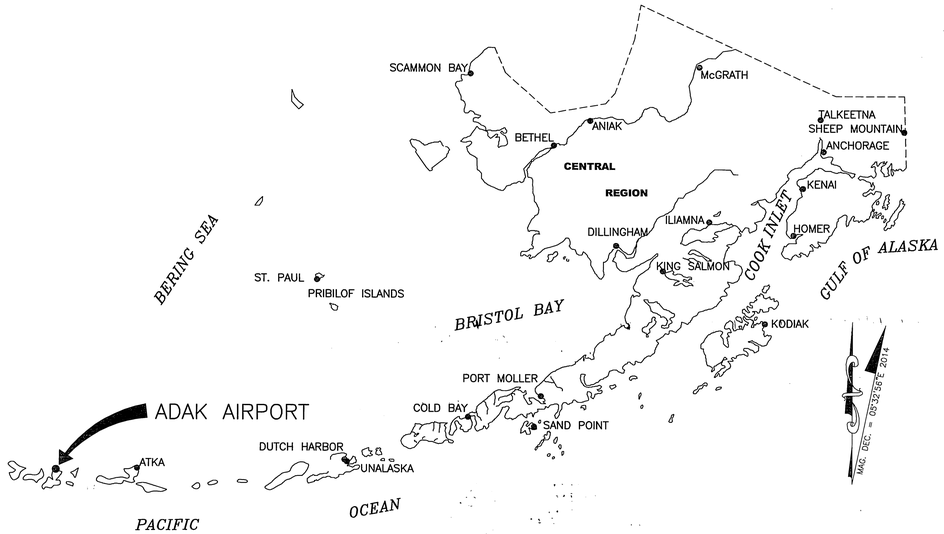
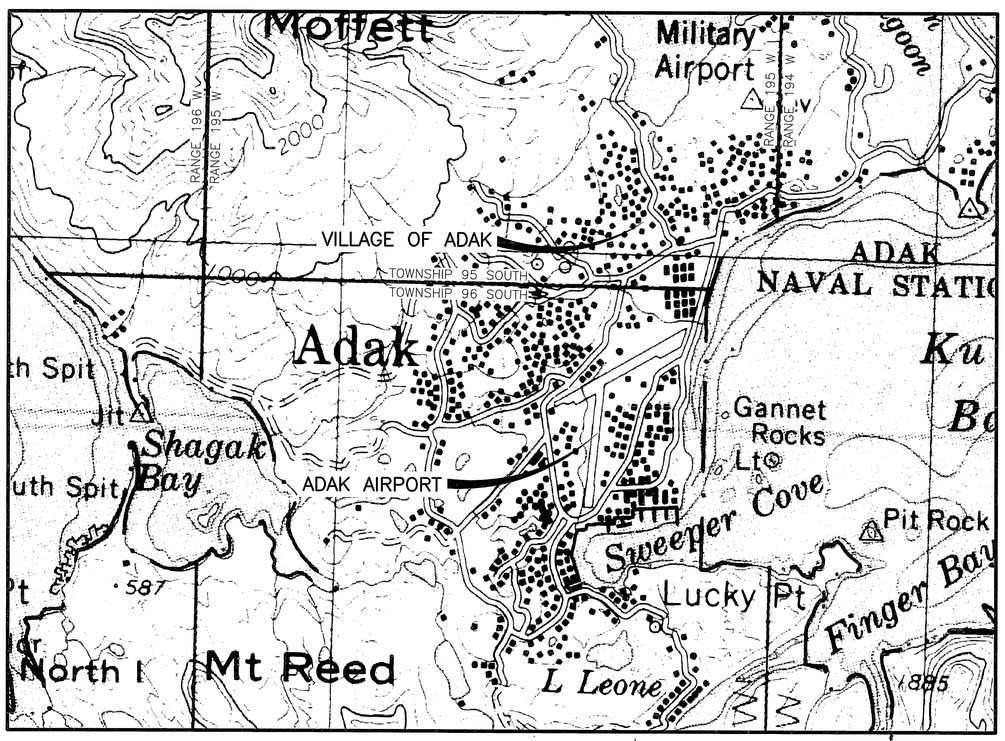
ADAK AIRPORT
AIRPORT LAYOUT PLAN

ADAK, ALASKA



ALASKA CENTRAL REGION LOCATION MAP



VICINITY MAP

1 SM .5 SM 0 1 SM 2 SM

T 96 S, R 195 W, SEC. 2,3,10,11,14 & 15
SEWARD MERIDIAN
U.S.G.S. TRINITY ISLANDS (D-1) 1957, ALASKA

MAG. DEC. = 05°32'56" E 2014

LEGEND

ITEM	EXISTING	ULTIMATE
AIRPORT REFERENCE POINT (A.R.P.)		
ANTENNA		
APPROACH	AP	AP
APPROACH SITING	AS	AS
AWOS		
BLUFF		
BUILDINGS		
BUILDING RESTRICTION LINE	BRL	BRL
CLOSED RUNWAY/TAXIWAY MARKER		
DEPARTURE SITING	DS	DS
ELECTRIC GATE		
FENCE	X X X	X X X
GLIDESLOPE QUALIFICATION	GS	GS
LIGHT POLE		
NAVAID CRITICAL AREA	NCA	NCA
NON-DIRECTIONAL BEACON		
OMNI-DIRECTIONAL APPROACH LIGHTING SYSTEM (ODALS)		
PAPI		
PAPI SITING SURFACE	PSS	PSS
PROPERTY LINE		
REIL		
REIL SITING SURFACE	RSS	RSS
ROADWAYS		
ROTATING BEACON		
RUNWAY OBSTACLE FREE AREA	OFA	OFA
RUNWAY OBSTACLE FREE ZONE	OFZ	OFZ
RUNWAY PROTECTION ZONE	RPZ	RPZ
RUNWAY PROTECTION ZONE – APPROACH	ARPZ	ARPZ
RUNWAY PROTECTION ZONE – DEPARTURE	DRPZ	DRPZ
RUNWAY SAFETY AREA	RSA	RSA
SEGMENTED CIRCLE		
SHORELINE		
SURVEY MONUMENT		
THRESHOLD MARKERS/LIGHTS		
TOPOGRAPHIC CONTOURS	100	100
TREE (LARGE SINGLE)		
TREELINE		
UTILITY POLE		
VASI		
VISUAL ZONE	VIZ	VIZ
WATER BODY		
WIND CONE		

DRAWING INDEX

SHT#	TITLE
1	AIRPORT DATA
2	AIRPORT DATA
3	AIRPORT DATA
~~4~~	~~EXISTING LAYOUT~~
4	EXISTING LAYOUT
5	ULTIMATE LAYOUT
~~6~~	~~EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5~~
6	EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5
~~7~~	~~EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23~~
7	EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23
~~8~~	~~EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 18~~
~~9~~	~~EXISTING INNER PORTION OF THE APPROACH SURFACE – RUNWAY 36~~
~~10~~	~~EXISTING RUNWAY CENTERLINE PROFILES~~
8	EXISTING RUNWAY CENTERLINE PROFILE
9	ULTIMATE INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5
10	ULTIMATE INNER PORTION OF THE APPROACH SURFACE – RUNWAY 23
11	ULTIMATE RUNWAY CENTERLINE PROFILES
12	EXISTING DEPARTURE & APPROACH SITING SURFACES – RUNWAY 5
13	EXISTING DEPARTURE & APPROACH SITING SURFACES – RUNWAY 23
14	EXISTING DEPARTURE, APPROACH SITING & OFZ – DATA TABLES
15	ULTIMATE DEPARTURE & APPROACH SITING SURFACES – RUNWAY 5
16	ULTIMATE DEPARTURE & APPROACH SITING SURFACES – RUNWAY 23
17	ULTIMATE DEPARTURE, APPROACH SITING & OFZ – DATA TABLES
18	SIGNIFICANT OBJECTS & BUILDING TABLES
19	TERMINAL AREA
20	AIRPORT AIRSPACE, 14 CFR, PART 77
21	AIRPORT AIRSPACE, 14 CFR, PART 77 RUNWAY 23 APPROACH
22	AIRPORT AIRSPACE, 14 CFR, PART 77 DATA TABLES
23	AIRPORT AIRSPACE, 14 CFR, PART 77 DATA TABLES
24	PROPERTY MAP

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

APPROVED: DATE:

KENNETH M. MORTON, P.E. PRECONSTRUCTION ENGINEER
RECOMMENDED: DATE: 8/14/15

WOLFGANG E. JUNGE, P.E. DESIGN SECTION CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED 8/24/2015
FAA AIRSPACE REVIEW NUMBER: 2015-AAL-124-NRA

AS-BUILT 5-24-17 DATE: 8/24/15

FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-612

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT DATA

DATE: AUGUST 2015

SHEET: 1 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 8/06/2015, 9:41 AM
Layout Name: DATA
File Name: W:\Projects\Adak\1-General - non-Project\ALP 2015\Final Drawings\ALP-ADK-DATA.dwg

RUNWAY / DATA RUNWAY 5/23

ITEM	~~EXISTING~~	EXISTING	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	OTU	OTU	OTU
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	V / NPI	V / NPI	V / NPI
FAR PART 77 VISIBILITY MINIMUM	>1 SM / >3/4 SM	>1 SM / >3/4 SM	>1 SM / >3/4 SM
FAR PART 77 APPROACH SURFACES SLOPE	20:1 / 34:1	20:1 / 34:1	20:1 / 34:1
APPROACH TYPE (VIS, NPA, APV(NP), APV(P), PREC	VIS / NPA	VIS / NPA	VIS / NPA
THRESHOLD SITING SURFACE SLOPE	20:1 / 20:1	20:1 / 20:1	20:1 / 20:1
RUNWAY DESIGN CODE	CIII VIS / CIII 4000	CIII VIS / CIII 4000	CIII VIS / CIII 4000
APPROACH RUNWAY REFERENCE CODE (APRC)	CIII VIS / CIII 4000	CIII VIS / CIII 4000	CIII VIS / CIII 4000
DEPARTURE RUNWAY REFERENCE CODE (DPRC)	CIII / CIII	CIII / CIII	CIII / CIII
RUNWAY SURFACE	ASPHALT	ASPHALT	ASPHALT
SURFACE TREATMENT	GROOVED / GROOVED	GROOVED / GROOVED	GROOVED / GROOVED
AIRPLANE GEAR CONFIG/PAVE STRENGTH	S80,D145,2T325,C5770	49/R/B/X/T	49/R/B/X/T
PAVEMENT STRENGTH BY PCN	UNKNOWN	UNKNOWN	UNKNOWN
DESIGN AIRCRAFT (>60,000 lbs)	B737-400 COMBI	B737-400 COMBI	B737-400 COMBI
MAXIMUM ELEVATION	19.5	19.5	19.5
TOUCHDOWN ZONE ELEVATION NAVD88	19.5 / 16.9	17.4 / 16.9	17.4 / 16.9
EFFECTIVE GRADE	0.1%	0.1%	0.1%
MEAN GEODETIC BEARING	N60.57°E	N60.57°E	N60.57°E
RUNWAY DIMENSIONS SEE NOTE #2	7790x200	7790x200	7788x200
RUNWAY SAFETY AREA (RSA)	7790x400	7790x400	7788x400
RSA LENGTH BEYOND DEPARTURE END RW5	0	1000	1000
RW23	0	1000	1000
RSA LENGTH PRIOR TO THRESHOLD RW5	0	600	600
RW23	0	0	0
RUNWAY OBJECT FREE AREA (OFA)	7790x650	7790x650	7788x650
ROFA LENGTH BEYOND DEPARTURE END RW5	0	1000	1000
RW23	0	1000	1000
ROFA LENGTH PRIOR TO THRESHOLD RW5	0	600	600
RW23	0	0	0
RUNWAY OBSTACLE FREE ZONE (OFZ) SEE NOTE#1	9590x400	9690x400	9690x400
PRECISION OBSTACLE FREE ZONE (POFZ)	N/A / N/A	N/A / N/A	N/A / N/A
RUNWAY PROTECTION ZONE (RPZ) APPROACH RW5	1700x500x1010	1700x500x1010	1700x500x1010
RW23	1700x1000x1510	1700x1000x1510	1700x1000x1510
RUNWAY PROTECTION ZONE (RPZ) DEPARTURE RW5	1700x500x1010	1700x500x1010	1700x500x1010
RW23	1700x500x1010	1700x500x1010	1700x500x1010
RUNWAY LIGHTING	HIRL	HIRL	HIRL
RUNWAY MARKING TYPE	VISUAL/PRECISION	VISUAL/PRECISION	VISUAL/PRECISION
RUNWAY NAVIGATIONAL AIDS	NONE/REILS,PAPI,SALSF	NONE/REILS,PAPI,	REILS/REILS,PAPI,
	ILS,NDB/DME	ILS,NDB/DME	ILS,NDB/DME
AERONAUTICAL SURVEY TYPE REQUIRED	NON-VERTICALLY GUIDED	NON-VERTICALLY GUIDED	NON-VERTICALLY GUIDED
DEPARTURE SURFACE	YES /YES	YES/ YES	YES / YES

NOTE:
1. OFZ INCLUDES SALSF REQUIREMENT
2. DECLARED DISTANCES IMPLEMENTED ON THIS RUNWAY

RUNWAY / DATA RUNWAY 18/36

ITEM	EXISTING	NEAR-TERM	ULTIMATE
RUNWAY TYPE UTILITY OR OTHER THAN UTILITY	OTU		
FAR PART 77 APPROACH CATEGORY (V, NPI, P)	V / V		
FAR PART 77 VISIBILITY MINIMUM	>1 SM / >1 SM		
FAR PART 77 APPROACH SURFACES SLOPE	20:1 / 20:1		
APPROACH TYPE (VIS, NPA, APV(NP), APV(P), PREC	VIS / VIS		
THRESHOLD SITING SURFACE SLOPE	20:1 / 20:1		
RUNWAY DESIGN CODE	BIII VIS / BIII VIS		
APPROACH RUNWAY REFERENCE CODE (APRC)	BIII VIS / BIII VIS		
DEPARTURE RUNWAY REFERENCE CODE (DPRC)	BIII / BIII		
RUNWAY SURFACE	ASPHALT		
SURFACE TREATMENT	GROOVED / GROOVED		
AIRPLANE GEAR CONFIG/PAVE STRENGTH (x1000lbs)	S80,D145,2T325,C5770		
PAVEMENT STRENGTH BY PCN	UNKNOWN		
DESIGN AIRCRAFT (>60,000 lbs)	N/A		
MAXIMUM ELEVATION	11.4		
TOUCHDOWN ZONE ELEVATION	11.4 / 6.1		
EFFECTIVE GRADE	0.1%		
MEAN GEODETIC BEARING	S5.40°W		
RUNWAY DIMENSIONS	7605x200		
RUNWAY SAFETY AREA (RSA)	7605x300		
RSA LENGTH BEYOND DEPARTURE END RW18	0		
RW36	0		
RSA LENGTH PRIOR TO THRESHOLD RW18	0		
RW36	0		
RUNWAY OBJECT FREE AREA (OFA)	7605x675		
ROFA LENGTH BEYOND DEPARTURE END RW18	0		
RW36	0		
ROFA LENGTH PRIOR TO THRESHOLD RW18	0		
RW36	0		
RUNWAY OBSTACLE FREE ZONE (OFZ)	8005x400		
PRECISION OBSTACLE FREE ZONE (POFZ)	N/A / N/A		
RUNWAY PROTECTION ZONE (RPZ) APPROACH RW18	1000x500x700		
RW36	1000x500x700		
RUNWAY PROTECTION ZONE (RPZ) DEPARTURE RW18	1000x500x700		
RW36	1000x500x700		
RUNWAY LIGHTING	HIRL		
RUNWAY MARKING TYPE	VISUAL/VISUAL		
RUNWAY NAVIGATIONAL AIDS	NONE/NONE		
AERONAUTICAL SURVEY TYPE REQUIRED	NON-VERTICALLY GUIDED		
DEPARTURE SURFACE	NO / NO		

NOTE:
1. OFZ INCLUDES SALSF REQUIREMENT

GEOGRAPHIC COORDINATES

ITEM	~~EXISTING~~	EXISTING	ULTIMATE
ARP			
LATITUDE	N51°52'40.89"	N51°53'00.89"	N51°53'00.89"
LONGITUDE	W176°38'45.31"	W176°38'32.95"	W176°38'32.95"
STATION/OFFSET	23+91.60/1385.45R	40+64.03	40+64.03
THRESHOLD RW 5			
LATITUDE	N51°52'42.02"	N51°52'42.02"	N51°52'42.02"
LONGITUDE	W176°39'26.99"	W176°39'26.99"	W176°39'26.99"
STATION	1+70.01	1+70.01	1+70.01
ELEVATION	19.5	19.5	19.5
DISPLACED THRESHOLD RW 5			
LATITUDE	N/A	N51°52'44.93"	N51°52'44.93"
LONGITUDE	N/A	w176°39'18.66"	w176°39'18.66"
STATION	N/A	7+70.01	7+70.01
ELEVATION	N/A	17.4	17.4
THRESHOLD RW 23			
LATITUDE	N51°53'19.77"	N51°53'19.77"	N51°53'19.76"
LONGITUDE	W176°37'38.87"	W176°37'38.87"	W176°37'38.89"
STATION	79+59.87	79+59.87	79+58.05
ELEVATION	16.9	16.9	16.9
THRESHOLD RW 18		CLOSED	CLOSED
LATITUDE	N51°52'57.74"		
LONGITUDE	W176°38'52.31"		
STATION	76+11.28		
ELEVATION	8.8		
THRESHOLD RW 36		CLOSED	CLOSED
LATITUDE	N51°51'43.07"		
LONGITUDE	W176°39'03.70"		
STATION	0+05.99		
ELEVATION	6.1		

TAXIWAY "A" DATA

ITEM	EXISTING	NEAR-TERM	ULTIMATE
AIRPLANE DESIGN GROUP	IV	III	III
TAXIWAY DESIGN GROUP	UNKNOWN	3	3
TAXIWAY SURFACE	ASPHALT	ASPHALT	ASPHALT
LENGTH x WIDTH	5600 x 75	5600 x 75	5600 x 50
SHOULDER WIDTH	10	10	20
SAFETY AREA (TSA) WIDTH	171	118	118
EDGE SAFETY MARGIN (TESM)	10	10	10
OBJECT FREE AREA (TOFA) WIDTH	259	186	186
TAXIWAY LIGHTING	MITL	MITL	MITL
TAXIWAY MARKING	YES	YES	YES

TAXIWAY "B" DATA

ITEM	EXISTING	NEAR-TERM	ULTIMATE
AIRPLANE DESIGN GROUP	IV	III	III
TAXIWAY DESIGN GROUP	UNKNOWN	3	3
TAXIWAY SURFACE	ASPHALT	ASPHALT	ASPHALT
LENGTH x WIDTH	495 x 75	495 x 50	495 x 50
SHOULDER WIDTH	10	20	20
SAFETY AREA (TSA) WIDTH	171	118	118
EDGE SAFETY MARGIN (TESM)	10	10	10
OBJECT FREE AREA (TOFA) WIDTH	259	186	186
TAXIWAY LIGHTING	MITL	MITL	MITL
TAXIWAY MARKING	YES	YES	YES

NOTE:
1. ALL LATITUDE/LONGITUDE COORDINATES ARE NAD83.
2. ALL ELEVATIONS ARE NAVD88.
3. MAPPING BASED ON AERONAUTICAL SURVEY 2012
4. RW 5/23 MEETS LINE OF SIGHT REQUIREMENTS

