



U.S. Department
of Transportation

Alaskan Region

222 W. 7th Avenue #14
Anchorage, Alaska
99513-7587

**Federal Aviation
Administration**

January 22, 2009

Ms. Cindie Little, P.E.
Design Section Chief
Northern Region Department of Transportation
and Public Facilities, State of Alaska
2301 Peger Road
Fairbanks, Alaska 99709-5399

Dear Ms. Little:

**Fort Yukon Airport; Fort Yukon, Alaska
Airport Layout Plan Conditional Approval
Airspace Case 2007AAL-14NRA**

We have completed our review of the Fort Yukon Airport Layout Plan (ALP) and find it acceptable from a planning standpoint.

The conditional approval indicated by my signature is given subject to the condition that the proposed airport development that requires environmental processing shall not be undertaken without prior written environmental approval by the FAA.


This approval considers only the safety, utility, and efficiency of the airport. We encourage you to work with appropriate agencies to encourage adoption of height and zoning restrictions.

This approval does not represent a commitment to provide financial assistance to implement the proposed plan. FAA assistance in any development or its approval for any development will be determined at the time of request, based on the existing regulations, project justification, and eligibility at the time of the request.

When airport construction, alteration, or deactivation is undertaken, such action requires FAA notification and review in accordance with the provisions of Part 77 and Part 157 of the Federal Aviation Regulations. In addition, all airport construction must be completed in accordance with FAA Advisory circulars current at the time of construction. Please attach this letter to the enclosed ALP and retain it in your files for future use.

If you have any questions, please contact Matt Freeman at 907-271-5455.

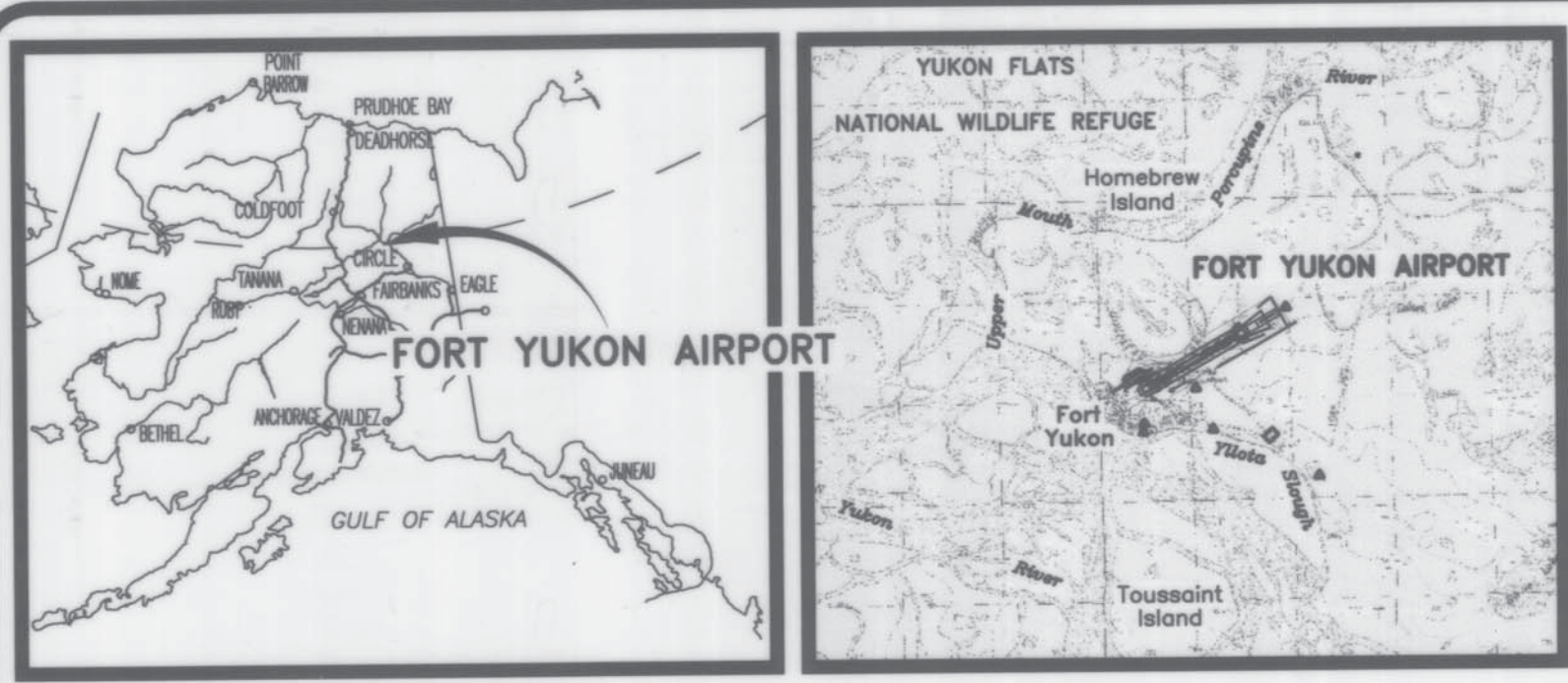
Sincerely,



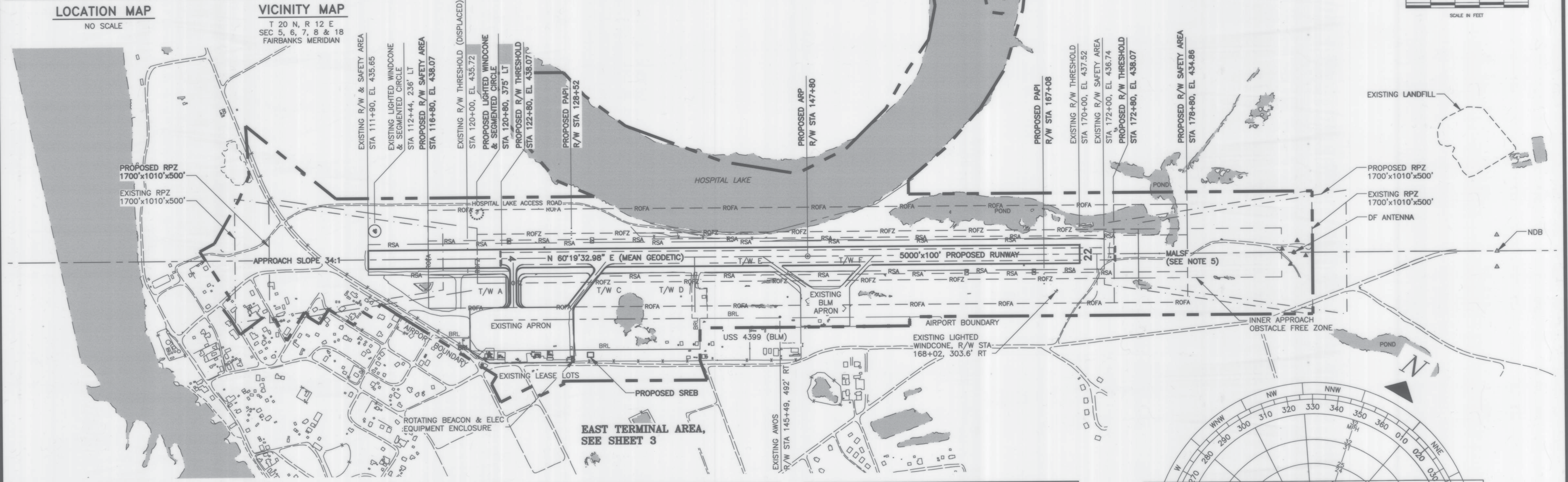
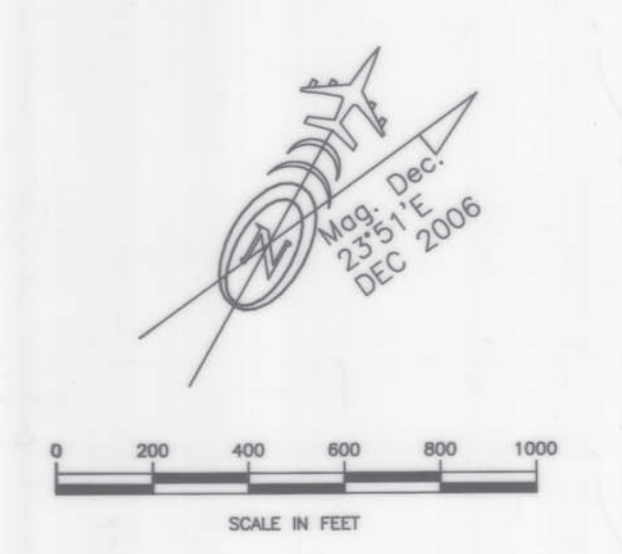
for James W. Lomen, P.E.
Deputy Division Manager, Airports Division

