBLER AIRPORT
ULTIMATE AIRPORT LAYOUT PLAN

SHEET 3 OF 7

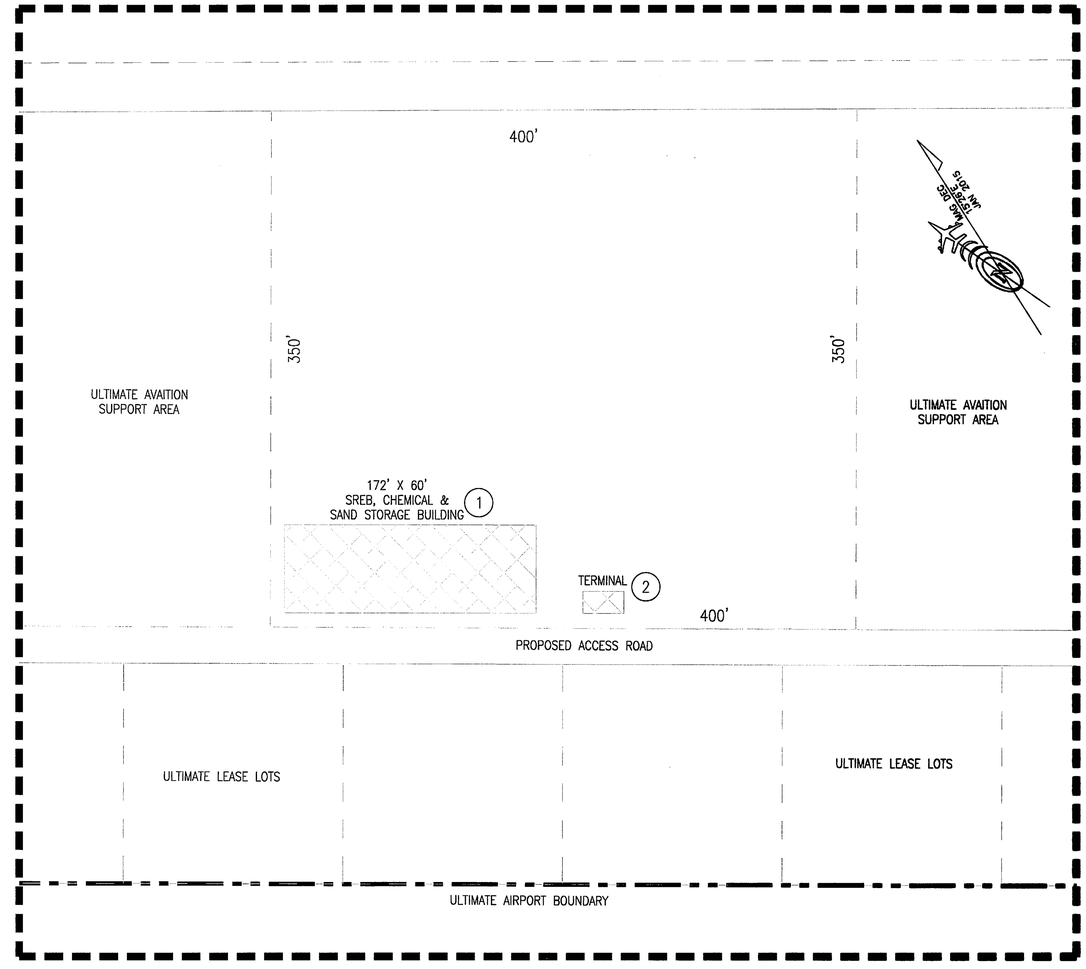




EXISTING AND INTERIM TERMINAL LAYOUT

BUILDING DATA TABLE

ID	DESCRIPTION OCCUPANT – STRUCTURE TYPE	BLDG. STATION/ OFFSET RT R/W 1 CL	TOP ELEV (MSL) STRUCTURE	OBSTRUCT EXISTING	OBSTRUCT ULTIMATE
1	AKDOT&PF – FURNACE BUILDING	17+75, 411 FT	260 FT	N	N
2	AKDOT&PF – SREB	17+119, 402 FT	264 FT	N	N
3	AKDOT&PF – ROTATING BEACON	17+119, 442 FT	271 FT	N	N
4	FAA – VAN STORAGE	17+148, 398 FT	249 FT	N	N
5	FAA – ELECTRICAL EQUIPMENT ENCLOSURE EQUIPMENT BUILDING	17+155, 432 FT	253 FT	N	N
6	AKDOT&PF – TERMINAL	17+184, 426 FT	257 FT	N	N
7	STORAGE BUILDING	21+32, 412 FT	255 FT	N	N
8					
9					
10					
11					



