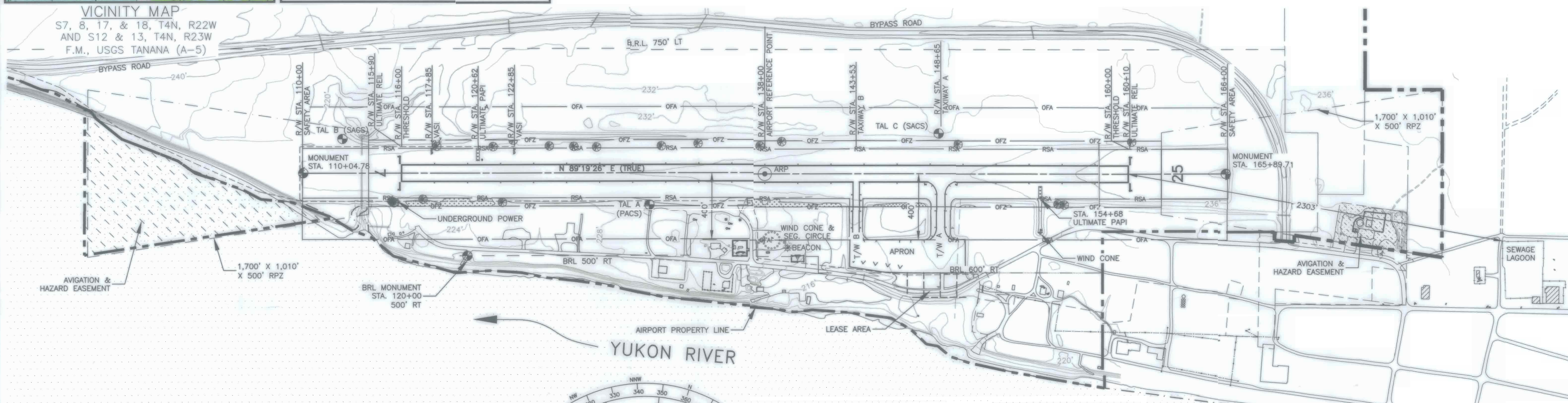


- NOTES:
- TREES AND BRUSH CONSTITUTE OFZ OBJECT PENETRATIONS, SEE PLAN FOR LOCATIONS.
 - THE NAD83 ALASKA STATE PLANE ZONE 5 GRID BEARING OF RUNWAY 7/25 N. 87°36'25" E.
 - CONTOUR INTERVAL = 4 FEET

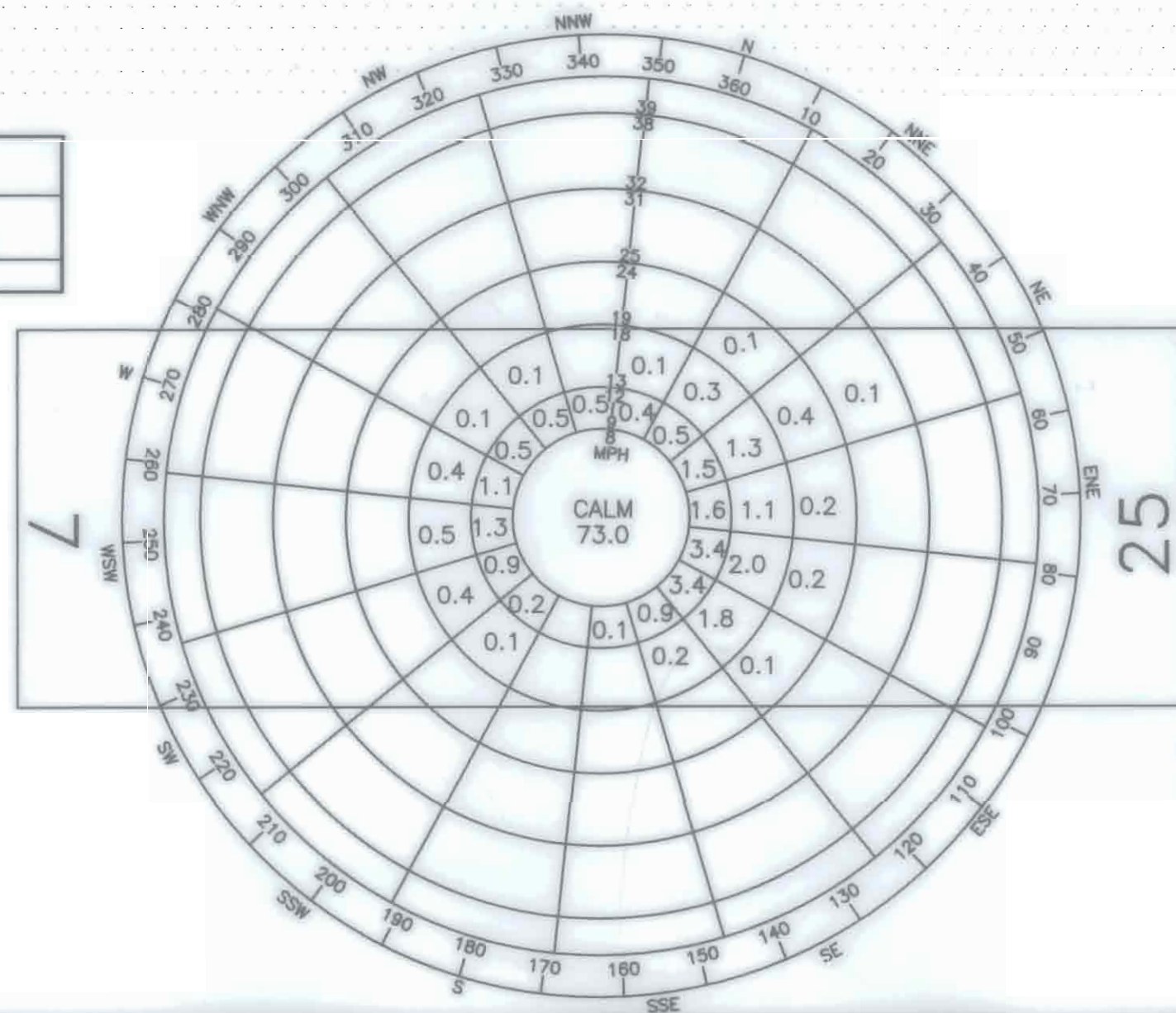
AIRPORT SURVEY CONTROL				
MONUMENT	LATITUDE	LONGITUDE	ELEVATION	DESCRIPTION
STA 110+04.78	N65° 10' 27.51"	W152° 07' 34.63"	228.3'	ALUM CAP MONUMENT
STA 165+89.71	N65° 10' 28.15"	W152° 05' 23.89"	243.6'	ALUM CAP MONUMENT
TAL A (PACS)	N65° 10' 25.85"	W152° 06' 45.51"	227.9'	
TAL B (SACS)	N65° 10' 29.57"	W152° 07' 29.15"	225.2'	
TAL C (SACS)	N65° 10' 30.34"	W152° 06' 04.65"	232.5'	