Enclosure
Fort Yukon Airport ALP

cc: AAL-530, ANC FPO/AVN-123



- NOTES:**
1. NO OFZ OBJECT PENETRATIONS.
 2. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
 3. NAD 83 GEODETIC LOCATIONS WERE CALCULATED BASED ON A SURVEY CONTROL DIAGRAM PREPARED BY MULLIKIN SURVEYS FOR ALASKA DOT&PF.
 4. ELEVATIONS SHOWN ON THIS DRAWING ARE BASED ON A SURVEY CONTROL DIAGRAM PREPARED BY MULLIKIN SURVEYS FOR ALASKA DOT&PF. ELEVATIONS SHOWN HAVE BEEN INCREASED BY 4.62 FEET FROM THE LOCAL DATUM OF THE MULLIKIN SURVEYS TOPOGRAPHIC SURVEY TO NAVD 88 ELEVATIONS DERIVED FROM GEOID 99 MODELING.
 5. MALSF LIGHTING TO BE RELOCATED WITH CHANGE IN THRESHOLD LOCATIONS.
 6. BUILDING HEIGHT RESTRICTIONS AT BRL: 35 FOOT MAXIMUM HEIGHT.

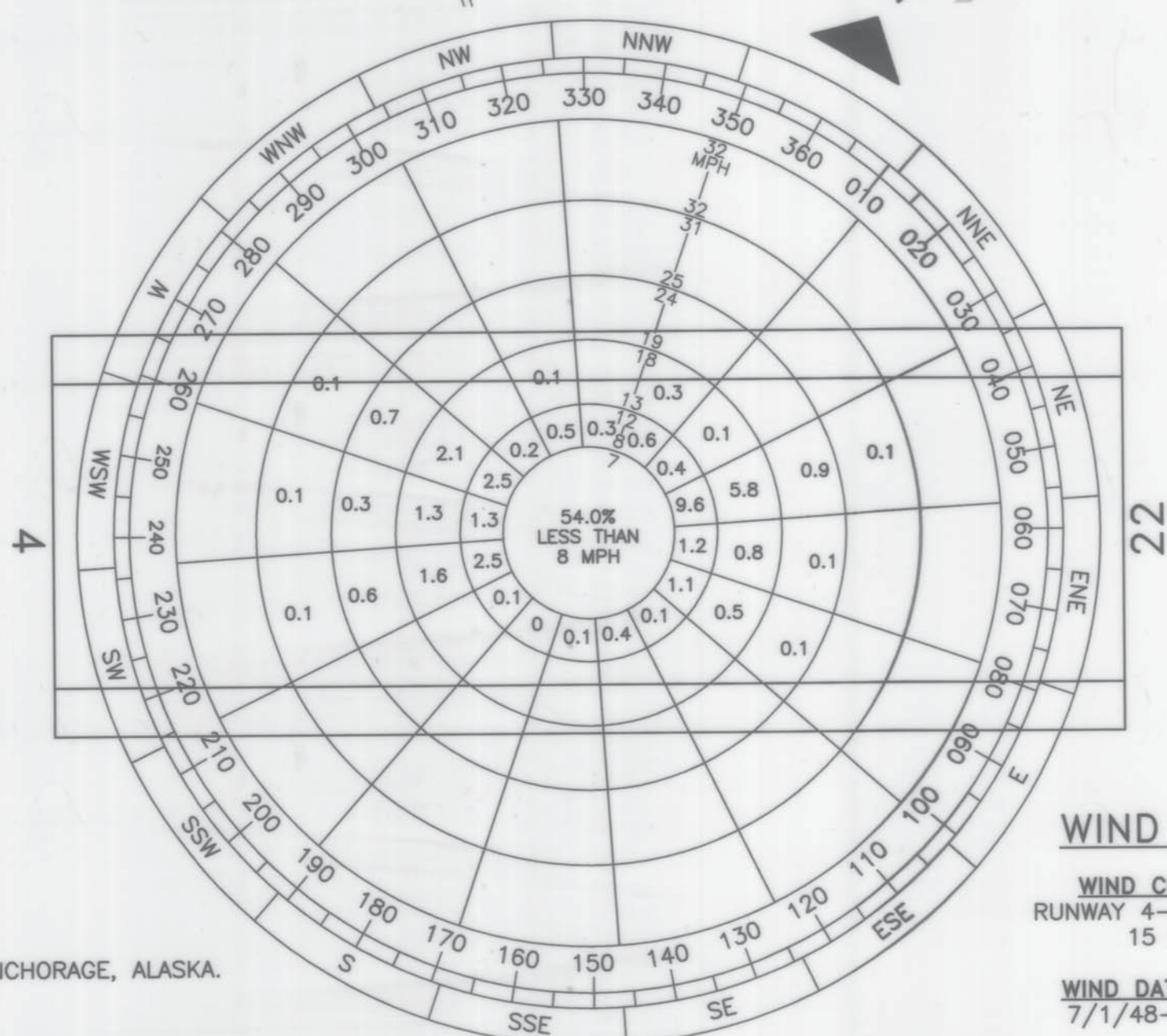


AIRPORT DATA		
	EXISTING	PROPOSED
NATIONAL / FAA [ICAO] AIRPORT IDENTIFIER	FYU / PFYU	FYU / PFYU
FAA SITE NUMBER	50235,*A	50235,*A
AIRPORT ELEVATION	437.52	438.07
AIRPORT REFERENCE CODE	B-III	B-III
MEAN DAILY MAX. TEMP. HOTTEST MONTH (JULY)	72°	72°
TAXIWAY LIGHTING	MITL	MITL
RAMP LIGHTING	NONE	NONE
AIRPORT & TERMINAL NAVIGATION AIDS	BEACON, NDB, VORTAC, AWOS, DF	SAME
COMMUNICATION AIDS	RCO, VHF/UHF	SAME
AIRPORT REFERENCE POINT (ARP)	LAT. 66°34'20.67"N LONG. 145°14'46.80"W	LAT. 66°34'07.12"N LONG. 145°15'46.50"W
THRESHOLD 04	LAT. 66°34'31.48"N LONG. 145°13'59.11"W	LAT. 66°34'32.84"N LONG. 145°13'53.10"W
THRESHOLD 22	LAT. 66°34'31.48"N LONG. 145°13'59.11"W	LAT. 66°34'32.84"N LONG. 145°13'53.10"W
SURVEY SOURCE AND TYPE	NONE	NONE
AIRPORT BUILDINGS AND FACILITIES	SEE SHEET 3	SEE SHEET 3
MAGNETIC DECLINATION / RATE OF CHANGE	23°51'E (2006)	0°24'W / YEAR