AIRPORT DATA

ITEM	EXISTING	NEAR-TERM	ULTIMATE
ICAO IDENTIFIER	ADK	ADK	ADK
NATIONAL AIRPORT IDENTIFIER	PADK	PADK	PADK
FAA SITE NUMBER	50009,*9	50009,*9	50009,*9
AIRPORT ELEVATION NAVD88	18	20	20
AIRPORT REFERENCE CODE	C-III	C-III	C-III
MEAN MAX. TEMPERATURE, HOTTEST MONTH	52°F AUGUST	52°F AUGUST	52°F AUGUST
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	5°09'E, 2015, 9'W	5°09'E, 2015, 9'W	5°09'E, 2015, 9'W
CRITICAL AIRCRAFT OR AIRCRAFT GROUP	B737-400 COMBI	B737-400 COMBI	B737-400 COMBI
AIRPORT AND TERMINAL NAVIGATION AIDS	ROTATING BEACON, SEG CIRCLE, WIND CONE, TACAN, AWOS, NDB, DME	ROTATING BEACON, SEG CIRCLE, WIND CONE, TACAN, AWOS, NDB, DME	ROTATING BEACON, SEG CIRCLE, WIND CONE, TACAN, AWOS, NDB, DME
NPIAS SERVICE LEVEL	GENERAL AVIATION BASIC	GENERAL AVIATION BASIC	GENERAL AVIATION BASIC
STATE EQUIVALENT SERVICE ROLE	COMMUNITY	COMMUNITY	COMMUNITY

MODIFICATIONS TO STANDARDS

ASN	DESCRIPTION	FAA STANDARDS	EXISTING CONDITION	PROPOSED ACTION	DATE APPROVED
2013-AAL-336-NRA	THRESHOLD LIGHTS LOCATION	2' FROM THRESHOLD	0.5' FROM THRESHOLD	ULTIMATE RELOCATE	06/25/2013

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT DATA

DATE: AUGUST 2015

SHEET: 2 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 4/03/2017, 4:27 PM
Layout Name: 24x36
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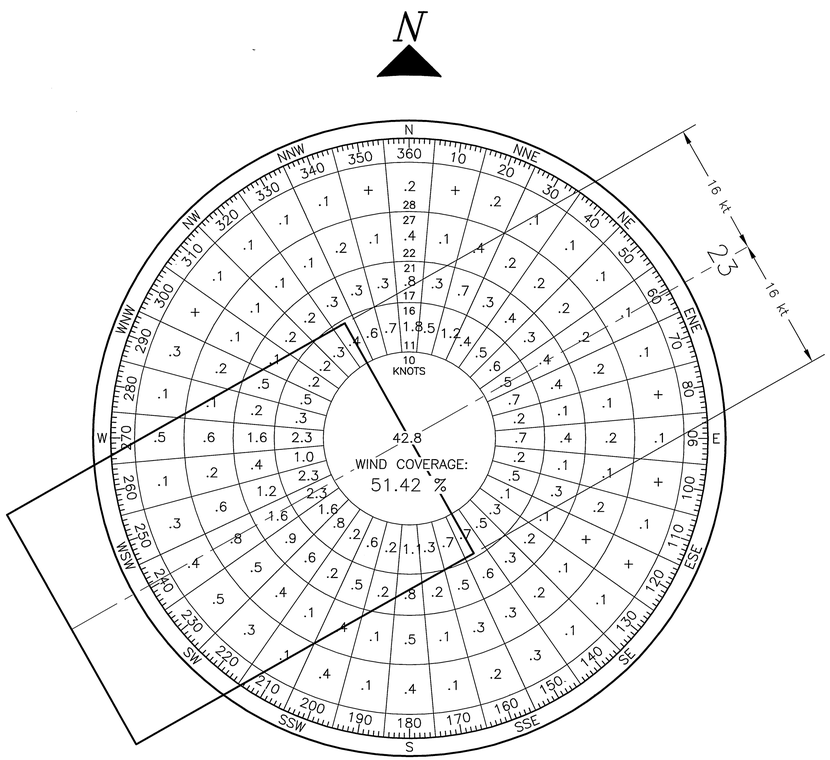
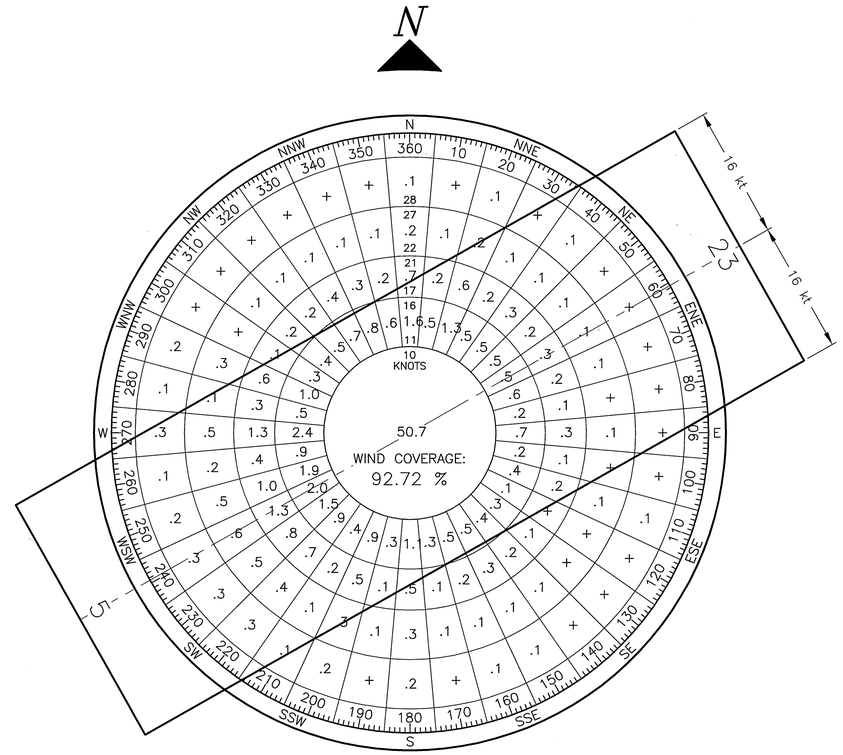




IFR WIND DATA				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
RW 23	60.58%	62.06%	63.61%	–

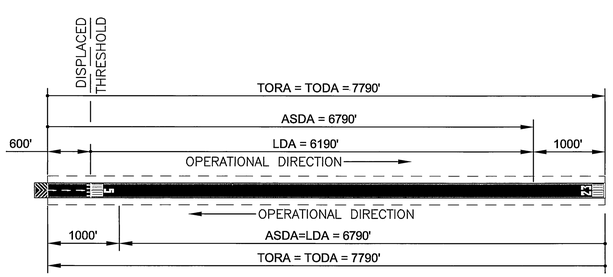
SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER DECEMBER 26, 2013

PERIOD: 2004 – 2013

ALL WEATHER WIND DATA				
RUNWAY	10.5 kt	13 kt	16 kt	20 kt
RW 5–23	76.37%	84.51%	92.00%	–

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER DECEMBER 10, 2013

PERIOD: 2004 – 2013



RUNWAY 5/23 DECLARED DISTANCES

DECLARED DISTANCES								
RUNWAY END ID	TORA	TODA	ASDA	LDA	APPROACH END RSA LENGTH	STOP END RSA LENGTH	RSA LENGTH	DATE OF APPROVAL
RW 5	7790	7790	6790	6190	600	1000	7790	
RW 23	7790	7790	6790	6790	0	1000	7790	

NOTES:

1. APPROACH RSA LENGTH OF 0' AT RW 23 END AND RSA WIDTH OF 400' ARE NON–STANDARD.
2. THE ASN# FOR THE APPROVED RSA PRACTABILITY STUDY WHICH INCLUDED THE DECLARED DISTANCES IS ASN# 2015–AAL–124–NRA

BY	DATE	REVISION
	4/4/2017	AS–BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT DATA

DATE: AUGUST 2015

SHEET: 3 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/03/2017 - 4:27 PM
Layout Name: 3-DATA
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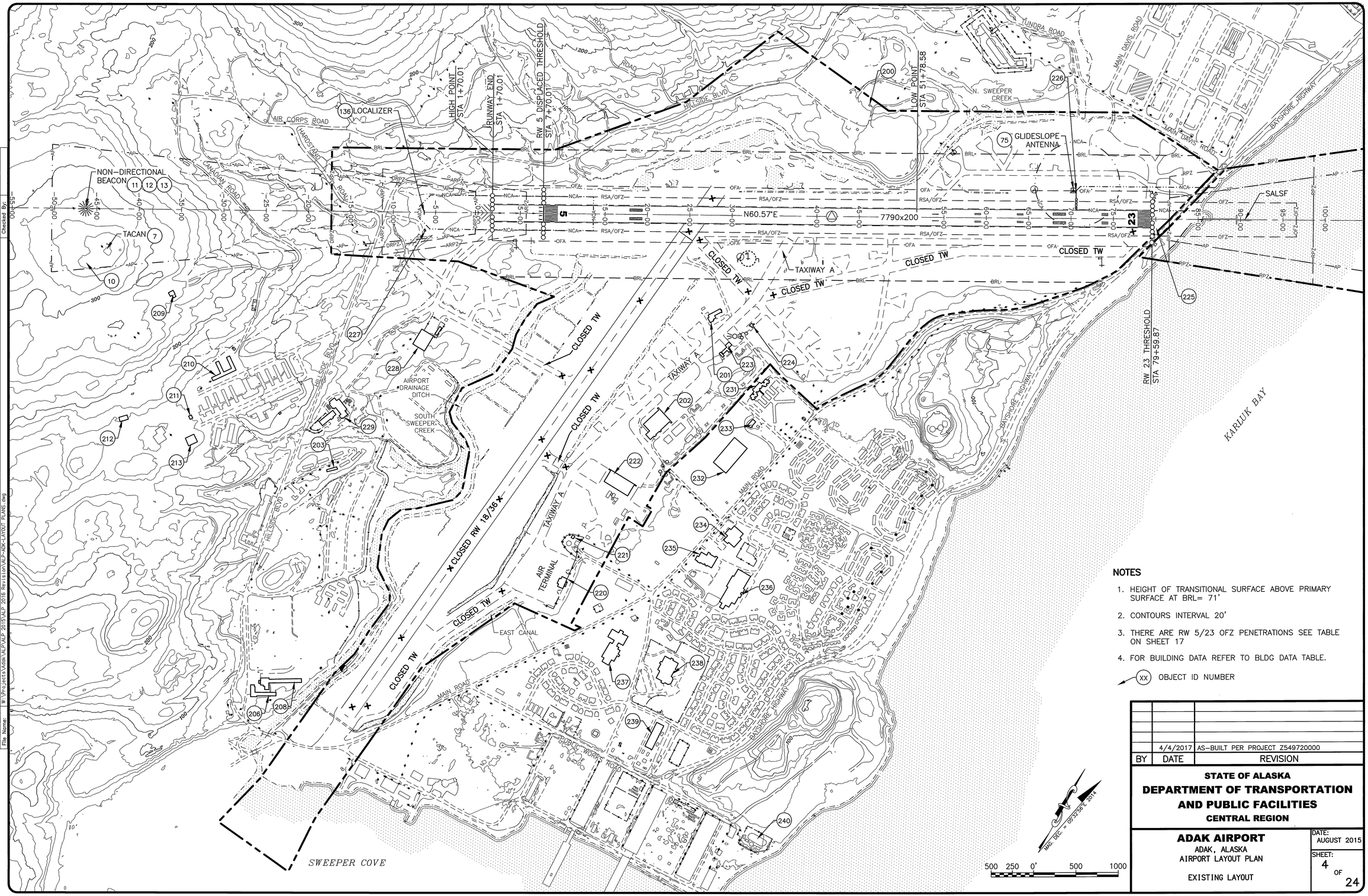


NOTES

1. HEIGHT OF TRANSITIONAL SURFACE ABOVE PRIMARY SURFACE AT BRL= 71'
2. CONTOURS INTERVAL 20'
3. THERE ARE RW 5/23 OFZ PENETRATIONS SEE TABLE ON SHEET 17
4. FOR BUILDING DATA REFER TO BLDG DATA TABLE.

XX OBJECT ID NUMBER

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

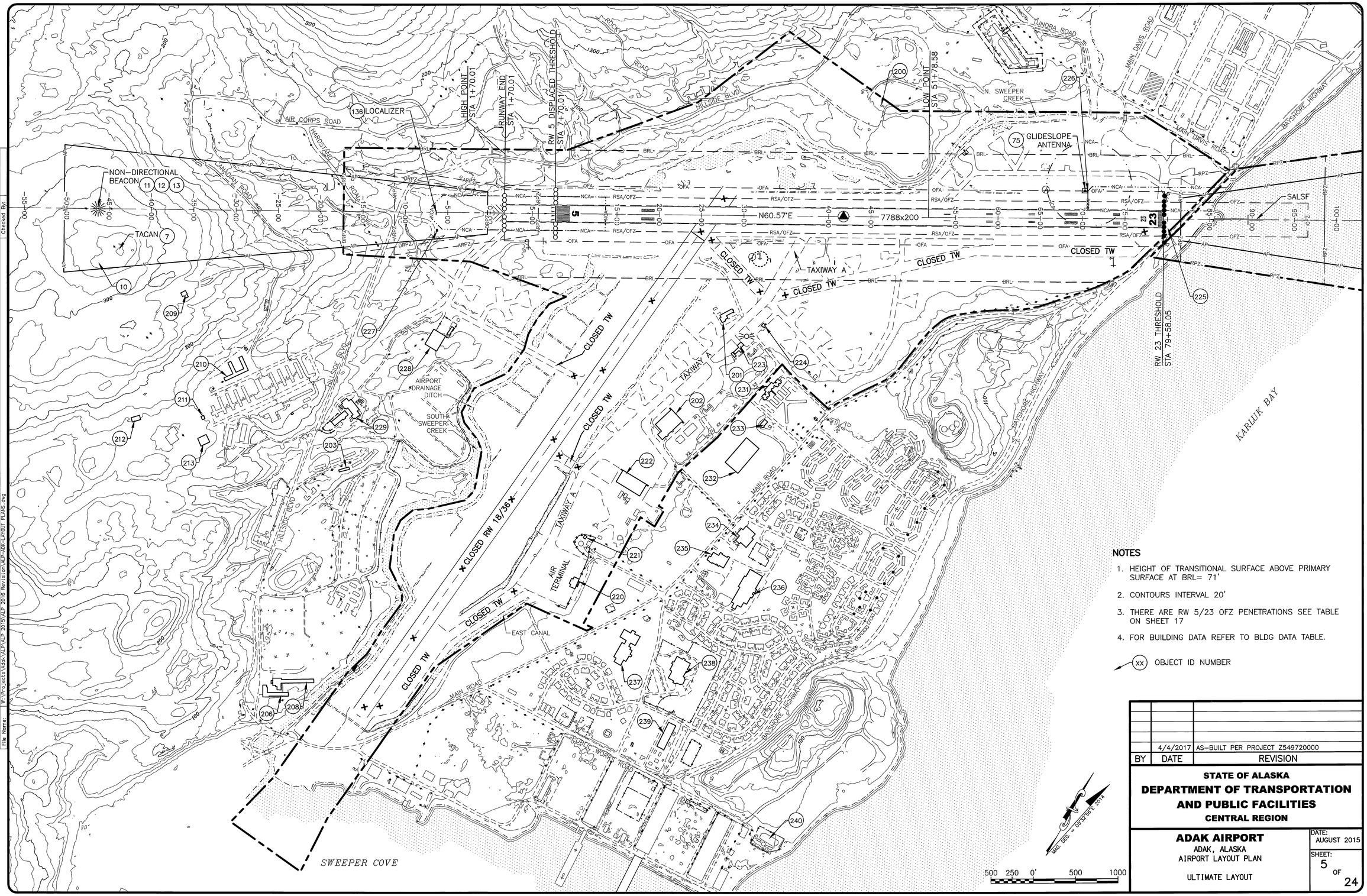
ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING LAYOUT

DATE: AUGUST 2015

SHEET: 4 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 5/08/2017, 3:13 PM
Layout Name: 4A-RF-LAYOUT
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-LAYOUT PLANS.dwg



NOTES

1. HEIGHT OF TRANSITIONAL SURFACE ABOVE PRIMARY SURFACE AT BRL= 71'
2. CONTOURS INTERVAL 20'
3. THERE ARE RW 5/23 OFZ PENETRATIONS SEE TABLE ON SHEET 17
4. FOR BUILDING DATA REFER TO BLDG DATA TABLE.

(XX) OBJECT ID NUMBER

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

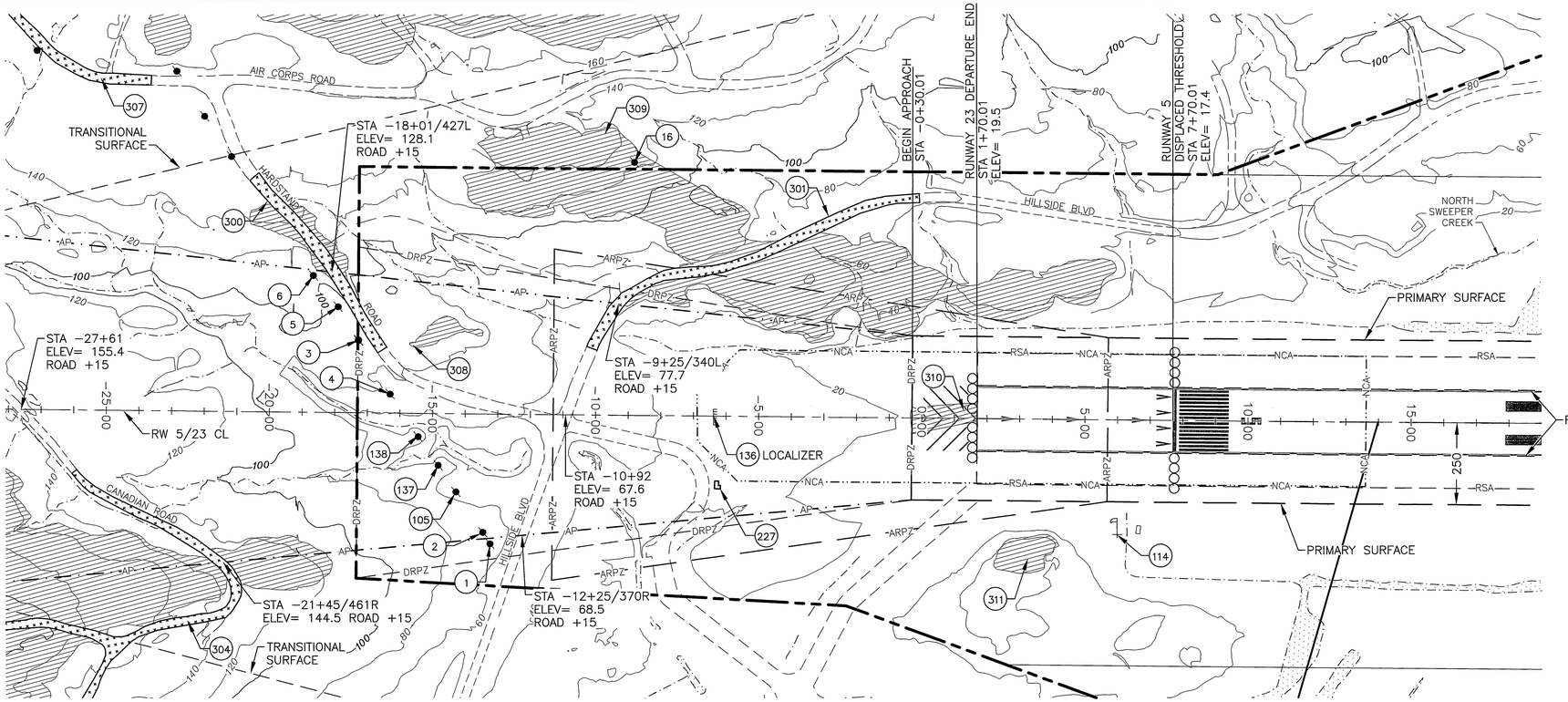
ULTIMATE LAYOUT

DATE: AUGUST 2015

SHEET: 5 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017 3:14 PM
Layout Name: 5-ULAYOUT
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-LAYOUT PLANS.dwg