GEOGRAPHIC COORDINATES						
ITEM	EXISTING LATITUDE*	EXISTING LONGITUDE*	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	N65° 10' 27.83"	W152° 06' 29.20"	-	SAME	SAME	-
THRESHOLD 7	N65° 10' 27.58"	W152° 07' 20.70"	229.80'	SAME	SAME	SAME
THRESHOLD 25	N65° 10' 28.09"	W152° 05' 37.70"	242.30'	SAME	SAME	SAME

*NAD83



MODIFICATION TO STANDARDS/ NON STANDARD CONDITIONS			
DESCRIPTION	STANDARD	EXISTING	ULTIMATE CONDITION
LANDFILL SEPERATION	10,000'	6,000'	NO CHANGE



WIND ROSE
18 MPH
WIND DATA
PERCENT WIND COVERAGE
RUNWAY: 7-25
12 MPH = 97.96%
15 MPH = 98.84%
18 MPH = 99.12%

ENRI UNIVERSITY OF ALASKA, ANCHORAGE
WIND DATA PERIOD: 7/1/1948 TO 3/10/1971

RUNWAY DATA		
ITEM	EXISTING	ULTIMATE
APPROACH SLOPE/OCS*	20:1/20:1	SAME/SAME
VISIBILITY MINIMUM	≥ 1 MILE	SAME/SAME
RUNWAY SURFACE	GRAVEL	
PAVEMENT STRENGTH	-	-
RUNWAY DESIGN CODE (RDC)	B-III-4000	B-III-4000
RUNWAY REFERENCE CODE (RRC)	B/III/4000	B-III-4000
RUNWAY DIMENSIONS	4,400' X 100'	
MEAN GEODETIC BEARING	N89°19'26"E	
EFFECTIVE GRADE	0.29%	
RUNWAY SAFETY AREA (RSA) DIMENSIONS	5,600' X 300'	SAME
LENGTH BEYOND RUNWAY ENDS	600'/600'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	RW 7 = 1,700' X 1,010' X 500' RW 25 = 1,700' X 1,010' X 500'	
RUNWAY OBJECT FREE AREA (OFA) DIMENSIONS	5,600' X 800'	
LENGTH BEYOND RUNWAY ENDS	600'/600'	SAME/SAME
RUNWAY OBSTACLE FREE ZONE (OFZ) DIMENSIONS	4,800' X 400'	
RUNWAY LIGHTING TYPE	MIRL	
RUNWAY MARKING TYPE	NONE	
RUNWAY VISUAL APPROACH AIDS	VASI	PAPI, REIL
TOUCHDOWN ELEVATION NAVD88	234.9'/242.3'	SAME/SAME

*FROM FAA AC 150/5300-13A

LEGEND		
	EXISTING	ULTIMATE
PROPERTY LINE	---	---
BUILDING RESTRICTION LINE (B.R.L.)	B.R.L.	B.R.L.
DEVELOPMENT	[Symbol]	[Symbol]
WIND CONE & SEGEMENTED CIRCLE	[Symbol]	[Symbol]
WIND CONE ONLY	[Symbol]	[Symbol]
BUILDING	[Symbol]	[Symbol]
ROADWAY	[Symbol]	[Symbol]
REIL	[Symbol]	[Symbol]
PAPI	[Symbol]	[Symbol]
OFZ PENETRATION TREE (SINGLE)	[Symbol]	[Symbol]
OFZ PENETRATION TREES & BUSHES	[Symbol]	[Symbol]
AVIGATION EASEMENT	[Symbol]	AIRPORT REFERENCE POINT
ROTATING BEACON	[Symbol]	SHORELINE/WATERLINE
ANTENNA/TOWER	[Symbol]	TREELINE
VASI	[Symbol]	THRESHOLD
PRIMARY MONUMENT	[Symbol]	OVERHEAD POWER

AIRPORT DATA		
ITEM	EXISTING	UTIMATE
ICAO IDENTIFIER	PATA	
NATIONAL AIRPORT IDENTIFIER	TAL	
FAA SITE NUMBER	50746.A	
NPIAS ROLE	-	
AIRPORT REFERENCE CODE	B-III	SAME
AIRPORT ELEVATION NAVD88	242.30	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	VOR, DME, NDB, BEACON	SAME + PAPI, REIL
TAXIWAY LIGHTING/MARKING	MITL	
MEAN MAX. TEMPERATURE, HOTTEST MONTH *	71° JULY	
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE **	19°17'E, JAN 1, 2010, 20.7'W / YEAR	
OBSTRUCTION SURVEY SOURCE & TYPE	R&M CONSULTANTS, INC. 2010/ VERTICALLY GUIDED AIRPORT AIRSPACE ANALYSIS SURVEY	

DATA FROM (*) THE WESTERN REGIONAL CLIMATE CENTER (**) NATIONAL GEOPHYSICAL DATA CENTER

DESIGN NBS/PRB		
DRAWN JDS/MIM	06/13	AERONAUTICAL SURVEY UPDATE
	02/09	ALP AS-BUILT
CHECKED EJG	12/31/01	FAA APPROVED
BY DATE	REVISIONS	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED
Richard J. Stumpf
RICHARD J. STUMPF, P.E.

