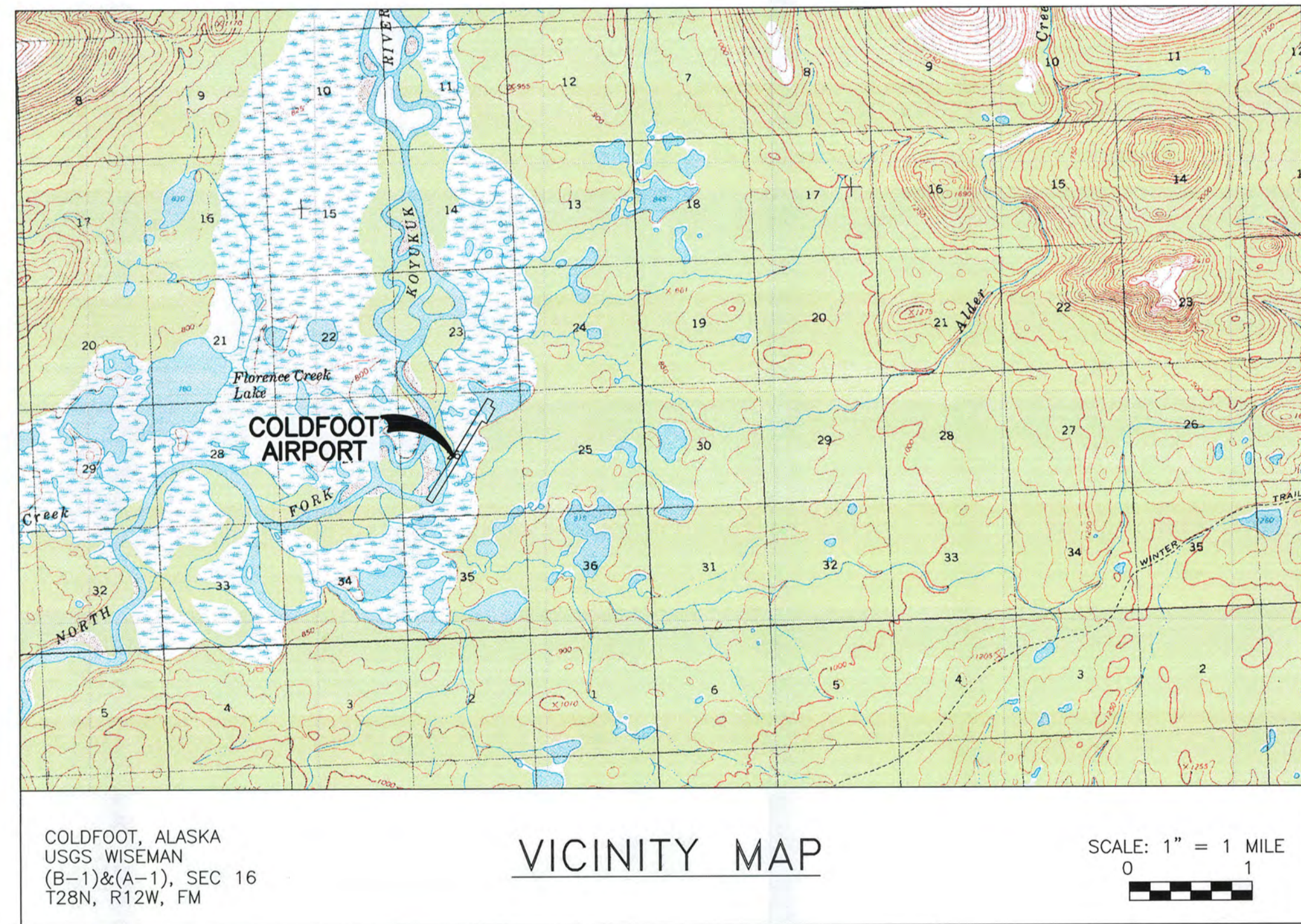


LOCATION MAP

# COLDFOOT AIRPORT AIRPORT LAYOUT PLAN COLDFOOT, ALASKA



VICINITY MAP

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

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

DESIGN REH  
DRAWN REH  
CHECKED MJM

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

APPROVED:  
*Albert M.L. Beck* DATE 2/5/19  
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

AS BUILT AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL  
SUBJECT TO ALP APPROVAL LETTER DATED 4/9/2012  
FAA AIRSPACE REVIEW NUMBER: 2011-AAL-55-NRA

AS-BUILT ACCEPTED  
*[Signature]* DATE 4/17/19  
FAA, AIRPORTS DIVISION, ALASKAN REGION, AAL-601

BY	DATE	REVISIONS
	2/5/19	AS-BUILT

COLDFOOT AIRPORT  
COLDFOOT, ALASKA  
COVER

SHEET 1 OF 6

MODIFICATION TO STANDARDS					
DESCRIPTION	STANDARD	EXISTING	ULTIMATE	AIRSPACE #	APPROVAL DATE
NONE					

NONSTANDARD CONDITIONS			
ITEM	STANDARD	EXISTING	ULTIMATE
THRESHOLD 20 LIGHTS	INBOARD	OUTBOARD	OUTBOARD

PACS & SACS (OR OTHER CONTROL)							
DESIGNATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CXF 'A'	67°15'06.73"N	150°12'23.64"W	1063.23	4843804.04	1611163.99	1037.93	PACS
CXF 'B'	67°15'22.67"N	150°12'01.02"W	1064.73	4845420.47	1612056.06	1039.40	SACS
CXF 'C'	67°14'51.00"N	150°12'49.12"W	1054.36	4842208.40	1610156.13	1029.04	SACS

GEOGRAPHIC COORDINATES (NAD83) & ELEVATIONS (NAVD88)						
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	67°15'07.81"N	150°12'14.06"W	N/A	SAME	SAME	SAME
RW 2 END	67°14'51.12"N	150°12'41.21"W	1034.44'	SAME	SAME	SAME
RW 20 END	67°15'24.51"N	150°11'46.92"W	1049.12'	SAME	SAME	SAME

**NOTES**

- THIS ALP DRAWING SET IS UPDATED BASED ON AN AIRPORT AS-BUILT CONSTRUCTION AIRSIDE SURVEY COMPLETED BY LOUNSBURY & ASSOCIATES, INC. IN JULY 2017 IN ACCORDANCE WITH FAA AC 150/5300-18B. THIS ALP WAS UPDATED IN ACCORDANCE WITH FAA AC 150/5300-13A IN JANUARY 2018.
- VERTICAL DATUM IS NAVD 1988 USING GEOID12B AND REFERENCING PACS "CXF A"
- HORIZONTAL DATUM IS NAD83 (2011). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 4, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.
- NO WIND DATA AVAILABLE.

