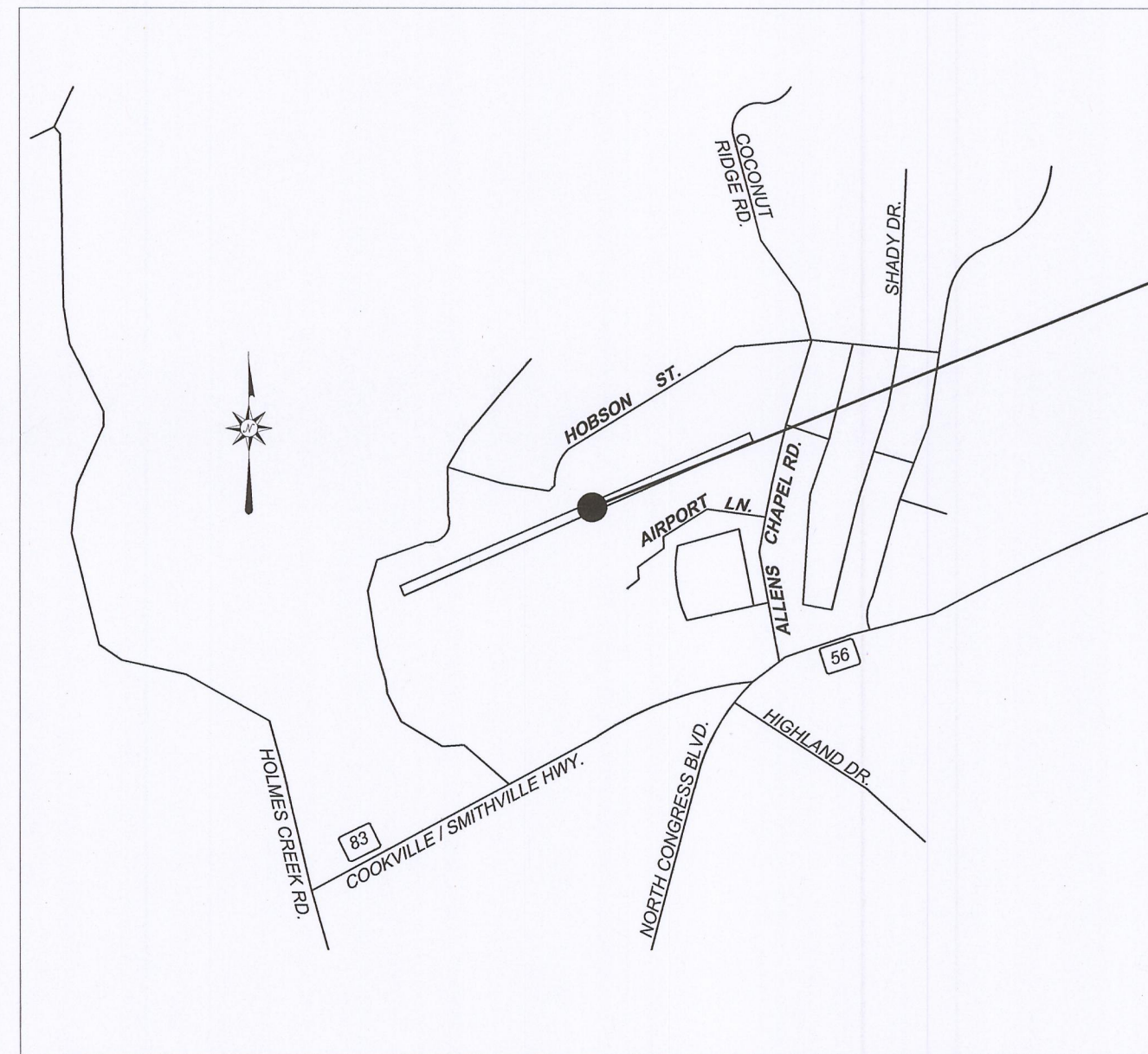


SMITHVILLE MUNICIPAL AIRPORT

SMITHVILLE, TENNESSEE

AIRPORT LAYOUT PLAN

MAY 2013



LOCATION MAP

SMITHVILLE
MUNICIPAL
AIRPORT

TENNESSEE AERONAUTICS DIVISION NUMBER 21-555-0720-04

STATE OF TENNESSEE

BILL HASLAM
GOVERNOR

TENNESSEE DEPARTMENT OF TRANSPORTATION

JOHN SCHRODER
COMMISSIONER

TDOT - DIVISION OF AERONAUTICS

WILLIAM ORELLANA
DIRECTOR

TOM BURGESS
CHIEF ENGINEER

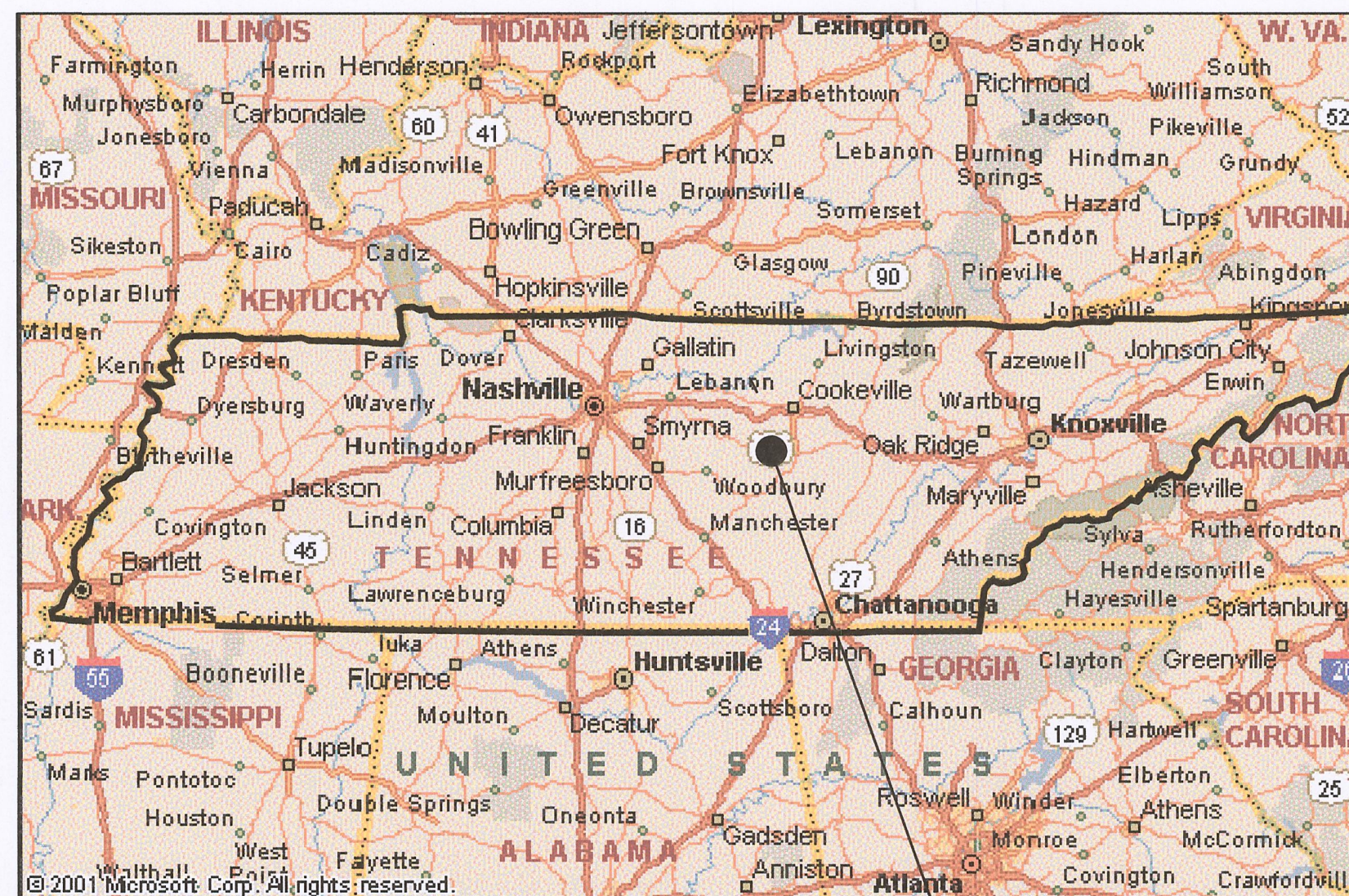
BRIAN CALDWELL
CHIEF PLANNER

CITY OF SMITHVILLE

JIMMY POSS
MAYOR

SMITHVILLE MUNICIPAL AIRPORT

WESLEY NOKES
MANAGER



VICINITY MAP

SMITHVILLE MUNICIPAL AIRPORT

INDEX OF DRAWINGS

SHEET NO.	
1	COVER SHEET
2	AIRPORT LAYOUT DRAWING
3	PART 77 AIRPORT AIRSPACE DRAWING - PLAN
4	AIRPORT AIRSPACE DRAWING - APPROACH PROFILE
5	INNER APPROACH SURFACE - RW 6
6	INNER APPROACH SURFACE - RW 24
7	LAND USE PLAN DRAWING
8	AIRPORT PROPERTY MAP

ALP Checklist Certification for Airspace Review

On behalf of RW Armstrong, I certify that the ALP prepared for the Smithville Municipal Airport was prepared according to the ALP checklist and accurately depicts the proposed use of airspace. The ALP conforms with FAA design standards, except as noted:

