

WIND DATA			
RUNWAY	10.5 kt	13 kt	16 kt
5-23	82.79%	88.68%	93.87%

SOURCE: U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL CLIMATIC DATA CENTER FEBRUARY 12, 2007 (PERIOD 1/1997 TO 12/2006)

AIRPORT DATA		
ITEM	EXISTING	ULTIMATE
ICAO IDENTIFIER	PASA	SAME
NATIONAL AIRPORT IDENTIFIER	SVA	SAME
FAA SITE NUMBER	50687.*A	SAME
AIRPORT ELEVATION (NAVD88)	58.97'	SAME
MEAN MAX. TEMPERATURE, HOTTEST MONTH	51°F / JULY	SAME
OBSTRUCTION SURVEY SOURCE & TYPE	AOC (SEE NOTES)	SAME
MAGNETIC DECLINATION, YEAR, RATE OF CHANGE	8°15'36"E, 2015 16'48"W / YEAR	SAME
AIRPORT AND TERMINAL NAVIGATION AIDS	GPS, VOR/DME, ROT. BEACON, SEG. CIRCLE, AWOS	SAME

RUNWAY 5-23 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
AIRCRAFT APPROACH CATEGORY (AAC)	B	SAME
AIRPLANE DESIGN GROUP (ADG)	II	SAME
DESIGN AIRCRAFT	BEECH 1900	SAME
FAR PART 77 APPROACH SURFACES SLOPE	34:1	SAME
APPROACH TSS SLOPE	20:1	SAME
VISIBILITY MINIMUM	≥1 SM	≥3/4 SM
RUNWAY SURFACE	GRAVEL	SAME
PAVEMENT STRENGTH (SW,DW,DTW,DDTW x1000lbs)	N/A	SAME
TRUE MEAN BEARING	N 59°36'49" E	SAME
MAXIMUM ELEVATION ABOVE MSL	N/A	SAME
EFFECTIVE GRADE	0.1%	SAME
RUNWAY TOUCHDOWN ZONE ELEVATIONS (NAVD 88)	RW 5: 58.97' RW 23: 57.72'	SAME
RUNWAY DIMENSIONS	100' x 4400'	SAME
RUNWAY SAFETY AREA (RSA) DIMENSIONS	150' x 5000'	SAME
RSA LENGTH BEYOND RW ENDS	300'	SAME
RUNWAY PROTECTION ZONE (RPZ) DIMENSIONS	500'x700'x1000'	1000'x1510'x1700'
RUNWAY OBJECT FREE AREA (ROFA) DIMENSIONS	500' x 5000'	SAME
ROFA LENGTH BEYOND RW ENDS	300'	SAME
RUNWAY OBSTACLE FREE ZONE (ROFZ) DIMENSIONS	400' x 4800'	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	VASI, REIL	PAPI, REIL
RUNWAY LANDING AIDS	VOR/DME, RNAV/GPS	SAME

SHEET INDEX	
SHEET NO.	TITLE
1	AIRPORT DATA
2	EXISTING AIRPORT LAYOUT PLAN
3	ULTIMATE AIRPORT LAYOUT PLAN
4	EXISTING INNER PORTION OF APPROACH SURFACE
5	ULTIMATE INNER PORTION OF APPROACH SURFACE
6	AIRPORT AIRSPACE (FAR PART 77)
7	AIRPORT PROPERTY MAP

LEGEND		
ITEM	EXISTING	ULTIMATE
ANTENNA	▲	
APRON (GRAVEL)	▭	▭
AIRPORT REFERENCE POINT	●	
BUILDING	▭	
BUILDING RESTRICTION LINE	—BRL—	
CENTER LINE	—	
CONTOUR	—100—	
FENCE	—x—	
FUEL TANK	▭	
LIGHTING	*	
PAPI		♦♦♦♦
PROPERTY LINE	—	
ROADWAY (GRAVEL)	▭	
ROTATING BEACON	⊙	
RUNWAY (GRAVEL)	▭	
RUNWAY OBJECT FREE AREA	—OFA—	
RUNWAY OBSTACLE CLEARANCE SURFACE	—	
RUNWAY OBSTACLE FREE ZONE	—OFZ—	
RUNWAY SAFETY AREA	—RSA—	
RUNWAY PROTECTION ZONE	—RPZ—	—RPZ—
SURVEY MONUMENT	⊙	
TAXIWAY (GRAVEL)	▭	
TRAIL	—	
VASI	□□	
WATERBODY	—	
WATERLINE (ABOVE GROUND)	—	
WATERLINE (BELOW GROUND)	—	
WIND CONE	⊙	
WIND CONE AND SEGMENTED CIRCLE	⊙	

TAXIWAY DATA		
ITEM	EXISTING	ULTIMATE
TAXIWAY DESIGN GROUP	3	SAME
TAXIWAY DIMENSIONS	50' x 300'	SAME
TAXIWAY SHOULDER WIDTH	10'	SAME
SEPARATION FROM PARALLEL RUNWAY	N/A	SAME
TAXIWAY SAFETY AREA (TSA) WIDTH	118'	SAME
TAXIWAY OBJECT FREE AREA (TOFA) WIDTH	186'	SAME
TAXIWAY LIGHTING	MITL	SAME
TAXIWAY MARKING (P, NP, NONE)	NONE	SAME

NON-STANDARD CONDITIONS			
ITEM	STANDARD	EXISTING	ULTIMATE
SEWAGE LAGOON	10000'	1000'	SAME
LANDFILL	10000'	6000'	SAME

GEOGRAPHIC COORDINATES (NAD 83) & ELEVATIONS (NAVD 88)						
ITEM	EXISTING LATITUDE	EXISTING LONGITUDE	EXISTING ELEVATION	ULTIMATE LATITUDE	ULTIMATE LONGITUDE	ULTIMATE ELEVATION
AIRPORT REFERENCE POINT	63°41'10.56"N	170°29'35.38"W	N/A	SAME	SAME	SAME
THRESHOLD RW 5	63°40'59.60"N	170°30'17.47"W	58.97'	SAME	SAME	SAME
THRESHOLD RW 23	63°41'21.51"N	170°28'53.29"W	54.71'	SAME	SAME	SAME

PACS & SACS*							
PID	DESIGNATION	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
D19673	SVA A	63°41'17.22168"N	170°28'58.28221"W	3540522.01	1562046.00	46.79	PACS
DJ2780	SVA B	NOT USED (OUT OF TOLERANCE)					
DJ2781	SVA C	63°41'04.90951"N	170°29'47.73161"W	3539288.46	1559806.89	47.76	SACS

* THE AERONAUTICAL SURVEY REVEALED THAT THE CHECKS BETWEEN THE PUBLISHED NAD83(2007) VALUES AND OPUS VALUES DID NOT MEET ACCEPTABLE TOLERANCE. AFTER CONSULTATION WITH NGS, TEMPORARY CONTROL VALUES (BEING THE AVERAGE POSITION BETWEEN TWO DAYS OF GNSS OBSERVATIONS) WAS PROCESSED IN OPUS AND USED FOR THE AERONAUTICAL SURVEY. TEMPORARY CONTROL VALUES ARE SHOWN HEREON IN THE PACS AND SACS TABLE.

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 AND 150/5070-6B IN JUNE 2013.
2.	VERTICAL DATUM IS NAVD88 USING GEOID09AK AND REFERENCING PACS "SVA A"
3.	HORIZONTAL DATUM IS NAD83 (GRS96, EPOCH 2003). DRAWING COORDINATES ARE ALASKA STATE PLANE ZONE 9, U.S. SURVEY FEET, UNLESS NOTED OTHERWISE.
4.	THIS DRAWING IS A COMPILATION OF SELECTED MAPPING DATA. IT IS NOT A COMPLETE SURVEY.