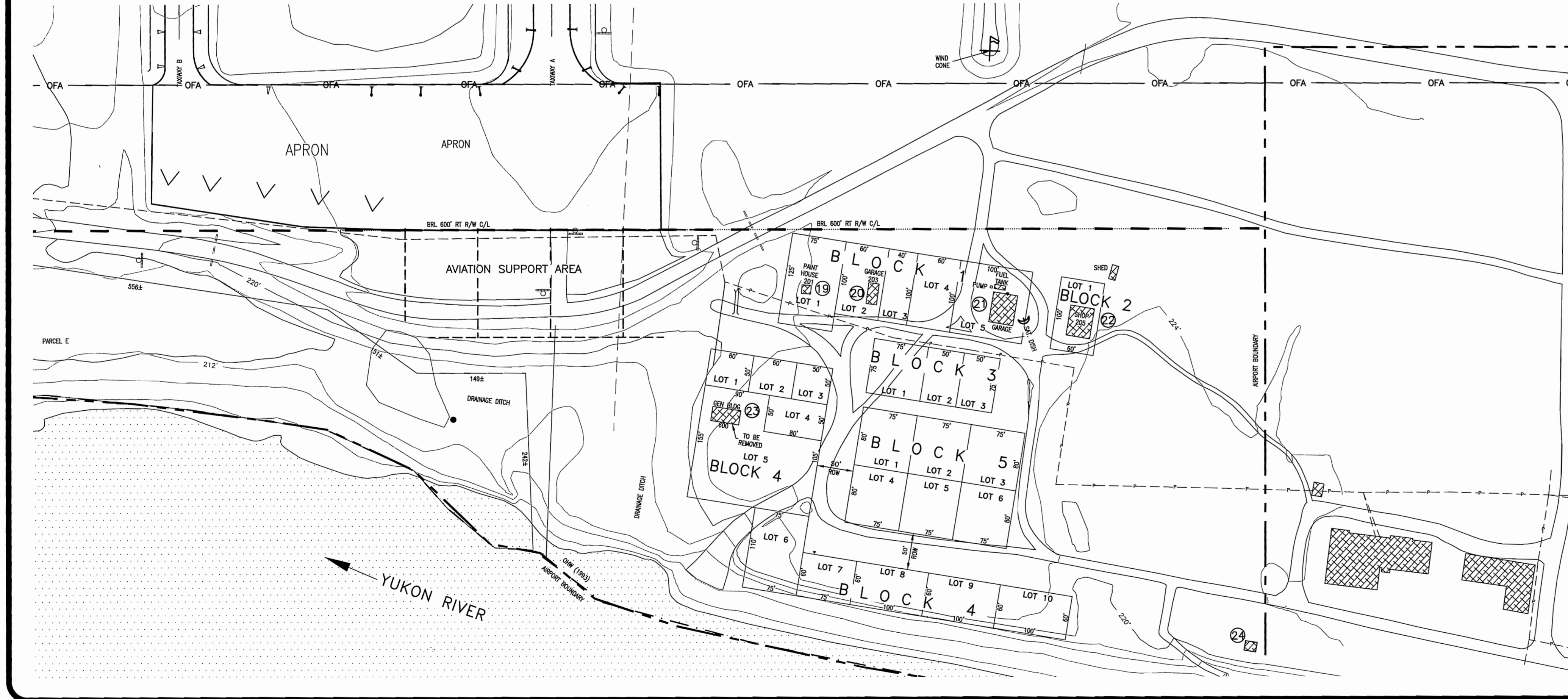
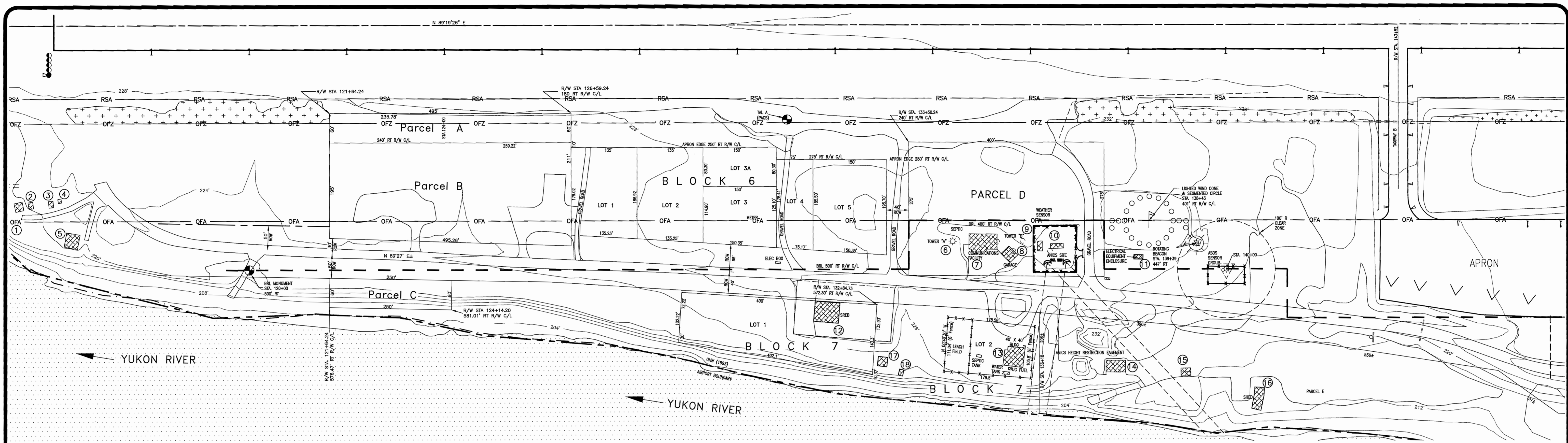
DATE 4/7/13
ACTING DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 8/14/13

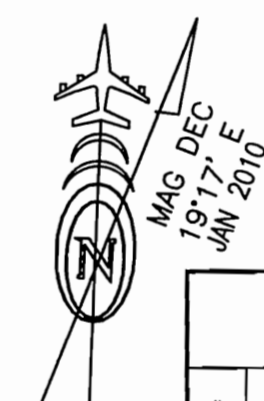
[Signature]
AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2001-AAL-13-NR

THIS ALP SUPERSEDES THE ALP SIGNED 03/16/09.

RALPH M. CALHOUN MEMORIAL AIRPORT
TANANA, ALASKA
AIRPORT LAYOUT PLAN

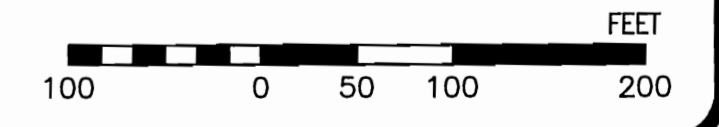


TAXIWAY DESIGNATION	T/W DIMENSIONS	T/W SAFETY AREA WIDTH	T/W OFA	AIRPLANE DESIGNATION GROUP	INTERSECTION WITH RUNWAY CENTERLINE	REMARKS
A	50' X 350'	120'	186'	III	RW 7-25 STA. 148+65	INTERCONNECT TAXIWAY AT RW 25 AND APRON
B	39' X 350'	80'	131'	II	RW 7-25 STA. 143+52	INTERCONNECT TAXIWAY AT RW 25 AND APRON



APRON	DIMENSIONS (FEET)	AREA (SQUARE FEET)
APRON	700' x 200'	140,000

#	STRUCTURE NAME	TOP ELEV.	SURFACE PENETRATION	DISPOSITION
1	BUILDING, UNKNOWN	231.1'	NO	TO REMAIN.
2	BUILDING, UNKNOWN	229.1'	NO	TO REMAIN.
3	BUILDING, UNKNOWN	231.6'	NO	TO REMAIN.
4	BUILDING, UNKNOWN	230.9'	NO	TO REMAIN.
5	BUILDING 5	238.3'	NO	TO REMAIN.
6	TOWER "A" DIRECTION FINDER	266.6'	6.4'	TO REMAIN. OBSTRUCTION LIGHT EXISTS.
7	COM BLDG	250.8'	NO	TO REMAIN.
8	GARAGE	248.1'	NO	TO REMAIN.
9	TOWER "B" WEATHER EQUIP	260.0'	NO	TO REMAIN. OBSTRUCTION LIGHT EXISTS.
10	ANCS BLDG & DISHES	262.3'	NO	TO REMAIN.
11	ELEC. EQUIP. ENCL.	237.6'	NO	TO REMAIN.
12	SREB	260.4'	NO	TO REMAIN.
13	EQUIPMENT BLDG.	243.8'	NO	TO REMAIN.
14	BUILDING, UNKNOWN	237.5'	NO	TO REMAIN.
15	BUILDING, UNKNOWN	234.0'	NO	TO REMAIN.
16	SHED	217.2'	NO	TO REMAIN.
17	BUILDING, UNKNOWN	242.0'	NO	TO REMAIN.
18	BUILDING, UNKNOWN	233.6'	NO	TO REMAIN.
19	PAINT HOUSE	237.1'	NO	TO REMAIN.
20	GARAGE	236.2'	NO	TO REMAIN.
21	GARAGE	242.1'	NO	TO REMAIN.
22	SHOP	245.4'	NO	TO REMAIN.
23	GEN BLDG	242.0'	NO	TO BE REMOVED.
24	BUILDING, UNKNOWN	233.9'	NO	TO REMAIN.



