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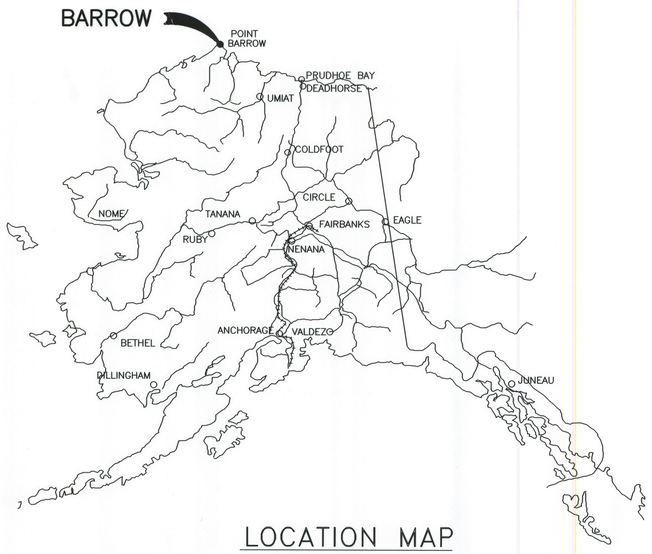
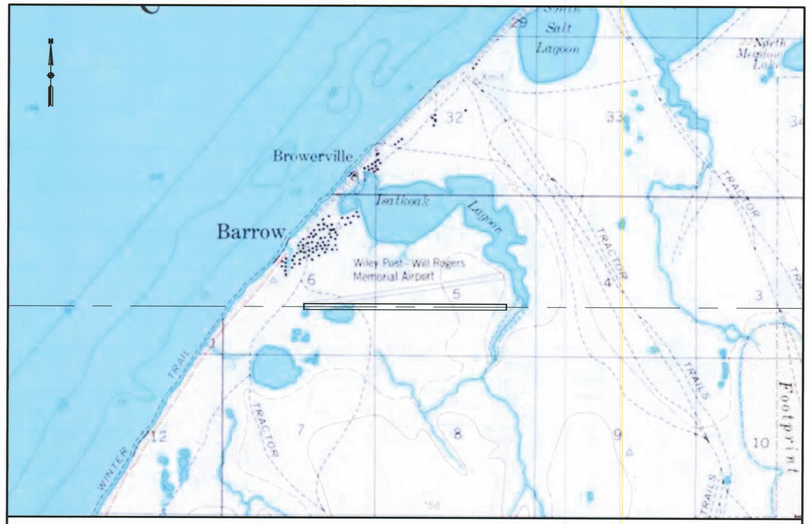


LOCATION MAP

BARROW, ALASKA
AIRPORT LAYOUT PLAN
WILEY POST/WILL ROGERS MEMORIAL AIRPORT



BARROW, ALASKA
AK T22N, R18W, S6

VICINITY MAP

SCALE: 1" = 1/2 MILE
0 1/2

LEGEND

ITEM	EXISTING	ULTIMATE
ANTENNA		
AIRPORT REFERENCE POINT		
ASPHALT SURFACE		
BUILDING		
BUILDING RESTRICTION LINE	BRL	BRL
BUSH		
CENTER LINE		
CONTOUR	100	
CRITICAL AREA		
FUEL TANK		
FENCE (PROPERTY)	X	X
GASLINE (ABOVE GROUND)		
LEASE LOT BOUNDARY		
LIGHTING		
PAPI		
PRECISION OBSTICALE FREE ZONE	POFZ	POFZ
PROPERTY LINE		
ROADWAY (GRAVEL)		
ROTATING BEACON		
RUNWAY OBJECT FREE AREA	OFA	OFA
RUNWAY OBSTACLE CLEARANCE SURFACE		
RUNWAY OBSTACLE FREE ZONE	OFZ	
RUNWAY SAFETY AREA	RSA	RSA
RUNWAY SHOULDER		
RUNWAY PROTECTION ZONE	RPZ	RPZ
SATELLITE DISH		
SEGMENTED CIRCLE		
SURVEY MONUMENT		
TAXIWAY OBJECT FREE AREA	TOFA	TOFA
TAXIWAY SAFETY AREA	TSA	TSA
WATERBODY		
WIND CONE		

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER
2	AIRPORT DATA
3	EXISTING AIRPORT LAYOUT PLAN
4	ULTIMATE AIRPORT LAYOUT PLAN
5	EXISTING/ULTIMATE RUNWAY PROFILE
6	EXISTING TERMINAL PLAN
7	ULTIMATE TERMINAL PLAN
8	EXISTING INNER PORTION OF APPROACH SURFACE
9	ULTIMATE INNER PORTION OF APPROACH SURFACE
10	EXISTING/ULTIMATE DEPARTURE SURFACE
11	AIRPORT AIRSPACE (FAR PART 77)
12	RUNWAY 7 AIRSPACE (FAR PART 77)
13	RUNWAY 25 AIRSPACE (FAR PART 77)
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15	PROPERTY MAP

DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION

APPROVED: _____ DATE 9/9/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
ALP APPROVAL LETTER DATED 9/14/16
FAA AIRSPACE REVIEW NUMBER: 2014–AAL–81–NRA

_____ DATE 9/14/16
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL– 612

BY	DATE	REVISIONS

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
COVER

SHEET 1 OF 15

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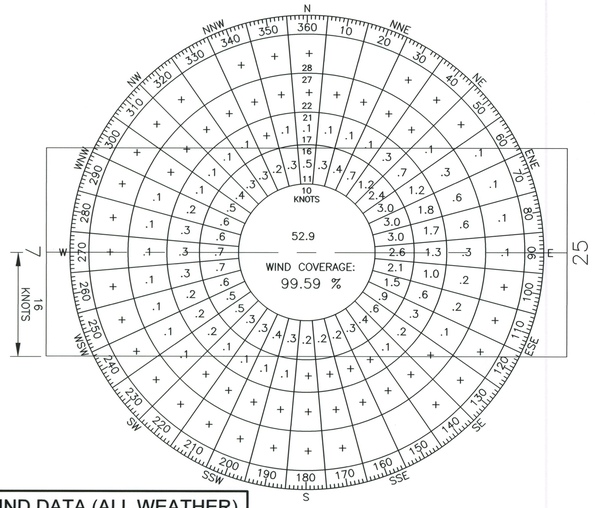
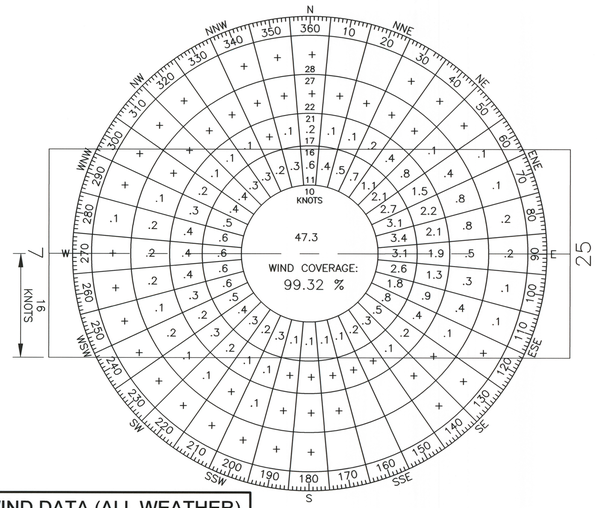


WIND DATA (ALL WEATHER)	
RUNWAY	16 kt (C-III/D-III)
7–25	98.5%

SOURCE: NCDC ISH/ISD
STATION NAME: BARROW W POST–W ROGERS
PERIOD: 2004–2013



WIND DATA (ALL WEATHER)	
RUNWAY	16 kt (C-III/D-III)
7–25	98.0%

SOURCE: NCDC ISH/ISD
STATION NAME: BARROW W POST–W ROGERS
PERIOD: 2004–2013

AIRPORT DATA

ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PABR	SAME
NATIONAL AIRPORT IDENTIFIER	BRW	SAME
FAA SITE NUMBER	50054.3*A	SAME
AIRPORT REFERENCE CODE (ARC)	C–III	D–III
AIRPORT ELEVATION (NAVD88)	48.86'	SAME
MEAN MAX. TEMPERATURE, HOTTEST MONTH	42.7°F, JULY	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	VERTICALLY GUIDED	SAME
NPIAS SERVICE LEVEL (P, CS, R, GA)	P	SAME
MAGNETIC DECLINATION (YEAR, RATE OF CHANGE)	15°43'48"E (2015, 31.8'W/YEAR) (NOAA/NCEI)	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	BEACON, RCAG, FSS, NDB, VOR/DME, DF, LIGHTED WINDCONE, ASOS	SAME

RUNWAY 7-25 DATA

ITEM	RUNWAY 7 EXISTING	RUNWAY 7 ULTIMATE	RUNWAY 25 EXISTING	RUNWAY 25 ULTIMATE
FAR PART 77 APPROACH CATEGORY (UTILITY, OTHER THAN UTILITY)	OTHER THAN UTILITY	SAME	OTHER THAN UTILITY	SAME
FAR PART 77 APPROACH TYPE (V, C, NPA, PA)	PA	SAME	NPA	PA
AASP CATEGORY	REGIONAL	SAME	REGIONAL	SAME
RUNWAY DESIGN CODE (RDC)	C–III–2400	D–III–2400	C–III–5000	D–III–4000
RUNWAY REFERENCE CODE (RRC)	C–III–2400	D–III–2400	C–III–5000	D–III–4000
CRITICAL AIRCRAFT	737–700	737–800	737–700	737–800
FAR PART 77 APPROACH	50:1/40:1	SAME	34:1	50:1/40:1
THRESHOLD SITING SURFACE (TSS) SLOPE	34:1	SAME	20:1	SAME
DEPARTURE SURFACE	40:1	SAME	40:1	SAME
VISIBILITY MINIMUM	<3/4 SM	SAME	>1 SM	≥3/4 SM
RUNWAY SURFACE	ASPHALT	SAME	ASPHALT	SAME
PAVEMENT STRENGTH (SW, DW, DTW x1000lbs)	75, 160, 300	SAME	75, 160, 300	SAME
PAVEMENT STRENGTH PCN	43/F/A/X/U	SAME	43/F/A/X/U	SAME
PAVEMENT SURFACE TREATMENT	GROOVED	SAME	GROOVED	SAME
TRUE MEAN BEARING	N 89°58'16" E	SAME	S 89°58'16" W	SAME
EFFECTIVE GRADE	0.057%	SAME	0.057%	SAME
RUNWAY TOUCHDOWN ZONE ELEVATIONS (NAVD 88)	48.86	SAME	44.70	SAME
RUNWAY DIMENSIONS	150' x 7100'	SAME	150' x 7100'	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	500' x 7700'	SAME	500' x 7700'	SAME
RSA LENGTH PRIOR TO THRESHOLD	1000'	SAME	800'	SAME
RSA LENGTH BEYOND END	1000'	SAME	800'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS (APPROACH)	2500' x 1000' x 1750'	SAME	1700' x 500' x 1010'	1700' x 1000' x 1510'
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS (DEPARTURE)	1700' x 500' x 1010'	SAME	1700' x 500' x 1010'	SAME
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	800' x 7700'	SAME	800' x 7700'	SAME
ROFA LENGTH PRIOR TO THRESHOLD	1000'	SAME	800'	SAME
ROFA LENGTH BEYOND END	1000'	SAME	800'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	400' x 7500'	SAME	400' x 7500'	SAME
PRECISION OBJECT FREE ZONE (POFZ) DIMENSIONS	800' x 200'	SAME	NONE	SAME
RUNWAY LIGHTING TYPE	HIRL	SAME	HIRL	SAME
RUNWAY MARKING TYPE (P, NP, NONE)	P	SAME	P	SAME
RUNWAY VISUAL APPROACH AIDS	MALSR, RVR, PAPI	SAME	REIL, RVR, PAPI	SAME
RUNWAY LANDING AIDS	DME, ILS, RNAV/GPS	SAME	RNAV/GPS	DME, ILS, RNAV/GPS
AERONAUTICAL SURVEY TYPE REQUIRED	VERTICALLY GUIDED	SAME	VERTICALLY GUIDED	SAME