RUNWAY DATA		
	EXISTING	PROPOSED
EFFECTIVE GRADIENT	0.048%	0.0%
RUNWAY SURFACE TYPE	GRAVEL	GRAVEL
FAR PART 77 APPROACH CATEGORY	NON-PRECISION INSTRUMENT	NON-PRECISION INSTRUMENT
APPROACH SLOPE R/W 4	34:1	34:1
APPROACH SLOPE R/W 22	34:1	34:1
APPROACH VISIBILITY MINIMUM	≥ 1 MILE	≥ 1 MILE
RUNWAY LIGHTING	MIRL	MIRL
RUNWAY MARKING	NONE	NONE
NAVIGATIONAL AND VISUAL AIDS	MALSF, VASI	PAPI, MALSF, RAIL
R/W DIMENSIONS	150'x5,000' / 5,810'	100' x 5,000'
R/W SAFETY AREA	250' x 6,010'	300' x 6,200'
R/W OBJECT FREE AREA (ROFA)	800' x 6,200'	800' x 6,200'
R/W OBSTACLE FREE ZONE (ROFZ)	400' x 5,400'	400' x 5,400'
PRECISION OFZ	SEE TABLE, SHEET 3	
T/W DATA	SEE TABLE, SHEET 3	
RPZ R/W 4	1700'x1010'x500'	1700'x1010'x500'
RPZ R/W 22	1700'x1010'x500'	1700'x1010'x500'
DESIGN AIRCRAFT	B-III (DC-6)	

LEGEND	
AIRPORT PROPERTY LINE	---
PROPERTY LINE	---
BUILDING RESTRICTION LINE (B.R.L.)	---
DEVELOPMENT	---
WIND CONE & SEGMENTED CIRCLE	EXISTING (circle with cross), PROPOSED (circle with dot)
WIND CONE ONLY	---
BUILDING	---
ROADWAY	---
TOPOGRAPHIC CONTOURS	---
FENCE	---
AIRPORT REFERENCE POINT (ARP)	⊙
ROTATING BEACON	⊛
ANTENNA/TOWER	⊠
PAPI (PROPOSED)	⋯
TREE	⊙
SHORELINE/WATERLINE	---
THRESHOLD	---
OVERHEAD POWER	---
VASI (EXISTING)	⊠

NONSTANDARD CONDITIONS			
ITEM	STANDARD	EXISTING	PROPOSED
RUNWAY 04-22 SAFETY AREA WIDTH	300'	250'	300'
RUNWAY SAFETY AREA LENGTH BEYOND THRESHOLD	600'	R/W 04: 600' R/W 22: 200'	R/W 04: 800' R/W 22: 600'
LANDFILL SEPARATION *	10,000'	3000'	>10,000'
STRUCTURES WITHIN RPZ	NONE	> 20	TO REMAIN
FAR PART 77 ROAD CLEARANCE	15'	3.7'	8.4'



WIND DATA
WIND COVERAGE
RUNWAY 4-22 = 100%
15 MPH
WIND DATA PERIOD
7/1/48-9/30/63

DESIGN	KAR
DRAWN	RJP
CHECKED	KAR
BY	DATE
REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION - DESIGN AND ENGINEERING SERVICES

APPROVED
Cindie Little
CINDIE LITTLE, P.E.

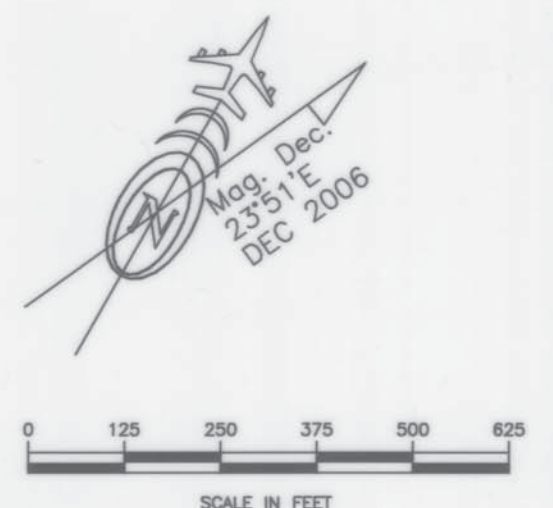
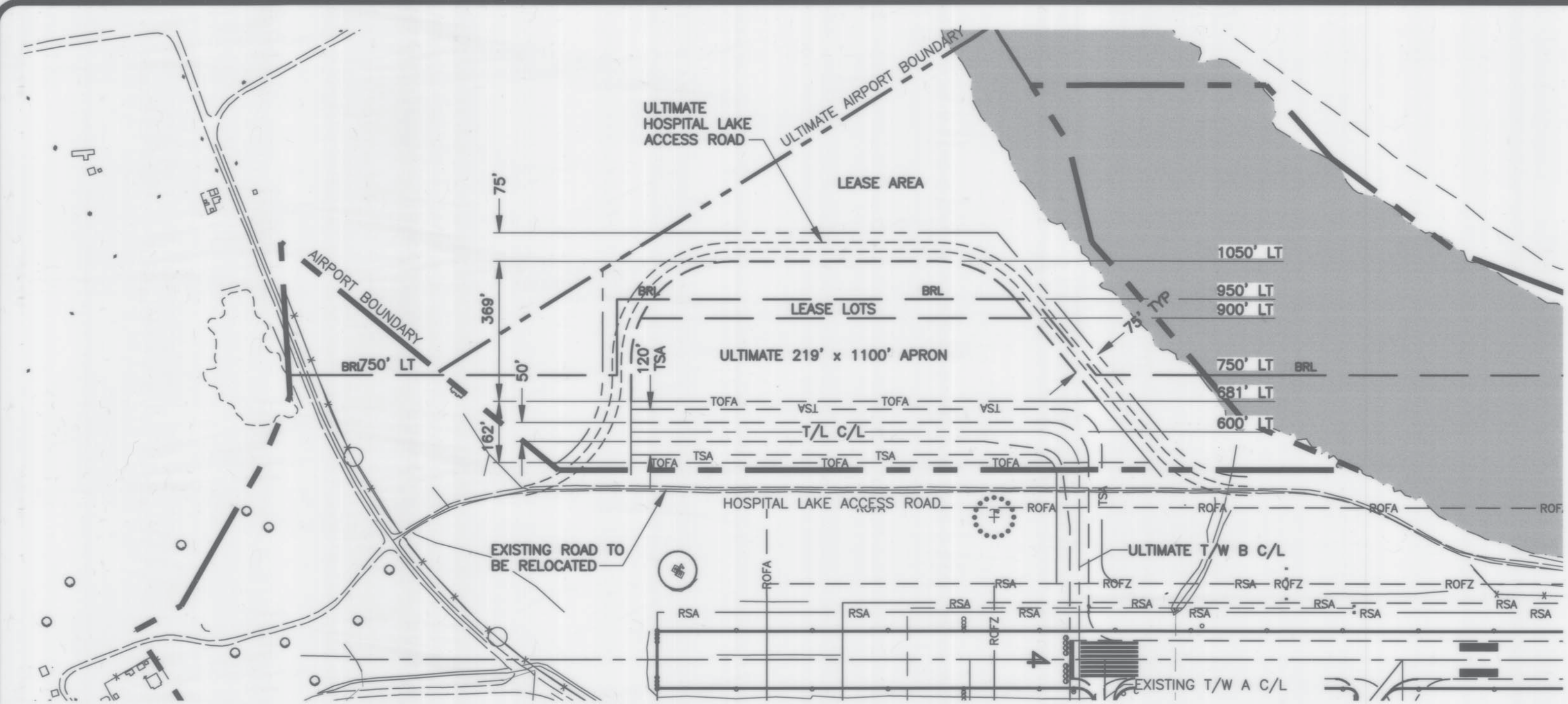
DATE 1/14/09
DESIGN GROUP CHIEF

REVISED AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 1/22/05
[Signature]
AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2007-AAL-14-NRA

PLANS DEVELOPED BY:
PDC, INC.