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
NPIAS SERVICE LEVEL (P, CS, R, GA)	GA	SAME
AIRPORT ELEVATION (NAVD88)	1049.12'	SAME
MEAN MAX. TEMPERATURE, HOTTEST MONTH	69.4°F, JULY	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	AOC (SEE NOTES)	SAME
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	16°54'00"E JAN 2018	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	ROTATING BEACON, SEG. CIR., WINDCONE	ROTATING BEACON, SEG. CIR., WINDCONE, AWOS, REIL, PAPI

RUNWAY 2-20 DATA		
ITEM	EXISTING	ULTIMATE
FAR PART 77 APPROACH CATEGORY (UTILITY, OTHER THAN UTILITY)	OTHER THAN UTILITY	SAME
FAR PART 77 APPROACH TYPE (V, C, NPA, PA)	NPA	SAME
RUNWAY DESIGN CODE (RDC)	B-II-4000	SAME
RUNWAY REFERENCE CODE (RRC)	B-II-4000	SAME
CRITICAL AIRCRAFT	B-II	SAME
FAR PART 77 APPROACH SLOPE	34:1	SAME
APPROACH TSS SLOPE	20:1	SAME
VISIBILITY MINIMUM	≥ 1SM	SAME
RUNWAY SURFACE	GRAVEL	SAME
PAVEMENT STRENGTH (SW, DW, DTW x1000lbs)	N/A	SAME
TRUE MEAN BEARING	N 32°10'51" E	SAME
MAXIMUM ELEVATION ABOVE MSL	1049.12'	SAME
EFFECTIVE GRADE	0.37%	SAME
RUNWAY TOUCHDOWN ZONE ELEVATIONS (NAVD88)	RW 2: 1034.44' RW 20: 1049.12'	SAME
RUNWAY DIMENSIONS	75' x 4010'	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' x 4610'	SAME
RSA LENGTH BEYOND RW ENDS	300'/300'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	1000'x500'x700'	SAME
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	500' x 4610'	SAME
ROFA LENGTH BEYOND RW ENDS	300'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	400' x 4410'	SAME
PRECISION OBJECT FREE ZONE (POFZ) DIMENSIONS	N/A	SAME
RUNWAY LIGHTING TYPE	MIRL	SAME
RUNWAY MARKING TYPE (P, NP, NONE)	NONE	SAME
RUNWAY VISUAL APPROACH AIDS	ROTATING BEACON	SAME
RUNWAY LANDING AIDS	RNAV (GPS)	SAME

TAXIWAY DATA		
ITEM	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	2	SAME
TAXIWAY DIMENSIONS	35' x 200'	SAME
TAXIWAY SHOULDER WIDTH	15'	SAME
SEPARATION FROM PARALLEL RUNWAY	N/A	SAME
TAXIWAY (TSA) WIDTH	79'	SAME
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	131'	SAME
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING	NONE	SAME

DESIGN REH  
DRAWN REH  
CHECKED MJM

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

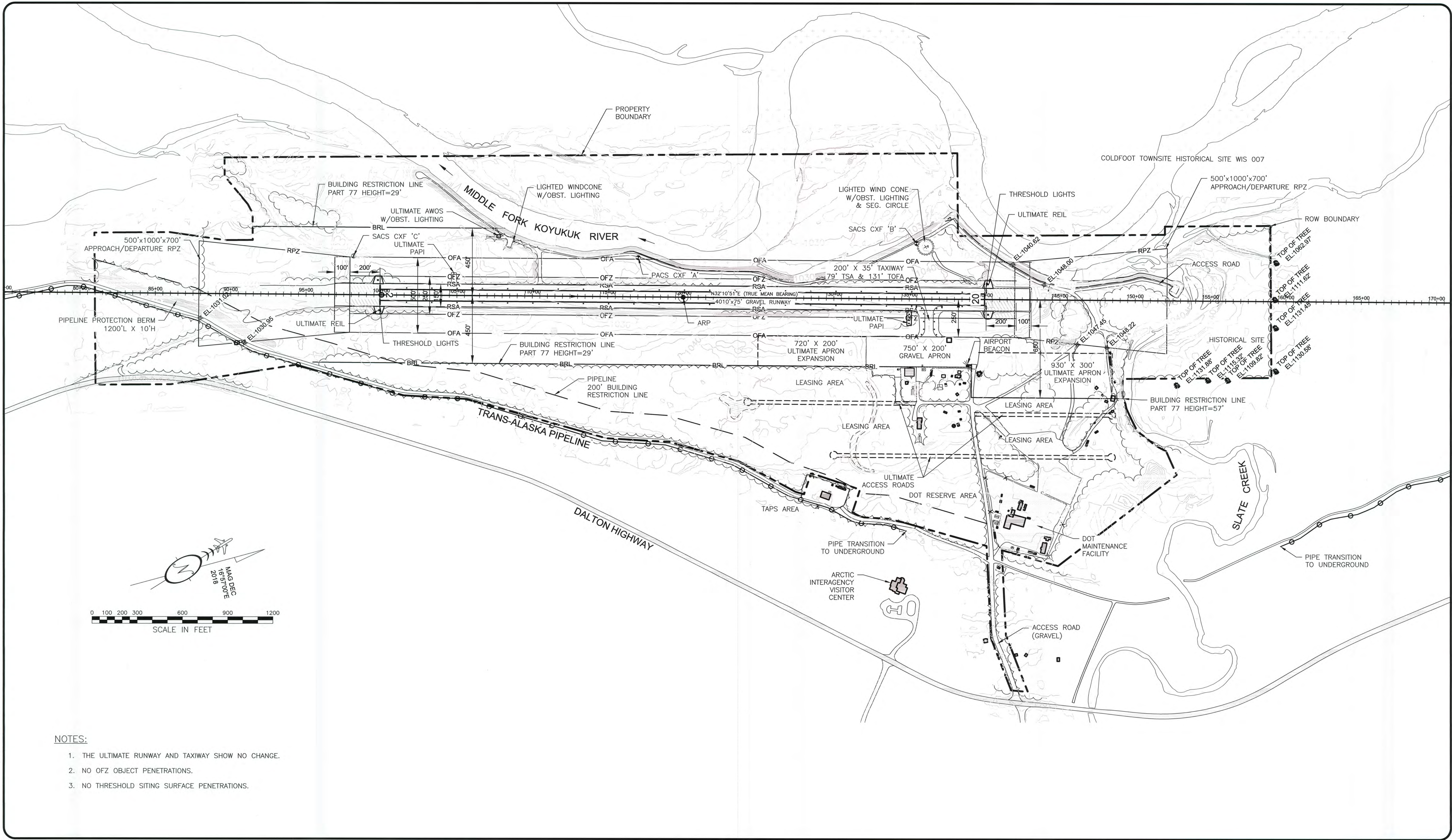
APPROVED: Albert M.L. Beck DATE 2/5/19  
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