MODIFICATION TO STANDARDS

ITEM	EXISTING	STANDARD	ULTIMATE	AIRSPACE	APPROVAL DATE
FULL LENGTH PARALLEL TAXIWAY TO THRESHOLD	PARTIAL LENGTH	FULL LENGTH	FULL LENGTH	2013–AAL–19–NRA	3/15/2013

NON-STANDARD CONDITIONS

ITEM	STANDARD	EXISTING	ULTIMATE
R/W 25 RSA LENGTH BEYOND END	1000'	800'	800'*
R/W TOUCHDOWN MARKINGS	NONE W/IN 900' OF R/W MIDPOINT	MARKINGS W/IN 900' OF R/W MIDPOINT	REMOVE
R/W 7 ROFA PENETRATION BY ROAD	NONE	+15'	+15'

*PER FAA RUNWAY SAFETY AREA DETERMINATION DATED 01/27/2003

PACS & SACS

DESIGNATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION
BRW A	71°17'00.86"N	156°46'25.49"W	30.10	6320608.68	1784536.19	39.52'	PACS
BRW B	71°17'11.65"N	156°45'16.50"W	19.57'	6321751.34	1786765.60	29.01'	SACS
BRW C	71°17'10.34"N	156°47'10.75"W	28.04'	6321542.71	1783039.37	37.47'	SACS

GEOGRAPHIC COORDINATES (NAD 83) & ELEVATIONS (NAVD 88)

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	71°17'05.54"N	156°46'06.87"W	N/A	SAME	SAME	SAME
RW 7 DISPLACED THRESHOLD	71°17'05.53"N	156°47'37.22"W	48.83'	SAME	SAME	SAME
RW 7 END	71°17'05.53"N	156°47'55.60"W	48.58'	SAME	SAME	SAME
RW 25 DISPLACED THRESHOLD	71°17'05.56"N	156°44'36.52"W	39.18'	SAME	SAME	SAME
RW 25 END	71°17'05.56"N	156°44'18.14"W	37.35'	SAME	SAME	SAME

DECLARED DISTANCES

	RUNWAY	TORA	TODA	ASDA	LDA
EXISTING	7	7100'	7100'	6500'	5900'
	25	7100'	7100'	6500'	5900'
ULTIMATE	7	7100'	7100'	6500'	5900'
	25	7100'	7100'	6500'	5900'

NOTES

1. THIS ALP DRAWING SET IS UPDATED BASED ON AN AIRPORT OBSTRUCTION CHART SURVEY (AOC) COMPLETED BY USKH INC. IN 2013 IN ACCORDANCE WITH FAA AC 150/5300–18B. THIS ALP WAS UPDATED IN ACCORDANCE WITH FAA AC 150/5300–13A AND 150/5070–6B IN DECEMBER 2013.
2. FAA AIRSPACE CASE NUMBER: 2014–AAL–81–NRA
3. VERTICAL DATUM IS NAVD 1988 USING GEOID12A AND REFERENCING PACS BRW A
4. HORIZONTAL DATUM IS NAD83 (2011). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 6, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.

TAXIWAY DATA

ITEM	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	3	SAME
TAXIWAY DIMENSIONS	(SEE SHEET 3)	(SEE SHEET 4)
TAXIWAY SHOULDER WIDTH	25'	20'
TAXIWAY EDGE SAFETY MARGIN	10'	SAME
SEPARATION FROM PARALLEL RUNWAY	N/A	SAME
TAXIWAY SAFETY AREA (TSA) WIDTH	171'	118'
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	259'	186'
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING	CL, EDGE, HOLDLINE	SAME

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DESIGN MMM
DRAWN RWW
CHECKED JGL

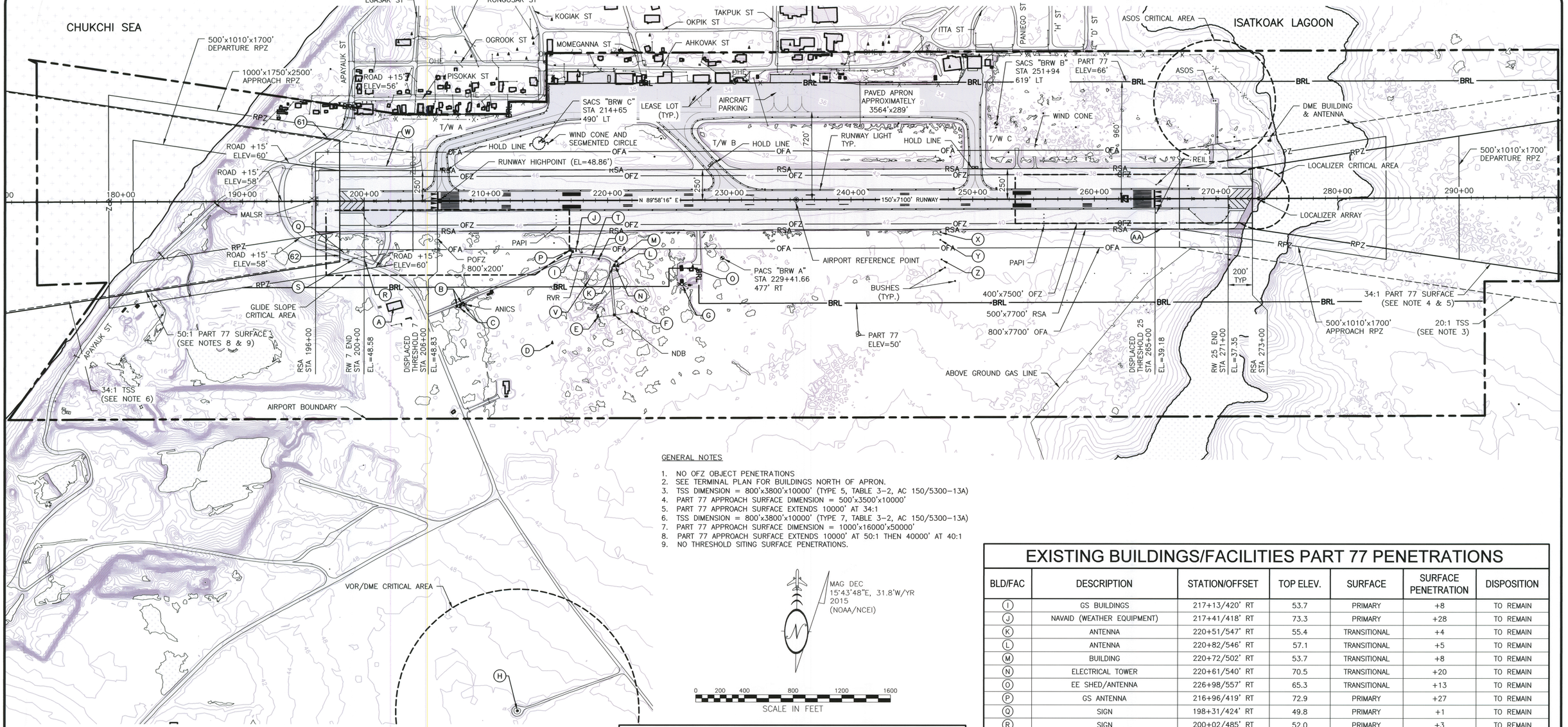
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION
APPROVED: _____ DATE 9/3/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
AIRPORT DATA

SHEET 2 OF 15



GENERAL NOTES

1. NO OFZ OBJECT PENETRATIONS
2. SEE TERMINAL PLAN FOR BUILDINGS NORTH OF APRON.
3. TSS DIMENSION = 800'x3800'x10000' (TYPE 5, TABLE 3-2, AC 150/5300-13A)
4. PART 77 APPROACH SURFACE DIMENSION = 500'x3500'x10000'
5. PART 77 APPROACH SURFACE EXTENDS 10000' AT 34:1
6. TSS DIMENSION = 800'x3800'x10000' (TYPE 7, TABLE 3-2, AC 150/5300-13A)
7. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
8. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
9. NO THRESHOLD SITING SURFACE PENETRATIONS.

EXISTING TAXIWAY DATA

	TDG	WIDTH	TSA WIDTH	TOFA WIDTH	WING TIP CLEARANCE
TAXILANE	N/A	75'	N/A	225'	27'
T/W A	3	75'	171'	259'	44'
T/W B	3	75'	171'	259'	44'
T/W C	3	75'	171'	259'	44'

EXISTING BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.
A	BARROW ELECTRIC BUILDING	202+52/864' RT	77.7
B	(2) BUILDINGS	207+90/853' RT	56.6
C	(2) SATELLITE DISHES	208+04/868' RT	61.3
D	DF ANTENNA	215+43/1175' RT	60.1
E	NDB ANTENNA	220+19/960' RT	103.6
F	NDB ANTENNA	221+95/922' RT	104.5
G	ROTATING BEACON	226+11/692' RT	84.2
H	VOR/DME	212+50/4190' RT	90.5

EXISTING BUILDINGS/FACILITIES PART 77 PENETRATIONS

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	SURFACE	SURFACE PENETRATION	DISPOSITION
I	GS BUILDINGS	217+13/420' RT	53.7	PRIMARY	+8	TO REMAIN
J	NAVAID (WEATHER EQUIPMENT)	217+41/418' RT	73.3	PRIMARY	+28	TO REMAIN
K	ANTENNA	220+51/547' RT	55.4	TRANSITIONAL	+4	TO REMAIN
L	ANTENNA	220+82/546' RT	57.1	TRANSITIONAL	+5	TO REMAIN
M	BUILDING	220+72/502' RT	53.7	TRANSITIONAL	+8	TO REMAIN
N	ELECTRICAL TOWER	220+61/540' RT	70.5	TRANSITIONAL	+20	TO REMAIN
O	EE SHED/ANTENNA	226+98/557' RT	65.3	TRANSITIONAL	+13	TO REMAIN
P	GS ANTENNA	216+96/419' RT	72.9	PRIMARY	+27	TO REMAIN
Q	SIGN	198+31/424' RT	49.8	PRIMARY	+1	TO REMAIN
R	SIGN	200+02/485' RT	52.0	PRIMARY	+3	TO REMAIN
S	FENCE LINE	201+18/513' RT	53.0	PRIMARY	+4	TO REMAIN
T	SECONDARY ROAD	218+69/461' RT	54.3	PRIMARY	+6	TO REMAIN
U	BUILDING	219+28/482' RT	57.2	PRIMARY	+9	TO REMAIN
V	FENCE LINE	219+24/531' RT	51.1	TRANSITIONAL	+2	TO REMAIN
W	SIGN	201+84/287' LT	54.1	PRIMARY	+5	REMOVE
X	BUSH	247+36/269' RT	38.0	PRIMARY	+1	REMOVE
Y	BUSH	247+35/333' RT	38.7	PRIMARY	+1	REMOVE
Z	BUSH	247+43/494' RT	39.5	PRIMARY	+2	REMOVE
AA	POST	265+52/245' RT	37.4	PRIMARY	+1	REMOVE
* 61	ROAD +15'	197+10/513' LT	56.0	PART 77	+6	TO REMAIN
* 62	ROAD +15'	198+00/445' RT	59.0	PART 77	+10	TO REMAIN

*SEE SHEET 8 (EXISTING INNER PORTION OF APPROACH SURFACE) FOR ADDITIONAL INFORMATION.

DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION
APPROVED:
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/9/2016

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
EXISTING
AIRPORT LAYOUT PLAN

SHEET 3 OF 15

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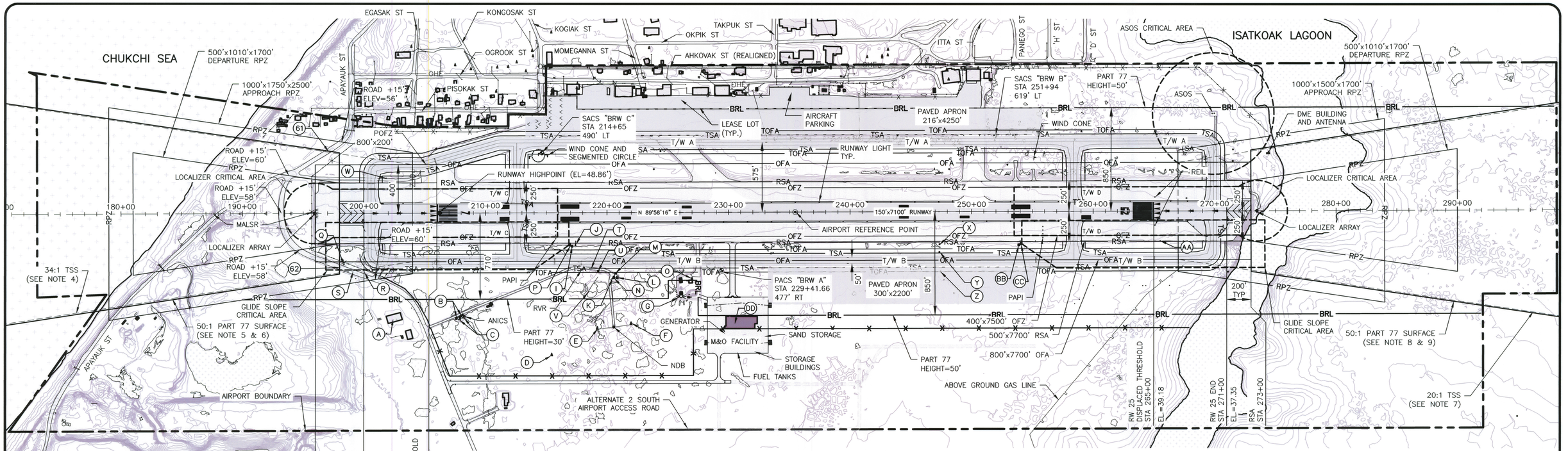
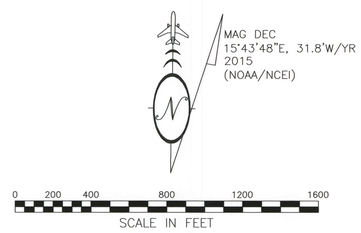


GENERAL NOTES

1. NO OFZ OBJECT PENETRATIONS
2. SEE TERMINAL PLAN FOR BUILDINGS NORTH OF APRON.
3. LOCATION OF T/W F REQUIRES RELOCATION OF Ⓖ, Ⓗ, Ⓝ, Ⓤ, AND Ⓥ
4. TSS DIMENSION = 800'x3800'x10000' (TYPE 7, TABLE 3-2, AC 150/5300-13A)
5. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
6. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
7. TSS DIMENSION = 800'x3800'x10000' (TYPE 6, TABLE 3-2, AC 150/5300-13A)
8. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
9. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
10. NO THRESHOLD SITING SURFACE PENETRATIONS



ULTIMATE TAXIWAY DATA

	TDG	WIDTH	TSA WIDTH	TOFA WIDTH	WING TIP CLEARANCE
TAXILANE	N/A	75'	N/A	162'	27'
T/W A	3	50'	118'	186'	34'
T/W B	3	50'	118'	186'	34'
T/W C	3	50'	118'	186'	34'
T/W D	3	50'	118'	186'	34'

ULTIMATE BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.
Ⓐ	BARROW ELECTRIC BUILDING	202+52/864' RT	77.7
Ⓑ	(2) BUILDINGS	207+90/853' RT	56.6
Ⓒ	(2) SATELLITE DISHES	208+04/868' RT	61.3
Ⓓ	DF ANTENNA	215+43/1175' RT	60.1
Ⓔ	NDB ANTENNA	220+19/960' RT	103.6
Ⓕ	NDB ANTENNA	221+95/922' RT	104.5
Ⓖ	ROTATING BEACON	226+11/692' RT	84.2
Ⓗ	VOR/DME	212+50/4190' RT	90.5
ⒹⒹ	M&O BUILDING	230+10/854' RT	79.0

ULTIMATE BUILDINGS/FACILITIES PART 77 PENETRATIONS

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	SURFACE	SURFACE PENETRATION	DISPOSITION
Ⓘ	GS BUILDINGS	217+13/270' RT	53.7	PRIMARY	+8	RELOCATE
Ⓙ	NAVAID (WEATHER EQUIPMENT)	217+41/268' RT	73.3	PRIMARY	+28	RELOCATE
Ⓚ	ANTENNA	220+51/547' RT	55.4	TRANSITIONAL	+4	TO REMAIN
Ⓛ	ANTENNA	220+82/546' RT	57.1	TRANSITIONAL	+5	TO REMAIN
Ⓜ	BUILDING	220+72/502' RT	53.7	TRANSITIONAL	+8	TO REMAIN
Ⓝ	ELECTRICAL TOWER	220+61/540' RT	70.5	TRANSITIONAL	+20	TO REMAIN
Ⓞ	EE SHED/ANTENNA	226+98/557' RT	65.3	TRANSITIONAL	+13	TO REMAIN
Ⓟ	GS ANTENNA	216+96/269' RT	72.9	PRIMARY	+26	RELOCATE
Ⓠ	SIGN	198+31/424' RT	49.8	PRIMARY	+1	TO REMAIN
Ⓡ	SIGN	200+02/485' RT	52.0	PRIMARY	+3	TO REMAIN
Ⓢ	FENCE LINE	201+18/513' RT	53.0	PRIMARY	+4	TO REMAIN
Ⓣ	SECONDARY ROAD	218+69/461' RT	54.3	PRIMARY	+6	RELOCATE
Ⓤ	BUILDING	219+28/482' RT	57.2	PRIMARY	+9	RELOCATE
Ⓥ	FENCE LINE	219+24/531' RT	51.1	TRANSITIONAL	+2	TO REMAIN
Ⓦ	SIGN	201+84/287' LT	54.1	PRIMARY	+5	REMOVE
Ⓧ	BUSH	247+36/269' RT	38.0	PRIMARY	+1	REMOVE
Ⓨ	BUSH	247+35/333' RT	38.7	PRIMARY	+1	REMOVE
Ⓩ	BUSH	247+43/494' RT	39.5	PRIMARY	+2	REMOVE
ⒶⒶ	POST	265+52/245' RT	37.4	PRIMARY	+1	REMOVE
ⒷⒷ	GS BUILDINGS	253+86/270' RT	49.5	PRIMARY	+9	(PROPOSED)
ⒸⒸ	GS ANTENNA	254+03/269' RT	68.2	PRIMARY	+28	(PROPOSED)
* 61	ROAD +15'	197+10/513' LT	56.0	PART 77	+6	TO REMAIN
* 62	ROAD +15'	198+00/445' RT	59.0	PART 77	+10	TO REMAIN

*SEE SHEET 9 (ULTIMATE INNER PORTION OF APPROACH SURFACE) FOR ADDITIONAL INFORMATION.

DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION
APPROVED: for
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/9/2016

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
ULTIMATE
AIRPORT LAYOUT PLAN

SHEET 4 OF 15

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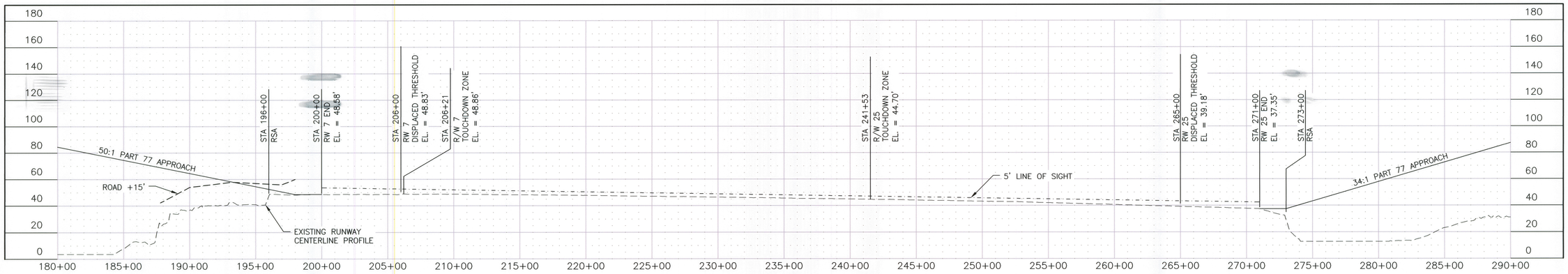

RUNWAY 7/25 PROFILE

0 200 400 800 1200 1600
SCALE IN FEET

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DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION

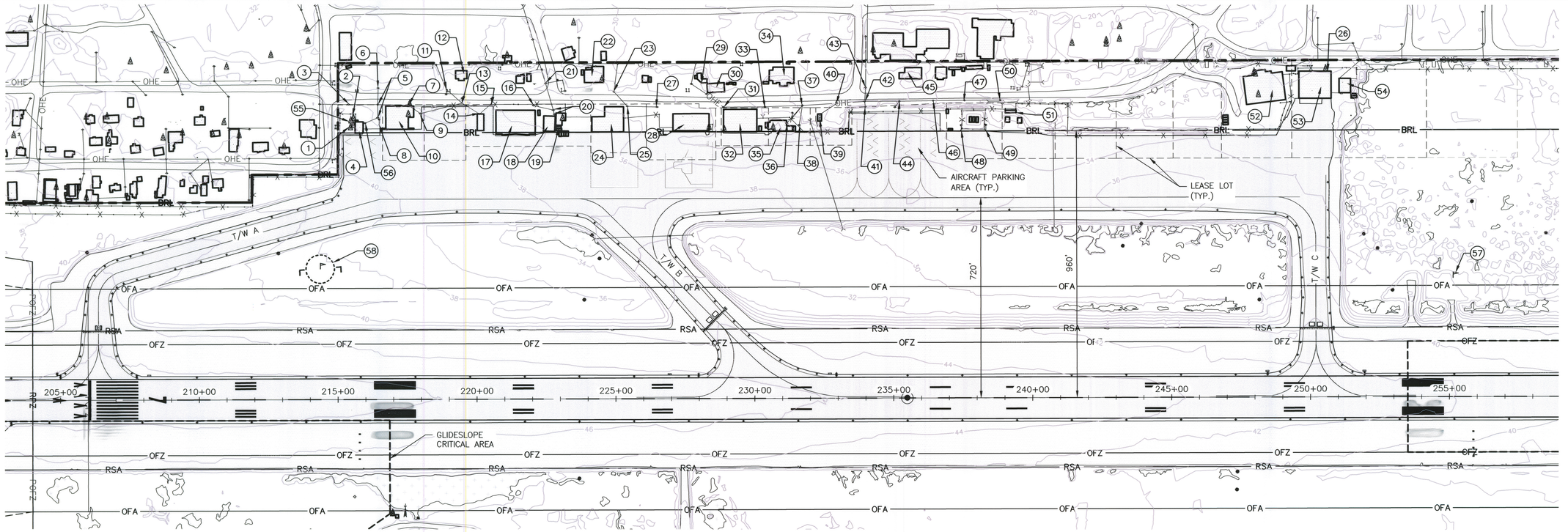
APPROVED: _____ DATE 9/9/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
EXISTING/ULTIMATE
RUNWAY PROFILE

SHEET 5 OF 15



MAG DEC
15°43'48"E, 31.8'W/YR
2015
(NOAA/NCEI)