FORT YUKON AIRPORT
AIRPORT LAYOUT DRAWING
PROPOSED LAYOUT

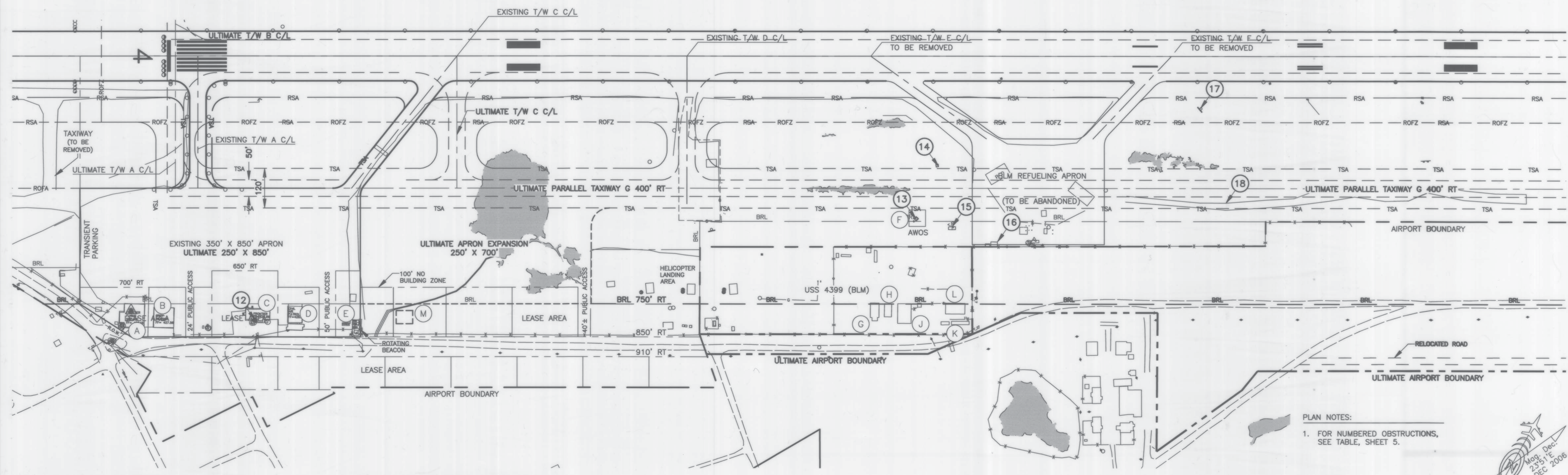
SHEET
2 OF 5



WEST TERMINAL PLAN

ID	STRUCTURE NAME	TOP ELEV.	OBSTRUCTION MARKING (2/20)		R/W STATION AND OFFSET
			EXISTING	ULTIMATE	
A	TERMINAL - ANTENNA	449.9'	N	N	STA 121+71.1, 749.6' RT
B	HANGAR - ANTENNA	470.1'	N	N	STA 121+70.3, 770.0' RT
C	TERMINAL - ANTENNA	460.8'	N	N	STA 122+70.6, 761.2' RT
D	HANGAR - ANTENNA	451.3'	N	N	STA 125+17.0, 781.6' RT
E	HANGAR - ANTENNA	482.2'	N	N	STA 125+46.6, 798.8' RT
F	OFFICE, FUEL TANK & BEACON	448.7'	N	N	STA 128+67.7, 756.4' RT
G	FAA AWOS (TO BE RELOCATED)	474.9'	N	N	STA 128+67.0, 828.3' RT
H	BLM SHOP	443.7'	N	N	STA 145+48.8, 492.0' RT
I	BLM ELEC. BLDG	UNKNOW	N	N	STA 144+24.1, 746.8' RT
J	BLM MESS HALL	457.6'	N	N	STA 144+64.6, 749.1' RT
K	BLM BUNKHOUSE	454.1'	N	N	STA 145+14.1, 749.1' RT
L	BLM BUNKHOUSE	UNKNOW	N	N	STA 146+70.2, 802.5' RT
M	BLM GARAGE	UNKNOW	N	N	STA 146+67.8, 747.7' RT
N	ULTIMATE SREB	UNKNOW	N	N	TO BE DETERMINED

T/W	R/W STA.	EXISTING		ULTIMATE	
		WIDTH	S/A WIDTH	WIDTH	S/A WIDTH
A	123+73 RT	50'	85'		
B	123+05 RT	N/A	N/A	50'	120'
C	123+05 LT	N/A	N/A	50'	120'
D	131+58 RT	50'	50'	50'	120'
E	138+55 RT	50'	65'	50'	120'
F	144+12.25 RT	50'	50'	TO BE REMOVED	TO BE REMOVED
G	153+22 RT	50'	50'	TO BE REMOVED	TO BE REMOVED
H	171+40 RT	N/A	N/A	50'	120'



PLAN NOTES:
1. FOR NUMBERED OBSTRUCTIONS, SEE TABLE, SHEET 5.