DESIGN	NBS/PRB	
DRAWN	JDS/MIM	
CHECKED	EJG	
BY	DATE	REVISIONS
	06/13	AERONAUTICAL SURVEY UPDATE
	02/09	ALP AS-BUILT
	12/31/01	FAA APPROVED

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 NORTHERN REGION

APPROVED

 RICHARD J. STUMPF, P.E. DATE 5/1/15
 ACTING DESIGN GROUP CHIEF

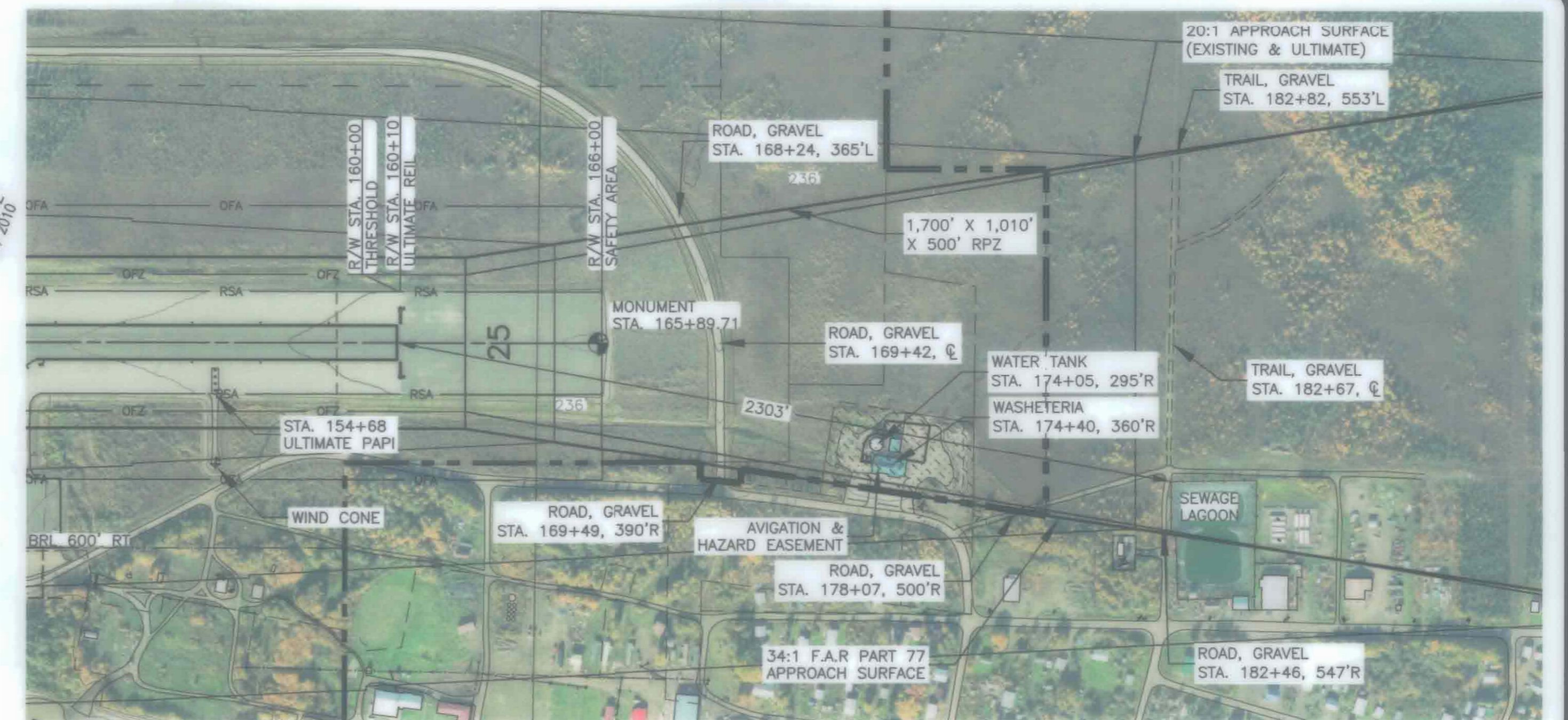
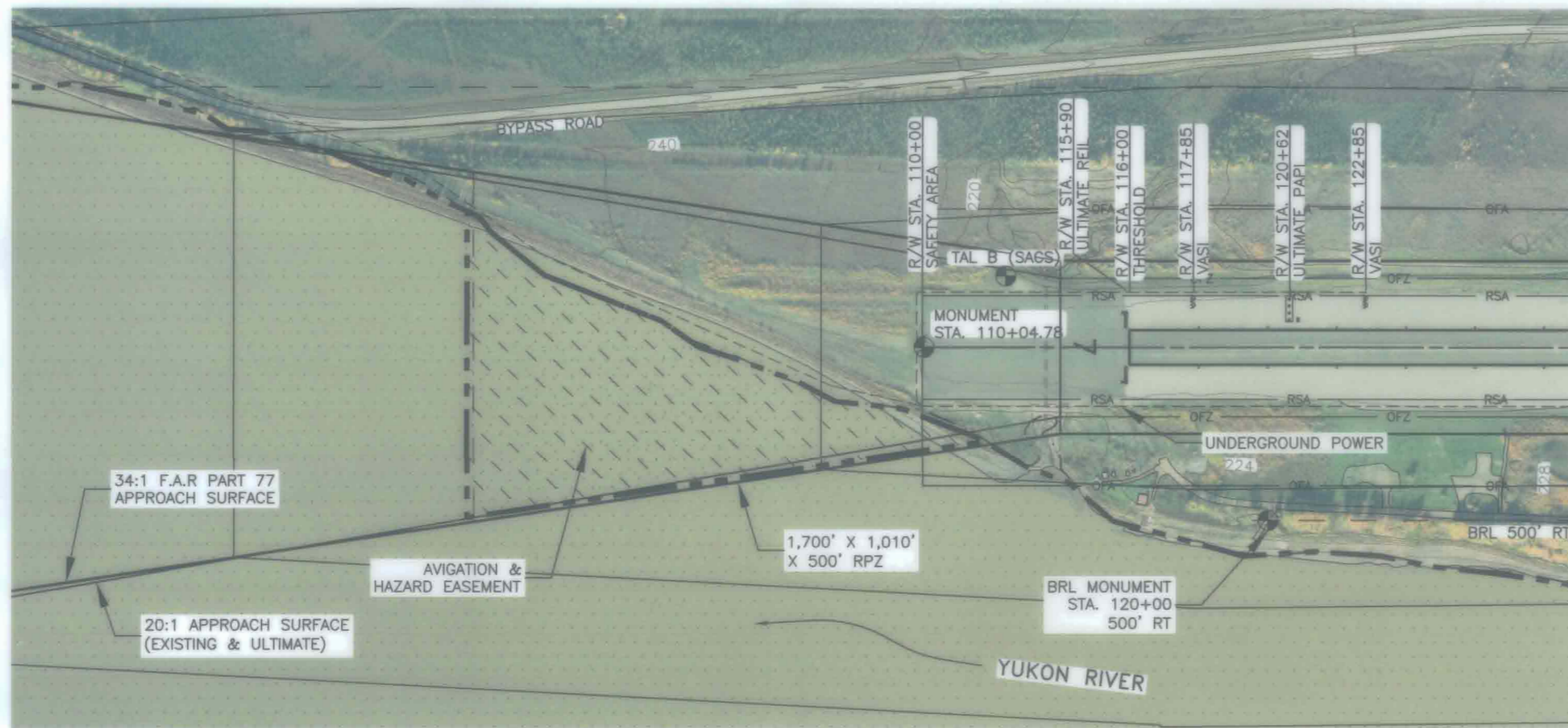
AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 5/14/15

