CLOSE HOLD

NAS CORPUS CHRISTI

JOINT CROSS-SERVICE

CATEGORY:

UNDERGRADUATE PILOT TRAINING

MILITARY VALUE ANALYSIS:
DATA CALL WORK SHEETS

4 April, 1994

The information contained herein is sensitive. Deputy SECDEF guidance restricts the release of data or analysis pertaining to evaluation of military bases for closure or realignment until the SECDEF forwards recommendations to the Base Closure Commission. All individuals handling this information should take steps to protect the material herein from disclosure.

**********If any responses are classified, attach separate classified annex.**********

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PILOT/NFO/NAVIGATOR TRAINING INSTALLATION LISTING:

Title	Location
COLUMBUS	COLUMBUS MS
CORPUS CHRISTI	CORPUS CHRISTI TX
FT RUCKER	FT RUCKER AL
KINGSVILLE	KINGSVILLE TX
LAUGHLIN	DEL RIO TX
MERIDIAN	MERIDIAN MS
PENSACOLA	PENSACOLA FL
RANDOLPH *	UNIVERSAL CITY TX
REESE	LUBBOCK TX
SHEPPARD	WITCHITA FALLS TX
VANCE	ENID OK
WHITING FIELD	MILTON FL

* Includes Enhanced Flight Screening sites at Hondo TX and Air Force Academy CO

Mission Requirements

A. Training Other Than Undergraduate Pilot and NFO/Navigator Training

1. List all ground combat units that train at this installation.

Ground Unit/MTOE	Training Function
CBU 407	Training, shop, Warehouse, Personnel support facilities.

2. List all other units not previously mentioned (active, reserve, guard, etc.) that train at this installation.

Operational Unit/TDA	Training Function
Colombian National Police	Maintenance
Det 2 CO E 106th Avn	Maintenance
70th General Supply Co	Supply
CO F 238 Avn	Maintenance
CO B 2-147th Avn	Maintenance
MS AVCRAD (1108th)	Maintenance
CO F 147th Avn	Maintenance
CA AVCRAD (1106th)	Maintenance and Supply
60th SOAR USARF	Maintenance
F CO 135th Avn	Maintenance
5034th USARF Sch	Maintenance
CO B 5th bR 159th	Maintenance
Det 1 CO F 135th Avn	Maintenance
Det 2 CO D 109th Avn	Maintenance and Supply
CO L 158th AVN	Maintenance
CO F 126th AVN	Maintenance
1st BN 168th Avn	Maintenance
Det 1 403rd Garrison	Maintenance
1109th AVCRAD	Maintenance

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1106th AVCRAD	Maintenance
ASF Little Rock	Maintenance
USAFA Command Fort Sill	Maintenance
DOL 6th JD	Maintenance
HQI Corps Fort Lewis	Maintenance
MO AVCRAD 1105th	Maintenance
5038th USARF Sch	Maintenance
ASH Houston	Maintenance
CO D 137th Avn	Maintenance
HHC 1-13th Avn Rgt	Maintenance
USMR AAOD	Maintenance
MT Sch MTTs Eval Br	Maintenance
Ofc of Def OPNS (Greece)	Maintenance
USDAO (Brazil)	Maintenance
ASF #27	**Maintenance**
USARASF Dallas	**Maintenance**
USNR VOLTRAUNIT 1004	**Administrative and classroom spaces**
USNR LSO Corpus Christi 110	**Administrative and classroom spaces**
USNR MOBASCONTGRP	**Administrative and classroom spaces**
USNR SIMA San Diego 310	**Administrative and classroom spaces**
USNR NH Pensacola 610	**Administrative and classroom spaces**
USNR WPNSTA Concord 1010	**Administrative and classroom spaces**
NMCB 22 Det 0722	**Administrative and classroom spaces**
MIUW 108	**Administrative and classroom spaces**
USMCR Company 'C', 1st Bn, 23rd Marines	**Administrative, shop and classroom spaces**
Marine Safety Office Corpus Christi (USCG)	**Administrative and operational spaces**
Reserve Unit Group Corpus Christi (USCGR)	**Administrative and operational spaces**
Albuquerque Reserve Unit (USCGR)	**Administrative and operational spaces**

302nd Engineer Company	Administrative and classroom and shop spaces
USMRC Mar Div 1/23 Det C	Classroom / Administrative Space

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3. List all requirements the installation or its tenants have to support training of other service components (e.g., ground force training, battle group exercise, etc.)

Forces	Location/ Distance	Type of Support	Frequency
COMINEWARCOM Ships	**10nm NE**	**Command and Control**	**2/yr**
COMINEWARCOM Helicopters	**Onboard**	**Command and Control**	**2/yr**

MISSION REQUIREMENTS (CONT.)

B. Operational Squadron Support

1. List the operational (active or reserve) or special squadrons based at your installation. Include any programmed additions or deletions through FY 1997. (HQ Air Force will provide for Air Force)

2 CNATRA N3

Squadron Name	Aircraft Type(s)	Mission
HM ~~12~~ XX	H-53	Mine Warfare
HM ~~14~~ XX	H-53	Mine Warfare

2. List all other DoD, non-DoD, and other aircraft which are or are programmed (through FY 1997) to be parked or stationed at your installation. (HQ Air Force will provide for Air Force)

~ CNATRA N3

~ CNATRA N3

Service/Agency/ Custodian	Aircraft Type(s)	Mission
U.S. Customs	P3, C550	Drug Traffic Interdiction
U.S. Coast Guard	H65, HU25	Patrol and SAR
U.S. Army	All Army Helos, C-23,	Depot Maintenance
~~TRAWING FOUR~~	~~T-34C, T-44~~	~~Undergraduate Pilot Training~~
NASCORPC	C-12, UH-1	Logistics and SAR
NASCORPC Flying Club	T-34B, C-172, C-152	Recreational Flying

MISSION REQUIREMENTS (CONT.)

B. OPERATIONAL SQUADRON SUPPORT (CONT.)

3. Provide the average daily number of flight operations conducted by NON-TRAINING military aircraft assigned to this station and the total number of days during which these operations were conducted. If data is not normally recorded, include estimates (and identify as such). A flight operation is defined as a takeoff, landing, or approach without a landing.

FY	Main Airfield		Auxiliary Field		Auxiliary Field		Auxiliary Field	
	No. Ops**	No.[1] Days**	No. Ops	No. Days	No. Ops	No. Days	No. Ops	No. Days
1991	12	237	0	0	0	0	0	0
1992	12	237	0	0	0	0	0	0
1993	11	237	0	0	0	0	0	0
1994[2]	7	119	0	0	0	0	0	0

**** This data not recorded. Estimates are based on number of sorties flown by station C-12, UH-1, and CNATRA A-4.**

4. List deployable aviation support units (e.g., Command & Control, Expeditionary Base Support, and Air Defense) stationed at this installation. For each type unit, give the number assigned, its mission and primary equipment items (e.g., radars, trucks, etc.).

Type of Unit	Number of Units	Mission	Equipment Items
None			

Include only days when the installation operates at normal training levels (Do not include weekends and holidays if the training rate is at minimal levels).

Include FY 1994 data through 31 March 1994.

MISSION REQUIREMENTS (CONT.)

C. Managed Training Areas

1. List the air-to-ground training ranges, outlying airfields, auxiliary airfields, special use airspace and areas for special use that are actively managed (scheduled or controlled) by the installation.

Managed Training Assets	Management Role
Waldron NALF	**Controlled** / Scheduled
Cabaniss NALF	**Controlled** / Scheduled
A632B/F	**Scheduled**
W228A/B/C/D	**Scheduled/Controlled**
Aransas County	**Scheduled**

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2. List other candidate installations (DoD and non-DoD) that could be considered for performing these management duties.

Asset	Installation	Reason for Consideration
W228	**NAS Kingsville**	**Have already established radar approach facility and local area that could assume NASCORPC's role.**
A632B/F	**NAS Kingsville**	**Have already established radar approach facility and local area that could assume NASCORPC's role.**
Waldron NALF	**NAS Kingsville**	**DON Aviation Command**
Cabaniss NALF	**NAS Kingsville**	**DON Aviation Command**

MISSION REQUIREMENTS (CONT.)

D. General Military Support

1. Does this installation currently support any joint services (i.e., counter-narcotics) air operations? If so, explain.

Yes, U.S. Customs and U.S. Coast Guard deploy from this air station on counterdrug surveillance and intercept missions, additionally JTF6 Law Enforcement Detachments operate from NASCORPC.

a. If applicable, give the type and number of aircraft based at your installation that conduct these operations and the total number of sorties flown during FY 1993 in support of these operations.

Aircraft Type	Number of Aircraft	# Sorties Flown in FY 1993
P3	**8**	**1128**
H-65	**3**	**1242**
HU-25	**3**	**1020**
JTF6 operates various fixed and rotary wing aircraft	**Unknown**	**Unknown**

b. If applicable, list special equipment and facility (e.g., radar surveillance systems) at your installation that directly support these operations.

Equipment/Facility	Function
ASR 8 Surveillance	**60nm Primary 200nm Secondary**

2. Does this installation have a role in national air defense or any other war or peace time defense plans? If so, explain. **In addition to question E.1., the air station is covered under the "Open Skies" treaty. Under "SCATANA" a plan exists to deactivate NAVAIDS.**

MISSION REQUIREMENTS (CONT.)

D. GENERAL MILITARY SUPPORT (CONT.)

3. Does this installation directly support a military or civilian area control and surveillance mission (e.g., FACSFAC, FAA support)? If so, provide details.

a. U.S. Coast Guard Group
b. U.S. Customs Service
c. Assistant Under Secretary of the Navy for Special Projects

4. Describe the role this installation plays in any logistics support and mobilization plan.

CNATRA, as the Navy Regional Planning Agent for National Security Emergency Preparedness within an eight state area, has the responsibility for contingency plans supporting CINCLANTFLT and USINC ACOM LSMP. Reserve personnel identified for mobilization in support of NASCORPC, TW4 and CNATRA are listed on their manning documents under "Mobilization" M0, M+1, M+2.

5. List any other military support missions currently conducted at/from this installation (e.g., port of embarkation for personnel, other active duty/reserve personnel or logistics transfer missions).

NAS New Orleans Reserve Aircraft make bi-monthly personnel transfer missions to NASCORPC for weekend drill movements.

6. Are any new military missions planned for this installation?

Yes, Mine Warfare Center of Excellence, coordinating air and surface training and operations. Two HM squadrons are planned for 1997.

E. Other Support

1. Does the installation have a role in a disaster assistance plan, search and rescue, or local evacuation plan? If so, describe.

Yes, Navy and Coast Guard SAR for South Texas and Gulf of Mexico is conducted from NASCORPC. NASCORPC's SAR Helos provide SAR support for the entire South Texas training complex.
Base Disaster Assistance and Evacuation Plan are fully coordinated with city of Corpus Christi. Additionally, the Chief of Naval Air Training (CNATRA) is the Navy Regional Planning Agent (RPA) for an eight state area under CINCLANTFLT and USACOM. This is a Joint Forces Contingency Plans Program with classified missions.
-References
Presidential Executive Order 12656
DODD 3025.1
OPNAVINST 3440.16
CINCLANTFLTINST 3440.1
-Geographic Area of Responsibility (8 states)
Texas, New Mexico, Oklahoma, Louisiana, Arkansas, Missouri, Kansas, Nebraska
- Contingency Plans
Joint Key Assets Protection Plans
Joint Strategic Capabilities Plan
Military Support to Civil Defense Plan
Military Support to Civil Authority Plan
Command, Control, Communication and Information
Military Mobilization Plan
Medical Mobilization Plan
Civil Disturbance Plan "Garden Plot"
Postal Augmentation Plan "Graphic Hand"
The Federal Emergency Plan

2. Does the installation provide any direct meteorological support to local civilian, governmental or military agencies? If so, describe.

Yes, NAVTRAMETOC Det provides weather support to TW4, U.S. Coast Guard, Corpus Christi Army Depot, U.S. Customs, other tenant commands, Naval Station Ingleside, and acts as subregional forecast center for Naval Air Stations Dallas and Kingsville during night and weekend hours.

3. Are any new civilian or other non-DoD missions planned for this installation? If so, describe.

None known.

MISSION REQUIREMENTS (CONT.)

R

F. Weather

1. What percentage of the time (on average, by month), does the local weather affect training operations and restrict airfield sortie rates. Use the following chart and add any further descriptions on how weather generally impacts airfield and training operations (recurring wind or fog conditions, etc.).

AIRFIELD: **NAS CORPUS CHRISTI**

Month	% of Hours[3] VMC	% of Hours IMC	% of Hours Below 500 ft Ceilings and 1.0 Mile Visibility	% of All Sorties Rescheduled/Canceled Due to Weather
Jan.	**75**	**25**	**14.1**	**26.0%**
Feb.	**79**	**21**	**11.7**	**28.1%**
Mar.	**80**	**20**	**11.6**	**25.9%**
Apr.	**77**	**23**	**7.4**	**25.4%**
May	**88**	**12**	**1.2**	**17.7%**
June	**98**	**2**	**.2**	**15.4%**
July	**99**	**1**	**<.1**	**.9%**
Aug.	**99**	**1**	**.3**	**4.1%**
Sept.	**97**	**3**	**.5**	**5.5%**
Oct.	**96**	**4**	**.9**	**11.3%**
Nov.	**90**	**10**	**3.9**	**20.8%**
Dec.	**83**	**17**	**8.7**	**12.2%**

R

2. Give the official planning factor for percent of sorties lost due to weather (based on historic data).
T-34 18%
T-44 9%

3. Do the normal weather conditions at the most frequently used training areas pose a chronic problem for scheduling training sorties? If so, are alternate training areas used? Does the use of alternate training facilities involve relocating aircraft and support personnel to other installations during certain times of the year?
Normal weather conditions do not pose a chronic problem for scheduling training sorties.

Percentage of total normal operating hours that specified weather conditions were observed (include list of normal operating hours used for this calculation).

MISSION REQUIREMENTS (CONT.)

F. Weather

1. What percentage of the time (on average, by month), does the local weather affect training operations and restrict airfield sortie rates. Use the following chart and add any further descriptions on how weather generally impacts airfield and training operations (recurring wind or fog conditions, etc.).

AIRFIELD: NAS CORPUS CHRISTI

Month	% of Hours[3] VMC	% of Hours IMC	% of Hours Below 500 ft Ceilings and 1.0 Mile Visibility	% of All Sorties Rescheduled/Canceled Due to Weather	
Jan.	75	25	14.1	43.5%*	14.3%**
Feb.	79	21	11.7	38.2%*	13.4%**
Mar.	80	20	11.6	33.7%*	13.5%**
Apr.	77	23	7.4	33.9%*	12.5%**
May	88	12	1.2	19.7%*	13.8%**
June	98	2	.2	18.2%*	9.1%**
July	99	1	<.1	1.2%*	.3%**
Aug.	99	1	.3	4.6%*	3.1%**
Sept.	97	3	.5	7.2%*	.9%**
Oct.	96	4	.9	3.6%*	.2%**
Nov.	90	10	3.9	21.5%*	11.1%**
Dec.	83	17	8.7	40.9%*	13.3%**

* T-34 losses
** T-44 losses

Normal Operating Hrs 0700 - 2400 SH CWET HERTEL N4433J 5/11/94

2. Give the official planning factor for percent of sorties lost due to weather (based on historic data).
T-34 18%
T-44 9%

3. Do the normal weather conditions at the most frequently used training areas pose a chronic problem for scheduling training sorties? If so, are alternate training areas used? Does the use of alternate training facilities involve relocating aircraft and support personnel to other installations during certain times of the year?
Normal weather conditions do not pose a chronic problem for scheduling training sorties.

Percentage of total normal operating hours that specified weather conditions were observed (include list of normal operating hours used for this calculation).

R

Facilities

A. Air Space and Flight Training Areas

1. Is mission/training impacted by training area airspace encroachment or other conflict? For example, noise abatement/traffic procedures that limit operations. Explain. **No.**

2. Do the MOAs/bombing ranges/other training areas have any scheduling restrictions/limitations? **No.**

   a. If scheduling problems are encountered, list all reasons.

3. Do you expect more restrictions/limitations to be imposed on the MOAs/bombing ranges/other training areas used by your unit? (Yes or No) **No.**

   a. If yes, state all reasons.

4. Are there any significant changes/restrictions/limitations being worked that will affect the scheduling of low level routes used by your unit? (Yes or No)
No low level routes currently utilized by TW-4.

   a. If yes, list all changes.

5. Excluding airport traffic area, what airspace does the installation schedule/manage? Include any military operating areas, restricted areas, warning areas, low altitude tactical navigation areas, air refueling tracks/anchors, military training routes, and alert areas. List and identify each unit of airspace. Provide MOA and restricted area utilization reports as necessary.

W228 A/B/C/D Scheduled R
A632 B/F Scheduled

6. If installation does not schedule/manage any airspace, then identify airspace used for local training.
A632 C/D is used on a limited basis by TW-4, but is scheduled by Kingsville.

Facilities

A. Air Space and Flight Training Areas

1. Is mission/training impacted by training area airspace encroachment or other conflict? For example, noise abatement/traffic procedures that limit operations. Explain. **No.**

2. Do the MOAs/bombing ranges/other training areas have any scheduling restrictions/limitations? **No.**

   a. If scheduling problems are encountered, list all reasons.

3. Do you expect more restrictions/limitations to be imposed on the MOAs/bombing ranges/other training areas used by your unit? (Yes or No) **No.**

   a. If yes, state all reasons.

4. Are there any significant changes/restrictions/limitations being worked that will affect the scheduling of low level routes used by your unit? (Yes or No)
No low level routes currently utilized by TW-4.

   a. If yes, list all changes.

5. Excluding airport traffic area, what airspace does the installation schedule/manage? Include any military operating areas, restricted areas, warning areas, low altitude tactical navigation areas, air refueling tracks/anchors, military training routes, and alert areas. List and identify each unit of airspace. Provide MOA and restricted area utilization reports as necessary.

W228 A/B/C/D Controlled/Scheduled
A632 B/F Scheduled

6. If installation does not schedule/manage any airspace, then identify airspace used for local training.
A632 C/D is used on a limited basis by TW-4, but is controlled by Kingsville.

FACILITIES (CONT.)