EAST TERMINAL PLAN

DESIGN: KAR
DRAWN: RJP
CHECKED: KAR

BY	DATE	REVISIONS

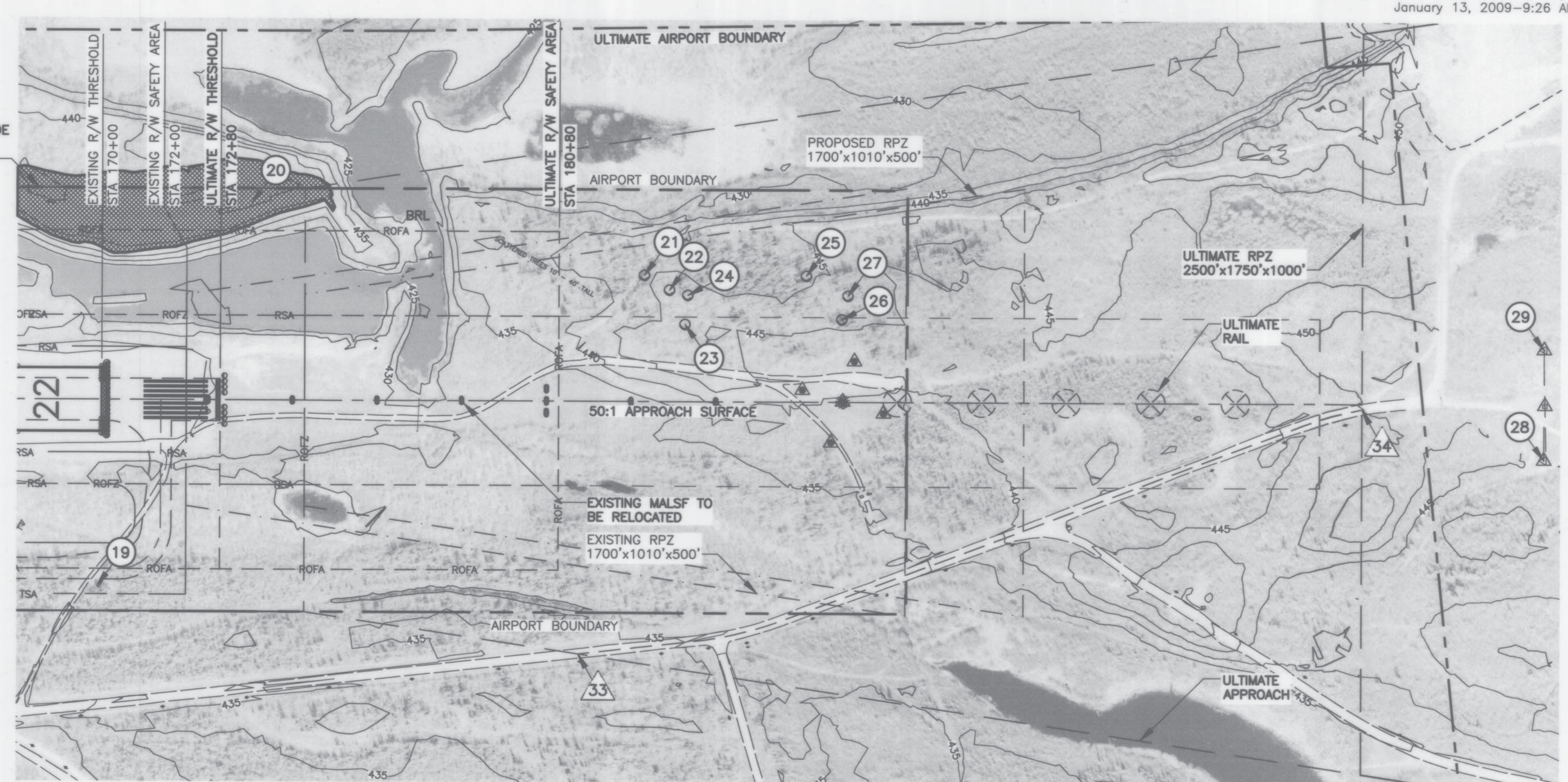
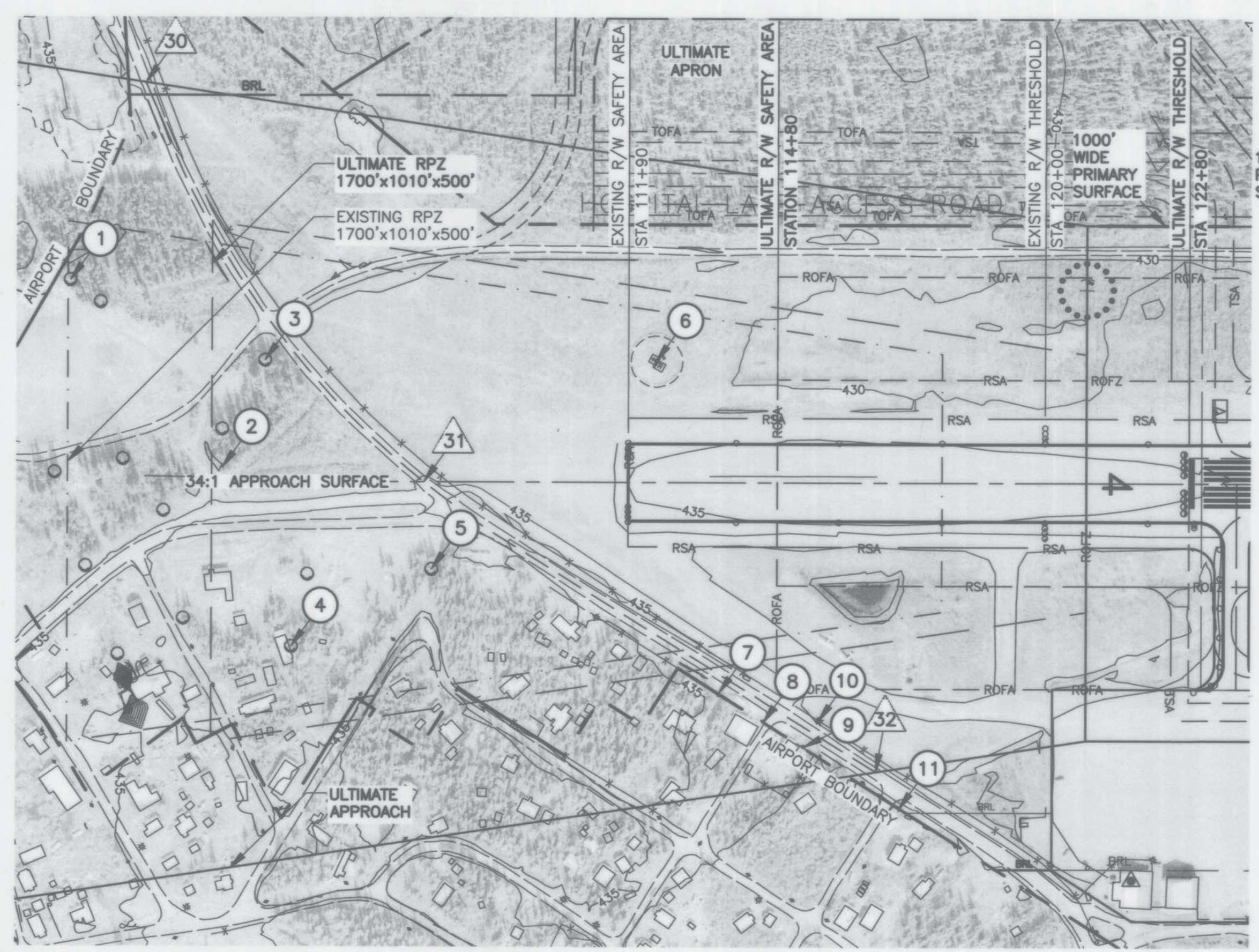
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION - DESIGN AND ENGINEERING SERVICES
APPROVED: *Cindie Little*
CINDIE LITTLE, P.E. DATE: 1/14/09
DESIGN GROUP CHIEF

REVISED AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 1/22/09
[Signature]
AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2007-AAL-14-NRA

PLANS DEVELOPED BY:
PDC, INC.

