LOCATION MAP

COLDFOOT, ALASKA
USGS WISEMAN
(B-1)&(A-1), SEC 16
T28N, R12W, FM

VICINITY MAP

SCALE: 1" = 1 MILE

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

ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	67°15'07.84"N	150°12'13.96"W	N/A	SAME	SAME	SAME
RUNWAY 1 END	67°14'51.19"N	150°12'41.04"W	1033.63'	SAME	SAME	SAME
RUNWAY 19 END	67°15'24.50"N	150°11'46.89"W	1045.35'	SAME	SAME	SAME

PACS & SACS

PID	DESIGNATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION
DN5759	CXF 'A'	67°15'06.73"N	150°12'23.64"W	1063.18	4843804.01	1611164.05	1037.91	PACS
DN5760	CXF 'B'	67°15'22.67"N	150°12'01.02"W	1064.68	4845420.41	1612059.12	1039.40	SACS
DN5761	CXF 'C'	67°14'51.00"N	150°12'49.12"W	1054.31	4842208.34	1610156.19	1029.04	SACS

NOTES

1. THIS ALP DRAWING SET IS UPDATED BASED ON AN AIRPORT OBSTRUCTION CHART SURVEY (AOC) COMPLETED BY USKH INC. IN JUNE 2011 IN ACCORDANCE WITH FAA AC 150/5300-18B. THIS ALP WAS UPDATED IN ACCORDANCE WITH FAA AC 150/5300-13A IN FEBRUARY 2013.
2. VERTICAL DATUM IS NAVD 1988 USING GEOID09 AND REFERENCING PACS "CXF A"
3. HORIZONTAL DATUM IS NAD83 (2007). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 4, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.
4. NO WIND DATA AVAILABLE.

SHEET INDEX

SHEET NO.	TITLE
1	AIRPORT DATA
2	AIRPORT LAYOUT PLAN
3	TERMINAL PLAN
4	INNER PORTION OF APPROACH SURFACE
5	AIRPORT AIRSPACE (FAR PART 77)

LEGEND

ITEM	EXISTING	ULTIMATE
ANNTENNA		
APRON (GRAVEL)		
AIRPORT REFERENCE POINT		
BUILDING		
BUILDING RESTRICTION LINE (AIRPORT)	BRL	
BUILDING RESTRICTION LINE (PIPELINE)		
CENTER LINE		
CONTOUR	100	
FENCE		
FUEL TANK		
LIGHTING		
PAPI		
PIPELINE		
PROPERTY LINE		
REIL		
ROADWAY (GRAVEL)		
ROADWAY (ASPHALT)		
ROTATING BEACON		
RUNWAY (GRAVEL)		
RUNWAY OBJECT FREE AREA	OFA	
RUNWAY OBSTACLE FREE ZONE	OFZ	
RUNWAY SAFETY AREA	RSA	
RUNWAY PROTECTION ZONE	RPZ	
SEPTIC TANK & DRAINFIELD		
SHORLINE		
SURVEY MONUMENT		
TAXIWAY (GRAVEL)		
THRESHOLD LIGHTS		
UTILITY LIGHT POLE		
VEGETATION / TREE LINE		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

AIRPORT DATA

ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PACX	SAME
NATIONAL AIRPORT IDENTIFIER	CXF	SAME
FAA SITE NUMBER	50114.35*A	SAME
AIRPORT REFERENCE CODE (ARC)	B-II	SAME
AIRPORT ELEVATION (NAVD88)	1045.45'	SAME
MEAN MAX. TEMPERATURE, HOTTEST MONTH	73°F, JULY	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	AOC (SEE NOTES)	SAME
NPIAS SERVICE LEVEL (P, CS, R, GA)	GA	SAME
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE (EPOCH YEAR – 2010)	20°36'36"E, JUN 2010 24.6'W/YEAR	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	ROTATING BEACON, SEG. CIR., WINDCONE	ROTATING BEACON, SEG. CIR., WINDCONE, AWOS