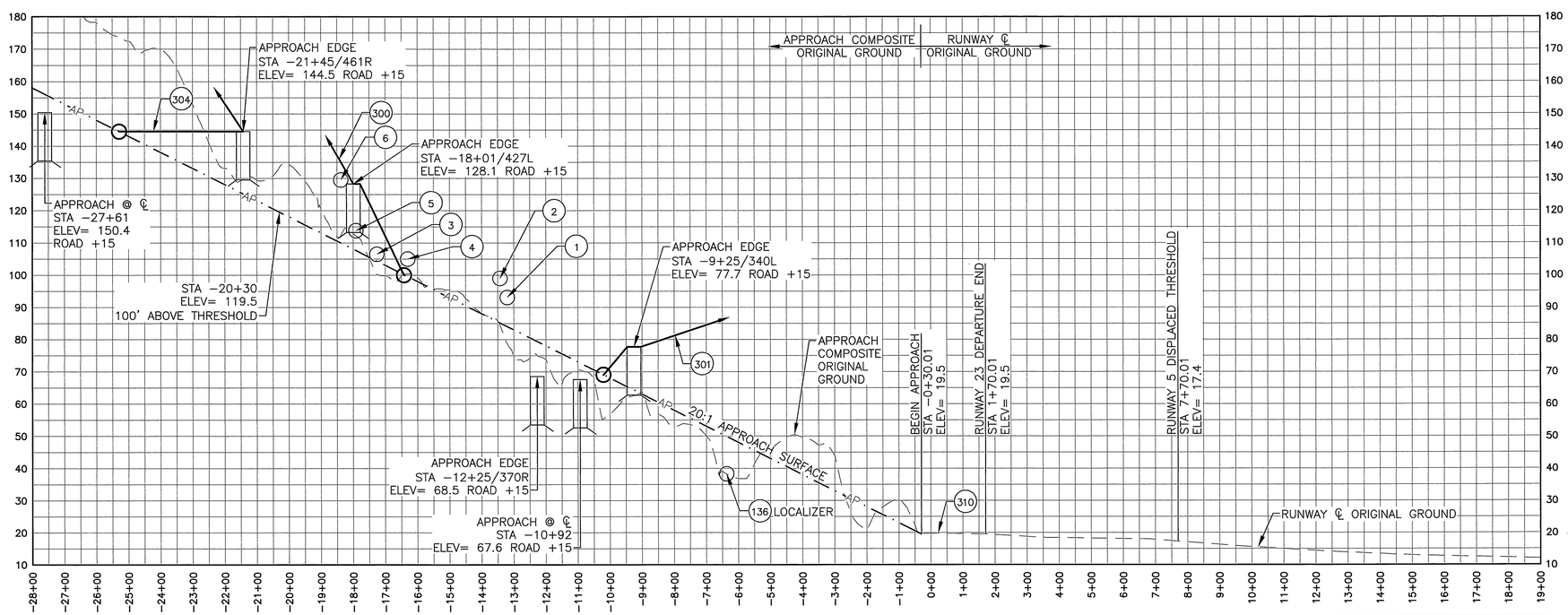


INNER APPROACH LEGEND

- (XX) OBJECT ID NUMBER
- PART 77 SURFACE TERRAIN PENETRATION AREA
- PART 77 SURFACE ROAD PENETRATION
- ROAD PENETRATION CONTINUES BEYOND APPROACH SURFACE

NOTE:

1. CONTOUR INTERVAL 20'
2. REFER TO DEPARTURES & APPROACH SITING SURFACE DRAWING RW 5
3. REFER TO AIRPORT AIRSPACE, 14 CFR, PART 77 DATA TABLES.
4. SEE AIRPORT AIRSPACE, 14 CFR, PART 77 FOR OBSTRUCTIONS BEYOND THIS DRAWING EXTENTS
5. CONTROLLING OBSTRUCTION = TOWER @ STA-13+61/396R ELEV= 413, SLOPE 11:1



200 100 0' 200 400
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING INNER PORTION OF THE APPROACH SURFACE - RUNWAY 5

DATE: AUGUST 2015
SHEET: 6 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/03/2017, 4:45 PM
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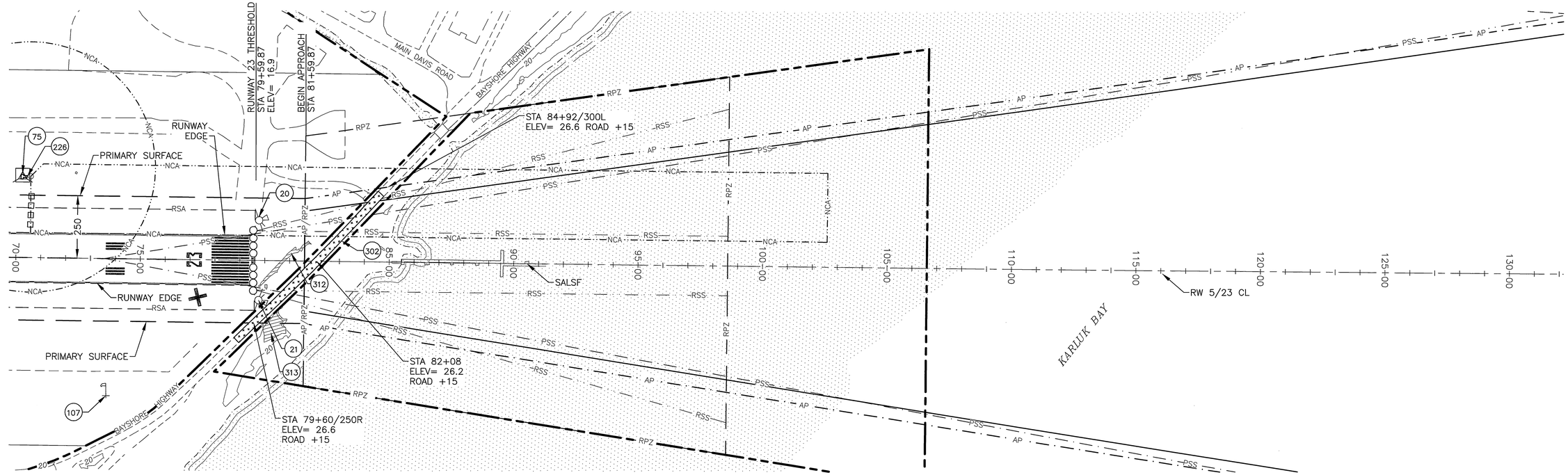

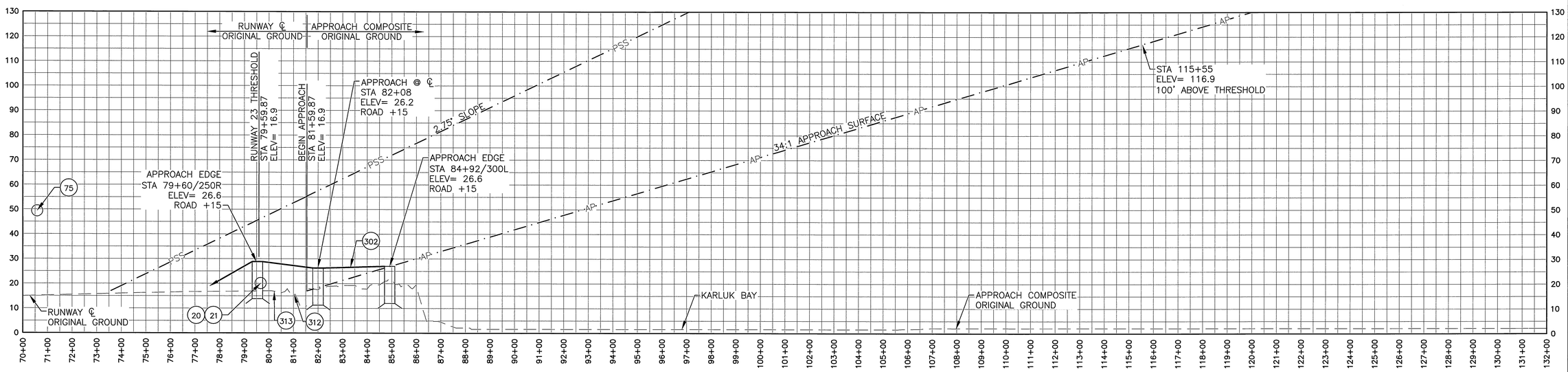

INNER APPROACH LEGEND

- XX — OBJECT ID NUMBER
- PART 77 SURFACE TERRAIN PENETRATION AREA
- PART 77 SURFACE ROAD PENETRATION
- ROAD PENETRATION CONTINUES BEYOND APPROACH SURFACE
- RSS — REIL SITING SURFACE

NOTE:

1. CONTOUR INTERVAL 20'
2. REFER TO DEPARTURES & APPROACH SITING SURFACE DRAWING RW 23
3. REFER TO AIRPORT AIRSPACE, 14 CFR, PART 77 DATA TABLES.
4. SEE AIRPORT AIRSPACE, 14 CFR, PART 77 FOR OBSTRUCTIONS BEYOND THIS DRAWING EXTENTS
5. CONTROLLING OBSTRUCTION = ROAD +15 @ STA 81+58/44R ELEV= 26.0 SLOPE 1:1

MAG. DEC. = 00°32'56" E 2014

200 100 0' 200 400
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING INNER PORTION OF THE APPROACH SURFACE - RUNWAY 23

DATE: AUGUST 2015
SHEET: 7 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/03/2017, 4:46 PM
Layout Name: 7A-RW23
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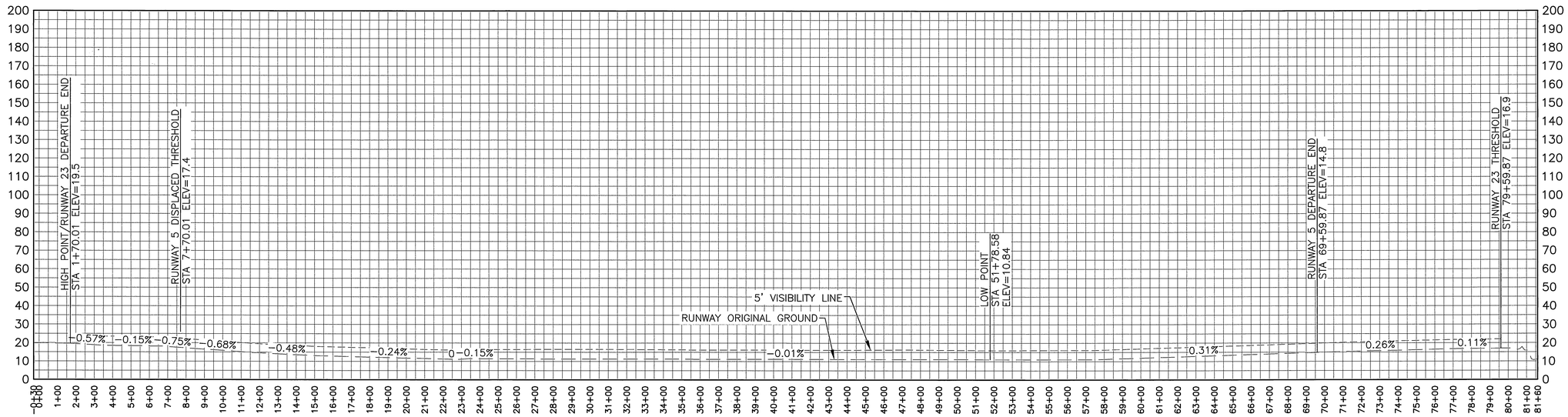

RUNWAY 5–23 CENTERLINE PROFILE

NOTE:

1. RUNWAY LAYOUT INFORMATION IS NOT AVAILABLE. RUNWAY ℄ GRADES WERE DETERMINED BY SAMPLING AS–BUILT SURVEY POINTS.

200 100 0' 200 400

HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS–BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING RUNWAY CENTERLINE PROFILE

DATE: AUGUST 2015

SHEET: 8 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 4/03/2017, 4:47 PM
Layout Name: 10A PROFILES
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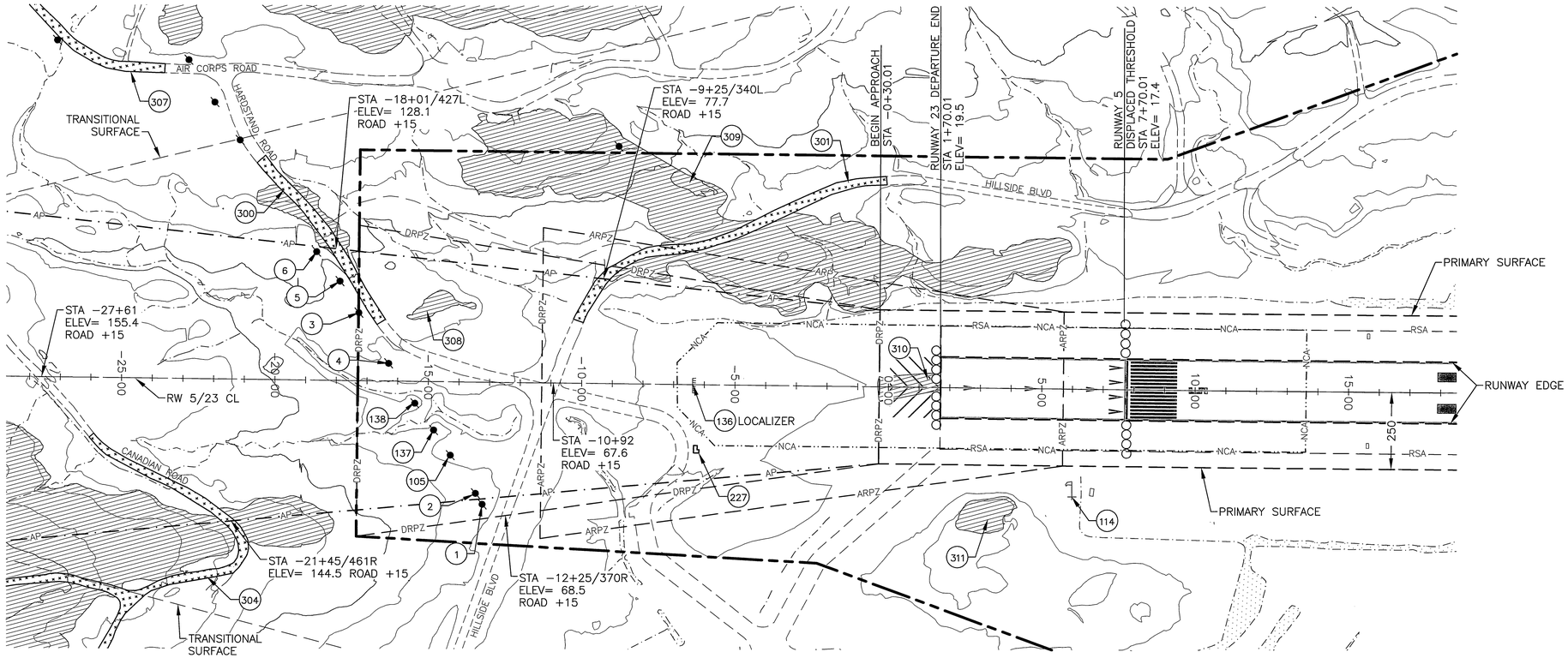
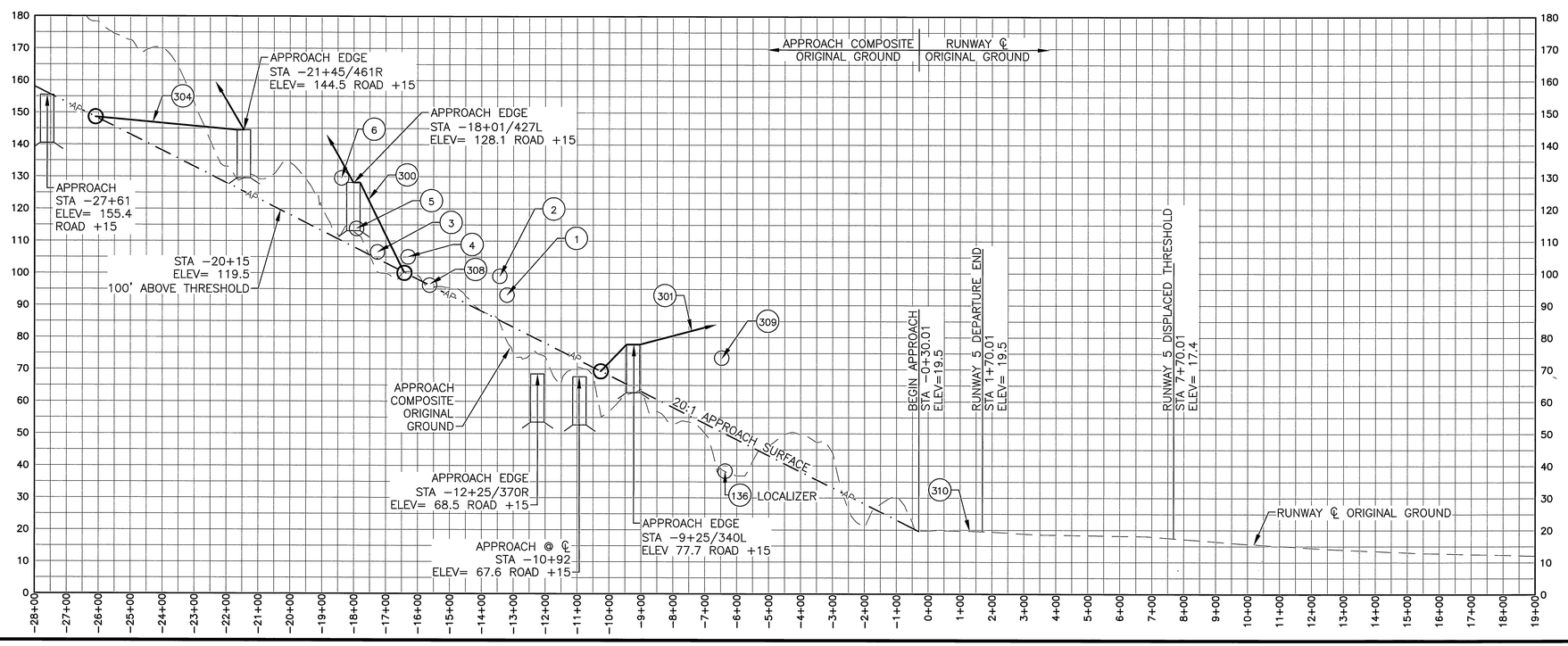


INNER APPROACH LEGEND

- (XX) OBJECT ID NUMBER
- PART 77 SURFACE TERRAIN PENETRATION AREA
- PART 77 SURFACE ROAD PENETRATION
- ROAD PENETRATION CONTINUES BEYOND APPROACH SURFACE

NOTE:

1. CONTOUR INTERVAL 20'
2. REFER TO DEPARTURE, APPROACH SITING SURFACE DRAWING RW 5
3. REFER TO PART 77 OBSTRUCTION DATA TABLES ON SHEETS 22–23
4. SEE AIRPORT AIRSPACE DRAWING FOR PART 77 OBSTRUCTIONS BEYOND THIS DRAWING EXTENTS
5. CONTROLLING OBSTRUCTION = TOWER @ STA −13+61/396R, ELEV = 413, SLOPE = 11:1



200 100 0' 200 400
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE INNER PORTION OF THE APPROACH SURFACE – RUNWAY 5

DATE: AUGUST 2015
SHEET: 9 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/03/2017, 4:50 PM
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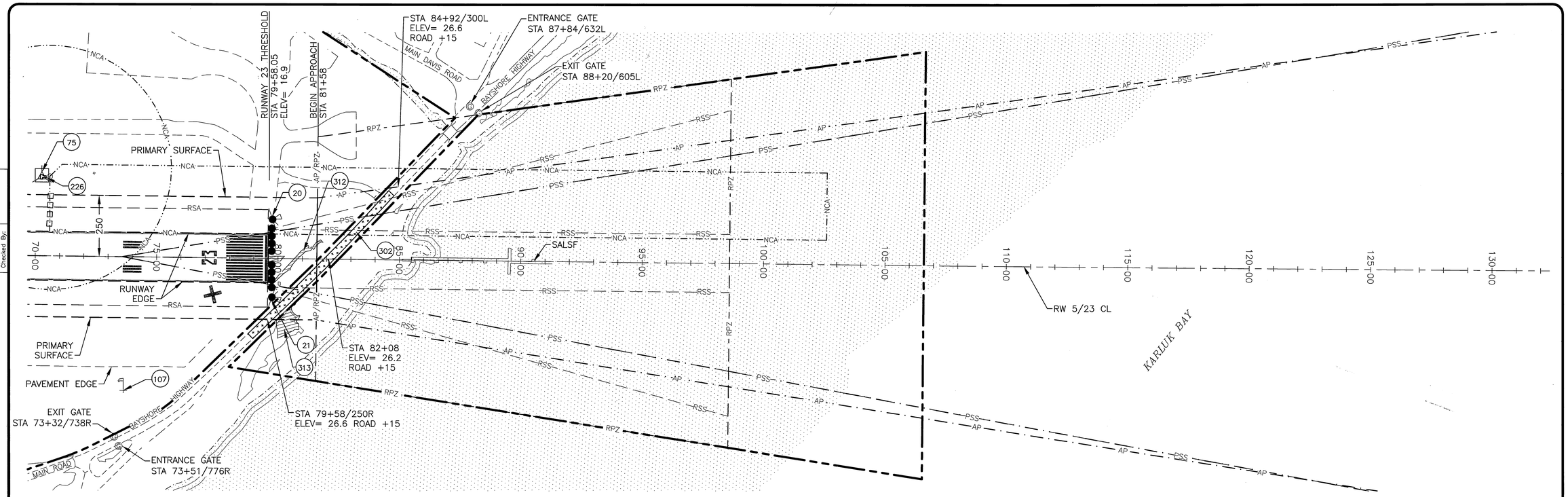

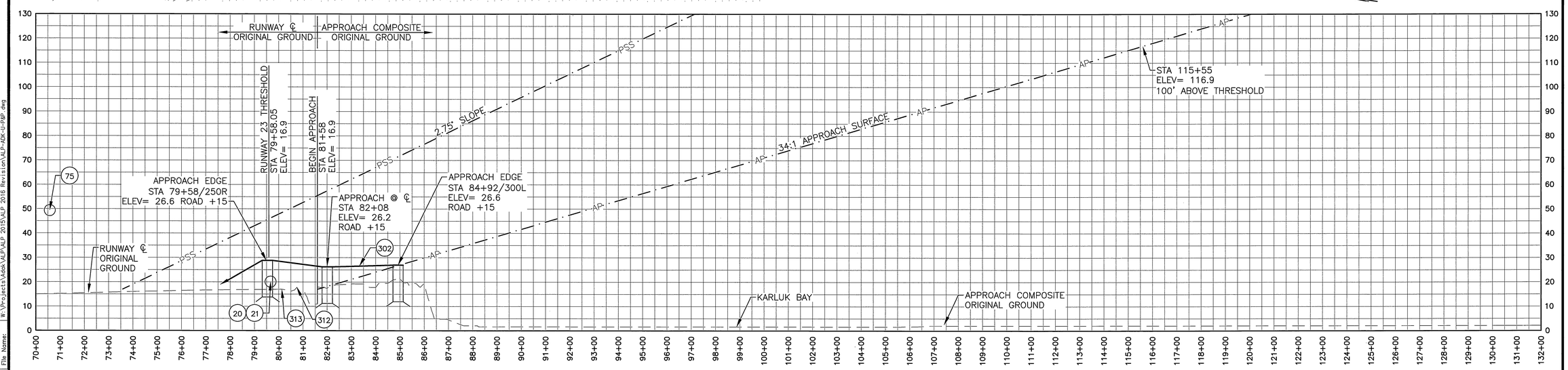

INNER APPROACH LEGEND

- XX — OBJECT ID NUMBER
- PART 77 SURFACE TERRAIN PENETRATION AREA
- PART 77 SURFACE ROAD PENETRATION
- ROAD PENETRATION CONTINUES BEYOND APPROACH SURFACE
- — RSS — — REIL SITING SURFACE

NOTES:

1. CONTOUR INTERVAL 20'
2. REFER TO DEPARTURE, APPROACH SITING SURFACE DRAWING
3. REFER TO PART 77 OBSTRUCTION DATA TABLES ON SHEETS 22–23
4. SEE AIRPORT AIRSPACE DRAWING FOR PART 77 OBSTRUCTIONS BEYOND THIS DRAWING EXTENTS
5. CONTROLLING OBSTRUCTION = ROAD+15@ STA 81+58/44R, ELEV= 26.0, SLOPE = 1:1

MAG DEC = 05°32'56"E 2014

200 100 0' 200 400
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE INNER PORTION OF THE APPROACH SURFACE - RUNWAY 23

DATE: AUGUST 2015
SHEET: 10 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/03/2017 4:51 PM
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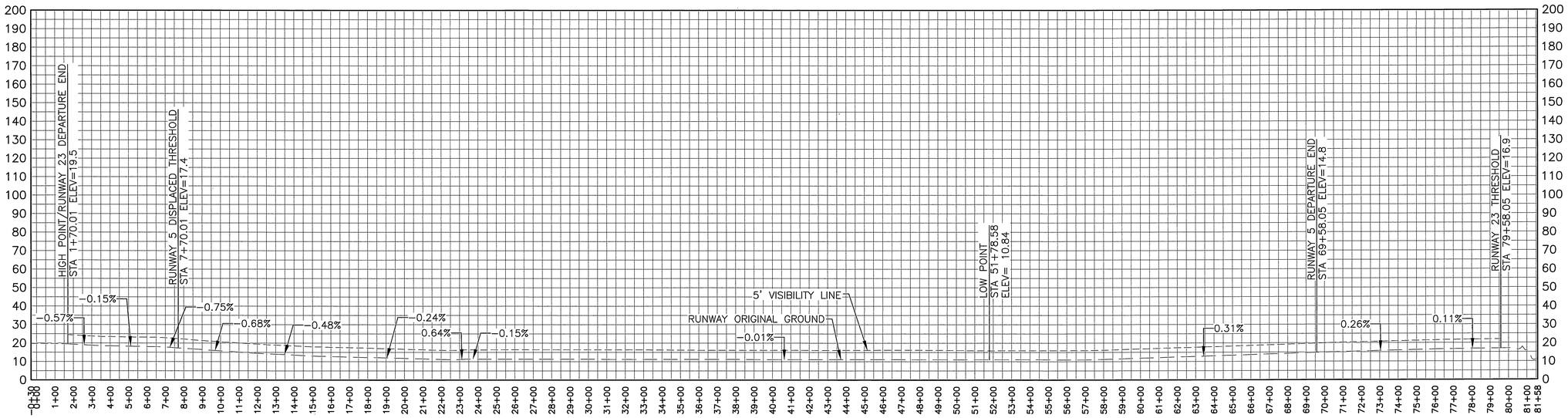


RUNWAY 5-23 CENTERLINE PROFILE

NOTE:

1. RUNWAY LAYOUT INFORMATION IS NOT AVAILABLE. RUNWAY ℄ GRADES WERE DETERMINED BY SAMPLING AS-BUILT SURVEY POINTS.

200 100 0' 200 400

HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	04/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE RUNWAY CENTERLINE PROFILES

DATE: AUGUST 2015

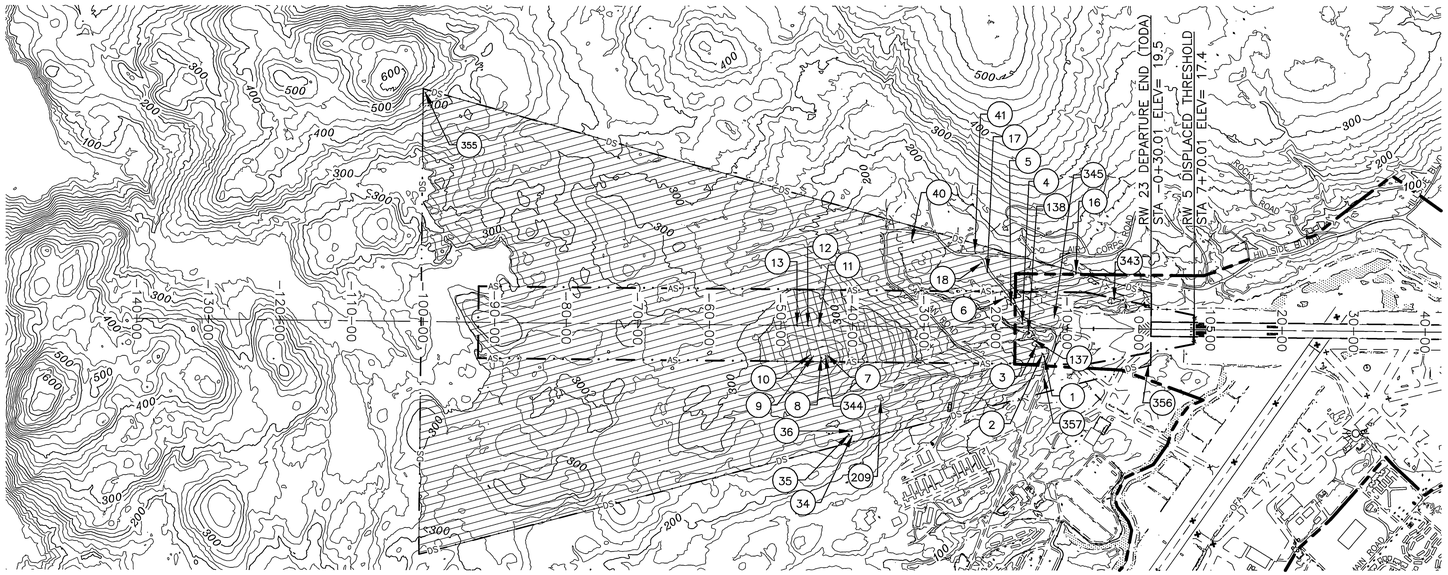
SHEET: 11 OF 24

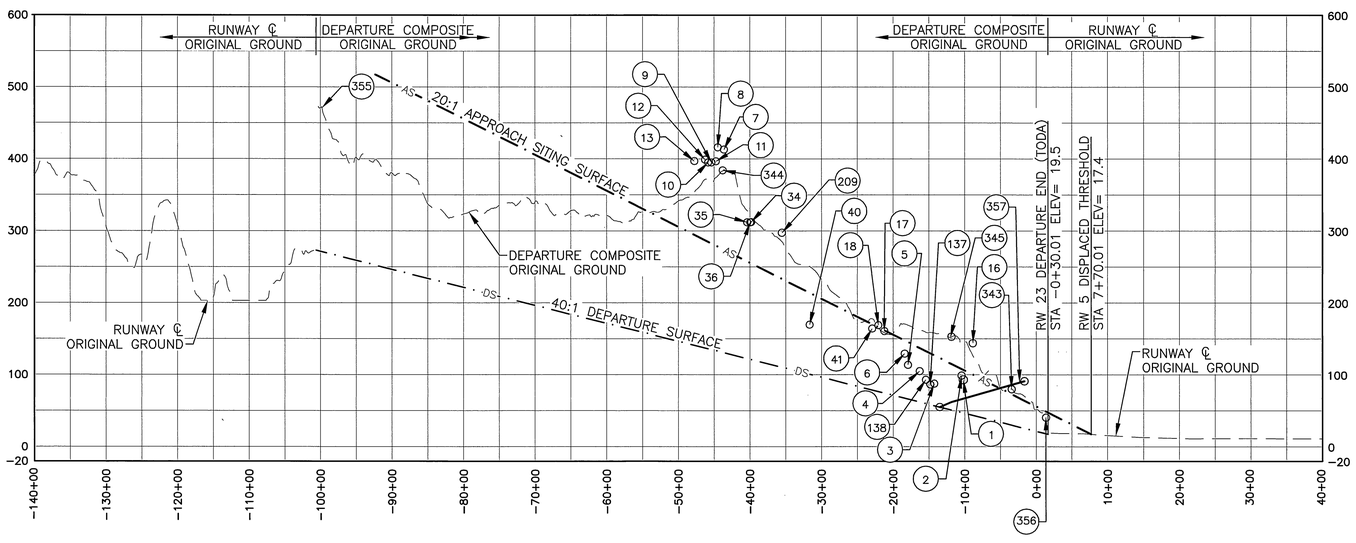
Designed By:
Drawn By:
Checked By:

Date Plotted: 4/03/2017, 4:52 PM
Layout Name: 13-PROFILE
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-U-P&P.dwg

DEPARTURE & SITING SURFACE LEGEND

- AIRPORT PROPERTY LINE
- AS — APPROACH SITING SURFACE
- APPROACH SITING SURFACE TERRAIN PENETRATION
- DS — DEPARTURE SURFACE
- DEPARTURE SURFACE TERRAIN PENETRATION
- XX — OBJECT ID NUMBER





NOTE:

1. CONTOUR INTERVAL 20'
2. APPROACH END OF RUNWAY 5 EXPECTED TO SERVE LARGE AIRPLANES (VISUAL DAY/NIGHT) APPROACH SITING SURFACE BEGINS @ DISPLACED THRESHOLD
   400 X 1,000 X 1,500 X 8,500 X 20:1
3. DEPARTURE SURFACE FOR RW 23 BEGINS @ RUNWAY END (TODA) 1,000 X 6,466 X 10,200 X 40:1
4. REFER TO APPROACH SITING AND DEPARTURE OBSTACLE TABLES ON SHEET 14

1000 500 0' 1000 2000
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

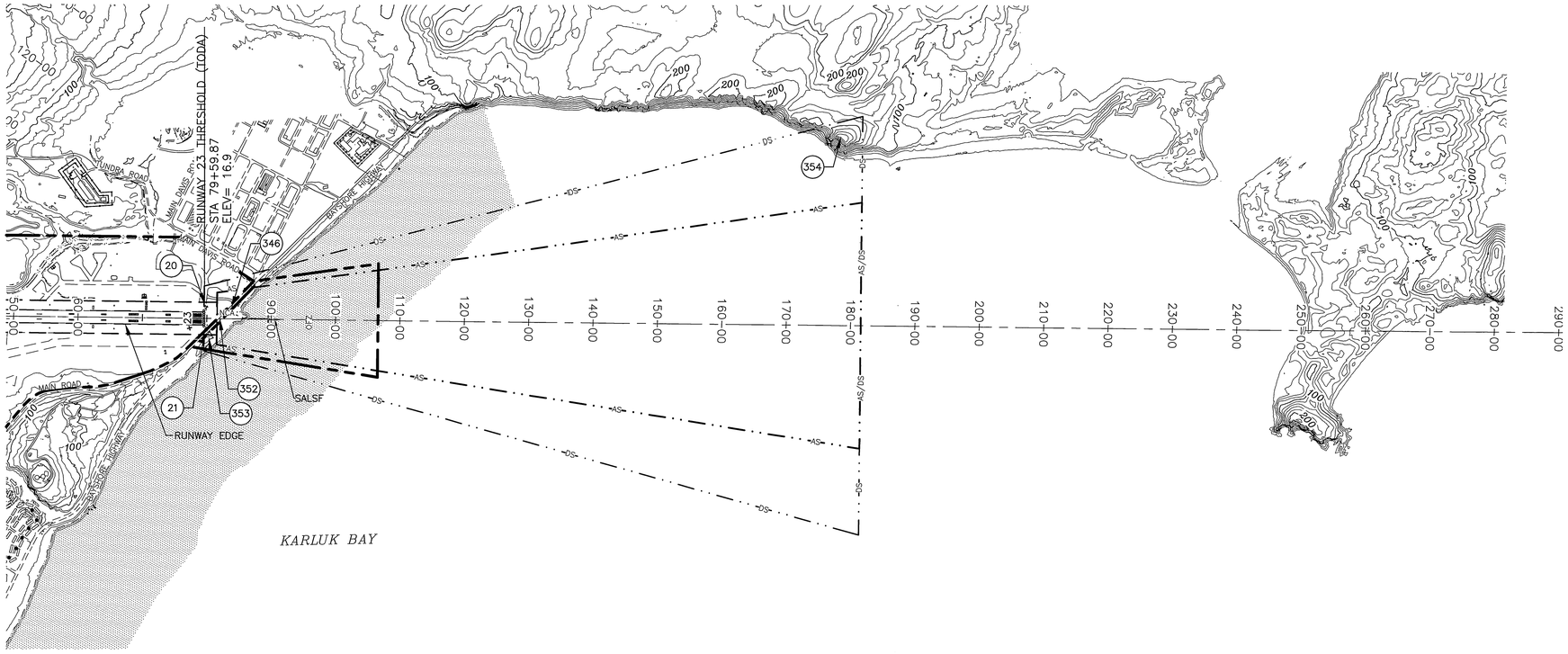
EXISTING DEPARTURES & APPROACH SITING SURFACES - RUNWAY 5

DATE: AUGUST 2015

SHEET: 12 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 4/04/2017, 7:47 AM
Layout Name: 16-R6
File Name: W:\Projects\Adak\VALP\VALP 2015\VALP 2016 Revision\ALP-ADK-NT-DEPT-PAP.dwg

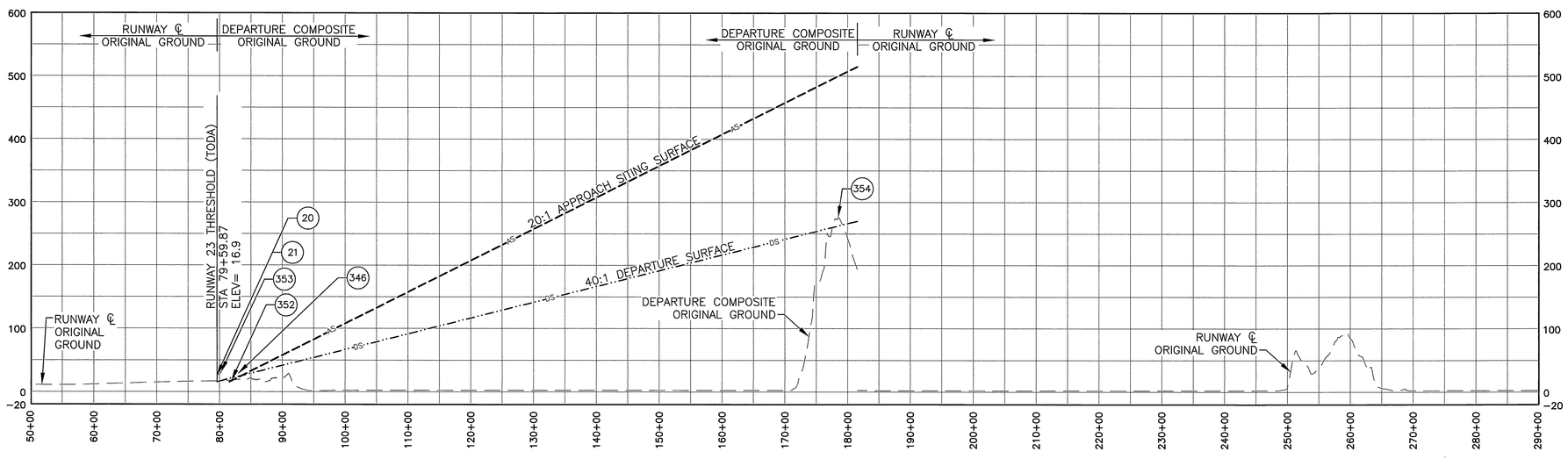


DEPARTURE & SITING SURFACE LEGEND

- AIRPORT PROPERTY LINE
- AS — APPROACH SITING SURFACE
- DS — DEPARTURE SURFACE
- XX — OBJECT ID NUMBER

NOTE:

1. CONTOUR INTERVAL 20'
2. APPROACH END OF RUNWAY 23 EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS GREATER THAN OR EQUAL TO 3/4 BUT LESS THAN 1 STATUE MILE, DAY OR NIGHT. APPROACH SURFACE BEGINS 200' OUTBOARD OF THRESHOLD 800 X 3,800 X 10,000 X 20:1
3. DEPARTURE SURFACE FOR RW 5 BEGINS @ RUNWAY END (TODA) 1,000 X 6,466 X 10,200 X 40:1
4. REFER TO APPROACH SITING AND DEPARTURE OBSTACLE TABLES ON SHEET 14



1000 500 0' 1000 2000

HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING DEPARTURE & APPROACH SITING SURFACES - RUNWAY 23

DATE: AUGUST 2015

SHEET: 13 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 4/04/2017, 7:48 AM
Layout Name: 17-RW23
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-NT-DEPT-APP.dwg

APPROACH SITING SURFACE OBSTACLES (RUNWAY 5)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
7	TOWER	−43+61/396R	378.7	34.2	412.9	APPROACH SITING	273.9	139.0	EXISTING	TO REMAIN	
8	POLE	−44+35/444R	377.5	38.6	416.1	APPROACH SITING	277.6	138.5	EXISTING	TO REMAIN	
9	RADAR DOME	−45+37/413R	366.7	28.4	395.1	APPROACH SITING	282.7	112.4	EXISTING	TO REMAIN	
10	DME ANTENNA	−45+82/402R	366.3	28.8	395.1	APPROACH SITING	285.0	110.1	EXISTING	TO REMAIN	
11	NDB TOWER	−44+75/0	327.0	70.0	397.0	APPROACH SITING	279.6	117.4	EXISTING	TO REMAIN	
12	NDB SHELTER	−46+25/0	327.0	70.0	397.0	APPROACH SITING	287.1	109.9	EXISTING	TO REMAIN	
13	NDB TOWER	−47+75/0	327.0	70.0	397.0	APPROACH SITING	294.6	102.4	EXISTING	TO REMAIN	
343	TERRAIN	−3+48/392L	79.0	0	79.0	APPROACH SITING	73.0	6.0	EXISTING	TO REMAIN	
344	TERRAIN	−30+43/500L −53+12/500R	*384.0	0	*384.0	APPROACH SITING	274.0	110.0	EXISTING	TO REMAIN	
345	ROAD +15	−6+56/446L −5+66/467L	76.0	15.0	91.0	APPROACH SITING	84.0	7.0	EXISTING	TO REMAIN	

APPROACH SITING SURFACE OBSTACLES (RUNWAY 23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
346	ROAD +15	81+60/57R 83+50/130L	11.0	15.0	26.0	APPROACH SITING	20.0	6.0	EXISTING	TO REMAIN	

OFZ PENTRATIONS (RUNWAY 5/23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
347	TERRAIN (RUNWAY SURFACE)	−0+30/45L 1+70/40R	19.8	0	19.8	OFZ	19.5	0.3	EXISTING	TO REMAIN	
348	TERRAIN (RUNWAY SURFACE)	9+50/0 12+50/85R	16.0	0	16.0	OFZ	14.9	1.1	EXISTING	TO REMAIN	
349	TERRAIN (RUNWAY SURFACE)	14+25/0 16+00/55L	13.2	0	13.2	OFZ	12.9	0.3	EXISTING	TO REMAIN	
350	TERRAIN	79+58/68L 81+58/200R	*19.4	0	*19.4	OFZ	16.9	2.5	EXISTING	TO REMAIN	
351	ROAD+15	80+06/200R 89+37/762L	11.5	15.0	26.5	OFZ	16.9	9.6	EXISTING	TO REMAIN	

* HIGHEST FEATURE IN A LARGE AREA OF TERRAIN PENETRATION. REFER TO HATCHED AREAS ON MAP.

DEPARTURE SURFACE OBSTACLES (RUNWAY 5)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
20	REIL LIGHT	79+67/119R	15.4	4.7	20.1	DEPARTURE	16.9	3.2	EXISTING	TO REMAIN	
21	REIL LIGHT	79+66/119L	15.6	4.5	20.1	DEPARTURE	16.9	3.2	EXISTING	TO REMAIN	
352	ROAD +15	79+58/252R 83+31/110L	11.0	15.0	26.0	DEPARTURE	23.0	3.0	EXISTING	TO REMAIN	
353	TERRAIN	79+60/201R 81+08/482R	*31.0	0	*31.0	DEPARTURE	18.0	13.0	EXISTING	TO REMAIN	
354	TERRAIN	178+50/2918L	276.0	0	276.0	DEPARTURE	265.0	11.0	EXISTING	TO REMAIN	

DEPARTURE SURFACE OBSTACLES (RUNWAY 23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
1	POLE	−13+20/396R	65.2	27.9	93.1	DEPARTURE	56.7	36.4	EXISTING	TO REMAIN	
2	POLE	−13+43/361R	69.9	29.1	99.0	DEPARTURE	57.3	41.7	EXISTING	TO REMAIN	
(*) 3	POLE	−17+05/187L	81.5	25	106.5	DEPARTURE	66.7	39.8	EXISTING	TO REMAIN	
4	POLE	−16+30/58L	76.7	28.3	105.0	DEPARTURE	64.5	40.5	EXISTING	TO REMAIN	
5	POLE	−17+92/322L	92.4	21.4	113.8	DEPARTURE	68.6	45.2	EXISTING	TO REMAIN	
6	POLE	−18+39/417L	105.4	24.1	129.5	DEPARTURE	70.5	59.0	EXISTING	TO REMAIN	
7	TACAN TOWER	−43+61/396R	378.7	34.2	412.9	DEPARTURE	132.8	280.1	EXISTING	TO REMAIN	
8	POLE	−44+49/469R	377.5	38.6	416.1	DEPARTURE	134.6	281.5	EXISTING	TO REMAIN	
9	RADAR DOME	−45+37/413R	366.7	28.4	395.1	DEPARTURE	137.2	257.9	EXISTING	TO REMAIN	
10	DME ANTENNA	−45+82/402R	366.3	28.8	395.1	DEPARTURE	138.3	256.8	EXISTING	TO REMAIN	
(*) 11	NDB TOWER	−44+75/0	327.0	70.0	397.0	DEPARTURE	135.6	261.4	EXISTING	TO REMAIN	
(*) 12	NDB SHELTER	−46+25/0	327.0	70.0	397.0	DEPARTURE	139.4	257.6	EXISTING	TO REMAIN	
(*) 13	NDB TOWER	−47+75/0	327.0	70.0	397.0	DEPARTURE	143.1	253.9	EXISTING	TO REMAIN	
16	POLE	−8+87/771L	125.9	18.2	144.1	DEPARTURE	45.9	98.2	EXISTING	TO REMAIN	
18	POLE	−22+06/898L	150.5	18.5	169.0	DEPARTURE	78.9	90.1	EXISTING	TO REMAIN	
34	TANK	−39+84/1512R	277.0	35.4	312.4	DEPARTURE	123.3	189.1	EXISTING	TO REMAIN	
(*) 35	TANK	−40+37/1509R	277.0	35.0	312.0	DEPARTURE	124.7	187.3	EXISTING	TO REMAIN	
(*) 36	TANK	−39+96/1460R	277.0	35.0	312.0	DEPARTURE	123.7	208.3	EXISTING	TO REMAIN	
40	POLE	−31+67/1174L	150.7	18.9	169.6	DEPARTURE	102.9	66.7	EXISTING	TO REMAIN	
41	POLE	−22+92/1034L	154.5	15.1	169.6	DEPARTURE	81.1	88.5	EXISTING	TO REMAIN	
105	POLE	−14+26/239R	57.7	26.0	83.7	DEPARTURE	59.4	24.3	EXISTING	TO REMAIN	
106	POLE	−21+22/777L	144.1	16.7	160.8	DEPARTURE	76.8	84.0	EXISTING	TO REMAIN	
137	POLE	−14+81/157R	62.0	24.6	86.6	DEPARTURE	60.8	25.8	EXISTING	TO REMAIN	
138	POLE	−15+43/71R	63.4	29.6	93.0	DEPARTURE	62.3	30.7	EXISTING	TO REMAIN	
209	BUILDING	−35+54/1024R	273.9	23.1	297.0	DEPARTURE	112.6	184.4	EXISTING	TO REMAIN	
355	TERRAIN	1+70/3233L −100+23/3233R	*471.0	0	*471.0	DEPARTURE	273.0	198.0	EXISTING	TO REMAIN	
356	TERRAIN	1+36/485R	41.0	0	41.0	DEPARTURE	19.0	22.0	EXISTING	TO REMAIN	
357	ROAD+15	−14+62/927R −2+89/613L	53.0	15	68.0	DEPARTURE	51.0	17.0	EXISTING	TO REMAIN	

(*) DATA ESTIMATED

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

EXISTING DEPARTURE, APPROACH SITING & OFZ - DATA TABLES

DATE: AUGUST 2015

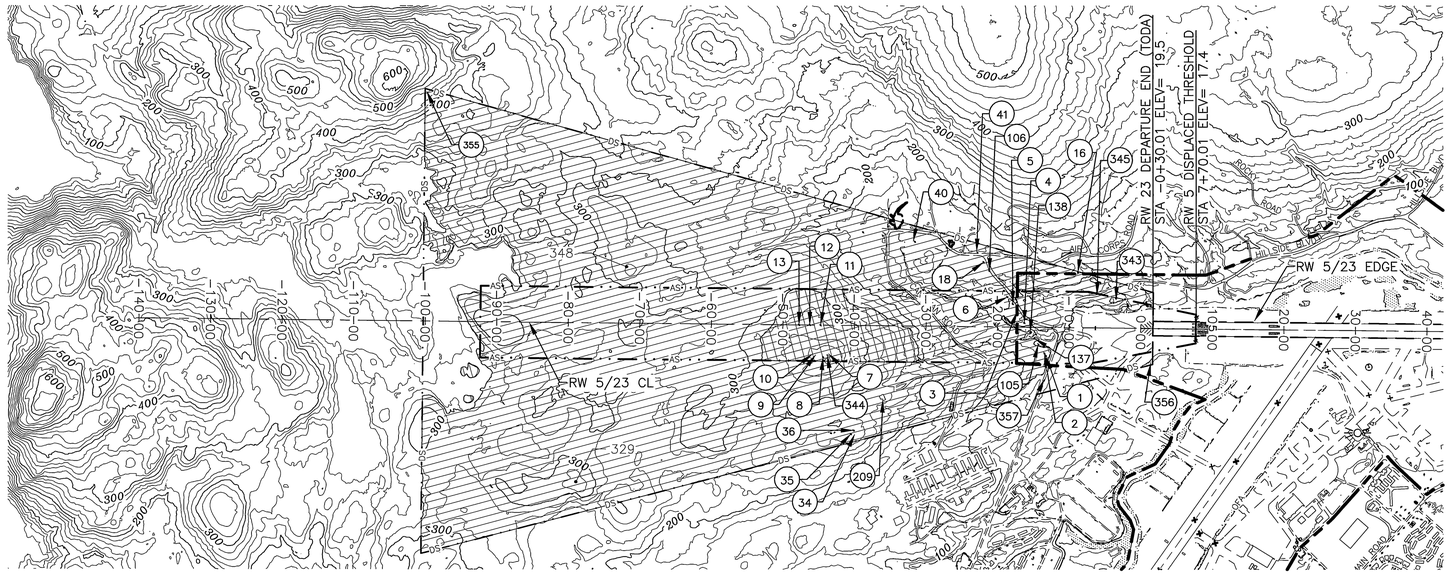
SHEET: 14 OF 24

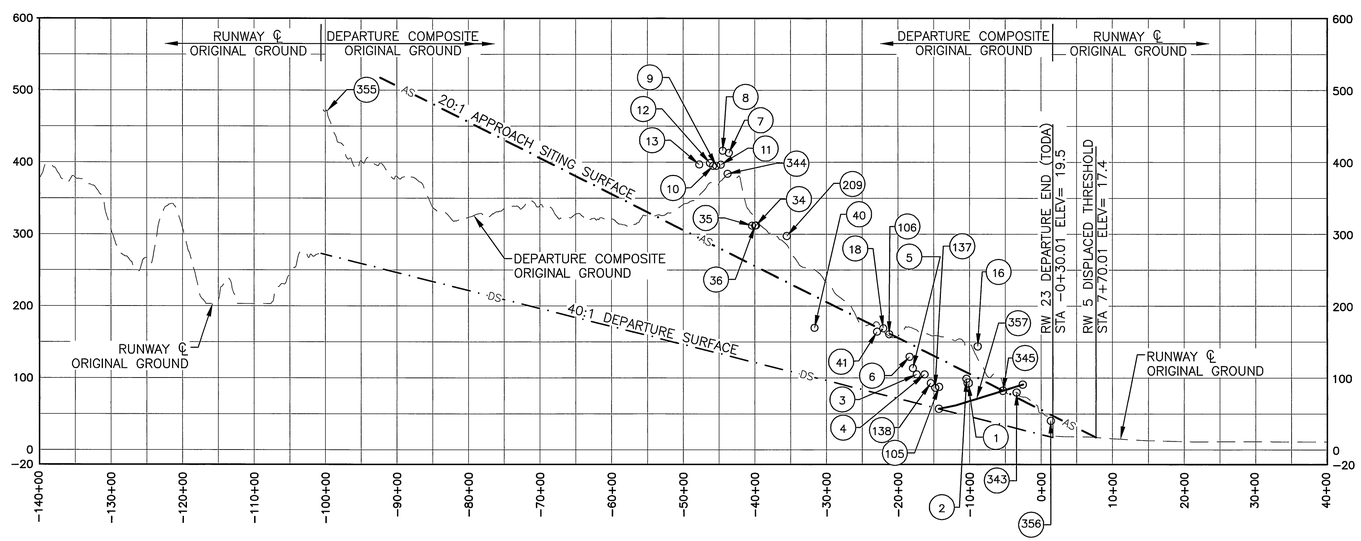
Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017 1:31 PM
Layout Name: 18-DATA
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-NT-DEPT-R&P.dwg

DEPARTURE & SITING SURFACE LEGEND

- AIRPORT PROPERTY LINE
- APPROACH SITING SURFACE
- APPROACH SITING SURFACE TERRAIN PENETRATION
- DEPARTURE SURFACE
- DEPARTURE SURFACE TERRAIN PENETRATION
- (XX) OBJECT ID NUMBER





NOTE:

1. CONTOUR INTERVALS SHOWN AT 20'
2. APPROACH END OF RUNWAY 5 EXPECTED TO SERVE LARGE AIRPLANES (VISUAL DAY/NIGHT) APPROACH SITING SURFACE BEGINS @ DISPLACED THRESHOLD 400 X 1,000 X 1,500 X 8,500 X 20:1
3. DEPARTURE SURFACE FOR RW 23 BEGINS @ DEPARTURE RUNWAY END (TODA) 1,000 X 6,466 X 10,200 X 40:1
4. REFER TO APPROACH SITING AND DEPARTURE OBSTACLE TABLES ON SHEET 17

1000 500 0' 1000 2000
HORIZONTAL:VERTICAL SCALE = 1:10

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

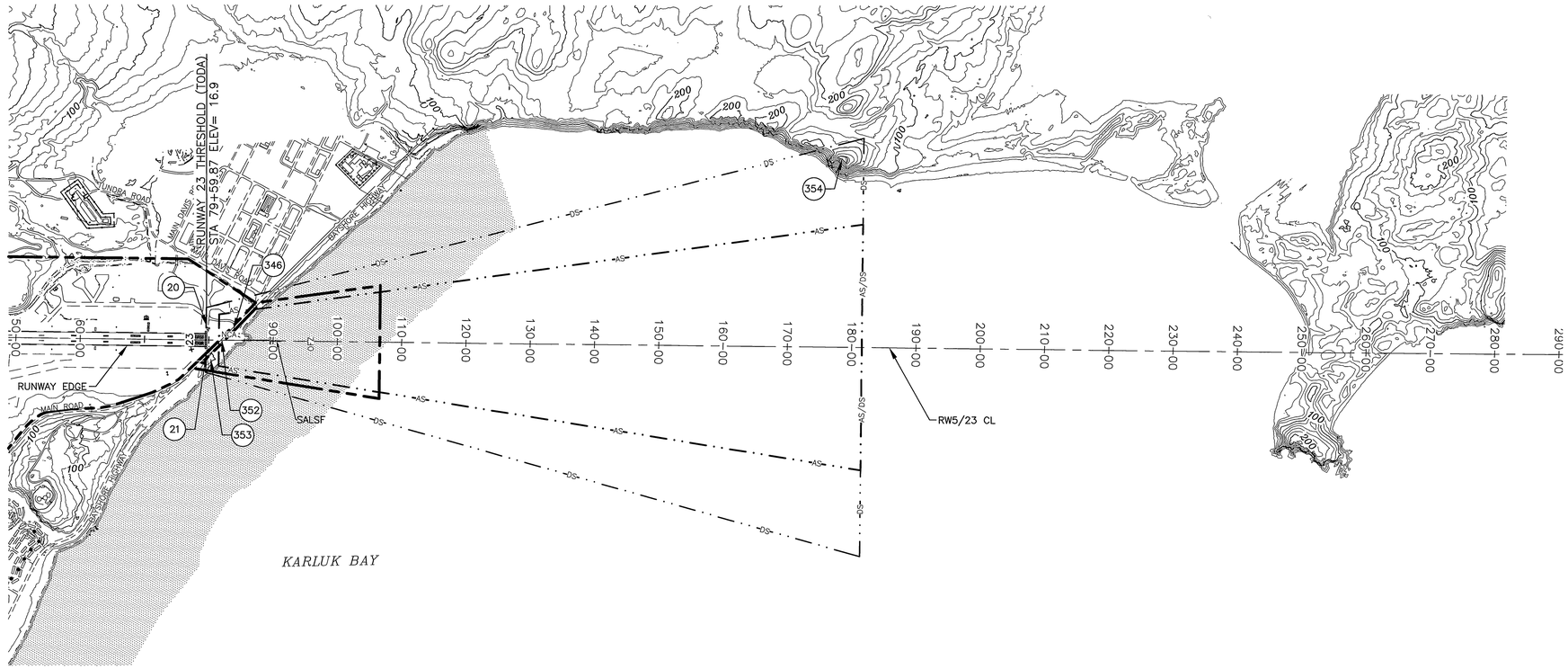
ULTIMATE DEPARTURES & APPROACH SITING SURFACES - RUNWAY 5

DATE: AUGUST 2015

SHEET: 15 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017, 1:35 PM
Layout Name: 16-RW5
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-U-DEPT-PAP.dwg