Signed: *[Signature]* Date: 05/30/13

**CRITICAL
AIRPORT
INFORMATION**



SMITHVILLE MUNICIPAL AIRPORT
338 AIRPORT LANE
SMITHVILLE, TENNESSEE 37166

CITY OF SMITHVILLE

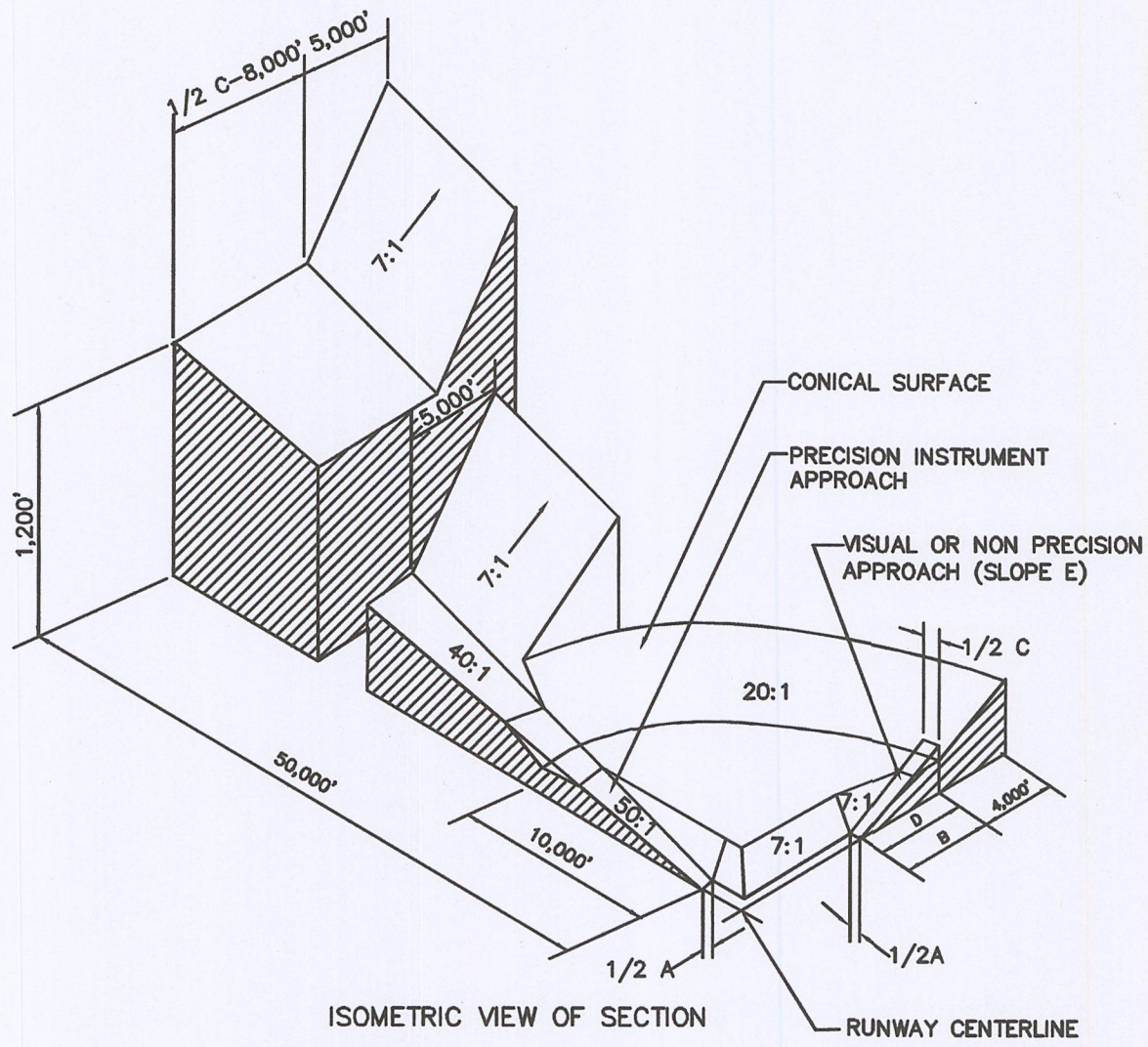
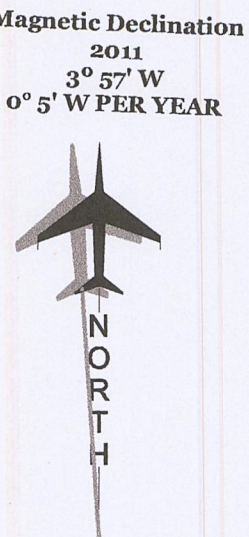
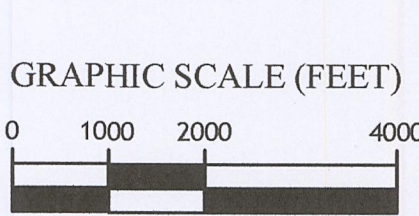
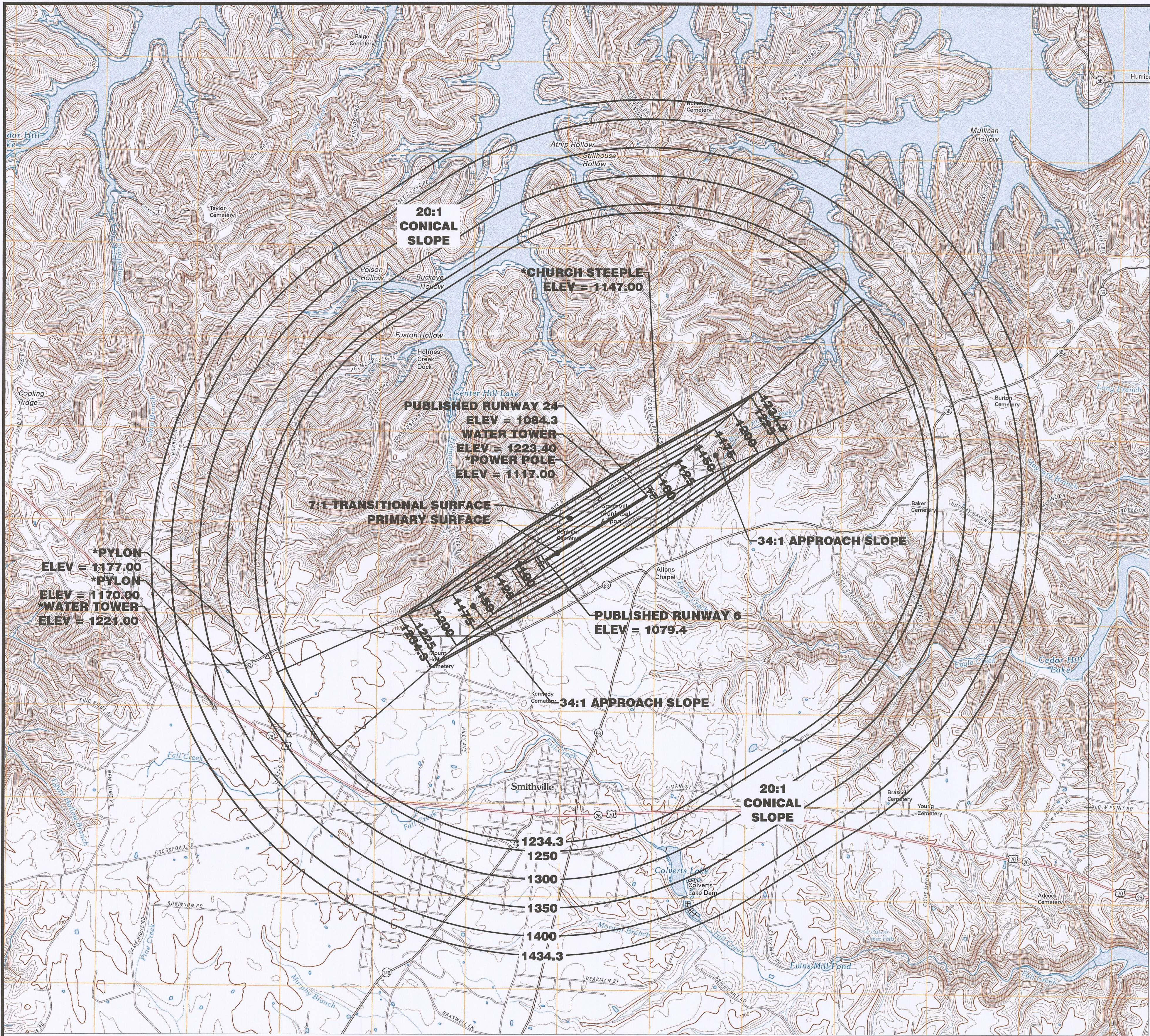
NO.	DATE	DESCRIPTION	APPROVED

TAD 21-555-0720-04
AIRPORT LAYOUT PLAN UPDATE

COVER SHEET

PROJECT NO:	20115800
DRAWN BY:	RMH
DESIGNED BY:	RMH
CHECKED BY:	KDM
FILE NAME:	
DATE:	05/13
SCALE:	AS SHOWN

SHEET **1** OF **8**



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
		A	B	A	B	C	D
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY		PRECISION INSTRUMENT RUNWAY	
		A	B	A	B	C	D
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A - UTILITY RUNWAYS
B - RUNWAYS LARGER THAN UTILITY
C - VISIBILITY MINIMUMS GREATER THAN 3/4 MILES
D - VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 Approach Surface FOR INNER 10,000 FEET AND 40:1 Approach Surface FOR AN ADDITIONAL 40,000 FEET
DENOTES RUNWAY 6-24 DIMENSIONAL STANDARDS