R

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

7. For each piece of airspace, that your installation controls or manages, answer the following questions:
W-228 A/B/C/D
   a. Has an environmental analysis (EA, EIS, etc.) been conducted on each airspace? (Yes or No) **No**
      - What is the status of each environmental analysis and supplement?**N/A**
      - Were there any problems associated with the analysis?**N/A**
      - Does the current "Description of Proposed Actions/Alternatives" (DOPAA) define your operations, and if it does, was it used for the latest environmental analysis and supersonic waiver if required? Explain any lack of reports.**N/A**
   b. Are there known noise sensitive areas (NSAs) associated with each piece of airspace? (Yes/No) **No**
      - List those documented in Flight Information Publication (FLIP) and those you have concerns about. **None**
      - Do any of these NSAs affect or threaten the quality of training or mission? **No**
   c. Are there any known civilian/commercial encroachments with each piece of airspace? **No.**
      - List those for ground or airspace encroachment. (i.e., Public-use airports, parachute operations, gliders, etc. **None**
   d. Are there any planned expansions to your special use airspace? **No.**
      - Explain proposal and give status (to include community reactions) **N/A**
      - What was the primary rationale supporting expansion? **N/A**
   e. What type of restrictions exist with each airspace? (i.e., hours of operation, subsonic, altitude restrictions, exercise only, ATC delays, etc.) **There are no restrictions to this airspace.**
   R f. What is the published availability of each airspace? **Continuous**
      - How many hours (average per year for 1990 thru 1993) was the airspace scheduled? **4546**
      - How many hours were actually used (average per year for 1990 thru 1993, total of all users)? **3274**
      - State reasons for difference between scheduled and actually used. **Weather, Maintenance, and Operations cancellations.**
   g. Is it possible to increase utilization of the airspace? (Yes or No) **Yes**
   h. Can it be expanded in volume and/or hours of use? (Yes or No) **There is room for expanding the volume of airspace controlled by NAS Corpus Christi. Current airspace is available 24hrs daily.**
   i. Describe the volume or area of the airspace. **10875 SQ NM SFC-FL450**
   j. What percentage of the airspace is usable? **All**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

7. For each piece of airspace, that your installation controls or manages, answer the following questions: **W-228 A/B/C/D**

a. Has an environmental analysis (EA, EIS, etc.) been conducted on each airspace? (Yes or No) **No**
- What is the status of each environmental analysis and supplement?**N/A**
- Were there any problems associated with the analysis?**N/A**
- Does the current "Description of Proposed Actions/Alternatives" (DOPAA) define your operations, and if it does, was it used for the latest environmental analysis and supersonic waiver if required? Explain any lack of reports.**N/A**

b. Are there known noise sensitive areas (NSAs) associated with each piece of airspace? (Yes/No) **No**
- List those documented in Flight Information Publication (FLIP) and those you have concerns about. **None**
- Do any of these NSAs affect or threaten the quality of training or mission? **No**

c. Are there any known civilian/commercial encroachments with each piece of airspace? **No.**
- List those for ground or airspace encroachment. (i.e., Public-use airports, parachute operations, gliders, etc. **None**

d. Are there any planned expansions to your special use airspace? **No.**
- Explain proposal and give status (to include community reactions) **N/A**
- What was the primary rationale supporting expansion? **N/A**

e. What type of restrictions exist with each airspace? (i.e., hours of operation, subsonic, altitude restrictions, exercise only, ATC delays, etc.) **There are no restrictions to this airspace.**

f. What is the published availability of each airspace? **Continuous**
- How many hours (average per year for 1990 thru 1993) was the airspace scheduled? ~~18184~~ 4029
- How many hours were actually used (average per year for 1990 thru 1993, total of all users)? ~~13096~~ 3274
- State reasons for difference between scheduled and actually used. **Weather, Maintenance, and Operations cancellations.**

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g. Is it possible to increase utilization of the airspace? (Yes or No) **Yes**

h. Can it be expanded in volume and/or hours of use? (Yes or No) **There is room for expanding the volume of airspace controlled by NAS Corpus Christi. Current airspace is available 24hrs daily.**

i. Describe the volume or area of the airspace. **10875 SQ NM SFC-FL450**

j. What percentage of the airspace is usable? **All**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

8. Potential For Growth in Training Airspace (Area)
   a. Is expansion possible? (Yes or No) **Yes**
      - If yes, give an estimate of the percentage of increase and rationale for your estimate

NAS CORPUS CHRISTI IS CLOSE TO A LARGE VOLUME OF LOW TRAFFIC DENSITY GENERAL USE AIRSPACE THAT COULD BE UTILIZED IF REQUIRED. THIS AIRSPACE COULD DOUBLE OUR CURRENT VOLUME.

   b. Will current access remain the same (status quo)? (Yes or No) **Yes**
   c. Are reductions expected? (Yes or No) **No**
      - If yes, give an estimate of the percentage of decrease and rationale for your estimate
   d. Do current special use airspace and training areas meet all training requirements? (Yes or No) **Yes**
      - Can some of your training requirements only be met by deployed, off-station training? (Yes or No) **No need for off-station training. All requirements can be meet locally.**
      - If not, what degradation is experienced? Explain/identify
        None
9. Commercial Aviation Impact
   a. Is the installation joint-use (CIVILIAN/MILITARY)? YES/NO. **No**
   b. Identify all of the airfields (to include civilian/commerical/general aviation/uncontrolled) within a 50 mile radius of the installation. **Corpus Christi Int., NALF Waldron, NALF Cabaniss, OLF Orange Grove, NAS Kingsville, Kleberg Co., Brooks Co., Alice Int., Robstown, San Patricio, Mustang Beach, Aransas Pass, Aransas County, T.P. McCampbell**
   c. Do civilian/commerical operators or other airspace users pose any scheduling, operational, or environmental constraints or limits on operations? Yes/No (In answering Yes or No, consider ATC, hours of operations, flight tracks/profiles, conflicting traffic with other airports or airspace users, noise sensitive areas, etc.
      - Describe the impact.
        There are no constraints or limitations on operations.

R

Facilities (cont.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

7. For each piece of airspace, that your installation controls or manages, answer the following questions:
A-632 B/F
   a. Has an environmental analysis (EA, EIS, etc.) been conducted on each airspace? (Yes or No) **No**
      - What is the status of each environmental analysis and supplement? **N/A**
      - Were there any problems associated with the analysis?**N/A**
      - Does the current "Description of Proposed Actions/Alternatives" (DOPAA) define your operations, and if it does, was it used for the latest environmental analysis and supersonic waiver if required? Explain any lack of reports. **N/A**
   b. Are there known noise sensitive areas (NSAs) associated with each piece of airspace? (Yes/No) **No**
      - List those documented in Flight Information Publication (FLIP) and those you have concerns about. **None**
      - Do any of these NSAs affect or threaten the quality of training or mission? **No**
   c. Are there any known civilian/commercial encroachments with each piece of airspace? **No.**
      - List those for ground or airspace encroachment. (i.e., Public-use airports, parachute operations, gliders, etc. **None**
   d. Are there any planned expansions to your special use airspace? **No.**
      - Explain proposal and give status (to include community reactions) **N/A**
      - What was the primary rationale supporting expansion? **N/A**
   e. What type of restrictions exist with each airspace? (i.e., hours of operation, subsonic, altitude restrictions, exercise only, ATC delays, etc.) **There are no restrictions to this airspace.**
R f. What is the published availability of each airspace? **A632 B 0700-2400 Daily / A632 F 0700-2400 Mon-Sat**
      - How many hours (average per year for 1990 thru 1993) was the airspace scheduled? **4029**
      - How many hours were actually used (average per year for 1990 thru 1993, total of all users)? **A632 B - 3373 A632 F - Data not recorded**
      - State reasons for difference between scheduled and actually used. **Weather, Maintenance, and Operations cancellations.**
   g. Is it possible to increase utilization of the airspace? (Yes or No) **Yes**
   h. Can it be expanded in volume and/or hours of use? (Yes or No) **There is room for expanding the volume of airspace controlled by NAS Corpus Christi. Additionally airspace could be used 24 hours a day.**
   i. Describe the volume or area of the airspace. **A632 B 1350 SQ NM SFC-FL180**
      A632 F 400 SQ NM 3000-FL180
   j. What percentage of the airspace is usable? **All**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

7. FOR EACH PIECE OF AIRSPACE, THAT YOUR INSTALLATION CONTROLS OR MANAGES, ANSWER THE FOLLOWING QUESTIONS:

A-632 B/F

A. HAS AN ENVIRONMENTAL ANALYSIS (EA, EIS, ETC.) BEEN CONDUCTED ON EACH AIRSPACE? (YES OR NO) **NO**

- WHAT IS THE STATUS OF EACH ENVIRONMENTAL ANALYSIS AND SUPPLEMENT? **N/A**
- WERE THERE ANY PROBLEMS ASSOCIATED WITH THE ANALYSIS?**N/A**
- DOES THE CURRENT "DESCRIPTION OF PROPOSED ACTIONS/ALTERNATIVES" (DOPAA) DEFINE YOUR OPERATIONS, AND IF IT DOES, WAS IT USED FOR THE LATEST ENVIRONMENTAL ANALYSIS AND SUPERSONIC WAIVER IF REQUIRED? EXPLAIN ANY LACK OF REPORTS. **N/A**

B. ARE THERE KNOWN NOISE SENSITIVE AREAS (NSAS) ASSOCIATED WITH EACH PIECE OF AIRSPACE? (YES/NO) **NO**

- LIST THOSE DOCUMENTED IN FLIGHT INFORMATION PUBLICATION (FLIP) AND THOSE YOU HAVE CONCERNS ABOUT. **NONE**
- DO ANY OF THESE NSAS AFFECT OR THREATEN THE QUALITY OF TRAINING OR MISSION? **NO**

C. ARE THERE ANY KNOWN CIVILIAN/COMMERCIAL ENCROACHMENTS WITH EACH PIECE OF AIRSPACE? **NO.**

- LIST THOSE FOR GROUND OR AIRSPACE ENCROACHMENT. (I.E., PUBLIC-USE AIRPORTS, PARACHUTE OPERATIONS, GLIDERS, ETC. **NONE**

D. ARE THERE ANY PLANNED EXPANSIONS TO YOUR SPECIAL USE AIRSPACE? **NO.**

- EXPLAIN PROPOSAL AND GIVE STATUS (TO INCLUDE COMMUNITY REACTIONS) **N/A**
- WHAT WAS THE PRIMARY RATIONALE SUPPORTING EXPANSION? **N/A**

E. WHAT TYPE OF RESTRICTIONS EXIST WITH EACH AIRSPACE? (I.E., HOURS OF OPERATION, SUBSONIC, ALTITUDE RESTRICTIONS, EXERCISE ONLY, ATC DELAYS, ETC.) **THERE ARE NO RESTRICTIONS TO THIS AIRSPACE.**

F. WHAT IS THE PUBLISHED AVAILABILITY OF EACH AIRSPACE? **A632 B 0700-2400 DAILY / A632 F 0700-2400 MON-SAT**

- HOW MANY HOURS (AVERAGE PER YEAR FOR 1990 THRU 1993) WAS THE AIRSPACE SCHEDULED? ~~**16116**~~ 4029
- HOW MANY HOURS WERE ACTUALLY USED (AVERAGE PER YEAR FOR 1990 THRU 1993, TOTAL OF ALL USERS)? **A632 B** ~~**13242**~~ 3311 **A632 F - DATA NOT RECORDED**
- STATE REASONS FOR DIFFERENCE BETWEEN SCHEDULED AND ACTUALLY USED. **WEATHER, MAINTENANCE, AND OPERATIONS CANCELLATIONS.**

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G. IS IT POSSIBLE TO INCREASE UTILIZATION OF THE AIRSPACE? (YES OR NO) **YES**

H. CAN IT BE EXPANDED IN VOLUME AND/OR HOURS OF USE? (YES OR NO) **THERE IS ROOM FOR EXPANDING THE VOLUME OF AIRSPACE CONTROLLED BY NAS CORPUS CHRISTI. ADDITIONALLY AIRSPACE COULD BE USED 24 HOURS A DAY.**

I. DESCRIBE THE VOLUME OR AREA OF THE AIRSPACE. **A632 B 1350 SQ NM SFC-FL180 A632 F 400 SQ NM 3000-FL180**

J. WHAT PERCENTAGE OF THE AIRSPACE IS USABLE? **ALL**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

8. POTENTIAL FOR GROWTH IN TRAINING AIRSPACE (AREA)
   A. IS EXPANSION POSSIBLE? (YES OR NO) **YES**
      - IF YES, GIVE AN ESTIMATE OF THE PERCENTAGE OF INCREASE AND RATIONALE FOR YOUR ESTIMATE **NAS CORPUS CHRISTI IS CLOSE TO A LARGE VOLUME OF LOW TRAFFIC DENSITY GENERAL USE AIRSPACE THAT COULD BE UTILIZED IF REQUIRED. THIS AIRSPACE COULD DOUBLE OUR CURRENT VOLUME.**
   B. WILL CURRENT ACCESS REMAIN THE SAME (STATUS QUO)? (YES OR NO) **YES**
   C. ARE REDUCTIONS EXPECTED? (YES OR NO) **NO**
      - IF YES, GIVE AN ESTIMATE OF THE PERCENTAGE OF DECREASE AND RATIONALE FOR YOUR ESTIMATE
   D. DO CURRENT SPECIAL USE AIRSPACE AND TRAINING AREAS MEET ALL TRAINING REQUIREMENTS? (YES OR NO) **YES**
      - CAN SOME OF YOUR TRAINING REQUIREMENTS ONLY BE MET BY DEPLOYED, OFF-STATION TRAINING? (YES OR NO) **NO NEED FOR OFF-STATION TRAINING. ALL REQUIREMENTS CAN BE MEET LOCALLY.**
      - IF NOT, WHAT DEGRADATION IS EXPERIENCED? EXPLAIN/IDENTIFY
      NONE
9. COMMERCIAL AVIATION IMPACT
   A. IS THE INSTALLATION JOINT-USE (CIVILIAN/MILITARY)? YES/NO. **NO**
   B. IDENTIFY ALL OF THE AIRFIELDS (TO INCLUDE CIVILIAN/COMMERICAL/GENERAL AVIATION/UNCONTROLLED) WITHIN A 50 MILE RADIUS OF THE INSTALLATION. **CORPUS CHRISTI INT., NALF WALDRON, NALF CABANISS, OLF ORANGE GROVE, NAS KINGSVILLE, KLEBERG CO., BROOKS CO., ALICE INT., ROBSTOWN, SAN PATRICIO, MUSTANG BEACH, ARANSAS PASS, ARANSAS COUNTY, T.P. MCCAMPBELL**
   C. DO CIVILIAN/COMMERICAL OPERATORS OR OTHER AIRSPACE USERS POSE ANY SCHEDULING, OPERATIONAL, OR ENVIRONMENTAL CONSTRAINTS OR LIMITS ON OPERATIONS? YES/NO (IN ANSWERING YES OR NO, CONSIDER ATC, HOURS OF OPERATIONS, FLIGHT TRACKS/PROFILES, CONFLICTING TRAFFIC WITH OTHER AIRPORTS OR AIRSPACE USERS, NOISE SENSITIVE AREAS, ETC.
      - DESCRIBE THE IMPACT.
      THERE ARE NO CONSTRAINTS OR LIMITATIONS ON OPERATIONS.

Facilities (cont.)

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A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **A-632B**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **1350 sq nm, SFC-FL180**
c. Distance from main airfield - **Overlies main airfield**
d. Time en route from main airfield - **5 minutes to established blocks**
e. Controlling agency - **None**
f. Scheduling agency - **TW-4**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
R l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By Navy - **91684**
   - By other services (including reserves and national guard) N/A
m. Total number of available hours in FY 1990 thru 1993 - **24820**
n. Total number of scheduled hours in FY 1990 thru 1993 - **16116**
   - By your service - **16116**
   - By other services (including reserves and national Guard) **N/A**
o. Total number of hours used - **13242**
   - By your service - **3,373**
   - By other services (including reserves and national guard) **N/A**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, maintenance flights, pilot proficiency, and aerial refueling.**

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Facilities (cont.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **A-632B**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **1350 sq nm, SFC-FL180**
c. Distance from main airfield - **Overlies main airfield**
d. Time en route from main airfield - **5 minutes to established blocks**
e. Controlling agency - **None**
f. Scheduling agency - **TW-4**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By Navy - **91684**
   - By other services (including reserves and national guard) N/A
m. Total number of available hours in FY 1990 thru 1993 - **24820**
n. Total number of scheduled hours in FY 1990 thru 1993 - **16116**
   - By your service - **16116**
   - By other services (including reserves and national Guard) **N/A**
o. Total number of hours used - **13492**
   - By your service - **13492**
   - By other services (including reserves and national guard) **N/A**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, maintenance flights, pilot proficiency, and aerial refueling.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **A-632B**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **1350 sq nm, SFC-FL180**
c. Distance from main airfield - **Overlies main airfield**
d. Time en route from main airfield - **5 minutes to established blocks**
e. Controlling agency - **None**
f. Scheduling agency - **TW-4**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage? **NAS Corpus Christi**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By Navy - **88034**
   - By other services (including reserves and national guard)
m. Total number of available hours in FY 1990 thru 1993 - **24820**
n. Total number of scheduled hours in FY 1990 thru 1993 - **16116**
   - By your service - **16116**
   - By other services (including reserves and national guard) **N/A**
o. Total number of hours used - **13242**
   - By your service - **3,373**
   - By other services (including reserves and national guard) **N/A**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, maintenance flights, pilot proficiency, and aerial refueling.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: A-632C

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **500 sq nm, SFC-FL180**
c. Distance from main airfield - **40nm West**
d. Time en route from main airfield - **13 minutes**
e. Controlling agency - **None**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **Data not recorded**
   - By your service
   - By other services (including reserves and national guard)
m. Total number of available hours in FY 1990 thru 1993- **17680**
n. Total number of scheduled hours in FY 1990 thru 1993- **Due to low TW-4 utilization, area is not advance scheduled by TW-4.**
   - By your service
   - By other services (including reserves and national guard)
o. Total number of hours used - **Data not recorded**
   - By Navy
   - By other services (including reserves and national guard)
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, and aerial refueling.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **A-632D**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **1929 sq nm, 6000' - 11000'**
c. Distance from main airfield - **45nm North**
d. Time en route from main airfield - **15 minutes**
e. Controlling agency - **None**
f. Scheduling agency - **TW-4**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **Corpus Approach/ Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Corpus Approach/ Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **Data not Recorded**
   - By your service
   - By other services (including reserves and national guard)
m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993- **Due to low TW-4 utilization, area is not advance scheduled by TW-4.**
   - By your service
   - By other services (including reserves and national guard)
o. Total number of hours used - **Data not recorded**
   - By your service
   - By other services (including reserves and national guard)
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, night familiarization, indoctrination flights, pilot proficiency, and aerial refueling.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **A-632F**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Alert Area**
b. Dimensions (nmi. x nmi. x ft) - **400 sq nm, 3000' - FL180**
c. Distance from main airfield - **25nm North**
d. Time en route from main airfield - **9 minutes**
e. Controlling agency - **None**
f. Scheduling agency - **TW-4**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Corpus Christi**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Corpus Christi**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993-**Data not recorded**
   - By your service
   - By other services (including reserves and national guard)
m. Total number of available hours in FY 1990 thru 1993- **21216**
n. Total number of scheduled hours in FY 1990 thru 1993- **16116**
   - By your service- **16116**
   - By other services (including reserves and national guard)-**N/A**
o. Total number of hours used- **Data is not recorded**
   - By Navy
   - By other services (including reserves and national guard)
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, pilot proficiency, and aerial refueling.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **KINGSVILLE 1\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **2100 sq nm, 8000' -FL350**
c. Distance from main airfield - **35nm West**
d. Time en route from main airfield - **13 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **10**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
R l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- **48684**
   - By other services (including reserves and national guard)- **Unknown**
R m. Total number of available hours in FY 1990 thru 1993- **23152**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **11792**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **11792**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, and aerial refueling.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: KINGSVILLE 1\MOA\ATCAA

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **2100 sq nm, 8000' -FL350**
c. Distance from main airfield - **35nm West**
d. Time en route from main airfield - **13 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **10**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   R- By your service- ~~48684~~ 12171
   - By other services (including reserves and national guard)- **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **23152**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **11792**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **11792**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, and aerial refueling.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **KINGSVILLE 1\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **2100 sq nm, 8000' -FL350**
c. Distance from main airfield - **35nm West**
d. Time en route from main airfield - **13 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **10**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993 SH CNET N44331 5/11/94
   - By your service- ~~12171~~ 48684
   - By other services (including reserves and national guard)- **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **18720**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **11792**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **11792**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, and aerial refueling.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **KINGSVILLE 2\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
R b. Dimensions (nmi. x nmi. x ft) - **435 sq nm, 13000' -FL350**
c. Distance from main airfield - **25nm West**
d. Time en route from main airfield - **9 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
- If so, how many? - **1**
- If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**

h. Is the airspace under radar coverage? - **Yes**
- If so who provides the coverage?- **NAS Kingsville**

i. Is the airspace under communications coverage? - **Yes**
- If so who provides the coverage?- **NAS Kingsville**

j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993
- By your service- **48684**
- By other services (including reserves and national guard) **Unknown**

R m. Total number of available hours in FY 1990 thru 1993- **23152**
n. Total number of scheduled hours in FY 1990 thru 1993
- By your service- **11792**
- By other services (including reserves and national guard) **Unknown**

o. Total number of hours used
- By Navy - **11792**
- By other services (including reserves and national guard) **Unknown**

p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **KINGSVILLE 2\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **435 sq nm, 13000' -FL350**
c. Distance from main airfield - **25nm West**
d. Time en route from main airfield - **9 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **1**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   R - By your service- ~~48684~~ 12171
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **23152**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **11792**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **11792**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

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10/4/94

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CLOSE HOLD

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: KINGSVILLE 2\MOA\ATCAA

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **2100 sq nm, 13000' -FL350**
c. Distance from main airfield - **25nm West**
d. Time en route from main airfield - **9 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **1**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- ~~12171~~ 4684 ~~CNET~~ N44331 5/11/94
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **18720**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **11792**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **11792**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

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FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **CHASE 1\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) -**MOA**
b. Dimensions (nmi. x nmi. x ft) - **2174 sq nm, 11000' -FL350**
c. Distance from main airfield - **30nm North**
d. Time en route from main airfield - **10 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **2**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
R — - If so who provides the coverage?- **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
R — - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- **480**
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **952**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **952**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **CHASE 1\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) -**MOA**
b. Dimensions (nmi. x nmi. x ft) - **2174 sq nm, 11000' -FL350**
c. Distance from main airfield - **30nm North**
d. Time en route from main airfield - **10 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **2**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Kingsville**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- **480**
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **952**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **952**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

FACILITIES (CONT.)