RUNWAY 1-19 DATA

ITEM	EXISTING	ULTIMATE
FAR PART 77 APPROACH CATEGORY (UTILITY, OTHER THAN UTILITY)	OTHER THAN UTILITY	SAME
FAR PART 77 APPROACH TYPE (V, CIRCLING NPA, PA)	NPA	SAME
RUNWAY DESIGN CODE (RDC)	B-II-4000	SAME
RUNWAY REFERENCE CODE (RRC)	B-II-4000	SAME
FAR PART 77 APPROACH SLOPE	34:1	SAME
APPROACH TSS SLOPE	20:1	SAME
VISIBILITY MINIMUM	≥ 1 SM	SAME
RUNWAY SURFACE	GRAVEL	SAME
PAVEMENT STRENGTH (SW,DW,DTW,DDTW x1000lbs)	N/A	SAME
TRUE MEAN BEARING	N 32°10'42" E	SAME
EFFECTIVE GRADE	0.29%	SAME
RUNWAY TOUCHDOWN ZONE ELEVATIONS (NAVD 88)	RW 1: 1044.16'	SAME
	RW 19: 1045.45'	SAME
RUNWAY DIMENSIONS	100' x 4000'	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' x 4600'	SAME
RSA LENGTH BEYOND RW END	300'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1000'x500'x700'	SAME
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	500' x 4600'	SAME
ROFA LENGTH BEYOND RW END	300'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	250' x 4400'	SAME
PRECISION OBJECT FREE ZONE (POFZ) DIMENSIONS	N/A	SAME
RUNWAY LIGHTING TYPE	MIRL	SAME
RUNWAY MARKING TYPE	NONE	NONE
RUNWAY VISUAL APPROACH AIDS	ROTATING BEACON	SAME
RUNWAY LANDING AIDS	RNAV (GPS)	SAME

TAXIWAY DATA

ITEM	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP (TDG)	2	SAME
TAXIWAY WIDTH	35'	SAME
TAXIWAY SHOULDER WIDTH	10'	SAME
SEPARATION FROM PARALLEL RUNWAY	N/A	SAME
TAXIWAY SAFETY AREA (TSA) WIDTH	79'	SAME
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	131'	SAME
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING	NONE	SAME

NON-STANDARD CONDITIONS

ITEM	STANDARD	EXISTING	ULTIMATE
THRESHOLD LIGHTS	INBOARD (2-10' OFFSET)	INBOARD (0' OFFSET)	INBOARD (2-10' OFFSET)

DESIGN LLC
DRAWN TCK
CHECKED JGL

BY	DATE	REVISIONS
BS	11/14	AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