DRAWING NAME: U:\204700152\Savoonga Airport\Drawings\C\Sheets\1263900SVA_ALP01.dwg PLOTTED: Jun 01, 2015 - 1:46pm

DESIGN	LLC
DRAWN	TCK
CHECKED	JGL

BY	DATE	REVISIONS
AS	6/4/15	AS - BUILT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED: *Albert M.L. Beck* DATE: 6/4/15
ALBERT M.L. BECK, P.E. DESIGN GROUP CHIEF

AIRPORT LAYOUT PLAN CONDITIONAL APPROVAL SUBJECT TO
ALP APPROVAL LETTER DATED 3/1/2012
FAA AIRSPACE REVIEW NUMBER: 2003-001-31-NRA

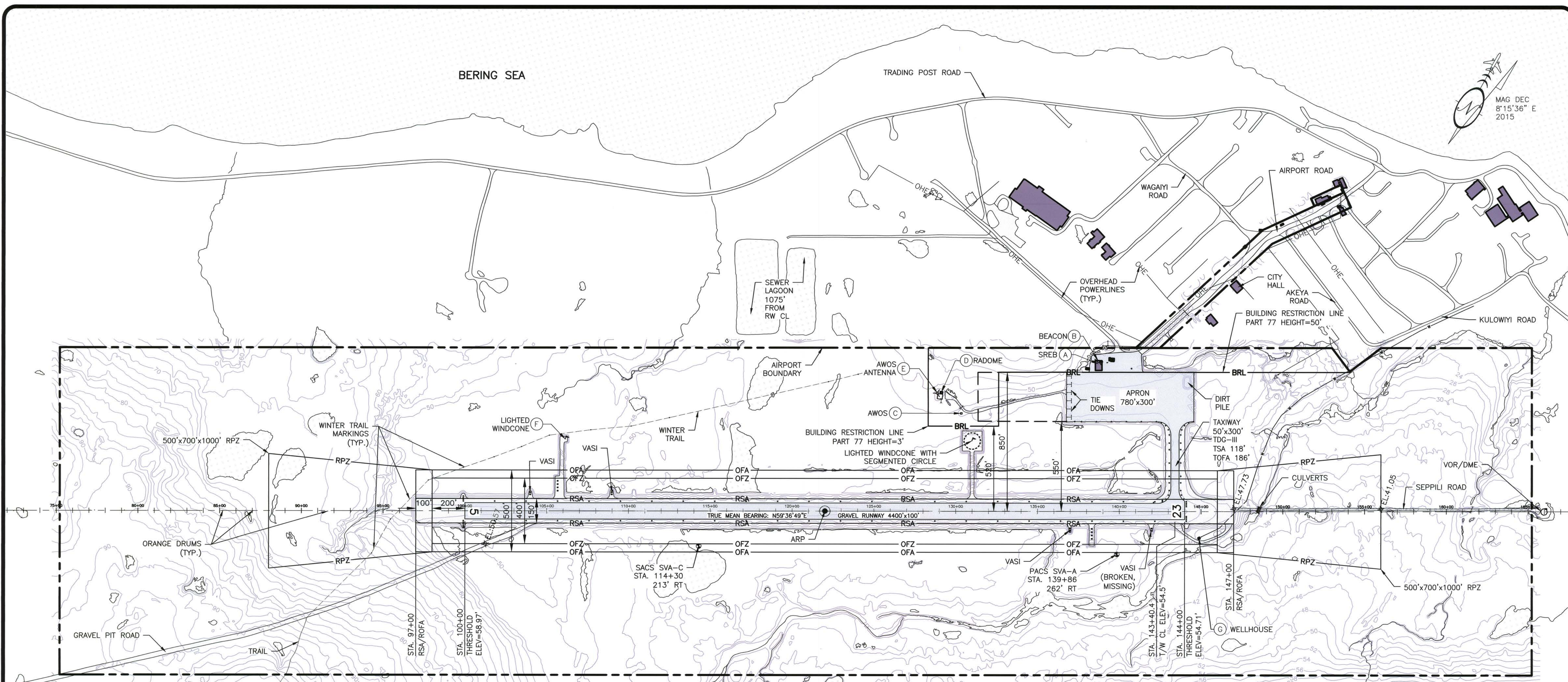
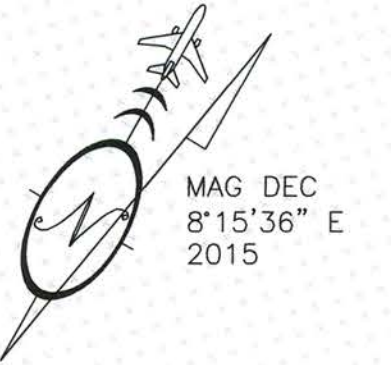
AS-BUILT 6/4/15
P.J. Zellers

SAVOONGA AIRPORT
SAVOONGA, ALASKA
AIRPORT DATA

SHEET
1 OF 7

BERING SEA

TRADING POST ROAD



BUILDINGS/FACILITIES

BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.
(A)	SRE BUILDING	138+89/916' LT	77.11'
(B)	AIRPORT BEACON	138+72/917' LT	81.79'
(C)	AWOS W/OBST. LIGHTING	130+32/601' LT	79.20'
(D)	RADOME	129+12/725' LT	65.37'
(E)	ANTENNA W/OBST. LIGHTING	128+88/725' LT	87.63'
(F)	LIGHTED WINDCONE W/OBST. LIGHTING	106+13/440' LT	77.37'
(G)	WELLHOUSE	144+90/160' RT	51.69'

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NORTHERN REGION

APPROVED
Albert M.L. Beck
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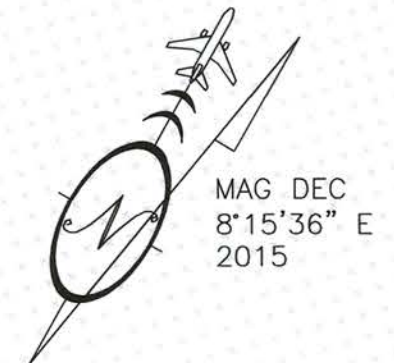
DATE 6/4/15
DESIGN GROUP CHIEF

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

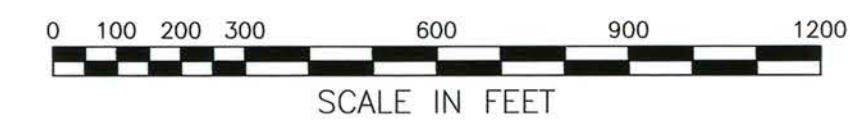
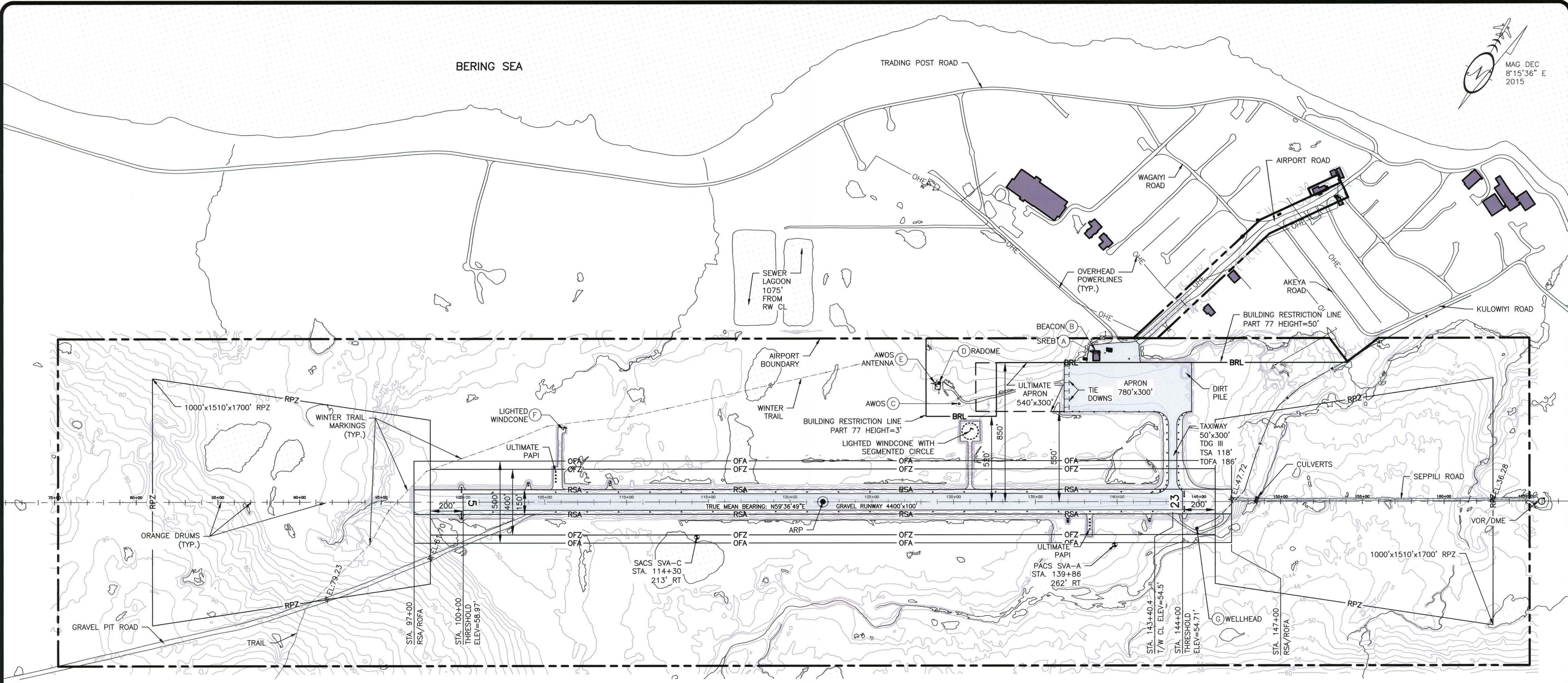
DATE:
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL- 601

SAVOONGA AIRPORT
SAVOONGA, ALASKA
EXISTING AIRPORT LAYOUT PLAN

SHEET
2 OF 7



MAG DEC
8°15'36" E
2015



BUILDINGS/FACILITIES			
BLD/FAC	DESCRIPTION	STATION/OFFSET	TOP ELEV.
(A)	SRE BUILDING	138+89/916' LT	77.11'
(B)	AIRPORT BEACON	138+72/917' LT	81.79'
(C)	AWOS W/OBST. LIGHTING	130+32/601' LT	79.20'
(D)	RADOME	129+12/725' LT	65.37'
(E)	ANTENNA W/OBST. LIGHTING	128+88/725' LT	87.63'
(F)	LIGHTED WINDCONE W/OBST. LIGHTING	106+13/440' LT	77.37'
(G)	WELLHOUSE	144+90/160' RT	51.69'

DRAWING NAME: U:\204700152_Savoonga Airport\Drawings\C_Sheets\12639005VA_ALPO3.dwg PLOTTED: Jun 01, 2015 - 1:39pm

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BY	DATE	REVISIONS

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NORTHERN REGION

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ALBERT M.L. BECK, P.E.