R

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **CHASE 2\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
R b. Dimensions (nmi. x nmi. x ft) - **912 sq nm, 9000' -FL350**
c. Distance from main airfield - **70nm North**
d. Time en route from main airfield - **23 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
- If so, how many? - **1**
- If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**

h. Is the airspace under radar coverage? - **Yes**
- If so who provides the coverage?- **Houston Center**

i. Is the airspace under communications coverage? - **Yes**
- If so who provides the coverage?- **Houston Center**

j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
- By your service- **480**
- By other services (including reserves and national guard) **Unknown**

m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993
- By your service- **952**
- By other services (including reserves and national guard) **Unknown**

o. Total number of hours used
- By Navy - **952**
- By other services (including reserves and national guard) **Unknown**

p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **CHASE 2\MOA\ATCAA**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **551 sq nm, 9000' -FL350**
c. Distance from main airfield - **70nm North**
d. Time en route from main airfield - **23 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **1**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- **480**
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **952**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **952**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: CHASE 3\MOA\ATCAA

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MOA**
b. Dimensions (nmi. x nmi. x ft) - **2775 sq nm, 8000' -FL350**
c. Distance from main airfield - **46nm North**
d. Time en route from main airfield - **15 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **TW-2**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **2**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR**
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993
   - By your service- **1200**
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993- **19760**
n. Total number of scheduled hours in FY 1990 thru 1993
   - By your service- **3988**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used
   - By Navy - **3988**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Student familiarization, formation flight, precision aerobatics, basic instruments, radio instruments, night familiarization, indoctrination flights, pilot proficiency, aerial refueling, and air combat training.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **W-228**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **Warning Area**
b. Dimensions (nmi. x nmi. x ft) - **10875 sq nm, SFC-FL450**
c. Distance from main airfield - **10nm East**
d. Time en route from main airfield - **4 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **Naval Air Station, Corpus Christi, TX**
g. Are canned/stereo airways needed to access air space? - **Used routinely but not required.**
   - If so, how many? - **3**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IMC, Altitude Block Reservation**
h. Is the airspace under radar coverage? - **Yes, only to 60nm from radar site**
   - If so who provides the coverage? - **NAS Corpus Christi**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **NAS Corpus Christi**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **1**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **31832**
   - By your service- **Unknown**
   - By other services (including reserves and national guard) **Unknown**
m. Total number of available hours in FY 1990 thru 1993 **Continuous**
n. Total number of scheduled hours in FY 1990 thru 1993-**18184**
   - By your service- **Unknown**
   - By other services (including reserves and national guard) **Unknown**
o. Total number of hours used - **13096**
   - By Navy - **Unknown**
   - By other services (including reserves and national guard) **Unknown**
p. Types of training permitted - **Reconnaissance, student pilot training, maritime training, tactical formation, air combat training, air-to-air gunnery, aerial refueling, and surface/sub-surface ship operations.**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **VR 168**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC-2000'**
c. Distance from main airfield - **85nm**
d. Time en route from main airfield - **28 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **7 VR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **140**
   - By your service- **74**
   - By other services (including reserves and national guard) - **66**
m. Total number of available hours in FY 1990 thru 1993 - **26280**
n. Total number of scheduled hours in FY 1990 thru 1993-**114**
   - By your service- **85.5**
   - By other services (including reserves and national guard)- **28.5**
o. Total number of hours used - **114**
   - By Navy - **85.5**
   - By other services (including reserves and national guard)- **28.5**
p. Types of training permitted - **Navigational Training**

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **VR 151**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC-2000'**
c. Distance from main airfield - **100nm**
d. Time en route from main airfield - **33 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **206**
   - By your service- **57**
   - By other services (including reserves and national guard)- **149**
m. Total number of available hours in FY 1990 thru 1993 - **23360**
n. Total number of scheduled hours in FY 1990 thru 1993-**111.79**
   - By your service- **61**
   - By other services (including reserves and national guard)- **50.79**
o. Total number of hours used - **111.79**
   - By Navy - **61**
   - By other services (including reserves and national guard)- **50.79**
p. Types of training permitted - **Navigational Training**

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 167**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC-2000'**
c. Distance from main airfield - **85nm**
d. Time en route from main airfield - **28 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **2 IR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **52**
   - By your service- **52**
   - By other services (including reserves and national guard)- **0**
m. Total number of available hours in FY 1990 thru 1993 - **26280**
n. Total number of scheduled hours in FY 1990 thru 1993-**77.89**
   - By your service- **77.89**
   - By other services (including reserves and national guard)- **0**
o. Total number of hours used - **77.89**
   - By Navy - **77.89**
   - By other services (including reserves and national guard)- **0**
p. Types of training permitted - **Navigational Training**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 166**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC-2000'**
c. Distance from main airfield - **48nm**
d. Time en route from main airfield - **16 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **3 IR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **55**
   - By your service- **6**
   - By other services (including reserves and national guard)- **49**
m. Total number of available hours in FY 1990 thru 1993 - **26280**
n. Total number of scheduled hours in FY 1990 thru 1993-**8.95**
   - By your service- **4.7**
   - By other services (including reserves and national guard)- **4.25**
o. Total number of hours used - **8.95**
   - By Navy - **4.7**
   - By other services (including reserves and national guard)- **4.25**
p. Types of training permitted - **Navigational Training**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 149**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC-3000'**
c. Distance from main airfield - **57nm**
d. Time en route from main airfield - **19 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **6 VR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **40**
   - By your service- **2**
   - By other services (including reserves and national guard)- **38**
m. Total number of available hours in FY 1990 thru 1993 - **24090**
n. Total number of scheduled hours in FY 1990 thru 1993- **40.9**
   - By your service- **2**
   - By other services (including reserves and national guard)- **38.9**
o. Total number of hours used - **19.6**
   - By Navy - **2.5**
   - By other services (including reserves and national guard)- **17.1**
p. Types of training permitted - **Navigational Training**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 148**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **3 NM 500'- 2000'**
c. Distance from main airfield - **100nm**
d. Time en route from main airfield - **33 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **2 VR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **703**
   - By your service- **185**
   - By other services (including reserves and national guard)- **518**
m. Total number of available hours in FY 1990 thru 1993 - **24090**
n. Total number of scheduled hours in FY 1990 thru 1993- **703**
   - By your service- **185**
   - By other services (including reserves and national guard)- **518**
o. Total number of hours used - **550.8**
   - By Navy - **217.1**
   - By other services (including reserves and national guard)- **333.7**
p. Types of training permitted - **Navigational Training**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 147**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **4 NM 3000'- 9000'**
c. Distance from main airfield - **72nm**
d. Time en route from main airfield - **24 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **2 IR/ 1 VR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **2**
   - By your service- **0**
   - By other services including reserves and national guard)- **2**
m. Total number of available hours in FY 1990 thru 1993 - **18250**
n. Total number of scheduled hours in FY 1990 thru 1993- **2**
   - By your service- **0**
   - By other services (including reserves and national guard)- **2**
o. Total number of hours used - **2.3**
   - By Navy - **0**
   - By other services (including reserves and national guard)- **2.3**
p. Types of training permitted - **Road Recon**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: **IR 136**

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **5 NM SFC- 2000'**
c. Distance from main airfield - **60nm**
d. Time en route from main airfield - **20 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **6 VR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **34.3**
   - By your service- **18.3**
   - By other services including reserves and national guard)- **16**
m. Total number of available hours in FY 1990 thru 1993 - **17520**
n. Total number of scheduled hours in FY 1990 thru 1993- **34.3**
   - By your service- **18.3**
   - By other services (including reserves and national guard)- **16**
o. Total number of hours used - **32.4**
   - By Navy - **19.4**
   - By other services (including reserves and national guard)- **13**
p. Types of training permitted - **Navigational Training**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT.)

10. List all areas for special use within 100 nmi. of your installation. For each piece of airspace, provide the following data:

AIRSPACE DESIGNATOR: IR 135

a. Type of airspace (i.e., warning area, MOA, alert area, restricted area, or MTR) - **MTR**
b. Dimensions (nmi. x nmi. x ft) - **8 NM 3000' - 9000'**
c. Distance from main airfield - **42nm**
d. Time en route from main airfield - **14 minutes**
e. Controlling agency - **Houston Center**
f. Scheduling agency - **NAS Kingsville, TW-2**
g. Are canned/stereo airways needed to access air space? - **No**
   - If so, how many?
   - If so, what types (i.e., IFR, VFR, or altitude reservation)?
h. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage? - **Houston Center**
i. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
j. Number of low level airways (below 18,000 ft) that bisect airspace - **3 IR Routes**
k. Number of high altitude airways (above 18,000 ft) that bisect airspace- **None**
l. Total number of sorties/movements flown in FY 1990 thru 1993- **1095**
   - By your service- **1090**
   - By other services including reserves and national guard)- **5**
m. Total number of available hours in FY 1990 thru 1993 - **17520**
n. Total number of scheduled hours in FY 1990 thru 1993- **1095**
   - By your service- **1090**
   - By other services (including reserves and national guard)- **5**
o. Total number of hours used - **1022.2**
   - By Navy - **1021**
   - By other services (including reserves and national guard)- **1.2**
p. Types of training permitted - **Road Recon and Simulated Attacks**

Facilities (cont.)

A. Air Space and Flight Training Areas (cont.)

11. List all the Ranges (Controlled/managed by installation) (IF NONE, SKIP TO A. 3.)

None controlled by NAS Corpus Christi.

RANGE NAME:_____

a. List the range(s) that your installation controls/manages?
b. List the range's (s') associated airspace to include restricted areas, MOAs, etc.
c. What is the distance from the installation to the range(s) (primary target or centroid)?
d. What is the size of the range? (in acres)
   - What is the size of the range's(s') impact area(s) (in acres)?
   - What is the size of the restricted area in which the range lies (in square miles)?
   - What is the altitude ceiling of the range's(s') restricted area(s)?
e. Does the range's(s') shape/location prohibit efficient training or significantly hamper mission accomplishment (i.e., single run-in headings, no pop patterns, etc)?
f. What other type of restrictions exist (i.e., limited hours, exercise only, ceiling precludes high altitude dive bomb deliveries, etc.)?
g. What flying squadron/aviation units are regular users (20 or more range periods per year) of the range(s)? List
h. What is the published availability of the range(s)?
   - How many hours (average per year for 1990 thru 1993) was the range(s) scheduled?
   - How many hours was the range(s) used (average per year for 1990 thru 1993, total of all users)?
   - Utilization (average used/average scheduled x 100 = %)
   - Give reasons for non-use.
i. Does the range(s) have full-scale weapons develivery (FSWD)/area scoring weapon system (ASWS) capability? Describe in detail.
   - What are the associated FSWD/ASWS restrictions?
j. Does the range(s) have any special weapons capability (shapes, laser-guided, etc.)?
   - What are the associated special weapons restrictions?
k. Does the range(s) have electronic warfare capability? Describe (unclassified) in detail.
   - What are the associated electronic warfare restrictions?
l. Are there any noise sensitive area (NSAs) associated with the range(s)? List.
   - Do any of the NSAs affect or threaten the quality of training? (Explain)
m. Are there commercial/civilian encroachment problems associated with the range(s)? Describe.
   - Do any of these encroachments affect or threaten the quality of training? (Explain)
n. Describe problems (if any) with hazardous material/waste/ordnance disposal?
o. What is the status of any MOU/A or Letters of Agreement (LOA) associated with range?
   - Is there a prospect of the range having a diminished training capacity when the MOU/A or LOA is renewed? If yes, explain.
p. Is it possible to increase utilization of the range(s) (expand hours, volume)?
q. Are there any planned range real property expansions? Describe.
   - What is community reaction to your proposal?

R

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT)

12. List all the other air-to-ground training ranges not controled or managed by your installation within 100 nmi. For each range, provide the following data:

RANGE NAME: **R-6312 (MCMULLEN TGT COMPLEX)**

a. Location (city/county and state and lattitude and longitude) - **Cotulla, TX**
b. Distance from main airfield - **60nm**
c. Time en route from main airfield - **20 minutes**
d. Controlling agency - **FAA, ARTCC, Houston, TX**
e. Scheduling agency - **NAS Kingsville, TX**
f. Are canned/stereo airways needed to access air space? - **Routinely used but not required.**
   - If so, how many? - **2**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR and VFR**
g. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
h. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
i. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
j. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
k. Total number of sorties flown in FY 1990 thru 1993- **1393**
   - By your service- **266**
   - By other services (including reserves and national guard)- **1127**
R l. Total number of available hours in FY 1990 thru 1993-**17520**
m. Total number of scheduled hours in FY 1990 thru 1993- **478.25**
   - By your service- **164**
   - By other services (including reserves and national guard)- **314.25**
n. Total number of hours used - **223.25**
   - By Navy - **42**
   - By other services (including reserves and national guard) - **181.25**
o. Types of training permitted - **Bombing/strafing**

NOTE: All totals are based on data from January to September 1993, area formerly scheduled by NAS Chase and data is no longer available.

13. Describe the major air traffic structure (routes, terminal control areas, approaches, etc.) within 50 NM of each air-to-ground range, airspace, and airfield.
See attached diagrams.

14. Are installation operations currently affected by the major air traffic structures (routes, terminal control areas, approaches, etc.) within 50 NM of each air-to-ground range, airspace, and airfield? If so, describe the effect. **No**

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT)

12. List all the other air-to-ground training ranges not controled or managed by your installation within 100 nmi. For each range, provide the following data:

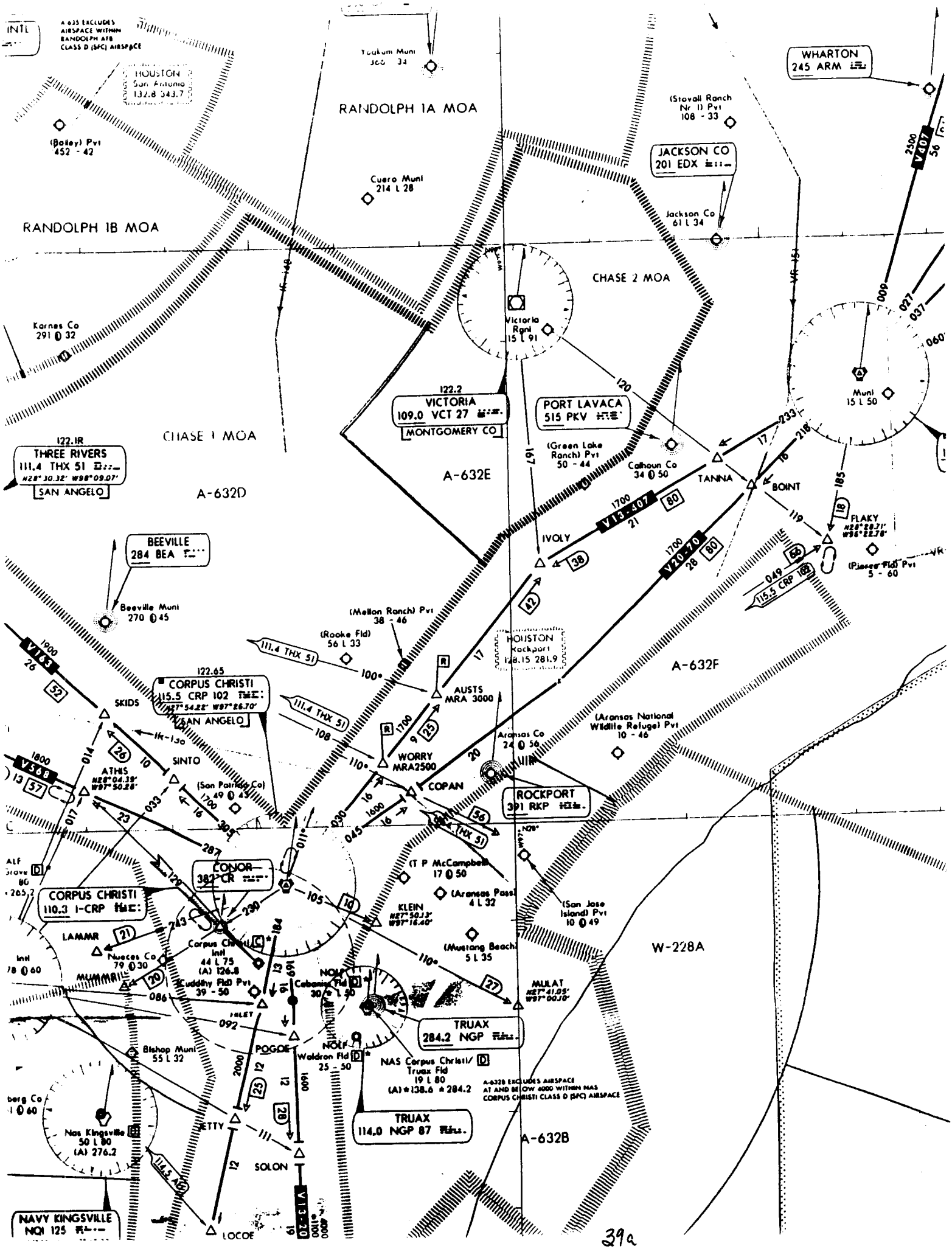
RANGE NAME: R-6312 (MCMULLEN TGT COMPLEX)

