

AIRPORT LAYOUT PLANS

MARCO ISLAND EXECUTIVE AIRPORT

MARCO ISLAND, FLORIDA

PREPARED FOR:

COLLIER COUNTY AIRPORT AUTHORITY



PREPARED BY:

URS

OCTOBER 2008

FAA PROJECT NUMBER : 3-12-0142-002-2006

FDOT FM NUMBER : 414370 194 04

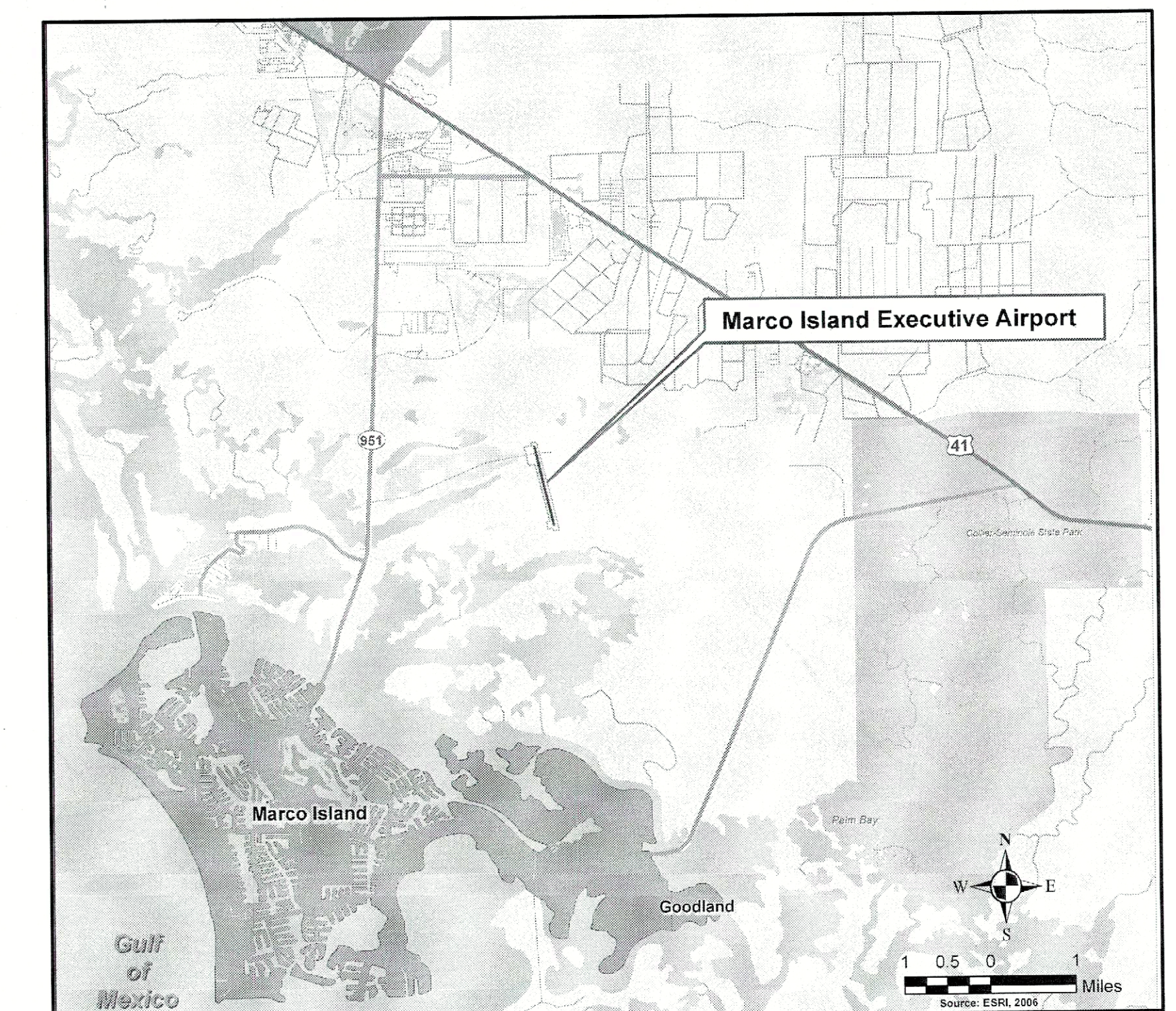
COLLIER COUNTY PROJECT NUMBER : 46024



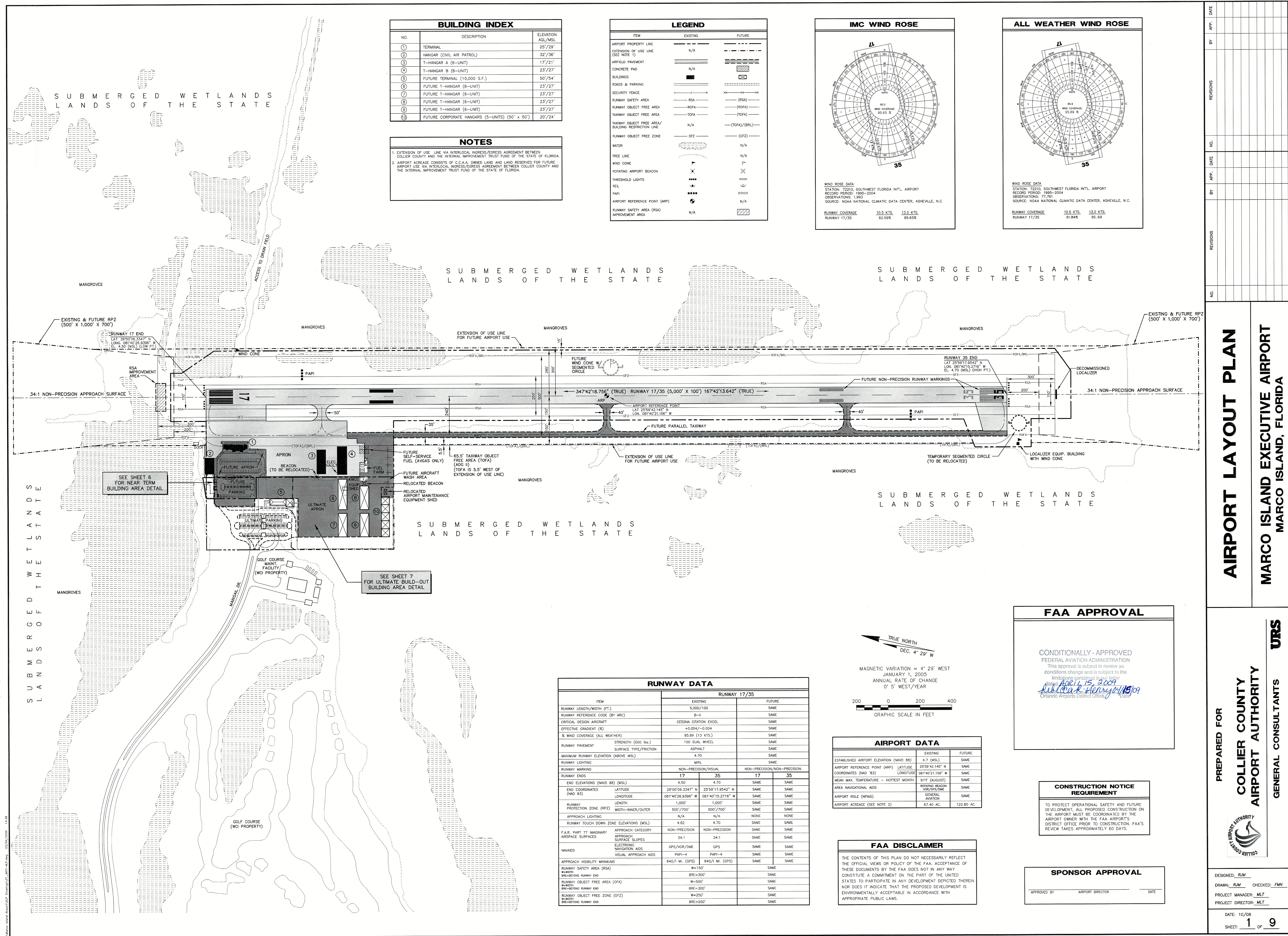
LOCATION MAP

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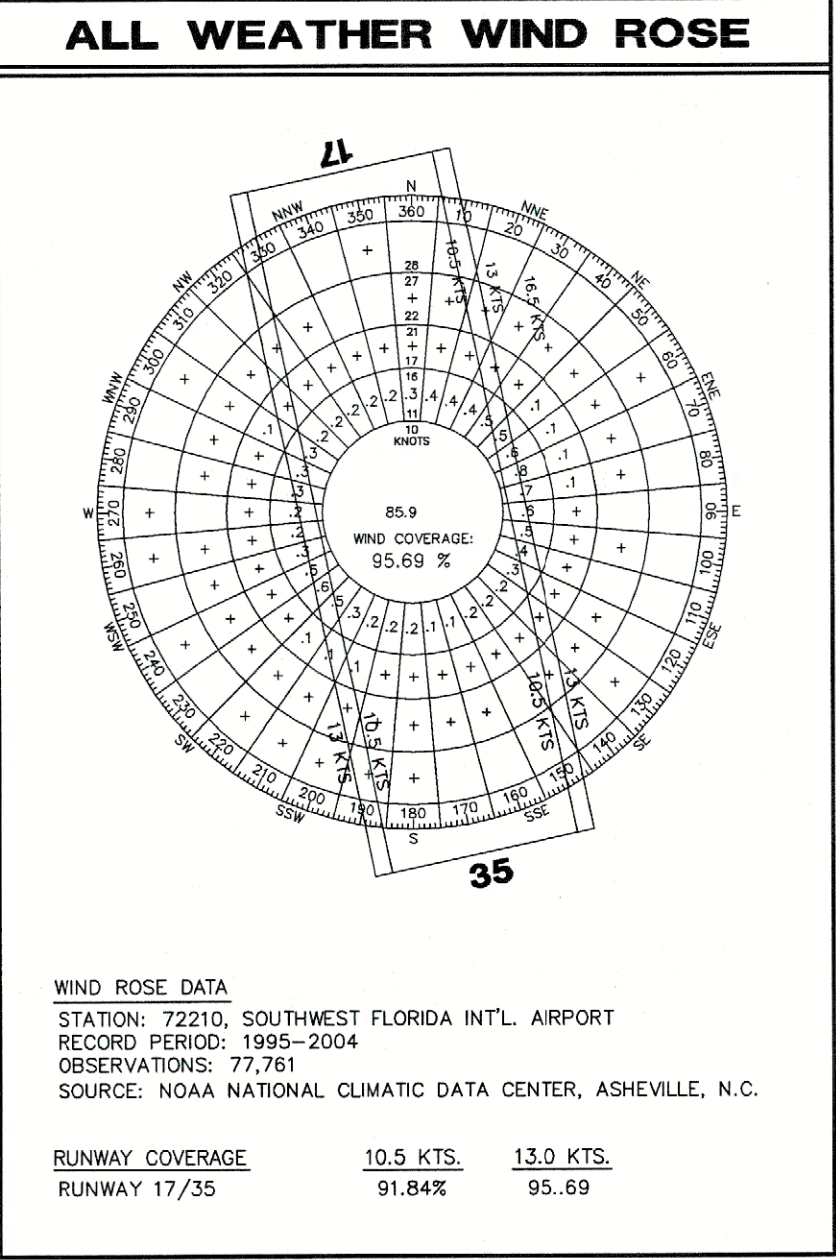
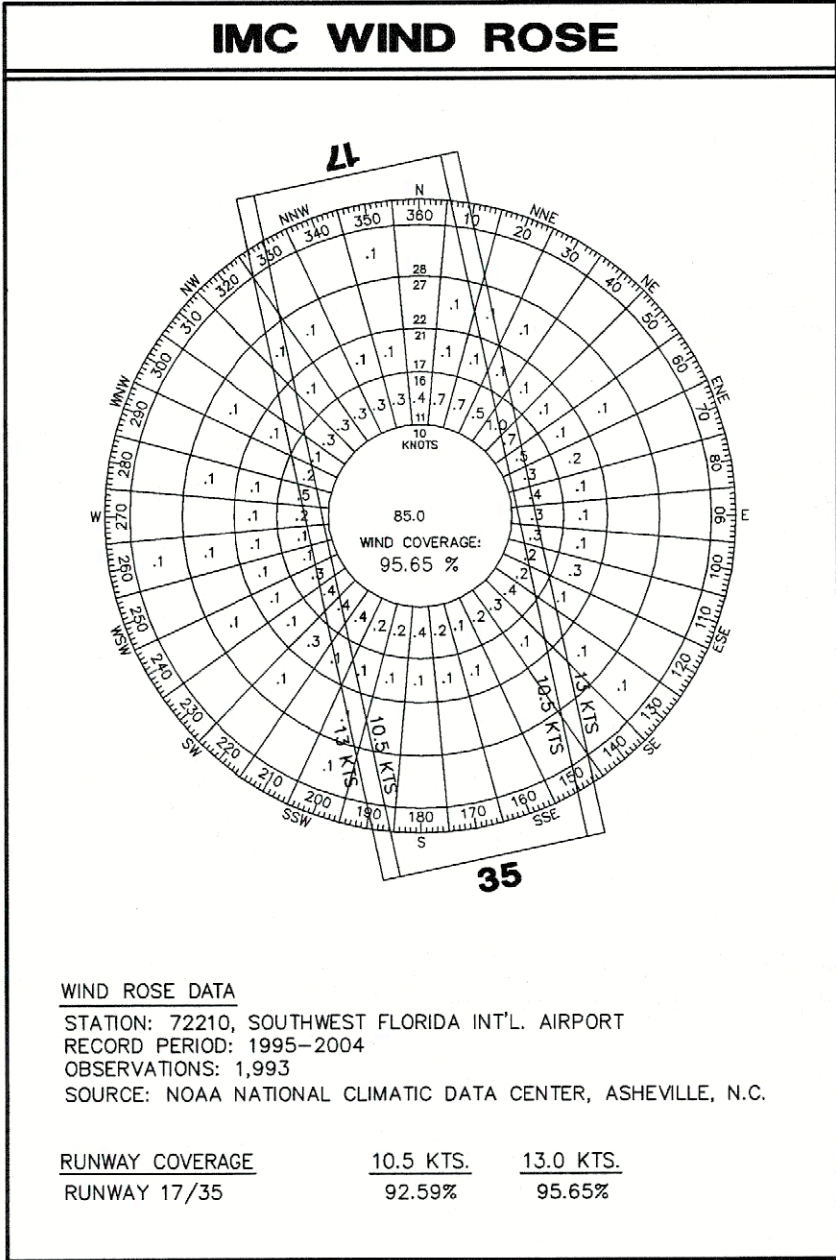
VICINITY MAP



BUILDING INDEX		
NO.	DESCRIPTION	ELEVATION ASL/MSL
①	TERMINAL	25' 23"
②	HANGAR (CIVIL AIR PATROL)	32' 36"
③	T-HANGAR A (6-UNIT)	17' 21"
④	T-HANGAR B (8-UNIT)	23' 27"
⑤	FUTURE TERMINAL (15,000 S.F.)	50' 54"
⑥	FUTURE T-HANGAR (8-UNIT)	23' 27"
⑦	FUTURE T-HANGAR (6-UNIT)	23' 27"
⑧	FUTURE T-HANGAR (6-UNIT)	23' 27"
⑨	FUTURE T-HANGAR (6-UNIT)	23' 27"
⑩	FUTURE CORPORATE HANGARS (5-UNITS) (50' x 50')	20' 24"

NOTES	