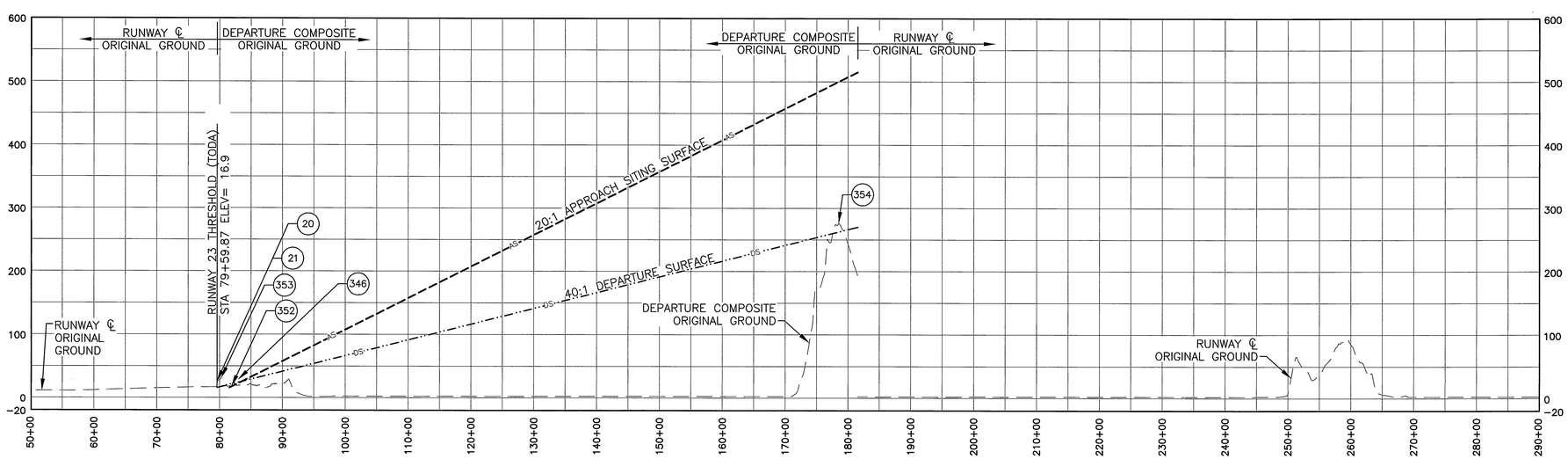


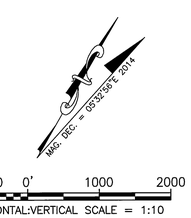
DEPARTURE & SITING SURFACE LEGEND

- AIRPORT PROPERTY LINE
- AS — APPROACH SITING SURFACE
- DS — DEPARTURE SURFACE
- XX — OBJECT ID NUMBER

NOTE:

1. CONTOUR INTERVAL 20'
2. APPROACH END OF RUNWAY 23 EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS GREATER THAN OR EQUAL TO 3/4 BUT LESS THAN 1 STATUTE MILE, DAY OR NIGHT. APPROACH SURFACE BEGINS 200' OUTBOARD OF THRESHOLD 800 X 3,800 X 10,000 X 20:1
3. DEPARTURE SURFACE RUNWAY 5 @ RUNWAY END (TODA) 1,000 X 6,466 X 10,200 X 40:1
4. REFER TO APPROACH SITING AND DEPARTURE OBSTACLE TABLES ON SHEET 17





BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE DEPARTURE & APPROACH SITING SURFACES - RUNWAY 23

DATE: AUGUST 2015

SHEET: 16 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017, 1:35 PM
Layout Name: 17-RW23
File Name: W:\Projects\Adak\VALP\VALP 2015\VALP 2016 Revision\ALP-ADK-U-DEPT-RAP.dwg

APPROACH SITING SURFACE OBSTACLES (RUNWAY 5)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
7	TOWER	−43+61/396R	378.7	34.2	412.9	APPROACH SITING	273.9	139.0	EXISTING	TO REMAIN	
8	POLE	−44+35/444R	377.5	38.6	416.1	APPROACH SITING	277.6	138.5	EXISTING	TO REMAIN	
9	RADAR DOME	−45+37/413R	366.7	28.4	395.1	APPROACH SITING	282.7	112.4	EXISTING	TO REMAIN	
10	DME ANTENNA	−45+82/402R	366.3	28.8	395.1	APPROACH SITING	285.0	110.1	EXISTING	TO REMAIN	
11	NDB TOWER	−44+75/0	327.0	70.0	397.0	APPROACH SITING	279.6	117.4	EXISTING	TO REMAIN	
12	NDB SHELTER	−46+25/0	327.0	70.0	397.0	APPROACH SITING	287.1	109.9	EXISTING	TO REMAIN	
13	NDB TOWER	−47+75/0	327.0	70.0	397.0	APPROACH SITING	294.6	102.4	EXISTING	TO REMAIN	
343	TERRAIN	−3+48/392L	79.0	0	79.0	APPROACH SITING	73.0	6.0	EXISTING	TO REMAIN	
344	TERRAIN	−30+43/500L −53+12/500R	*384.0	0	*384.0	APPROACH SITING	274.0	110.0	EXISTING	TO REMAIN	
345	ROAD +15	−6+56/446L −5+66/467L	76.0	15.0	91.0	APPROACH SITING	84.0	7.0	EXISTING	TO REMAIN	

APPROACH SITING SURFACE OBSTACLES (RUNWAY 23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
346	ROAD +15	81+58/57R 83+50/130L	11.0	15.0	26.0	APPROACH SITING	20.0	6.0	EXISTING	TO REMAIN	

OFZ PENTRATIONS (RUNWAY 5/23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
347	TERRAIN (RUNWAY SURFACE)	−0+30/45L 1+70/40R	19.8	0	19.8	OFZ	19.5	0.3	EXISTING	TO REMAIN	
348	TERRAIN (RUNWAY SURFACE)	9+50/0 12+50/85R	16.0	0	16.0	OFZ	14.9	1.1	EXISTING	TO REMAIN	
349	TERRAIN (RUNWAY SURFACE)	14+25/0 16+00/55L	13.2	0	13.2	OFZ	12.9	0.3	EXISTING	TO REMAIN	
350	TERRAIN	79+58/68L 81+58/200R	*19.4	0	*19.4	OFZ	16.9	2.5	EXISTING	TO REMAIN	
351	ROAD+15	80+06/200R 89+37/762L	11.5	15.0	26.5	OFZ	16.9	9.6	EXISTING	TO REMAIN	

* HIGHEST FEATURE IN A LARGE AREA OF TERRAIN PENETRATION. REFER TO HATCHED AREAS ON MAP.

DEPARTURE SURFACE OBSTACLES (RUNWAY 5)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
20	REIL LIGHT	79+67/119R	15.4	4.7	20.1	DEPARTURE	16.9	3.2	EXISTING	TO REMAIN	
21	REIL LIGHT	79+66/119L	15.6	4.5	20.1	DEPARTURE	16.9	3.2	EXISTING	TO REMAIN	
352	ROAD +15	79+58/252R 83+31/110L	11.0	15.0	26.0	DEPARTURE	23.0	3.0	EXISTING	TO REMAIN	
353	TERRAIN	79+58/201R 81+08/482R	*31.0	0	*31.0	DEPARTURE	18.0	13.0	EXISTING	TO REMAIN	
354	TERRAIN	178+50/2918L	276.0	0	276.0	DEPARTURE	265.0	11.0	EXISTING	TO REMAIN	

DEPARTURE SURFACE OBSTACLES (RUNWAY 23)

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
1	POLE	−13+20/396R	65.2	27.9	93.1	DEPARTURE	56.7	36.4	EXISTING	TO REMAIN	
2	POLE	−13+43/361R	69.9	29.1	99.0	DEPARTURE	57.3	41.7	EXISTING	TO REMAIN	
(*) 3	POLE	−17+05/187L	81.5	25	106.5	DEPARTURE	66.7	39.8	EXISTING	TO REMAIN	
4	POLE	−16+30/58L	76.7	28.3	105.0	DEPARTURE	64.5	40.5	EXISTING	TO REMAIN	
5	POLE	−17+92/322L	92.4	21.4	113.8	DEPARTURE	68.6	45.2	EXISTING	TO REMAIN	
6	POLE	−18+39/417L	105.4	24.1	129.5	DEPARTURE	70.5	59.0	EXISTING	TO REMAIN	
7	TACAN TOWER	−43+61/396R	378.7	34.2	412.9	DEPARTURE	132.8	280.1	EXISTING	TO REMAIN	
8	POLE	−44+49/469R	377.5	38.6	416.1	DEPARTURE	134.6	281.5	EXISTING	TO REMAIN	
9	RADAR DOME	−45+37/413R	366.7	28.4	395.1	DEPARTURE	137.2	257.9	EXISTING	TO REMAIN	
10	DME ANTENNA	−45+82/402R	366.3	28.8	395.1	DEPARTURE	138.3	256.8	EXISTING	TO REMAIN	
(*) 11	NDB TOWER	−44+75/0	327.0	70.0	397.0	DEPARTURE	135.6	261.4	EXISTING	TO REMAIN	
(*) 12	NDB SHELTER	−46+25/0	327.0	70.0	397.0	DEPARTURE	139.4	257.6	EXISTING	TO REMAIN	
(*) 13	NDB TOWER	−47+75/0	327.0	70.0	397.0	DEPARTURE	143.1	253.9	EXISTING	TO REMAIN	
16	POLE	−8+87/771L	125.9	18.2	144.1	DEPARTURE	45.9	98.2	EXISTING	TO REMAIN	
18	POLE	−22+06/898L	150.5	18.5	169.0	DEPARTURE	78.9	90.1	EXISTING	TO REMAIN	
34	TANK	−39+84/1512R	277.0	35.4	312.4	DEPARTURE	123.3	189.1	EXISTING	TO REMAIN	
(*) 35	TANK	−40+37/1509R	277.0	35.0	312.0	DEPARTURE	124.7	187.3	EXISTING	TO REMAIN	
(*) 36	TANK	−39+96/1460R	277.0	35.0	312.0	DEPARTURE	123.7	208.3	EXISTING	TO REMAIN	
40	POLE	−31+67/1174L	150.7	18.9	169.6	DEPARTURE	102.9	66.7	EXISTING	TO REMAIN	
41	POLE	−22+92/1034L	154.5	15.1	169.6	DEPARTURE	81.1	88.5	EXISTING	TO REMAIN	
105	POLE	−14+26/239R	57.7	26.0	83.7	DEPARTURE	59.4	24.3	EXISTING	TO REMAIN	
106	POLE	−21+22/777L	144.1	16.7	160.8	DEPARTURE	76.8	84.0	EXISTING	TO REMAIN	
137	POLE	−14+81/157R	62.0	24.6	86.6	DEPARTURE	60.8	25.8	EXISTING	TO REMAIN	
138	POLE	−15+43/71R	63.4	29.6	93.0	DEPARTURE	62.3	30.7	EXISTING	TO REMAIN	
209	BUILDING	−35+54/1024R	273.9	23.1	297.0	DEPARTURE	112.6	184.4	EXISTING	TO REMAIN	
355	TERRAIN	1+70/3233L −100+23/3233R	*471.0	0	*471.0	DEPARTURE	273.0	198.0	EXISTING	TO REMAIN	
356	TERRAIN	1+36/485R	41.0	0	41.0	DEPARTURE	19.0	22.0	EXISTING	TO REMAIN	
357	ROAD+15	−14+62/927R −2+89/613L	53.0	15	68.0	DEPARTURE	51.0	17.0	EXISTING	TO REMAIN	

(*) DATA ESTIMATED

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

ULTIMATE DEPARTURE, APPROACH SITING & OFZ - DATA TABLES

DATE: AUGUST 2015

SHEET: 17 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 5/08/2017 - 1:35 PM
Layout Name: 18-DATA
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-U-DEPT-P&P.dwg

SIGNIFICANT OBJECTS

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
100	POLE	86+71/1091L	13.6	55.4	69.0	NONE	N/A	N/A	EXISTING	TO REMAIN	
101	POLE	86+60/1130L	13.7	55.4	69.1				EXISTING	TO REMAIN	
102	POLE	86+49/1170L	13.7	55.5	69.2				EXISTING	TO REMAIN	
103	POLE	82+89/1039L	14.3	36.6	50.9				EXISTING	TO REMAIN	
104	POLE	86+71/1082L	13.5	57.6	71.1				EXISTING	TO REMAIN	
105	POLE	−14+26/239R	57.7	26.0	83.7				EXISTING	TO REMAIN	
106	POLE	−21+22/777L	144.1	16.7	160.8				EXISTING	TO REMAIN	
(*) 107	WIND CONE	73+59/556R	12	8	20				EXISTING	TO REMAIN	
108	NOT USED										
109	POLE	55+85/807L	10.6	12.1	22.7				EXISTING	TO REMAIN	
110	POLE	51+09/1616L	60.8	37.1	97.9				EXISTING	TO REMAIN	
111	POLE	49+81/1391L	69.6	28.1	97.7				EXISTING	TO REMAIN	
112	POLE	48+77/1300L	72.7	4.7	77.4				EXISTING	TO REMAIN	
113	LIGHTED WIND CONE	31+93/506R	14.5	19.3	33.8				EXISTING	LIGHTED	
114	WIND CONE	6+01/350R	14.2	17.8	32.0				EXISTING	TO REMAIN	
(*) 115	ROTATING BEACON	30+45/1425R	15.3	30	45.3						
116	NOT USED										
117	NOT USED										
118	POLE	−27+21/1093L	149.1	15.2	164.3				EXISTING	TO REMAIN	
119	NOT USED										
120	SIGN	9+92/3139R	7.6	4.4	12.0				EXISTING	TO REMAIN	
121	POLE	−21+23/4086R	52.0	24.9	76.9				EXISTING	TO REMAIN	
122	POLE	−17+44/5508R	5.5	17.1	22.6				EXISTING	TO REMAIN	
123	POLE	−23+90/5763R	44.0	23.6	67.6				EXISTING	TO REMAIN	
124	POLE	−18+21/5391R	25.6	21.3	46.9				EXISTING	TO REMAIN	
125	POLE	−7+63/6390R	16.1	48.1	64.2				EXISTING	TO REMAIN	
126	POLE	−7+99/6508R	15.7	38.0	53.7				EXISTING	TO REMAIN	
127	POLE	−8+32/6618R	11.8	38.4	50.2				EXISTING	TO REMAIN	
128	POLE	−8+65/6721R	8.8	39.7	48.5				EXISTING	TO REMAIN	
129	POLE	−9+53/6681R	10.0	39.2	49.2				EXISTING	TO REMAIN	
130	POLE	−83+04/10015R	263.2	28.4	291.6				EXISTING	TO REMAIN	
131	POLE	−81+35/10143R	250.0	25.0	275.0				EXISTING	TO REMAIN	
132	POLE	−79+70/10262R	228.2	24.3	252.5				EXISTING	TO REMAIN	
133	POLE	−77+48/10429R	202.9	26.1	229.0				EXISTING	TO REMAIN	
134	NOT USED										
135	POLE	45+75/1108L	56.7	37.0	93.7				EXISTING	TO REMAIN	
136	LOCALIZER	−6+34/2L	31.8	6.5	38.3				EXISTING	TO REMAIN	
137	POLE	−14+81/157R	62.0	24.6	86.6				EXISTING	TO REMAIN	
138	POLE	−15+43/71R	63.4	29.6	93.0				EXISTING	TO REMAIN	
139	POLE	−84+31/9923R	278.7	28.0	306.7				EXISTING	TO REMAIN	
140	ELECTRICAL EQUIPMENT	39+50/479R	11.4	7.1	18.5	NONE	N/A	N/A	EXISTING	TO REMAIN	

(*) DATA ESTIMATED

NOTE:

1. STATION AND OFFSET BASED ON RUNWAY 5−23
2. ITEMS IN THIS TABLE WERE IDENTIFIED IN THE AERONAUTICAL SURVEY AS SAFETY CRITICAL OBJECTS BUT DO NOT PENETRATE ANY PART 77, AC 50/5300−13A DESIGN OR SITING SURFACES. ONLY OBJECTS WITHIN THE APPROACH SURFACE FOOTPRINTS ARE LABELED ON THE PLANS

BUILDINGS

NO.	DESCRIPTION	STA & OFFSET	ELEV	STATUS	OBSTRUCTION LIGHT
200	BUILDING	46+13/1316L	79.0	UNKNOWN	NOT REQUIRED
201	CONTROL TOWER & OPERATIONS	27+47/1163R	75.4	NON−OP	LIGHTED
202	OMD HANGER	20+49/2396R	71.2	IN SERVICE	LIGHTED
203	HOUSING	−13+58/2844R	75.0 (EST)	IN SERVICE	NOT REQUIRED
204	NOT USED				
205	NOT USED				
206	DORMITORY	−23+30/5665R	63.3	UNKNOWN	NOT REQUIRED
207	NOT USED				
208	DORMITORY	−20+31/5545R	54.6	UNKNOWN	NOT REQUIRED
209	BUILDING	−35+54/1024R	297.0	UNKNOWN	
210	BERING BARRACKS COMPLEX	−29+91/1919L	170.2	NON−OP	
211	CHURCH	−33+88/2296R	183.5	UNKNOWN	
212	BUILDING	−41+44/2457R	181.6	UNKNOWN	
213	BUILDING	−37+37/2752R	224.9	UNKNOWN	
214	BUILDING	25+85/7328L	452.9	UNKNOWN	
215	BUILDING	37+82/6985L	410.2	UNKNOWN	
216	BUILDING	39+62/6799L	441.1	UNKNOWN	
217	BUILDING	41+60/7005L	431.2	UNKNOWN	
218	BUILDING	42+52/6864L	424.9	UNKNOWN	
219	BUILDING	42+83/6697L	431.9	UNKNOWN	
220	AIR TERMINAL	9+79/4305R	UNKNOWN	IN SERVICE	LIGHTED
221	FUEL STORAGE	11+87/3765R	UNKNOWN	NON−OP	
222	VP HANGER	17+24/3110R	UNKNOWN	IN SERVICE	LIGHTED
223	ARFF STATION	29+94/1505R	UNKNOWN	IN SERVICE	NOT REQUIRED
224	BALLOON LAUNCH BUILDING	32+42/1265R	UNKNOWN	NON−OP	NOT REQUIRED
(*) 225	APPROACH LIGHTING CONTROL BLDG	80+06/103R	UNKNOWN	IN SERVICE	NOT REQUIRED
(*) 226	GLIDE SLOPE & AWOS SHELTER	70+37/315L	21.0	IN SERVICE	LIGHTED
(*) 227	LOCALIZER SHELTER	−6+14/218R	34.6	IN SERVICE	NOT REQUIRED
228	YAKATAT HANGER	−5+83/1420R	UNKNOWN	UNKNOWN	
229	POWER PLANT #3	−15+64/2295R	UNKNOWN	IN SERVICE	
230	NOT USED				
231	BIRCHWOOD BARRACKS COMPLEX	32+97/2009R	UNKNOWN	NON−OP	
232	HOSPITAL	29+08/2687R	UNKNOWN	NON−OP	
233	STEAM PLANT	32+32/2430R	UNKNOWN	IN SERVICE	
234	MEDICAL CLINIC	29+78/3714R	UNKNOWN	UNKNOWN	
235	RECREATION CENTER	26+72/3970R	UNKNOWN	UNKNOWN	
236	PERSONNEL SUPPORT CENTER	29+97/4357R	UNKNOWN	UNKNOWN	
237	HIGH SCHOOL & CITY ADMIN	16+85/4967R	UNKNOWN	UNKNOWN	
238	ELEMENTRY SCHOOL	22+05/5265R	UNKNOWN	IN SERVICE	
239	PUBLIC WORKS	20+93/6103R	UNKNOWN	INSERVICE	
240	SEWAGE TREATMENT FACILITY	33+58/7333R	UNKNOWN	INSERVICE	

NOTES:

1. SOME BUILDINGS ARE NOT LOCATED WITHIN THE TERMINAL AREA.
2. REFER TO SIGNIFICANT OBJECT TABLE FOR OBJECTS THAT ARE NOT PENETRATIONS.
3. REFER TO SURFACE PENETRATION TABLES FOR BUILDING PENETRATION DATA.
4. STATIONS/OFFSETS IN THIS TABLE ARE BASED ON RUNWAY 5/23.