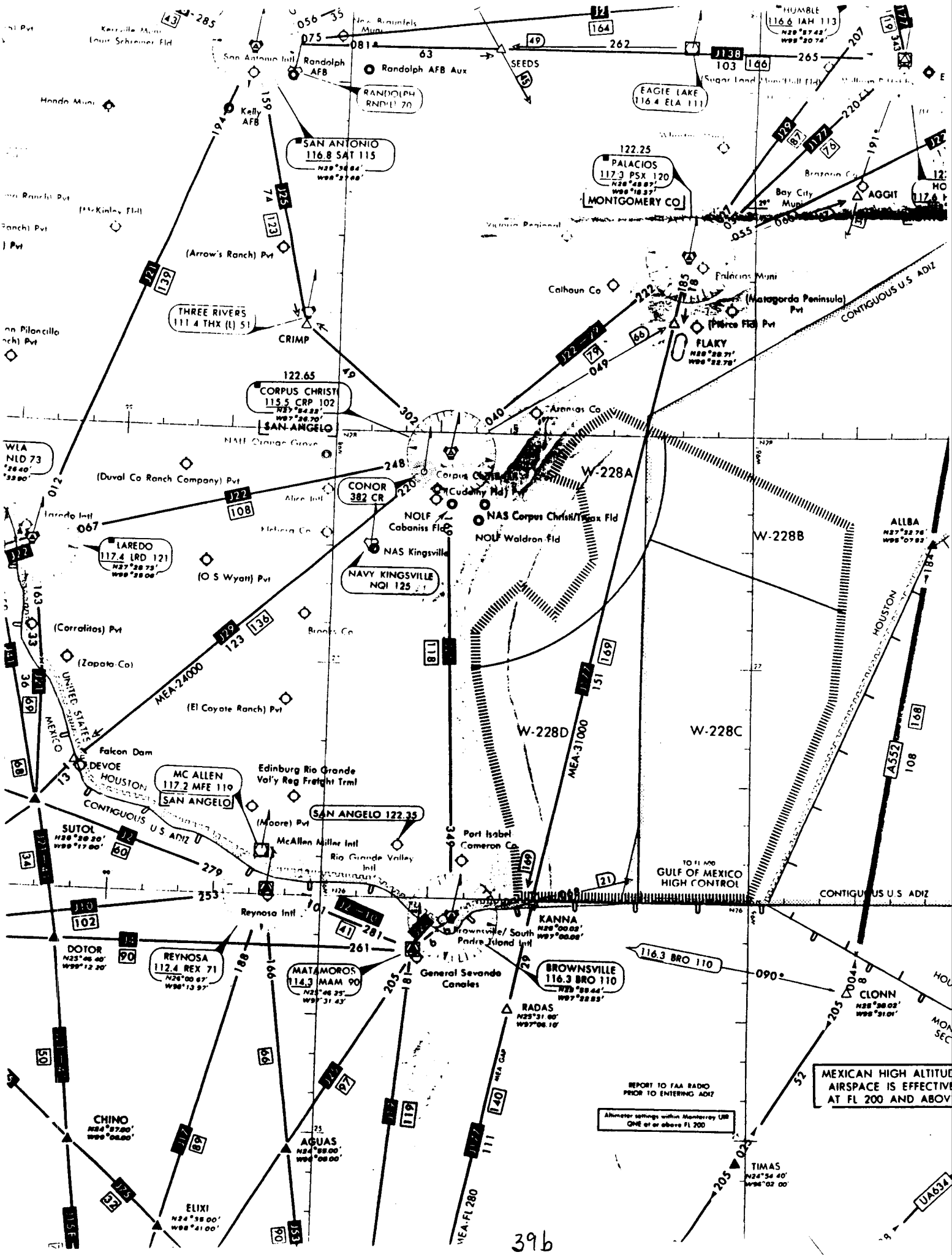
a. Location (city/county and state and lattitude and longitude) - **Cotulla, TX**
b. Distance from main airfield - **60nm**
c. Time en route from main airfield - **20 minutes**
d. Controlling agency - **FAA, ARTCC, Houston, TX**
e. Scheduling agency - **NAS Kingsville, TX**
f. Are canned/stereo airways needed to access air space? - **Routinely used but not required.**
   - If so, how many? - **2**
   - If so, what types (i.e., IFR, VFR, or altitude reservation)? - **IFR and VFR**
g. Is the airspace under radar coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
h. Is the airspace under communications coverage? - **Yes**
   - If so who provides the coverage?- **Houston Center**
i. Number of low level airways (below 18,000 ft) that bisect airspace - **None**
j. Number of high altitude airways (above 18,000 ft) that bisect airspace - **None**
k. Total number of sorties flown in FY 1990 thru 1993- **1393**
   - By your service- **266**
   - By other services (including reserves and national guard)- **1127**
l. Total number of available hours in FY 1990 thru 1993-**6352**
m. Total number of scheduled hours in FY 1990 thru 1993- **478.25**
   - By your service- **164**
   - By other services (including reserves and national guard)- **314.25**
n. Total number of hours used - **223.25**
   - By Navy - **42**
   - By other services (including reserves and national guard) - **181.25**
o. Types of training permitted - **Bombing/strafing**

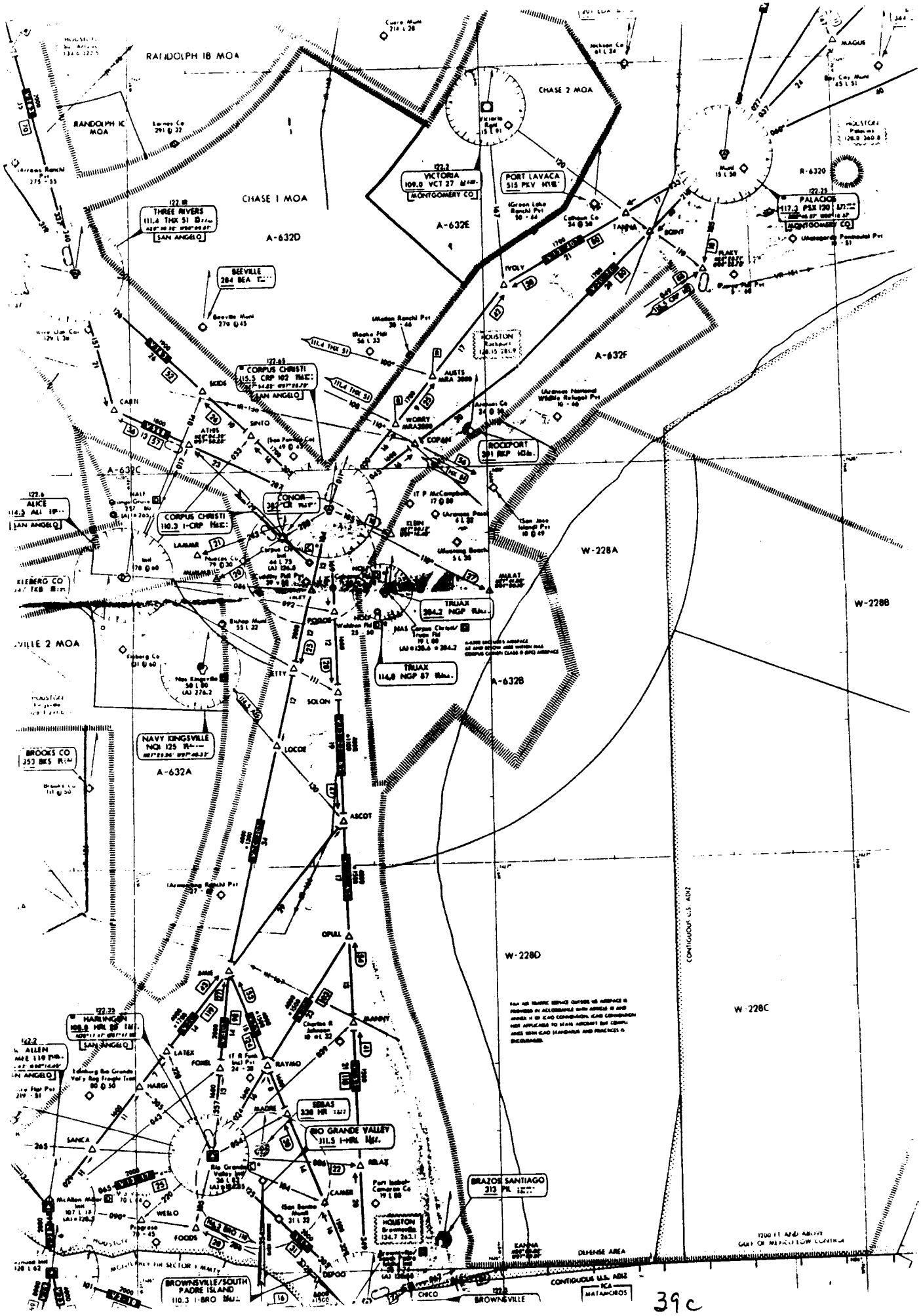
NOTE: All totals are based on data from January to September 1993, area formerly scheduled by NAS Chase and data is no longer available.

13. Describe the major air traffic structure (routes, terminal control areas, approaches, etc.) within 50 NM of each air-to-ground range, airspace, and airfield.
See attached diagrams.

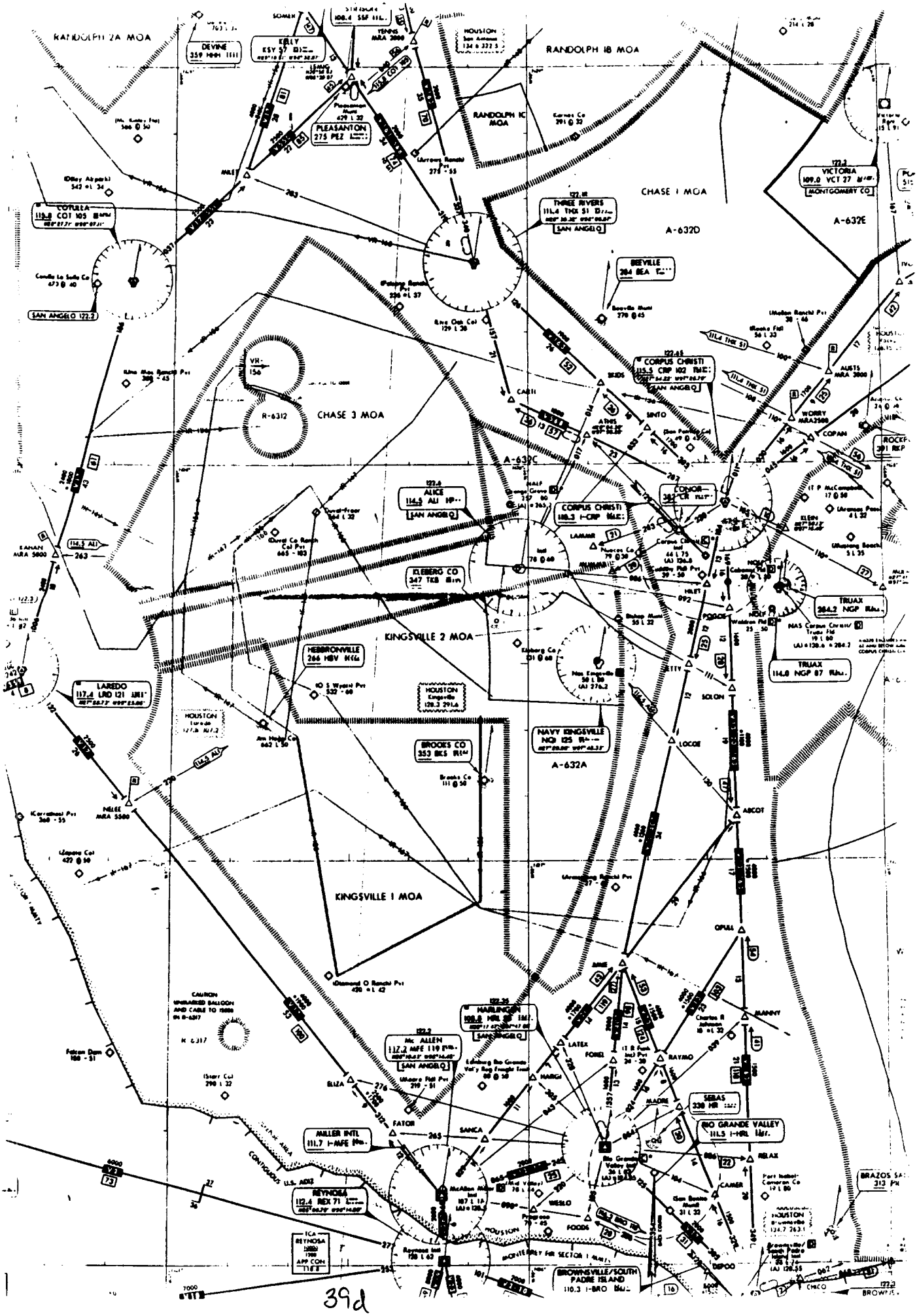
14. Are installation operations currently affected by the major air traffic structures (routes, terminal control areas, approaches, etc.) within 50 NM of each air-to-ground range, airspace, and airfield? If so, describe the effect. **No**

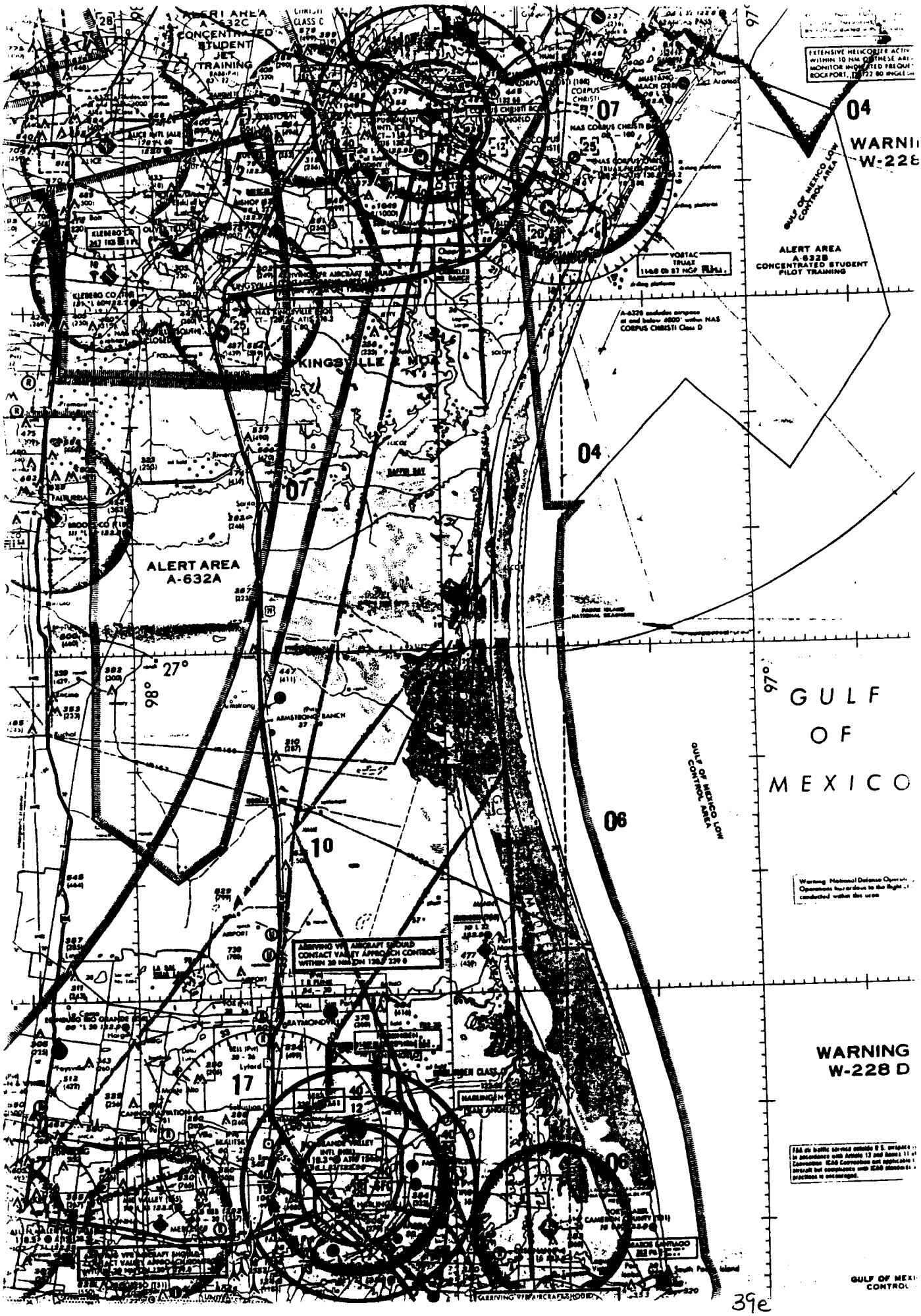

A 635 EXCLUDES AIRSPACE WITHIN RANDOLPH AFB CLASS D (SFC) AIRSPACE
HOUSTON San Antonio 132.8 343.7
RANDOLPH 1A MOA
RANDOLPH 1B MOA
Yoakum Muni
(Bailey) Pvt 452 - 42
Cuero Muni 214 L 28
(Stovall Ranch Nr 1) Pvt 108 - 33
WHARTON 245 ARM
JACKSON CO 201 EDX
Jackson Co 61 L 34
CHASE 2 MOA
Karnes Co 291 0 32
Victoria Rgnl 15 L 91
122.2 VICTORIA 109.0 VCT 27
MONTGOMERY CO
PORT LAVACA 515 PKV
(Green Lake Ranch) Pvt 50 - 44
Calhoun Co 34 0 50
Muni 15 L 50
CHASE 1 MOA
122.1R THREE RIVERS 111.4 THX 51
SAN ANGELO
A-632D
A-632E
TANNA
BOINT
FLAKY
(Pioneer Fld) Pvt 5 - 60
IVOLY
V13-407
V20-70
BEEVILLE 284 BEA
Beeville Muni 270 0 45
(Mellon Ranch) Pvt 38 - 46
(Rooke Fld) 56 L 33
HOUSTON Rockport 128.15 281.9
A-632F
122.65 CORPUS CHRISTI 115.5 CRP 102
SAN ANGELO
SKIDS
AUSTS MRA 3000
(Aransas National Wildlife Refuge) Pvt 10 - 46
Aransas Co 24 0 56
SINTO
ATHIS
WORRY MRA2500
COPAN
(San Patricio Co) 49 0 45
ROCKPORT 391 RKP
CONOR 382 CR
(T P McCampbell) 17 0 50
(Aransas Pass) 4 L 32
CORPUS CHRISTI 110.3 I-CRP
KLEIN
(San Jose Island) Pvt 10 0 49
LAMMR
Nueces Co 79 0 30
Corpus Christi Intl 44 L 75 (A) 126.8
(Mustang Beach) 5 L 35
W-228A
MUMMBLE
(Cuddihy Fld) Pvt 39 - 50
Cabaniss Fld 30 L 50
MULAT
TRUAX 284.2 NGP
POGOE
Bishop Muni 55 L 32
Waldron Fld 25 - 50
NAS Corpus Christi/ Truax Fld 19 L 80 (A) 138.6 284.2
A-632B
TRUAX 114.0 NGP 87
Nas Kingsville 50 L 80 (A) 276.2
SOLON
LOCOE
NAVY KINGSVILLE NQI 125

