

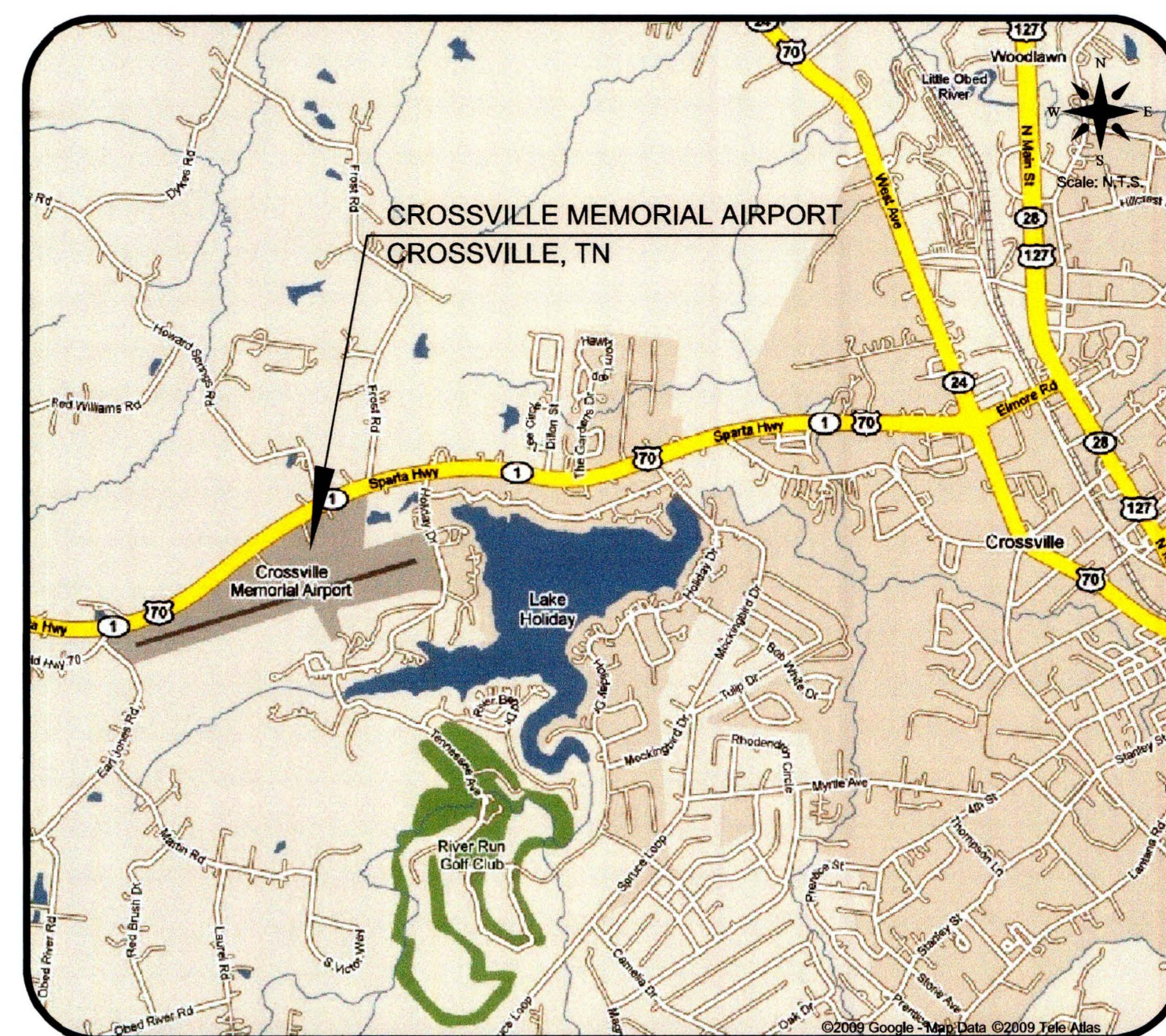
AIRPORT LAYOUT PLAN

Crossville Memorial Airport-Whitson Field

Crossville, Tennessee

PLANNING & PROGRAMMING
OFFICIAL COPY

OPERATED BY
CITY OF CROSSVILLE

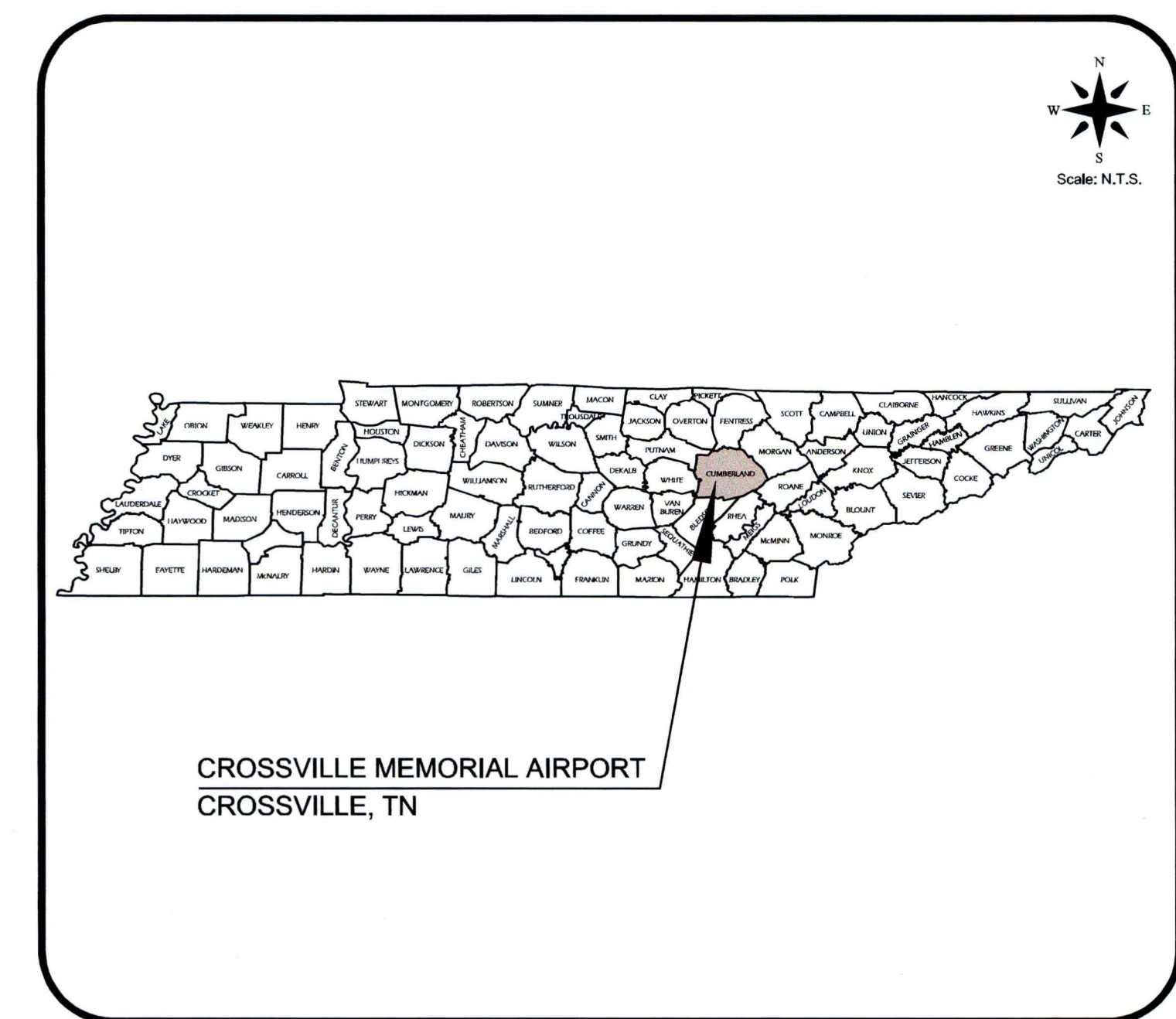


VICINITY MAP



PREPARED BY

PBSJ® 402 BNA Drive, Suite 350
Nashville, TN 37217
TEL. 615.399.0298
FAX. 615.399.0263
www.pbsj.com



LOCATION MAP

SEPTEMBER 2010

TAD NO. 18-555-0727-04

CITY MANAGER
CURTIS ADAMS

CITY CLERK
SALLY OGLESBY

AIRPORT MANAGER
CHRIS BENNETT

INDEX OF DRAWINGS

<u>TITLE</u>	<u>SHEET NO.</u>
COVER SHEET	1 OF 8
AIRPORT LAYOUT DRAWING	2 OF 8
TERMINAL AREA PLAN	3 OF 8
RUNWAY 8-26 APPROACH PLAN & PROFILE	4 OF 8
PART-77 AIRSPACE SURFACES SHEET 1	5 OF 8
PART-77 AIRSPACE SURFACES SHEET 2	6 OF 8
LAND USE MAP	7 OF 8
AIRPORT PROPERTY MAP	8 OF 8

PLANNING & PROGRAMMING
OFFICIAL COPY

Runway Safety Area Determination							
Runway End Number	Standard RSA		Actual RSA		Violations to RSA along side of runway	RSA Determination	Date Approved
	Length beyond rwy	Width	Length beyond rwy	Width			
Existing 8	300'	150'	300'	150'	NO*		
Ultimate 8	300'	150'	300'	150'	NO		
Existing 26	300'	150'	300'	150'	NO*		
Ultimate 26	300'	150'	300'	150'	NO		

AIRPORT DATA		
AIRPORT DATA	EXISTING	ULTIMATE
Airport Elevation (MSL)	1881'	1881'
Airport Reference Point (NAD 83)		
Latitude	35°57'04.65"N	35°57'04.65"N
Longitude	085°05'05.92"W	085°05'05.92"W
Mean Max Temperature of Hottest Month	85° F	85° F
Airport Terminal Area NAVAIDS	ILS, BEACON	ILS, BEACON, GPS
Airport Reference Code / Runway	B-II	B-II
Design Aircraft	CESSNA CITATION	CESSNA CITATION
Taxiway Lighting	MITL	MITL