FORT YUKON AIRPORT
AIRPORT LAYOUT PLAN
TERMINAL PLAN

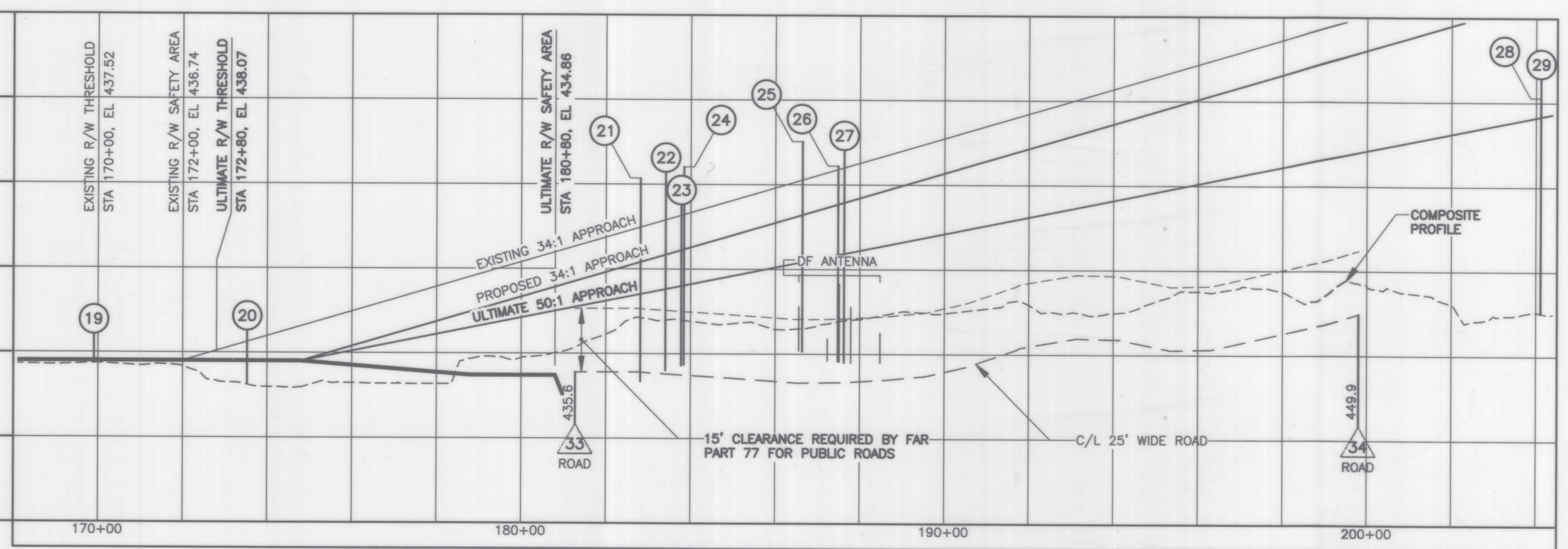
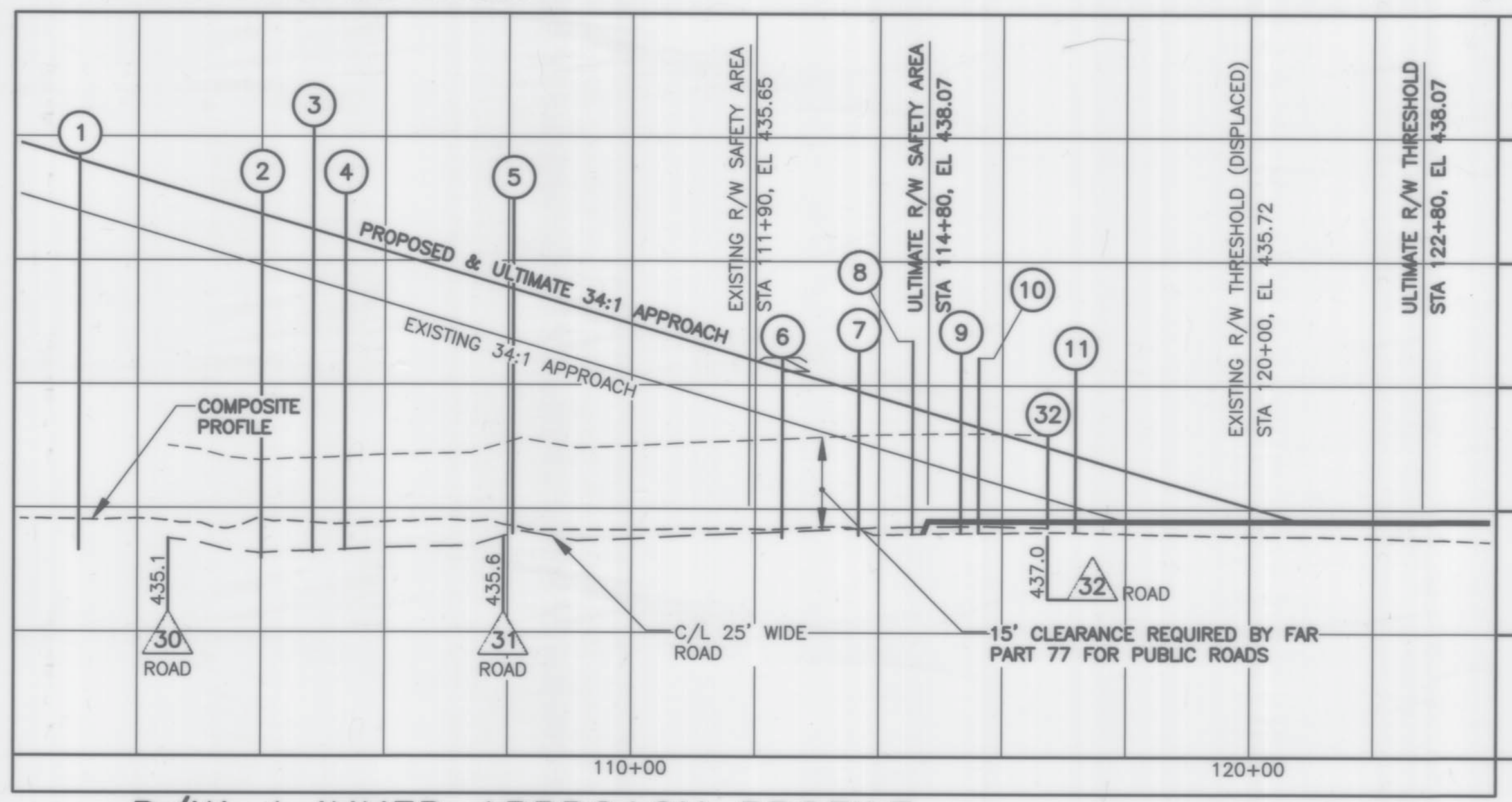
SHEET
3 OF 5



- NOTES:
1. NO OFZ OBJECT PENETRATIONS.
 2. NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS.
 3. SEE SHEET 5 FOR OBSTRUCTION TABLE.
 4. BUILDINGS SHOWN IN THE PHOTO BACKGROUND ARE NOT OBSTRUCTIONS. THESE ITEMS ARE NOT SURVEYED. STRUCTURES VARY FROM 8'± TO 20'± IN HEIGHT

