



FAI GA Apron and Taxiway Reconstruction

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1 Project Scope

Summary of work included in this project
Discuss potential construction phasing logistics



- *Reconstruct and reconfigure the GA Apron*
- *Prepare all tie-downs to receive power*
- *Potentially expand the apron towards the Ski-Strip*
- *Potentially reconstruct TW C from the Apron to TW W*
- *Potentially reconstruct TW D from the Apron to Float Pond Road*
- *Potentially reconstruct TW W east of the Ski-Strip*
- *Fix areas of deep embankment cracks*
- *Construct new lighting and signs within the construction limits*
- *Replace storm drain pipe and culvert within the construction limits*



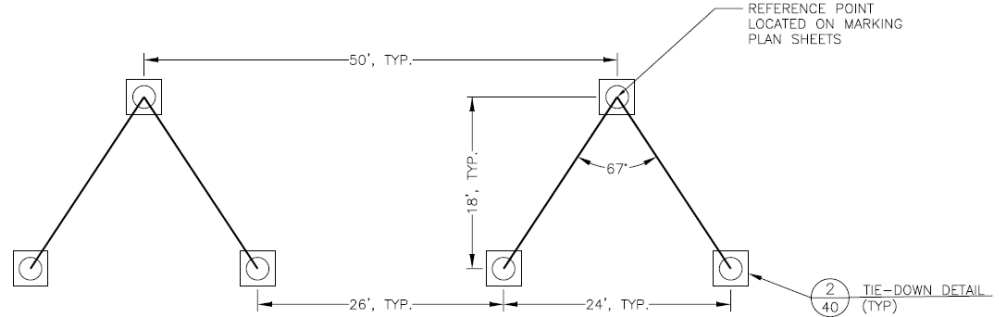
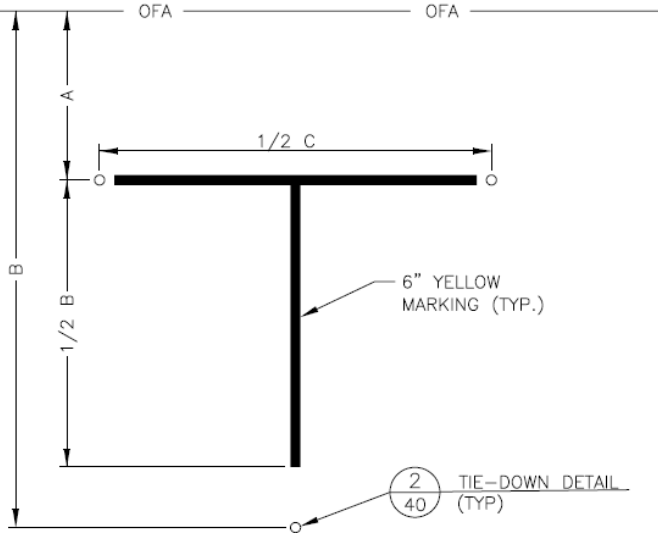


2.0 Conceptual Layout

General tie-down layout and critical dimensions



- Offer three tie-down options for aircraft with wingspan less than 37', between 37' and 49', and for Grand Caravans.
- Tie-downs will be set back from the TLOFA per the table below.



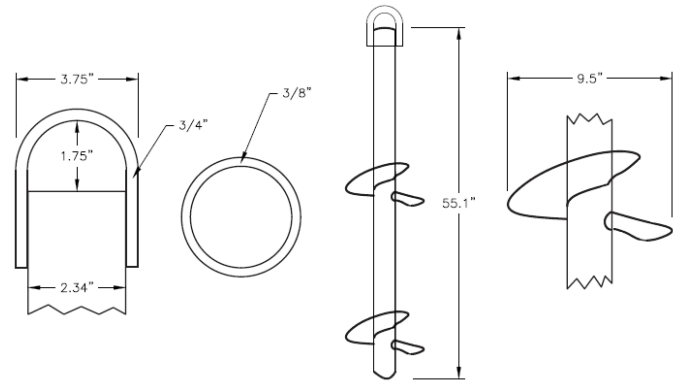
NOTES:

1. TEMPORARY TIE-DOWNS LOCATED OUTSIDE OF PAVED AREAS SHALL NOT HAVE PAINTED MARKINGS. LINES SHOWN ARE FOR REFERENCE ONLY.