1.	EXTENSION OF USE LINE VIA INTERLOCAL INGRESS/EGRESS AGREEMENT BETWEEN COLLIER COUNTY AND THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA.
2.	AIRPORT ACCEASE CONSISTS OF C.C.A.A. OWNED LAND AND LAND RESERVED FOR FUTURE AIRPORT USE, VIA INTERLOCAL INGRESS/EGRESS AGREEMENT BETWEEN COLLIER COUNTY AND THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA.

LEGEND		
ITEM	EXISTING	FUTURE
AIRPORT PROPERTY LINE		
EXTENSION OF USE LINE (SEE NOTE 1)	N/A	
AIRFIELD PAVEMENT		
CONCRETE PAD	N/A	
BUILDINGS		
ROADS & PARKING		
SECURITY FENCE		
RUNWAY SAFETY AREA	RSA	(RSA)
RUNWAY OBJECT FREE AREA	ROFA	(ROFA)
TAXIWAY OBJECT FREE AREA	TOFA	(TOFA)
TAXIWAY OBJECT FREE AREA/ BUILDING RESTRICTION LINE	N/A	(TOFA)/(BRL)
RUNWAY OBJECT FREE ZONE	OFZ	(OFZ)
WATER		N/A
TREE LINE		N/A
WIND CONE		
ROTATING AIRPORT BEACON		
THRESHOLD LIGHTS	####	####
REL		
PAPI	####	####
AIRPORT REFERENCE POINT (ARP)		N/A
RUNWAY SAFETY AREA (RSA) IMPROVEMENT AREA	N/A	