BY	DATE	REVISIONS	FAA
	2/5/19	AS-BUILT	

BY	DATE	REVISIONS	FAA

**COLDFOOT AIRPORT**  
COLDFOOT, ALASKA  
AIRPORT DATA

SHEET  
2 OF  
6

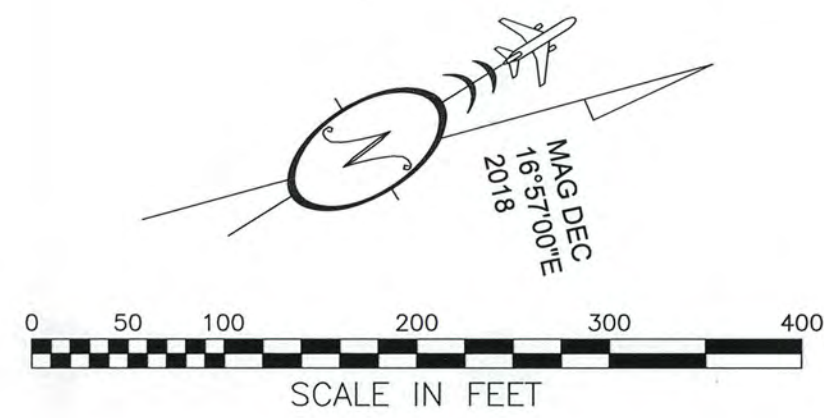
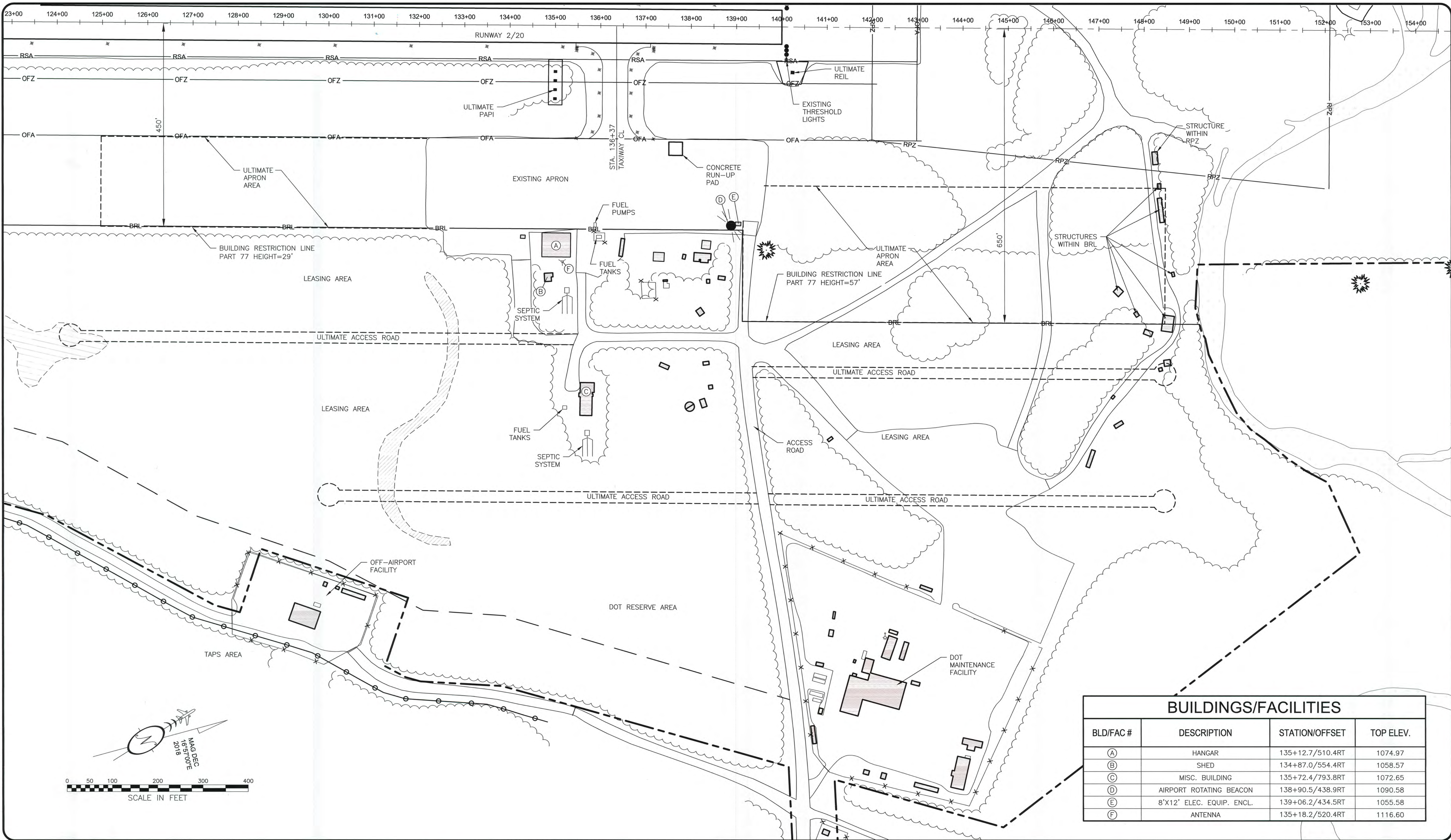


- NOTES:**
1. THE ULTIMATE RUNWAY AND TAXIWAY SHOW NO CHANGE.
  2. NO OFZ OBJECT PENETRATIONS.
  3. NO THRESHOLD SITING SURFACE PENETRATIONS.