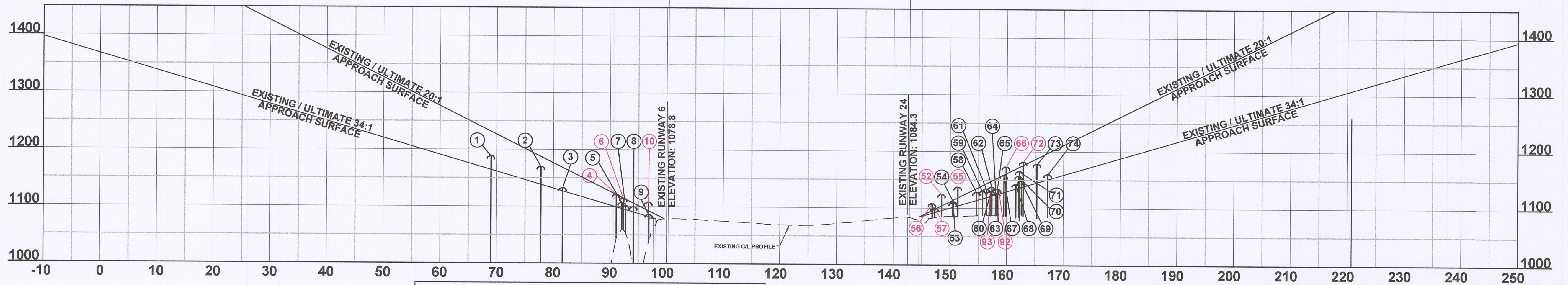
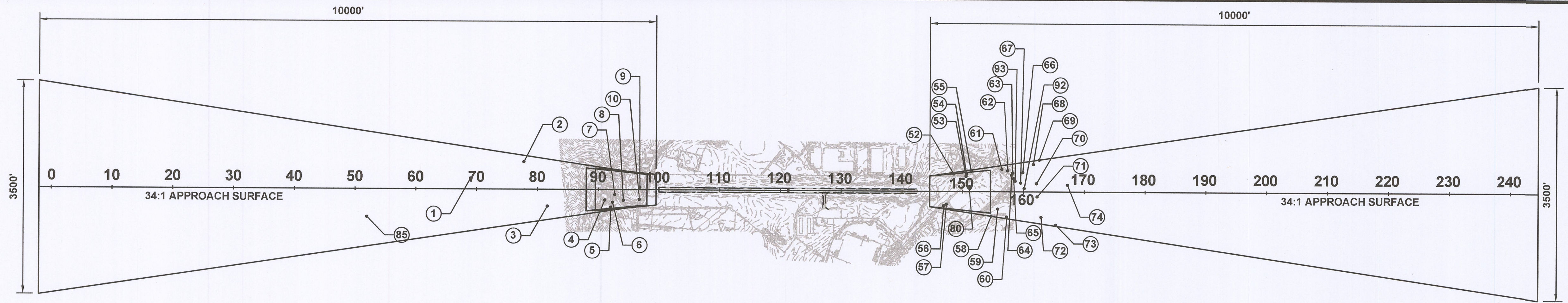
- NOTES:
- REFER TO AIRPORT LAYOUT DRAWING, APPROACH DRAWING, AND INNER PORTION OF THE APPROACH DRAWING FOR CLOSE IN OBSTRUCTIONS.
 - *DATA FROM THE NATIONAL GEODETIC SURVEY, 11-04-2009

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NO.	DATE	DESCRIPTION	APPROVED

TAD 21-555-0720-04
AIRPORT LAYOUT PLAN UPDATE
PART 77 AIRPORT AIRSPACE DRAWING-PLAN

PROJECT NO:	20115800
DRAWN BY:	RMH
DESIGNED BY:	RMH
CHECKED BY:	KDM
FILE NAME:	
DATE:	05/13
SCALE:	AS SHOWN
SHEET	3 OF 8



Runway 6 End					
OBSTRUCTIONS					
Part 77 Surface: Non-Precision Approach					
Part 77 Slope: 34:1 / 20:1					
#	Description	Top Elevation	34:1 Penetration	20:1 Penetration	Proposed Action
1	TREE	1,187.80	23.00	-43.73	REMOVE
2	TREE	1,169.40	30.55	-18.01	REMOVE
3	TREE	1,132.00	4.45	-36.20	REMOVE
4	TREE	1,121.50	21.76	0.57	REMOVE
5	TREE	1,106.30	9.52	-9.60	REMOVE
6	TREE	1,114.20	18.17	-0.42	REMOVE
7	TREE	1,100.50	5.55	-12.28	REMOVE
8	TREE	1,098.90	8.16	-6.73	REMOVE
9	TREE	1,085.40	2.56	-6.80	REMOVE
10	TREE	1,107.10	24.07	14.58	REMOVE

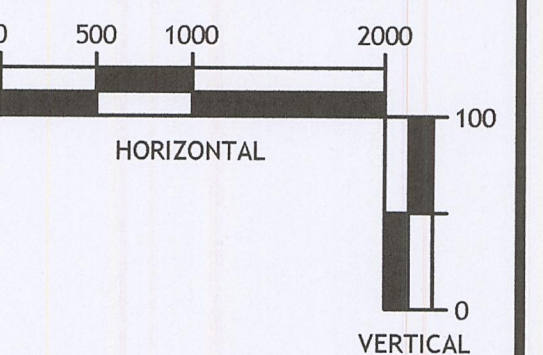
Runway 24 End					
OBSTRUCTIONS					
Part 77 Surface: Non-Precision Approach					
Part 77 Slope: 34:1 / 20:1					
#	Description	Top Elevation	34:1 Penetration	20:1 Penetration	Proposed Action
52	TREE	1,123.90	27.91	19.73	REMOVE
53	TREE	1,108.80	6.88	-5.45	REMOVE
54	TREE	1,110.90	8.73	-3.78	REMOVE
55	TREE	1,136.50	32.10	18.03	REMOVE
56	TREE	1,107.20	16.09	11.32	REMOVE
57	TREE	1,099.50	7.04	1.33	REMOVE
58	TREE	1,127.50	13.38	-7.49	REMOVE
59	TREE	1,129.20	11.89	-11.22	REMOVE
60	TREE	1,130.00	8.29	-17.90	REMOVE
61	TREE	1,133.80	14.57	-9.88	REMOVE
62	TREE	1,136.80	14.72	-11.73	REMOVE
63	TREE	1,126.60	2.11	-26.02	REMOVE
64	TREE	1,133.30	9.31	-18.47	REMOVE
65	TREE	1,133.20	8.27	-20.17	REMOVE
66	TREE	1,172.50	44.14	13.30	REMOVE
67	TREE	1,157.70	29.37	-1.45	REMOVE
68	TREE	1,141.80	7.34	-27.77	REMOVE
69	TREE	1,147.10	9.73	-27.42	REMOVE
70	TREE	1,155.90	19.89	-16.31	REMOVE
71	TREE	1,164.50	28.15	-8.28	REMOVE
72	TREE	1,181.10	42.79	4.98	REMOVE
73	TREE	1,177.90	32.48	-10.30	REMOVE
74	TREE	1,159.50	8.44	-38.29	REMOVE
92	POLE	1123.0	2.49'	-26.46'	RELOCATE
93	POLE	1128.0	5.06'	-20.70'	RELOCATE