CONDITIONALLY APPROVED

STATE BLOCK GRANT PROGRAM

J. Tom Burgess, P.E. 10/10/11 Date

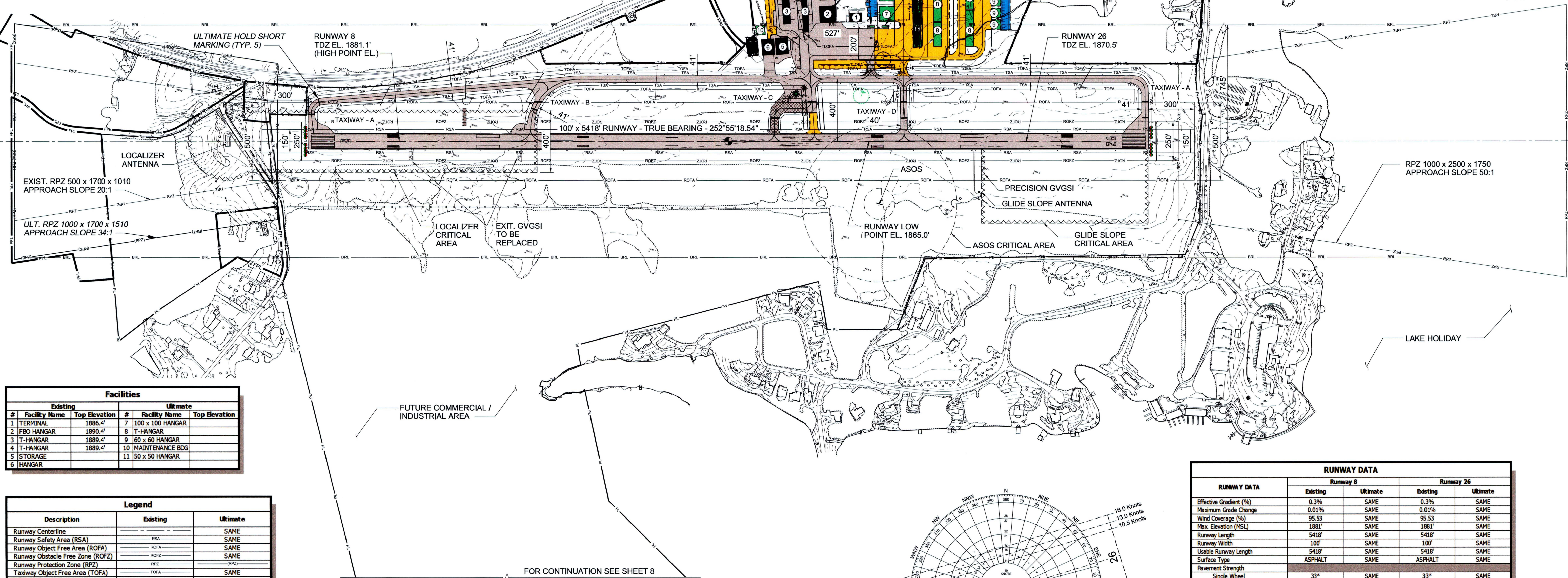
TN DEPT. OF TRANSPORTATION

Subject to Comments in Approval Letter

DECLINATION 14.6 W
MAGNETIC
TRUE NORTH

0 300' 600'

JULY 2009
ANNUAL RATE OF CHANGE
0° 4' W



Facilities			
#	Facility Name	Existing Top Elevation	Ultimate Top Elevation
1	TERMINAL	1886.4'	7 100 x 100 HANGAR
2	FBO HANGAR	1890.4'	8 T-HANGAR
3	T-HANGAR	1889.4'	9 60 x 60 HANGAR
4	T-HANGAR	1889.4'	10 MAINTENANCE BGD
5	STORAGE		11 50 x 50 HANGAR
6	HANGAR		

Legend		
Description	Existing	Ultimate
Runway Centerline		SAME
Runway Safety Area (RSA)	RSA	SAME
Runway Object Free Area (ROFA)	ROFA	SAME
Runway Obstacle Free Zone (ROFZ)	ROFZ	SAME
Runway Protection Zone (RPZ)	RPZ	(RPZ)
Taxiway Object Free Area (TOFA)	TOFA	SAME
Taxiway Safety Area (TSA)	TSA	SAME
Building Restriction Line (BRL)	BRL	SAME
Airport Pavement		
Airport Reference Point		SAME
Airport Buildings		SAME
Other Buildings		SAME
Airport Property Line / Easements	PL	FPL
Fence	X X X X	X X X X
Roads		
Tree line		SAME
Ground Elevation Contours	1870	SAME
Pavement/Bldg. to be Removed		
GVGSI	□□□□	□□□□
Rotating Beacon	*	SAME
Segmented Circle		
Compass Rose	*	

AIRPORT SPONSOR APPROVAL

THIS AIRPORT DRAWING IS APPROVED BY:

(SIGNATURE) Curtis D. Adams DATE: 10/25/10

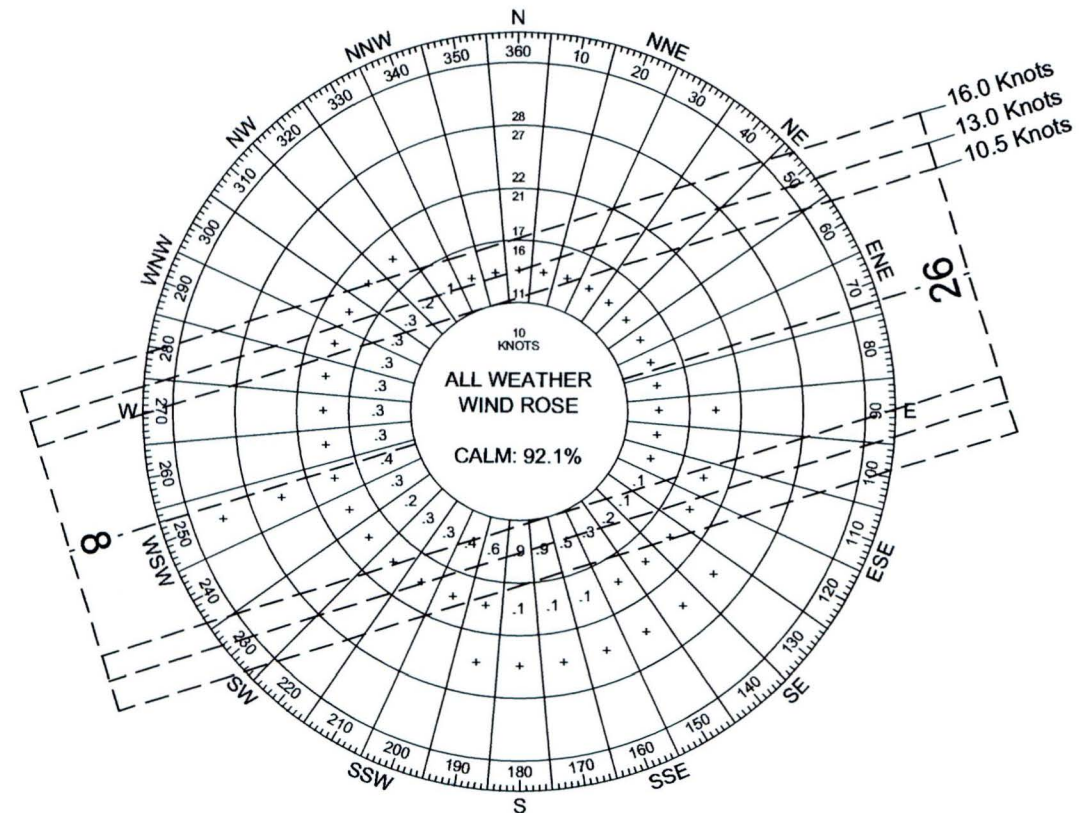
NAME: CURTIS D. ADAMS

TITLE: CITY MANAGER

Construction Notice Requirement

To protect operational safety and future development, all proposed construction on the airport must be coordinated by the airport owner with the Tennessee Department of Transportation - Aeronautics Division/FAA prior to construction. TDOT-AD's review tak

- NOTES:
- ALL GVGSIT SITING MUST BE IN ACCORDANCE WITH FAA GUIDANCE.
 - ALL COORDINATES BASED UPON NAD 83.
 - SEE TERMINAL AREA PLAN (SHEET 3) FOR FUTURE DEVELOPMENT DETAILS.
 - FOR PENETRATIONS TO THE APPROACH SURFACE, SEE APPROACH PLAN & PROFILE (SHEET 4)
 - THERE ARE NO OBSTACLE FREE ZONE PENETRATIONS.