ULTIMATE TERMINAL LAYOUT

BUILDING DATA TABLE

ID	DESCRIPTION OCCUPANT – STRUCTURE TYPE	BLDG. STATION/ OFFSET RT R/W 1 CL	TOP ELEV (MSL) STRUCTURE	OBSTRUCT EXISTING	OBSTRUCT ULTIMATE
1	AKDOT&PF – SREB & CHEMICAL STORAGE BUILDING	26+64, 1798' FT	264 FT	N	N
2	AKDOT&PF – TERMINAL	25+33, 1751' FT	257 FT	N	N
3					
4					
5					
6					
7					
8					
9					
10					
11					

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ALBERT M. L. BECK, P.E. — DATE 9.25.13 — DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN
Approved By Letter Dated: 10/1/2013
AIRPORTS DIVISION, ALASKAN REGION, AAL–601
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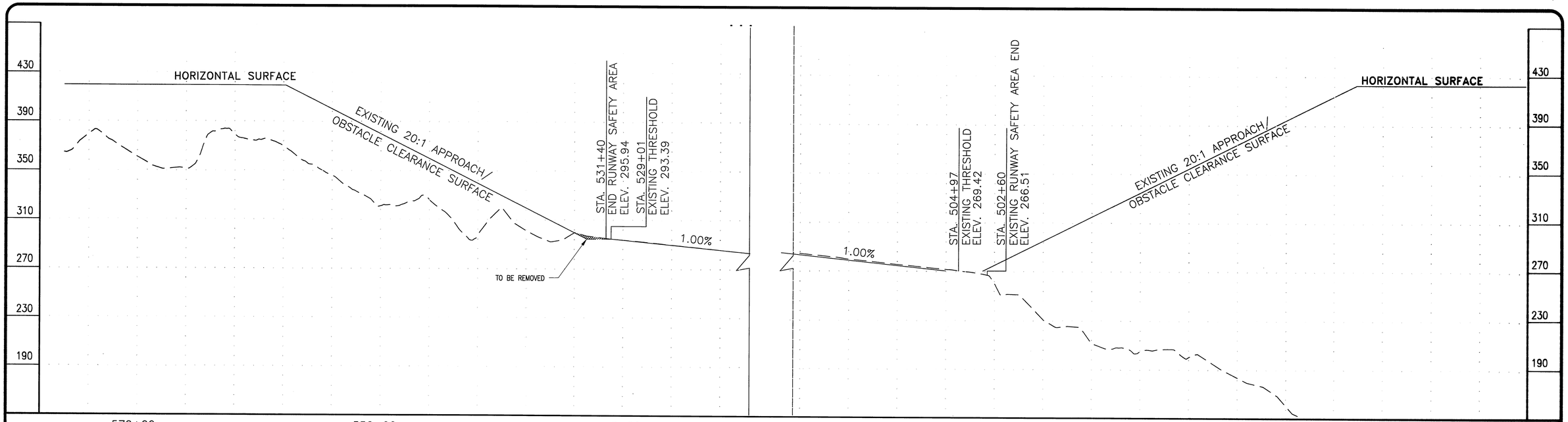
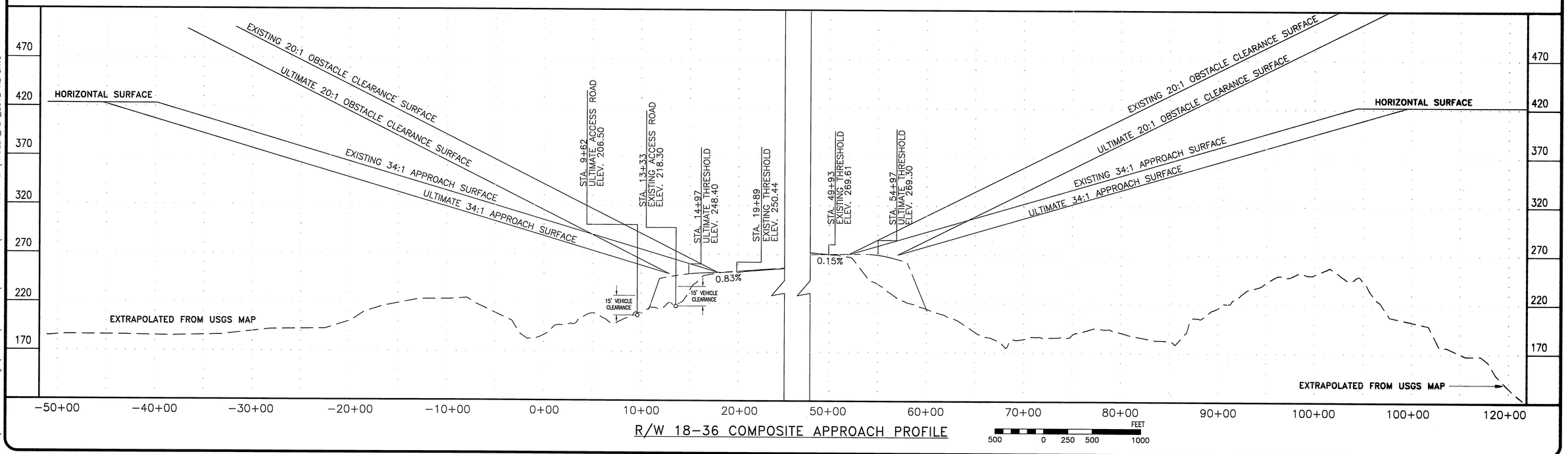
AMBLER AIRPORT
EXISTING/INTERIM/ULTIMATE TERMINAL LAYOUT PLAN