DESIGN	REH	<p><b>STATE OF ALASKA</b>                  DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES                  NORTHERN REGION-AVIATION</p>				<p><b>COLDFOOT AIRPORT</b>                  COLDFOOT, ALASKA                  AIRPORT LAYOUT PLAN</p>	<p>SHEET                  3 OF                  6</p>		
DRAWN	REH	<p>APPROVED: <i>Albert M.L. Beck</i> DATE: 2/5/19</p> <p>ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF</p>		BY	DATE				
CHECKED	CML	BY	DATE	REVISIONS	FAA			BY	DATE

12/17/2018 10:07 AM

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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	1090.58
(E)	8'X12' ELEC. EQUIP. ENCL.	139+06.2/434.5RT	1055.58
(F)	ANTENNA	135+18.2/520.4RT	1116.60

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

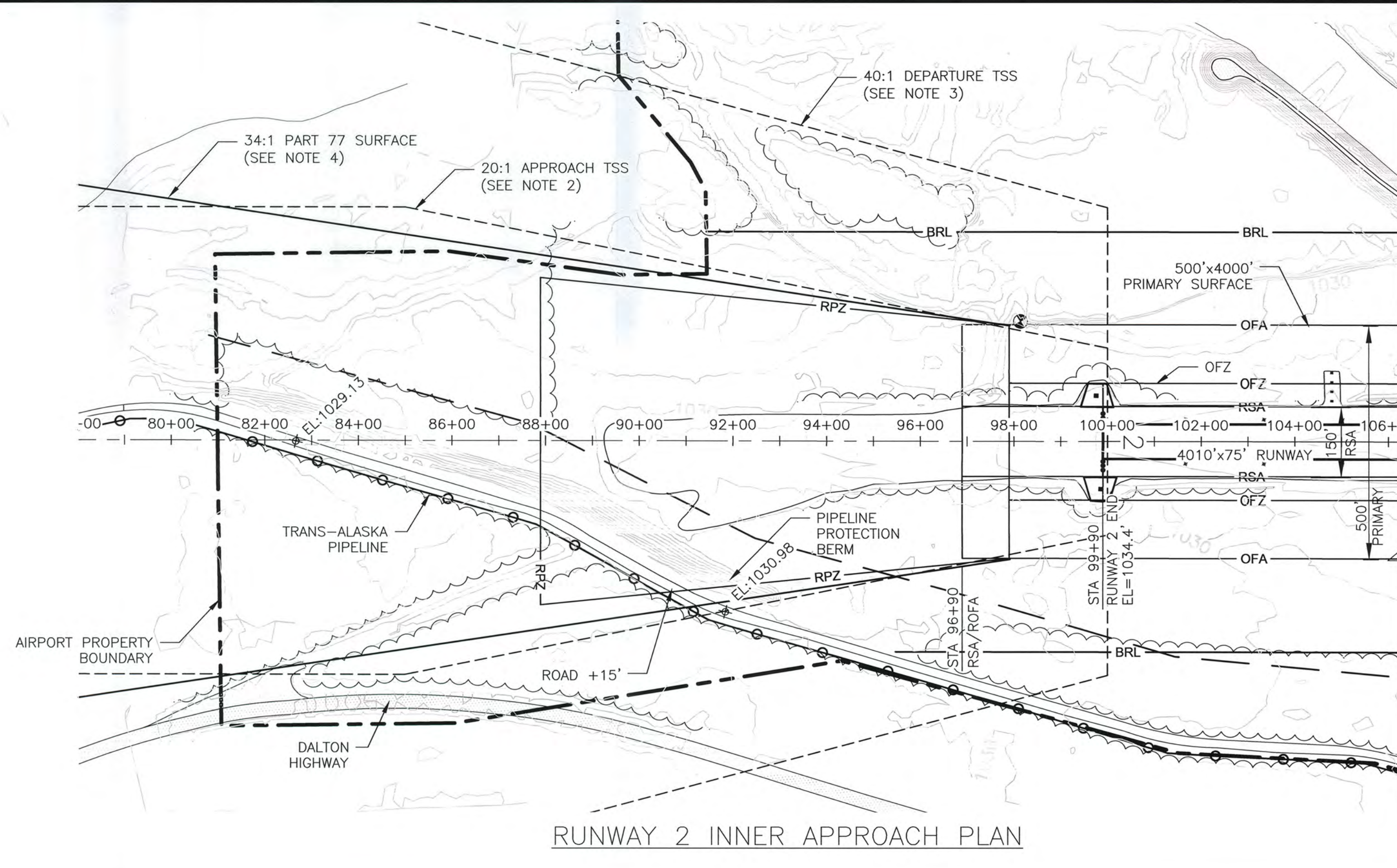
APPROVED: *Albert M.L. Beck* DATE 2/5/19  
 ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