RUNWAY 8-26 WIND COVERAGE	
GROSS WIND COMPONENT	ALL WEATHER COVERAGE
10.5 Knots	95.53%
13.0 Knots	97.59%
16.0 Knots	99.55%

Station: Crossville Memorial Airport, Crossville Tennessee
Source: National Climatic Data Center/National Oceanic and Atmospheric Administration
Period of Observation: 1961 - 2008
All Weather Observations: 13,879

RUNWAY DATA	Runway 8		Runway 26	
	Existing	Ultimate	Existing	Ultimate
Effective Gradient (%)	0.3%	SAME	0.3%	SAME
Maximum Grade Change	0.01%	SAME	0.01%	SAME
Wind Coverage (%)	95.53	SAME	95.53	SAME
Max. Elevation (MSL)	1881'	SAME	1881'	SAME
Runway Length	5418'	SAME	5418'	SAME
Runway Width	100'	SAME	100'	SAME
Usable Runway Length	5418'	SAME	5418'	SAME
Surface Type	ASPHALT	SAME	ASPHALT	SAME
Pavement Strength				
Single Wheel	33*	SAME	33*	SAME
Dual Wheel	62*	SAME	62*	SAME
Approach Surface Slope	20:1	SAME	20:1	SAME
Approach Visibility Minimums	VISUAL	1 MILE	3/4 MILE	SAME
Visual Approach Aids	VASI	GVGSI, REIL	GVGSI, REIL	SAME
Instrument Approach Aids	VOR-DME	GPS	ILS/GPS	SAME
Runway Lighting	HIRL	SAME	HIRL	SAME
Runway Marking	PRECISION	SAME	PRECISION	SAME
Stage Length				
Runway Object Free Area (ROFA)				
Length Beyond Runway	300'	SAME	300'	SAME
Width	500'	SAME	500'	SAME
Runway Safety Area (RSA)				
Length Beyond Runway	300'	SAME	300'	SAME
Width	150'	SAME	150'	SAME
FAR Part 77 Category	VISUAL	NPI	PIR	SAME
Runway End Coordinates (NAD 83)				
Latitude	35°56'57.02"N	SAME	35°57'12.28"N	SAME
Longitude	085°05'37.50"W	SAME	085°04'34.34"W	SAME
Runway End Elevations (MSL)	1880.9'	SAME	1886.5'	SAME
TDZ Elevation (MSL)	1881.1'	SAME	1870.5'	SAME

REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

AIRPORT LAYOUT PLAN

Crossville Memorial Airport - Whitson Field

Crossville, Tennessee

SHEET TITLE

AIRPORT LAYOUT DRAWING

402 BNA Drive, Suite 350

Nashville, TN 37217

TEL. 615.399.0296

FAX. 615.399.0263

www.pbsj.com

JOB NO.: 100002689

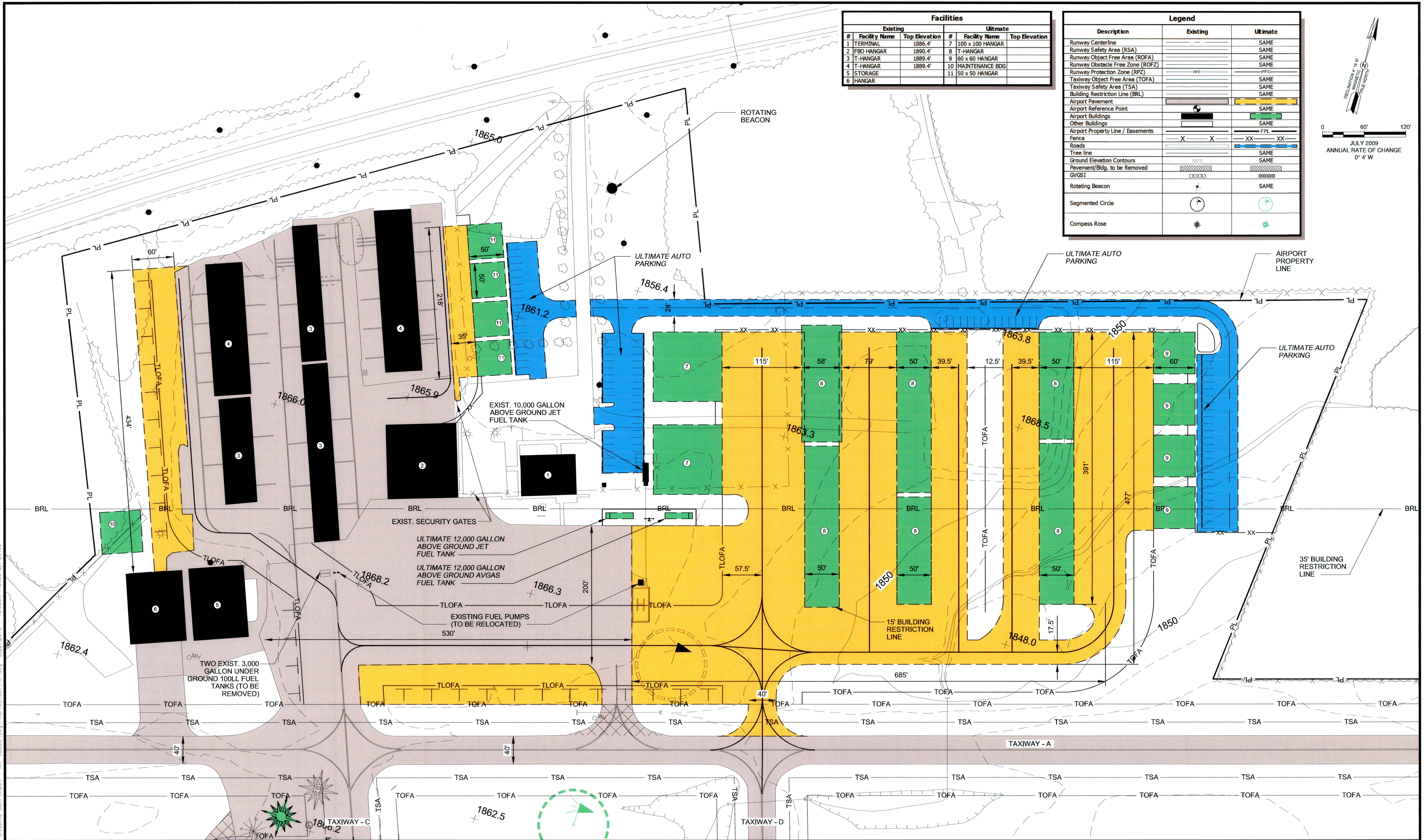
DRAWN: OV

CHECKED: JH

DATE: JANUARY 2010

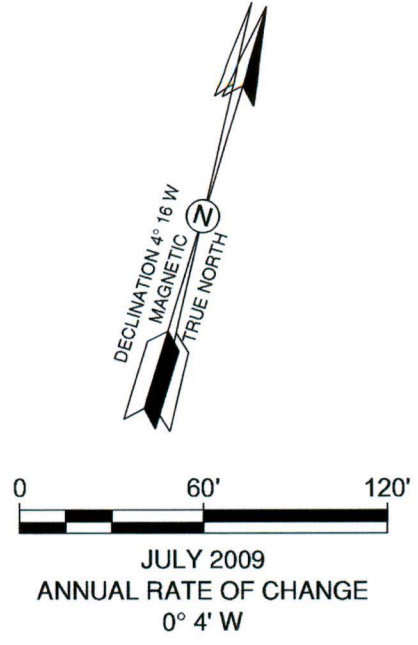
SHEET 2 OF 8

S:\Crossville Mem Airport\100002689 - Airport Layout Plan\100002689 - Airport Layout Plan.dwg Sep 27 2010 10:05am Plotted By: 21440



Facilities					
Existing			Ultimate		
#	Facility Name	Top Elevation	#	Facility Name	Top Elevation
1	TERMINAL	1886.4'	7	100' x 100' HANGAR	
2	FBO HANGAR	1880.4'	8	T-HANGAR	
3	T-HANGAR	1889.4'	9	60' x 60' HANGAR	
4	T-HANGAR	1889.4'	10	MAINTENANCE BDG	
5	STORAGE		11	50' x 50' HANGAR	
6	HANGAR				

Legend		
Description	Existing	Ultimate
Runway Centerline		SAME
Runway Safety Area (RSA)		SAME
Runway Object Free Area (ROFA)		SAME
Runway Protection Zone (RPZ)		SAME
Taxiway Object Free Area (TOFA)		SAME
Taxiway Safety Area (TSA)		SAME
Building Restriction Line (BRL)		SAME
Airport Pavement		SAME
Airport Reference Point		SAME
Other Buildings		SAME
Airport Property Line / Easements		FPL
Fence	X X	XX XX
Roads		
Tree line		SAME
Ground Elevation Contours	1870	SAME
Pavement/Bldg. to be Removed		
GVGSI		
Rotating Beacon		SAME
Segmented Circle		
Compass Rose		



REVISIONS	
DATE	DESCRIPTION

CLIENT

PROJECT

AIRPORT LAYOUT PLAN
Crossville Memorial Airport - Whitson Field
Crossville, Tennessee