SHEET 4 OF 7



R/W 09-27 COMPOSITE APPROACH PROFILE



R/W 18-36 COMPOSITE APPROACH PROFILE

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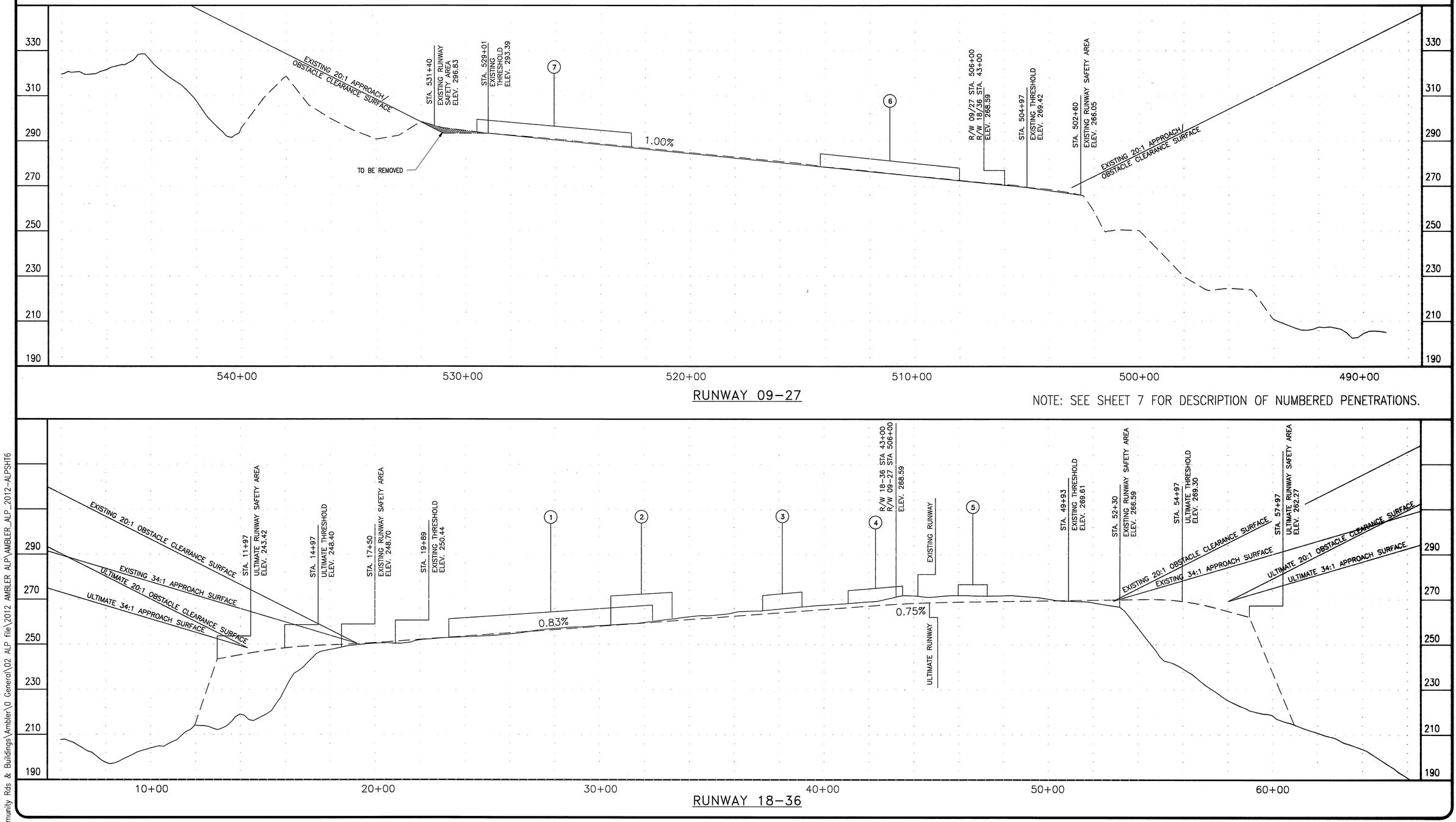
AMBLER AIRPORT