 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
 AIRSPACE REVIEW #2001-AAL-13-NR

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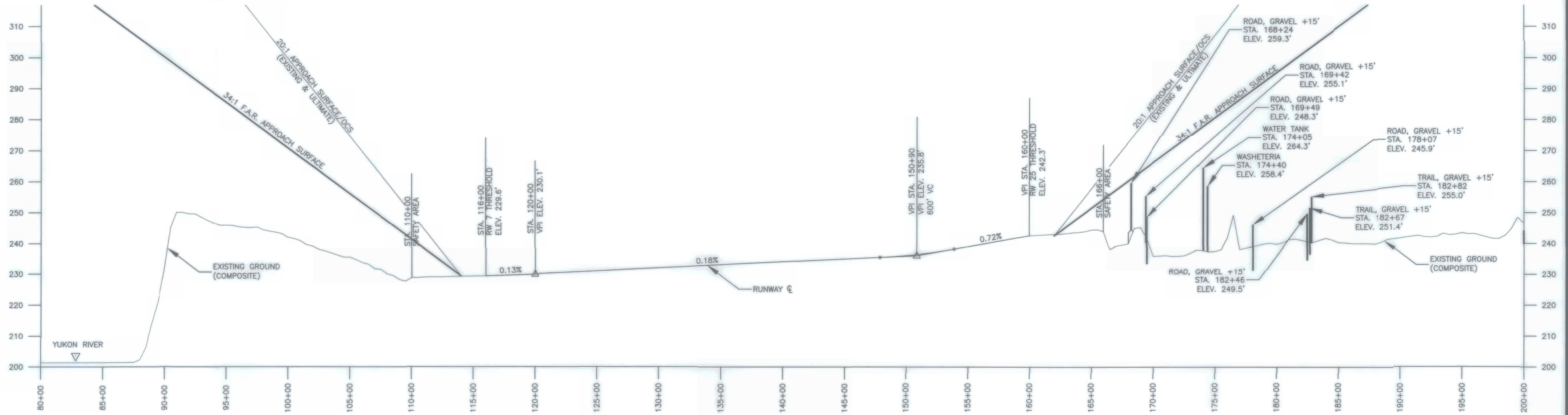
RALPH M. CALHOUN MEMORIAL AIRPORT
 TANANA, ALASKA
 TERMINAL PLAN

SHEET
 2 OF 4



R/W 7 INNER APPROACH PLAN

R/W 25 INNER APPROACH PLAN



R/W 7-25 PROFILE



NOTES:

- EXISTING GROUND COMPOSITE PROFILES ARE BASED ON THE HIGHEST TERRAIN ACROSS THE WIDTH AND ALONG THE LENGTH OF THE APPROACH SURFACES.
- THE HIGHEST THRESHOLD SITING CRITERIA FOR RW 7 AND RW 25 IS FOR NON-PRECISION APPROACH WITH INSTRUMENT MINIMUMS ≥ 1 STATUTE MILE WITH A 20:1 OBSTRUCTION CLEARANCE SURFACE. REFERENCE FAA AC 150/5300-13A, TABLE 3-2, ROW 4 FOR EXISTING AND ULTIMATE.
- THERE ARE NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS FOR RUNWAY 7 OR RUNWAY 25.