DATE 6/4/15
DESIGN GROUP CHIEF

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

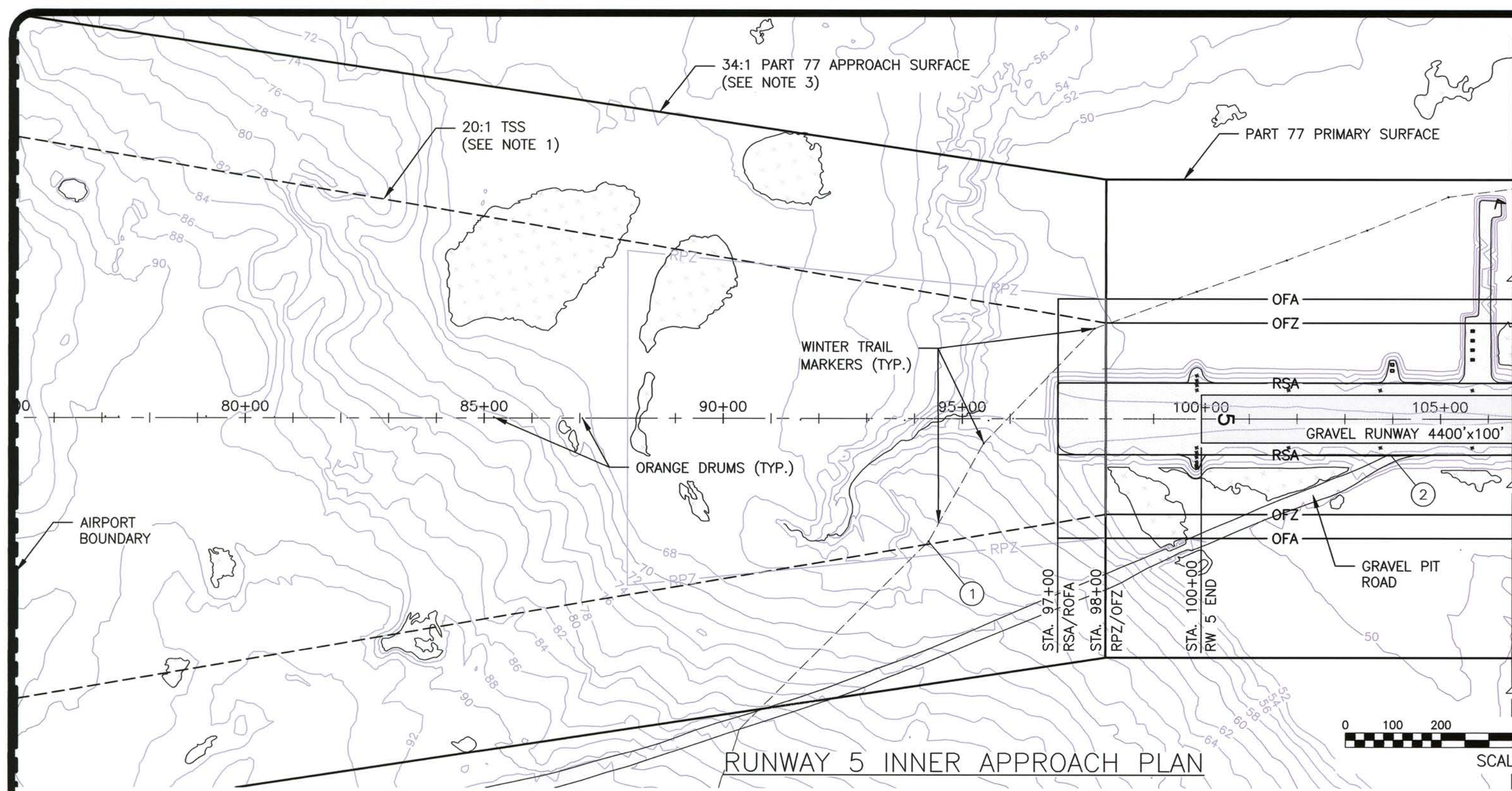
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FAA, AIRPORTS DIVISION ALASKAN REGION, AAL- 601