1 AIRCRAFT TEMPORARY TIE-DOWNS
SCALE: NTS

TIE-DOWN MARKING TABLE			
X	CESSNA 206	CESSNA 208	PIPER PA-31T1-350
A	10'	14'	17.25'
B	28.25'	35.5'	42.25'
C	36'	44'	53'

3 APRON TIE-DOWN MARKING
SCALE: NTS



2 SK6400 SKEW MOORING
SCALE: NTS



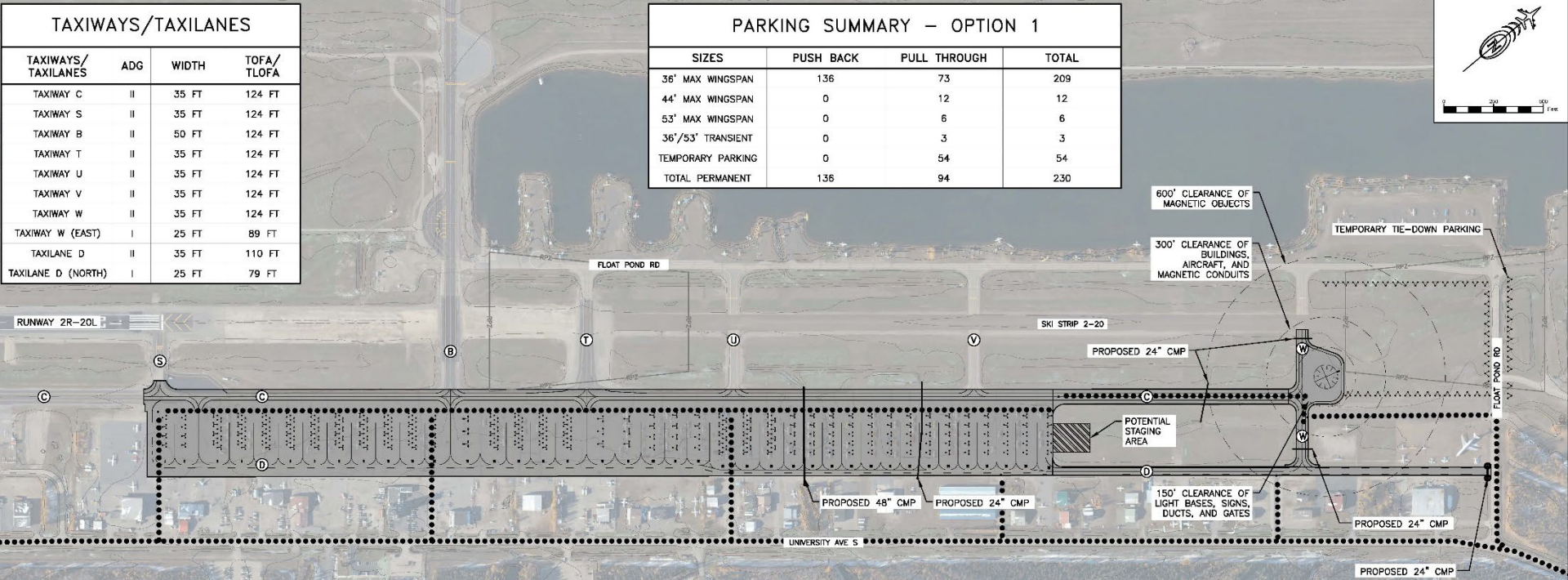
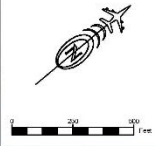
2.1 Conceptual Layout

Overall Project: Option 1 Apron Layout



TAXIWAYS/TAXILANES			
TAXIWAYS/TAXILANES	ADG	WIDTH	TOFA/TLOFA
TAXIWAY C	II	35 FT	124 FT
TAXIWAY S	II	35 FT	124 FT
TAXIWAY B	II	50 FT	124 FT
TAXIWAY T	II	35 FT	124 FT
TAXIWAY U	II	35 FT	124 FT
TAXIWAY V	II	35 FT	124 FT
TAXIWAY W	II	35 FT	124 FT
TAXIWAY W (EAST)	I	25 FT	89 FT
TAXILANE D	II	35 FT	110 FT
TAXILANE D (NORTH)	I	25 FT	79 FT