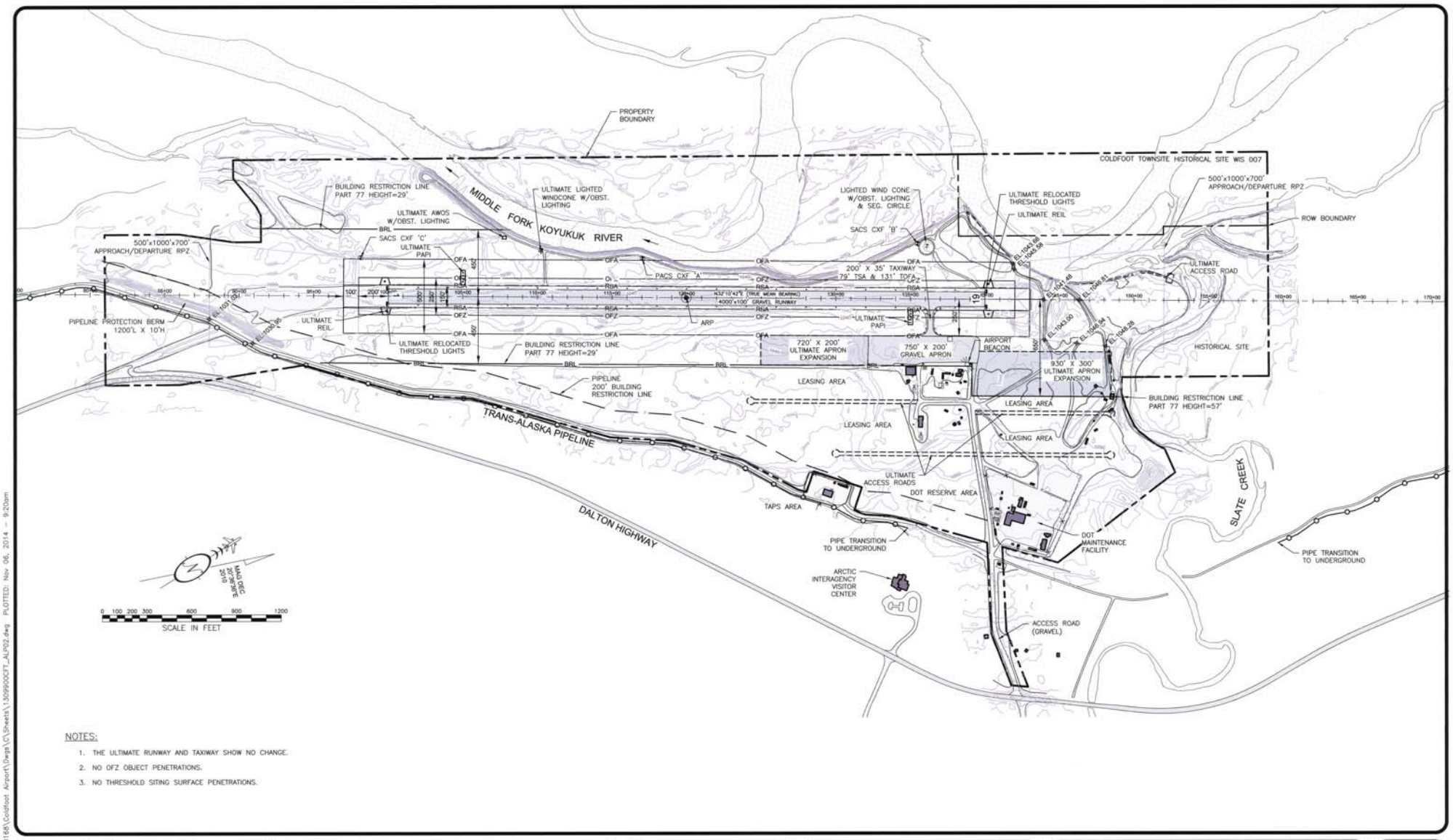
APPROVED
ALBERT M.L. BECK, P.E. — DESIGN GROUP CHIEF
DATE 11/12/14

AS-BUILT
~~AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED ___/___/___ FAA AIRSPACE REVIEW NUMBER ___~~
DATE: 11/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

COLDFOOT AIRPORT
COLDFOOT, ALASKA
AIRPORT DATA

SHEET 1 OF 5

DRAWING NAME: U:\204700168\Coldfoot Airport\Dwgs\C\Sheets\130990063_ALP01.dwg PLOTTED: Nov 06, 2014 – 9:17am



NOTES:

1. THE ULTIMATE RUNWAY AND TAXIWAY SHOW NO CHANGE.
2. NO OFZ OBJECT PENETRATIONS.
3. NO THRESHOLD SITING SURFACE PENETRATIONS.

DESIGN LLC
DRAWN TCK
CHECKED JGL

BY	DATE	REVISIONS
	11/14	AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED
ALBERT M.L. BECK, P.E. — DESIGN GROUP CHIEF
DATE 11/12/14