SAVOONGA AIRPORT
SAVOONGA, ALASKA

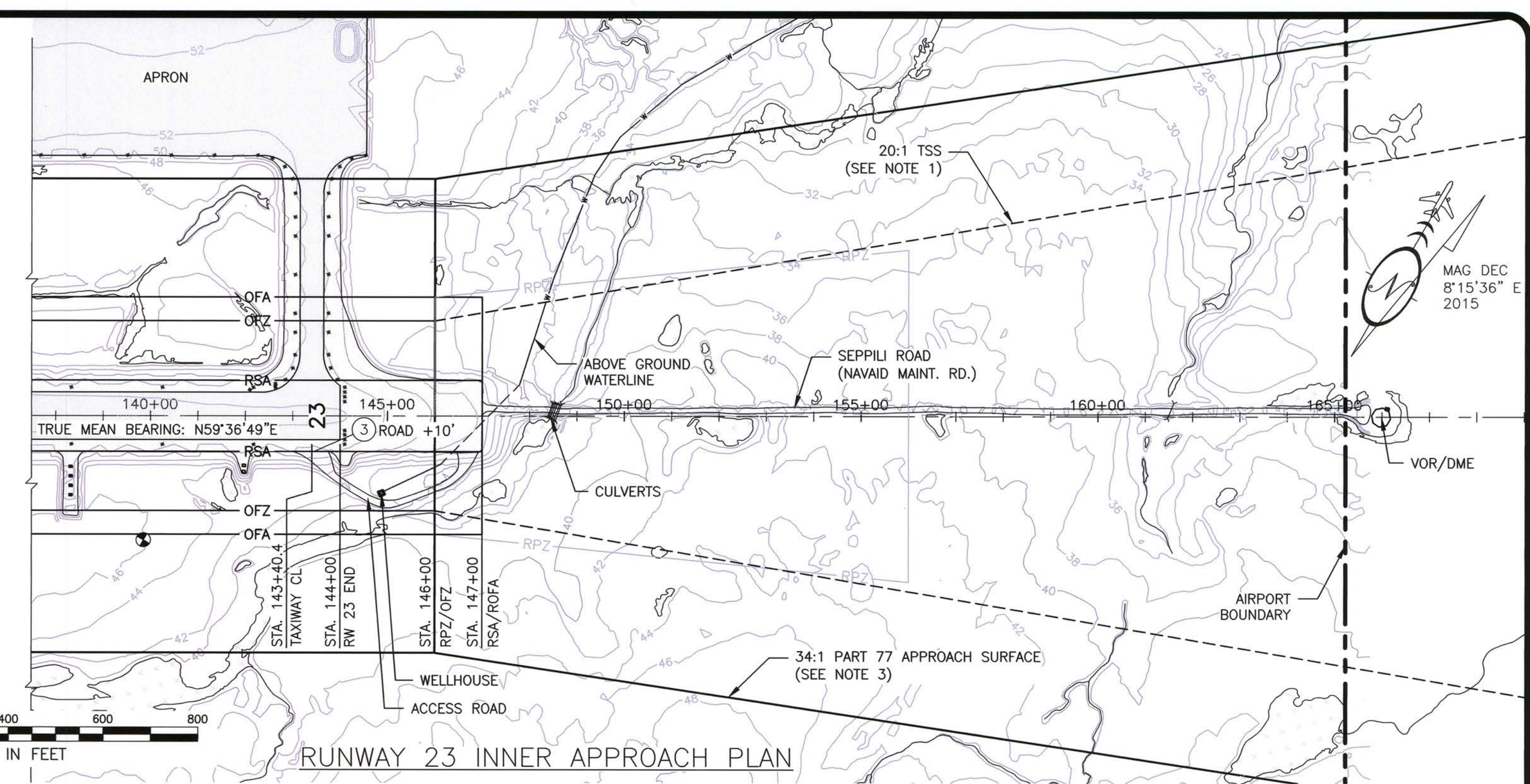
ULTIMATE AIRPORT LAYOUT PLAN

SHEET
3 OF 7

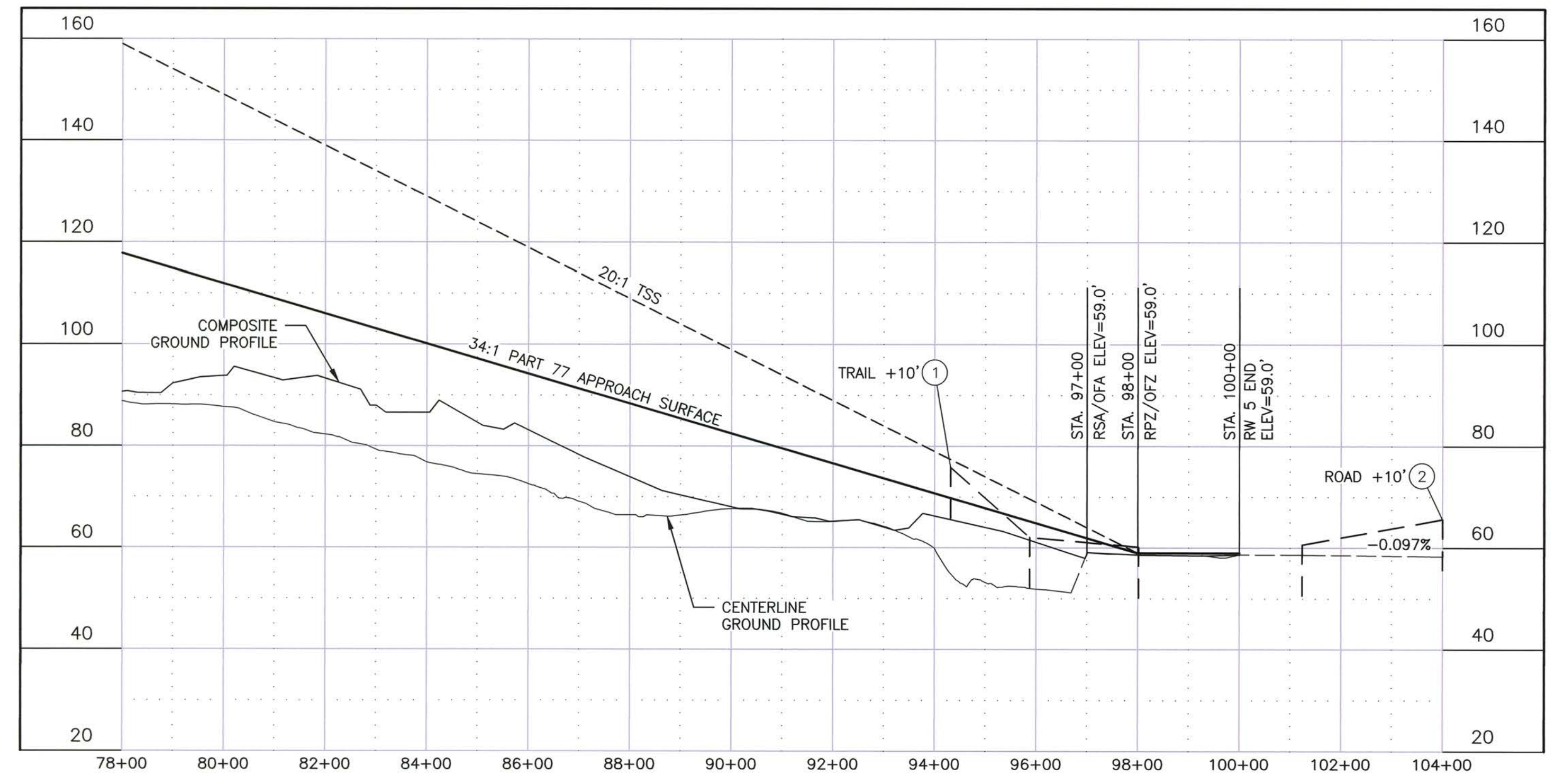
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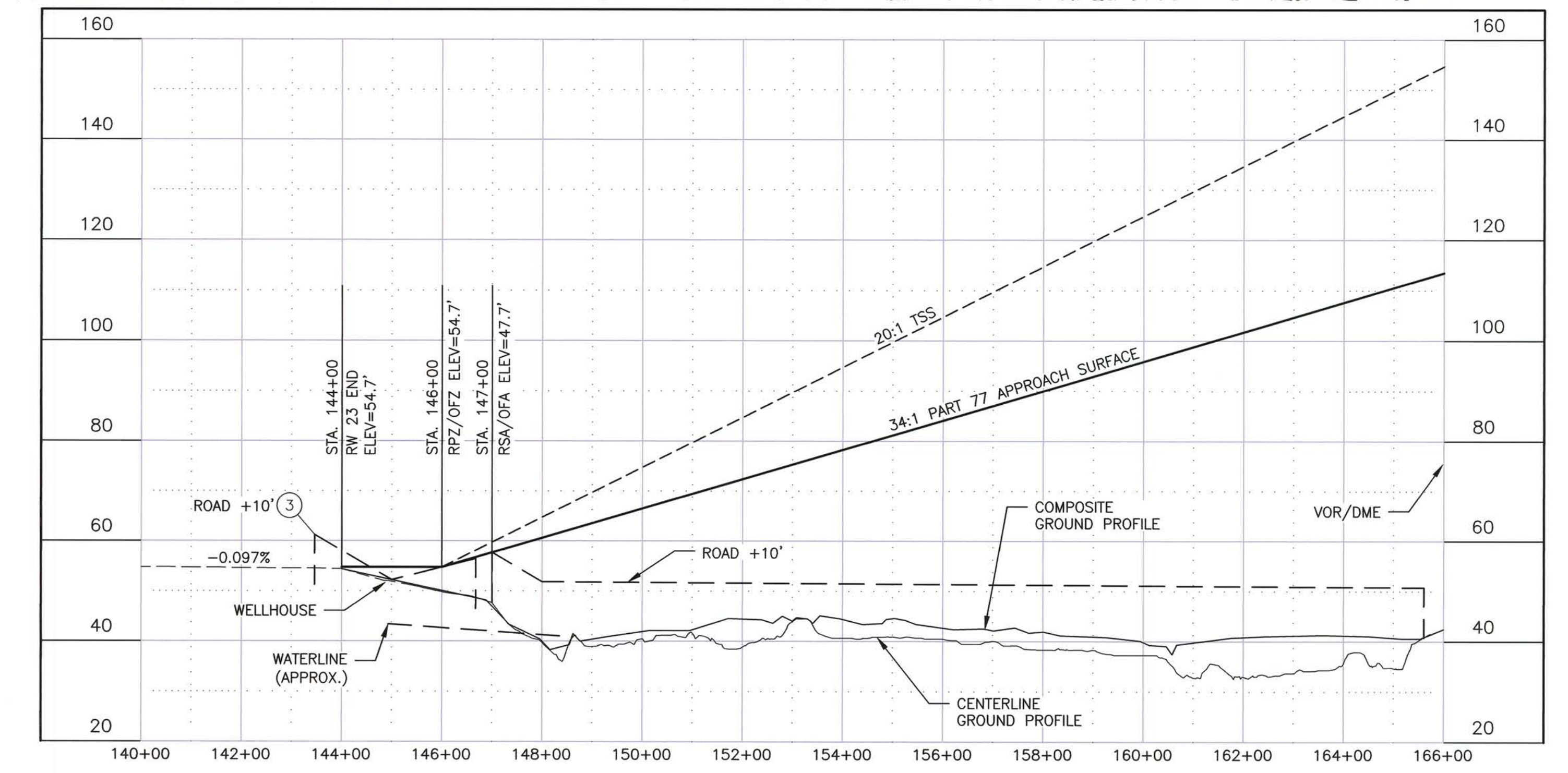
RUNWAY 5 INNER APPROACH PLAN



RUNWAY 23 INNER APPROACH PLAN



RUNWAY 5 INNER APPROACH PROFILE



RUNWAY 23 INNER APPROACH PROFILE

OBSTRUCTION TABLE (INNER PORTION R/W 5)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
①	TRAIL +10'	104+00/75' RT	75.8'	69.8'	PART 77	6.0'	TO REMAIN
②	ROAD +10'	104+00/75' RT	65.7'	58.6'	PRIMARY	7.1'	RELOCATE/CLOSE

GENERAL NOTES:

- TSS DIMENSION = 400'x3800'x10000' (TYPE 4, TABLE 3-2, AC 150/5300-13A)
- TSS SLOPE EXTENDS 10000' AT 20:1
- PART 77 APPROACH SURFACE DIMENSION = 1000'x4000'x10000'
- PART 77 APPROACH SURFACE SLOPE EXTENDS 10000' AT 34:1
- PART 77 ROAD OBSTRUCTION HEIGHTS ARE INCLUDED (10' FOR PRIVATE ROAD & 15' FOR PUBLIC ROAD)
- RW 5 HAS NO OBSTACLE FREE ZONE OR THRESHOLD SITING SURFACE PENETRATIONS
- RW 23 HAS A THRESHOLD SITING SURFACE & OBSTACLE FREE ZONE PENETRATION

OBSTRUCTION TABLE (INNER PORTION R/W 23)

ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
③	ROAD +10'	143+50/75' RT	61.2'	54.7'	PRIMARY	6.5'	TO REMAIN

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06/01/15	AS-BUILT
BY	DATE
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

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ALBERT M.L. BECK, P.E.