LEGEND

↑
TREE OBSTRUCTION

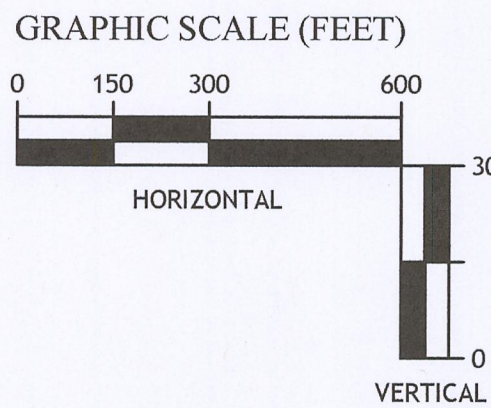
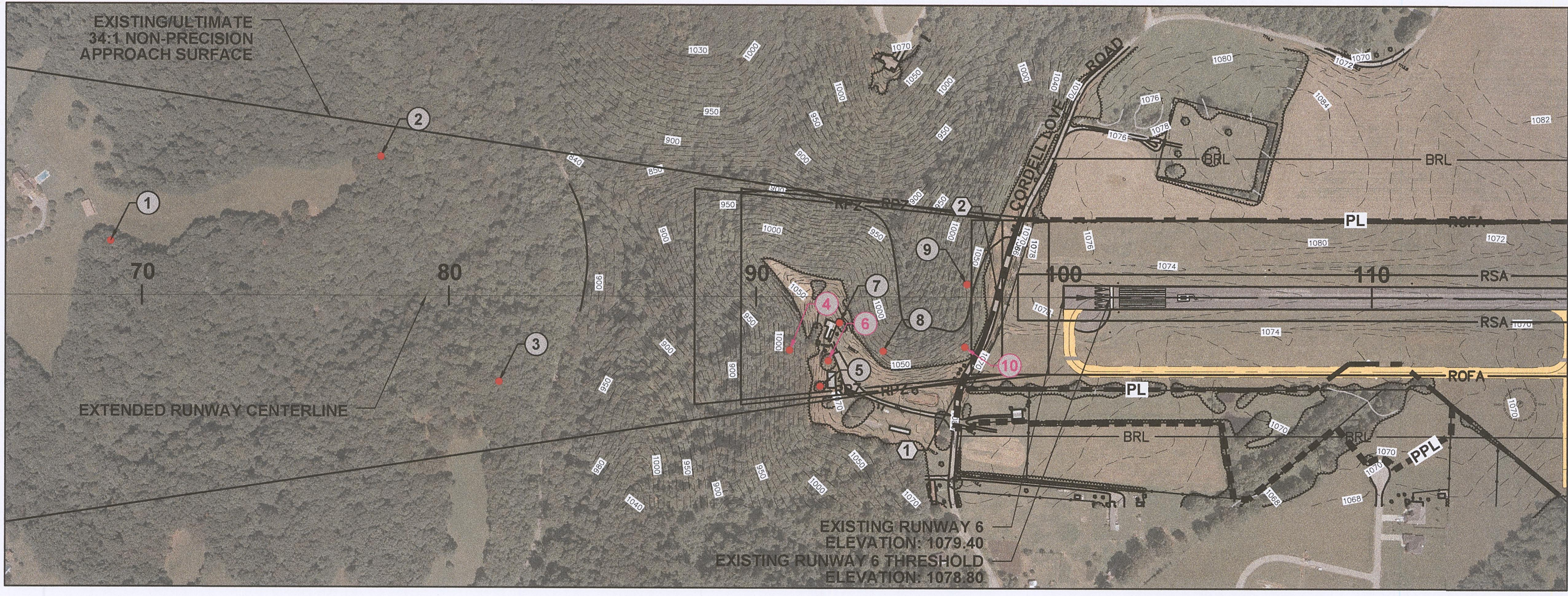
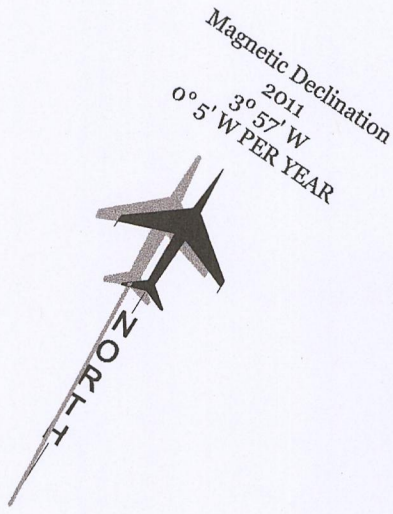
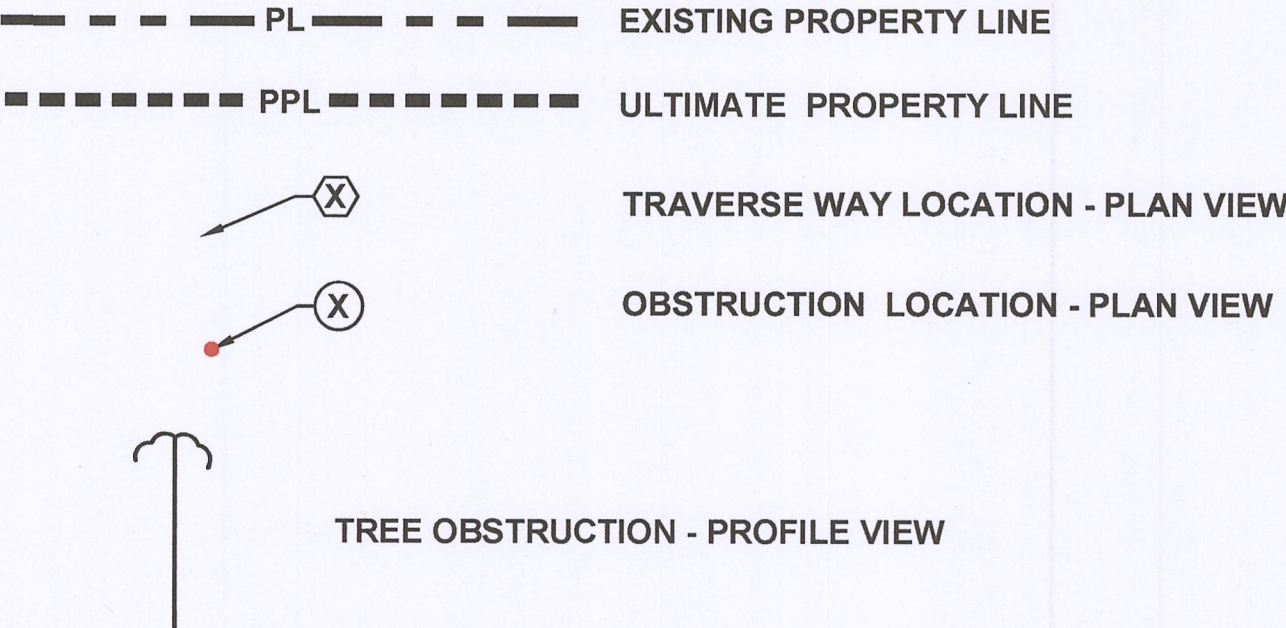
NOTE:
REFER TO INNER PORTION OF APPROACH SURFACE DRAWING FOR
CLOSE IN OBSTRUCTIONS. REFER TO AIRSPACE DRAWING FOR
OBSTRUCTIONS WITHIN HORIZONTAL & CONICAL SURFACES.