ITEM		RUNWAY DATA			
		EXISTING		17/35	
RUNWAY LENGTH/WIDTH (FT.)		5,000/100		SAME	
RUNWAY REFERENCE CODE (BY ARC)		B-II		SAME	
CRITICAL DESIGN AIRCRAFT		CESSNA CITATION EXCEL		SAME	
EFFECTIVE GRADIENT (%)		+0.004/-0.004		SAME	
% WIND COVERAGE (ALL WEATHER)		95.69 (13 KTS.)		SAME	
RUNWAY PAVEMENT		100 DUAL WHEEL		SAME	
SURFACE TYPE/FRICTION		ASPHALT		SAME	
MAXIMUM RUNWAY ELEVATION (ABOVE MSL)		4.70		SAME	
RUNWAY LIGHTING		MIR		SAME	
RUNWAY MARKING		NON-PRECISION/VISUAL		NON-PRECISION/NON-PRECISION	
RUNWAY ENDS		17 35		17 35	
END ELEVATIONS (NAVD 88) (MSL)		4.50 4.70		SAME SAME	
END COORDINATES (NAD 83)		LATITUDE 26°00'06.3347" N LONGITUDE 081°40'26.9366" W		25°59'17.9542" N 081°40'15.2716" W	
RUNWAY LENGTH		1,000'		SAME SAME	
RUNWAY PROTECTION ZONE (RPZ)		WIDTH=INNER/OUTER 500'/700'		500'/700'	
APPROACH LIGHTING		N/A		NONE NONE	
RUNWAY TOUCH DOWN ZONE ELEVATIONS (MSL)		4.62		SAME SAME	
F.A.R. PART 77 IMAGINARY AIRSPACE SURFACES		APPROACH CATEGORY NON-PRECISION		NON-PRECISION SAME SAME	
		SURFACE SLOPES 34:1		34:1 SAME SAME	
NAVAIDS		ELECTRONIC NAVIGATION AIDS GPS/VOR/DME		GPS SAME SAME	
		VISUAL APPROACH AIDS PAPI-4		PAPI-4 SAME SAME	
APPROACH VISIBILITY MINIMUMS		640/1 MI. (GPS)		640/1 MI. (GPS) SAME SAME	
RUNWAY SAFETY AREA (RSA)		W=150'		SAME SAME	
		BRE=300' RUNWAY END		BRE=300' SAME SAME	
RUNWAY OBJECT FREE AREA (OFA)		W=500'		SAME SAME	
		BRE=300' RUNWAY END		BRE=300' SAME SAME	
RUNWAY OBJECT FREE ZONE (OFZ)		W=250'		SAME SAME	
		BRE=200' RUNWAY END		BRE=200' SAME SAME	

AIRPORT DATA		
	EXISTING	FUTURE
ESTABLISHED AIRPORT ELEVATION (NAVD 88)	4.7 (MSL)	SAME
AIRPORT REFERENCE POINT (ARP)	23°59'42.145" N	SAME
COORDINATES (NAVD '83)	LONGITUDE 081°40'21.106" W	SAME
MEAN MAX. TEMPERATURE - HOTTEST MONTH	91°F (AUGUST)	SAME
AREA NAVIGATIONAL AIDS	ROTATING BEACON VOR/OPS-DE	SAME
AIRPORT ROLE (NPAS)	GENERAL AVIATION	SAME
AIRPORT ACREAGE (SEE NOTE 2)	67.40 AC.	122.80 AC.

FAA DISCLAIMER

THE CONTENTS OF THIS PLAN DO NOT NECESSARILY REFLECT THE OFFICIAL VIEWS OR POLICY OF THE FAA. ACCEPTANCE OF THESE DOCUMENTS BY THE FAA DOES NOT IN ANY WAY CONSTITUTE A COMMITMENT ON THE PART OF THE UNITED STATES TO PARTICIPATE IN ANY DEVELOPMENT DEPICTED THEREIN NOR DOES IT INDICATE THAT THE PROPOSED DEVELOPMENT IS ENVIRONMENTALLY ACCEPTABLE IN ACCORDANCE WITH APPROPRIATE PUBLIC LAWS.

FAA APPROVAL

CONDITIONALLY - APPROVED

FEDERAL AVIATION ADMINISTRATION

This approval is subject to review as conditions change and is subject to the limitations contained in your letter dated April 15, 2008

Sub Capt. Henry 04/15/09

Orlando Airports District Office Date

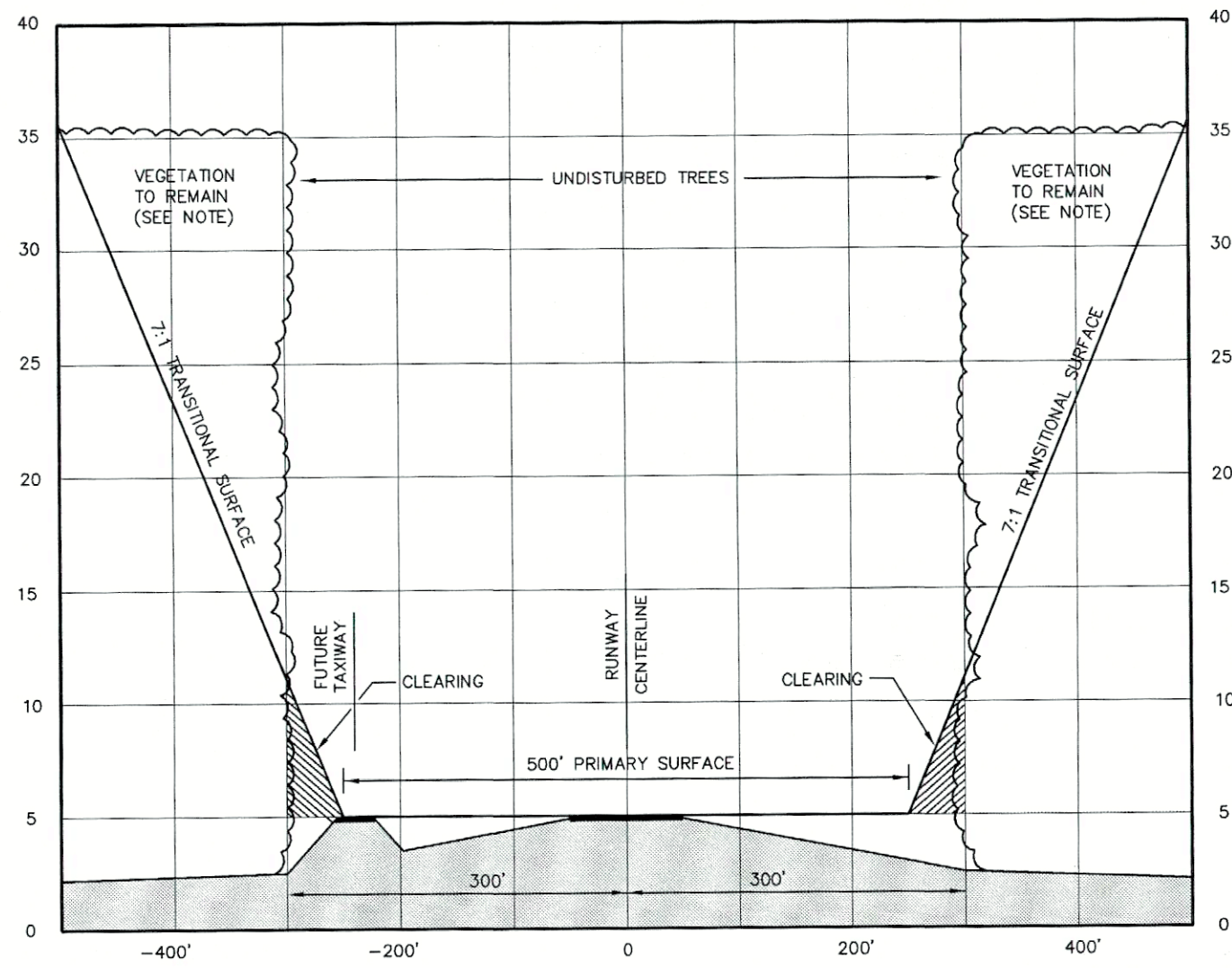
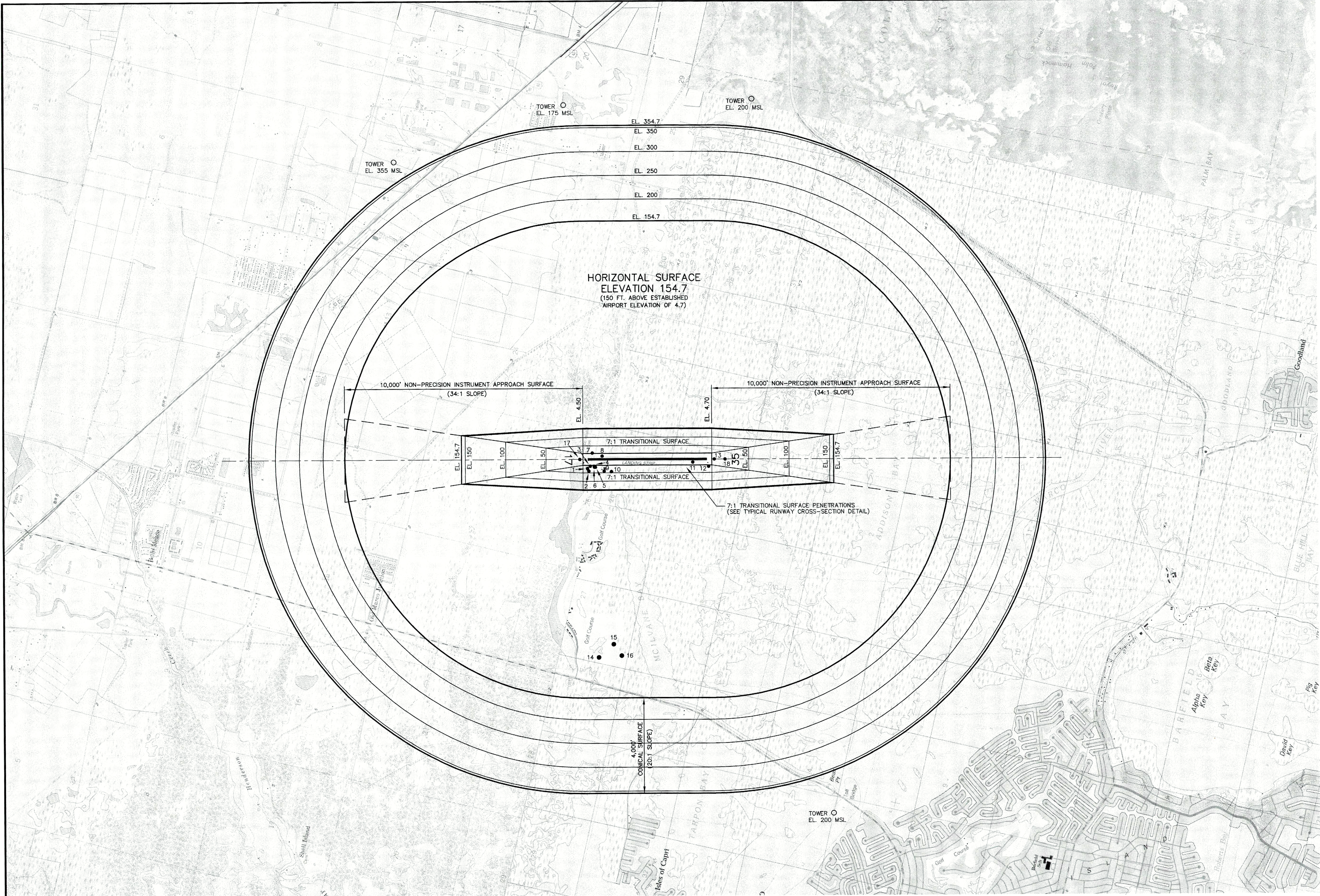
**CONSTRUCTION NOTICE
REQUIREMENT**