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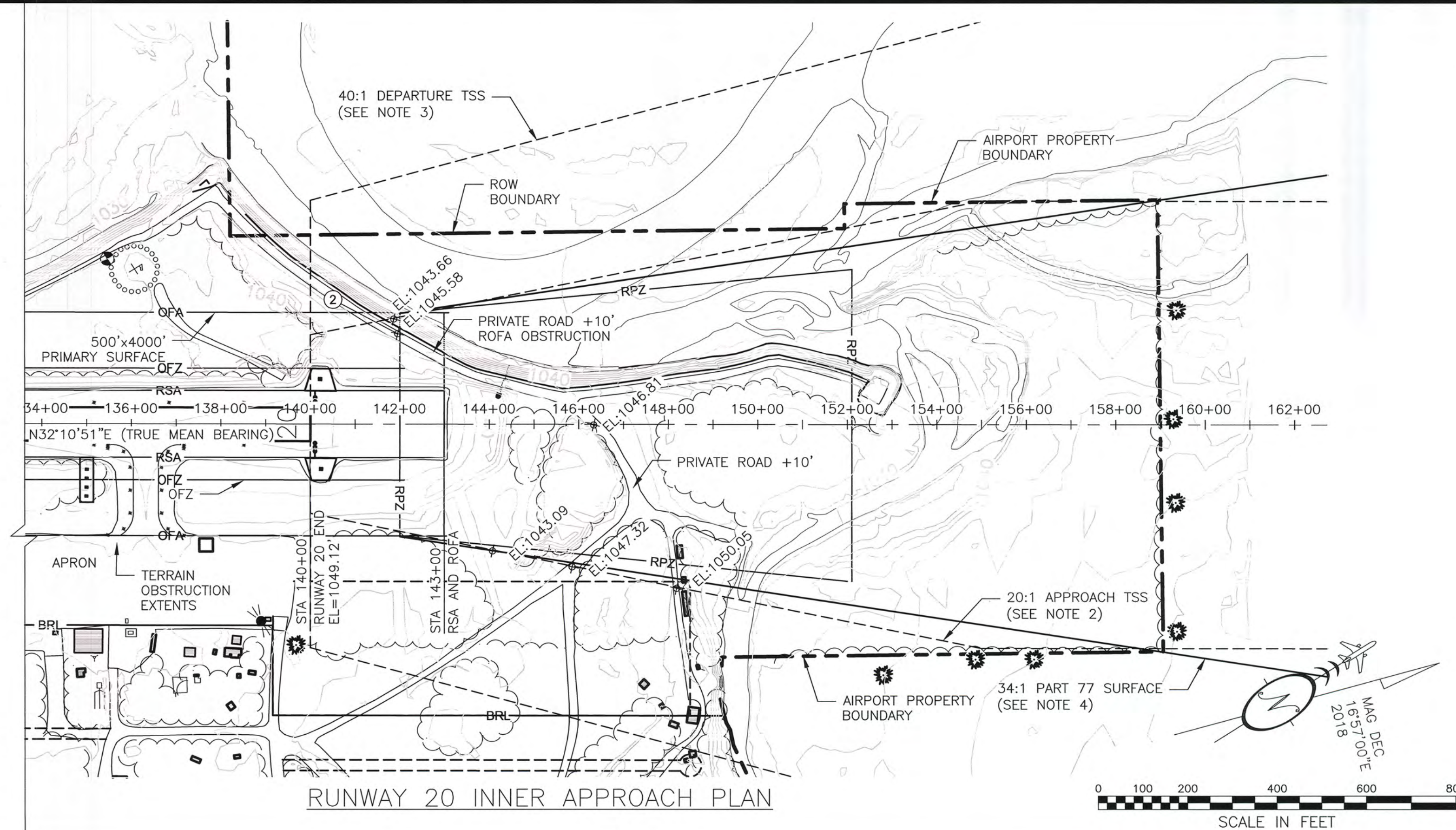
BY	DATE	REVISIONS	FAA