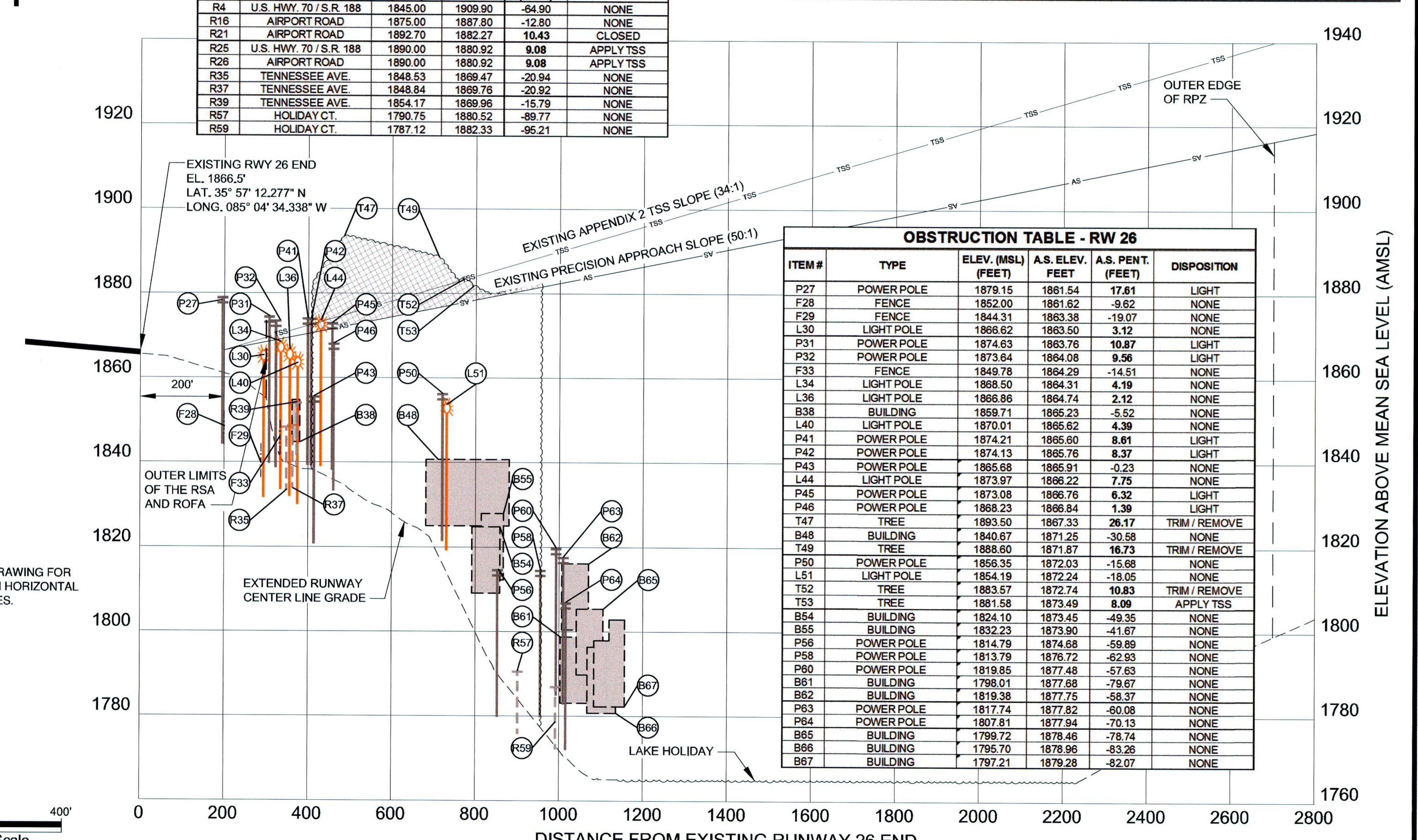
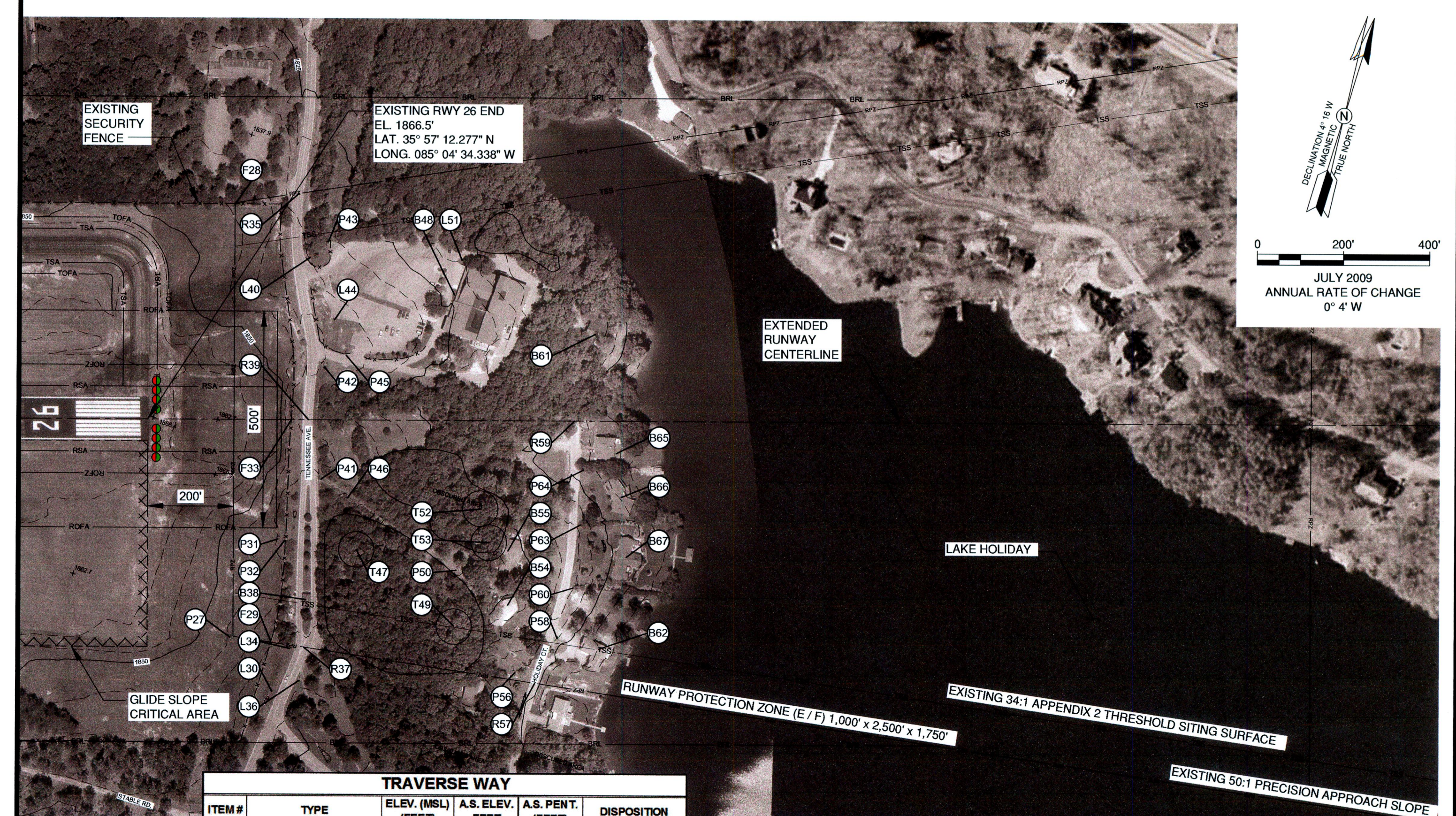
SHEET TITLE

TERMINAL AREA PLAN

 402 BNA Drive, Suite 350
Nashville, TN 37217
TEL: 615.399.0298
FAX: 615.399.0263
www.pbsj.com

JOB NO.: 100002689
DRAWN: OV
DESIGN: OV
CHECKED: JH
DATE: JANUARY 2010

SHEET 3 OF 8



TRAVERSE WAY					
ITEM #	TYPE	ELEV. (MSL) (FEET)	A.S. ELEV. (FEET)	A.S. PENT. (FEET)	DISPOSITION
R4	U.S. HWY. 70 / S.R. 188	1842.00	1800.00	9.08	NONE
R16	AIRPORT ROAD	1875.00	187.80	12.80	NONE
R21	AIRPORT ROAD	1892.70	188.27	10.43	CLOSED
R25	U.S. HWY. 70 / S.R. 188	1890.00	1880.92	9.08	APPLY TSS
R26	AIRPORT ROAD	1890.00	1880.92	9.08	APPLY TSS
R35	TENNESSEE AVE.	1848.53	1809.47	-20.94	NONE
R37	TENNESSEE AVE.	1850.84	1809.76	-20.92	NONE
R39	TENNESSEE AVE.	1851.47	1809.39	-20.79	NONE
R57	HOLIDAY CT.	1790.75	1880.52	-98.77	NONE
R59	HOLIDAY CT.	1787.12	1882.33	-95.21	NONE