TO PROTECT OPERATIONAL SAFETY AND FUTURE DEVELOPMENT, ALL PROPOSED CONSTRUCTION ON THE AIRPORT MUST BE COORDINATED BY THE AIRPORT OWNER WITH THE FAA AIRPORT'S DISTRICT OFFICE PRIOR TO CONSTRUCTION. FAA'S REVIEW TAKES APPROXIMATELY 60 DAYS.

SPONSOR APPROVAL

APPROVED BY _____ AIRPORT DIRECTOR _____ DATE _____

 PREPARED FOR COLLIER COUNTY AIRPORT AUTHORITY GENERAL CONSULTANTS URS	DESIGNED: <u>RJM</u>	DRAWN: <u>RJM</u>	CHECKED: <u>FMN</u>
	PROJECT MANAGER: <u>MLT</u>		
	PROJECT DIRECTOR: <u>MLT</u>		
	DATE: 10/08		
	SHEET: <u>1</u>	OF <u>9</u>	



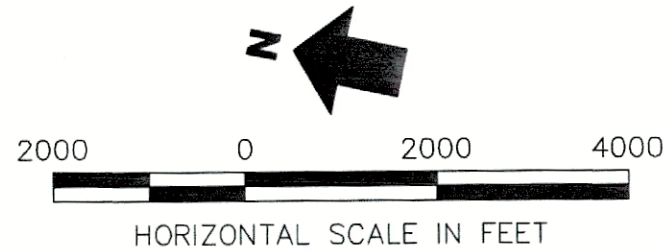
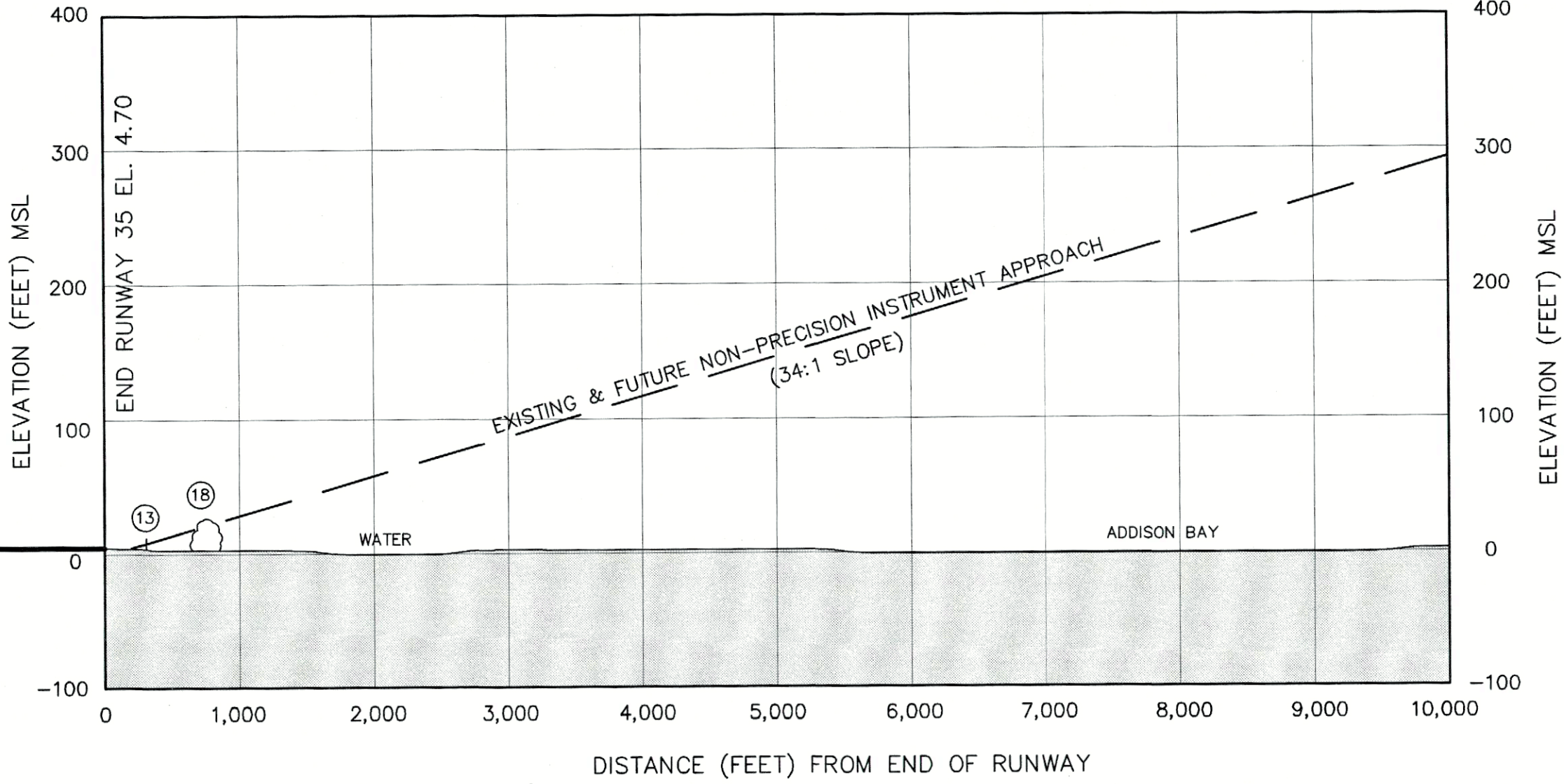
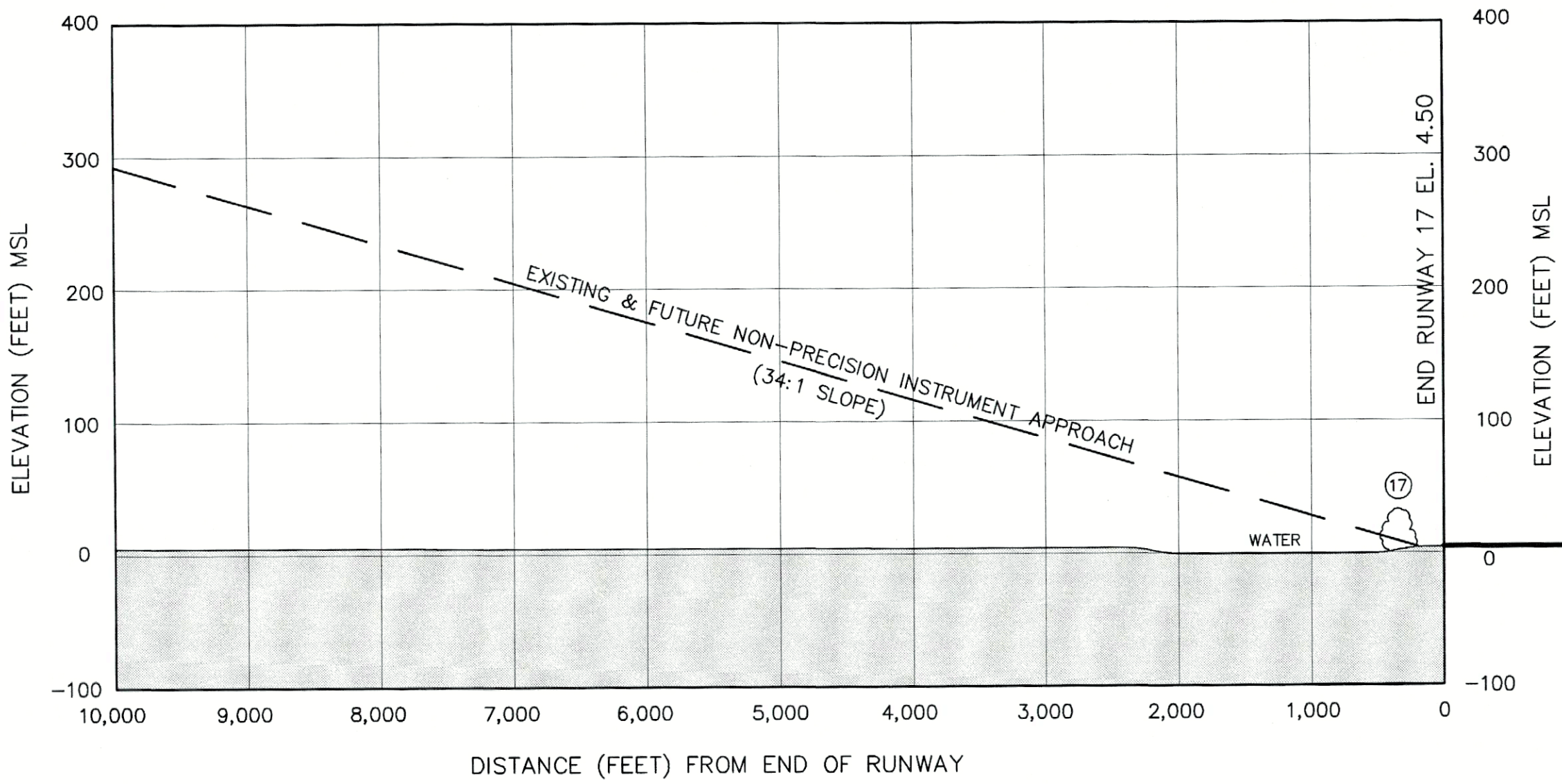
TYPICAL RUNWAY CROSS-SECTION
N.T.S.
SOURCE: FAR PART 77 TRANSITIONAL SURFACE CLEARING PER DEPARTMENT OF THE ARMY PERMIT SA-1597-2362 (P-HMG) DRAWING NO. 99HMA449-12 (SHEET 12 OF 13) 07/22/05
NOTE: 7:1 TRANSITIONAL SURFACES TO REMAIN PENETRATED BY ENVIRONMENTALLY-SENSITIVE VEGETATION (MANGROVE TREES)