PARKING SUMMARY – OPTION 1				
SIZES	PUSH BACK	PULL THROUGH	TOTAL	
36' MAX WINGSPAN	136	73	209	
44' MAX WINGSPAN	0	12	12	
53' MAX WINGSPAN	0	6	6	
36'/53' TRANSIENT	0	3	3	
TEMPORARY PARKING	0	54	54	
TOTAL PERMANENT	136	94	230	



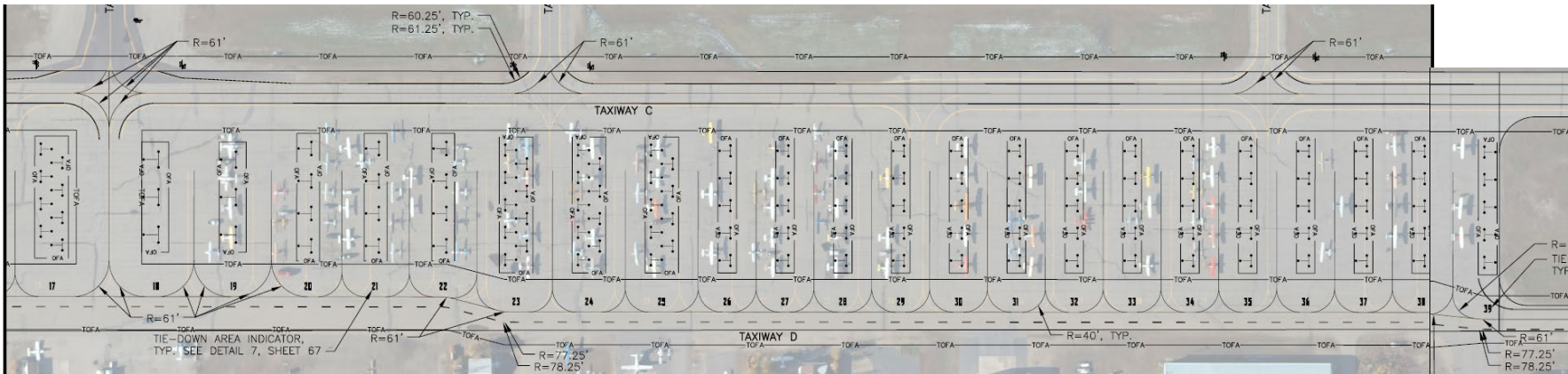
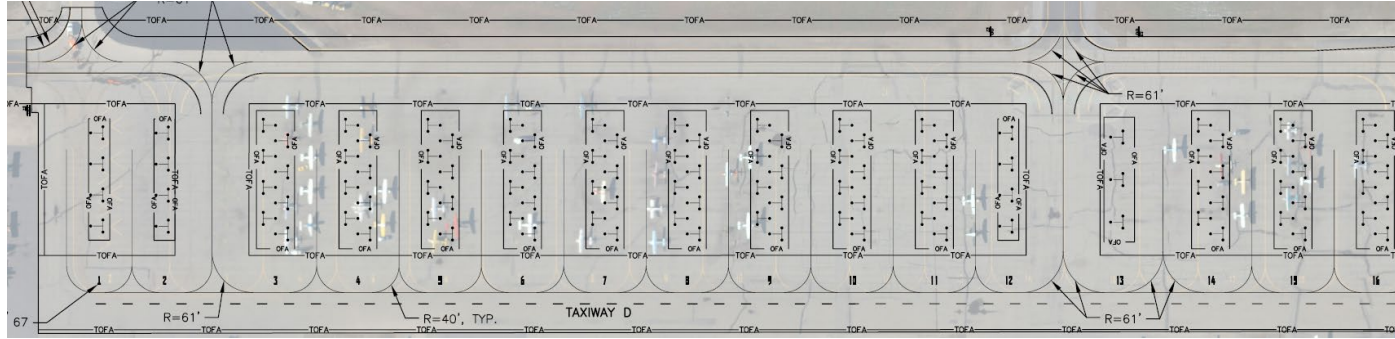
Key Option A Design Notes:

- Remain inside the current asphalt limits
- Increase the number of pull through tie-downs and meet the Eastside Master Plan's tie-down goal of at least 229.