ITEM#	TYPE	ELEV. (MSL) (FEET)	A.S. ELEV. (FEET)	A.S. PENT. (FEET)	DISPOSITION
P27	POWER POLE	1879.15	1861.54	17.61	LIGHT
P28	FENCE	1865.00	1861.62	-9.62	NONE
F29	FENCE	1863.30	1863.30	-19.07	NONE
L30	LIGHT POLE	1866.62	1863.50	-3.12	NONE
P31	POWER POLE	1874.63	1863.76	10.87	LIGHT
P32	POWER POLE	1873.64	1864.08	9.56	LIGHT
F33	FENCE	1849.78	1864.29	-14.51	NONE
L34	LIGHT POLE	1868.50	1864.31	4.19	NONE
L35	LIGHT POLE	1866.86	1864.74	2.12	NONE
B36	BUILDING	1869.7	1865.21	-5.52	NONE
L40	LIGHT POLE	1870.01	1866.62	4.39	NONE
P41	POWER POLE	1874.21	1865.60	8.61	LIGHT
P42	POWER POLE	1874.13	1865.76	8.37	LIGHT
P43	POWER POLE	1865.68	1865.91	-0.23	NONE
L44	LIGHT POLE	1873.97	1866.22	7.75	NONE
P45	POWER POLE	1871.63	1866.76	4.82	LIGHT
P46	POWER POLE	1866.23	1866.84	-1.39	LIGHT
B47	TREE	1893.50	1867.33	30.17	TRIM / REMOVE
B48	BUILDING	1840.67	1871.26	-26.58	NONE
P49	TREE	1888.60	1871.67	16.93	TRIM / REMOVE
P50	POWER POLE	1865.35	1872.03	-16.68	NONE
L51	LIGHT POLE	1864.19	1872.24	-18.05	NONE
T52	TREE	1872.74	1872.74	0.00	TRIM / REMOVE
T53	TREE	1881.53	1873.49	-10.83	APPLY TSS
B54	BUILDING	1824.10	1873.45	-49.35	NONE
B55	BUILDING	1832.23	1873.65	-41.67	NONE
P56	POWER POLE	1814.79	1874.68	-59.89	NONE
P57	POWER POLE	1813.79	1874.62	-62.93	NONE
P58	POWER POLE	1877.48	1877.48	-0.03	NONE
B61	BUILDING	1798.01	1877.68	-79.67	NONE
B62	BUILDING	1819.38	1877.75	-58.37	NONE
P63	POWER POLE	1817.74	1877.62	-60.08	NONE
P64	POWER POLE	1807.81	1877.84	-70.13	NONE
B65	BUILDING	1798.70	1878.48	-78.74	NONE
B66	BUILDING	1795.70	1878.96	-83.26	NONE
B67	BUILDING	1797.21	1879.28	-82.07	NONE

REVISIONS	
DATE	DESCRIPTION



PROJECT

AIRPORT LAYOUT PLAN
Crossville Memorial Airport - Whitson Field
Crossville, Tennessee