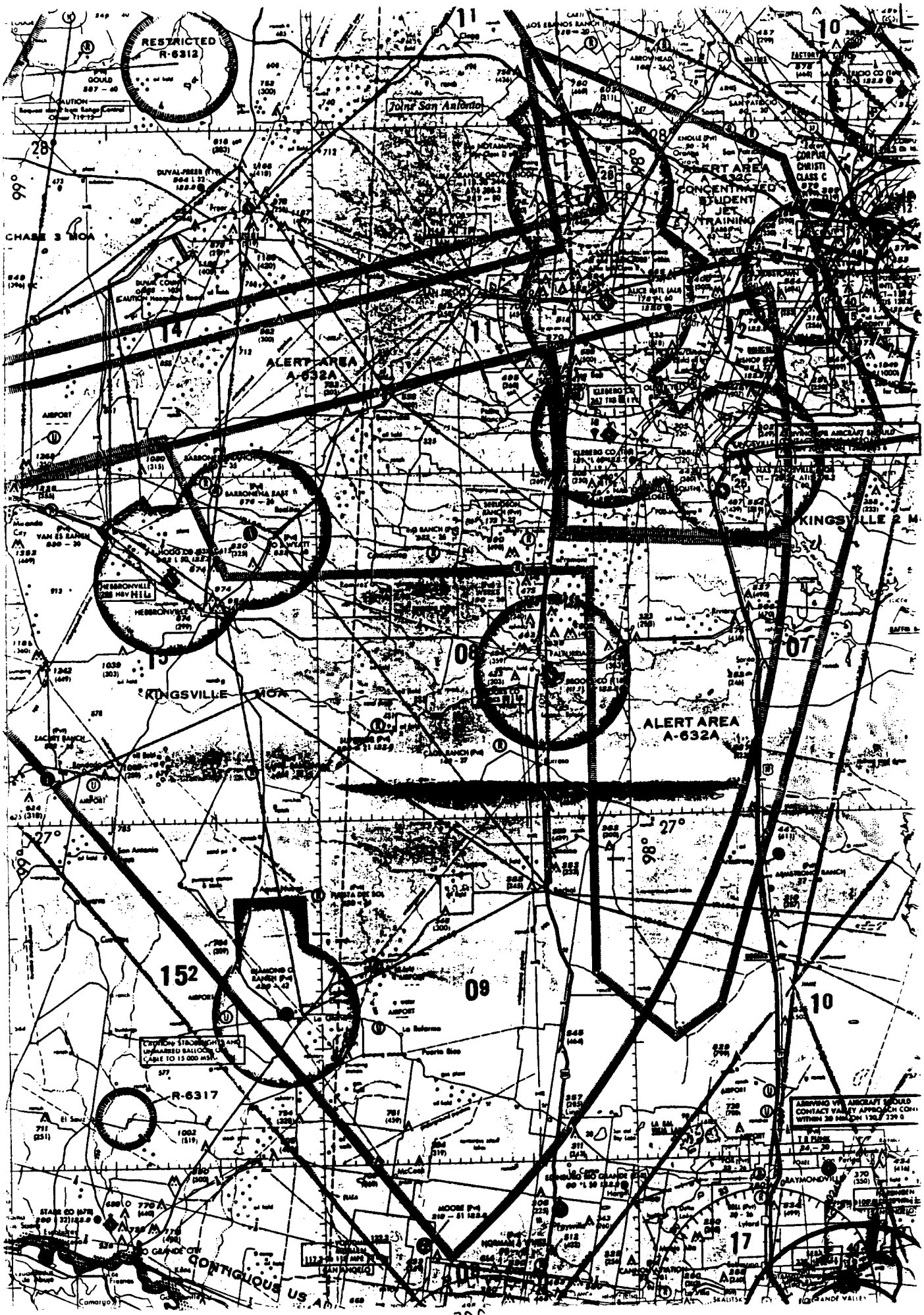

San Antonio Intl
Randolph AFB
Randolph AFB Aux
RANDOLPH
RNDLF 70
SEEDS
EAGLE LAKE
116.4 ELA 111
HUMBLE
116.6 IAH 113
Kelly AFB
SAN ANTONIO
116.8 SAT 115
PALACIOS
117.3 PSX 120
MONTGOMERY CO
Bay City Muni
AGGIT
(Arrow's Ranch) Pvt
THREE RIVERS
111.4 THX (L) 51
CRIMP
Calhoun Co
Palacios Muni
(Matagorda Peninsula) Pvt
(Pierce Fld) Pvt
FLAKY
CONTIGUOUS U.S. ADIZ
CORPUS CHRISTI
115.5 CRP 102
SAN ANGELO
Aransas Co
(Duval Co Ranch Company) Pvt
CONOR
382 CR
(Cuddihy Fld) Pvt
NOLF
Cabaniss Fld
NAS Corpus Christi/Truax Fld
NOLF Waldron Fld
NAS Kingsville
NAVY KINGSVILLE
NQI 125
W-228A
W-228B
W-228C
W-228D
ALLBA
LAREDO
117.4 LRD 121
(O S Wyatt) Pvt
(Corralitos) Pvt
(Zapata Co)
(El Coyote Ranch) Pvt
MEA-24000
MEA-31000
UNITED STATES
MEXICO
Falcon Dam
DEVOE
HOUSTON
MC ALLEN
117.2 MFE 119
SAN ANGELO
Edinburg Rio Grande Val'y Reg Freight Trml
(Moore) Pvt
SAN ANGELO 122.35
McAllen Miller Intl
Rio Grande Valley Intl
Port Isabel Cameron Co
SUTOL
CONTIGUOUS U.S. ADIZ
TO FL 600
GULF OF MEXICO HIGH CONTROL
Reynosa Intl
KANNA
Brownsville/South Padre Island Intl
DOTOR
REYNOSA
112.4 REX 71
MATAMOROS
114.3 MAM 90
General Sevando Canales
BROWNSVILLE
116.3 BRO 110
RADAS
CLONN
REPORT TO FAA RADIO PRIOR TO ENTERING ADIZ
Altimeter settings within Monterrey UIR ONE at or above FL 200
MEXICAN HIGH ALTITUD
AIRSPACE IS EFFECTIVE
AT FL 200 AND ABOV
CHINO
AGUAS
ELIXI
TIMAS
MEA-FL 280
UA634

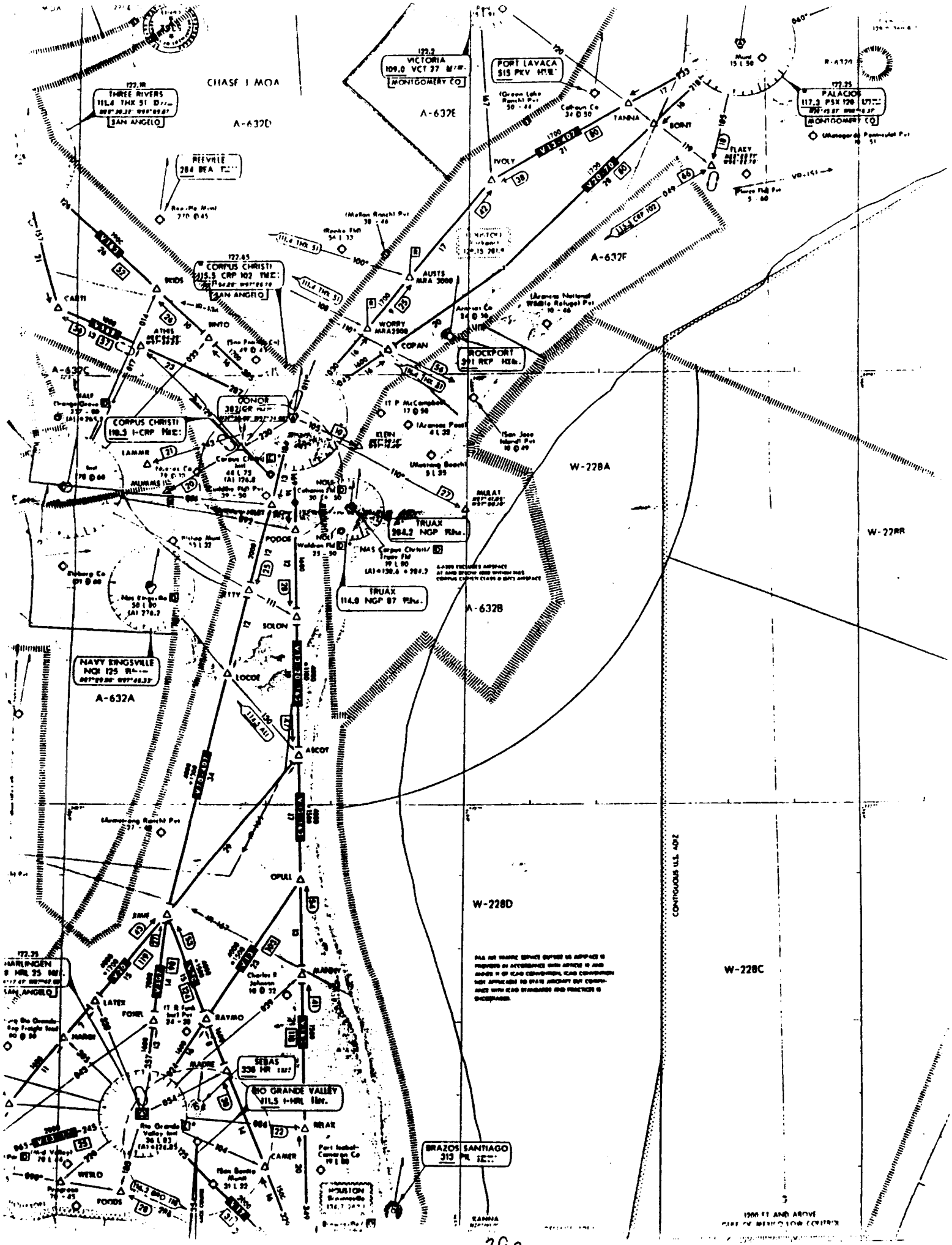

RANDOLPH 18 MOA
RANDOLPH IC MOA
CHASE 2 MOA
CHASE 1 MOA
A-632D
A-632E
A-632F
A-632C
A-632B
A-632A
VICTORIA
PORT LAVACA
THREE RIVERS
BEEVILLE
CORPUS CHRISTI
ROCKPORT
ALICE
TRIAX
NAVY KINGSVILLE
HARLINGEN
SEBAS
RIO GRANDE VALLEY
BRAZOS SANTIAGO
BROWNSVILLE/SOUTH PADRE ISLAND
PALACIOS
W-228A
W-228B
W-228C
W-228D
R-6320
CONTIGUOUS U.S. ADIZ
DEFENSE AREA
BROWNSVILLE
MATAMOROS

39c


RANDOLPH 2A MOA
RANDOLPH 1B MOA
RANDOLPH 1C MOA
CHASE 1 MOA
CHASE 3 MOA
KINGSVILLE 2 MOA
KINGSVILLE 1 MOA
A-632D
A-632E
A-632C
A-632A
R-6312
DEVINE
KELLY
PLEASANTON
COTULLA
THREE RIVERS
BEEVILLE
VICTORIA
CORPUS CHRISTI
ALICE
KLEBERG CO
HEBBRONVILLE
LAREDO
BROOKS CO
NAVY KINGSVILLE
TRUAX
HARLINGEN
McALLEN
MILLER INTL
REYNOSA
RIO GRANDE VALLEY
BROWNSVILLE/SOUTH PADRE ISLAND
SAN ANGELO
MONTGOMERY CO
HOUSTON
CONTIGUOUS U.S. ADIZ

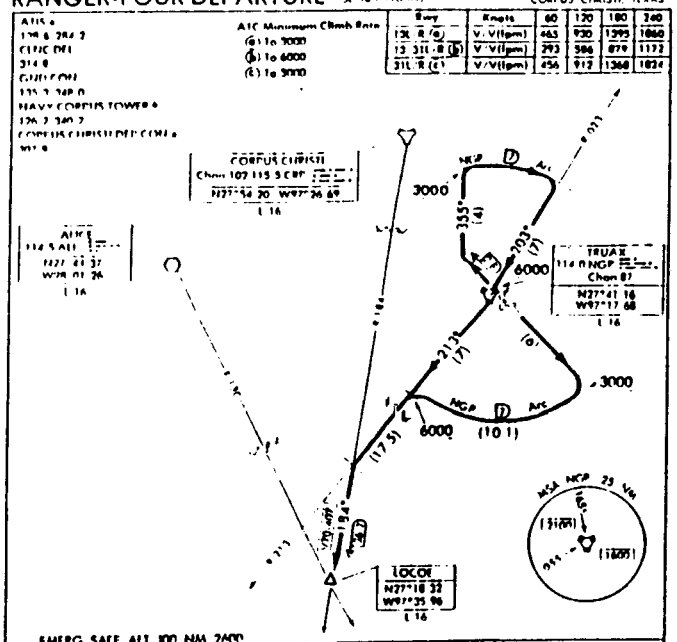

ALERT AREA
A-632C
CONCENTRATED
STUDENT
JET
TRAINING
CORPUS CHRISTI
CLASS C
07
04
WARNI
W-228
GULF OF MEXICO LOW CONTROL AREA
ALERT AREA
A-632B
CONCENTRATED STUDENT
PILOT TRAINING
KINGSVILLE
04
07
ALERT AREA
A-632A
27°
98°
97°
GULF
OF
MEXICO
06
10
17
12
WARNING
W-228 D
GULF OF MEXI
CONTROL


RESTRICTED
R-6312
Joint San Antonio
ALERT AREA
A-632C
CONCENTRATED
STUDENT
JET
TRAINING
CORPUS
CHRISTI
CLASS C
CHASE 3 MOA
ALERT AREA
A-632A
KINGSVILLE 2 M
KINGSVILLE MOA
ALERT AREA
A-632A
R-6317
CONTIGUOUS US


CHASE I MOA
A-632D
A-632E
A-632F
A-632C
A-632B
A-632A
W-228A
W-228B
W-228C
W-228D
THREE RIVERS
SAN ANGELO
REEVILE
CORPUS CHRISTI
VICTORIA
MONTGOMERY CO
PORT LAVACA
PALACIOS
ROCKPORT
DONOR
TRUAX
NAS Corpus Christi/Truax Fld
NAVY KINGSVILLE
SEBAS
RIO GRANDE VALLEY
BRAZOS SANTIAGO
HARLINGEN
CONTIGUOUS U.S. ADIZ
1200 FT AND ABOVE

RANGER-FOUR DEPARTURE

CORPUS CHRISTI NAS (TRUAX FLD)
CORPUS CHRISTI, TEXAS



Rwy	Knots	60	120	180	240
13L R (6)	V/V(fpm)	465	930	1395	1860
13 31L R (5)	V/V(fpm)	293	586	879	1172
31L R (4)	V/V(fpm)	456	912	1368	1824

A/C Minimum Climb Rate
(6) to 9000
(5) to 6000
(4) to 3000

EMERG SAFE ALT 100 NM 2600

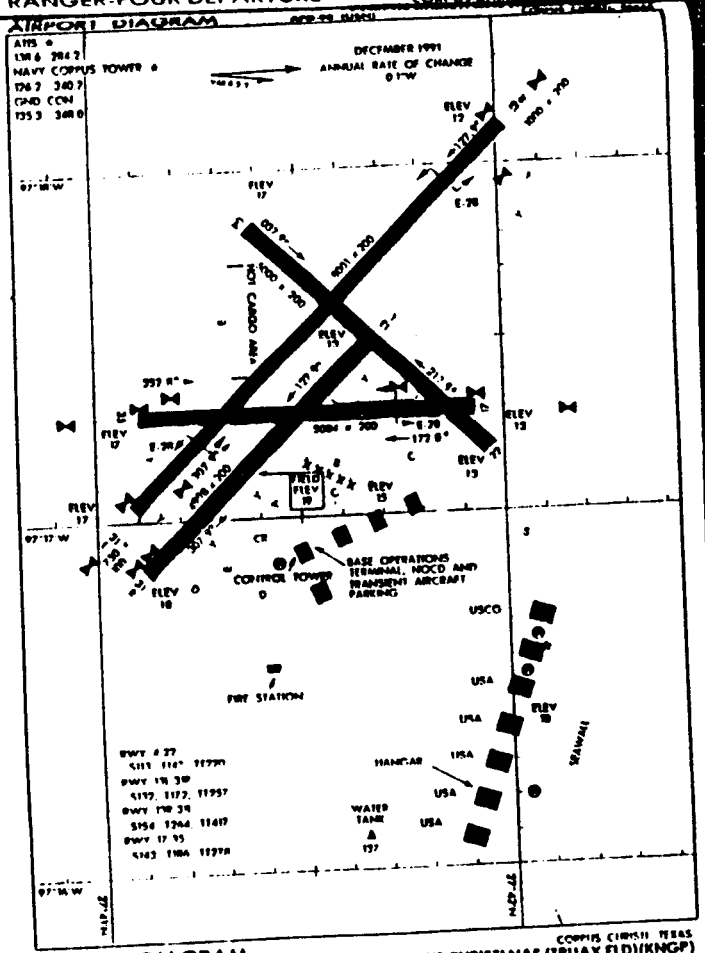
DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 13L/R: Fly runway heading to join and arc S on the 7 mile arc to join and fly NGP R-213 to join and fly CRP R-184 to LOCOE (ALI R-130 CRP R-184 36.7 DME). Join 7 mile arc at 3000 minimum, join NGP R-213 at 6000 minimum.

TAKE-OFF RWY 31L/R: Fly runway heading to the 2.8 DME, turn right heading 355° to join and arc N on the 7 mile arc to join and fly NGP R-073 to NGP. NGP R-213 to join and fly CRP R-184 to LOCOE. Join 7 mile arc at 3000 minimum, cross NGP at 6000 minimum.

RANGER-FOUR DEPARTURE

AIRPORT DIAGRAM

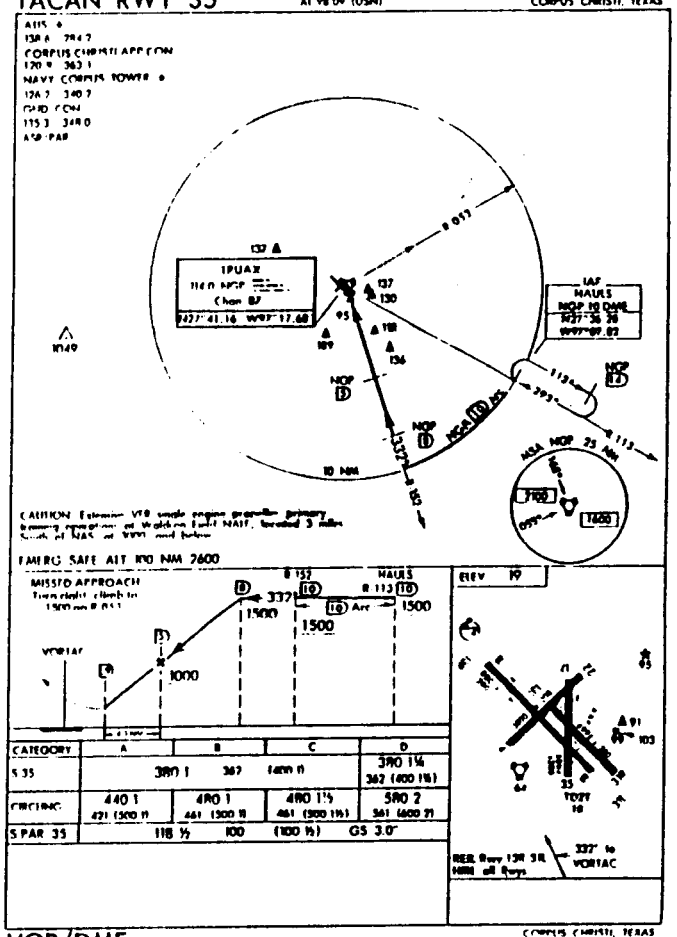


AIRPORT DIAGRAM

CORPUS CHRISTI, TEXAS
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)

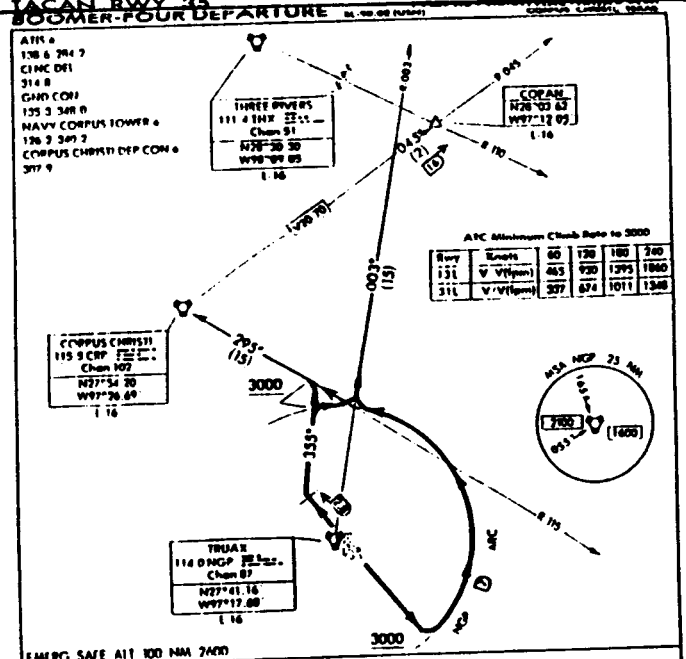
VOR/DME or TACAN RWY 35

100 CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS



VOR/DME or TACAN RWY 35 BOOMER-FOUR DEPARTURE

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 13L/R: Fly runway heading to join and arc E on the 7 mile arc to the _____ Transition. Join the 7 mile arc at 3000 minimum.