0 100 200 400 600 800
SCALE IN FEET

TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
1	FSS ANTENNA	215+46/970' LT	98.1	YES
2	FSS ANTENNA	215+57/1003' LT	97.5	YES
3	POWER POLE	215+40/1062' LT	73.6	NO
4	FSS BUILDING	215+78/979' LT	65.2	NO
5	2 POWER POLES	216+45/1061' LT	77.8	UNKNOWN
6	POWER POLE	216+47/1120' LT	62.4	NO
7	POWER POLE	217+60/1053' LT	69.1	NO
8	LUMINAIRE	217+99/1028' LT	88.9	UNKNOWN
9	POWER POLE	216+50/990' LT	71.5	NO
10	HANGAR	217+14/1016' LT	83.2	UNKNOWN
11	POWER POLE	218+92/1116' LT	63.8	NO
12	TRANSIT STATION	219+46/1168' LT	50.6	UNKNOWN
13	POWER POLE	219+48/1065' LT	63.0	NO
14	POWER POLE	220+11/1027' LT	55.5	NO
15	POWER POLE	220+54/1063' LT	62.6	NO
16	POWER POLE	222+07/1056' LT	62.5	NO
17	TERMINAL	221+38/1000' LT	89.1	UNKNOWN
18	OFFICE	222+63/995' LT	58.2	UNKNOWN
19	SHED	222+97/969' LT	45.2	NO
20	POWER POLES	222+77/1039' LT	72.5	NO
21	POWER POLE	222+49/1136' LT	70.9	NO
22	OFFICE	224+21/1164' LT	82.0	UNKNOWN
23	POWER POLE	224+95/1105' LT	65.1	NO
24	HANGAR	224+83/1004' LT	68.2	UNKNOWN

TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
25	POWER POLE	225+44/1052' LT	68.0	NO
26	(2) ANTENNAS	250+56/1170' LT	94.8	UNKNOWN
27	POWER POLE	226+50/1049' LT	66.1	NO
28	AK AIRLINE TERMINAL	227+75/993' LT	67.8	NO
29	FAA M&O BUILDINGS	228+07/1147' LT	43.6	NO
30	FAA STORAGE BUILDING	228+63/1118' LT	52.8	UNKNOWN
31	POWER POLE	228+90/1048' LT	60.9	NO
32	ARFF	229+50/999' LT	62.1	UNKNOWN
33	POWER POLE	230+39/1049' LT	66.8	NO
34	HOTEL	231+04/1164' LT	61.1	NO
35	OFFICE	230+95/782' LT	52.4	NO
36	POWER POLE	231+17/899' LT	53.3	NO
37	POWER POLE	231+74/1053' LT	63.9	NO
38	POWER POLE	231+63/983' LT	59.1	NO
39	OFFICE	232+36/1010' LT	49.5	NO
40	POWER POLE	232+98/1061' LT	62.6	NO
41	POWER POLE	234+00/1048' LT	53.8	NO
42	POWER POLE	233+98/1067' LT	64.2	NO
43	POWER POLE	234+01/117' LT	63.9	NO
44	POWER POLE	235+27/1067' LT	62.2	NO
45	OFFICE	235+76/1169' LT	49.0	NO
46	POWER POLE	236+44/1069' LT	59.6	NO
47	POWER POLE	237+58/1070' LT	59.8	NO
48	LUMINAIRE	237+44/963' LT	54.9	NO

TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
49	LUMINAIRE	238+33/963' LT	53.8	NO
50	POWER POLE	238+85/1070' LT	54.6	NO
51	TRAILER	239+24/1030' LT	37.2	NO
52	BOROUGH BUILDING	248+38/1115' LT	76.2	NO
53	BOROUGH BUILDING	250+13/1121' LT	72.6	NO
54	BUILDING	251+25/1121' LT	61.3	UNKNOWN
55	FSS ANTENNA	215+48/995' LT	96.8	YES
56	POWER POLE	215+99/995' LT	62.6	NO
57	LIGHTED WIND CONE	255+14/427' LT	56.6	YES
58	LIGHTED WIND CONE AND SEG. CIRCLE	214+37/470' LT	61.2	YES

TERMINAL BUILDINGS/FACILITIES PART 77 PENETRATIONS

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	SURFACE	SURFACE PENETRATIONS	DISPOSITION
57	LIGHTED WIND CONE	255+14/427' LT	56.6	PRIMARY	+17	TO REMAIN
58	LIGHTED WIND CONE	214+37/470' LT	61.2	PRIMARY	+15	TO REMAIN

NOTE:
1. TERMINAL BUILDINGS/FACILITIES UNLESS OTHERWISE NOTED ARE TO REMAIN

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DESIGN MMM
DRAWN RWW
CHECKED JGL

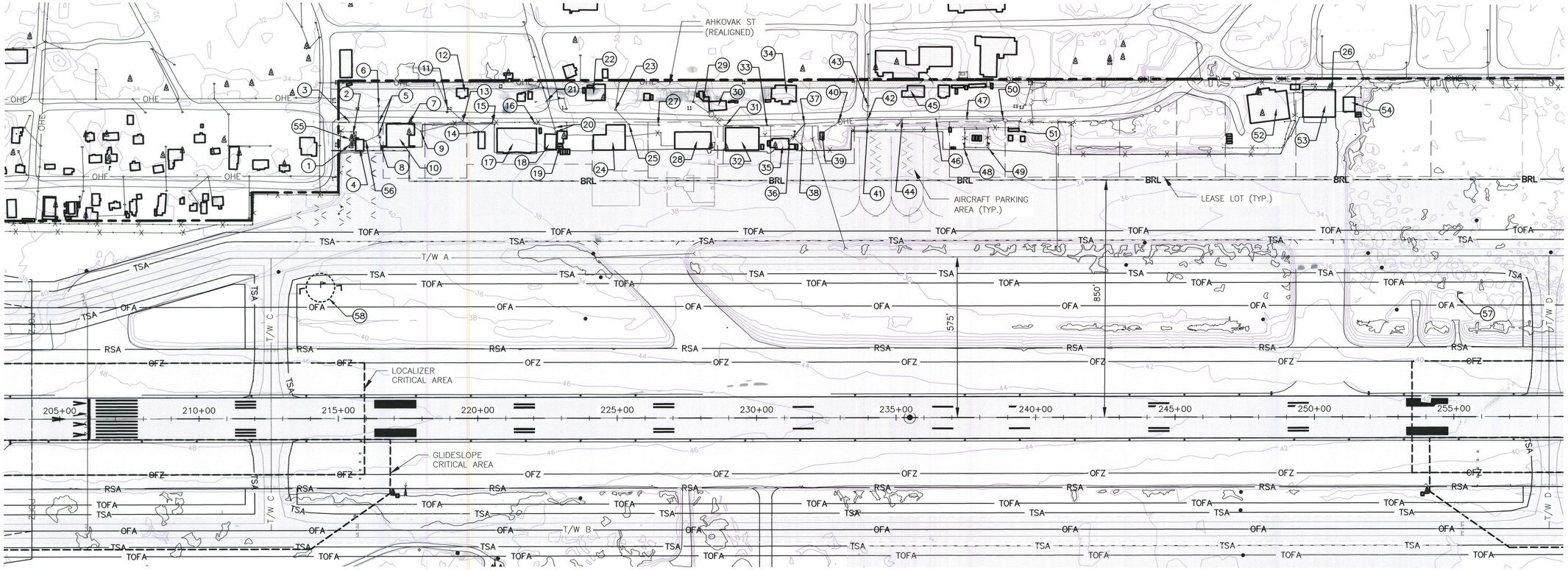
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION
APPROVED: for
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/9/2016

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
EXISTING
TERMINAL PLAN

SHEET 6 OF 15



TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
①	FSS ANTENNA	215+46/970' LT	98.1	YES
②	FSS ANTENNA	215+57/1003' LT	97.5	YES
③	POWER POLE	215+40/1062' LT	73.6	NO
④	FSS BUILDING	215+78/979' LT	65.2	NO
⑤	2 POWER POLES	216+45/1061' LT	77.8	UNKNOWN
⑥	POWER POLE	216+47/1120' LT	62.4	NO
⑦	POWER POLE	217+60/1053' LT	69.1	NO
⑧	LUMINAIRE	217+99/1028' LT	88.9	UNKNOWN
⑨	POWER POLE	216+50/990' LT	71.5	NO
⑩	HANGER	217+14/1016' LT	83.2	UNKNOWN
⑪	POWER POLE	218+92/1116' LT	63.8	NO
⑫	TRANSIT STATION	219+46/1168' LT	50.6	UNKNOWN
⑬	POWER POLE	219+48/1065' LT	63.0	NO
⑭	POWER POLE	220+11/1027' LT	55.5	NO
⑮	POWER POLE	220+54/1063' LT	62.6	NO
⑯	POWER POLE	222+07/1056' LT	62.5	NO
⑰	TERMINAL	221+38/1000' LT	89.1	UNKNOWN
⑱	OFFICE	222+63/995' LT	58.2	UNKNOWN
⑲	SHED	222+97/969' LT	45.2	NO
⑳	POWER POLES	222+77/1039' LT	72.5	NO
㉑	POWER POLE	222+49/1136' LT	70.9	NO
㉒	OFFICE	224+21/1164' LT	82.0	UNKNOWN
㉓	POWER POLE	224+95/1105' LT	65.1	NO
㉔	HANGER	224+83/1004' LT	68.2	UNKNOWN

TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
㉕	POWER POLE	225+44/1052' LT	68.0	NO
㉖	(2) ANTENNAS	250+56/1170' LT	94.8	UNKNOWN
㉗	POWER POLE	226+50/1049' LT	66.1	NO
㉘	AK AIRLINE TERMINAL	227+75/993' LT	67.8	NO
㉙	FAA M&O BUILDINGS	228+07/1147' LT	43.6	NO
㉚	FAA STORAGE BUILDING	228+63/1118' LT	52.8	UNKNOWN
㉛	POWER POLE	228+90/1048' LT	60.9	NO
㉜	ARFF	229+50/999' LT	62.1	UNKNOWN
㉝	POWER POLE	230+39/1049' LT	66.8	NO
㉞	HOTEL	231+04/1164' LT	61.1	NO
㉟	OFFICE	230+95/782' LT	52.4	NO
㊱	POWER POLE	231+17/899' LT	53.3	NO
㊲	POWER POLE	231+74/1053' LT	63.9	NO
㊳	POWER POLE	231+63/983' LT	59.1	NO
㊴	OFFICE	232+36/1010' LT	49.5	NO
㊵	POWER POLE	232+98/1061' LT	62.6	NO
㊶	POWER POLE	234+00/1048' LT	53.8	NO
㊷	POWER POLE	233+98/1067' LT	64.2	NO
㊸	POWER POLE	234+01/117' LT	63.9	NO
㊹	POWER POLE	235+27/1067' LT	62.2	NO
㊺	OFFICE	235+76/1169' LT	49.0	NO
㊻	POWER POLE	236+44/1069' LT	59.6	NO
㊼	POWER POLE	237+58/1070' LT	59.8	NO
㊽	LUMINAIRE	237+44/963' LT	54.9	NO

TERMINAL BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	OBSTRUCTION MARKING
㊾	LUMINAIRE	238+33/963' LT	53.8	NO
㊿	POWER POLE	238+85/1070' LT	54.6	NO
(51)	TRAILER	239+24/1030' LT	37.2	NO
(52)	BOROUGH BUILDING	248+38/1115' LT	76.2	NO
(53)	BOROUGH BUILDING	250+13/1121' LT	72.6	NO
(54)	BUILDING	251+25/1121' LT	61.3	UNKNOWN
(55)	FSS ANTENNA	215+48/995' LT	96.8	YES
(56)	POWER POLE	215+99/995' LT	62.6	NO
(57)	LIGHTED WIND CONE	255+14/427' LT	56.6	YES
(58)	LIGHTED WIND CONE AND SEG. CIRCLE	214+37/470' LT	61.2	YES

MAG DEC
15°43'48"E, 31.8'W/YR
2015
(NOAA/NCEI)