COLDFOOT AIRPORT  
 COLDFOOT, ALASKA  
 TERMINAL PLAN

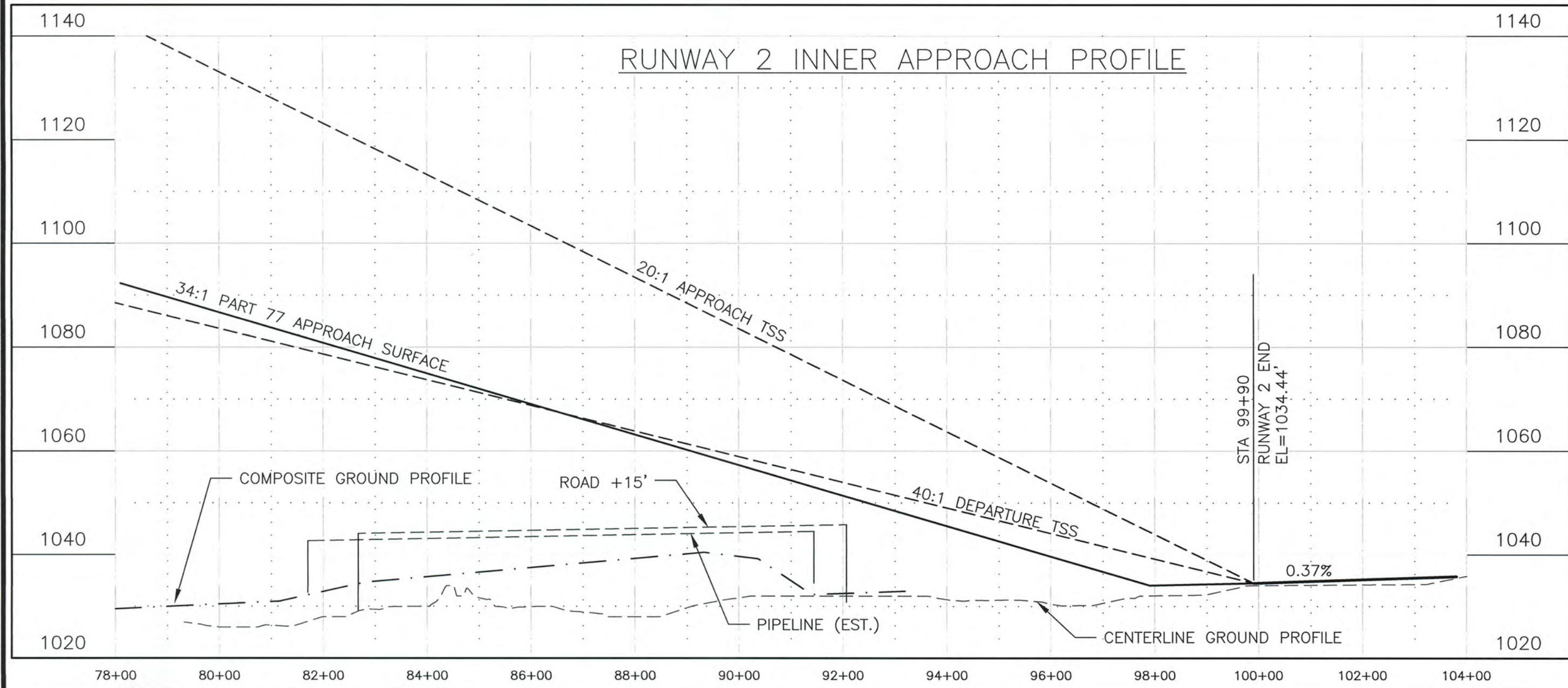
SHEET  
 4 OF  
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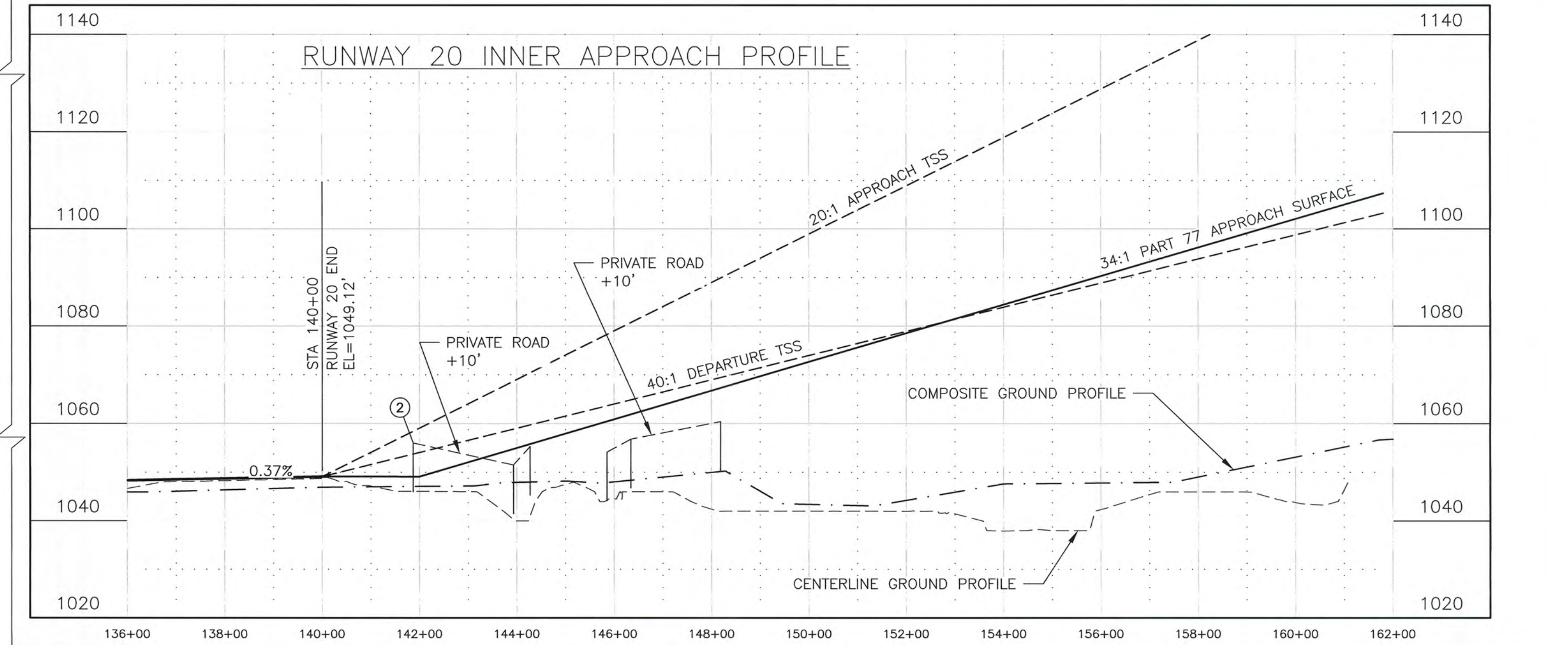
RUNWAY 2 INNER APPROACH PLAN



RUNWAY 20 INNER APPROACH PLAN



RUNWAY 2 INNER APPROACH PROFILE



RUNWAY 20 INNER APPROACH PROFILE

RW 2 NOTES:

1. APPROACH END OF RUNWAYS EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS  $\geq$  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 20 NOTES:

1. APPROACH END OF RUNWAYS EXPECTED TO ACCOMMODATE INSTRUMENT APPROACHES HAVING VISIBILITY MINIMUMS  $\geq$  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
②	ROAD +10'	141+95/204' LT	1056.8'	1049.1'	PART 77	7.7'	TO REMAIN
②	ROAD +10'	141+95/204' LT	1056.8'	1053.7'	DEPARTURE TSS	3.1'	TO REMAIN