GRAPHIC SCALE (FEET)



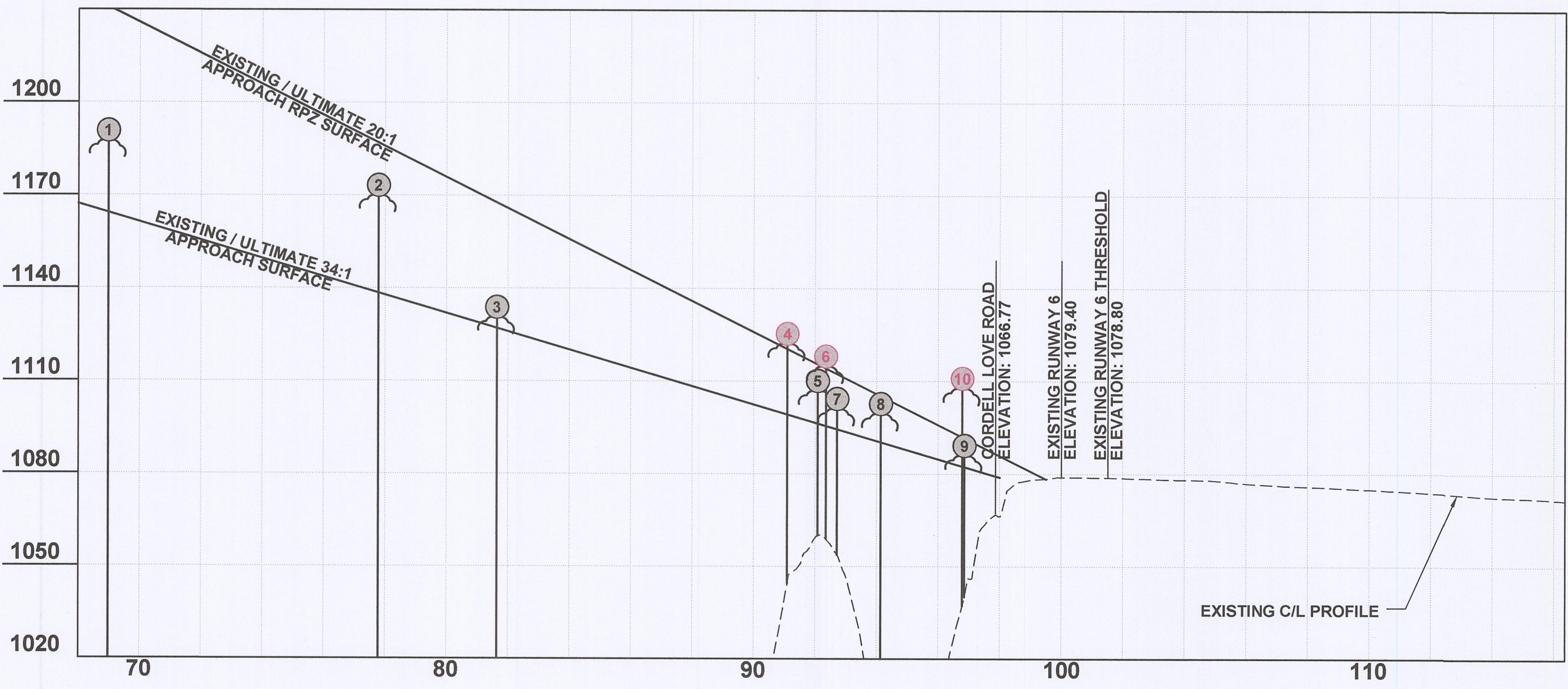
NO.	DATE	DESCRIPTION	APPROVED

LEGEND



Runway 6 End					
OBSTRUCTIONS					
Part 77 Surface: Non-Precision Approach					
Part 77 Slope: 34:1 / 20:1					
#	Description	Top Elevation	34:1 Penetration	20:1 Penetration	Proposed Action
1	TREE	1,187.80	23.00	-43.73	REMOVE
2	TREE	1,169.40	30.55	-18.01	REMOVE
3	TREE	1,132.00	4.45	-36.20	REMOVE
4	TREE	1,121.50	21.76	0.57	REMOVE
5	TREE	1,106.30	9.52	-9.60	REMOVE
6	TREE	1,114.20	18.17	-0.42	REMOVE
7	TREE	1,100.50	5.55	-12.28	REMOVE
8	TREE	1,098.90	8.16	-6.73	REMOVE
9	TREE	1,085.40	2.56	-6.80	REMOVE
10	TREE	1,107.10	24.07	14.58	REMOVE

TRAVERSE WAY					
#	Roadway Elevation	20:1 Approach Surface Elevation	34:1 Approach Surface Elevation	Amount of Penetration With 15' Vehicle	Proposed Action
1	1073.61	1092.77	1083.19	-4.16'	NONE
2	1066.77	1087.10	1079.85	-5.33'	NONE



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SMITHVILLE MUNICIPAL AIRPORT
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SMITHVILLE, TENNESSEE 37166