2.1 Conceptual Layout

Overall Project: Option 1 Apron Layout





2.3 Conceptual Layout

Overall Project: Option 2 Apron Layout

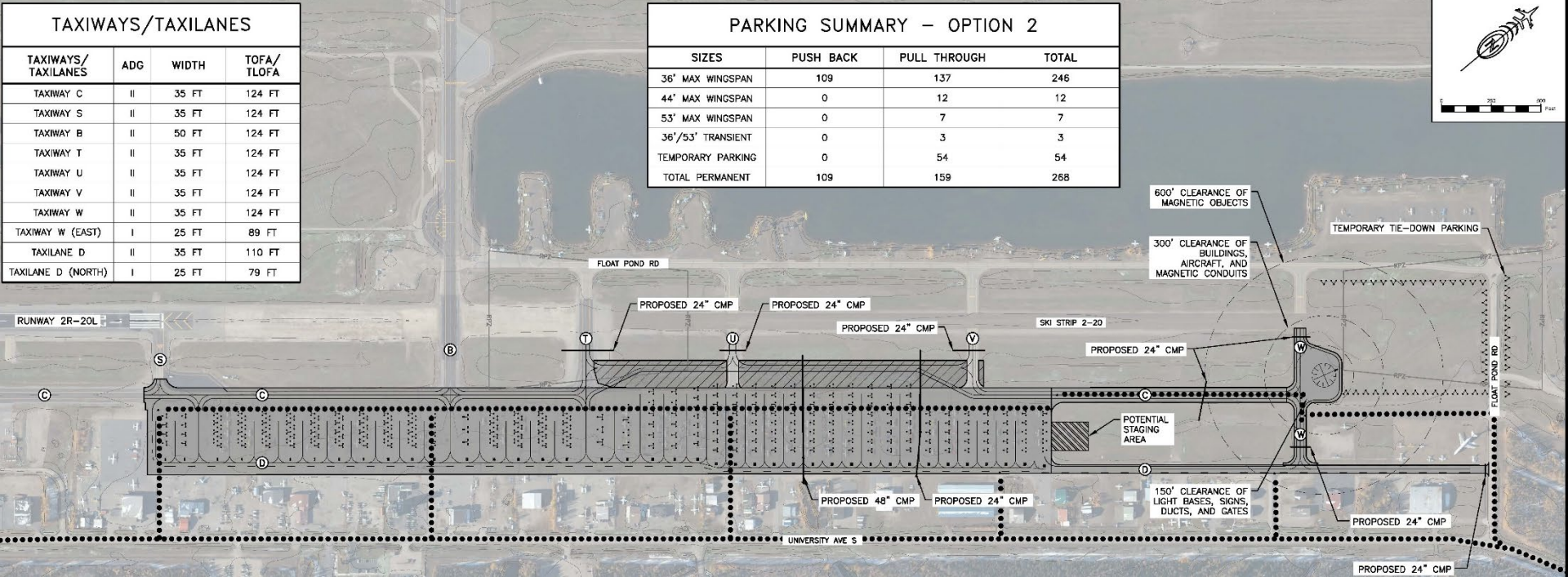


TAXIWAYS/TAXILANES

TAXIWAYS/TAXILANES	ADG	WIDTH	TOFA/TLOFA
TAXIWAY C	II	35 FT	124 FT
TAXIWAY S	II	35 FT	124 FT
TAXIWAY B	II	50 FT	124 FT
TAXIWAY T	II	35 FT	124 FT
TAXIWAY U	II	35 FT	124 FT
TAXIWAY V	II	35 FT	124 FT
TAXIWAY W	II	35 FT	124 FT
TAXIWAY W (EAST)	I	25 FT	89 FT
TAXILANE D	II	35 FT	110 FT
TAXILANE D (NORTH)	I	25 FT	79 FT

PARKING SUMMARY – OPTION 2

SIZES	PUSH BACK	PULL THROUGH	TOTAL
36' MAX WINGSPAN	109	137	246
44' MAX WINGSPAN	0	12	12
53' MAX WINGSPAN	0	7	7
36'/53' TRANSIENT	0	3	3
TEMPORARY PARKING	0	54	54
TOTAL PERMANENT	109	159	268