TAKE-OFF RWY 31L/R: Fly runway heading to the 2.8 DME, turn right heading 355° to the _____ Transition. Join 7 mile arc or CRP R-115 at 3000 minimum.

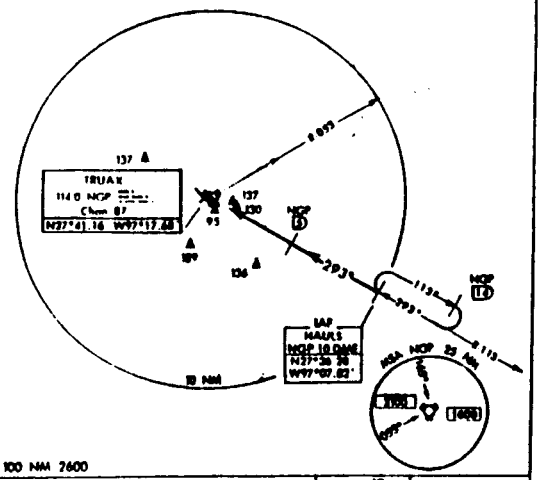
COPAN TRANSITION: Arc N on the 7 mile arc to the NGP R-003 to CRP R-045 to COPAN

CORPUS CHRISTI TRANSITION: Fly CRP R-115 to CRP

VOR/DME 1 or TACAN 1 RWY 31L

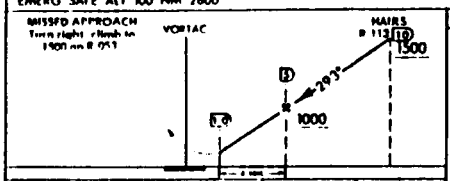
98 CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
AL 98.07 (USN) CORPUS CHRISTI, TEXAS

ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR/PAR

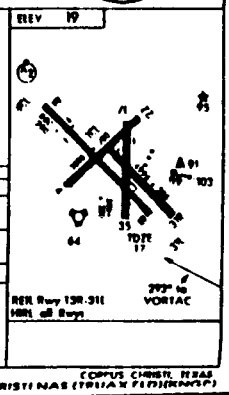


EMERG SAFE ALT 100 NM 2600

MISSED APPROACH
Turn right climb to 1500 on R 113



ELEV 19

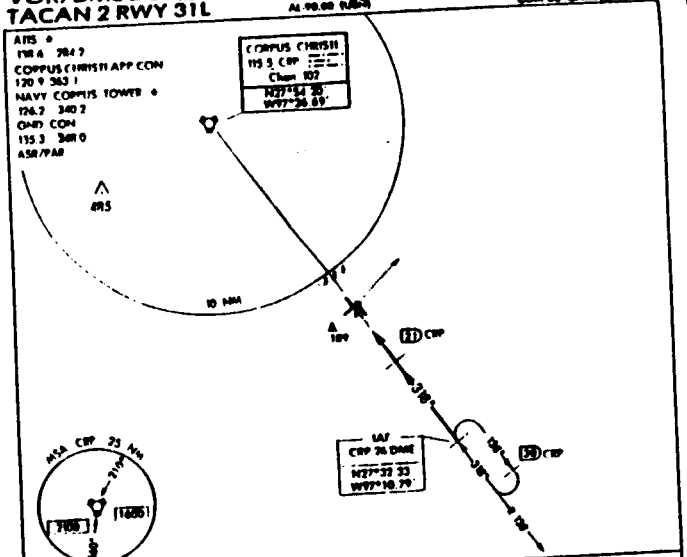


CATEGORY	A	B	C	D
S-31L	380-1	363	(400-1)	380-1¼ 363 (400-1¼)
CIRCLING	440-1 471 (500-1)	480-1 461 (500-1)	480-1½ 461 (500-1½)	580-2 561 (600-2)
S-PAR 31L	117-½	100	(100-½)	GS 3.0°

VOR/DME 1 or TACAN 1 RWY 31L
VOR/DME 2 or TACAN 2 RWY 31L

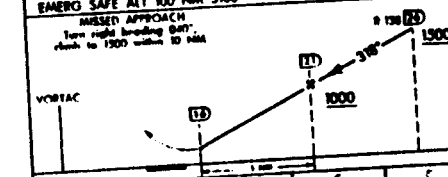
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
AL 98.07 (USN) CORPUS CHRISTI, TEXAS

ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR/PAR

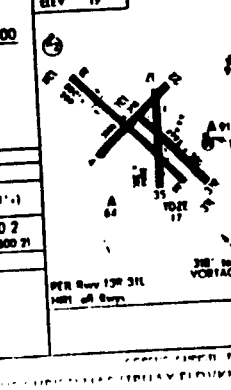


EMERG SAFE ALT 100 NM 3100

MISSED APPROACH
Turn right heading 040°, climb to 1500 within 10 NM



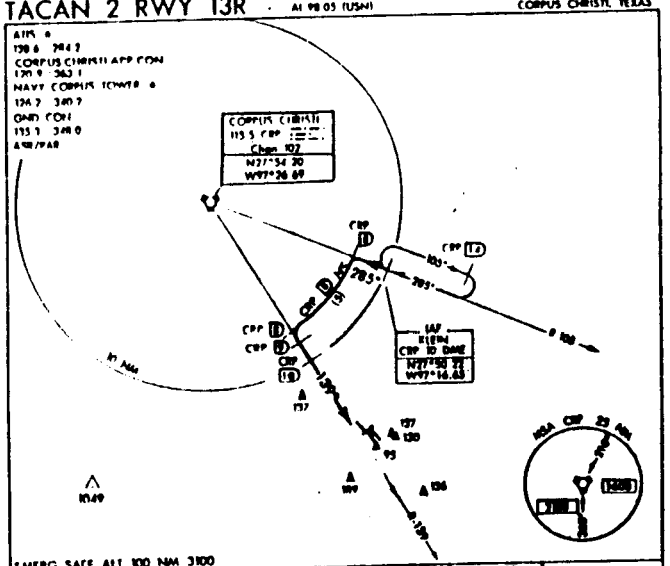
ELEV 19



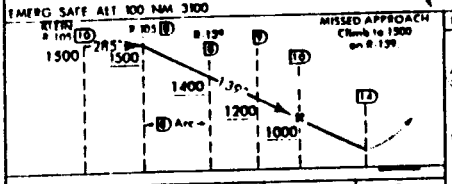
CATEGORY	A	B	C	C
S-31L	440-1 472 (500-1)		440-1¼ 472 (500-1¼)	
CIRCLING	440-1 471 (500-1)	480-1 461 (500-1)	480-1½ 461 (500-1½)	580-2 561 (600-2)
S-PAR 31L	117-½	100	(100-½)	GS 3.0°

VOR/DME or TACAN 2 RWY 13R

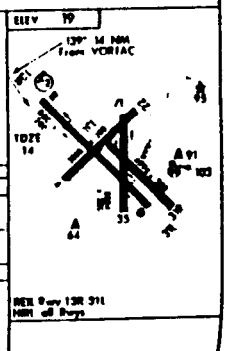
96 CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS



EMERG SAFE ALT 100 NM 3100



ELEV 19

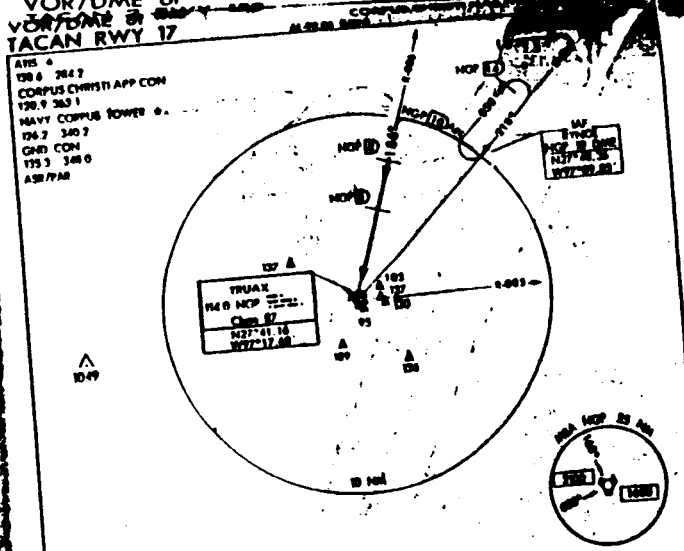


CATEGORY	A	B	C	D
S-19*	380-1 (400-1)	344 (400-1)		380-1 366 (400-1)
CIRCLING	440 1 471 (500 1)	480 1 461 (500 1)	480 1½ 461 (500 1½)	580 2 561 (600 2)
SPAR 13R*	114/16	100	(100 ½)	GS 3.0°

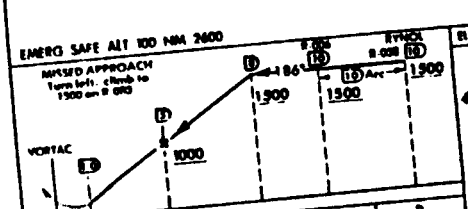
*When ALS inop, increase vis ½ mile.

PER Rwy 13R STL
HIRL all Rwys

VOR/DME or TACAN RWY 17



EMERG SAFE ALT 100 NM 2600



ELEV 19

CATEGORY	A	B	C	D
S-17	360 1	342	(400 1)	360 1½ 342 (400 1½)
CIRCLING	440 1 471 (500 1)	480 1 461 (500 1)	480 1½ 461 (500 1½)	580 2 561 (600 2)
SPAR 17	118 ½	100	(100 ½)	GS 3.0°

PER Rwy 13R STL
HIRL all Rwys

CORPUS CHRISTI, TEXAS
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)

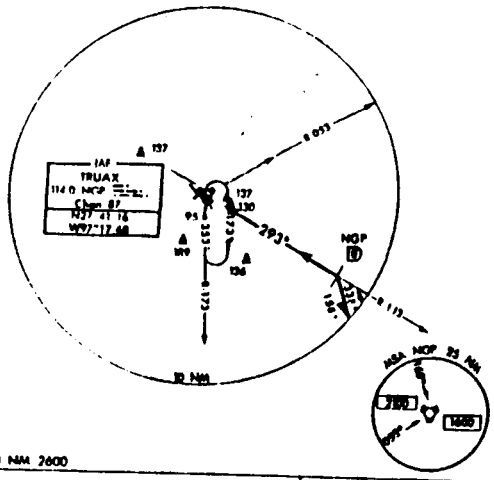
39k

VOR or VOR/DME 3 RWY 31L

94

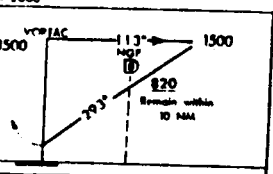
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR/PAR

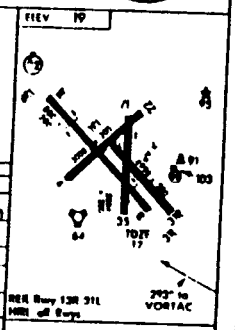


EMERG SAFE ALT 100 NM 2600

MISSED APPROACH
Turn right, climb to 1500 on 0.05



ELEV 19



RER Rwy 13R 31L
HIRL all Rwys

CATEGORY	A	B	C	D
S-31L	820-1 903 (900-1)	820-1½ 903 (900-1½)	820-2½ 903 (900-2½)	820-2¾ 903 (900-2¾)
CIRCLING	820-1 801 (900-1)	820-1½ 801 (900-1½)	820-2½ 801 (900-2½)	820-2¾ 801 (900-2¾)

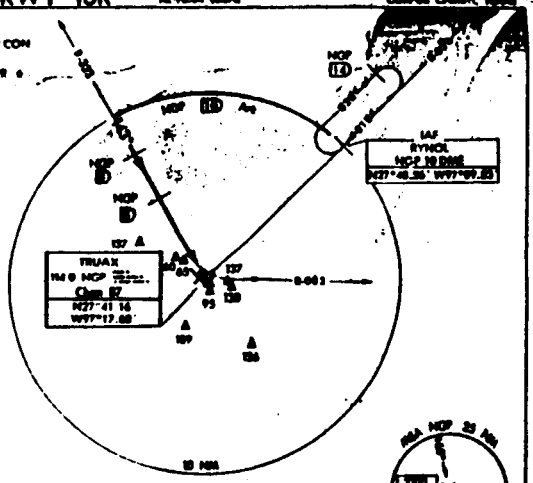
*VOR/DME Minima

S-31L*	400-1 383 (400-1)			400-1½ 383 (400-1½)
CIRCLING*	440-1 421 (500-1)	480-1 461 (500-1)	480-1½ 461 (500-1½)	580-2 561 (600-2)
S-PAR 31L	117-½	100	(100-½)	GS 3.0°

VOR or VOR/DME or TACAN 1 RWY 13R

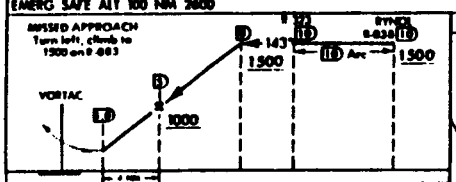
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR/PAR

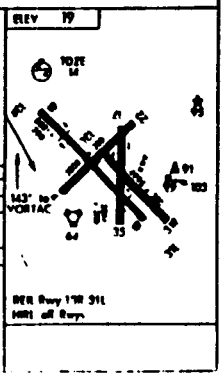


EMERG SAFE ALT 100 NM 2600

MISSED APPROACH
Turn left, climb to 1500 on 0.083



ELEV 19



RER Rwy 13R 31L
HIRL all Rwys

CATEGORY	A	B	C	D
S-13R*	320-½ 306 (400-½)			
CIRCLING	440-1 421 (500-1)	480-1 461 (500-1)	480-1½ 461 (500-1½)	580-2 561 (600-2)
S-PAR 13R*	114/16	100	(100-½)	GS 3.0

* When ALS inop, increase vis ½ mile.

NDB (UHF) or NDB (UHF)/DME RWY 31L

92

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

ATIS 6
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER 4
GND CON
ASR/PAR

CORPUS CHRISTI
Chan 103
N27°54.30
W97°26.67

TRAUX
114.0 NGP
Chan 87
N27°41.16
W97°17.68

IAF
TRAUX
284.2 NGP
N27°41.49
W97°16.91

NGP

10 NM

FEDERAL FACILITIES

ENROUTE FACILITIES

EMERG SAFE ALT 100 NM 7600

MISSED APPROACH
Turn right climb to 2500 direct to KLEEN (1500) if directed.

NDB VORTAC
1500
148°
1500
NGP
328°
880
Remain within 10 NM

ELEV 19

CATEGORY	A	B	C	D
S-31L	880-1 863 (900-1)	880-1¼ 863 (900-1¼)	880-2¼ 863 (900-2¼)	880-2¾ 863 (900-2¾)
CIRCLING	880-1 861 (900-1)	880-1¼ 861 (900-1¼)	880-2¼ 861 (900-2¼)	880-2¾ 861 (900-2¾)

*With Step-down Fix

S-31L*	440-1 423 (500-1)		440-1¼ 423 (500-1¼)	
CIRCLING*	440-1 421 (500-1)	480-1 461 (500-1)	480-1¼ 461 (500-1¼)	580-2 561 (600-2)
S-PAR 31L	117-½ 100 (100-½) GS 3.0°			

Final course crosses extn Rwy centerline 4700' prior to threshold.

PER Rwy 13R 31L
HIRL all Rwys

NDB (UHF) or VOR or VOR/NDB RWY 13R

ATIS 6
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER 4
GND CON
ASR/PAR

CONOR
N27°50.66
W97°34.38

ALTA VISTA INT

IAF
TRAUX
114.0 NGP
Chan 87
N27°41.16
W97°17.68

10 NM

*Minima if ALTA VISTA INT received
**When ALS inop increase vis ½ mile

ENROUTE FACILITIES

EMERG SAFE ALT 100 NM 7600

MISSED APPROACH
Turn left, climb to 1500 on R 003

VORTAC
1500
323°
1500
143°
ALTA VISTA INT
780
Remain within 10 NM

ELEV 19

CATEGORY	A	B	C	D
S-13R**	780-½ 766 (800-½)	780-1 766 (800-1)	780-2 766 (800-2)	780-2¼ 766 (800-2¼)
CIRCLING**	780-1 761 (800-1)	780-1¼ 761 (800-1¼)	780-2¼ 761 (800-2¼)	780-2½ 761 (800-2½)

*VOR/NDB Minima

S-13R*	440-½ 426 (500-½)		440-1 426 (500-1)	
CIRCLING*	440-1 421 (500-1)	480-1 461 (500-1)	480-1¼ 461 (500-1¼)	580-2 561 (600-2)
S-PAR 13R	114/16 100 (100-½) GS 3.0°			

PER Rwy 13R 31L
HIRL all Rwys

VOR or VOR/NDB RWY 13R

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

39m

RADAR INSTRUMENT APPROACH MINIMUMS

CORPUS CHRISTI NAS, TX (1 APR 93 USN)

ELEV 19

RADAR - (E) 6835 134.1 270.8 278.8 337.2 354.8 380.8

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HAA	CEIL-VIS
PAR ⓔ	13R ⓒ	3.0°/40/783	ABCDE	114/16	100	(100-¼)
	17	3.0°/43/778	ABCDE	118-½	100	(100-½)
	31L	3.0°/41/798	ABCDE	117-½	100	(100-½)
	31R	3.0°/36/682	ABCDE	119-½	100	(100-½)
	35	3.0°/44/813	ABCDE	118-½	100	(100-½)
SIDESTEP ⓓ 13L ⓑ			AB	800-2	787	(800-2)
			C	800-2¼	787	(800-2¼)
			D	800-2½	787	(800-2½)
			E	800-2¾	787	(800-2¾)
SIDESTEP ⓓ 31L ⓑ			AB	800-2	783	(800-2)
			C	800-2¼	783	(800-2¼)
			D	800-2½	783	(800-2½)
			E	800-2¾	783	(800-2¾)
	31R ⓑ		ABCDE	800-2	781	(800-2)
ASR	13R ⓒ		ABC	400-¾	386	(400-¾)
			DE	400-1	386	(400-1)
	17		ABC	360-1	342	(400-1)
			DE	360-1¼	342	(400-1¼)
	31L		ABC	400-1	383	(400-1)
			DE	400-1¼	383	(400-1¼)
	31R		ABC	400-1	381	(400-1)
			DE	400-1¼	381	(400-1¼)
	35		AB	440-1	422	(500-1)
			CD	440-1¼	422	(500-1¼)
			E	440-1½	422	(500-1½)
	4		AB	440-1	423	(500-1)
			CD	440-1¼	423	(500-1¼)
			E	440-1½	423	(500-1½)
SIDESTEP ⓓ 13L			AB	800-2	781	(800-2)
			C	800-2¼	781	(800-2¼)
			D	800-2½	781	(800-2½)
			E	800-2¾	781	(800-2¾)
SIDESTEP ⓓ 31L ⓑ			AB	800-2	783	(800-2)
			C	800-2¼	783	(800-2¼)
			D	800-2½	783	(800-2½)
			E	800-2¾	783	(800-2¾)
SIDESTEP ⓓ 31R ⓑ			AB	800-2	783	(800-2)
			C	800-2¼	783	(800-2¼)
			D	800-2½	783	(800-2½)
			E	800-2¾	783	(800-2¾)
CIR	4,13R,13L,17		A	440-1	421	(500-1)
	22,31L,31R,35		B	480-1	461	(500-1)
			C	480-1½	461	(500-1½)
			DE	880-2	561	(600-2)

ⓔ PAR preventive maint Mon Fri 1100-1300Z + +, exc 1st and 3rd Wed of month 1000-1300Z + +. ⓑ Sidestep not auth ill 2NM fr RWY on final apch. ⓒ When ALS inop increase S-VIS ¼ mile. ⓓ Circling not authorized from Sidestep apch.