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

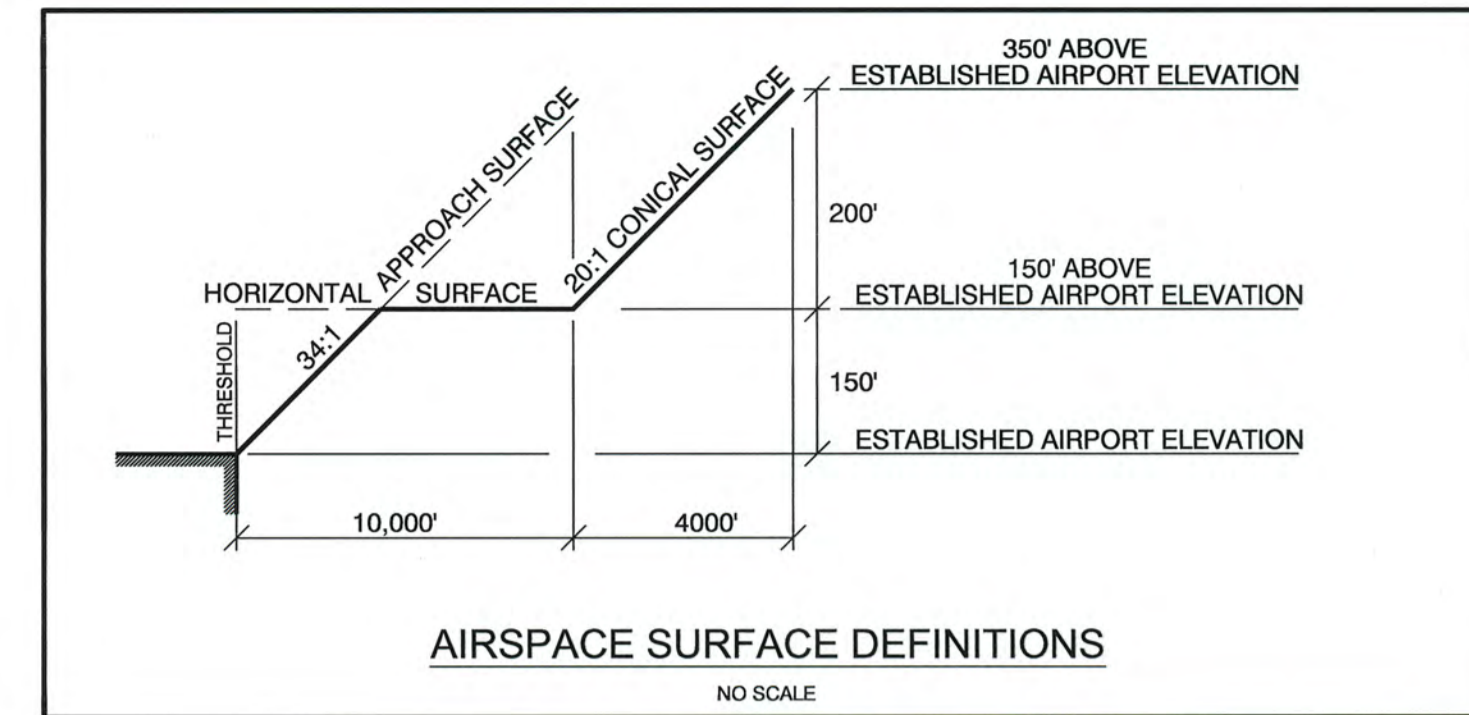
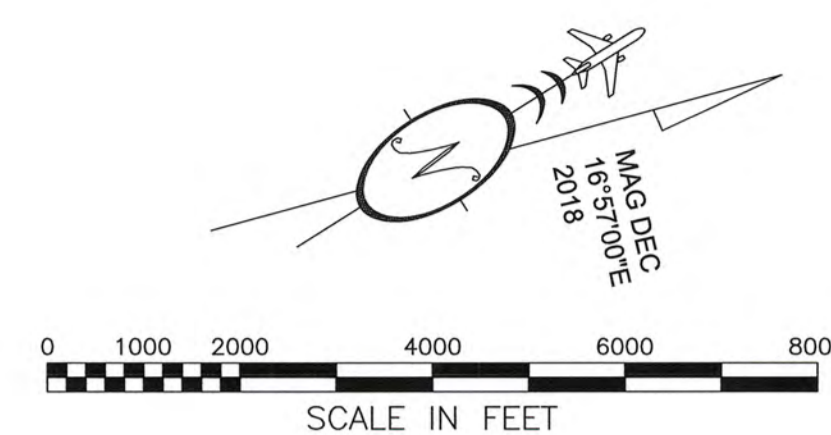
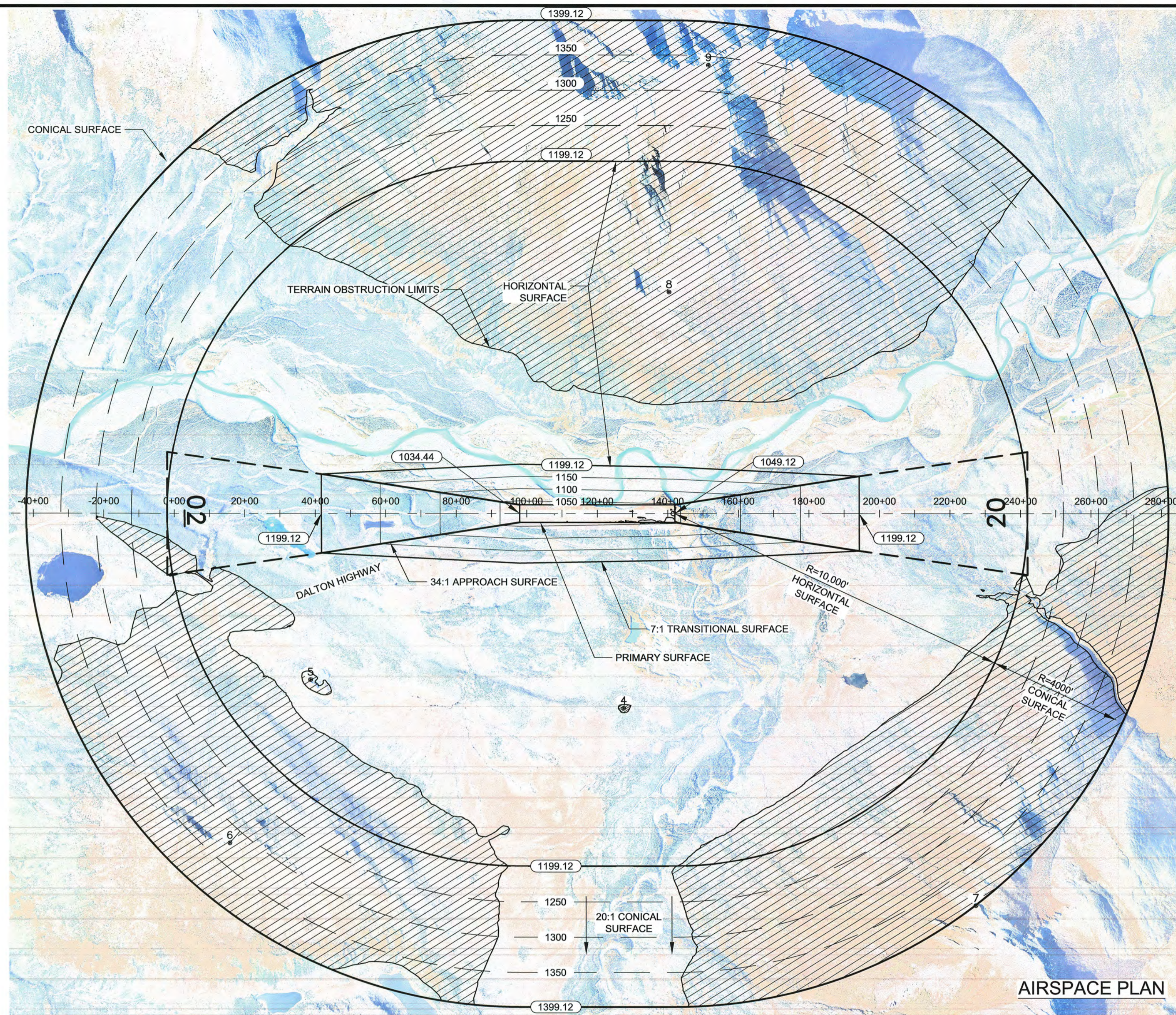
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*Albert M.L. Beck*  
ALBERT M.L. BECK, P.E. DATE 2/5/19  
DESIGN GROUP CHIEF