OBSTACLE DATA TABLE						
NO.	DESCRIPTION	OBSTACLE ELEVATION (FEET MSL)	LOWEST AFFECTED SURFACE	SURFACE ELEVATION (FEET MSL)	PENETRATION (FEET)	RECOMMENDED ACTION
1	C.A.P. HANGAR ANTENNA	54	7:1 TRANSITIONAL	23.6	30.4	NONE
2	C.A.P. HANGAR ANTENNA	54	7:1 TRANSITIONAL	38.8	15.2	NONE
3	RAMP LIGHT MAST	48	7:1 TRANSITIONAL	10.0	38.0	NONE
4	RAMP LIGHT MAST	48	7:1 TRANSITIONAL	9.8	38.2	NONE
5	RAMP LIGHT MAST	48	7:1 TRANSITIONAL	15.7	32.3	NONE
6	COMMUNICATION/WEATHER TOWER	34	7:1 TRANSITIONAL	15.5	18.5	REMOVE
7	WIND CONE	29	7:1 TRANSITIONAL	7.1	21.9	NONE
8	PAPI	8	PRIMARY	4.5	3.5	FIXED BY FUNCTION
9	AIRPORT BEACON	49	7:1 TRANSITIONAL	40.2	8.8	NONE
10	AWOS	54	7:1 TRANSITIONAL	42.5	11.5	NONE
11	PAPI	8	PRIMARY	4.7	3.3	FIXED BY FUNCTION
12	WIND CONE ON LOC. EQUIP. BLDG.	29	7:1 TRANSITIONAL	12.6	16.4	NONE
13	LOCALIZER OBSTRUCTION LIGHTS	12	RUNWAY 35 APPROACH	7.9	4.1	NONE
14	CONDO BUILDING	252.2	HORIZONTAL	154.7	97.5	NONE
15	CONDO BUILDING	252.2	HORIZONTAL	154.7	97.5	NONE
16	CONDO BUILDING	252.2	HORIZONTAL	154.7	97.5	NONE
17	MANGROVE TREES	32	RUNWAY 17 APPROACH	8.7	23.3	TRIM
18	MANGROVE TREES	26	RUNWAY 35 APPROACH	21.1	4.9	TRIM

NOTE: LISTED CLOSE-IN OBSTACLES HEIGHT ESTIMATED.
SOURCE: 1-13, AIRPORT STAFF
SOURCE: 14-16, 2001 ASD 7927 OBSTACLE EVALUATION STUDY

LEGEND
● DENOTES OBJECT THAT PENETRATES SPECIFIED SURFACE
○ DENOTES SIGNIFICANT OBJECT THAT DOES NOT PENETRATE ANY SURFACES

NOTE:
AIRPORT HEIGHT ZONING - LAND DEVELOPMENT CODE, COLLIER COUNTY, FLORIDA
CODIFIED ORDINANCE No. 07-42 (04-07-07)
CHAPTER 4, SITE DESIGN STANDARDS
4.02.06 - STANDARDS FOR DEVELOPMENT IN AIRPORT ZONES