DESIGN_NBS/PRB

DRAWN_JDS/MIM

CHECKED_EJG

BY	DATE	REVISIONS
	06/13	AERONAUTICAL SURVEY UPDATE
	02/09	ALP AS-BUILT
	12/31/01	FAA APPROVED

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 NORTHERN REGION

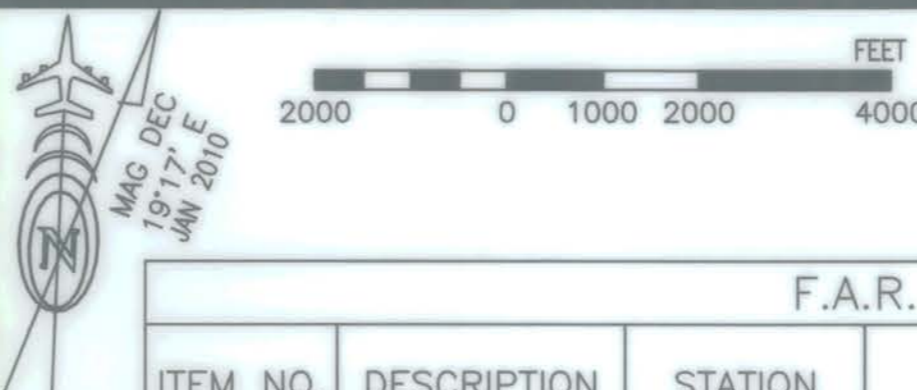
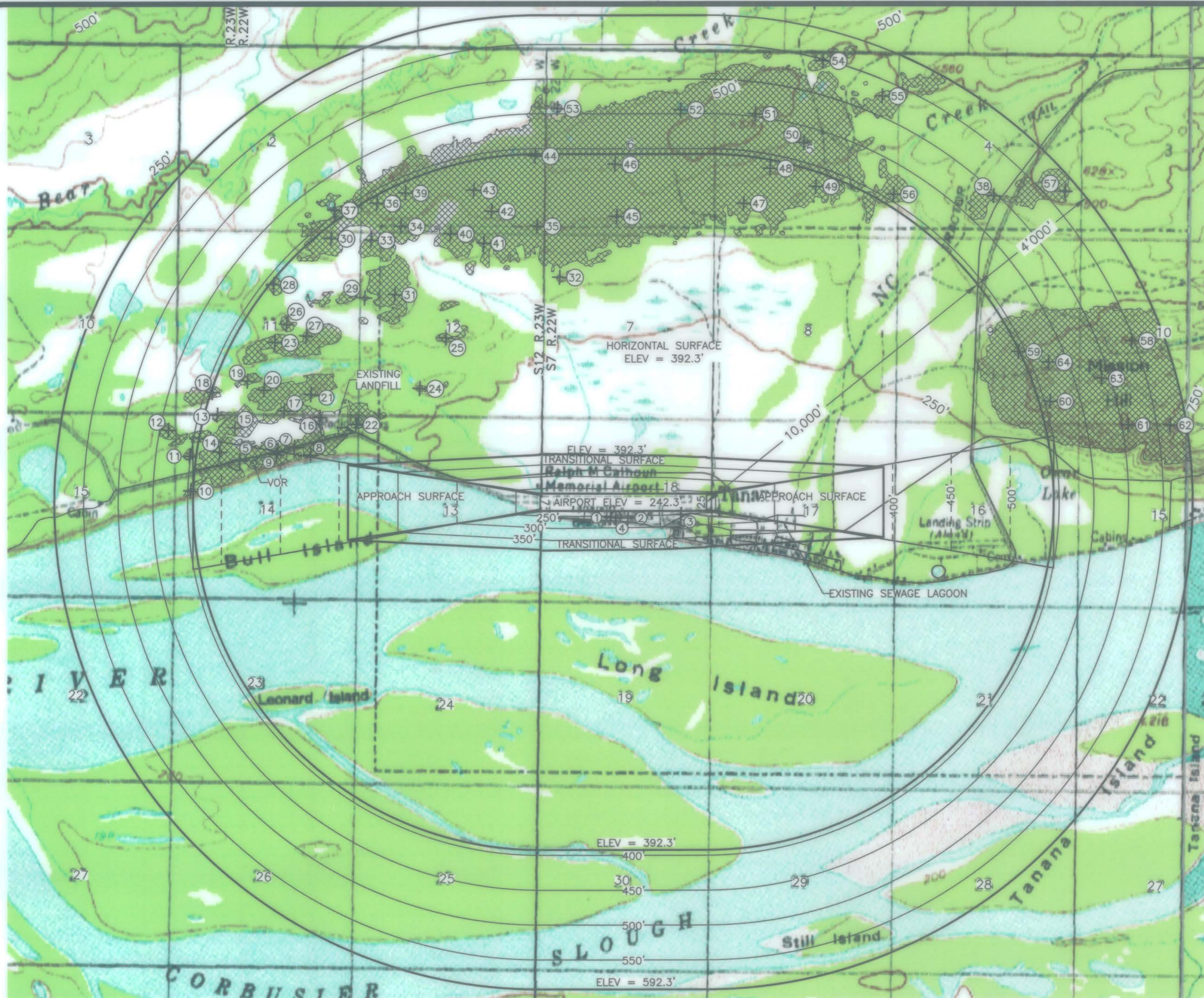
APPROVED
[Signature]
 RICHARD J. STUMPF, P.E. DATE 4/3/13
 ACTING DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN APPROVED
 BY LETTER DATED: 6/14/13
[Signature]
 AIRPORTS DIVISION,
 ALASKAN REGION, AAL-601
 AIRSPACE REVIEW #2001-AAL-13-NR

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RALPH M. CALHOUN MEMORIAL AIRPORT
 TANANA, ALASKA
 INNER PORTION OF THE APPROACH
 SURFACE PLANS AND PROFILE