0 100 200 400 600 800
SCALE IN FEET

TERMINAL BUILDINGS/FACILITIES PART 77 PENETRATIONS

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.	SURFACE	SURFACE PENETRATIONS	DISPOSITION
(57)	LIGHTED WIND CONE	255+14/427' LT	56.6	PRIMARY	+17	TO REMAIN
(58)	LIGHTED WIND CONE	214+37/470' LT	61.2	PRIMARY	+15	TO REMAIN

NOTE:
1. TERMINAL BUILDINGS/FACILITIES UNLESS OTHERWISE NOTED ARE TO REMAIN

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DESIGN MMM
DRAWN RWW
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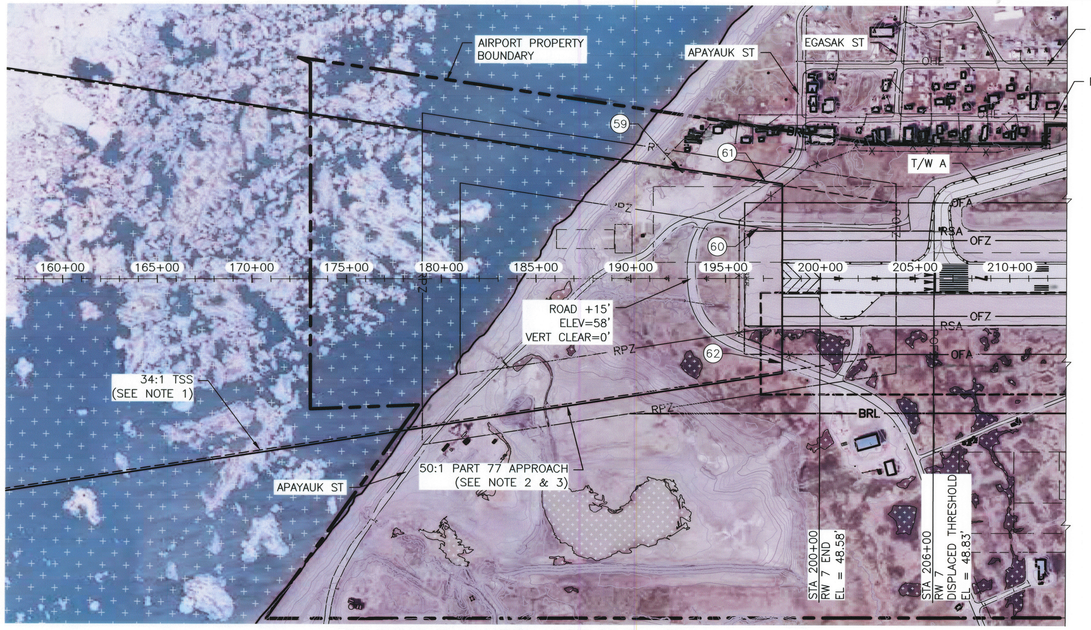
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION
APPROVED: _____ DATE 9/9/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
ULTIMATE
TERMINAL PLAN

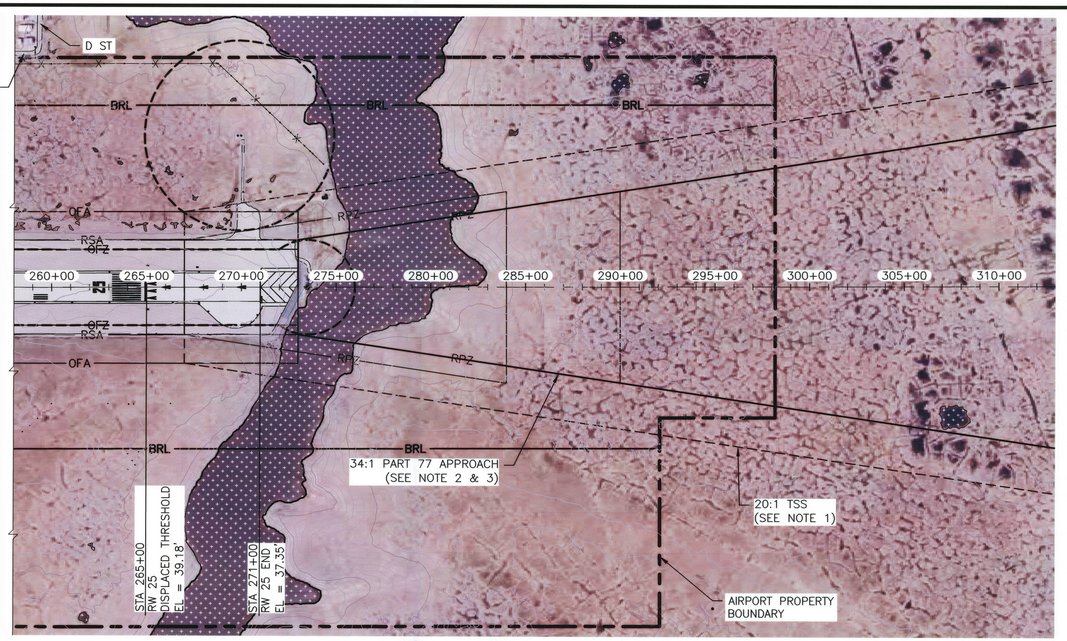
SHEET 7 OF 15



RUNWAY 7 INNER APPROACH PLAN

RUNWAY
150'x7100'
N 89°58'16" E

MAG DEC
15°43'48"E, 31.8'W/YR
2015
(NOAA/NCEI)



RUNWAY 25 INNER APPROACH PLAN

0 200 400 800 1200 1600
SCALE IN FEET

RUNWAY 7 INNER APPROACH PROFILE

GENERAL NOTES:

1. TSS DIMENSION = 800'x3800'x10000' (TYPE 7, TABLE 3-2, AC 150/5300-13A)
2. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
3. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
4. PART 77 ROAD OBSTRUCTION HEIGHTS ARE INCLUDED (10' FOR PRIVATE ROAD & 15' FOR PUBLIC ROAD)
5. NO OFZ OR THRESHOLD SITING SURFACE PENETRATIONS

PART 77 OBSTRUCTION TABLE (INNER PORTION R/W 7)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
59	POWER POLE	192+72/561' LT	66	59	PART 77	+7	TO REMAIN
60	POST	196+74/268' LT	60	51	PART 77	+9	REMOVE
61	ROAD +15'	197+10/513' LT	56	50	PART 77	+6	TO REMAIN
62	ROAD +15'	198+00/445' RT	59	49	PART 77	+10	TO REMAIN

RUNWAY 25 INNER APPROACH PROFILE

GENERAL NOTES:

1. TSS DIMENSION = 800'x3800'x10000' (TYPE 5, TABLE 3-2, AC 150/5300-13A)
2. PART 77 APPROACH SURFACE DIMENSION = 500'x3500'x10000'
3. PART 77 APPROACH SURFACE EXTENDS 10000' AT 34:1
4. NO OFZ OR THRESHOLD SITING SURFACE PENETRATIONS
5. NO PART 77 SURFACE PENETRATIONS WITHIN APPROACH. SEE AIRPORT LAYOUT AND TERMINAL PLANS.

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DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION

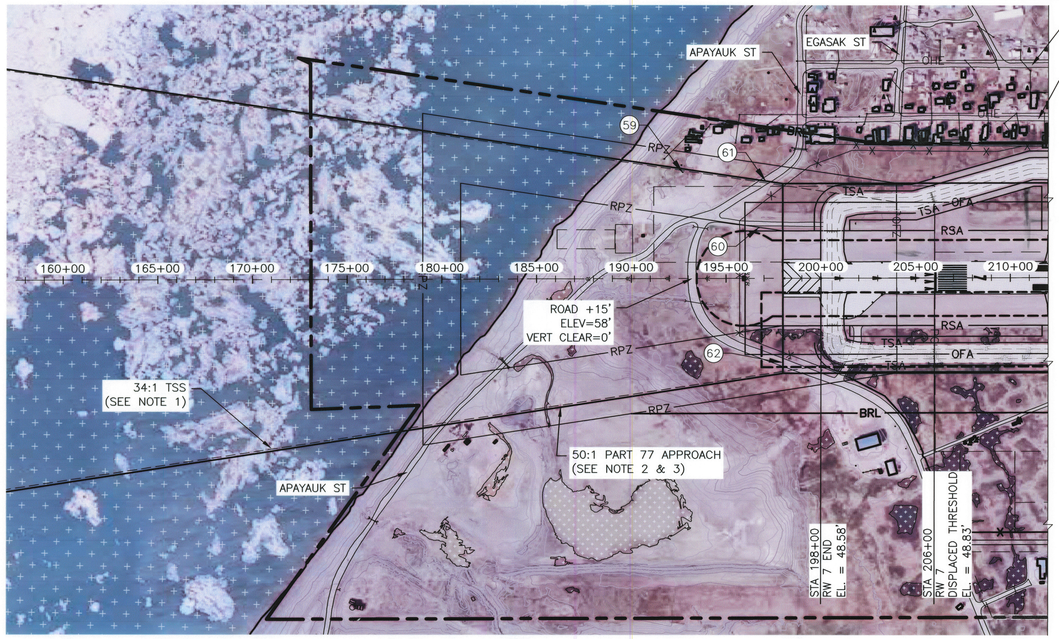
APPROVED: for
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/9/2016

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
EXISTING
INNER PORTION OF APPROACH SURFACE

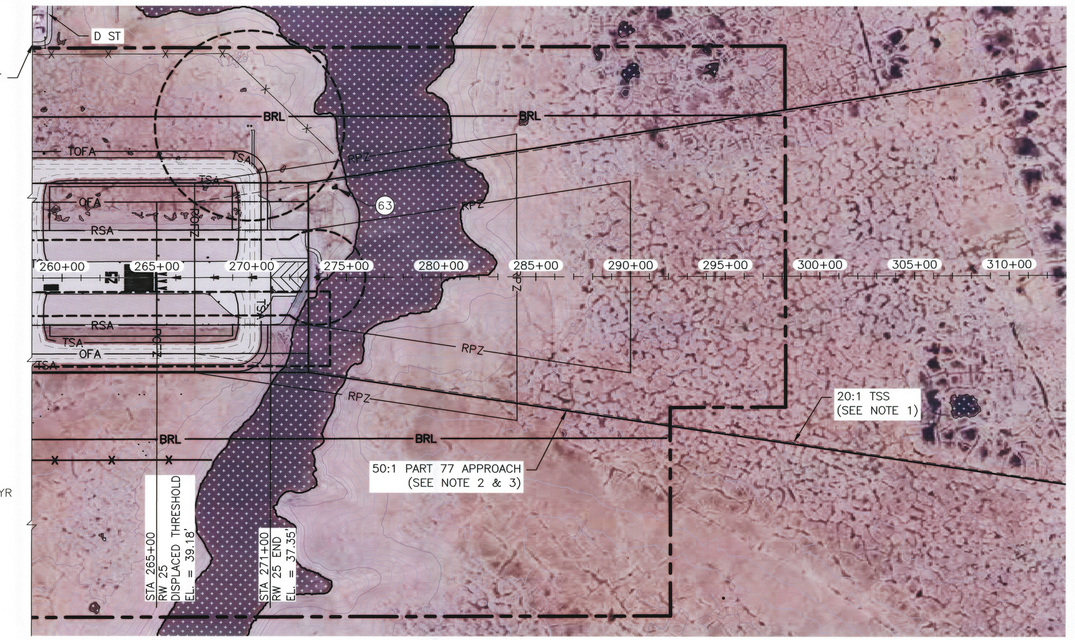
SHEET 8 OF 15



RUNWAY 7 INNER APPROACH PLAN

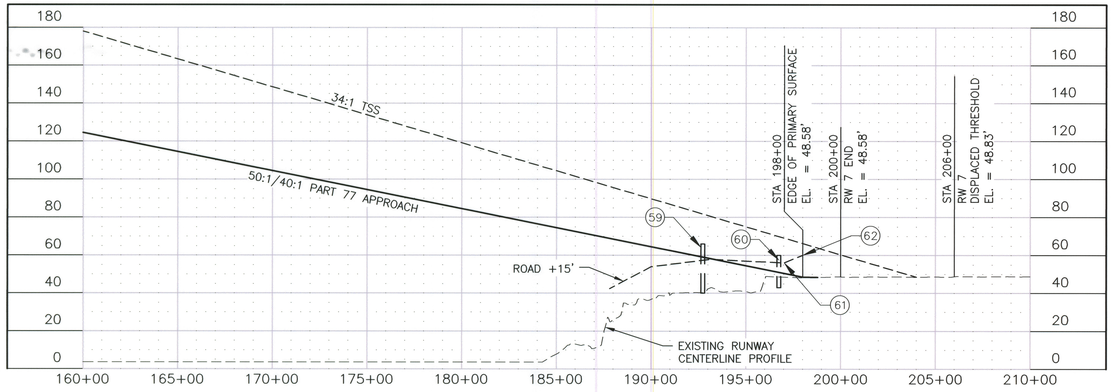
RUNWAY
150'x7100'
N 89°58'16" E

MAG DEC
15°43'48"E, 31.8W'/YR
2015
(NOAA/NCEI)