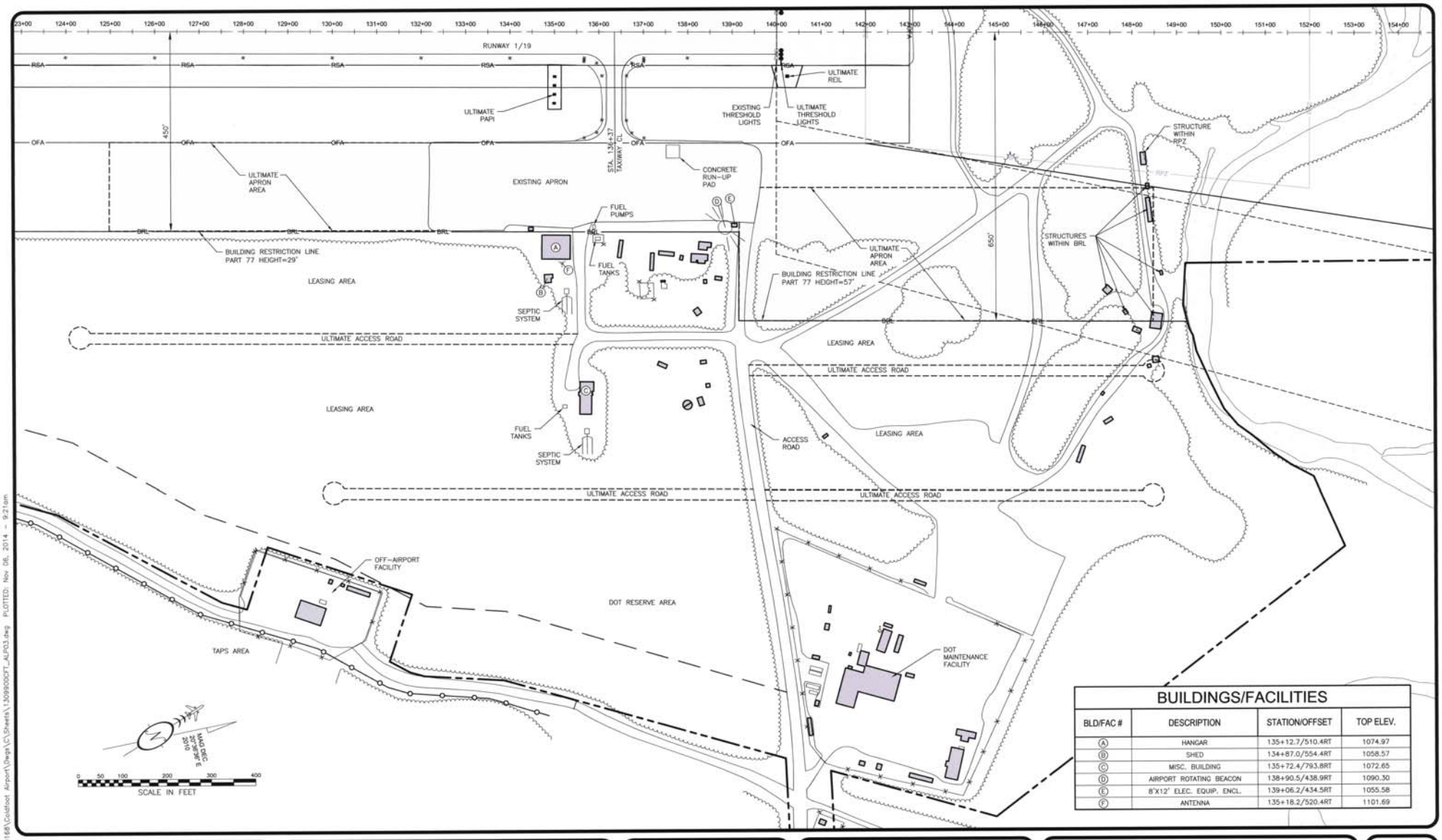
AS-BUILT
AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
ALP APPROVAL LETTER DATED
FAA AIRSPACE REVIEW NUMBER
DATE: 11/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

COLDFOOT AIRPORT
COLDFOOT, ALASKA

AIRPORT LAYOUT PLAN

SHEET 2 OF 5

DRAWING NAME: U:\204700168\Coldfoot Airport\Dwgs\C\Sheets\130990CFT_ALP02.dwg PLOTTED: Nov 06, 2014 - 9:20am



BUILDINGS/FACILITIES

BLD/FAC #	DESCRIPTION	STATION/OFFSET	TOP ELEV.
A	HANGAR	135+12.7/510.4RT	1074.97
B	SHED	134+87.0/554.4RT	1058.57
C	MISC. BUILDING	135+72.4/793.8RT	1072.65
D	AIRPORT ROTATING BEACON	138+90.5/438.9RT	1090.30
E	8'X12' ELEC. EQUIP. ENCL.	139+06.2/434.5RT	1055.58
F	ANTENNA	135+18.2/520.4RT	1101.69

DRAWING NAME: U:\2047001681\Coldfoot Airport\Dwgs\C\Sheets\130900CFT_ALP03.dwg PLOTTED: Nov 06, 2014 - 9:21am

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	11/14	AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