R/W 4 INNER APPROACH PLAN

R/W 22 INNER APPROACH PLAN



R/W 4 INNER APPROACH PROFILE

R/W 22 INNER APPROACH PROFILE

DESIGN: KAR
DRAWN: RJP
CHECKED: KAR

BY	DATE	REVISIONS

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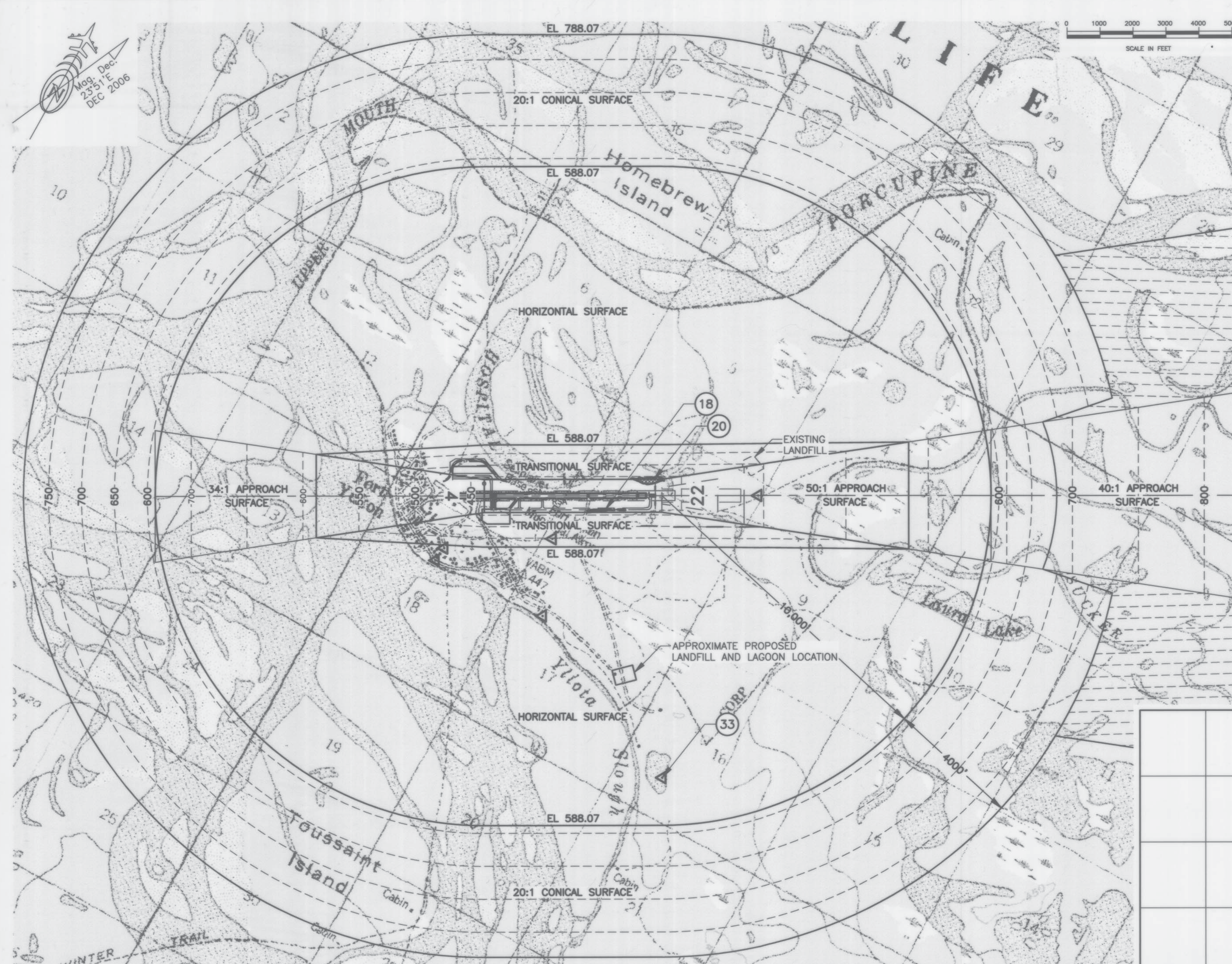
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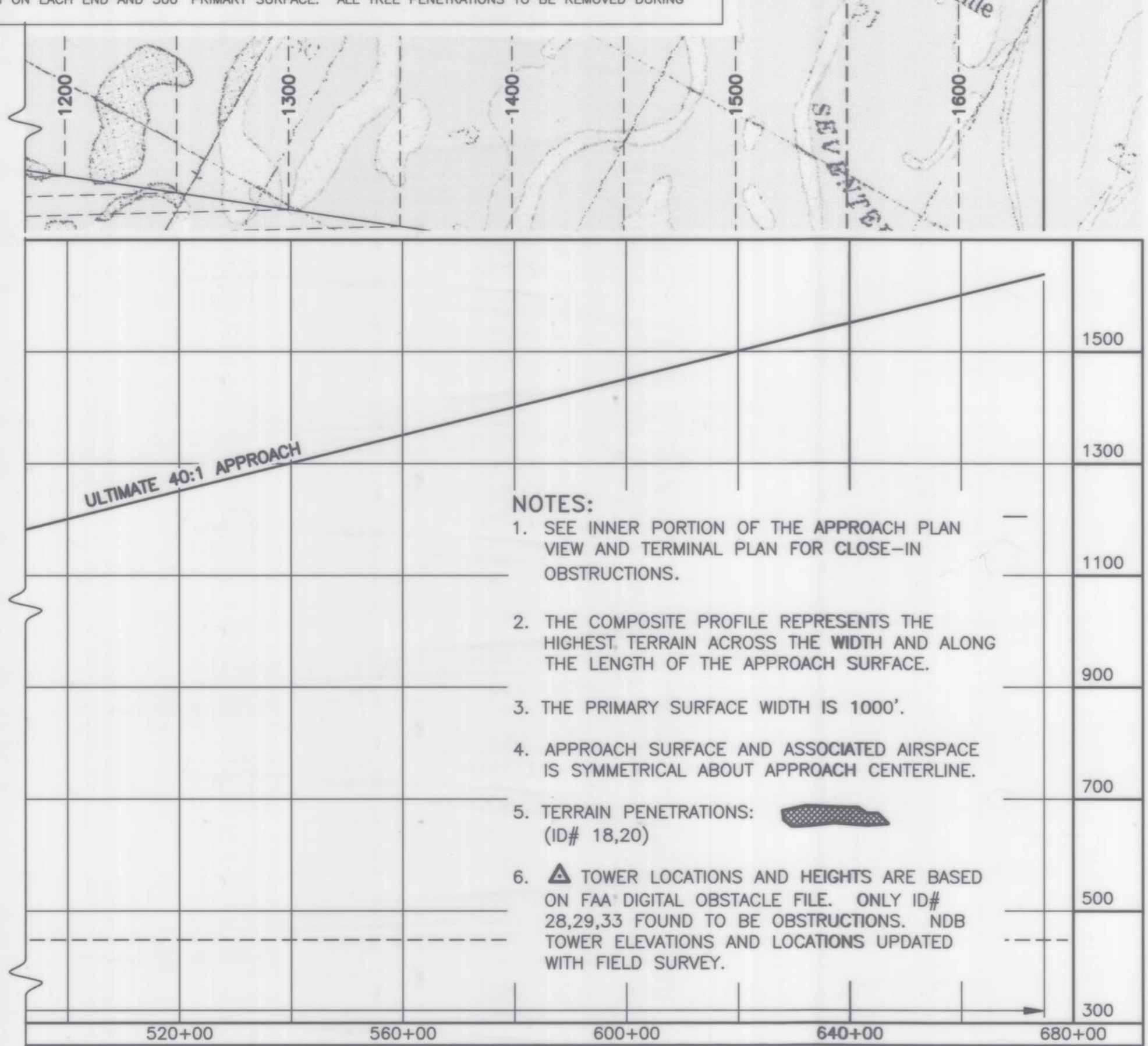
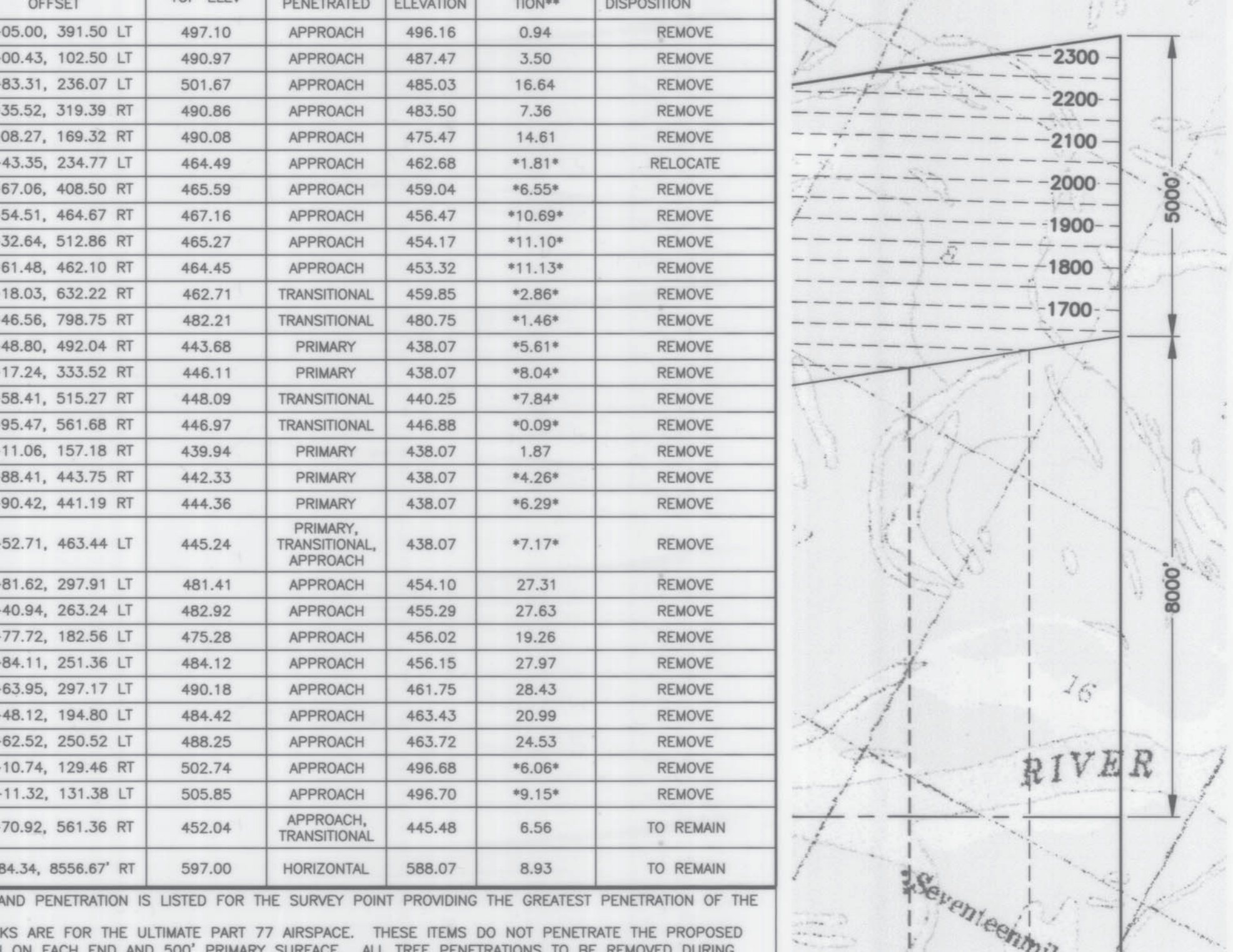
FORT YUKON AIRPORT
INNER PORTION OF THE
APPROACH SURFACE DRAWING