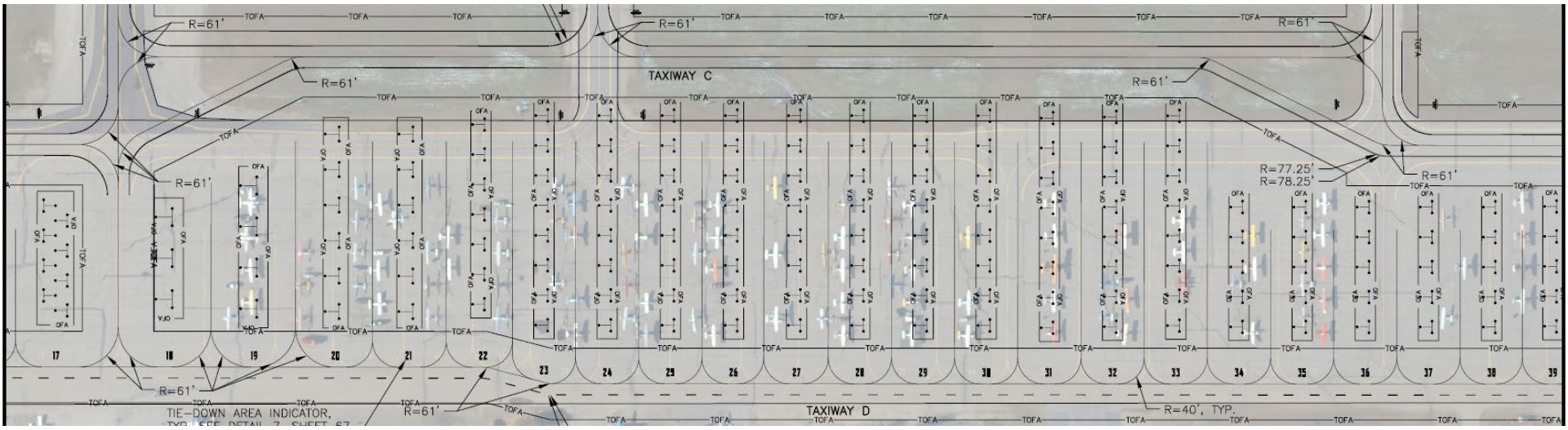
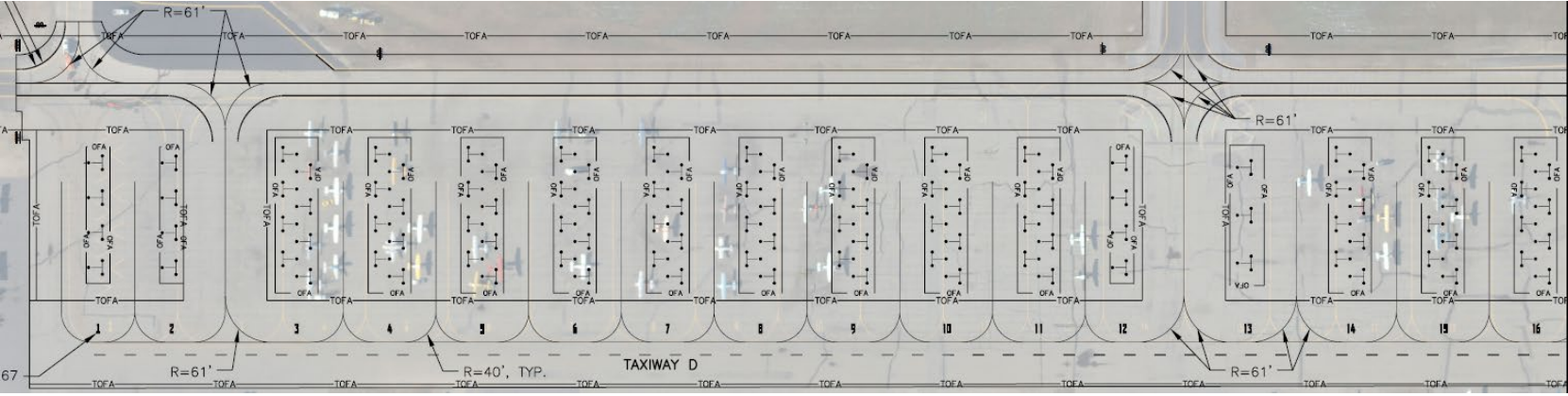
Key Option 2 Design Notes:

- Expand GA Apron into the infields between the TW C and the Ski Strip.
- TW C's alignment is adjusted to the minimum distance between an ADG II runway and a parallel taxiway, 240'.
- This layout exceeds the Eastside Master Plan's goal with space for up to 268 tie-downs



2.3 Conceptual Layout

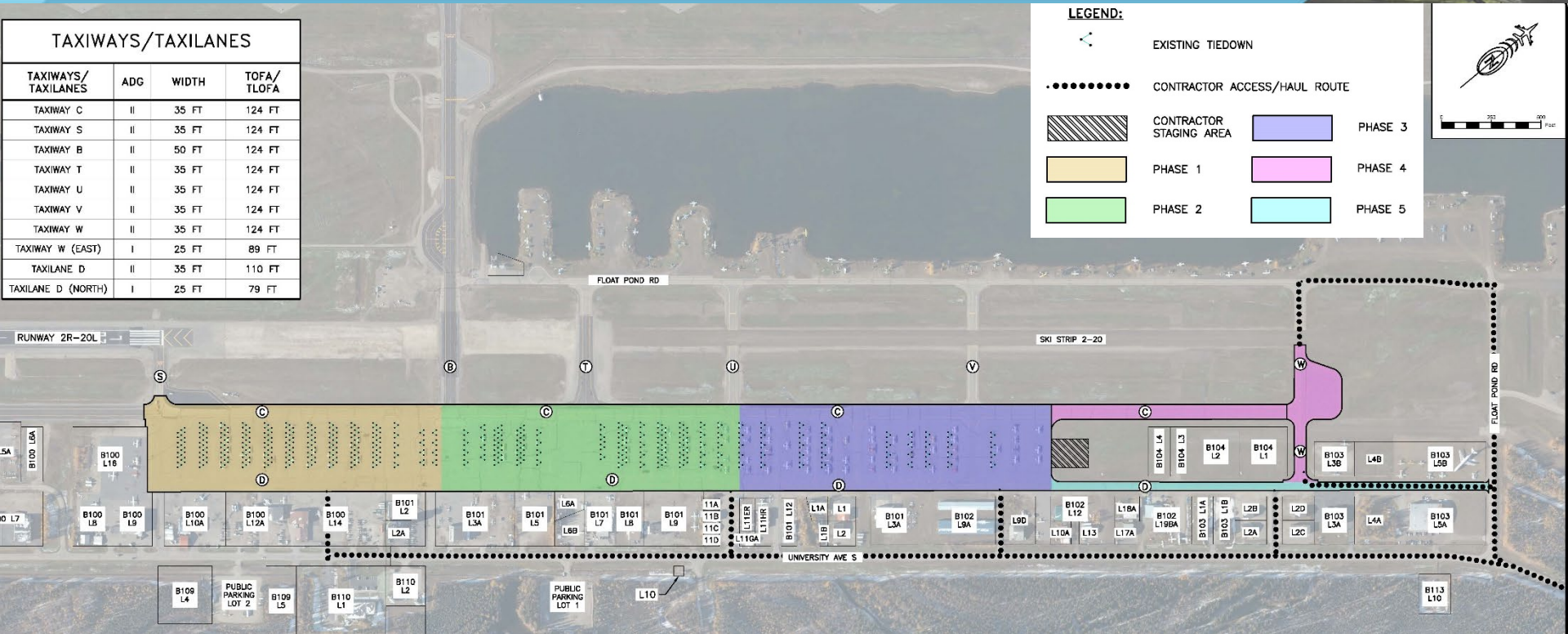
Overall Project: Option 2 Apron Layout





3 Construction

Overall Project: Construction Safety and Phasing Plan (CSPP)