SHEET
 3
 OF
 4



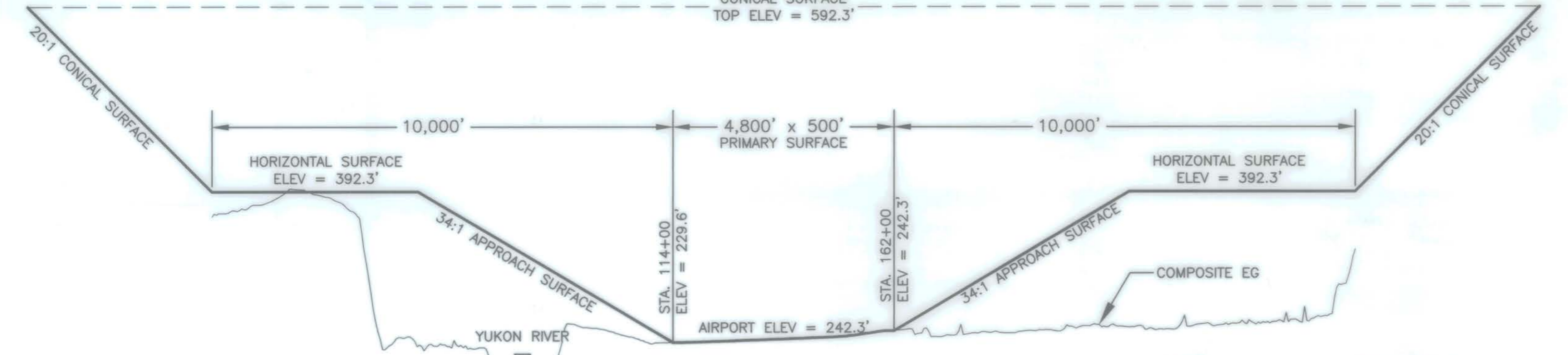
F.A.R. PART 77 SURFACE OBSTRUCTIONS

ITEM NO.	DESCRIPTION	STATION	OFFSET	OBSTRUCTION ELEVATION	SURFACE PENETRATED	SURFACE ELEVATION	AMOUNT PENETRATED	DISPOSITION
1	ANTENNA	134+40.83	442.16 RT	266.6	TRANSITIONAL	260.2	6.4	TO REMAIN
2	AIRPORT BEACON	139+37.35	446.13 RT	276.8	TRANSITIONAL	261.7	15.1	TO REMAIN
3	WINDSOCK	154+67.25	354.98 RT	256.0	TRANSITIONAL	253.5	2.5	TO REMAIN
4	ANTENNA	135+82.74	443.15 RT	264.3	TRANSITIONAL	260.6	3.7	TO REMAIN
5	ROAD + 15'	27+47.73	1,216.46 LT	398.1	HORIZONTAL	392.3	5.8	TO REMAIN
6	ROAD + 15'	38+47.21	1,483.08 LT	406.6	HORIZONTAL	392.3	14.3	TO REMAIN
7	ROAD + 15'	43+21.61	1,592.83 LT	398.1	HORIZONTAL	392.3	5.8	TO REMAIN
8	TREE	47+94.62	1,362.61 LT	425.9	HORIZONTAL	392.3	33.6	TO REMAIN
9	TREE	38+05.41	1,380.51 LT	445.0	HORIZONTAL	392.3	52.7	TO REMAIN
10	TREE	13+35.57	333.10 LT	427.5	CONICAL	395.8	31.7	TO REMAIN
11	TREE	13+11.25	1,325.99 LT	434.2	CONICAL	401.1	33.1	TO REMAIN
12	TREE	6+97.08	2,081.01 LT	465.3	CONICAL	437.5	27.8	TO REMAIN
13	TREE	21+01.59	2,514.00 LT	435.6	HORIZONTAL	392.3	43.3	TO REMAIN
14	TREE	21+73.61	1,448.11 LT	434.0	HORIZONTAL	392.3	41.7	TO REMAIN
15	TREE	26+08.16	2,145.89 LT	399.8	HORIZONTAL	392.3	7.3	TO REMAIN
16	TREE	50+54.64	2,452.97 LT	433.6	HORIZONTAL	392.3	41.3	TO REMAIN
17	TREE	40+33.88	2,634.12 LT	425.8	HORIZONTAL	392.3	33.5	TO REMAIN
18	TREE	19+63.95	3,168.36 LT	430.5	HORIZONTAL	392.3	38.2	TO REMAIN
19	TREE	29+73.88	3,491.14 LT	431.6	HORIZONTAL	392.3	39.3	TO REMAIN
20	TREE	34+47.08	3,239.51 LT	436.2	HORIZONTAL	392.3	43.9	TO REMAIN
21	TREE	47+98.17	3,105.39 LT	434.6	HORIZONTAL	392.3	42.3	TO REMAIN
22	TREE	61+00.50	2,237.61 LT	418.8	HORIZONTAL	392.3	26.5	TO REMAIN
23	TREE	37+59.02	4,595.32 LT	431.2	HORIZONTAL	392.3	38.9	TO REMAIN
24	TREE	79+36.55	3,275.51 LT	410.5	HORIZONTAL	392.3	18.2	TO REMAIN
25	TREE	86+92.26	4,726.54 LT	408.8	HORIZONTAL	392.3	16.5	TO REMAIN
26	TREE	40+95.48	5,113.96 LT	415.1	HORIZONTAL	392.3	22.8	TO REMAIN
27	TREE	46+68.55	4,781.91 LT	424.8	HORIZONTAL	392.3	32.5	TO REMAIN
28	TREE	37+26.19	6,257.43 LT	436.0	HORIZONTAL	392.3	43.7	TO REMAIN
29	TREE	63+48.94	5,874.34 LT	404.0	HORIZONTAL	392.3	11.7	TO REMAIN
30	TREE	53+81.40	7,581.26 LT	417.1	HORIZONTAL	392.3	24.8	TO REMAIN
31	TREE	72+19.59	5,967.37 LT	435.8	HORIZONTAL	392.3	43.5	TO REMAIN
32	TREE	119+66.77	6,464.91 LT	418.6	HORIZONTAL	392.3	26.3	TO REMAIN
33	TREE	65+34.81	7,532.22 LT	430.3	HORIZONTAL	392.3	38.0	TO REMAIN
34	TREE	73+96.18	7,923.13 LT	441.5	HORIZONTAL	392.3	49.2	TO REMAIN
35	TREE	113+14.79	7,935.61 LT	488.8	HORIZONTAL	392.3	96.5	TO REMAIN
36	TREE	67+03.72	8,589.01 LT	488.9	HORIZONTAL	392.3	96.6	TO REMAIN
37	TREE	54+81.84	8,391.62 LT	458.8	CONICAL	405.8	54.0	TO REMAIN
38	TREE	244+72.07	8,800.45 LT	525.9	CONICAL	496.2	29.7	TO REMAIN
39	TREE	75+24.95	8,884.71 LT	458.2	HORIZONTAL	392.3	65.9	TO REMAIN
40	TREE	88+18.72	7,713.35 LT	453.0	HORIZONTAL	392.3	60.7	TO REMAIN
41	TREE	97+81.86	7,445.39 LT	432.3	HORIZONTAL	392.3	40.0	TO REMAIN
42	TREE	100+06.73	8,359.18 LT	457.2	HORIZONTAL	392.3	64.9	TO REMAIN
43	TREE	94+93.89	8,967.62 LT	486.4	HORIZONTAL	392.3	94.1	TO REMAIN
44	TREE	112+56.29	9,945.18 LT	499.3	HORIZONTAL	392.3	107.0	TO REMAIN
45	TREE	136+11.50	8,213.54 LT	463.9	HORIZONTAL	392.3	71.6	TO REMAIN
46	TREE	135+63.51	9,710.34 LT	572.1	HORIZONTAL	392.3	179.8	TO REMAIN
47	TREE	172+68.99	8,581.12 LT	437.2	HORIZONTAL	392.3	44.9	TO REMAIN
48	TREE	180+37.78	9,590.07 LT	480.3	HORIZONTAL	392.3	88.0	TO REMAIN
49	TREE	193+53.18	9,067.88 LT	470.6	HORIZONTAL	392.3	78.3	TO REMAIN
50	TREE	190+07.84	10,324.50 LT	504.0	CONICAL	427.3	76.7	TO REMAIN
51	TREE	176+09.40	11,151.77 LT	581.0	CONICAL	454.4	126.6	TO REMAIN
52	TREE	154+56.96	11,271.37 LT	552.9	CONICAL	455.9	97.0	TO REMAIN
53	TREE	119+00.83	11,305.60 LT	475.7	CONICAL	457.6	18.1	TO REMAIN
54	TREE	195+58.76	12,679.65 LT	582.7	CONICAL	548.2	34.5	TO REMAIN
55	TREE	212+63.53	11,663.02 LT	580.2	CONICAL	528.1	52.1	TO REMAIN
56	TREE	215+90.10	8,840.70 LT	443.5	CONICAL	410.1	33.4	TO REMAIN
57	TREE	265+24.94	8,925.14 LT	598.5	CONICAL	574.7	23.8	TO REMAIN
58	TREE	284+44.00	4,631.64 LT	705.2	CONICAL	546.9	158.3	TO REMAIN
59	TREE	251+87.16	4,324.04 LT	520.7	HORIZONTAL	392.3	128.4	TO REMAIN
60	TREE	280+96.87	2,899.14 LT	620.0	CONICAL	408.0	212.0	TO REMAIN
61	TREE	283+48.93	2,214.85 LT	805.5	CONICAL	509.8	295.7	TO REMAIN
62	TREE	295+54.12	2,215.85 LT	795.6	CONICAL	569.2	226.4	TO REMAIN
63	TREE	275+74.45	3,551.17 LT	660.7	CONICAL	488.1	172.6	TO REMAIN
64	TREE	260+53.03	4,020.92 LT	591.5	CONICAL	424.4	167.1	TO REMAIN

NOTES:

1. THERE ARE APPROXIMATELY 50 TREES OBSTRUCTING THE PRIMARY SURFACE AND CLOSE IN TRANSITIONAL SURFACE THAT SHOULD BE REMOVED. FOR CLARITY, THESE OBSTRUCTIONS ARE NOT SHOWN ON THE PLAN OR TABULATED IN THE TABLE ABOVE.
2. MAP SOURCE: USGS QUAD, TANANA (A-5), ALASKA.
3. EXISTING LANDFILL IS 6,149' FROM RUNWAY 7.
4. EXISTING SEWAGE LAGOON IS 2,303' FROM RUNWAY 25.