SHEET
4 OF
5

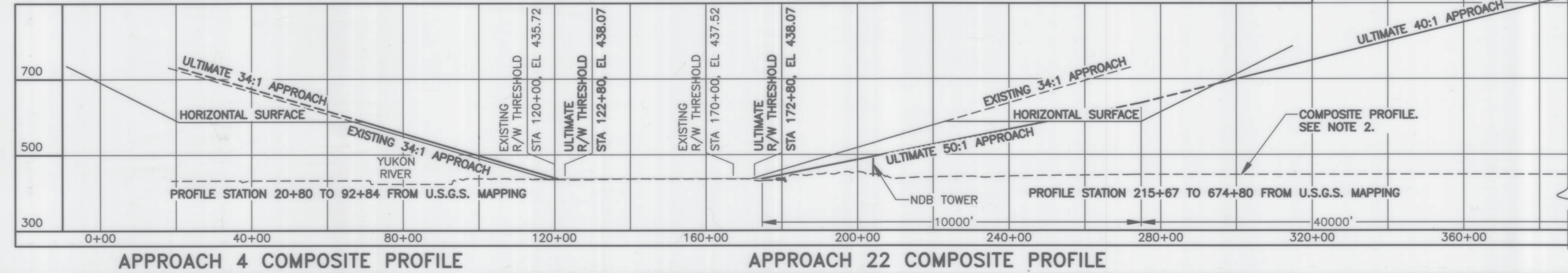


ID	DESCRIPTION	STATION & OFFSET	TOP ELEV	SURFACE PENETRATED	SURFACE ELEVATION	PENETRATION**	ULTIMATE DISPOSITION
1	TREE TOP	101+05.00, 391.50 LT	497.10	APPROACH	496.16	0.94	REMOVE
2	TREE TOP	104+00.43, 102.50 LT	490.97	APPROACH	487.47	3.50	REMOVE
3	TREE TOP	104+83.31, 236.07 RT	501.67	APPROACH	485.03	16.64	REMOVE
4	TREE TOP	105+35.52, 319.39 RT	490.86	APPROACH	483.50	7.36	REMOVE
5	TREE TOP	108+08.27, 169.32 RT	490.08	APPROACH	475.47	14.61	REMOVE
6	LIGHTED WINDSOCK	112+43.35, 234.77 LT	464.49	APPROACH	462.68	*1.81*	RELOCATE
7	POWER POLE	113+67.06, 408.50 RT	465.59	APPROACH	459.04	*6.55*	REMOVE
8	POWER POLE	114+54.51, 464.67 RT	467.16	APPROACH	456.47	*10.69*	REMOVE
9	POWER POLE	115+32.64, 512.86 RT	465.27	APPROACH	454.17	*11.10*	REMOVE
10	POWER POLE	115+61.48, 462.10 RT	464.45	APPROACH	453.32	*11.13*	REMOVE
11	POWER POLE	117+18.03, 632.22 RT	462.71	TRANSITIONAL	459.85	*2.86*	REMOVE
12	ANTENNA	125+46.56, 798.75 RT	482.21	TRANSITIONAL	480.75	*1.46*	REMOVE
13	BUILDING	145+48.80, 492.04 RT	443.88	PRIMARY	438.07	*5.81*	REMOVE
14	TOWER RAIL	146+17.24, 333.52 RT	446.11	PRIMARY	438.07	*8.04*	REMOVE
15	BUILDING	146+58.41, 515.27 RT	448.09	TRANSITIONAL	440.25	*7.84*	REMOVE
16	BUILDING	147+95.47, 561.66 RT	446.97	TRANSITIONAL	446.88	*0.09*	REMOVE
17	SIGN	154+11.06, 157.18 RT	439.94	PRIMARY	438.07	1.87	REMOVE
18	TERRAIN *	154+88.41, 443.75 RT	442.33	PRIMARY	438.07	*4.26*	REMOVE
19	BUILDING	169+90.42, 441.19 RT	444.36	PRIMARY	438.07	*6.29*	REMOVE
20	TERRAIN *	173+52.71, 463.44 LT	445.24	PRIMARY, TRANSITIONAL, APPROACH	438.07	*7.17*	REMOVE
21	TREE TOP	182+81.62, 297.91 LT	481.41	APPROACH	454.10	27.31	REMOVE
22	TREE TOP	183+40.94, 263.24 LT	482.92	APPROACH	455.29	27.63	REMOVE
23	TREE TOP	183+77.72, 182.56 LT	475.28	APPROACH	456.02	19.26	REMOVE
24	TREE TOP	183+84.11, 251.36 LT	484.12	APPROACH	456.15	27.97	REMOVE
25	TREE TOP	186+63.95, 297.17 LT	490.18	APPROACH	461.75	28.43	REMOVE
26	TREE TOP	187+48.12, 194.80 LT	484.42	APPROACH	463.43	20.99	REMOVE
27	TREE TOP	187+62.52, 250.52 LT	488.25	APPROACH	463.72	24.53	REMOVE
28	NDB TOWER	204+10.74, 129.46 RT	502.74	APPROACH	496.68	*6.06*	REMOVE
29	NDB TOWER	204+11.32, 131.38 LT	505.85	APPROACH	496.70	*9.15*	REMOVE
32	15' ROAD CLEARANCE	116+70.92, 561.36 RT	452.04	APPROACH, TRANSITIONAL	445.48	6.56	TO REMAIN
33	TOWER	174+84.34, 856.67 RT	597.00	HORIZONTAL	588.07	8.93	TO REMAIN

* TERRAIN OBSTRUCTION LOCATION AND PENETRATION IS LISTED FOR THE SURVEY POINT PROVIDING THE GREATEST PENETRATION OF THE FAR PART 77 SURFACES.
** PENETRATION VALUES IN ASTERISKS ARE FOR THE ULTIMATE PART 77 AIRSPACE. THESE ITEMS DO NOT PENETRATE THE PROPOSED AIRSPACE WITH THE 34:1 APPROACH ON EACH END AND 500' PRIMARY SURFACE. ALL TREE PENETRATIONS TO BE REMOVED DURING PROPOSED DEVELOPMENT PHASE.



NOTES:
1. SEE INNER PORTION OF THE APPROACH PLAN VIEW AND TERMINAL PLAN FOR CLOSE-IN OBSTRUCTIONS.
2. THE COMPOSITE PROFILE REPRESENTS THE HIGHEST TERRAIN ACROSS THE WIDTH AND ALONG THE LENGTH OF THE APPROACH SURFACE.
3. THE PRIMARY SURFACE WIDTH IS 1000'.
4. APPROACH SURFACE AND ASSOCIATED AIRSPACE IS SYMMETRICAL ABOUT APPROACH CENTERLINE.
5. TERRAIN PENETRATIONS: (ID# 18,20)
6. TOWER LOCATIONS AND HEIGHTS ARE BASED ON FAA DIGITAL OBSTACLE FILE. ONLY ID# 28,29,33 FOUND TO BE OBSTRUCTIONS. NDB TOWER ELEVATIONS AND LOCATIONS UPDATED WITH FIELD SURVEY.



DESIGN	KAR	
DRAWN	RJP	
CHECKED	KAR	
BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION - DESIGN AND ENGINEERING SERVICES
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AIRPORT AIRSPACE DRAWING