DATE 6/4/15
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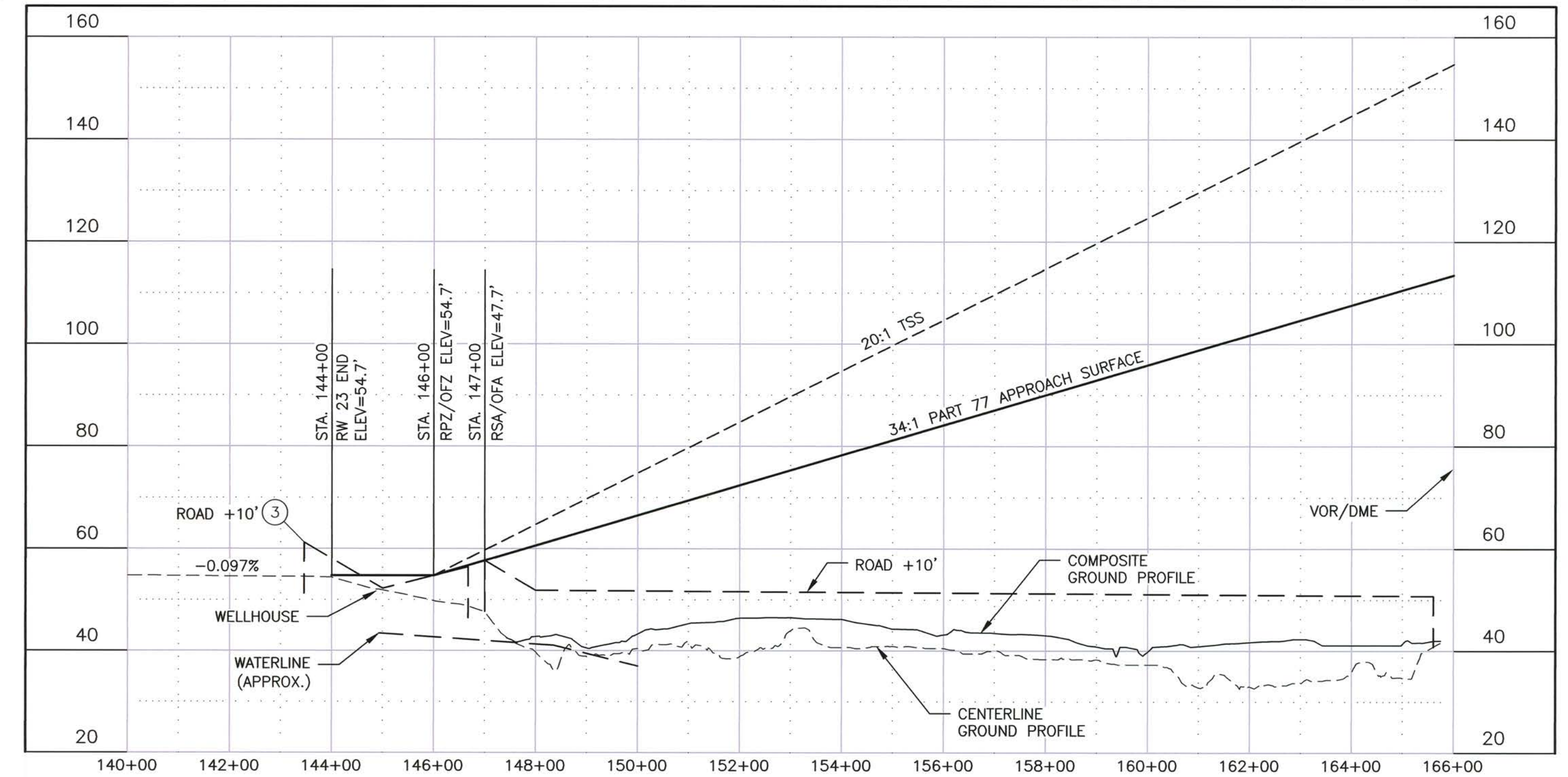
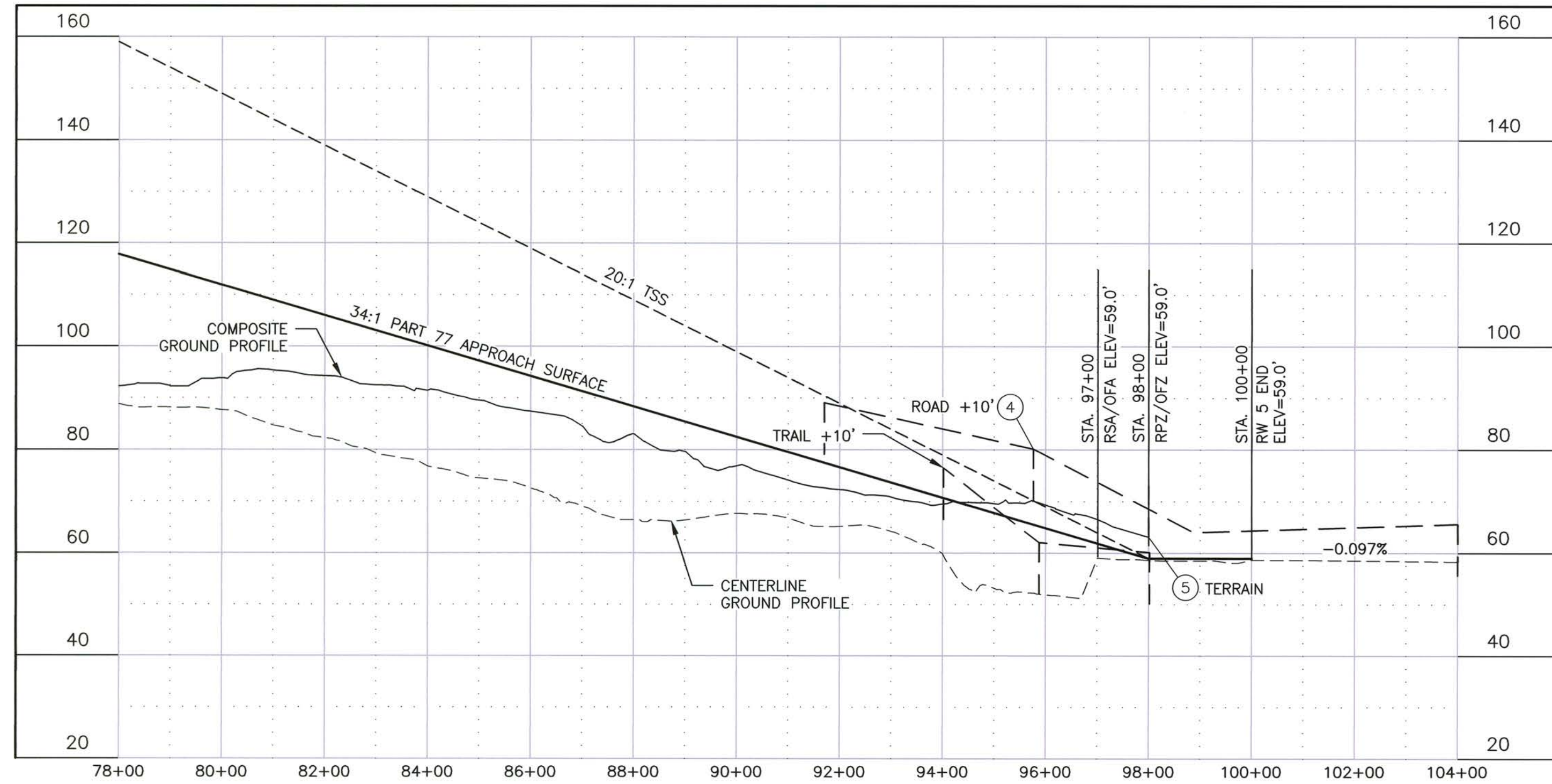
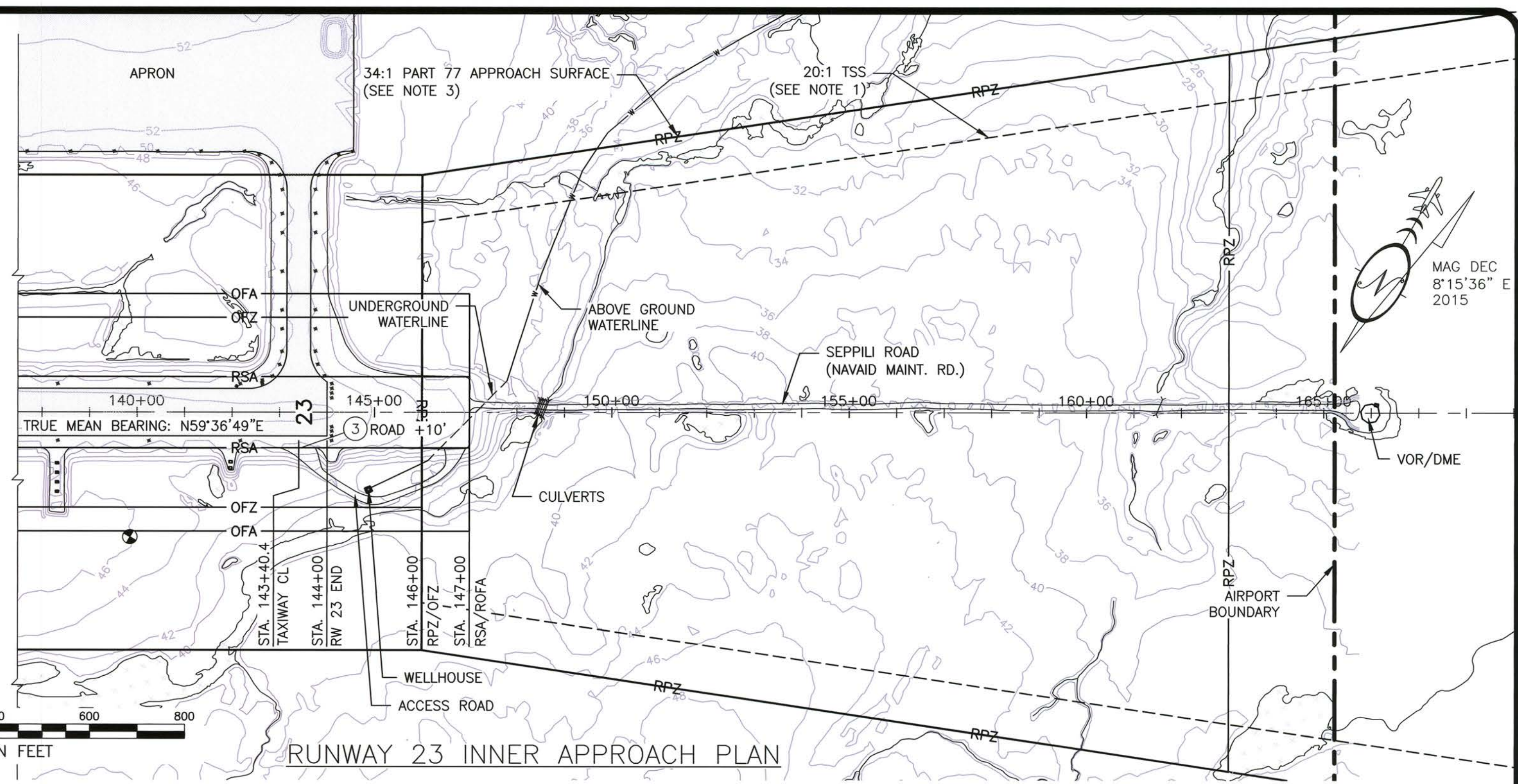
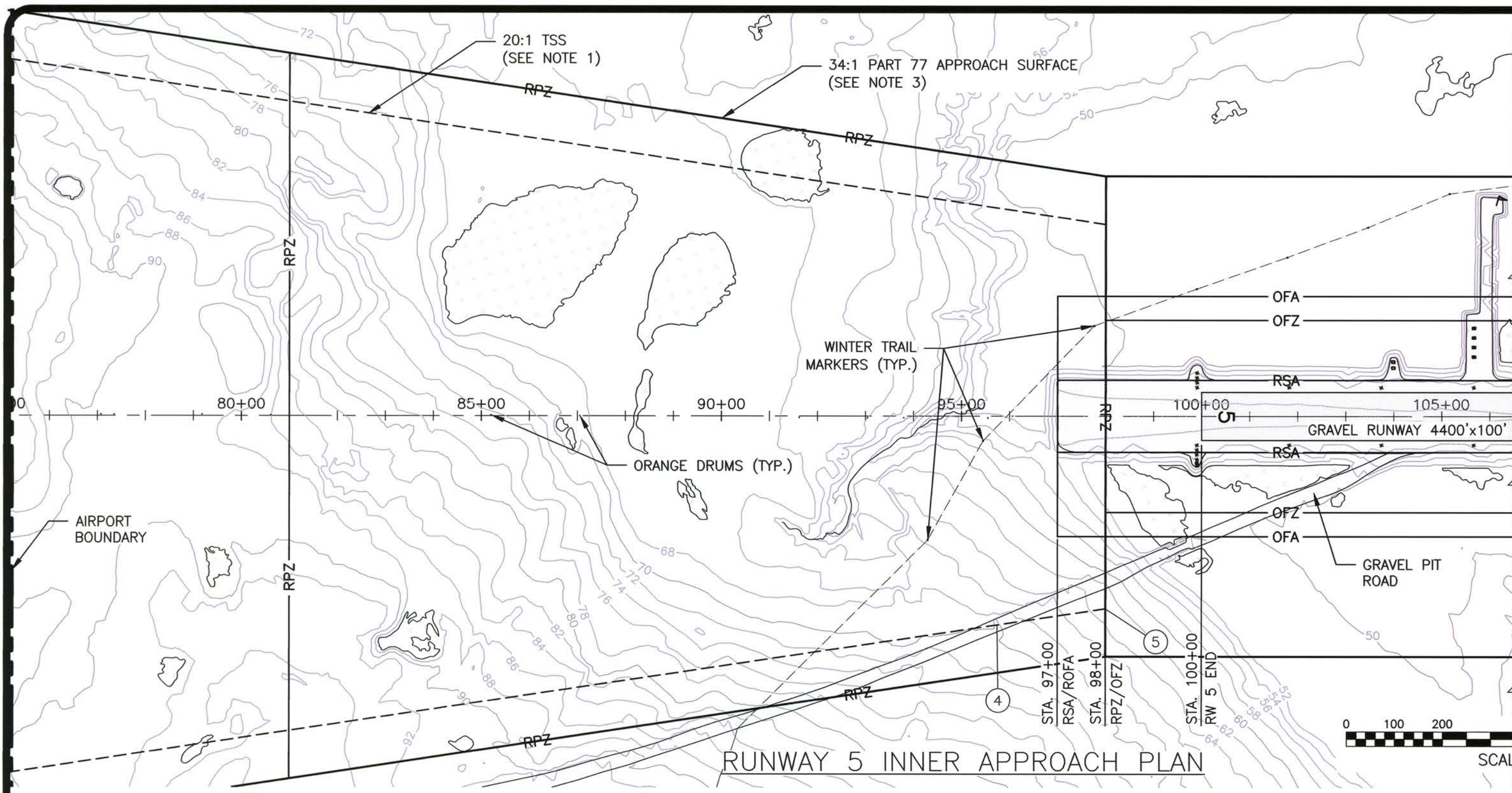
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ALP APPROVAL LETTER DATED ____/____/____
FAA AIRSPACE REVIEW NUMBER: _____