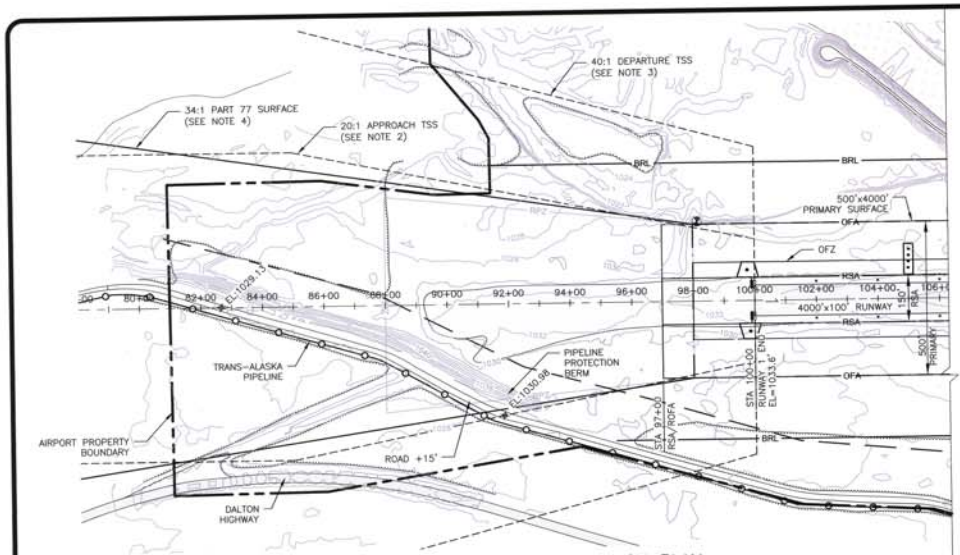
APPROVED: Albert M. Beck
ALBERT M.L. BECK, P.E. — DESIGN GROUP CHIEF
DATE 11/12/14

AS-BUILT
~~AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT~~ TO
~~ALP APPROVAL LETTER DATED~~ ___/___/___
~~FAA AIRSPACE REVIEW NUMBER~~ ____
DATE: 11/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