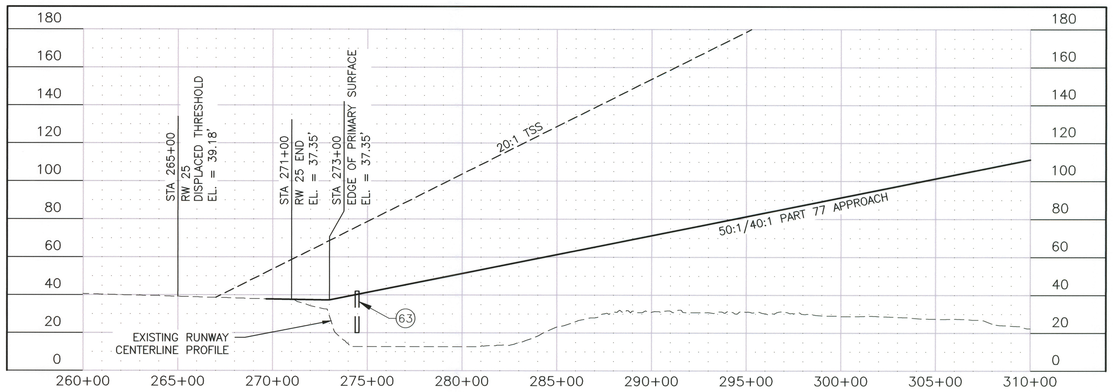


RUNWAY 25 INNER APPROACH PLAN

0 200 400 800 1200 1600
SCALE IN FEET



RUNWAY 7 INNER APPROACH PROFILE



RUNWAY 25 INNER APPROACH PROFILE

GENERAL NOTES:

1. TSS DIMENSION = 800'x3800'x10000' (TYPE 7, TABLE 3-2, AC 150/5300-13A)
2. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
3. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
4. PART 77 ROAD OBSTRUCTION HEIGHTS ARE INCLUDED (10' FOR PRIVATE ROAD & 15' FOR PUBLIC ROAD)
5. NO OFZ OR THRESHOLD SITING SURFACE PENETRATIONS.

PART 77 OBSTRUCTION TABLE (INNER PORTION R/W 7)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
59	POWER POLE	192+72/561' LT	66	59	PART 77	+7	TO REMAIN
60	POST	196+74/268' LT	60	51	PART 77	+9	REMOVE
61	ROAD +15'	197+10/513' LT	56	50	PART 77	+6	TO REMAIN
62	ROAD +15'	198+00/445' RT	59	49	PART 77	+10	TO REMAIN

GENERAL NOTES:

1. TSS DIMENSION = 800'x3800'x10000' (TYPE 6, TABLE 3-2, AC 150/5300-13A)
2. PART 77 APPROACH SURFACE DIMENSION = 1000'x16000'x50000'
3. PART 77 APPROACH SURFACE EXTENDS 10000' AT 50:1 THEN 40000' AT 40:1
4. PART 77 ROAD OBSTRUCTION HEIGHTS ARE INCLUDED (10' FOR PRIVATE ROAD & 15' FOR PUBLIC ROAD)
5. NO OFZ OR THRESHOLD SITING SURFACE PENETRATIONS

OBSTRUCTION TABLE (INNER PORTION R/W 25)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
63	DME ANTENNA	274+46/467'LT	42	40	PART 77	+2.0	TO REMAIN

DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION

APPROVED:
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/9/2016

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
ULTIMATE
INNER PORTION OF APPROACH SURFACE

SHEET 9 OF 15

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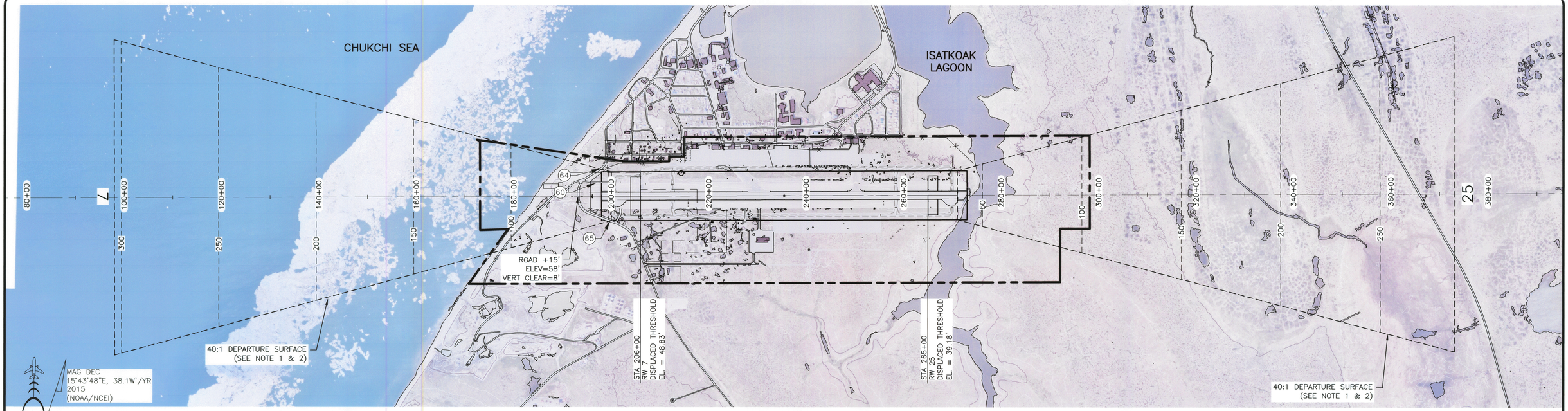
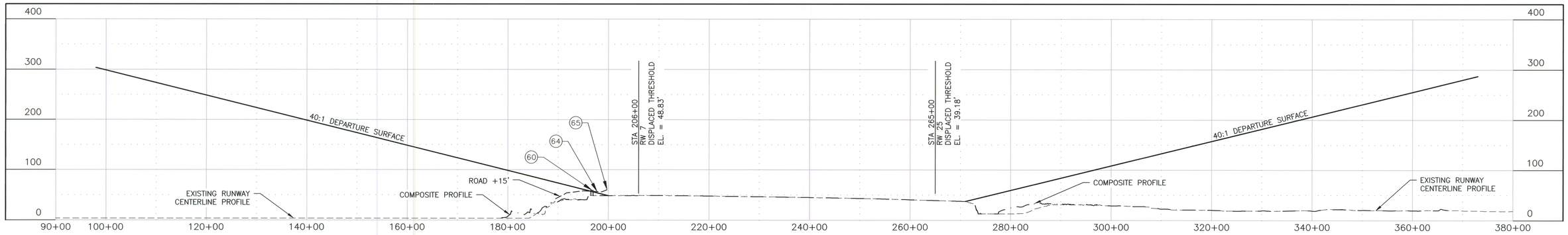


RUNWAY 7/25 DEPARTURE SURFACE PLAN



RUNWAY 7/25 DEPARTURE SURFACE PROFILE

GENERAL NOTES:

1. DEPARTURE SURFACE DIMENSION = 1000'x6466'x10200'
2. DEPARTURE SURFACE EXTENDS 10200' AT 40:1

OBSTRUCTION TABLE (DEPARTURE R/W 7)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
60	POST	196+74/268' LT	60	57	DEPARTURE	+3	REMOVE
64	ROAD +15'	197+78/560' LT	56	54	DEPARTURE	+2	TO REMAIN
65	ROAD +15'	199+73/508' RT	60	49	DEPARTURE	+11	TO REMAIN

GENERAL NOTES:

1. DEPARTURE SURFACE DIMENSION = 1000'x6466'x10200'
2. DEPARTURE SURFACE EXTENDS 10200' AT 40:1

OBSTRUCTION TABLE (DEPARTURE R/W 25)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
	NONE						

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DESIGN MMM
DRAWN RWW
CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION

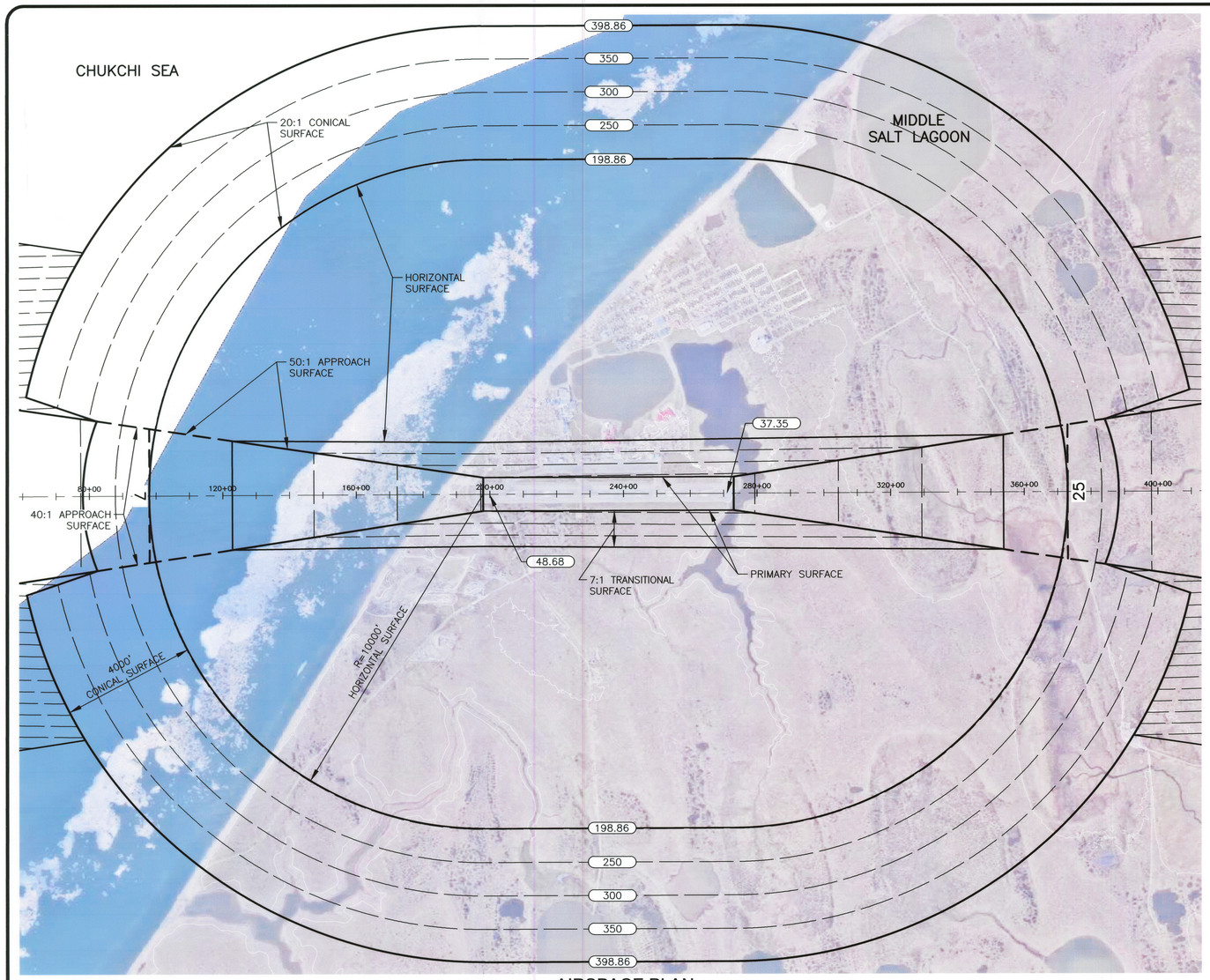
APPROVED: _____ DATE 9/9/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA

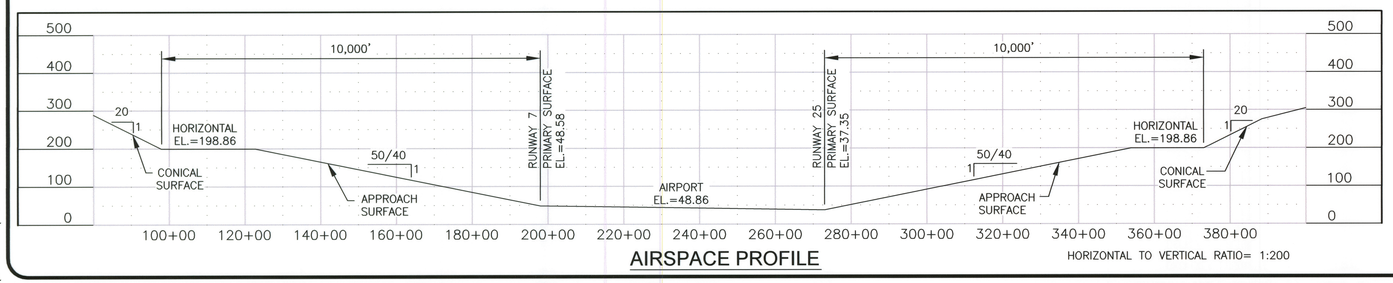
BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
EXISTING/ULTIMATE
DEPARTURE SURFACE

SHEET 10 OF 15



AIRSPACE PLAN

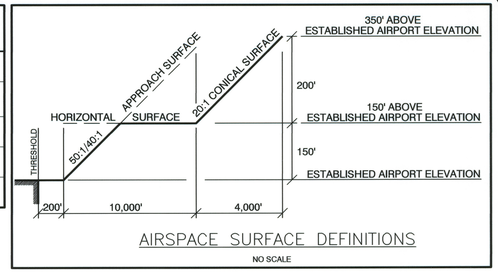


AIRSPACE PROFILE

HORIZONTAL TO VERTICAL RATIO= 1:200

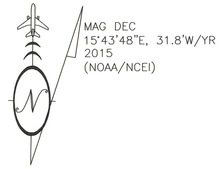
LEGEND

198.86	AIRSPACE ELEVATION (SURFACE DIVIDERS)
	AIRSPACE SURFACE DIVIDERS (NON CONTROLLING)
200	AIRSPACE ELEVATION (50' INCREMENTS)
10	EXISTING GROUND ELEVATIONS
	RUNWAY CENTERLINE (EXTENDED)



AIRSPACE SURFACE DEFINITIONS

NO SCALE



ULTIMATE RUNWAY FAR PART 77 DIMENSIONS OTHER THAN UTILITY, PA, <3/4 S.M.

DESCRIPTION	DIMENSION
ESTABLISHED AIRPORT ELEVATION	48.86'
RUNWAY THRESHOLD ELEVATION	RW7: 48.58' / RW25: 37.35'
PRIMARY SURFACE	1000' x 7500'
HORIZONTAL SURFACE ELEVATION	198.86'
HORIZONTAL SURFACE RADIUS	10000'
APPROACH SURFACE	1000' x 16000' x 50000'
APPROACH SURFACE SLOPE	50:1/40:1
CONICAL SURFACE WIDTH	4000' @ 20:1
TRANSITIONAL SURFACE SLOPE	7:1

NOTES:

1. SEE AIRPORT LAYOUT AND TERMINAL PLANS FOR CLOSE-IN PART 77 PENETRATIONS.
2. PART 77 APPROACH SURFACE EXTENDS AT 50:1 FOR INNER 10000' AND 40:1 FOR OUTER 40000'.
3. NO PART 77 AIRSPACE PENETRATIONS.
4. REFER TO INNER PORTION OF APPROACH SURFACE (SHEETS 6 AND 7) FOR CLOSE IN OBSTRUCTIONS ANALYZED WITH THE TSS AND PART 77 APPROACH SURFACES.
5. THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
6. REFER TO THE AIRPORT LAYOUT PLAN & TERMINAL PLAN (SHEETS 3, 4, 5 AND 6) FOR BUILDING LOCATIONS AND ELEVATIONS.
7. GROUND SURFACE INFORMATION WAS PROVIDED BY AN AERIAL MAPPING SUBCONTRACTOR. A CAREFUL COMPARISON WITH SURVEYED DATA WAS MADE TO ENSURE THAT ALL INFORMATION MEETS THE ACCURACY REQUIREMENTS ESTABLISHED IN AC 150/5300-18B. AERONAUTICAL SURVEY COMPLETED IN DECEMBER 2013.
8. AERIAL PHOTOGRAPHY WAS PROVIDED BY SURVEYOR.

U:\20470232\Dwgs\C\Sheets\1379900BRW_ALP11-ALP11

DESIGN MMM

DRAWN RWW

CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION-AVIATION

APPROVED: for DATE 9/9/2016

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

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT

BARROW, ALASKA

AIRPORT AIRSPACE
(FAR PART 77)

SHEET 11 OF 15

CHUKCHI SEA

20:1 CONICAL SURFACE

HORIZONTAL SURFACE

198.86

350

300

250

198.86

1750

1500

1250

1000

750

500

1200

1150

1100

1050

1000

950

900

850

−280+00

−240+00

−200+00

−160+00

−120+00

−80+00

−40+00

0+00

40+00

80+00

120+00

160+00

200+00

40:1 APPROACH SURFACE

800

750

700

650

600

550

500

450

400

350

50:1 APPROACH SURFACE

PRIMARY SURFACE

48.68

7:1 TRANSITIONAL SURFACE

R=10000' HORIZONTAL SURFACE

4000' CONICAL SURFACE

LEGEND

198.86	AIRSPACE ELEVATION (SURFACE DIVIDERS)
	AIRSPACE SURFACE DIVIDERS (NON CONTROLLING)
200	AIRSPACE ELEVATION (50' INCREMENTS)
10	EXISTING GROUND ELEVATIONS
	RUNWAY CENTERLINE (EXTENDED)

MAG DEC
15°43'48"E, 31.8'W/YR
2015
(NOAA/NCEI)

0 1000 2000 4000 6000 8000
SCALE IN FEET

AIRSPACE PLAN - RUNWAY 7

1300 1200 1100 1000 900 800 700 600 500 400 300 200 100 0

40:1 APPROACH SURFACE

50:1 APPROACH SURFACE

PRIMARY SURFACE

CONICAL SURFACE

COMPOSITE SURFACE

HORIZONTAL SURFACE

−300+00 −280+00 −260+00 −240+00 −220+00 −200+00 −180+00 −160+00 −140+00 −120+00 −100+00 −80+00 −60+00 −40+00 −20+00 0+00 20+00 40+00 60+00 80+00 100+00 120+00 140+00 160+00 180+00

AIRSPACE PROFILE - RUNWAY 7

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DESIGN MMM

DRAWN RWW

CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION

APPROVED: for

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

DATE 9/9/2016

BY	DATE	REVISIONS	FAA

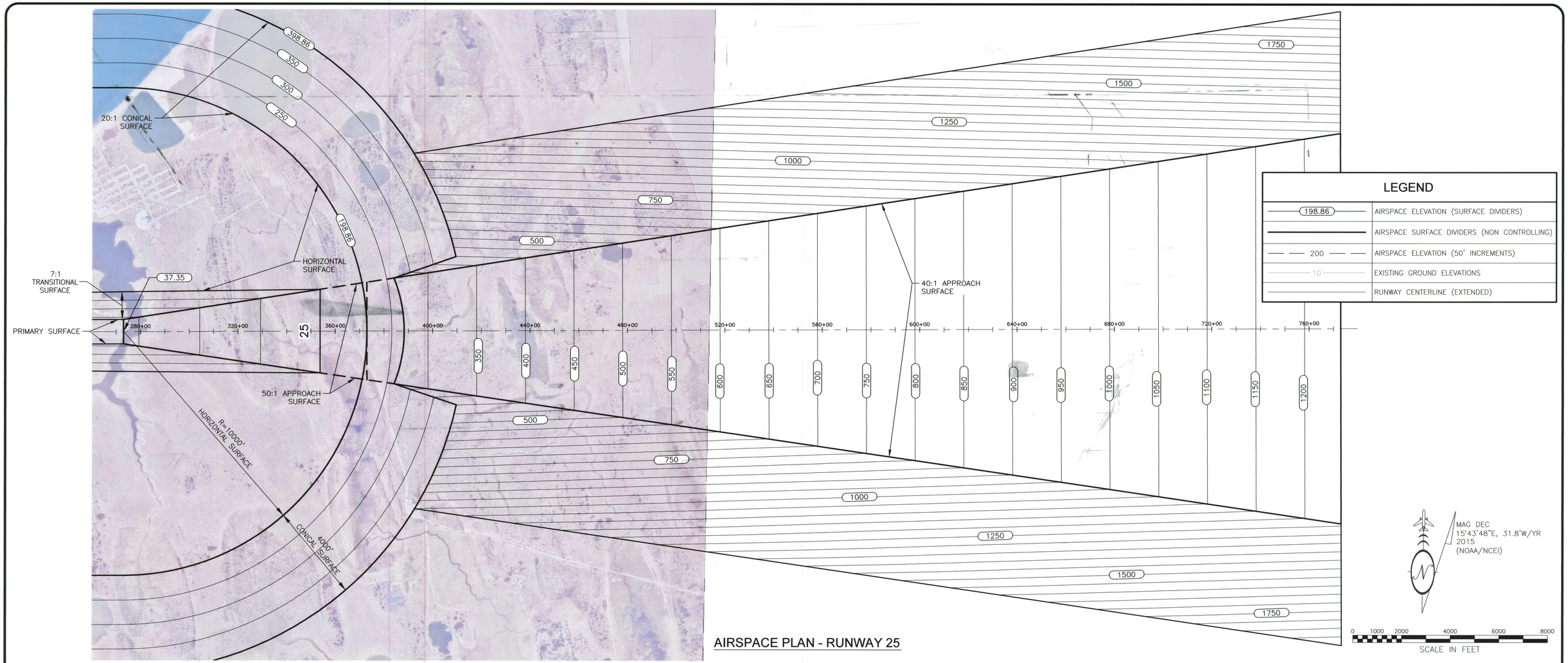
BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT

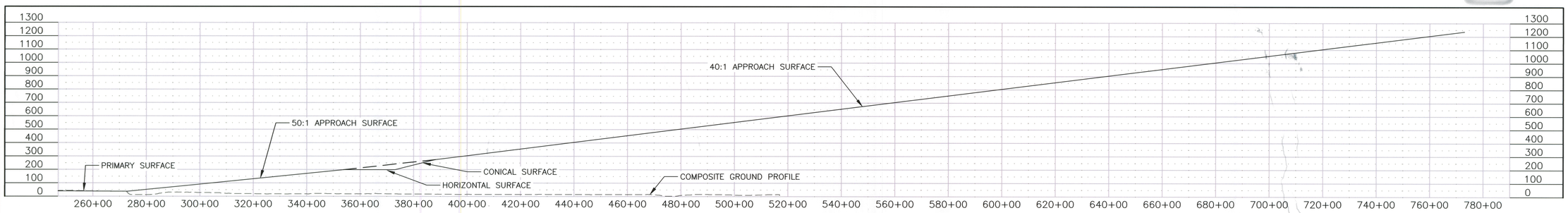
BARROW, ALASKA

RUNWAY 7 AIRSPACE
(FAR PART 77)

SHEET 12 OF 15



AIRSPACE PLAN - RUNWAY 25



AIRSPACE PROFILE - RUNWAY 25

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DESIGN MMM

DRAWN RWW

CHECKED JGL

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION–AVIATION

APPROVED: _____ DATE 9/9/2016
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA

BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT
BARROW, ALASKA
RUNWAY 25 AIRSPACE
(FAR PART 77)

SHEET 13 OF 15

CHUKCHI SEA

SCHOOL SITE

ISATKOAK LAGOON

DOWNTOWN

HISTORIC SITE

ASOS CRITICAL AREA

ASOS

WIND CONE AND SEGMENTED CIRCLE

WIND CONE

LEASE LOT (TYP.)