DATE: _____
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL-601

SAVOONGA AIRPORT
SAVOONGA, ALASKA
**EXISTING
INNER PORTION OF APPROACH SURFACE**

SHEET
4 OF 7

DRAWING NAME: U:\204700152\Savoonga Airport\Drawings\Sheets\12639005VA_ALPO5.dwg PLOTTED: Jun 01, 2015 - 1:52pm



RUNWAY 5 INNER APPROACH PROFILE

RUNWAY 23 INNER APPROACH PROFILE

OBSTRUCTION TABLE (INNER PORTION R/W 5)							
ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
④	ROAD +10'	95+75/430' RT	80.2'	70.2'	TSS/PART 77	10.0'/14.6'	RELOCATE/CLOSE
⑤	TERRAIN (HP)	98+00/500' RT	63.1'	59.0'	TSS/PART 77	4.1'/4.1'	TO REMAIN

GENERAL NOTES:

1. TSS DIMENSION = 800'x3800'x10000' (TYPE 6, TABLE 3-2, AC 150/5300-13A)
2. TSS SLOPE EXTENDS 10,000' AT 20:1
3. PART 77 APPROACH SURFACE DIMENSION = 1000'x4000'x10000'
4. PART 77 APPROACH SURFACE SLOPE EXTENDS 10000' AT 34:1
5. PART 77 ROAD OBSTRUCTION HEIGHTS ARE INCLUDED (10' FOR PRIVATE ROAD & 15' FOR PUBLIC ROAD)
6. RW 5 & RW 23 HAVE OBSTACLE FREE ZONE PENETRATIONS