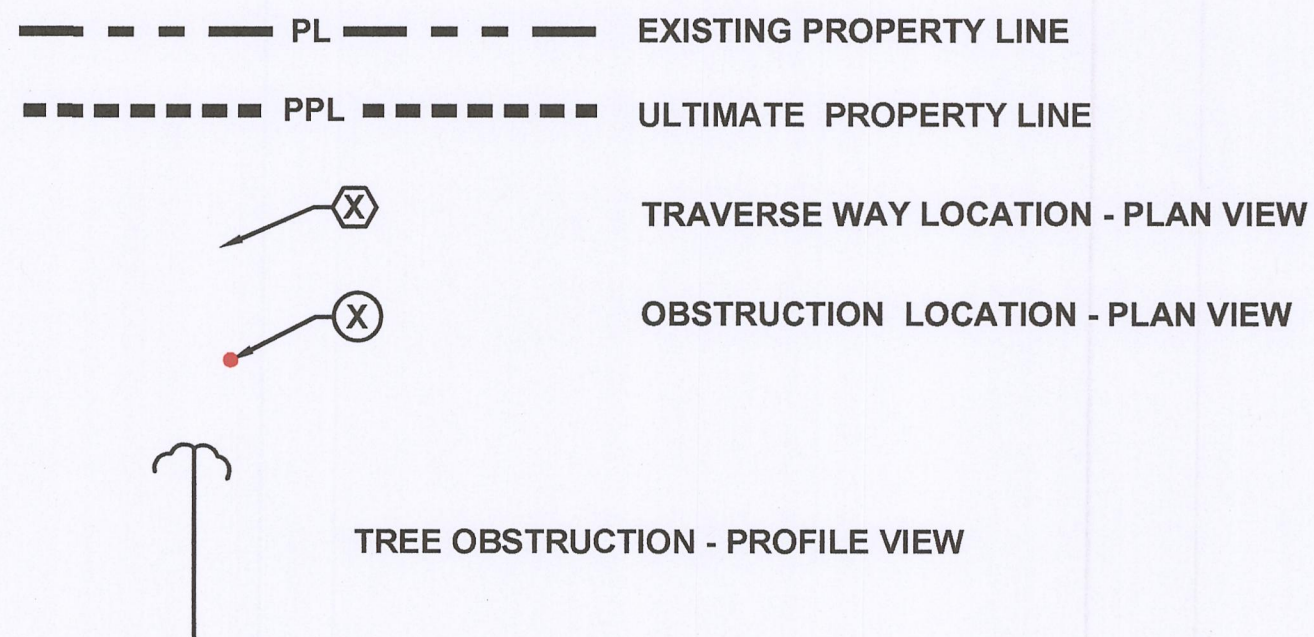
CITY OF SMITHVILLE

NO.	DATE	DESCRIPTION	APPROVED

TAD 21-555-0720-04
AIRPORT LAYOUT PLAN UPDATE
INNER PORTION OF APPROACH SURFACE DRAWING
RUNWAY 6

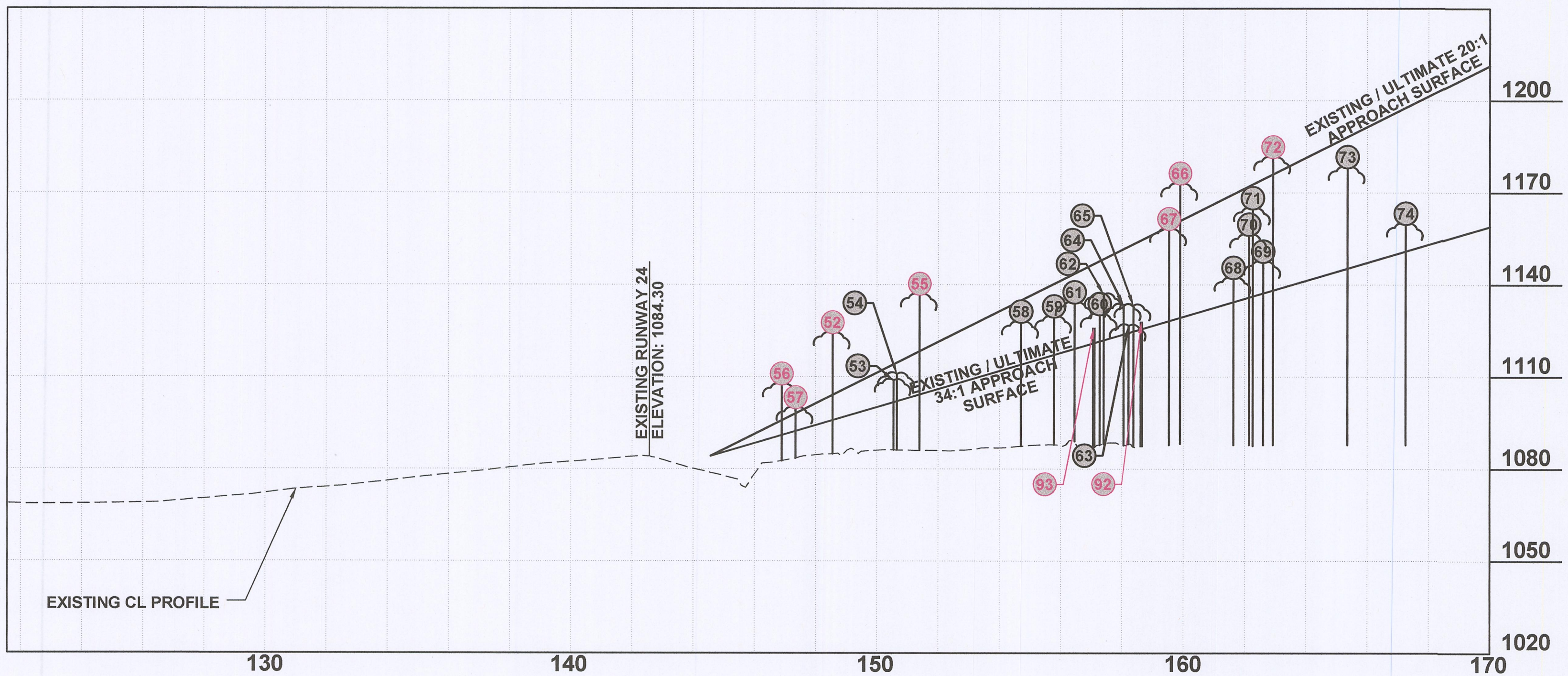