BY	DATE	REVISION
	4/4/2017	AS−BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

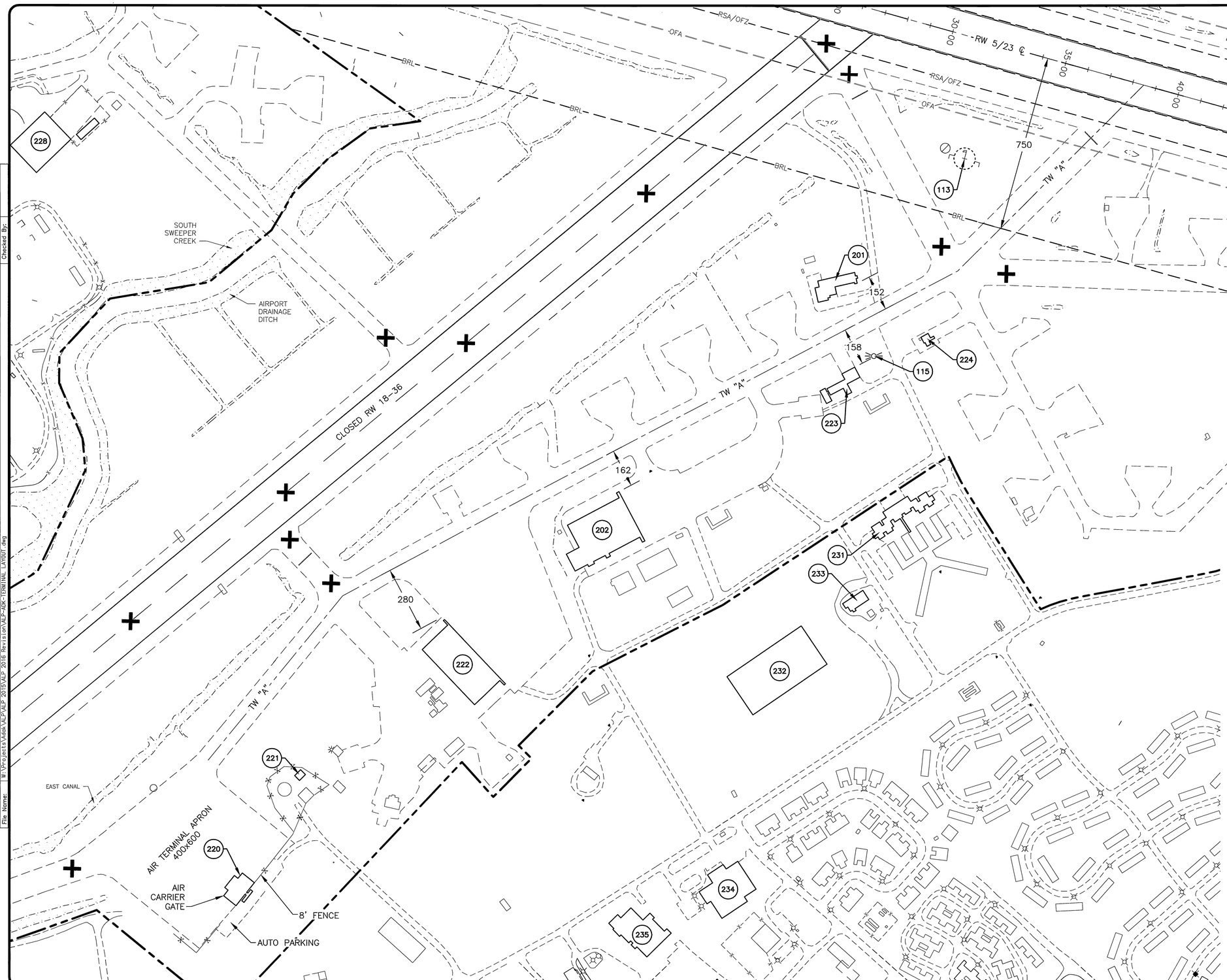
SIGNIFICANT OBJECTS & BUILDING TABLES

DATE: AUGUST 2015

SHEET: 18 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017, 1:36 PM
Layout Name: 19-DATA
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-U-DEPT-P&P.dwg



NOTE:

1. SEE BUILDING DATA TABLE FOR OBJECT ID NUMBER
2. TRANSITIONAL SURFACE HEIGHT ABOVE PRIMARY SURFACE @ BRL= 71'

MAG. DEC. = 09°32'56"E 2014

200 100 0' 200 400

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

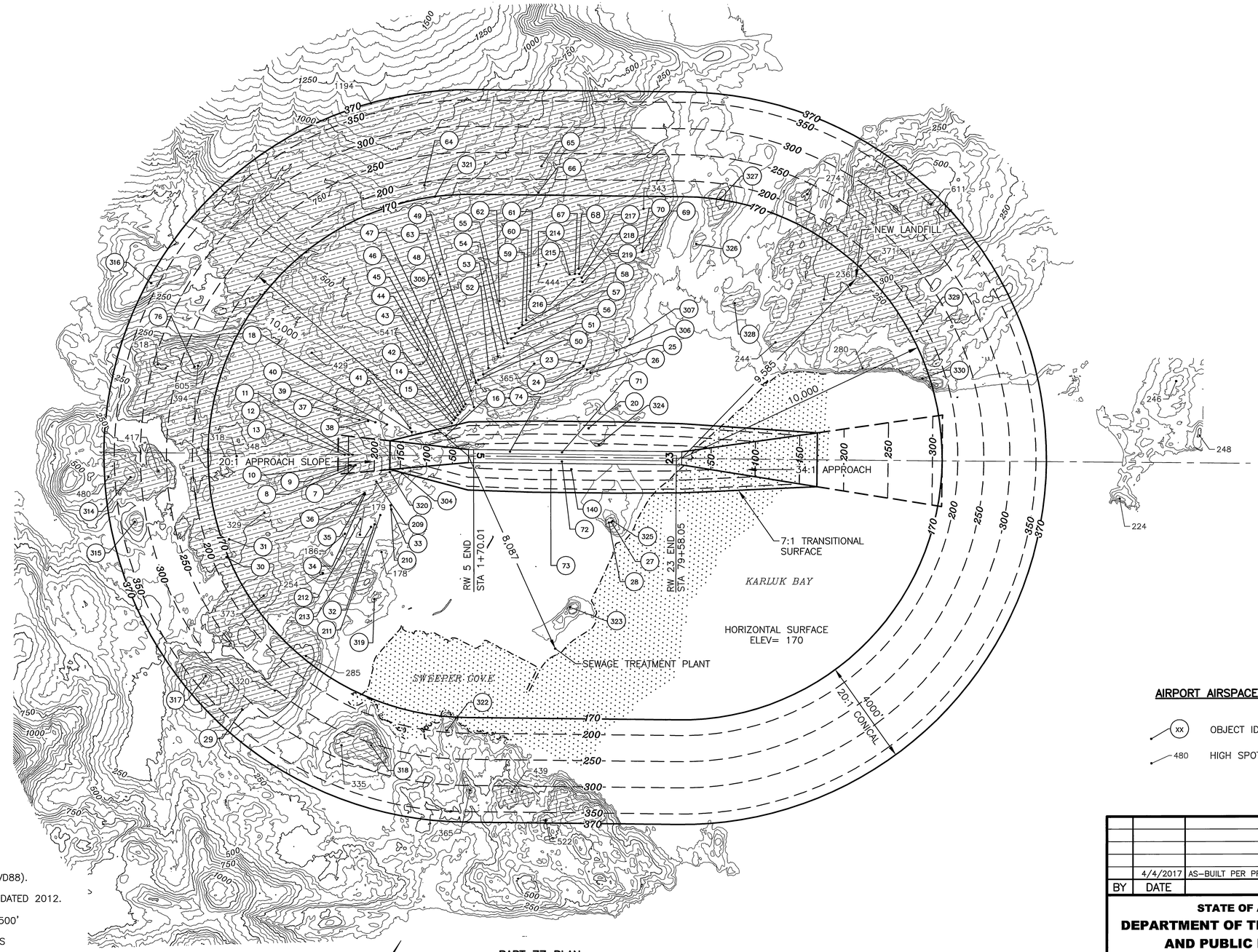
TERMINAL AREA

DATE: AUGUST 2015

SHEET: 19 OF 24

Designed By: .18
Drawn By:
Checked By:

Date Plotted: 5/08/2017, 1:44 PM
Layout Name: 20-TERM
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-TERMINAL LAYOUT.dwg



AIRPORT AIRSPACE LEGEND:

(XX) OBJECT ID NUMBER

480 HIGH SPOT ELEVATION

NOTES:

1. AIRPORT ELEVATION IS 20' (SURVEYED) (NAVD88).
2. MAPPING BASED ON AERONAUTICAL SURVEY DATED 2012.
3. PRIMARY SURFACE WIDTH RUNWAY 5/23 = 500'
4. THERE ARE NO KNOWN HEIGHT RESTRICTIONS
5. CONTOUR INTERVAL 50'
6. REFER TO INNER PORTION OF THE APPROACH DRAWINGS FOR CLOSE IN OBSTRUCTIONS
7. SEE PART 77 SURFACE OBSTRUCTION DATA ON SHTS 22–23

PART 77 PLAN

2000 1000 0' 2000 4000

ULTIMATE APPROACH SURFACE DIMENSIONS	
RUNWAY 5	500 X 1,500 X 5,000 X 20:1
RUNWAY 23	500 X 3,500 X 10,000 X 34:1

APPROACH SURFACES BEGIN 200' OUTBOARD OF RUNWAY ENDS

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

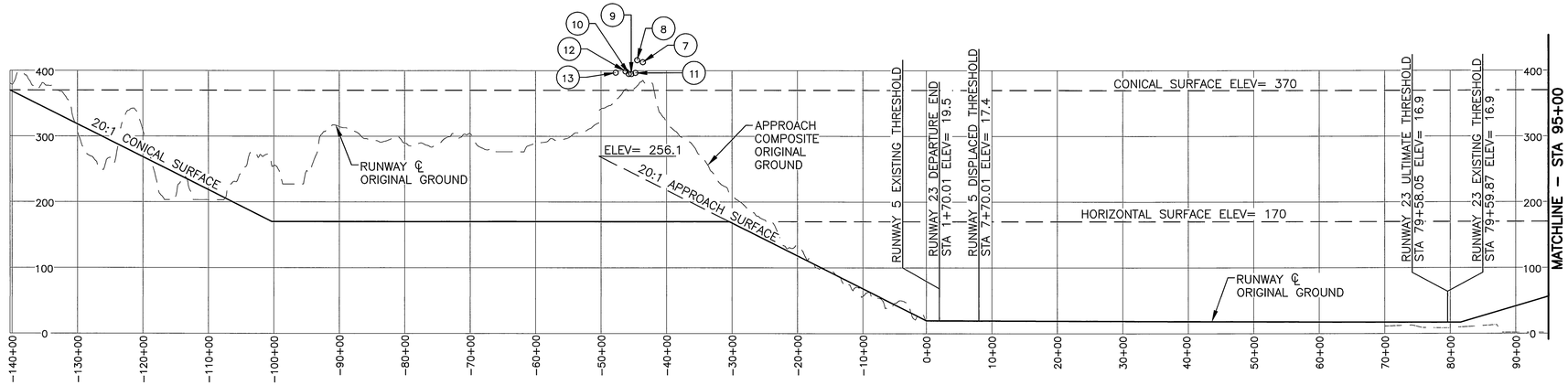
AIRPORT AIRSPACE, 14 CFR, PART 77

DATE: AUGUST 2015

SHEET: 20 OF 24

Designed By:
Drawn By:
Checked By:

Date Plotted: 5/08/2017, 2:06 PM
Layout Name: 19-P77
File Name: W:\Projects\Adak\VALP\ALP 2015\VALP 2016 Revision\VALP-ADK-PART 77.dwg

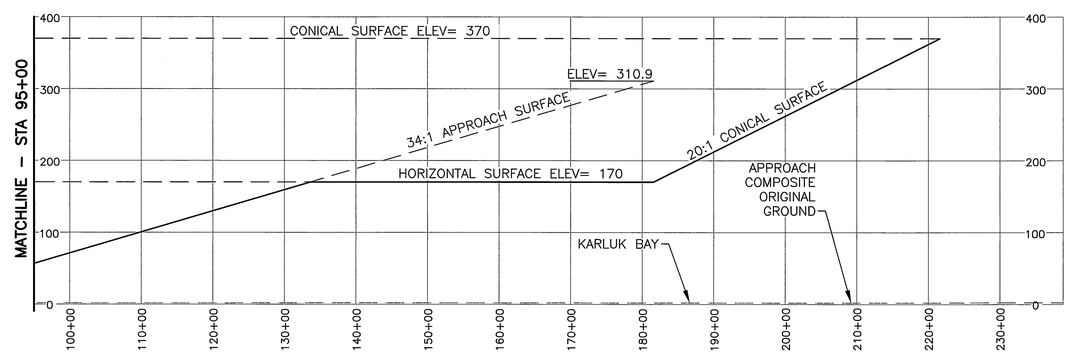


RUNWAY 5–23 PART 77 PROFILE

STA –140+29.99 TO STA 95+00

1000 500 0' 1000 2000

HORIZONTAL: VERTICAL = 1" = 100'



RUNWAY 5–23 PART 77 PROFILE

STA 95+00 TO STA 330+00

1000 500 0' 1000 2000

HORIZONTAL: VERTICAL = 1" = 100'

BY	DATE	REVISION
	4/4/2017	AS–BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT AIRSPACE, 14 CFR, PART 77
RUNWAY 23 APPROACH

DATE: AUGUST 2015

SHEET: 21 OF 24

Designed By:
Drawn By:
Checked By:
Date Plotted: 5/08/2017 - 2:06 PM
Layout Name: 22-P77
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-PART 77.dwg

PART 77 SURFACE OBSTRUCTIONS

	ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
	1	POLE	−13+20/396R	65.2	27.9	93.1	TRANSITIONAL	86.5	6.6	EXISTING	TO REMAIN	
	2	POLE	−13+43/361R	69.9	29.1	99.0	RW 5 APPROACH	85.1	13.9	EXISTING	TO REMAIN	
⊛	3	POLE	−17+05/187L	81.5	25	106.5	RW 5 APPROACH	103.3	3.2	EXISTING	TO REMAIN	
	4	POLE	−16+30/58L	76.7	28.3	105.0	RW 5 APPROACH	99.5	5.5	EXISTING	TO REMAIN	
	5	POLE	−17+92/322L	92.4	21.4	113.8	RW 5 APPROACH	107.6	6.2	EXISTING	TO REMAIN	
	6	POLE	−18+39/417L	105.4	24.1	129.5	RW 5 APPROACH	111.4	18.1	EXISTING	TO REMAIN	
	7	TACAN TOWER	−43+61/396R	378.7	34.2	412.9	HORIZONTAL	170.0	242.9	EXISTING	TO REMAIN	
	8	POLE	−44+35/444R	377.5	38.6	416.1	HORIZONTAL	170.0	246.1	EXISTING	TO REMAIN	
	9	RADAR DOME	−45+37/413R	366.7	28.4	395.1	HORIZONTAL	170.0	225.1	EXISTING	TO REMAIN	
	10	DME ANTENNA	−45+82/402R	366.3	28.8	395.1	HORIZONTAL	170.0	225.1	EXISTING	TO REMAIN	
⊛	11	NDB TOWER	−44+75/0	327.0	70.0	397.0	HORIZONTAL	170.0	227.0	EXISTING	TO REMAIN	
⊛	12	NDB SHELTER	−46+25/0	327.0	70.0	397.0	HORIZONTAL	170.0	327.0	EXISTING	TO REMAIN	
⊛	13	NDB TOWER	−47+75/0	327.0	70.0	397.0	HORIZONTAL	170.0	327.0	EXISTING	TO REMAIN	
	14	POLE	−5+93/1369L	163.4	9.4	172.8	HORIZONTAL	170.0	2.8	EXISTING	TO REMAIN	
	15	POLE	−6+79/1247L	160.2	16.9	177.1	HORIZONTAL	170.0	7.1	EXISTING	TO REMAIN	
	16	POLE	−8+87/771L	125.9	18.2	144.1	TRANSITIONAL	124.5	19.6	EXISTING	TO REMAIN	
	17	NOT USED										
	18	POLE	−22+06/898L	150.5	18.5	169.0	HORIZONTAL	170.0	1 ∧	EXISTING	TO REMAIN	
	19	NOT USED										
	20	REIL	79+67/119L	15.4	4.7	20.1	PRIMARY	16.9	3.2	EXISTING	FRANGIBLE	
	21	REIL	79+66/119R	15.6	4.5	20.1	PRIMARY	16.9	3.2	EXISTING	FRANGIBLE	
	22	NOT USED										
	23	POLE	42+19/3604L	270.2	24.5	294.7	HORIZONTAL	170.0	124.7	EXISTING	TO REMAIN	
	24	POLE	43+56/3476L	250.9	25.0	275.9	HORIZONTAL	170.0	105.9	EXISTING	TO REMAIN	
	25	POLE	44+92/3347L	227.9	23.4	251.3	HORIZONTAL	170.0	81.3	EXISTING	TO REMAIN	
	26	POLE	46+29/3223L	186.2	27.5	213.7	HORIZONTAL	170.0	43.7	EXISTING	TO REMAIN	
	27	TANK	54+85/2472R	213.8	39.0	252.8	HORIZONTAL	170.0	82.8	EXISTING	TO REMAIN	
	28	TANK	53+89/2489R	214.4	38.4	252.8	HORIZONTAL	170.0	82.8	EXISTING	TO REMAIN	
	29	POLE	−86+11/9793R	309.1	27.4	336.5	CONICAL	321.0	15.5	EXISTING	TO REMAIN	
	30	BUNKER	−92+69/3967R	304.8	10.6	315.4	CONICAL	172.8	142.6	EXISTING	TO REMAIN	
	31	BUNKER	−91+86/3278R	294.8	15.3	310.1	HORIZONTAL	170.0	140.1	EXISTING	TO REMAIN	
	32	POLE	−36+01/2653R	154.6	26.2	180.8	HORIZONTAL	170.0	10.8	EXISTING	TO REMAIN	
	33	POLE	−29+67/2073R	128.2	44.4	172.6	HORIZONTAL	170.0	2.6	EXISTING	TO REMAIN	
	34	TANK	−39+84/1512R	277.0	35.4	312.4	HORIZONTAL	170.0	142.4	EXISTING	TO REMAIN	
⊛	35	TANK	−40+37/1509R	277.0	35.0	312.0	HORIZONTAL	170.0	142.0	EXISTING	TO REMAIN	
⊛	36	TANK	−39+96/1460R	277.0	35.0	312.0	HORIZONTAL	170.0	142.0	EXISTING	TO REMAIN	
	37	POLE	−42+26/1334L	176.6	27.3	203.9	HORIZONTAL	170.0	33.9	EXISTING	TO REMAIN	
	38	POLE	−38+91/1299L	166.5	11.1	177.6	HORIZONTAL	170.0	7.6	EXISTING	TO REMAIN	
	39	POLE	−36+13/1253L	161.7	18.2	179.9	HORIZONTAL	170.0	9.9	EXISTING	TO REMAIN	
	40	POLE	−31+67/1174L	150.7	18.9	169.6	HORIZONTAL	170.0	1 ∧	EXISTING	TO REMAIN	
	41	POLE	−22+92/1034L	154.5	15.1	169.6	HORIZONTAL	170.0	1 ∧	EXISTING	TO REMAIN	
	42	POLE	−5+35/1451L	166.6	21.6	188.2	HORIZONTAL	170.0	18.2	EXISTING	TO REMAIN	
	43	POLE	−4+55/1561L	172.4	22.7	195.1	HORIZONTAL	170.0	25.1	EXISTING	TO REMAIN	
	44	POLE	−3+74/1676L	176.8	22.2	199.0	HORIZONTAL	170.0	29.0	EXISTING	TO REMAIN	
	45	POLE	−3+04/1775L	177.0	19.4	196.4	HORIZONTAL	170.0	26.4	EXISTING	TO REMAIN	
	46	POLE	−2+32/1880L	182.9	23.7	206.6	HORIZONTAL	170.0	36.6	EXISTING	TO REMAIN	
	47	POLE	−1+61/1978L	180.4	25.9	206.3	HORIZONTAL	170.0	36.3	EXISTING	TO REMAIN	
	48	POLE	0+41/2489L	212.9	28.6	241.5	HORIZONTAL	170.0	71.5	EXISTING	TO REMAIN	
	49	POLE	2+26/2797L	251.8	16.7	268.5	HORIZONTAL	170.0	98.5	EXISTING	TO REMAIN	
	50	POLE	3+21/2911L	267.5	24.7	292.2	HORIZONTAL	170.0	122.2	EXISTING	TO REMAIN	