RADAR INSTRUMENT APPROACH MINIMUMS

RADAR INSTRUMENT APPROACH MINIMUMS

DALLAS LOVE FIELD, TX (29 OCT 81 FAA)

ELEV 487

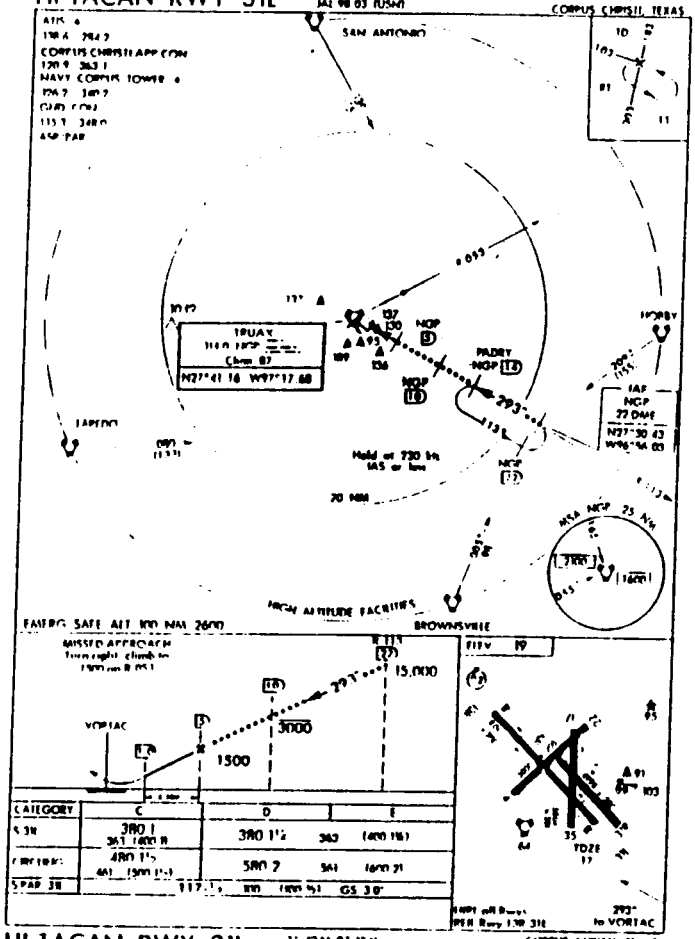
RADAR - (V) 119.4 125.8 128.5 290.3 307.2 ▼ ▲

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HAA	CEIL-VIS
ASR	13L		AB	900/24	415	(500-½)
			C	900/40	415	(500-¾)
			[illegible]	[illegible]	415	(500-1)

39n

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

III TACAN RWY 31L

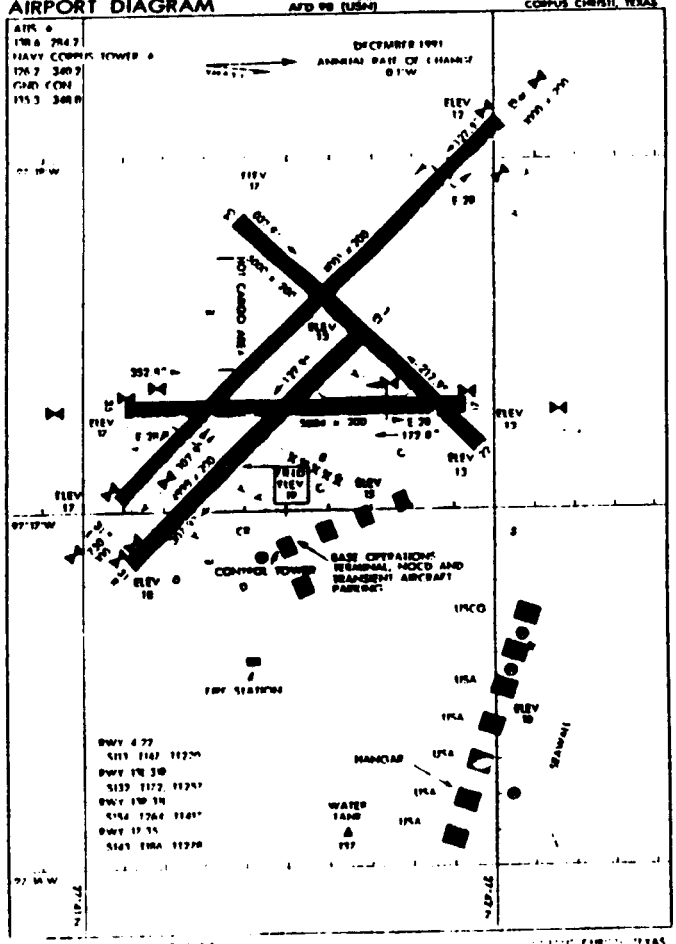


III TACAN RWY 31L

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

AIRPORT DIAGRAM

CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS



AIRPORT DIAGRAM

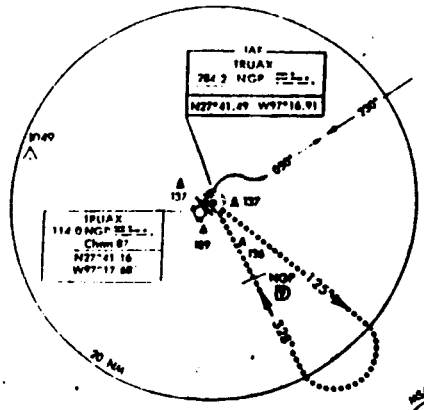
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

HI-NDB (UHF) or NDB/DME RWY 31L

97261

70 CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
JAI 98 04 (USN) CORPUS CHRISTI, TEXAS

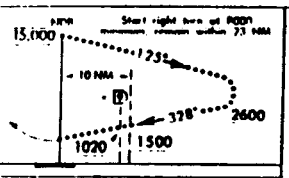
ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR PAR



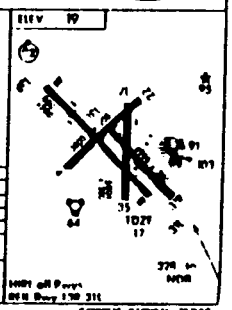
Final course crosses Rwy centerline 4700' from threshold.

FMERG SAFE ALT 100 NM 2600

MISSED APPROACH
Turn right climb to 1500 on 050 bearing from NDB



ELEV 19



CATEGORY	C	D	E
S-31L	520-1	1500	1600-2
CIRCLING	520-1	1501	1600-2

With Step Down Fix

S-31L*	640-1¼ 673 (700-1¼)	640-2 673 (700-2)	640-2¼ 673 (700-2¼)
CIRCLING*	640-1¼ 673 (700-1¼)	640-2 673 (700-2)	640-2¼ 673 (700-2¼)
S-PAR 31L	117-½	100	(100-½) 05 3.0°

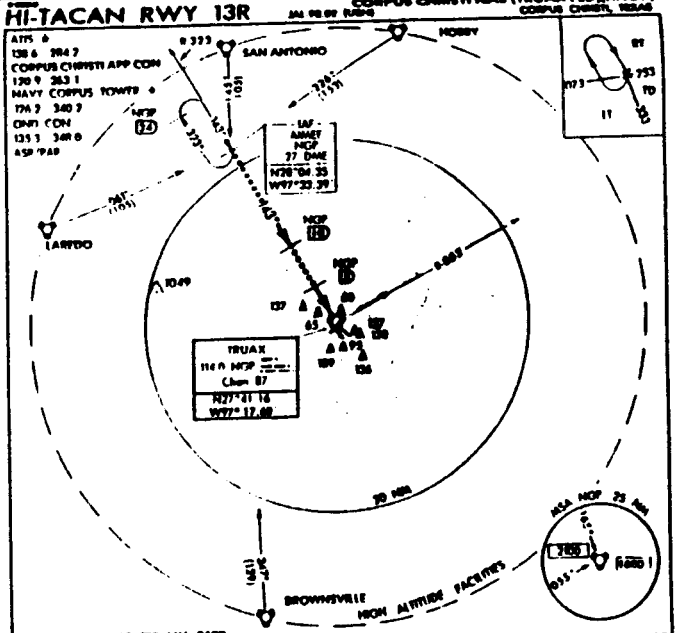
HI-NDB (UHF) or NDB/DME RWY 31R

HI-TACAN RWY 13R

JAI 98 09 (USN)

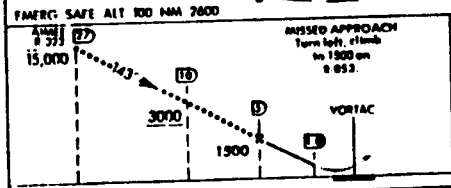
CORPUS CHRISTI NAS (TRUAX FLD)(KNGP)
CORPUS CHRISTI, TEXAS

ATIS
CORPUS CHRISTI APP CON
NAVY CORPUS TOWER
GND CON
ASR PAR

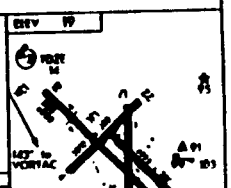


FMERG SAFE ALT 100 NM 2600

MISSED APPROACH
Turn left, climb to 1500 on 0 053.



ELEV 19



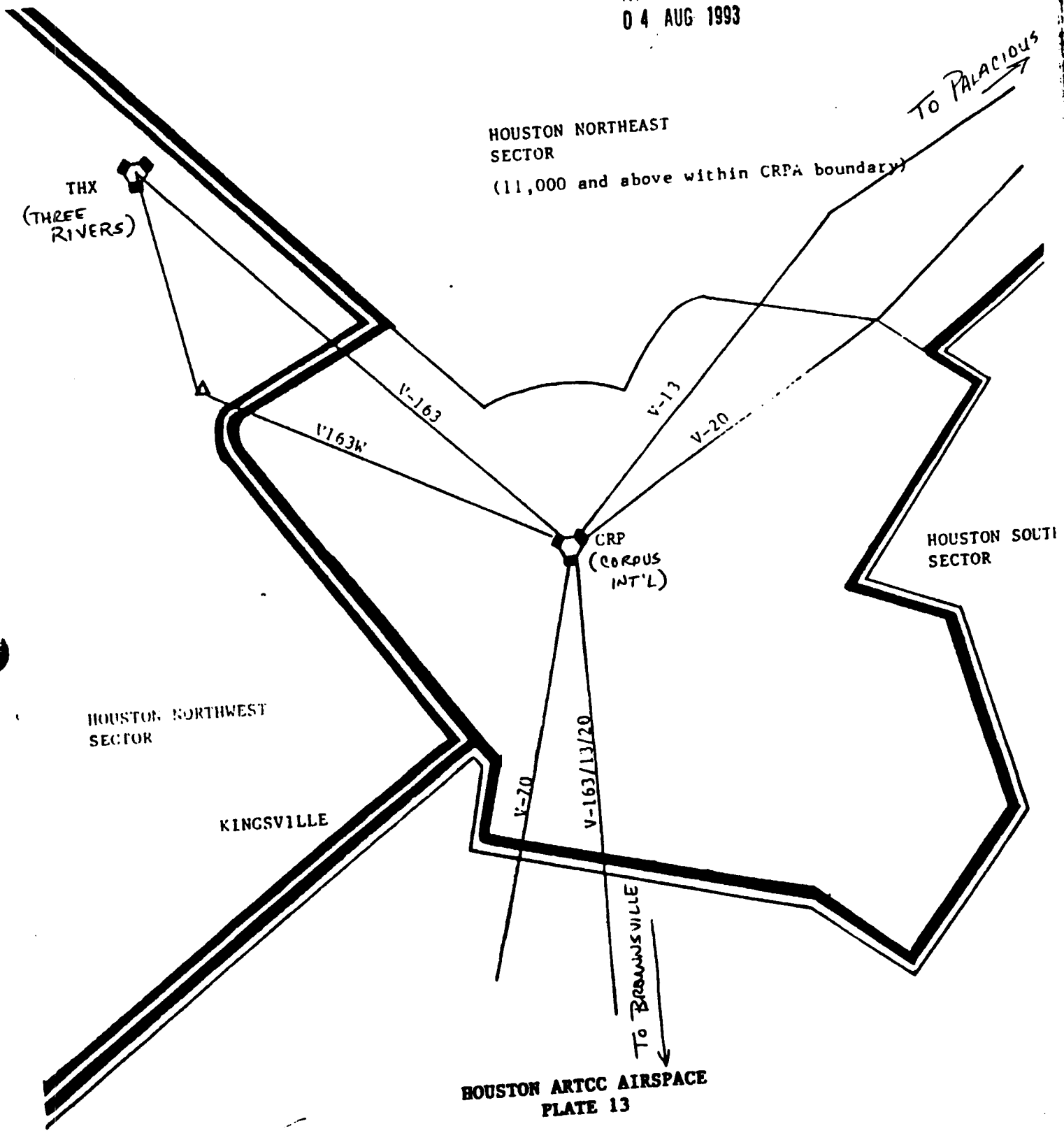
CATEGORY	C	D	E
S-31R	520-½	300	(400-½)
CIRCLING	480-1¼ 461 (500-1¼)	580-2 561	1600-2
S-PAR 31R	114-14	100	05 3.0

When ATC tower inoperative 1½ mile

39p

#3

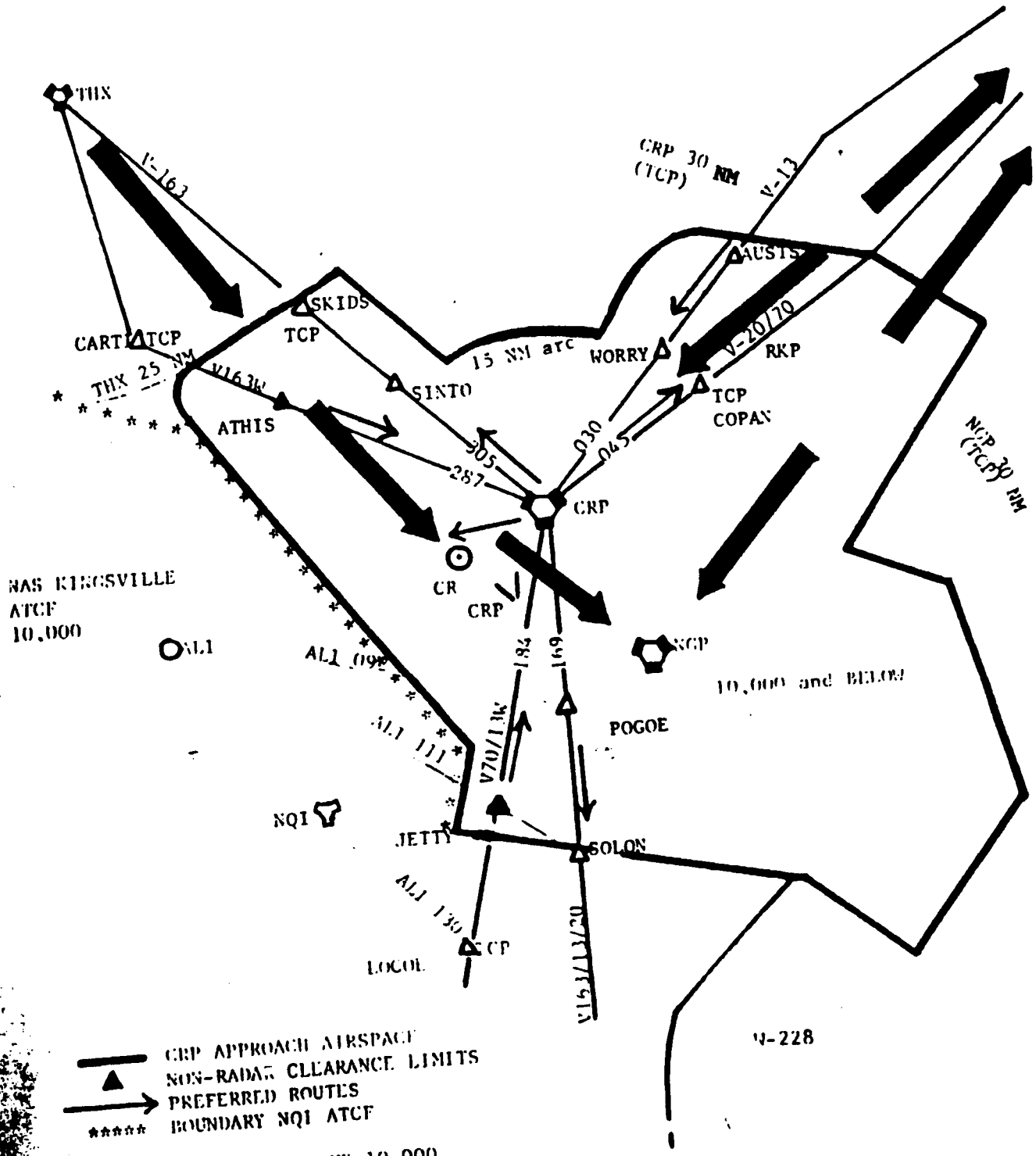
NASCORPCINST 3710.28
04 AUG 1993



HOUSTON ARTCC AIRSPACE
PLATE 13

#3

NASCORPCINST 3710.28
04 AUG 1993



CORPUS CHRISTI APPROACH CONTROL AIRSPACE/AIRWAYS/PDR'S

39

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT)

2 CHATRA N3 5-18-94

15. Are there planned changes to the major air traffic structures (routes, terminal control areas, approaches, etc.) in the region? If so, will these changes affect installation operations. Describe the effect.
~~No~~ yes. ILS AT NAS Corpus Christi (FY95) and ILS PAR AT NALF Orange Grove (Aug'94) will be installed. These two changes will not affect airfield capacities but will allow ILS approaches to be conducted at home field.

16. Does the current system of air traffic control (ATC) routes limit aircraft flights between the installation and all associated training areas? If so, describe these limitations.
No

17. Does the installation experience any ATC delays on a regular basis? If so, describe the recurring causes for these delays and give the average duration.
No

18. Are there any air traffic control constraints/procedures listed in the current Air Ops manual/AICUZ study that currently, or may in the future, limit installation operations?
No

19. Does the current airspace which you schedule/control permit advanced fighter training? If not, explain why.
Yes

20. Is there airspace within 50 NM which permits advanced fighter training?
Yes

21. Does the current airspace configuration permit advanced helicopter training? If not, explain why.
Yes

22. Does the airspace configuration prohibit other types of undergraduate pilot training? If so, explain why.
No

23. For each syllabus of undergraduate pilot and/or NFO/Navigator flight training, state whether you require any specific terrain feature or overwater access for training.

Syllabus of Training *	Terrain Feature or Overwater Requirement
Advanced Maritime	**1 Overwater Training Flight (Rigging Procedures)**

* USE APPROPRIATE NAVY, AIR FORCE, OR ARMY SYLLABUS OF TRAINING LIST

FACILITIES (CONT.)