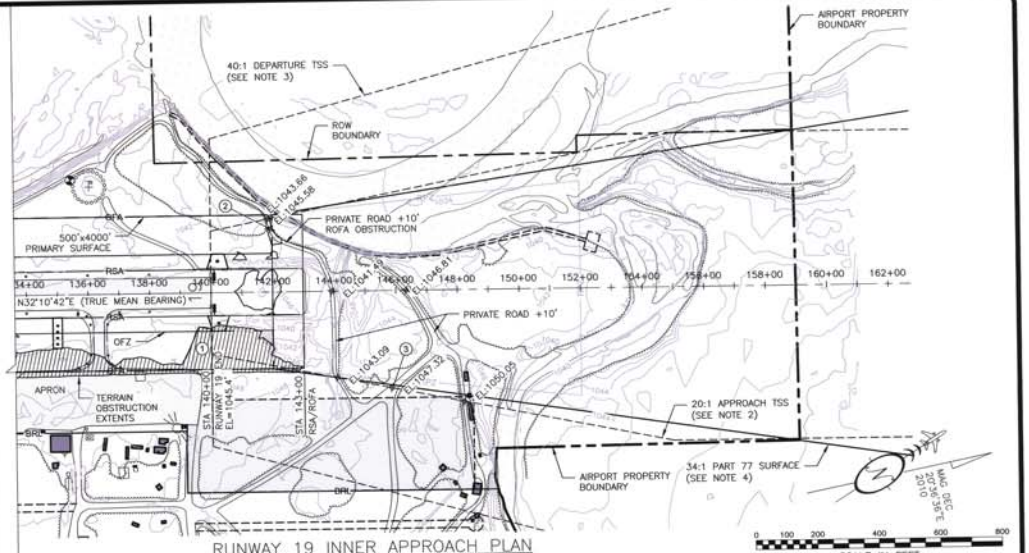
COLDFOOT AIRPORT
COLDFOOT, ALASKA

TERMINAL PLAN

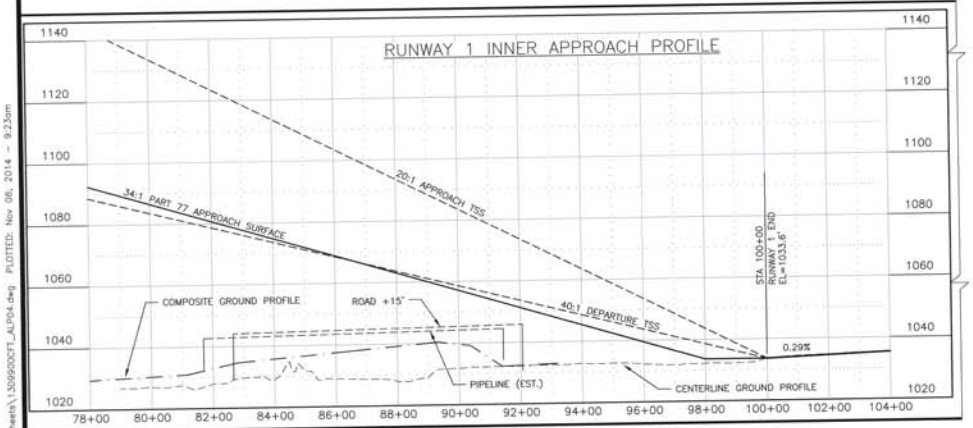
SHEET 3 OF 5

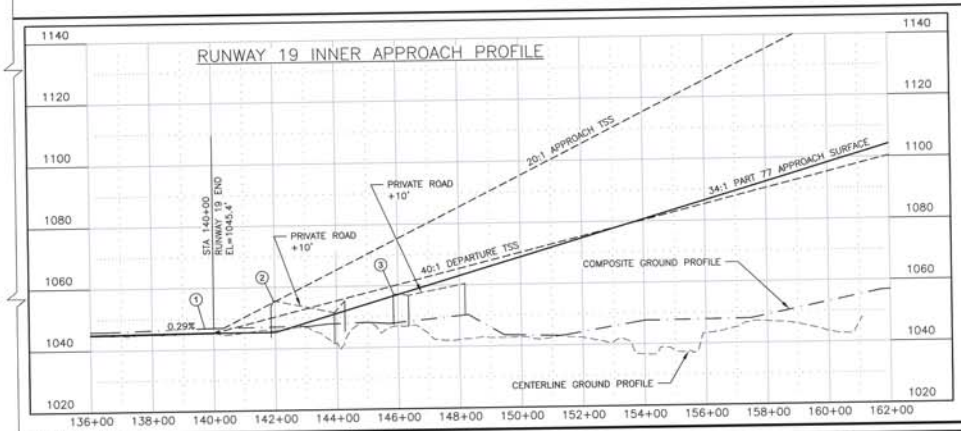


RUNWAY 1 INNER APPROACH PLAN



RUNWAY 19 INNER APPROACH PLAN





RW 1 NOTES:

1. APPROACH END OF RUNWAYS EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS ≥ 1 STATUTE MILE (DAY ONLY)
2. APPROACH TSS DIMENSION: 400'x1000'x1500'x8500'
3. DEPARTURE TSS DIMENSION: 1000'x6466'x10200'
4. PART 77 APPROACH SURFACE DIMENSION: 500'x3500'x10000'
5. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS
6. NO OBSTACLE FREE ZONE PENETRATIONS

RW 19 NOTES:

1. APPROACH END OF RUNWAYS EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS ≥ 1 STATUTE MILE (DAY ONLY)
2. APPROACH TSS DIMENSION: 400'x1000'x1500'x8500'
3. DEPARTURE TSS DIMENSION: 1000'x6466'x10200'
4. PART 77 APPROACH SURFACE DIMENSION: 500'x3500'x10000'
5. NO OBSTACLE FREE ZONE PENETRATIONS
6. HP=HIGH POINT OF TERRAIN OBSTRUCTION

OBSTRUCTION TABLE (INNER PORTION R/W 19)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
1	TERRAIN (HP)	139+80/210' RT	1046.8'	1045.3'	PART 77	1.5'	TO REMAIN
2	ROAD +10'	141+95/204' LT	1055.6'	1051.1'	PART 77	10.3'	TO REMAIN
2	ROAD +10'	141+95/204' LT	1055.6'	1050.2'	DEPARTURE TSS	5.4'	TO REMAIN
3	ROAD +10'	145+90/306' RT	1057.3'	1056.7'	PART 77	0.6'	TO REMAIN

DESIGN LLC
DRAWN TCK
CHECKED JGL

BY	DATE	REVISIONS
	11/14	AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED ALBERT M.L. BECK, P.E. DATE 11/2/14 DESIGN GROUP CHIEF