LEGEND:
 FAA PART 77 HORIZONTAL & TRANSITIONAL SURFACE PENETRATIONS WILL REMAIN



DESIGN	NBS/PRB
DRAWN	JDS/MIM
CHECKED	EJG

BY	DATE	REVISIONS
06/13	02/09	AERONAUTICAL SURVEY UPDATE
	12/31/01	ALP AS-BUILT
		FAA APPROVED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED *[Signature]* DATE 8/7/13
RICHARD J. STUMPF, P.E. ACTING DESIGN GROUP CHIEF

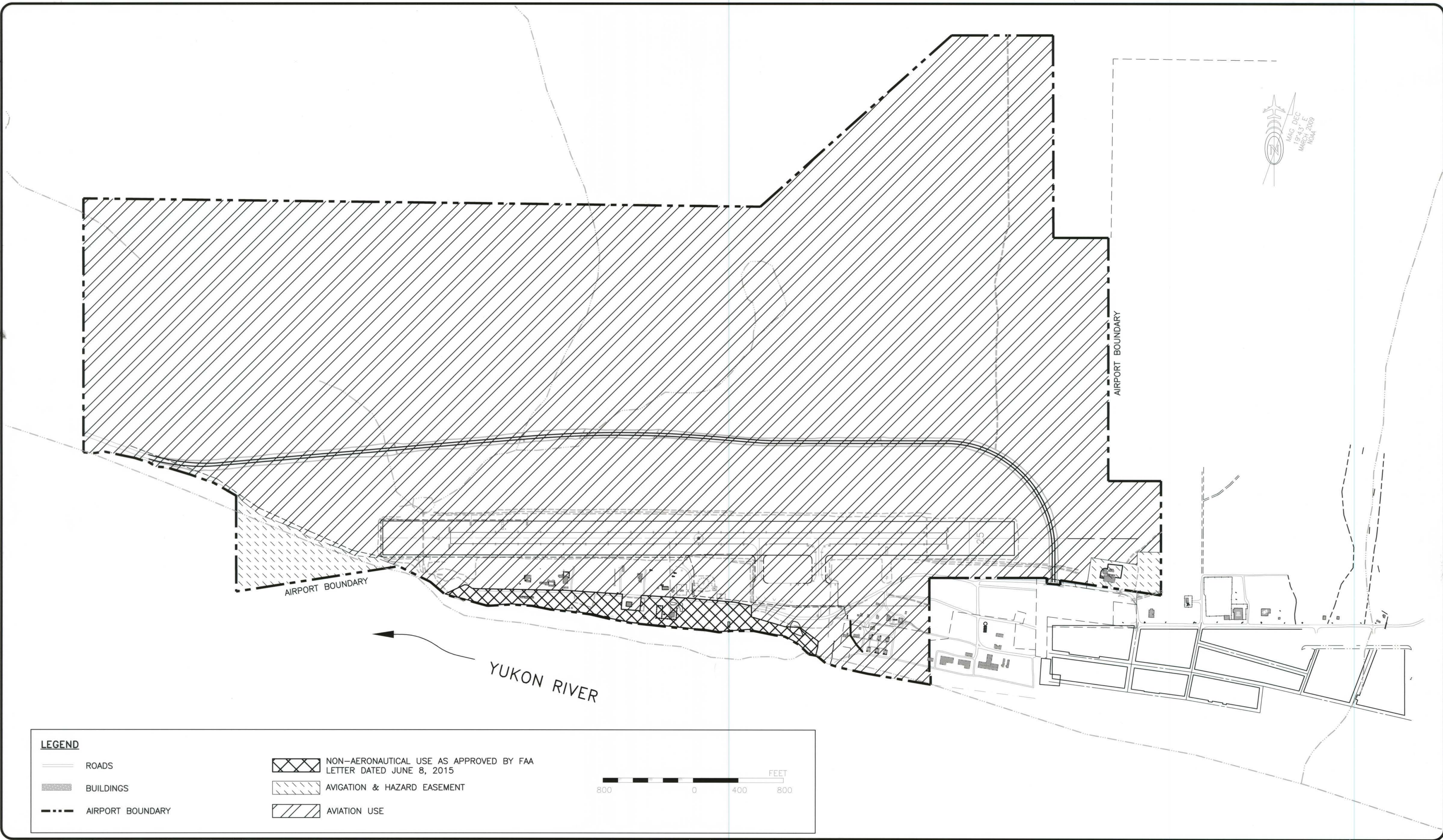
AIRPORT LAYOUT PLAN APPROVED
BY LETTER DATED: 8/14/13
[Signature]
AIRPORTS DIVISION,
ALASKAN REGION, AAL-601
AIRSPACE REVIEW #2001-AAL-13-NR

THIS ALP SUPERSEDES THE ALP SIGNED 03/16/09.

RALPH M. CALHOUN MEMORIAL AIRPORT
TANANA, ALASKA
AIRSPACE AND
COMPOSITE APPROACH PROFILES

SHEET
4 OF 4

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LEGEND

ROADS	NON-AERONAUTICAL USE AS APPROVED BY FAA LETTER DATED JUNE 8, 2015
BUILDINGS	AVIGATION & HAZARD EASEMENT
AIRPORT BOUNDARY	AVIATION USE

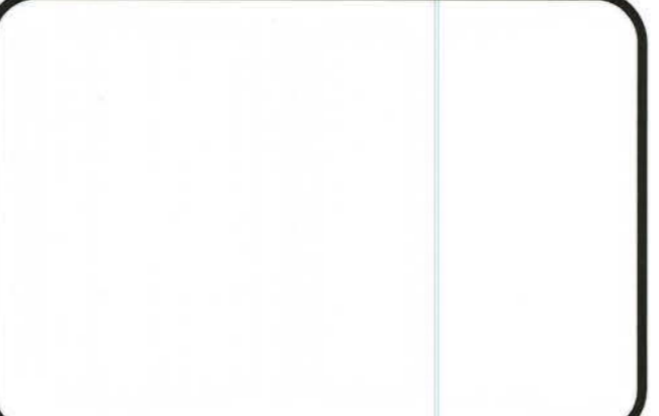
800 0 400 800 FEET

DESIGN TCH
 DRAWN RA
 CHECKED CFJ

BY	DATE	FAA APPROVED
RA	7-1-15	
		REVISIONS

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

APPROVED: DATE: 6/25/15
 ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF



AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
 ALP APPROVAL LETTER DATED ___/___/___
 FAA AIRSPACE REVIEW NUMBER: _____

DATE: _____
 FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-

RALPH M. CALHOUN MEMORIAL AIRPORT
 TANANA, ALASKA
 LAND USE PLAN

SHEET
 5 OF 5