OBSTRUCTION TABLE (INNER PORTION R/W 23)							
ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE ELEV.	SURFACE PENETRATED	SURFACE PENETRATION	DISPOSITION
③	ROAD +10'	143+50/75' RT	61.2'	54.7'	PRIMARY	6.5'	TO REMAIN

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BY DATE REVISIONS

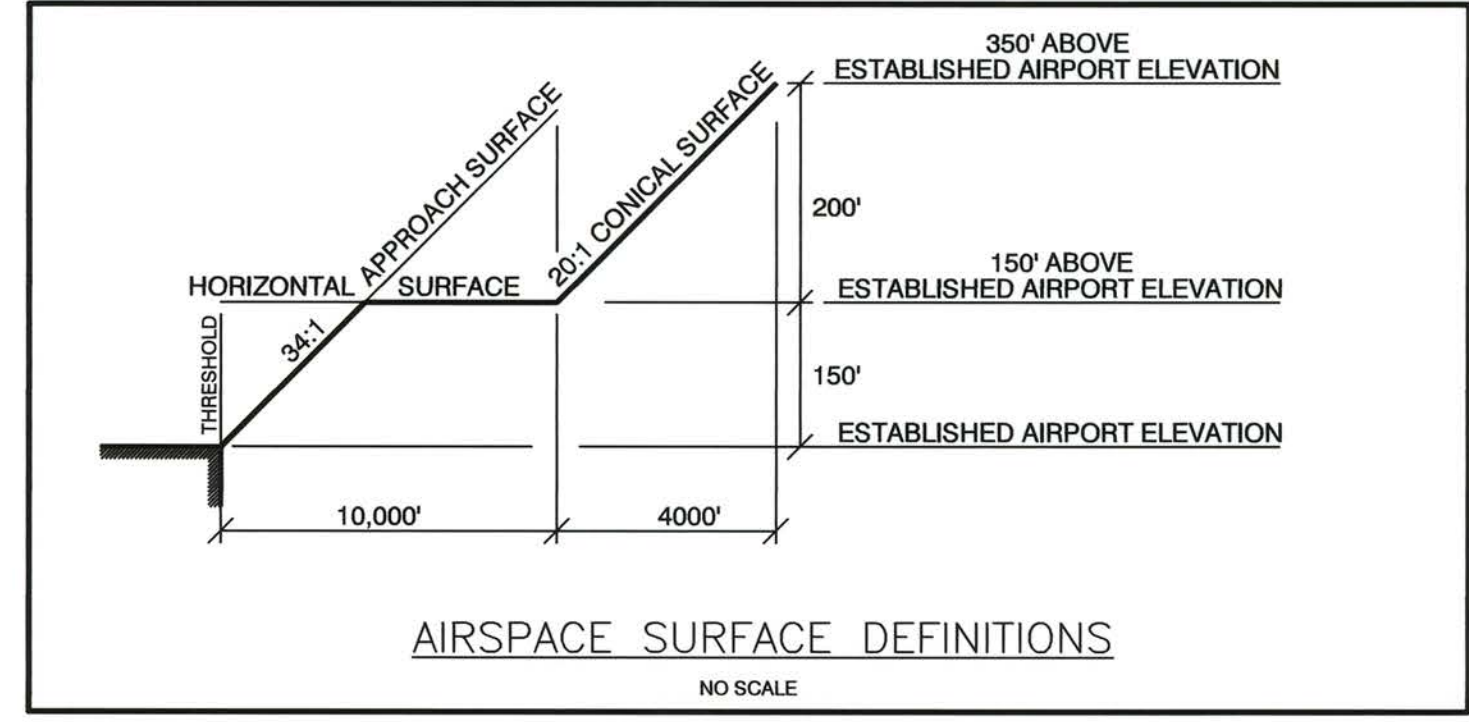
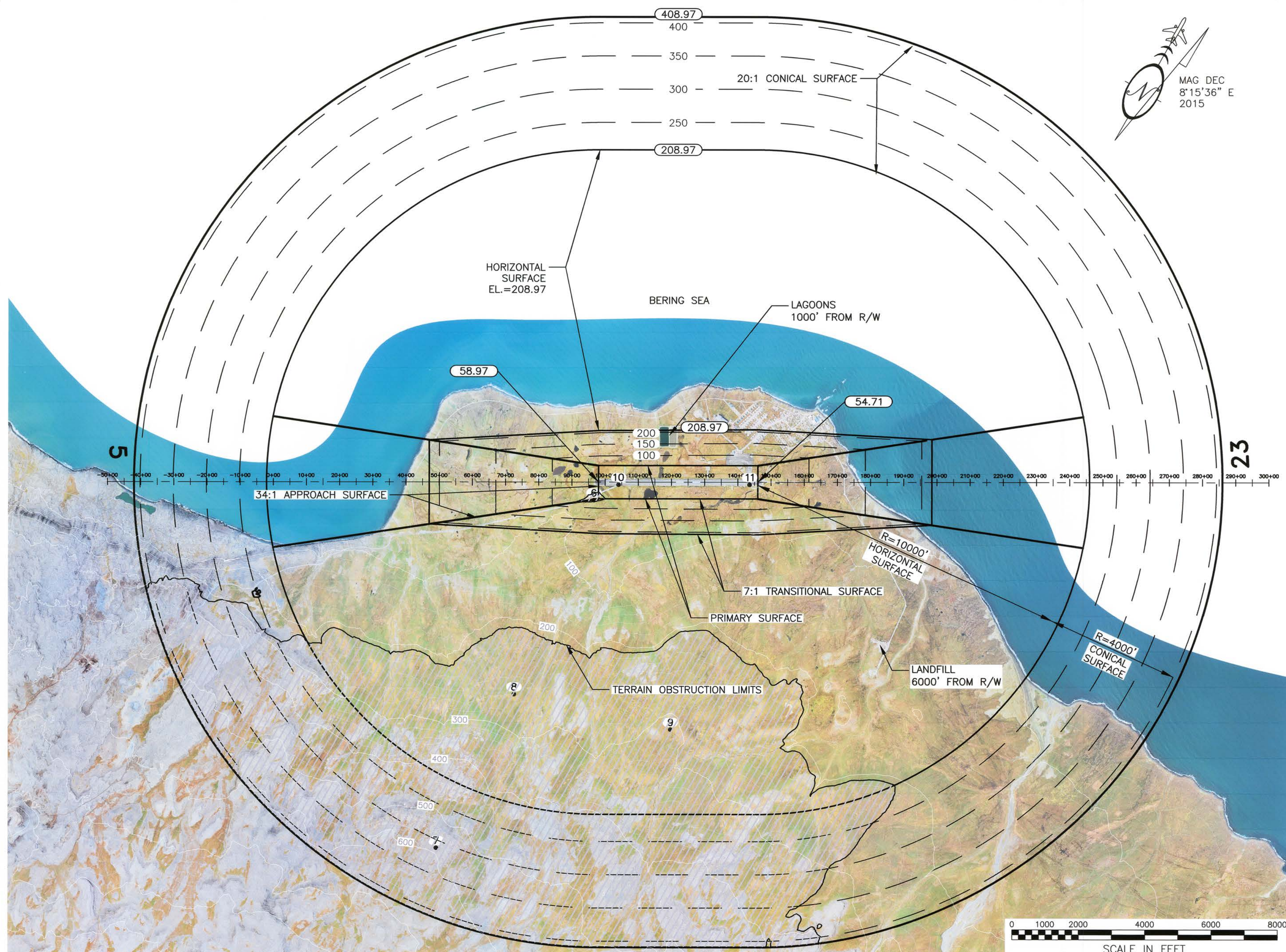
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION
APPROVED
Albert M.L. Beck
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DATE 6/1/15
DESIGN GROUP CHIEF

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

SAVOONGA AIRPORT
SAVOONGA, ALASKA
ULTIMATE
INNER PORTION OF APPROACH SURFACE

SHEET
5 OF 7

DRAWING NAME: U:\204700152\Savoonga Airport\Drawings\C_Sheets\12639005VA_ALP06.DWG PLOTTED: Jun 01, 2015 - 1:42pm



ULTIMATE RUNWAY F.A.R. PART 77 DIMENSIONS OTHER THAN UTILITY, NPA, >3/4 S.M.	
DESCRIPTION	DIMENSION
ESTABLISHED AIRPORT ELEVATION	58.97'
RUNWAY THRESHOLD ELEVATION	RW5: 58.97' \ RW23: 54.71
PRIMARY SURFACE	1000'x4800'
HORIZONTAL SURFACE ELEVATION	208.97'
HORIZONTAL SURFACE RADIUS	10000'
APPROACH SURFACE	1000'x4000'x10000'
APPROACH SURFACE SLOPE	34:1
CONICAL SURFACE WIDTH	4000' @ 20:1
TRANSITIONAL SURFACE SLOPE	7:1