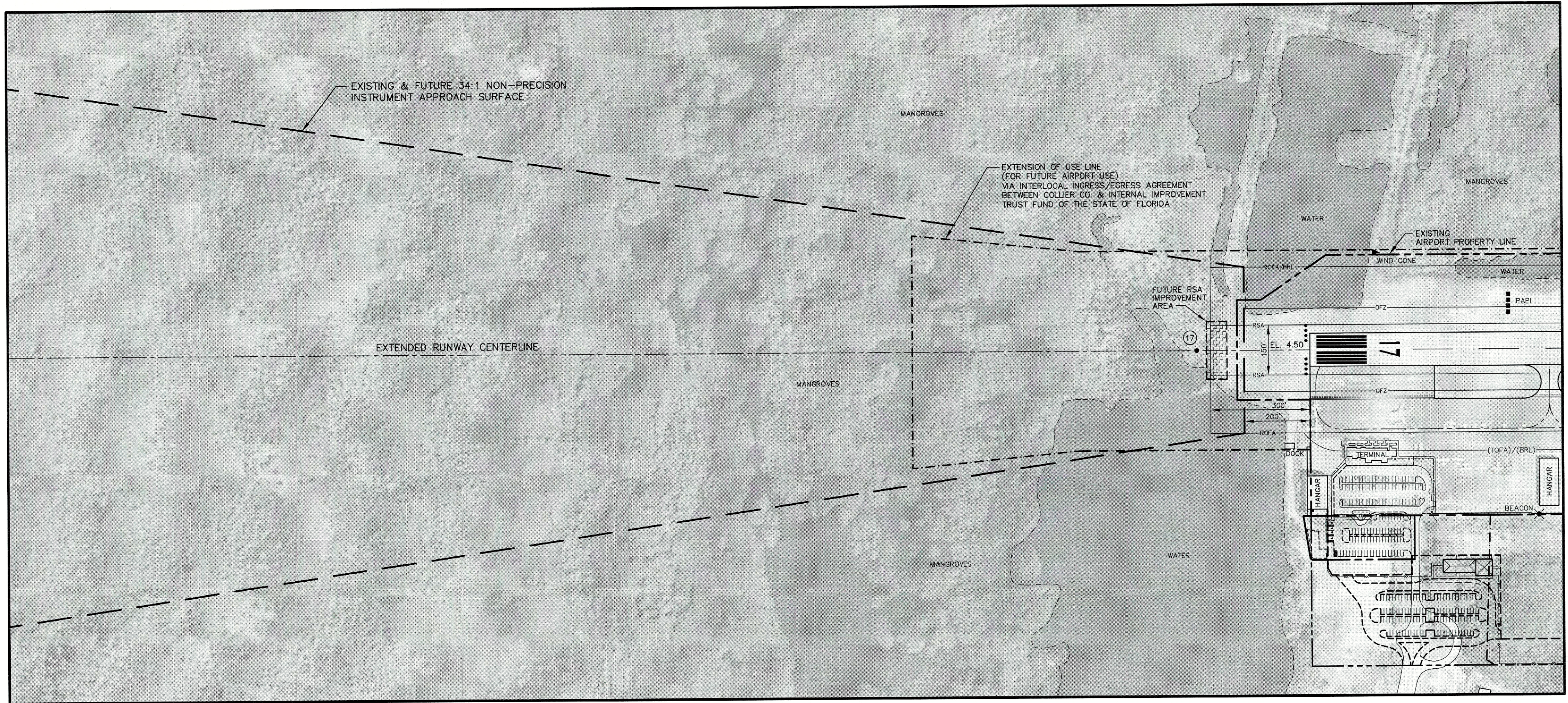
AIRPORT AIRSPACE

MARCO ISLAND EXECUTIVE AIRPORT

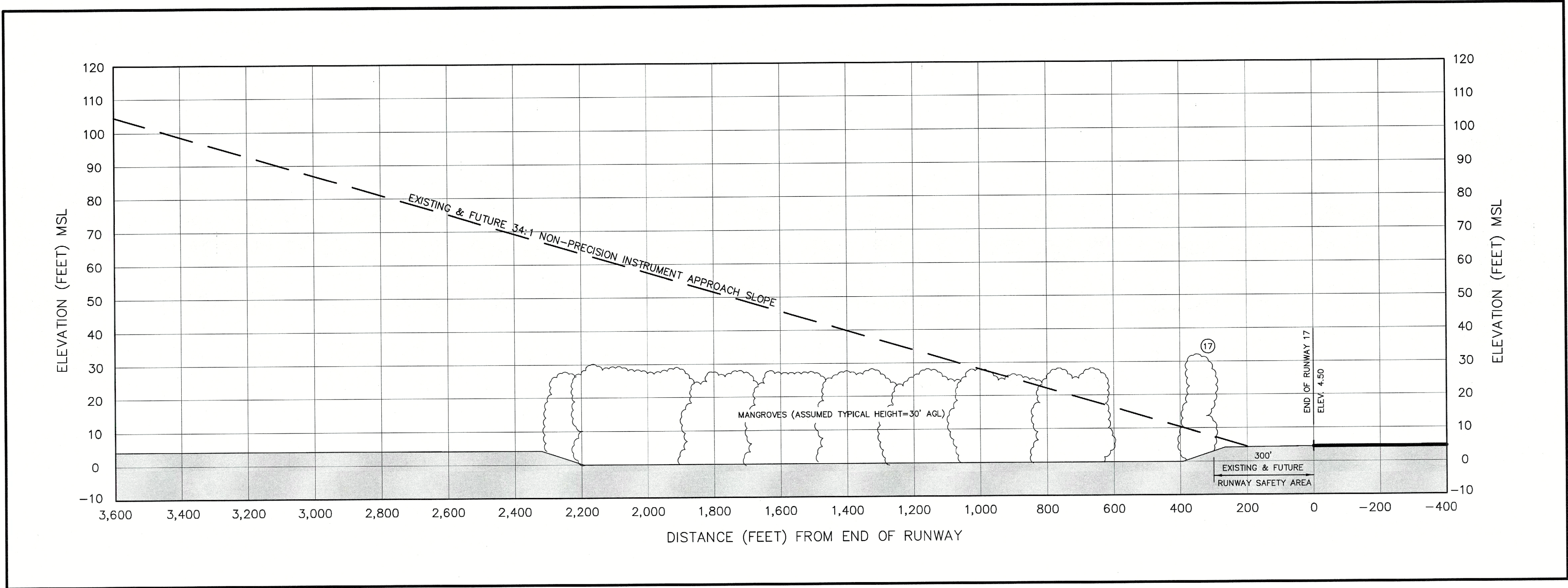
MARCO ISLAND, FLORIDA

PREPARED FOR
COLLIER COUNTY
AIRPORT AUTHORITY
GENERAL CONSULTANTS
URS

DESIGNED: *RJM*
DRAWN: *RJM* CHECKED: *FMN*
PROJECT MANAGER: *MLT*
PROJECT DIRECTOR: *MLT*
DATE: 10/08
SHEET: **2** OF **9**



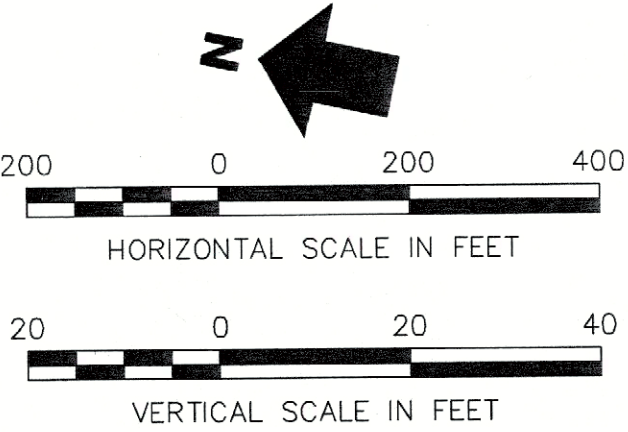
RUNWAY 17 INNER APPROACH SURFACE PLAN VIEW



RUNWAY 17 INNER APPROACH SURFACE PROFILE VIEW

NOTES:
1. ACCURATE TREE LOCATIONS AND TREE ELEVATIONS IN THE APPROACH AND TRANSITIONAL SURFACES ARE UNAVAILABLE. TREE LOCATIONS AND TREE ELEVATIONS THAT AFFECT AIR NAVIGATION NEED TO BE IDENTIFIED.

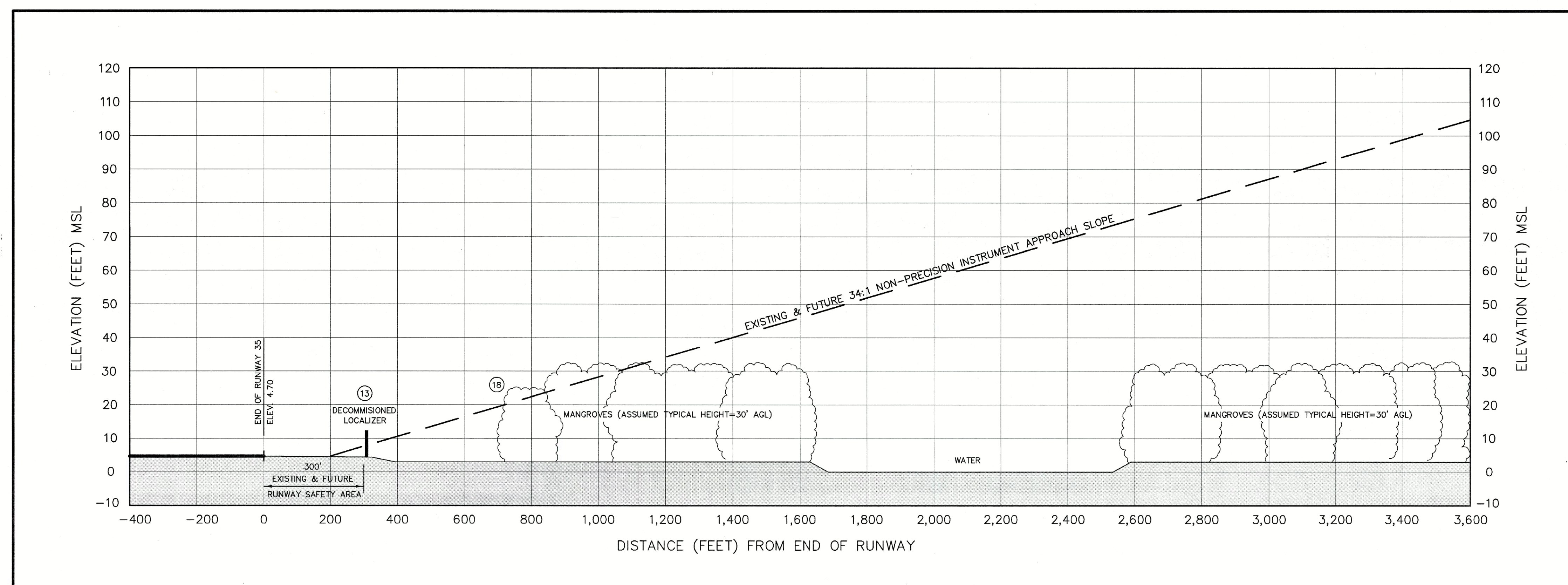
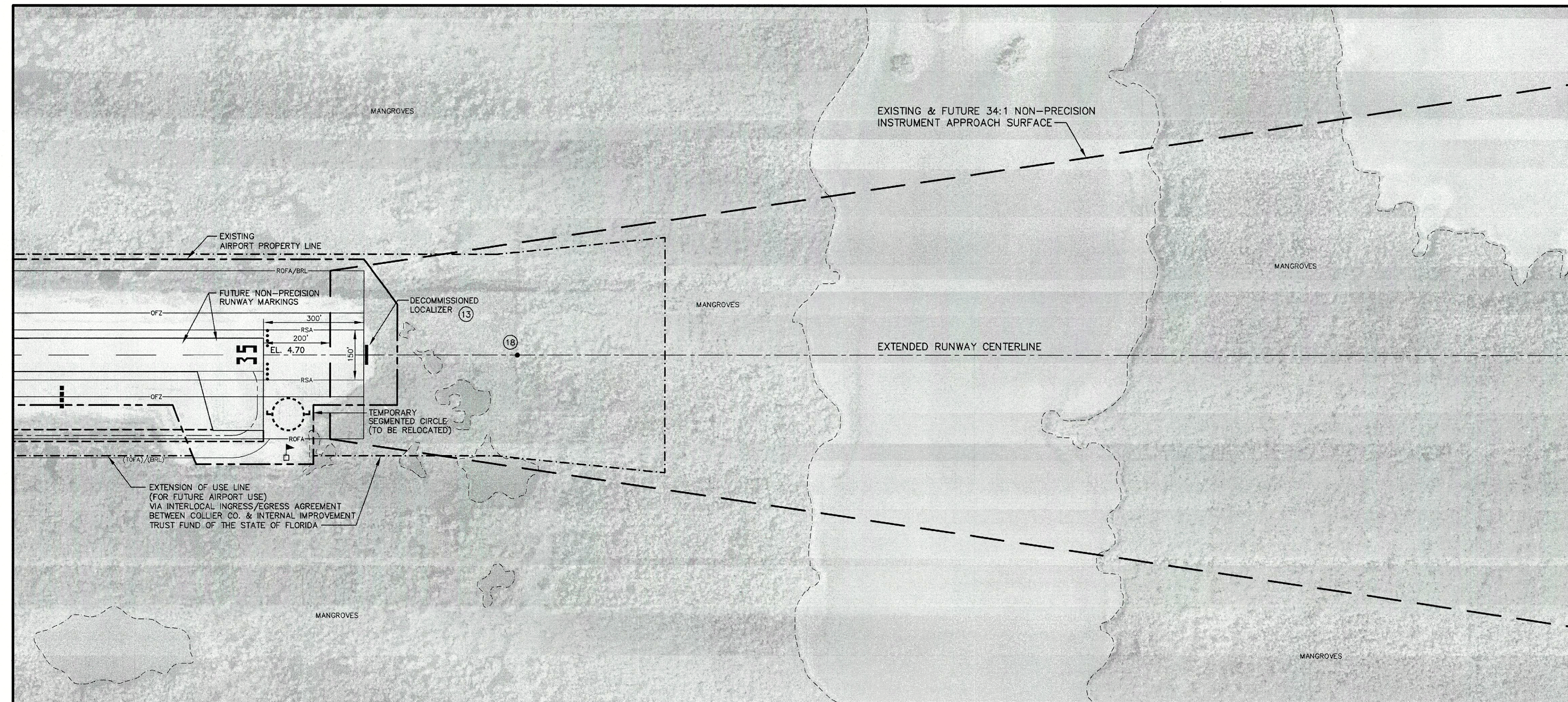
OBSTACLE DATA TABLE							
NO.	DESCRIPTION	OBSTACLE ELEVATION FEET (MSL)	LOWEST AFFECTED SURFACE	SURFACE ELEVATION FEET (MSL)	PENETRATION (FEET)	RECOMMENDED ACTION	LIGHTED
17	MANGROVE TREES	32	RUNWAY 17 APPROACH	8.6	23.4	TRIM	NO