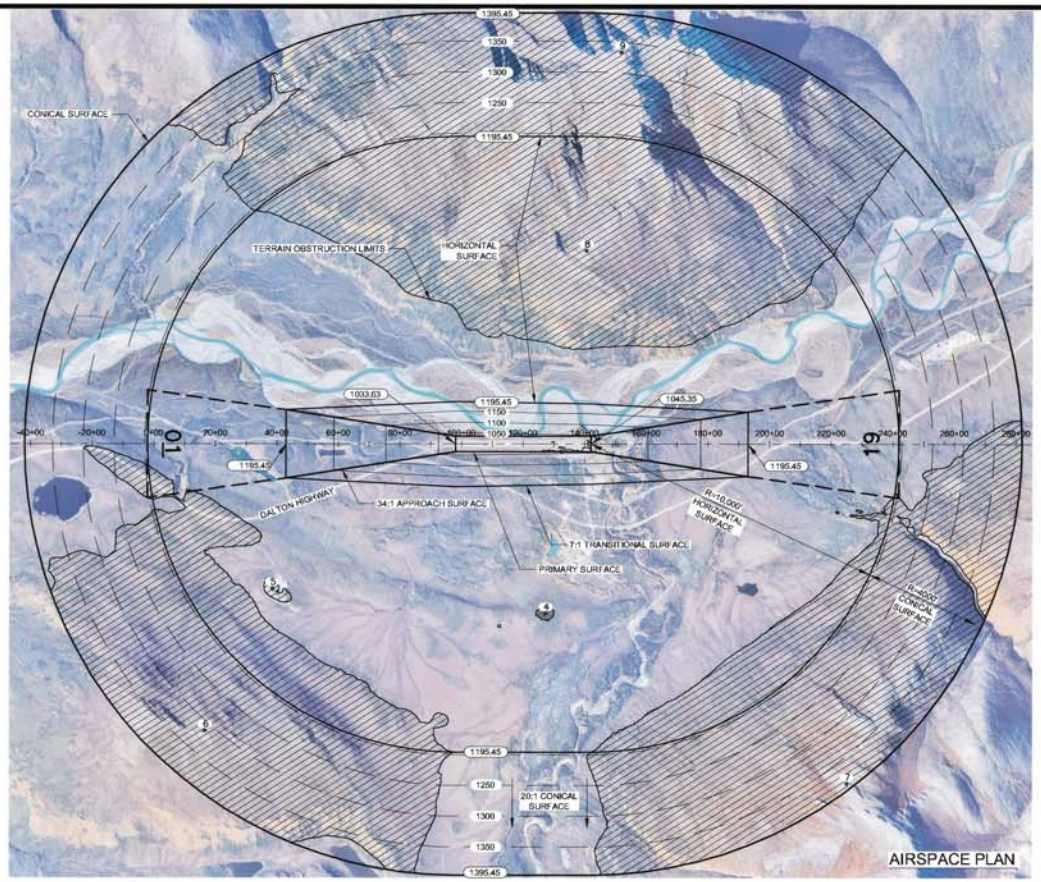
AS-BUILT
~~AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO~~
~~ALP APPROVAL LETTER DATED ___/___/___~~
~~FAA AIRSPACE REVIEW NUMBER:~~
DATE: 11/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

COLDFOOT AIRPORT
COLDFOOT, ALASKA

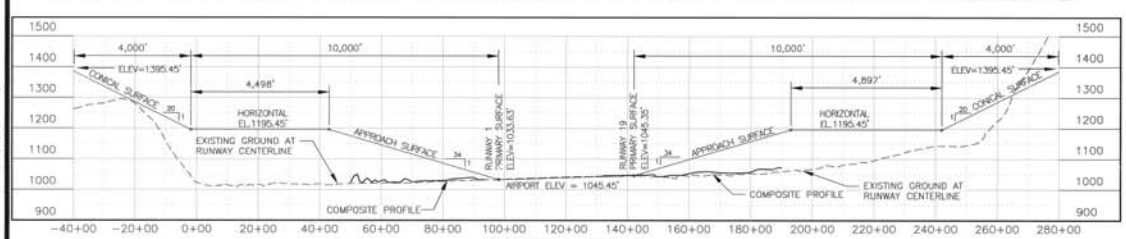
EXISTING–ULTIMATE INNER PORTION OF APPROACH SURFACE

SHEET 4 OF 5

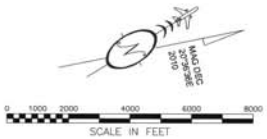
DRAWING NAME: U:\20470016B\Coldfoot Airport\Dwgs\C\Sheets\130990CF1_AL P04.dwg PLOTTED: Nov 06, 2014 - 9:23am

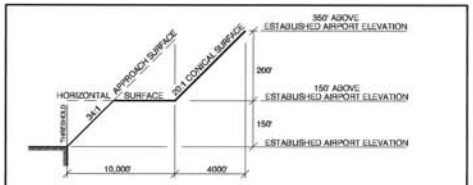


AIRSPACE PLAN



AIRSPACE PROFILE





AIRSPACE SURFACE DEFINITIONS

NO SCALE

NOTES:

1. REFER TO THE INNER PORTION OF APPROACH SURFACE (SHEET 4) FOR CLOSE IN OBSTRUCTIONS.
2. THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
3. REFER TO THE TERMINAL PLAN (SHEET 3) FOR BUILDING LOCATIONS AND ELEVATIONS.
4. A GROWTH ALLOWANCE FOR VEGETATION WAS NOT INCORPORATED INTO THE OBSTRUCTION REVIEW.
5. VERTICAL DATUM IS NAVD 1988 USING GEOID09 AND REFERENCING PACS "CFX A". HORIZONTAL DATUM IS NAD83 (2007). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 4, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.
6. FIELDWORK WAS PERFORMED WITH A COMBINATION OF STATIC, RTK, CONVENTIONAL, AND REMOTE SURVEYING TECHNIQUES. FOR MORE INFORMATION REFER TO THE AERIAL MAPPING FINAL PROJECT REPORT.
7. GROUND SURFACE INFORMATION WAS PROVIDED BY THE AERIAL MAPPING SUBCONTRACTOR. A CAREFUL COMPARRISON WITH SURVEYED DATA WAS MADE TO ENSURE THAT ALL INFORMATION MEETS THE ACCURACY REQUIREMENTS ESTABLISHED IN AC 150-5300-18B AND 150-5300-13A.

F.A.R. PART 77 DIMENSIONS - OTHER THAN UTILITY RUNWAY WITH NPI

DESCRIPTION	DIMENSION
ESTABLISHED AIRPORT ELEVATION	1045.45'
RUNWAY THRESHOLD ELEVATION	RW01: 1033.63' \ RW19: 1045.35
PRIMARY SURFACE	500'x4400'
HORIZONTAL SURFACE ELEVATION	1195.45'
HORIZONTAL SURFACE RADIUS	10000'
APPROACH SURFACE	500'x3500'x10000'
APPROACH SURFACE SLOPE	34:1
CONICAL SURFACE WIDTH	4000' @ 20:1
TRANSITIONAL SURFACE SLOPE	7:1

LEGEND

1195.45	AIRSPACE ELEVATION (SURFACE DIVIDERS)
	AIRSPACE SURFACE DIVIDERS (NON CONTROLLING)
2000	AIRSPACE ELEVATION (50' INCREMENTS)
2000	EXISTING GROUND ELEVATIONS
	RUNWAY CENTERLINE (EXTENDED)
7	AIRSPACE TERRAIN OBSTRUCTION

F.A.R. PART 77 SURFACE OBSTRUCTION TABLE

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATION	DISPOSITION	STAGE TO CORRECT
4	TERRAIN (HP)	127+40/5520' RT	1200'	1195'	5'	TO REMAIN	N/A
5	TERRAIN (HP)	38+60/4710' RT	1230'	1195'	35'	TO REMAIN	N/A
6	TERRAIN (HP)	16+70/9300' RT	2230'	1320'	910'	TO REMAIN	N/A
7	TERRAIN (HP)	225+10/11020' RT	2900'	1400'	1500'	TO REMAIN	N/A
8	TERRAIN (HP)	140+40/6290' LT	2250'	1195'	1055'	TO REMAIN	N/A
9	TERRAIN (HP)	151+60/12730' LT	4350'	1330'	3020'	TO REMAIN	N/A

(HP=HIGH POINT OF TERRAIN OBSTRUCTION)

DESIGN JLC
DRAWN TGK
CHECKED JGL

BY	DATE	REVISIONS
BJ	11/14	AS-BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED
ALBERT M.L. BECK, P.E.
DATE 11/12/14
DESIGN GROUP CHIEF

AS-BUILT
~~AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO ALP APPROVAL LETTER DATED ___ FAA AIRSPACE REVIEW NUMBER ___~~
DATE: 4/14
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

COLDFOOT AIRPORT
COLDFOOT, ALASKA

AIRPORT AIRSPACE (FAR PART 77)

SHEET 5 OF 5

DRAWING NAME: U:\204700168\Coldfoot Airport\Dwgs\C\Sheets\130990GFT_ALP05.dwg PLOTTED: Nov 06, 2014 - 9:40am