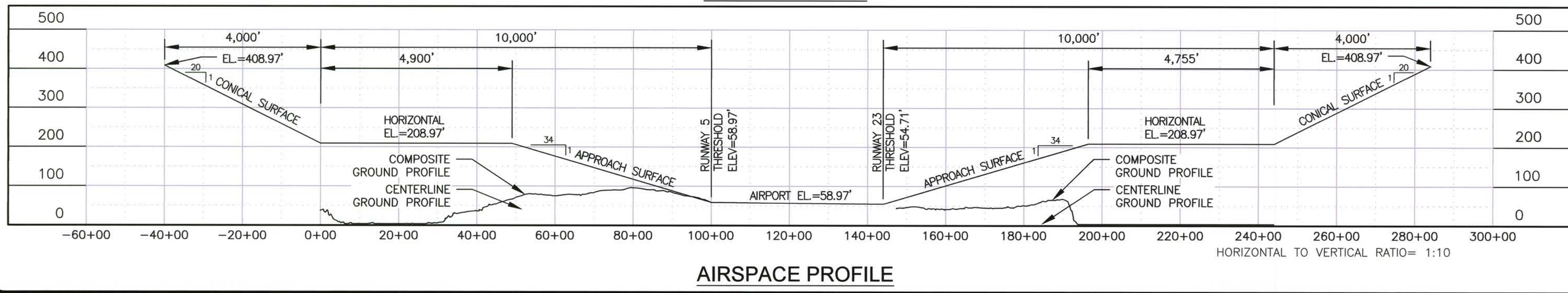
LEGEND	
	AIRSPACE ELEVATION (SURFACE DIVIDERS)
	AIRSPACE SURFACE DIVIDERS (NON CONTROLLING)
	AIRSPACE ELEVATION (50' INCREMENTS)
	EXISTING GROUND ELEVATIONS
	RUNWAY CENTERLINE (EXTENDED)
	AIRSPACE TERRAIN OBSTRUCTION

F.A.R. PART 77 SURFACE OBSTRUCTION TABLE								
ID #	DESCRIPTION	STATION/OFFSET	ELEV.	SURFACE PENETRATED	SURFACE ELEV.	SURFACE PENETRATION	DISPOSITION	STAGE TO CORRECT
7	TERRAIN (HP)	96+70/550' RT	71'	APPROACH	69'	2'	TO REMAIN	N/A
8	TERRAIN (HP)	49+20/11010' RT	593'	CONICAL	316'	277'	TO REMAIN	N/A
9	TERRAIN	72+70/6380' RT	260'	HORIZONTAL	210'	50'	TO REMAIN	N/A
10	TERRAIN	119+80/7450' RT	310'	HORIZONTAL	210'	100'	TO REMAIN	N/A
11	ROAD +10'	104+00/75' RT	66'	PRIMARY	59'	7'	TO REMAIN	N/A
12	ROAD +10'	143+50/75' RT	61'	PRIMARY	55'	6'	TO REMAIN	N/A

(HP=HIGH POINT OF TERRAIN OBSTRUCTION)

NOTES:

- REFER TO INNER PORTION OF APPROACH SURFACE (SHEETS 4 & 5) FOR CLOSE IN OBSTRUCTIONS ANALYZED WITH THE TSS AND PART 77 APPROACH SURFACE.
- THERE ARE NO KNOWN HEIGHT RESTRICTIONS.
- REFER TO THE LAYOUT PLAN (SHEETS 2 & 3) FOR BUILDING LOCATIONS AND ELEVATIONS.
- GROUND SURFACE INFORMATION WAS PROVIDED BY AN 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.



DESIGN	LLC
DRAWN	TCK
CHECKED	JGL

06/04/15	AS - BUILT	
BY	DATE	REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

APPROVED: *Albert M.L. Beck*
ALBERT M.L. BECK, P.E. DATE: 6/4/15
DESIGN GROUP CHIEF

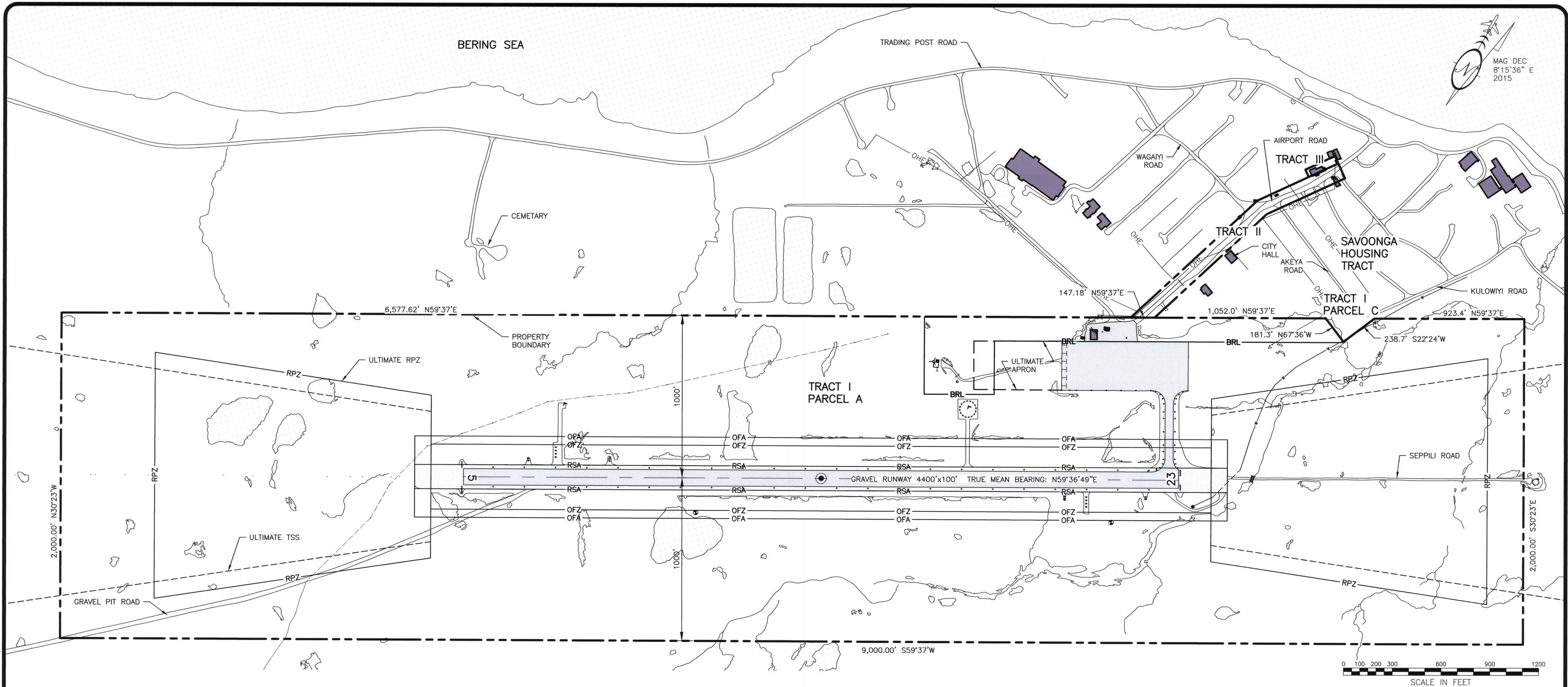
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FAA AIRSPACE REVIEW NUMBER: _____

DATE: _____
FAA, AIRPORTS DIVISION ALASKAN REGION, AAL- 601

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

SHEET
6 OF **7**

DRAWING NAME: U:\204700152\Savoonga Airport\Drawings\Sheets\12639005VA_ALP07.dwg PLOTTED: Jun 01, 2015 - 1:43pm



- NOTES:**
1. SEE SAVOONGA PROPERTY PLAN FOR SURVEY INFO.

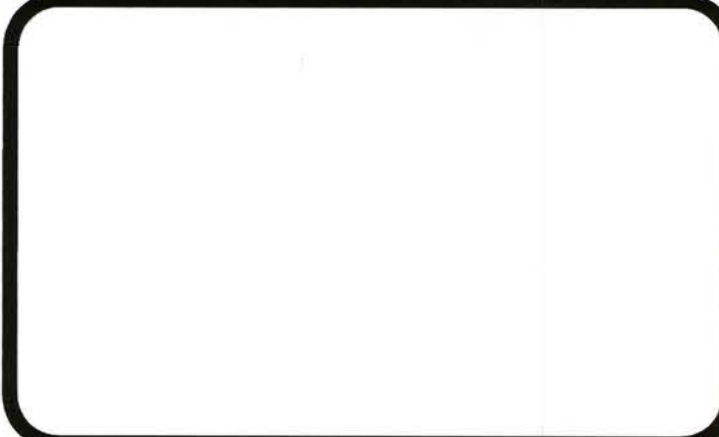
DESIGN	LLC
DRAWN	TCK
CHECKED	JGL

BY	DATE	REVISIONS
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
NORTHERN REGION

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

DATE 6/4/15
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- 601

SAVOONGA AIRPORT
SAVOONGA, ALASKA
AIRPORT PROPERTY MAP

SHEET
7 OF 7