PART 77 SURFACE OBSTRUCTIONS CONTINUED

	ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
	51	POLE	5+04/3129L	297.6	22.9	320.5	HORIZONTAL	170.0	150.5	EXISTING	TO REMAIN	
	52	POLE	7+05/3366L	323.8	21.9	345.7	HORIZONTAL	170.0	175.7	EXISTING	TO REMAIN	
	53	POLE	10+64/3818L	349.4	13.8	363.2	HORIZONTAL	170.0	193.2	EXISTING	TO REMAIN	
	54	POLE	12+89/4126L	344.4	29.5	373.9	HORIZONTAL	170.0	203.9	EXISTING	TO REMAIN	
	55	POLE	14+29/4319L	379.4	27.0	376.4	HORIZONTAL	170.0	206.4	EXISTING	TO REMAIN	
	56	POLE	15+67/4507L	371.4	26.6	398.0	HORIZONTAL	170.0	228.0	EXISTING	TO REMAIN	
	57	POLE	17+12/4701L	383.1	27.0	410.1	HORIZONTAL	170.0	240.1	EXISTING	TO REMAIN	
	58	POLE	18+54/4900L	380.7	29.4	410.1	HORIZONTAL	170.0	240.1	EXISTING	TO REMAIN	
	59	POLE	19+82/5038L	370.4	30.9	401.3	HORIZONTAL	170.0	231.3	EXISTING	TO REMAIN	
	60	POLE	21+38/5217L	362.9	26.3	389.2	HORIZONTAL	170.0	219.2	EXISTING	TO REMAIN	
	61	POLE	22+83/6314L	419.9	70.5	490.4	HORIZONTAL	170.0	320.4	EXISTING	TO REMAIN	
	62	POLE	10+99/5940L	405.3	32.3	437.6	HORIZONTAL	170.0	267.6	EXISTING	TO REMAIN	
	63	POLE	−11+94/6930L	580.4	23.1	603.5	HORIZONTAL	170.0	433.5	EXISTING	TO REMAIN	
	64	POLE	−18+20/10326L	804.4	24.7	829.1	CONICAL	194.0	635.1	EXISTING	TO REMAIN	
	65	TANK	26+67/11100L	626.8	15.1	641.9	CONICAL	225.0	416.9	EXISTING	TO REMAIN	
	66	POLE	25+60/10092L	539.4	10.8	550.2	CONICAL	174.6	375.6	EXISTING	TO REMAIN	
	67	POLE	39+86/7003L	405.2	60.6	465.8	HORIZONTAL	170.0	295.8	EXISTING	TO REMAIN	
	68	POLE	41+29/7206L	401.5	51.9	453.4	HORIZONTAL	170.0	283.4	EXISTING	TO REMAIN	
⊛	69	TANK	66+07/7928L	222.0	23.0	245.0	HORIZONTAL	170.0	75.0	EXISTING	TO REMAIN	
	70	TANK	65+58/7879L	214.9	23.2	238.1	HORIZONTAL	170.0	68.1	EXISTING	TO REMAIN	
	71	SIGN	35+60/180L	8.4	4.5	12.9	PRIMARY	11.1	1.8	EXISTING	FRANGIBLE	
	72	SIGN	35+79/133R	9.0	4.0	13.0	PRIMARY	11.1	1.9	EXISTING	FRANGIBLE	
	73	SIGN	31+45/487R	14.2	4.5	18.7	PRIMARY	11.1	7.6	EXISTING	FRANGIBLE	
	74	SIGN	15+60/178L	10.8	4.7	15.5	PRIMARY	13.2	2.3	EXISTING	FRANGIBLE	
	75	ANTENNA, GUIDE SLOPE	70+58/324L	11.1	38.2	49.3	TRANSITIONAL	25.1	24.2	EXISTING	TO REMAIN	
	76	CELL TOWER	−105+81/3297L	602.5	66.2	668.7	CONICAL	222.7	446.0	EXISTING	TO REMAIN	

⊛ DATA ESTIMATED
∧ ELEVATION DIFFERENCE BELOW DATA CONFIDENCE THRESHOLD
NOTE: STATION AND OFFSET BASED ON RUNWAY 5−23

BY	DATE	REVISION
	4/4/2017	AS−BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT AIRSPACE, 14 CFR, PART 77
DATA TABLES

DATE: AUGUST 2015
SHEET: 22 OF 24

Designed By:
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PART 77 SURFACE OBSTRUCTIONS CONTINUED

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
209	BUILDING	−35+54/1024L	273.9	23.1	297.0	HORIZONTAL	170.0	127.0	EXISTING	TO REMAIN	
210	BARRACKS COMPLEX	−29+91/1919L	127.3	42.9	170.2	HORIZONTAL	170.0	0.2	EXISTING	TO REMAIN	
211	CHURCH	−33+88/2296L	134.4	47.1	183.5	HORIZONTAL	170.0	13.5	EXISTING	TO REMAIN	
212	BUILDING	−41+44/2457L	161.4	20.2	181.6	HORIZONTAL	170.0	11.6	EXISTING	TO REMAIN	
213	BUILDING	−37+37/2752L	156.5	68.4	224.9	HORIZONTAL	170.0	54.9	EXISTING	TO REMAIN	
214	BUILDING	25+85/7328R	428.9	24.0	452.9	HORIZONTAL	170.0	282.9	EXISTING	TO REMAIN	
215	BUILDING	37+82/6985R	398.6	11.6	410.2	HORIZONTAL	170.0	240.2	EXISTING	TO REMAIN	
216	BUILDING	39+62/6799R	409.0	32.1	441.1	HORIZONTAL	170.0	271.1	EXISTING	TO REMAIN	
217	BUILDING	41+60/7005R	409.4	21.8	431.2	HORIZONTAL	170.0	261.2	EXISTING	TO REMAIN	
218	BUILDING	42+52/6864R	408.7	16.2	424.9	HORIZONTAL	170.0	254.9	EXISTING	TO REMAIN	
219	BUILDING	42+83/6697R	405.4	26.5	431.9	HORIZONTAL	170.0	261.9	EXISTING	TO REMAIN	

PART 77 SURFACE OBSTRUCTIONS CONTINUED

ID #	DESCRIPTION	STATION/ OFFSET	GRD ELEV	AGL	TOP ELEV	SURFACE PENETRATED	SURFACE ELEV	AMOUNT PENETRATION	TRIGGER EVENT	DISPOSITION	STAGE TO CORRECT
300	ROAD+15	−20+49/720L −16+56/191L	140.2	15.0	155.2	RW 5 APPROACH/ TRANSITIONAL	114.3	40.9	EXISTING	TO REMAIN	
301	ROAD+15	−10+16/204L 0+13/675I	74.8	15.0	89.8	RW 5 APPROACH/ TRANSITIONAL	41.6	48.2	EXISTING	TO REMAIN	
302	ROAD+15	78+88/322R 84+88/295L	11.6	15.0	26.6	RW 23 APPROACH/ PRIMARY/TRANSITIONAL	16.9	9.7	EXISTING	TO REMAIN	
303	NOT USED										
304	ROAD+15	−30+40/704R −25+96/188R	238.0	15.0	253.0	RW 5 APPROACH/ HORIZONTAL/ TRANSITIONAL	170.0	83.0	EXISTING	TO REMAIN	
305	ROAD+10	1+67/1870L	170.0	10.0	180.0	HORIZONTAL	170.0	10.0	EXISTING	TO REMAIN	
306	ROAD+15	−33+18/516L −35+59/1310L	170.0	15.0	185.0	HORIZONTAL	170.0	15.0	EXISTING	TO REMAIN	
307	ROAD+15	−23+70/1006L −43+38/1434L	170.0	15.0	185.0	HORIZONTAL	170.0	15.0	EXISTING	TO REMAIN	
308	TERRAIN	−15+62/208L	97.0	0	97.0	RW 5 APPROACH	96.0	1.0	EXISTING	TO REMAIN	
309	TERRAIN	−14+12/222L 6+00/900L	*80.0	0	*80.0	RW 5 APPROACH/ TRANSITIONAL	55.2	24.8	EXISTING	TO REMAIN	
310	TERRAIN	0+00/0	19.8	0	19.8	PRIMARY	19.5	0.3	EXISTING	TO REMAIN	
311	TERRAIN	3+29/426R	59.0	0	59.0	TRANSITIONAL	44.1	14.9	EXISTING	TO REMAIN	
312	TERRAIN	81+04/32L	19.4	0	19.4	PRIMARY	16.9	2.5	EXISTING	TO REMAIN	
313	TERRAIN	80+28/288R	31.6	0	31.6	PRIMARY	16.9	14.7	EXISTING	TO REMAIN	
314	TERRAIN	−140+36/218L −112+37/1843R	*474.0	0	*474.0	CONICAL	321.0	153.0	EXISTING	TO REMAIN	
315	TERRAIN	−128+12/2655R	353.0	0	353.0	CONICAL	324.0	31.0	EXISTING	TO REMAIN	
316	TERRAIN	−127+22/5862L −104+10/7560L	*433.0	0	*433.0	CONICAL	363.0	70.0	EXISTING	TO REMAIN	
317	TERRAIN	−111+67/10432R −56+06/6440R	*639.0	0	*639.0	CONICAL	327.0	312.0	EXISTING	TO REMAIN	
318	TERRAIN	−51+33/10227R −30+23/11923R	*426.0	0	*426.0	HORIZONTAL/ CONICAL	254.0	172.0	EXISTING	TO REMAIN	
319	TERRAIN	−35+81/5514L	198.0	0	198.0	HORIZONTAL	170.0	28	EXISTING	TO REMAIN	
320	TERRAIN	−30+40/105L −15+98/770R	*230.0	0	*230.0	RW 5 APPROACH/ TRANSITIONAL	170.0	60.0	EXISTING	TO REMAIN	
321	TERRAIN	−131+71/13998L 79+16/7592R	*777.0	0	*777.0	HORIZONTAL/ CONICAL	170.0	607.0	EXISTING	TO REMAIN	
322	TERRAIN	−8+35/10227R 53+80/14000R	*522.0	0	*522.0	CONICAL	365.0	157.0	EXISTING	TO REMAIN	
323	TERRAIN	39+25/5744R	205.0	0	205.0	HORIZONTAL	170.0	35.0	EXISTING	TO REMAIN	
324	TERRAIN	46+35/412L 51+78/710L	*82.0	0	*82.0	TRANSITIONAL	44.6	37.4	EXISTING	EXISTING	
325	TERRAIN	52+36/2066R 56+99/2766R	*227.0	0	*227.0	HORIZONTAL	170.0	57.0	EXISTING	TO REMAIN	
326	TERRAIN	84+99/8003L 90+26/8637L	*193.0	0	*193.0	HORIZONTAL	170.0	23.0	EXISTING	TO REMAIN	
327	TERRAIN	89+05/8856L 100+55/10527L	*268.0	0	*268.0	HORIZONTAL	170.0	98.0	EXISTING	TO REMAIN	
328	TERRAIN	96+36/5643L 110+58/6636L	*214.0	0	*214.0	HORIZONTAL	170.0	44.0	EXISTING	TO REMAIN	
329	TERRAIN	112+86/11614L 192+12/3323L	*234.0	0	*234.0	HORIZONTAL/ CONICAL	183.0	51.0	EXISTING	TO REMAIN	
330	TERRAIN	170+15/2745L 181+58/3376L	*276.0	0	*276.0	HORIZONTAL/ CONICAL	176.0	100.0	EXISTING	TO REMAIN	

* HIGHEST FEATURE IN A LARGE AREA OF TERRAIN PENETRATION. REFER TO HATCHED AREAS ON MAP.

(*) DATA ESTIMATED

∧ ELEVATION DIFFERENCE BELOW DATA CONFIDENCE THRESHOLD

NOTE: STATION AND OFFSET BASED ON RUNWAY 5–23

BY	DATE	REVISION
	4/4/2017	AS–BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

AIRPORT AIRSPACE, 14 CFR, PART 77
DATA TABLES

DATE: AUGUST 2015

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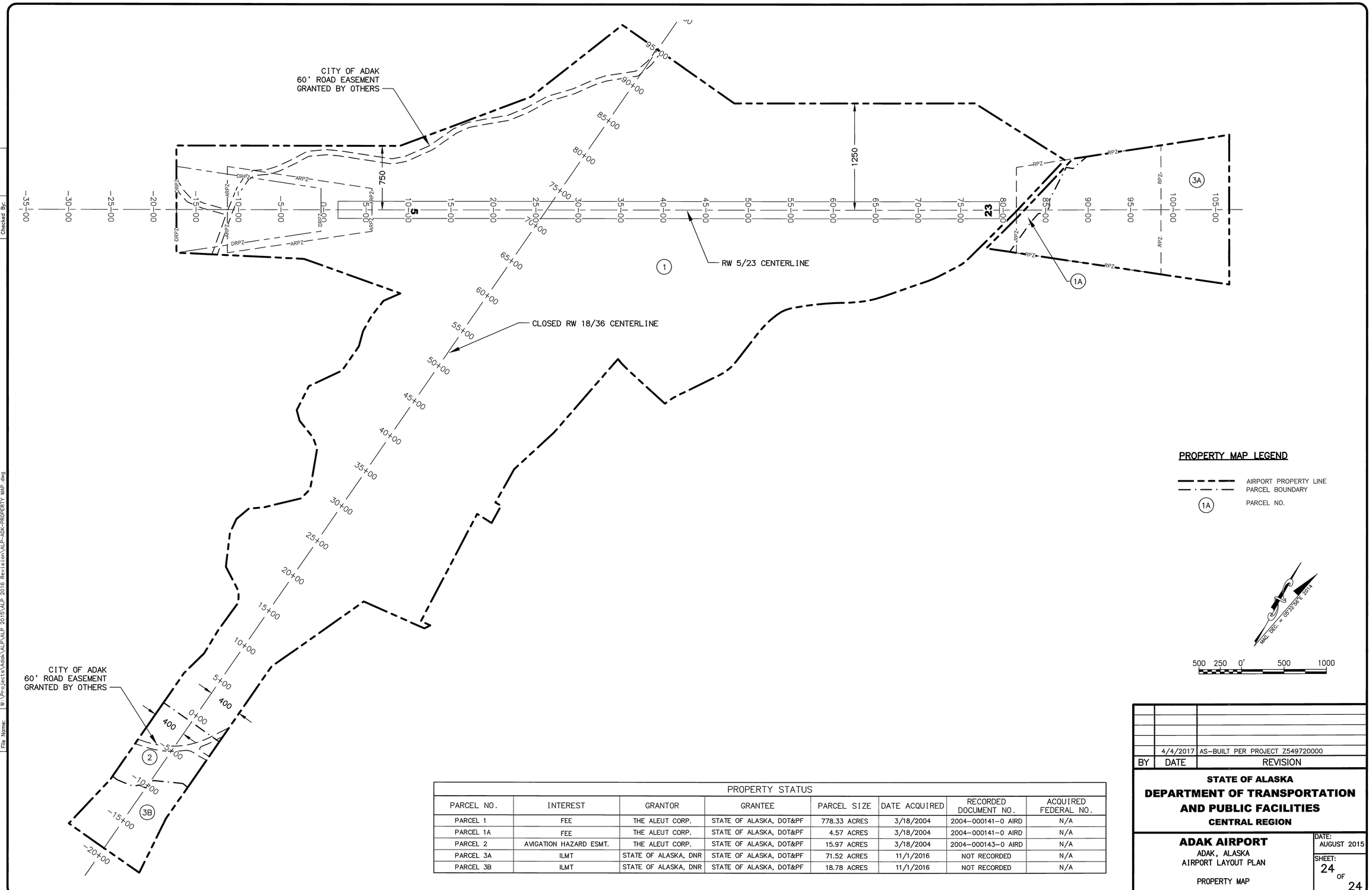

PROPERTY MAP LEGEND

AIRPORT PROPERTY LINE
PARCEL BOUNDARY
(1A) PARCEL NO.

BY	DATE	REVISION
	4/4/2017	AS-BUILT PER PROJECT Z549720000

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

ADAK AIRPORT
ADAK, ALASKA
AIRPORT LAYOUT PLAN

PROPERTY MAP

DATE: AUGUST 2015

SHEET: 24 OF 24

PROPERTY STATUS

PARCEL NO.	INTEREST	GRANTOR	GRANTEE	PARCEL SIZE	DATE ACQUIRED	RECORDED DOCUMENT NO.	ACQUIRED FEDERAL NO.
PARCEL 1	FEE	THE ALEUT CORP.	STATE OF ALASKA, DOT&PF	778.33 ACRES	3/18/2004	2004-000141-0 AIRD	N/A
PARCEL 1A	FEE	THE ALEUT CORP.	STATE OF ALASKA, DOT&PF	4.57 ACRES	3/18/2004	2004-000141-0 AIRD	N/A
PARCEL 2	AVIGATION HAZARD ESMT.	THE ALEUT CORP.	STATE OF ALASKA, DOT&PF	15.97 ACRES	3/18/2004	2004-000143-0 AIRD	N/A
PARCEL 3A	ILMT	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT&PF	71.52 ACRES	11/1/2016	NOT RECORDED	N/A
PARCEL 3B	ILMT	STATE OF ALASKA, DNR	STATE OF ALASKA, DOT&PF	18.78 ACRES	11/1/2016	NOT RECORDED	N/A

Designed By:
Drawn By:
Checked By:
Date Plotted: 5/08/2017, 2:11 PM
Layout Name: Sheet 1
File Name: W:\Projects\Adak\ALP\ALP 2015\ALP 2016 Revision\ALP-ADK-PROPERTY MAP.dwg