**INNER APPROACH SURFACE
PLAN & PROFILE RUNWAY 17**
MARCO ISLAND EXECUTIVE AIRPORT
MARCO ISLAND, FLORIDA

PREPARED FOR
**COLLIER COUNTY
AIRPORT AUTHORITY**
GENERAL CONSULTANTS
URS

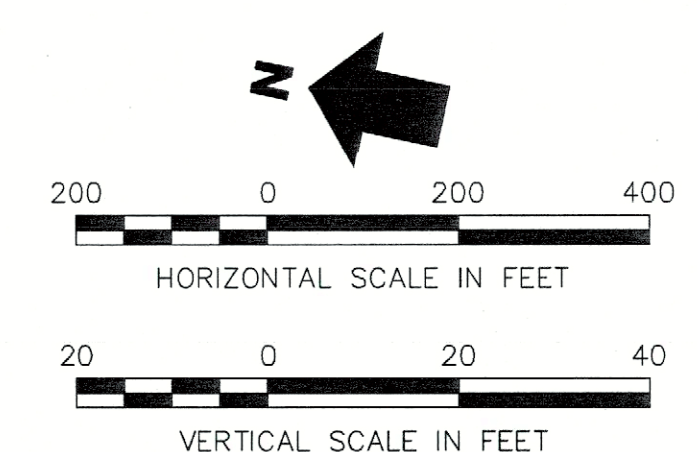
DESIGNED: RJM
DRAWN: RJM CHECKED: FMV
PROJECT MANAGER: MLT
PROJECT DIRECTOR: MLT
DATE: 10/08
SHEET: 3 OF 9



NOTES:

1. ACCURATE TREE LOCATIONS AND TREE ELEVATIONS IN THE APPROACH AND TRANSITIONAL SURFACES ARE UNAVAILABLE. TREE LOCATIONS AND TREE ELEVATIONS THAT AFFECT AIR NAVIGATION NEED TO BE IDENTIFIED.

OBSTACLE DATA TABLE							
NO.	DESCRIPTION	OBSTACLE ELEVATION FEET (MSL)	LOWEST AFFECTED SURFACE	SURFACE ELEVATION FEET (MSL)	PENETRATION (FEET)	RECOMMENDED ACTION	LIGHT
13	LOCALIZER OBSTRUCTION LIGHTS	12	RUNWAY 35 APPROACH	7.9	4.1	NONE	YES
18	MANGROVE TREES	26	RUNWAY 35 APPROACH	21.1	4.9	TRIM	NONE



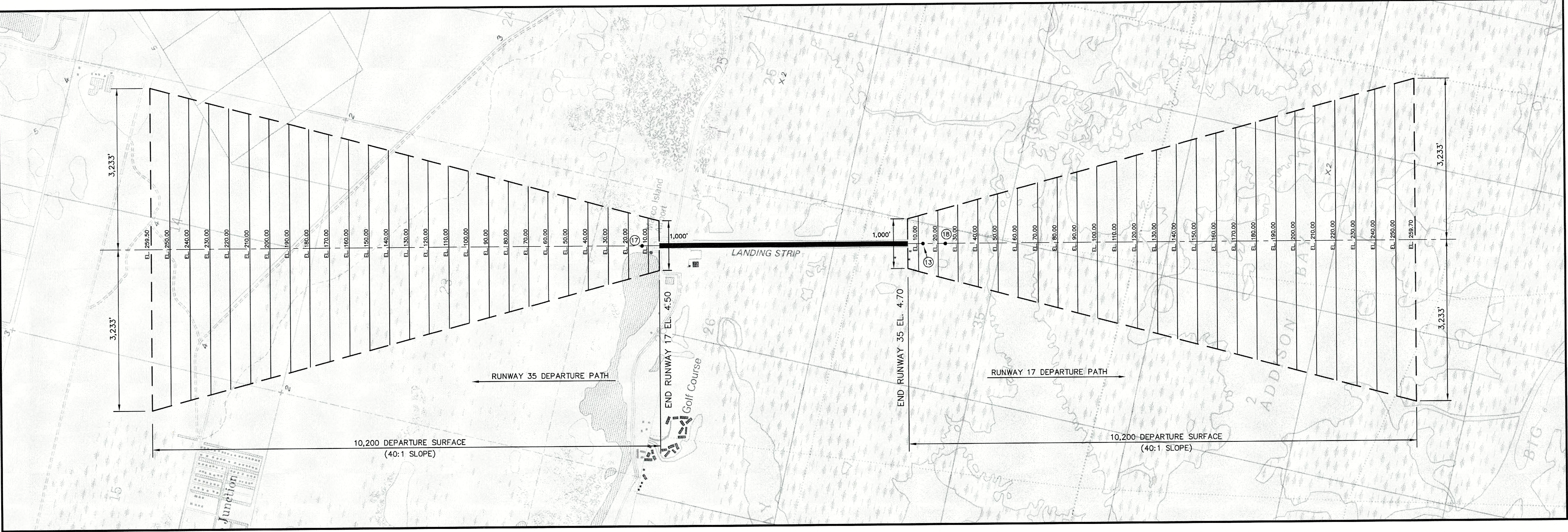
INNER APPROACH SURFACE PLAN & PROFILE RUNWAY 35

MARCO ISLAND EXECUTIVE AIRPORT MARCO ISLAND, FLORIDA

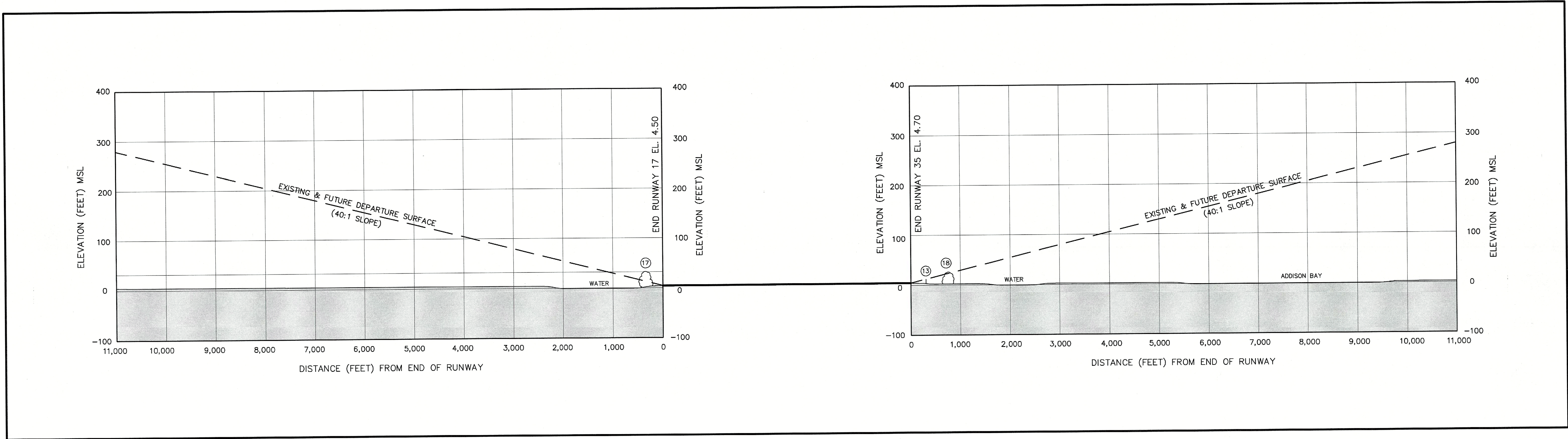
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DESIGNED: RJM
DRAWN: RJM CHECKED: FMN
PROJECT MANAGER: MLT
PROJECT DIRECTOR: MLT
DATE: 10/08
SHEET: **4** OF **9**