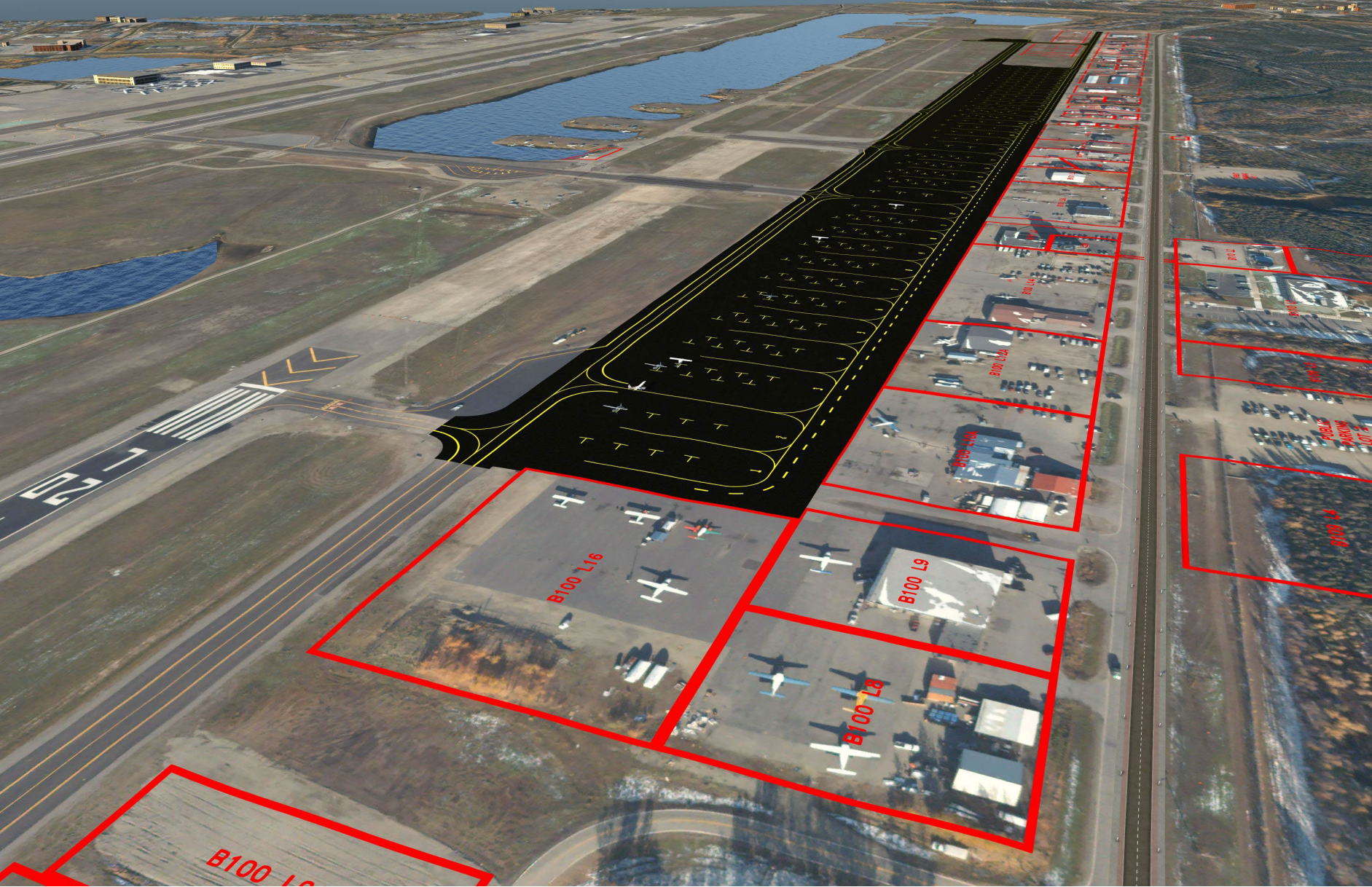
Key CSPP Design Notes:

- The apron is to be constructed in as few phases as possible to increase construction efficiency.
- Three phases are currently anticipated on the apron, however, they may be adjusted to possibly two or four depending on the number of tie-downs that must always be available during construction. This number is to be determined.
- TW C and TW D can expect half-width construction sub-phasing along the apron so aircraft operations are never disrupted during the day.
- Expect restricted or limited lease lot access during nighttime construction activities. Nighttime being between 7 PM and 6 AM. These times are not finalized yet.