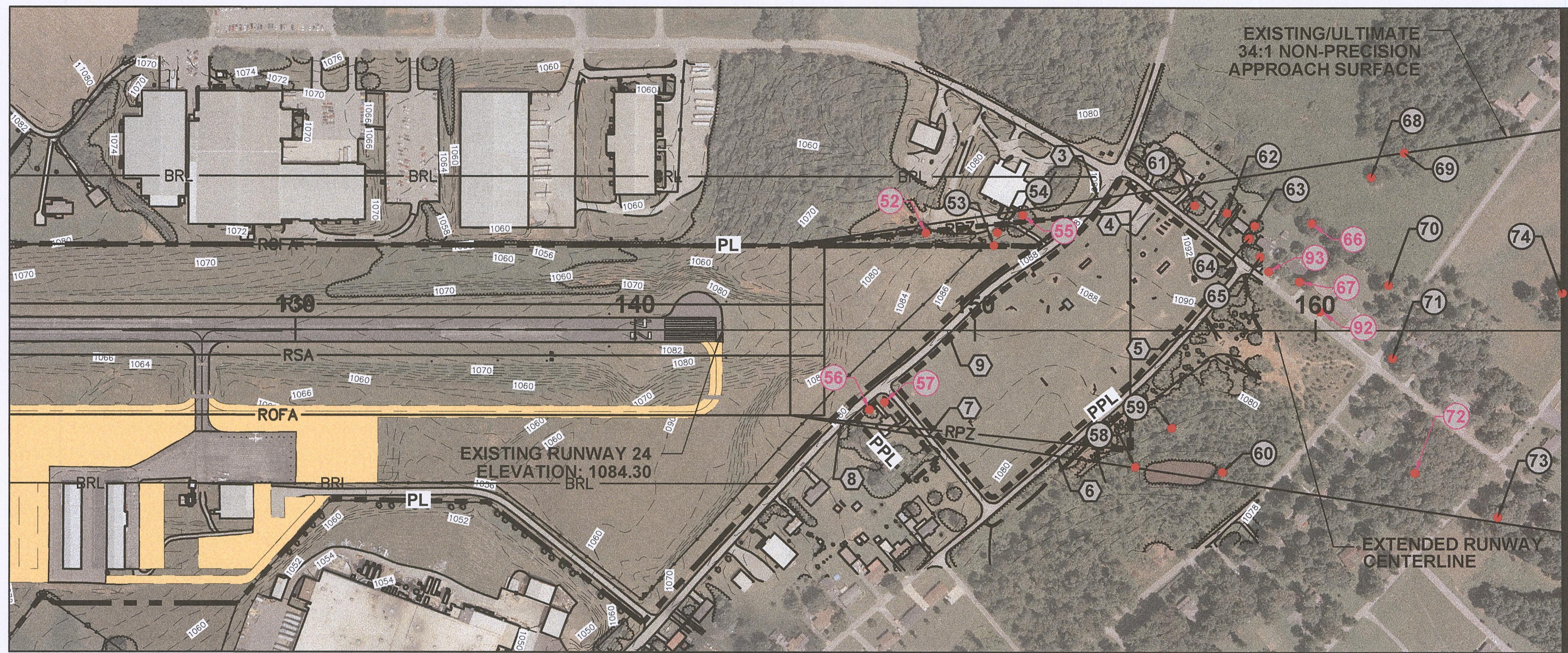
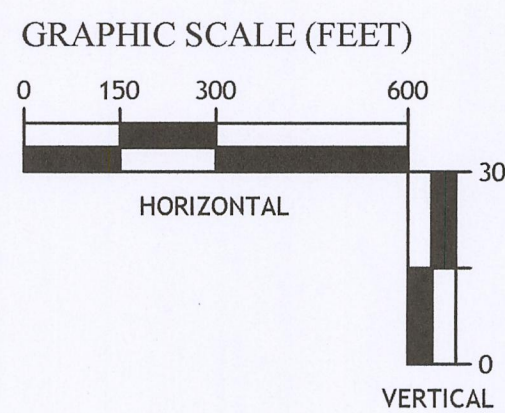
PROJECT NO:	2015800
DRAWN BY:	RMH
DESIGNED BY:	RMH
CHECKED BY:	KDM
FILE NAME:	
DATE:	05/13
SCALE:	AS SHOWN
SHEET 5 OF 8	