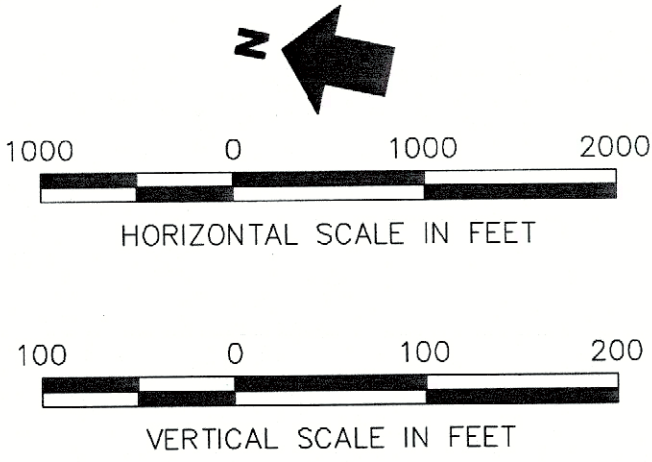


RUNWAY 17/35 DEPARTURE SURFACE PLAN VIEW



RUNWAY 17/35 DEPARTURE SURFACE PROFILE VIEW

OBSTACLE DATA TABLE						
NO.	DESCRIPTION	OBSTACLE ELEVATION FEET (MSL)	LOWEST AFFECTED SURFACE	SURFACE ELEVATION FEET (MSL)	PENETRATION (FEET)	RECOMMENDED ACTION
13	LOCALIZER OBSTRUCTION LIGHTS	12	RUNWAY 17 DEPARTURE	12.4	-0.4	NONE
17	MANGROVE TREES	32	RUNWAY 35 DEPARTURE	13.0	19	TRIM
18	MANGROVE TREES	26	RUNWAY 17 DEPARTURE	23.7	2.3	TRIM



DESIGNED: RUM
DRAWN: RUM
PROJECT MANAGER: MLT
PROJECT DIRECTOR: MLT
DATE: 10/08
SHEET: 5 OF 9

PREPARED FOR
COLLIER COUNTY
AIRPORT AUTHORITY
GENERAL CONSULTANTS
URS

DEPARTURE SURFACES
PLAN & PROFILE RUNWAY 17/35
MARCO ISLAND EXECUTIVE AIRPORT
MARCO ISLAND, FLORIDA

REVISIONS
NO. BY DATE
BY APP. DATE
REVISIONS
NO. BY DATE



BUILDING AREA PLAN (ULTIMATE BUILD-OUT)
MARCO ISLAND EXECUTIVE AIRPORT MARCO ISLAND, FLORIDA

 COLLIER COUNTY AIRPORT AUTHORITY	URS GENERAL CONSULTANTS
PREPARED FOR	
DESIGNED: <u>RJM</u> DRAWN: <u>RJM</u> CHECKED: <u>FJM</u> PROJECT MANAGER: <u>MCT</u> PROJECT DIRECTOR: <u>MCT</u>	
DATE: 10/08 SHEET: <u>7</u> OF <u>9</u>	

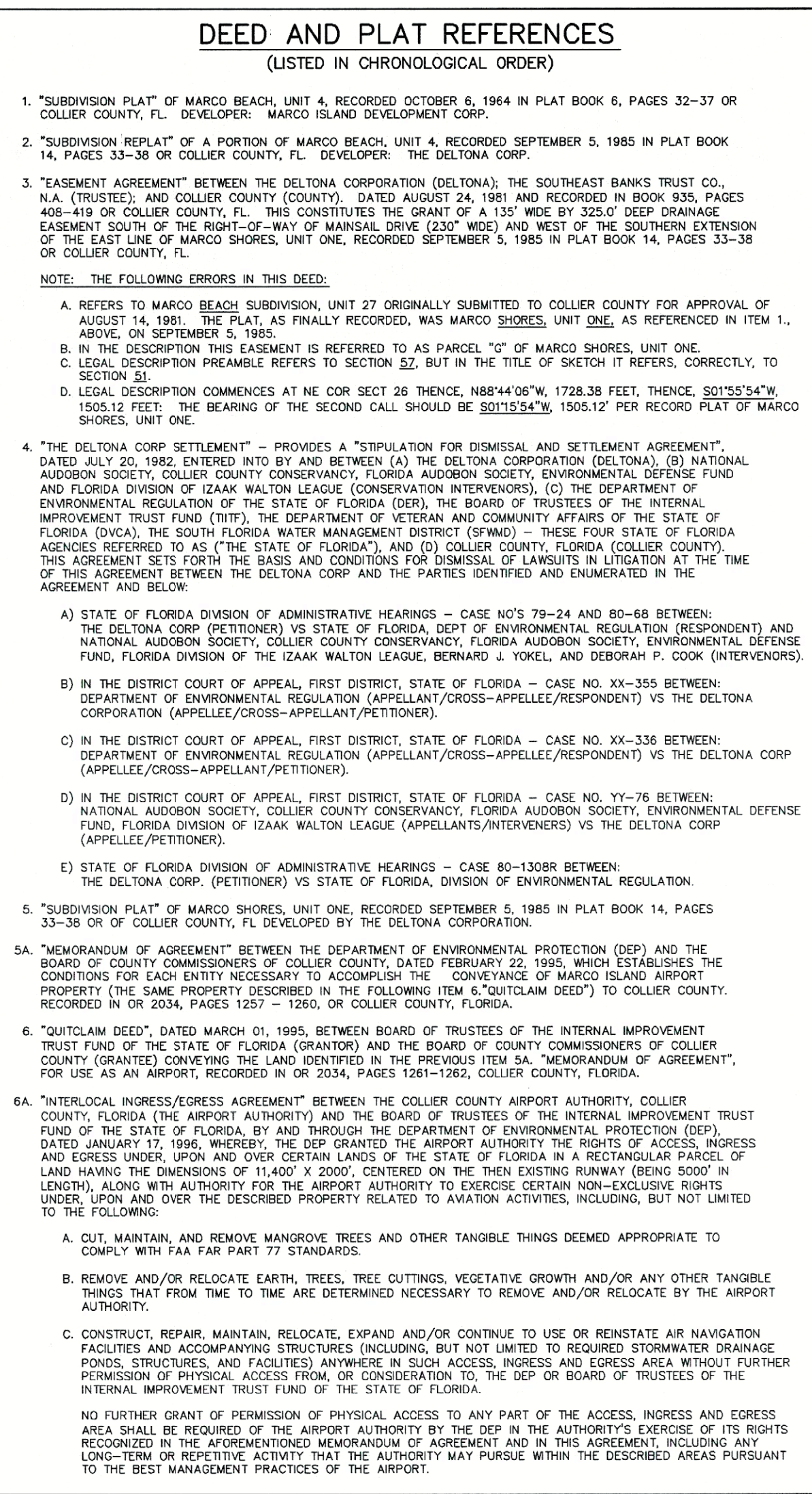
AIRPORT PROPERTY MAP

MARCO ISLAND EXECUTIVE AIRPORT
MARCO ISLAND, FLORIDA

URS



DATE: 10/08
SHEET: 9 OF 9

[illegible]

- ## GENERAL DEVELOPMENT NOTES:
- ISSUES THAT SHOULD BE ACCOMPLISHED PRIOR TO THE AIRPORT'S BUILD-OUT OF THE APPROXIMATE 450' x 1170' TRACT ARE LISTED BELOW AND LYING TO THE WEST OF EXISTING AIRPORT OWNERSHIP:
- A. ABANDONMENT OF THE EXISTING RIGHT-OF-WAY OF MANUSAL DRIVE WITHIN THE LIMITS OF FUTURE AIRPORT DEVELOPMENT.
 - B. PURCHASE OF SMALL TRIANGULAR SHAPED PIECE OF TRACT "C" (W.C.J. PROPERTIES, MARCO SHORES SUBDIVISION) THAT IS INDICATED AS A CONFLICT AREA ON THIS MAP.
 - C. ABANDONMENT OF ANY EXISTING DRAINAGE AND UTILITIES EXEMPTIONS WITHIN THE AFOREMENTIONED 450' x 1170' TRACT. THIS REPORT IS INTENDED TO BE FULLY COMPATIBLE WITH THE PLANNED FUTURE DEVELOPMENT OF THE AIRPORT PROPERTIES AND CONSISTANT WITH ANY LOCAL, STATE AND FEDERAL JURISDICTIONAL AUTHORITY RELATIVE TO THE PROPOSED DRAINAGE AND LOCATIONS OF ANY EXISTING AND PROPOSED UTILITIES.