4.1 Visualization

South GA Apron





4.2 Visualization

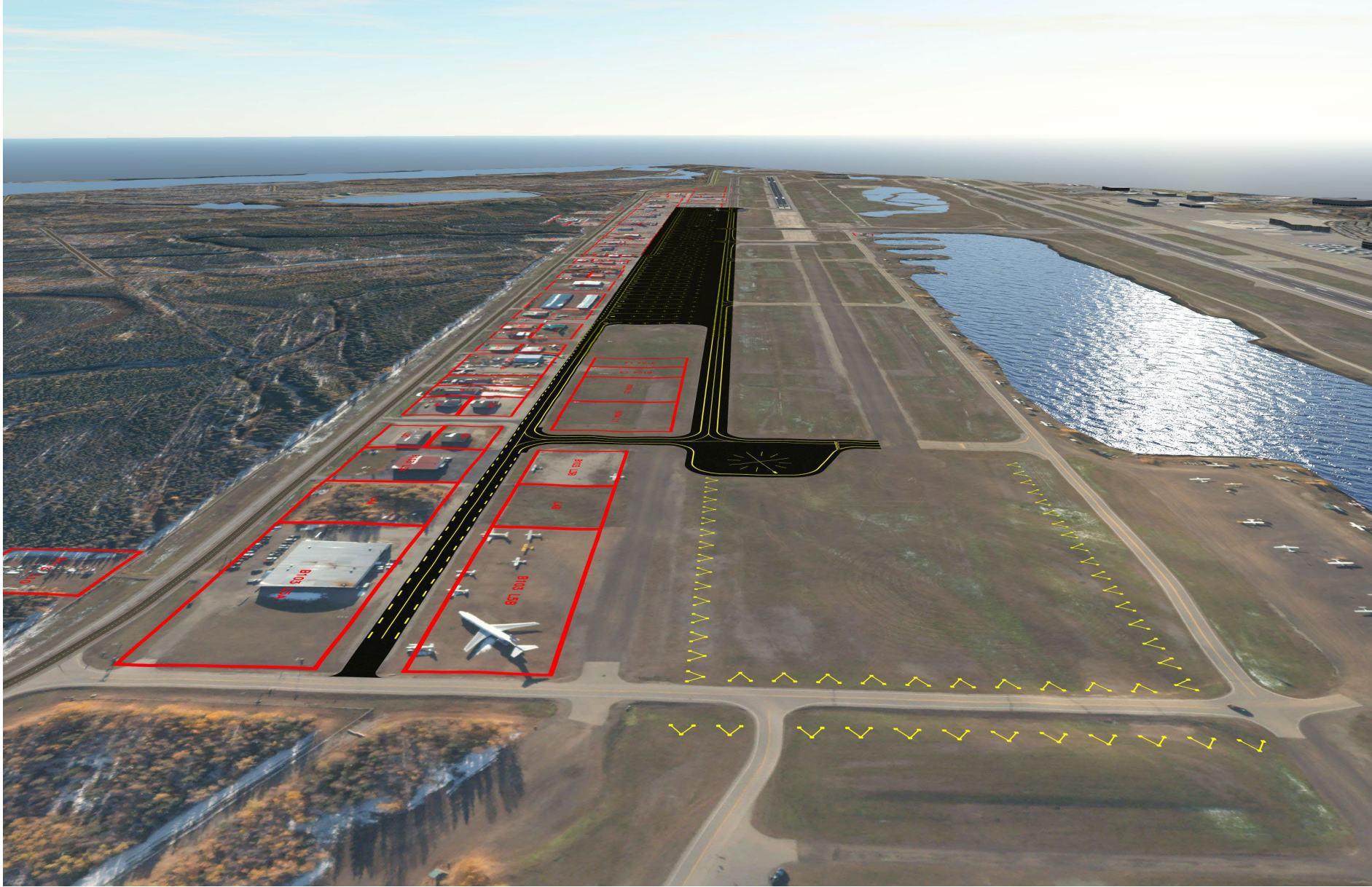
GA Apron





4.3 Visualization

North GA Apron and Taxiways





THANK
YOU