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BY	DATE	REVISIONS	FAA

COLDFOOT AIRPORT  
COLDFOOT, ALASKA  
EXISTING-ULTIMATE INNER PORTION  
OF APPROACH SURFACE

SHEET  
5 OF  
6



NOTES:

- REFER TO THE INNER PORTION OF APPROACH SURFACE (SHEET 4) FOR CLOSE IN OBSTRUCTIONS.
- THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
- REFER TO THE TERMINAL PLAN (SHEET 3) FOR BUILDING LOCATIONS AND ELEVATIONS.
- A GROWTH ALLOWANCE FOR VEGETATION WAS NOT INCORPORATED INTO THE OBSTRUCTION REVIEW.
- VERTICAL DATUM IS NAVD 1988 USING GEOID12B AND REFERENCING PACS "CFX A". HORIZONTAL DATUM IS NAD83 (2011). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 4, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.
- 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.
- GROUND SURFACE INFORMATION WAS PROVIDED BY THE 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 AND 150-5300-13A.

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

DESCRIPTION	DIMENSION
ESTABLISHED AIRPORT ELEVATION	1049.12'
RUNWAY THRESHOLD ELEVATION	RW02: 1034.44' \ RW20: 1049.12'
PRIMARY SURFACE	500'x4410'
HORIZONTAL SURFACE ELEVATION	1199.12'
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

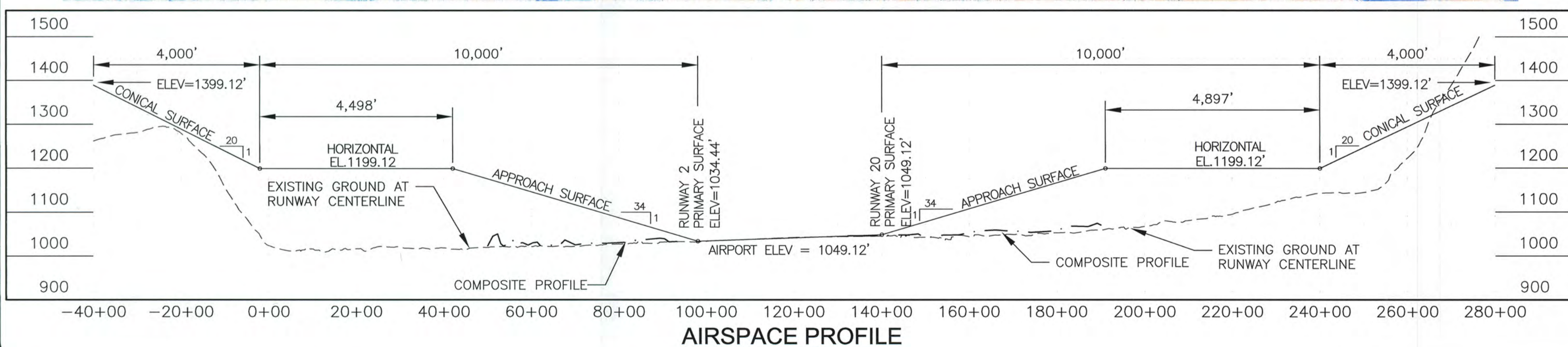
LEGEND

	AIRSPACE ELEVATION (SURFACE DIVIDERS)
	AIRSPACE SURFACE DIVIDERS (NON CONTROLLING)
	AIRSPACE ELEVATION (50' INCREMENTS)
	EXISTING GROUND ELEVATIONS
	RUNWAY CENTERLINE (EXTENDED)
	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'	1199'	1'	TO REMAIN	N/A
5	TERRAIN (HP)	38+60/4710' RT	1230'	1199'	31'	TO REMAIN	N/A
6	TERRAIN (HP)	15+67/9350' 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'	1199'	1051'	TO REMAIN	N/A
9	TERRAIN (HP)	151+60/12730' LT	4350'	1340'	3010'	TO REMAIN	N/A

(HP=HIGH POINT OF TERRAIN OBSTRUCTION)



DESIGN REH  
DRAWN REH  
CHECKED CML

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

APPROVED:  
*Albert M.L. Beck*  
ALBERT M.L. BECK, P.E.

DATE 2/5/19  
DESIGN GROUP CHIEF

BY DATE REVISIONS FAA

2/5/19 AS-BUILT

BY DATE REVISIONS FAA

COLDFOOT AIRPORT  
COLDFOOT, ALASKA  
AIRPORT AIRSPACE (FAR PART 77)

SHEET  
6 OF  
6