LEGEND



Runway 24 End					
OBSTRUCTIONS					
Part 77 Surface: Non-Precision Approach					
Part 77 Slope: 34:1 / 20:1					
#	Description	Top Elevation	34:1 Penetration	20:1 Penetration	Proposed Action
52	TREE	1,123.90	27.91	19.73	REMOVE
53	TREE	1,108.80	6.88	-5.45	REMOVE
54	TREE	1,110.90	8.73	-3.78	REMOVE
55	TREE	1,136.50	32.10	18.03	REMOVE
56	TREE	1,107.20	16.09	11.32	REMOVE
57	TREE	1,099.50	7.04	1.33	REMOVE
58	TREE	1,127.50	13.38	-7.49	REMOVE
59	TREE	1,129.20	11.89	-11.22	REMOVE
60	TREE	1,130.00	8.29	-17.90	REMOVE
61	TREE	1,133.80	14.57	-9.88	REMOVE
62	TREE	1,136.80	14.72	-11.73	REMOVE
63	TREE	1,126.60	2.11	-26.02	REMOVE
64	TREE	1,133.30	9.31	-18.47	REMOVE
65	TREE	1,133.20	8.27	-20.17	REMOVE
66	TREE	1,172.50	44.14	13.30	REMOVE
67	TREE	1,157.70	29.37	-1.45	REMOVE
68	TREE	1,141.80	7.34	-27.77	REMOVE
69	TREE	1,147.10	9.73	-27.42	REMOVE
70	TREE	1,155.90	19.89	-16.31	REMOVE
71	TREE	1,164.50	28.15	-8.28	REMOVE
72	TREE	1,181.10	42.79	4.98	REMOVE
73	TREE	1,177.90	32.48	-10.30	REMOVE
74	TREE	1,159.50	8.44	-38.29	REMOVE
92	POLE	1123.0	2.49'	-26.46'	RELOCATE
93	POLE	1128.0	5.06'	-20.70'	RELOCATE

TRAVERSE WAY					
#	Roadway Elevation	20:1 Approach Surface Elevation	34:1 Approach Surface Elevation	Amount of Penetration With 15' Vehicle	Proposed Action
3	1087.29	1129.69	1111.00	-27.40'	NONE
4	1090.12	1137.37	1115.52	-47.25'	NONE
5	1089.23	1142.98	1118.82	-38.75'	NONE
6	1080.88	1123.52	1107.37	-27.64'	NONE
7	1085.29	1104.56	1096.22	-4.27'	NONE
8	1081.61	1091.76	1088.69	4.85'	LOWER ROAD BY 5'
9	1086.61	1097.85	1097.85	-5.73'	NONE



NO.	DATE	DESCRIPTION	APPROVED