T/W A

T/W C

T/W D

T/W B

MALSR

PAPI

GLIDESLOPE ANTENNA

LOCALIZER ARRAY

LOCALIZER CRITICAL AREA

GLIDE SLOPE CRITICAL AREA

ROTATING BEACON

NDB

DF ANTENNA

AIRPORT BOUNDARY

ABANDONED ABOVE-GROUND GASLINE

VOR/DME CRITICAL AREA

VOR/DME

MAG DEC 15°43'48"E, 31.8'W/YR 2015 (NOAA/NCEI)

0 500 1000 1500 2000

SCALE IN FEET

LEGEND

ON-AIRPORT	NON-AERONAUTICAL*
	AVIGATION & HAZARD EASEMENT
	INTERIM NON-AERONAUTICAL*
	MIXED AERONAUTICAL & NON-AERONAUTICAL
	AERONAUTICAL
	SPECIAL LAND MANAGEMENT AGREEMENTS
OFF-AIRPORT	RESIDENTIAL
	MULTI-USE
	PROPOSED UIC DEVELOPMENT

*AS APPROVED BY FAA LETTER DATED NOVEMBER 30, 2015

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DESIGN MMM

DRAWN RWW

CHECKED JGL

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

NORTHERN REGION-AVIATION

APPROVED: _____ DATE 9/9/2016

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

BY	DATE	REVISIONS	FAA

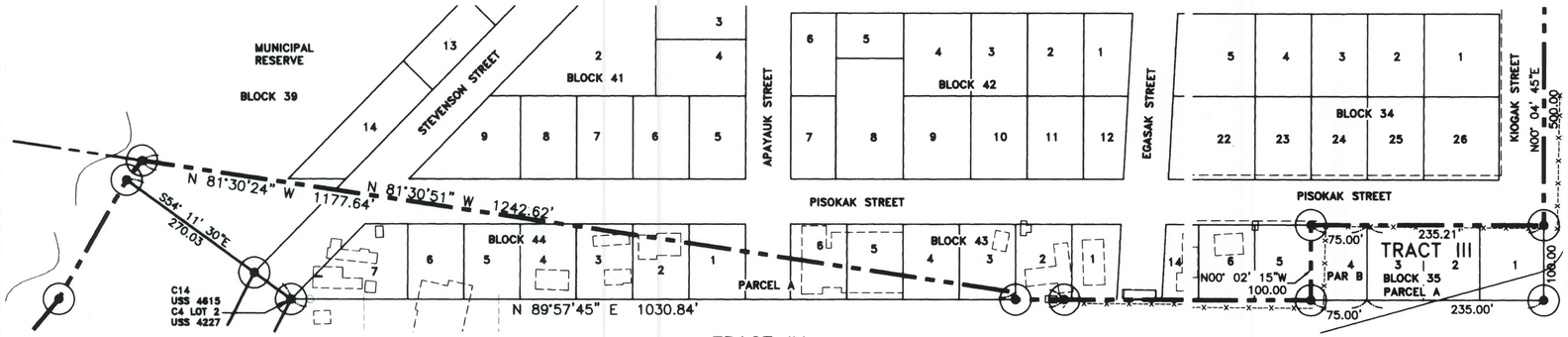
BY	DATE	REVISIONS	FAA

WILEY POST/WILL ROGERS MEMORIAL AIRPORT

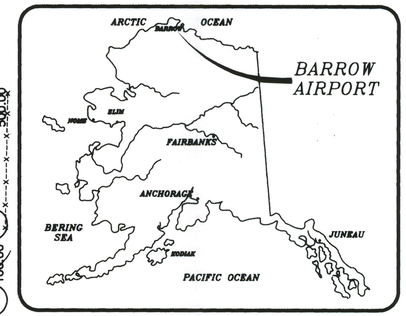
BARROW, ALASKA

LAND USE PLAN

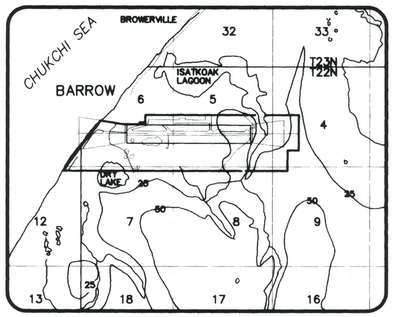
SHEET 14 OF 15



TRACT IV



LOCATION MAP

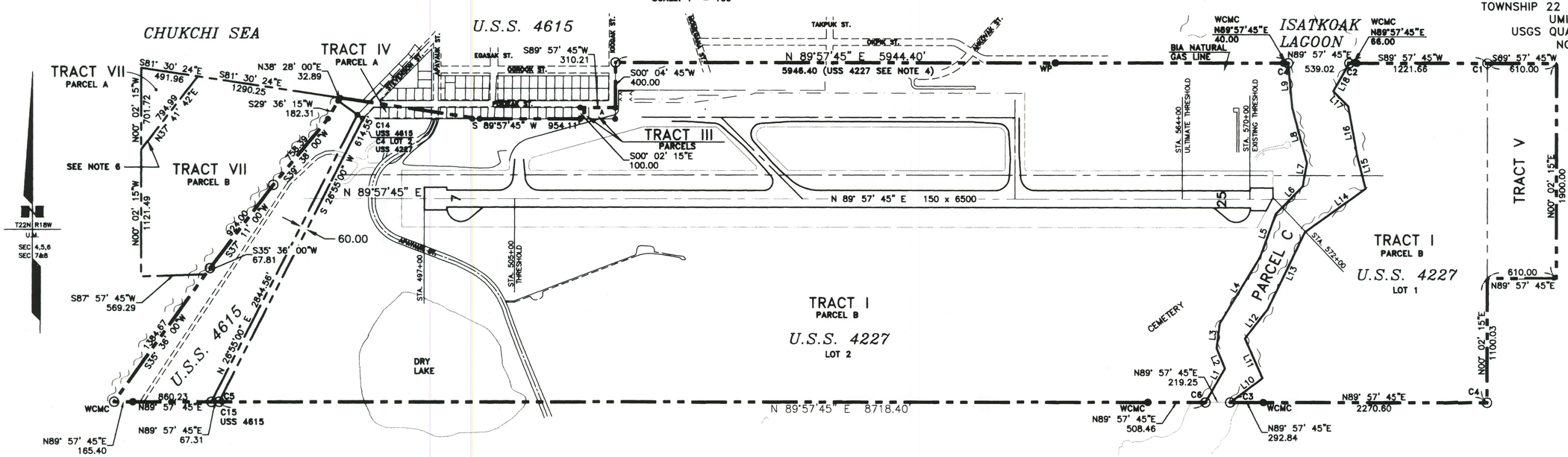


VICINITY MAP

PROTRACTED SECTIONS 4,5,6,7,8,&9
TOWNSHIP 22 NORTH RANGE 18 WEST
AND
PROTRACTED SECTION 12
TOWNSHIP 22 NORTH RANGE 17 WEST
UMIAT MERIDIAN
USGS QUAD: BARROW (B-4)
NO SCALE

DETAIL TRACTS III AND IV

SCALE: 1" = 100'



Line Table		
Line #	Direction	Length
L1	N29° 57' 00"E	345.84
L2	N22° 24' 00"W	194.04
L3	N07° 17' 00"E	220.44
L4	N31° 03' 00"E	693.00
L5	N19° 45' 00"E	397.98
L6	N44° 24' 00"E	341.88
L7	N10° 06' 00"E	209.22
L8	N15° 00' 00"W	506.88
L9	N05° 17' 00"W	396.33
L10	N53° 13' 00"E	356.40
L11	N23° 58' 00"W	385.10
L12	N37° 45' 00"E	329.34
L13	N25° 41' 00"E	757.68
L14	N54° 31' 00"E	656.70
L15	N14° 33' 00"W	285.78
L16	S10° 18' 00"E	460.02
L17	N44° 59' 00"W	187.44
L18	N29° 28' 00"E	286.21

LEGEND

- GREY, ROGERS, OSBORNE CL MONUMENT
- WCMC OR WP
- PROPERTY CORNER
- AIRPORT BOUNDARY

0 500 1000 1500 2000 2500
SCALE 1"=500'

NOTES

1. THIS DRAWING HAS BEEN COMPLIED FROM A TOPOGRAPHIC SURVEY OF AUGUST 1989 AND THE PROPERTY PLAN DATED 4/16/68 AND REVISED THROUGH 5/16/83.
2. THE AIRPORT BOUNDARIES ARE COMPLIED FROM ADA FIELD NOTES AND USS SURVEY 4227 AND 4615.
3. ALL BEARINGS REFER TO THE TRUE MERIDIAN.
4. A DISCREPANCY EXISTS ON THE DATA FURNISHED ON THE PLATS FOR THE USS 4615 AND USS 4227 INSOFAR AS THE COMMON BOUNDARY IS CONCERNED.
5. APPROXIMATE "DIRECTORS LINE" FROM ALASKA TIDELANDS SURVEY 283 SURVEYED IN 1965 AND FILED IN THE BARROW RECORDING DISTRICT SEPTEMBER 4, 1980 AS INSTRUMENT NO. 80-11.

PROPERTY STATUS

TR	PCL	AREA (acr)	GRANTOR	INTEREST	CONVEYANCE DOC.	ACQD DATE	FAA GRANT #	RD INFO
I	A	33.83	BLM	Fee Simple	Trustee Deed	3/28/1967	FAAP 01	Noatak-Kobuk 43/85
I	B	668.42	BLM	Fee Simple	Patent	9/26/1967	FAAP 01	Noatak-Kobuk 45/36
I	C	26.87	SOA-DNR	Perpetual Mgmt. Authority	ILMT	11/16/1967	FAAP 01	Noatak-Kobuk 43/439
III	A	0.54	M.O. Ehrødt	Fee Simple	Stat Warranty Deed	7/3/1967	FAAP 02	Noatak-Kobuk 43/358
III	B	0.17	Barrow Utilities	Fee Simple	Stat Warranty Deed	7/13/1967	FAAP 02	Noatak-Kobuk 43/387
IV	A	2.285	Townsite Trustee	Perpetual Easement	Avigation Easement	11/3/1967	FAAP 02	Noatak-Kobuk 43/426
V		26.61	Upeakvik Inputiat Village Corp.	Perpetual Easement & ROW	PAHE & ROW	6/3/1977		Barrow 23/8
VI				Void				
VII	A	3.92	DNR	Future Acquisition				
VII	B	43.28	City of Barrow	Future Acquisition				

DESIGN____
DRAWN____
CHECK____

BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION PRECONSTRUCTION
APPROVED
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF
DATE 9/18/15

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION PRECONSTRUCTION
APPROVED
MARTIN D. SHURR CHIEF, RIGHT OF WAY
DATE 9-21-2015

WILEY POST/WILL ROGERS MEMORIAL AIRPORT

BARROW, ALASKA

PROPERTY PLAN

1" = 500'

SHEET 15 OF 15

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