EXISTING\ULTIMATE INNER PORTION OF THE APPROACH SURFACE DRAWING
RUNWAY 18-36 AND RUNWAY 09-27

SHEET 5 OF 7



NOTE: SEE SHEET 7 FOR DESCRIPTION OF NUMBERED PENETRATIONS.

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ALBERT M. L. BECK, P.E.
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Approved By Letter Dated: 10/1/2013
Pat Vien
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AMBLER AIRPORT

EXISTING & ULTIMATE APPROACH PROFILES

RUNWAY 18-36 AND RUNWAY 09-27

SHEET 6 OF 7

EXISTING PART 77 SURFACE OBSTRUCTION

ID #	DESCRIPTION	STATION / OFFSET RUNWAY 01–19	ELEVATION	SURFACE\P PENETRATED	SURFACE\P ELEVATION	AMOUNT\P PENETRATED	DISPOSITION
1	MATERIAL SITE ACCESS ROAD	22+50–31+40, 32+60–34+60/ 150' RT	250.3–256.3'	PRIMARY	253.4–263.7'	3.1–7.4'*	TO BE REMOVED.
2	TERRAIN	29+60–32+00 / 190–290' LT	259.7–266.9'	PRIMARY/ TRANSITIONAL	259.3–261.5'	0.4–5.4'	TO BE REMOVED.
3	TERRAIN	36+80–37+80 / 190–270' LT	265.5–268.6'	PRIMARY/ TRANSITIONAL	265.5'–266.3'	0–2.3'	TO BE REMOVED.
4	TERRAIN	39+60–41+80 / 140–280' LT	269.6'–273.8'	PRIMARY/ TRANSITIONAL	267.6–269.7'	2.0–4.1'	TO BE REMOVED.
5	TERRAIN	45+00–46+20 / 160–315' LT	273.8–278.5'	PRIMARY/ TRANSITIONAL	271.4	2.4–7.1'	TO BE REMOVED.
6	TERRAIN	508+10–514+30 / 200–280' RT	275.4–281.8'	PRIMARY/ TRANSITIONAL	276.0–278.9'	0.6–2.9'	TO BE REMOVED.
7	TERRAIN	523+00–529+00 / 150–275' RT	289.6–298.6'	PRIMARY/ TRANSITIONAL	287.8–293.4'	1.8–5.2'	TO BE REMOVED.
8	TERRAIN	RW 9–27 1581+60 / 5920' RT	600–700' 443.4'–700'	CONICAL/ HORIZONTAL	443.4'–643.4' 443.4'	43.4'–56.6' 0–256.6'	TO REMAIN.

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AIRPORT LAYOUT PLAN
Approved By Letter Dated: 10/1/2013
AIRPORTS DIVISION, ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2013-AAL-300-NRA

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AMBLER AIRPORT
AIRPORT AIRSPACE DRAWING

SHEET 7 OF 7