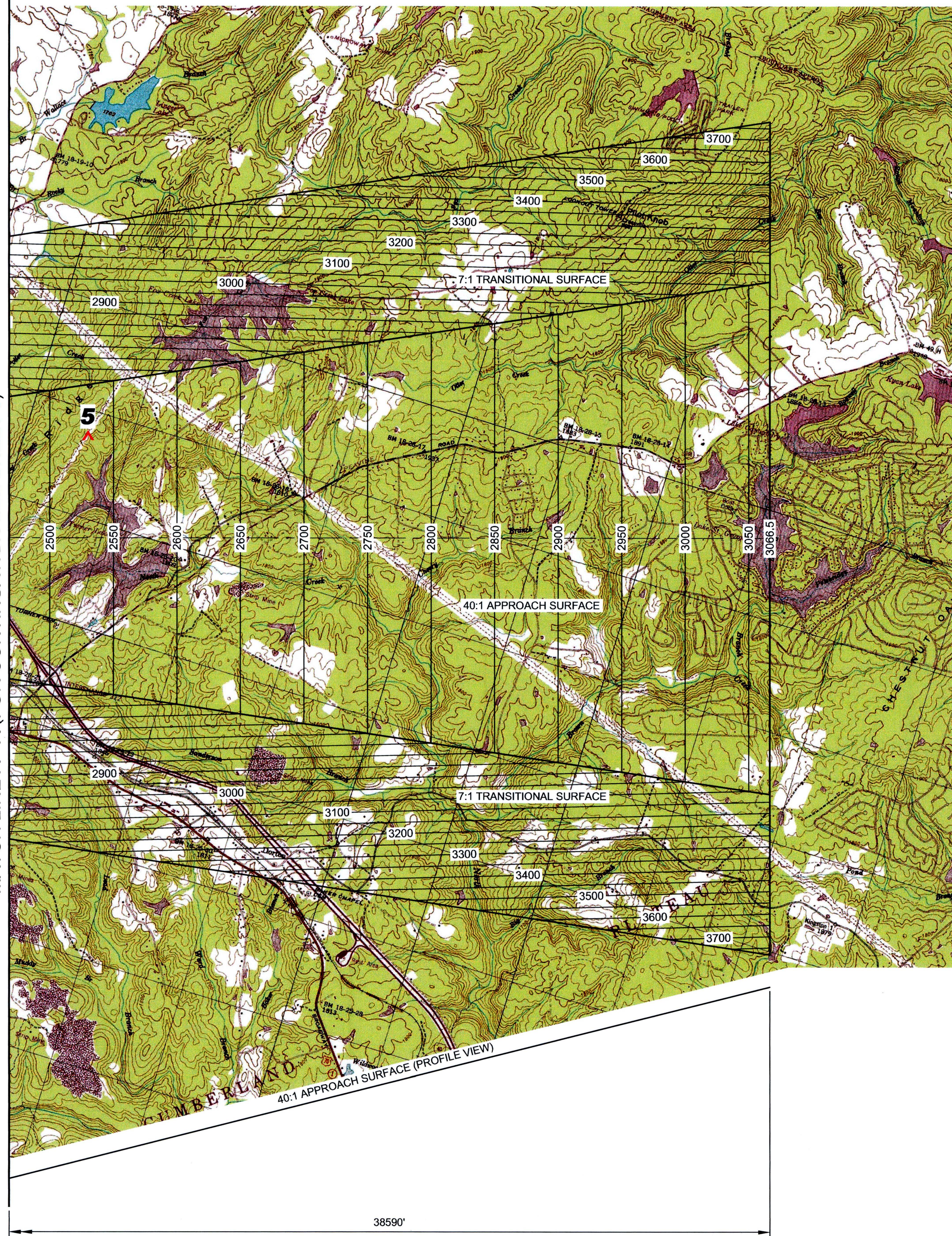
SHEET TITLE

RUNWAY 8-26 APPROACH
PLAN AND PROFILE



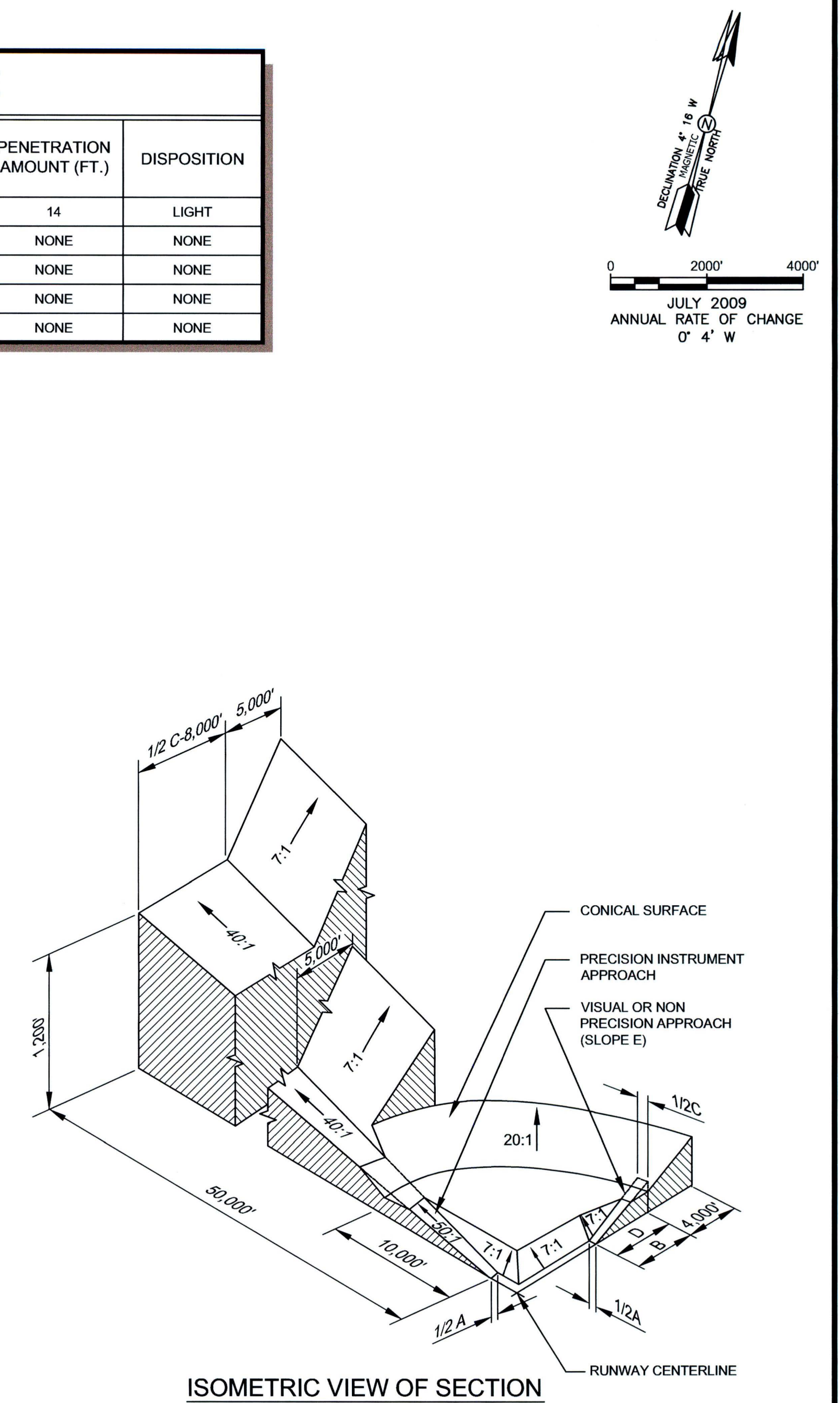
JOB NO.:	100002689
DRAWN:	OV
DESIGN:	OV
CHECKED:	JH
DATE:	JANUARY 2010

SHEET 4 OF 8



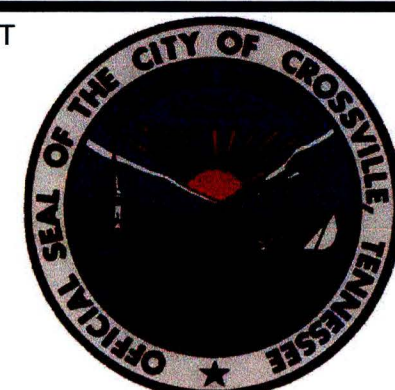
  3	3DAAP OBSTRUCTION MORE THAN 1000 FT AGL. NOAA OBSTRUCTION MORE THAN 1000 FT AGL. OBSTRUCTION IDENTIFICATION NUMBER.
--	---

1. OBJECT LOCATIONS ARE BASED OFF OF THE FAA PUBLISHED INSTRUMENT APPROACH PLATES.
2. ALL ELEVATIONS ARE ABOVE MEAN SEA LEVEL IN FEET.
3. REFER TO AIRPORT LAYOUT DRAWING, APPROACH DRAWING, AND INNER PORTION OF THE APPROACH DRAWING FOR CLOSE-IN OBSTRUCTIONS.



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	3,900	4,000	16,500
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
E - PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

[illegible]

PROJECT
AIRPORT LAYOUT PLAN Crossville Memorial Airport - Whitson Field Crossville, Tennessee

SHEET TITLE



JOB NO.: 100002689
DRAWN: OV
DESIGN: OV
CHECKED: JH
DATE: JANUARY 2010

SHEET 6 OF 8