A. AIR SPACE AND FLIGHT TRAINING AREAS (CONT)

15. Are there planned changes to the major air traffic structures (routes, terminal control areas, approaches, etc.) in the region? If so, will these changes affect installation operations. Describe the effect.
No

16. Does the current system of air traffic control (ATC) routes limit aircraft flights between the installation and all associated training areas? If so, describe these limitations.
No

17. Does the installation experience any ATC delays on a regular basis? If so, describe the recurring causes for these delays and give the average duration.
No

18. Are there any air traffic control constraints/procedures listed in the current Air Ops manual/AICUZ study that currently, or may in the future, limit installation operations?
No

19. Does the current airspace which you schedule/control permit advanced fighter training? If not, explain why.
Yes

20. Is there airspace within 50 NM which permits advanced fighter training?
Yes

21. Does the current airspace configuration permit advanced helicopter training? If not, explain why.
Yes

22. Does the airspace configuration prohibit other types of undergraduate pilot training? If so, explain why.
No

23. For each syllabus of undergraduate pilot and/or NFO/Navigator flight training, state whether you require any specific terrain feature or overwater access for training.

Syllabus of Training *	Terrain Feature or Overwater Requirement
Advanced Maritime	**1 Overwater Training Flight (Rigging Procedures)**

* USE APPROPRIATE NAVY, AIR FORCE, OR ARMY SYLLABUS OF TRAINING LIST

FACILITIES (CONT.)

B. Airfields

1. For the main airfield(s) and each auxiliary and outlying field/staging base, provide the following data

AIRFIELD NAME: NAS, CORPUS CHRISTI, TX

a. Location (city/county and state and latitude and longitude) - **Corpus Christi, Nueces, TX 27 42'N - 97 17'W**
b. Distance from main field: **N/A**
c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? - **No**
d. Does the airfield have parallel or dual offset runways? - **13L/R are dual runways**
- If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? **No**
e. Does the airfield have full-length parallel taxiways? - **Yes**
f. Does the airfield have high speed taxiways? - **No**
g. Does the airfield have a crosswind runway? - **Yes**
h. If conditions force the use of this runway, does the airfield lose flight ops capacity? - **Yes**
i. How much capacity is lost? - **Approximately 30%**
j. What percent of the time do conditions force the crosswind runway to be used? - **18%**
k. Is the airfield equipped to support IFR flight operations? - **Yes**
l. Is the airfield owned by your service or leased? - **Owned by Navy**
m. Discuss any runway design features that are specific to particular types of training aircraft (e.g., are the airfield facilities designed primarily for helo, prop or jet training aircraft). - **Airfield is suitable for all undergraduate pilot training aircraft. Only runway 13R/31L is suitable for A-4, T-38, and T-1 trainers.**

FACILITIES (CONT.)

R

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

2. For the category codes listed below, most installations will need to conduct an in-house survey to accurately capture the condition of these facilities. This survey is required because, in most cases, Real Property Records lump all pavements and utility distribution systems under one facility number. The condition of these facilities is determined by the predominant condition of the entire system. This does not accurately indicate the true condition of the entire system and, therefore, necessitates a survey so you can report the percent of the system that is Adquate/Permanent, Substandard/Semi-Permanent and Inadequate/Temporary. When the bases do these surveys, it is vitally important they be auditable. Bases should have hard documentation to show exactly how they arrived at condition codes for each segment of the category codes listed below.

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
111	Airfield Pavement-Runways (Do not include shoulders or overruns)	SY	**724,665**	**724,665**		
112	Airfield Pavements-Taxiways (Do not include shoulders)	SY	**376,884**	**376,884**		
113	Airfield Pavements-Aprons (Do not include shoulders)	SY	**675,459**		**675,459**	
116-662	Dangerous Cargo Area	SY	**545,415**	**545,415**		
812	Elec Power-Trans & Distr Lines (Overhead & U/G, Pri & Sec Lines) (Do not include 812-921, 812-926 and 812-928)	LF	**1,287,920**	**1,287,920**		

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

2. For the category codes listed below, most installations will need to conduct an in-house survey to accurately capture the condition of these facilities. This survey is required because, in most cases, Real Property Records lump all pavements and utility distribution systems under one facility number. The condition of these facilities is determined by the predominant condition of the entire system. This does not accurately indicate the true condition of the entire system and, therefore, necessitates a survey so you can report the percent of the system that is Adquate/Permanent, Substandard/Semi-Permanent and Inadequate/Temporary. When the bases do these surveys, it is vitally important they be auditable. Bases should have hard documentation to show exactly how they arrived at condition codes for each segment of the category codes listed below.

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
111	Airfield Pavement-Runways (Do not include shoulders or overruns)	SY	**724,665**	**724,665**		
112	Airfield Pavements-Taxiways (Do not include shoulders)	SY	**376,884**	**376,884**		
113	Airfield Pavements-Aprons (Do not include shoulders)	SY	**633,671**		**633,671**	
116-662	Dangerous Cargo Area	SY	**545,415**	**545,415**		
812	Elec Power-Trans & Distr Lines (Overhead & U/G, Pri & Sec Lines) (Do not include 812-921, 812-926 and 812-928)	LF	**1,287,920**	**1,287,920**		

R

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
822	Heat-Trans & Distr Lines (Do not include 822-248 and 822-268)	LF	**48,250**	**48,250**		
832	Sewage and Industrial Waste-Collection (Mains) (Do not include 832-267)	LF	**233,491**	**233,491**		
842	Water-Distr Sys-Potable (Do not include 842-246 and 842-249)	LF	**300,716***	**300,716**		
843	Water-Fire Protection (Mains) (Do not include 843-315, 843-316 and 843-319)	LF	**300,716***	**300,716**		
851	Roads (Do not include 851-142 and 851-143)	SY	**700,474**	**648,049**	**52,425**	
852	Veh/Equip Parking (Do not include 852-282, 852-287 and 852-289)	SY	**335,636**	**315,586**	**20,050**	

***Potable water distribution lines and fire protection mains are one and the same.**

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
822	Heat-Trans & Distr Lines (Do not include 822-248 and 822-268)	LF	**117,538**	**117,538**		
832	Sewage and Industrial Waste-Collection (Mains) (Do not include 832-267)	LF	**234,766**	**234,766**		
842	Water-Distr Sys-Potable (Do not include 842-246 and 842-249)	LF	**300,716***	**300,716**		
843	Water-Fire Protection (Mains) (Do not include 843-315, 843-316 and 843-319)	LF	**300,716***	**300,716**		
851	Roads (Do not include 851-142 and 851-143)	SY	**700,474**	**630,427**	**70,047**	
852	Veh/Equip Parking (Do not include 852-282, 852-287 and 852-289)	SY	**325,849**	**315,586**	**10,263**	

***Potable water distribution lines and fire protection mains are one and the same.**

R

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

3. List the major facility assets (using your service specific list by 5 digit category code number (CCN)) under installation control (e.g., runway, parking apron, hangars, terminal, administrative spaces) and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Ade-quate/Perma nent	Substan-dard/Semi-Permanent	Inade-quate/Tem porary	
111-10	**Runways**	**SY**	**724,665**			
112-10	**Taxiways**	**SY**	**376,884**			
211-XX	**Hangars**	**SF**	**1,854,292**	**95,386**	**29,309**	R
610-XX	**Administrative**	**SF**	**348,490**	**141,173**	**9,002**	R
113-20	**Aircraft Parking**	**SY**		**633,671**		

R 4. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information: **N/A**

a. Facility Type/Code: **211-03**
b. What makes it inadequate/temporary? **A02/A04/C40**
c. What use is being made of the facility? **211-03**
d. What is the cost to upgrade the facility to substandard/semi-permanent? **$6.1M**
e. What other use could be made of the facility and at what cost? **211-5/$500K Clean up and demo**
f. Current improvement plans and programmed funding: **MILCON P-256/$6.1M**
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP? **C3**

a. Facility Type/Code: **610-77**
b. What makes it inadequate/temporary? **F30**
c. What use is being made of the facility? **610-77**
d. What is the cost to upgrade the facility to substandard/semi-permanent? **$584K**
e. What other use could be made of the facility and at what cost? **600-XX/$584K**
f. Current improvement plans and programmed funding: **SP# R6-87/$584k**
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP? **No**

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NAS CORPUS CHRISTI**

3. List the major facility assets (using your service specific list by 5 digit category code number (CCN)) under installation control (e.g., runway, parking apron, hangars, terminal, administrative spaces) and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Ade-quate/Perma nent	Substan-dard/Semi-Permanent	Inade-quate/Tem porary
111-10	**Runways**	**SY**	**724,665**		
112-10	**Taxiways**	**SY**	**376,884**		
211-XX	**Hangars**	**SF**	**1,684,440**	**185,259**	
610-XX	**Administrative**	**SF**	**377,196**	**82,245**	
113-20	**Aircraft Parking**	**SY**		**633,671**	

4. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information: **N/A**

a. Facility Type/Code:
b. What makes it inadequate/temporary?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard/semi-permanent?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

Facilities (cont.)

B. Airfields

1. For the main airfield(s) and each auxiliary and outlying field/staging base, provide the following data

Airfield Name: NALF WALDRON

a. Location (city/county and state and lattitude and longitude) - **Corpus Christi, Nueces, TX, 27 37'N - 97 19'W**
b. Distance from main field: **3.5 nm**
c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? - **No**
d. Does the airfield have parallel or dual offset runways? - **No**
- If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? **No**
e. Does the airfield have full-length parallel taxiways? - **No**
f. Does the airfield have high speed taxiways? - **No**
g. Does the airfield have a crosswind runway? - **Yes**
h. If conditions force the use of this runway, does the airfield lose flight ops capacity? - **No**
i. How much capacity is lost? - **N/A**
j. What percent of the time do conditions force the crosswind runway to be used? - **18%**
k. Is the airfield equipped to support IFR flight operations? - **No**
l. Is the airfield owned by your service or leased? - **Owned by Navy**
m. Discuss any runway design features that are specific to particular types of training aircraft (e.g., are the airfield facilities designed primarily for helo, prop or jet training aircraft). - **Airfield is suitable for all undergraduate pilot training aircraft except A-4, T-38, ~~and~~ T-1,** T-2. T-45 questionable.

2
CNATRA N3

Facilities (cont.)

B. AIRFIELDS (CONT.)**NALF WALDRON**

2. For the category codes listed below, most installations will need to conduct an in-house survey to accurately capture the condition of these facilities. This survey is required because, in most cases, Real Property Records lump all pavements and utility distribution systems under one facility number. The condition of these facilities is determined by the predominant condition of the entire system. This does not accurately indicate the true condition of the entire system and, therefore, necessitates a survey so you can report the percent of the system that is Adquate/Permanent, Substandard/Semi-Permanent and Inadequate/Temporary. When the bases do these surveys, it is vitally important they be auditable. Bases should have hard documentation to show exactly how they arrived at condition codes for each segment of the category codes listed below.

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
111	Airfield Pavement-Runways (Do not include shoulders or overruns)	SY	~~299,790~~ 342,035		~~299,790~~ 342,035	CNATRA N61
112	Airfield Pavements-Taxiways (Do not include shoulders)	SY	**135,401**	**135,401**		
113	Airfield Pavements-Aprons (Do not include shoulders)	SY	**62,938**			**62,938**
116-662	Dangerous Cargo Area	SY	**0**			
812	Elec Power-Trans & Distr Lines (Overhead & U/G, Pri & Sec Lines) (Do not include 812-921, 812-926 and 812-928)	LF	**62,080**	**62,080**		

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
822	Heat-Trans & Distr Lines (Do not include 822-248 and 822-268)	LF	**0**			
832	Sewage and Industrial Waste-Collection (Mains) (Do not include 832-267)	LF	**8,840**	**8,840**		
842	Water-Distr Sys-Potable (Do not include 842-246 and 842-249)	LF	**1,100***	**1,100**		
843	Water-Fire Protection (Mains) (Do not include 843-315, 843-316 and 843-319)	LF	**1,100***	**1,100**		
851	Roads (Do not include 851-142 and 851-143)	SY	**28,731**		**28,731**	
852	Veh/Equip Parking (Do not include 852-282, 852-287 and 852-289)	SY	**9,787**		**9,787**	

***Potable water and fire protection mains are one and the same.**

R

Facilities (cont.)

B. Airfields (cont.)**NALF WALDRON**

3. List the major facility assets (using your service specific list by 5 digit category code number (CCN)) under installation control (e.g., runway, parking apron, hangars, terminal, administrative spaces) and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Ade-quate/Perma nent	Substan-dard/Semi-Permanent	Inade-quate/Tem porary
111-10	**Runways**	**SY**		**342,035**	
112-10	**Taxiways**	**SY**	**135,401**		
211-XX	**Hangars**	**SF**			
610-XX	**Administrative**	**SF**			
113-20	**Aircraft Parking**	**SY**			**62,938**

4. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information:

a. Facility Type/Code: **113-20**
b. What makes it inadequate/temporary? **A35/F30**
c. What use is being made of the facility? **113-20**
d. What is the cost to upgrade the facility to substandard/semi-permanent? **$11.19K**
e. What other use could be made of the facility and at what cost? **451-10/$ unknown**
f. Current improvement plans and programmed funding: **None**
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP? **No**

Facilities (cont.)

B. Airfields (cont.)**NALF WALDRON**

3. List the major facility assets (using your service specific list by 5 digit category code number (CCN)) under installation control (e.g., runway, parking apron, hangars, terminal, administrative spaces) and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Adequate/Permanent	Substandard/Semi-Permanent	Inadequate/Temporary
111-10	**Runways**	**SY**		~~299,790~~ 342,035	
112-10	**Taxiways**	**SY**	**135,401**		
211-XX	**Hangars**	**SF**			
610-XX	**Administrative**	**SF**			
113-20	**Aircraft Parking**	**SY**			**62,938**

CNATRA N61

4. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information: **N/A**

a. Facility Type/Code: **Parking Apron**
b. What makes it inadequate/temporary? **A35, F30**
c. What use is being made of the facility? **Unused**
d. What is the cost to upgrade the facility to substandard/semi-permanent? **$500K**
e. What other use could be made of the facility and at what cost? **Open storage parking/ $500K**
f. Current improvement plans and programmed funding: **None**
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP? **No**

Facilities (cont.)

B. Airfields

1. For the main airfield(s) and each auxiliary and outlying field/staging base, provide the following data

Airfield Name: NALF CABANISS

a. Location (city/county and state and lattitude and longitude) - **Corpus Christi, Nueces, TX, 27 43'N - 97 26'W**
b. Distance from main field: **8nm**
c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? - **No**
d. Does the airfield have parallel or dual offset runways? - **No**
- If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? **No**
e. Does the airfield have full-length parallel taxiways? - **No**
f. Does the airfield have high speed taxiways? - **No**
g. Does the airfield have a crosswind runway? - **Yes**
h. If conditions force the use of this runway, does the airfield lose flight ops capacity? -**No**
i. How much capacity is lost? - **N/A**
j. What percent of the time do conditions force the crosswind runway to be used? - **18%**
k. Is the airfield equipped to support IFR flight operations? - **No**
l. Is the airfield owned by your service or leased? - **Owned by Navy**
m. Discuss any runway design features that are specific to particular types of training aircraft (e.g., are the airfield facilities designed primarily for helo, prop or jet training aircraft). - **Airfield is suitable for all undergraduate pilot training aircraft except for A-4, T-38, and T-1,** T2. T-45 questionable.

2
CNATRA N7

Facilities (cont.)

B. Airfields (cont.)**NALF CABANISS**

2. For the category codes listed below, most installations will need to conduct an in-house survey to accurately capture the condition of these facilities. This survey is required because, in most cases, Real Property Records lump all pavements and utility distribution systems under one facility number. The condition of these facilities is determined by the predominant condition of the entire system. This does not accurately indicate the true condition of the entire system and, therefore, necessitates a survey so you can report the percent of the system that is Adquate/Permanent, Substandard/Semi-Permanent and Inadequate/Temporary. When the bases do these surveys, it is vitally important they be auditable. Bases should have hard documentation to show exactly how they arrived at condition codes for each segment of the category codes listed below.

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
111	Airfield Pavement-Runways (Do not include shoulders or overruns)	SY	~~342,035~~ 299,790		~~342,035~~ 299,790	CNATRA N
112	Airfield Pavements-Taxiways (Do not include shoulders)	SY	**112,800**	**112,800**		
113	Airfield Pavements-Aprons (Do not include shoulders)	SY	**42,272**		**42,272**	
116-662	Dangerous Cargo Area	SY				
812	Elec Power-Trans & Distr Lines (Overhead & U/G, Pri & Sec Lines) (Do not include 812-921, 812-926 and 812-928)	LF	**47,500**	**47,500**		

FACILITIES (CONT.)

R

B. AIRFIELDS (CONT.) **NALF CABANISS**

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
822	Heat-Trans & Distr Lines (Do not include 822-248 and 822-268)	LF	**0**			
832	Sewage and Industrial Waste-Collection (Mains) (Do not include 832-267)	LF	**650**			
842	Water-Distr Sys-Potable (Do not include 842-246 and 842-249)	LF	**2,460***	**2,460**		
843	Water-Fire Protection (Mains) (Do not include 843-315, 843-316 and 843-319)	LF	**2,460***	**2,460**		
851	Roads (Do not include 851-142 and 851-143)	SY	**96,252**	**64,923**	**31,329**	
852	Veh/Equip Parking (Do not include 852-282, 852-287 and 852-289)	SY	**0**			

R

***Potable water distribution lines and fire protection mains are one and the same.**

CLOSE HOLD

FACILITIES (CONT.)

B. AIRFIELDS (CONT.) **NALF CABANISS**

Facility Type (CCN)	Facility Description	Unit of Measure	Current Quantity	Adequate/ Permanent	Substandard/ Semi-Permanent	Inadequate/ Temporary
822	Heat-Trans & Distr Lines (Do not include 822-248 and 822-268)	LF	**0**			
832	Sewage and Industrial Waste-Collection (Mains) (Do not include 832-267)	LF	**650**			
842	Water-Distr Sys-Potable (Do not include 842-246 and 842-249)	LF	**2,460***	**2,460**		
843	Water-Fire Protection (Mains) (Do not include 843-315, 843-316 and 843-319)	LF	**2,460***	**2,460**		
851	Roads (Do not include 851-142 and 851-143)	SY	**96,252**	**68,427**	**27,824**	
852	Veh/Equip Parking (Do not include 852-282, 852-287 and 852-289)	SY	**0**			

***Potable water distribution lines and fire protection mains are one and the same.**

FACILITIES (CONT.)

B. AIRFIELDS (CONT.)**NALF CABANISS**

3. List the major facility assets (using your service specific list by 5 digit category code number (CCN)) under installation control (e.g., runway, parking apron, hangars, terminal, administrative spaces) and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Adequate/Permanent	Substandard/Semi-Permanent	Inadequate/Temporary
111-10	**Runways**	**SY**		~~342,035~~ 299,790	
112-10	**Taxiways**	**SY**	**112,800**		
211-XX	**Hangars**	**SF**			
610-XX	**Administrative**	**SF**			
113-20	**Aircraft Parking**	**SY**		**42,272**	

CNATRA

4. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information: **N/A**

a. Facility Type/Code:
b. What makes it inadequate/temporary?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard/semi-permanent?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

FACILITIES (CONT.)

B. Airfields

1. For the main airfield(s) and each auxiliary and outlying field/staging base, provide the following data

Airfield Name: ARANSAS COUNTY

a. Location (city/county and state and lattitude and longitude) - **Rockport, Aransas, TX 28 06'N - 97 03'W**
b. Distance from main field: **26nm**
c. Does the airfield have more than one runway complex that can conduct independent (i.e., concurrent) flight operations? - **No**
d. Does the airfield have parallel or dual offset runways? - **No**
- If the airfield has parallel or dual offset runways, do they permit dual IFR flight operations? **No**
e. Does the airfield have full-length parallel taxiways? - **No**
f. Does the airfield have high speed taxiways? - **No**
g. Does the airfield have a crosswind runway? - **Yes**
h. If conditions force the use of this runway, does the airfield lose flight ops capacity? - **No**
i. How much capacity is lost? - **N/A**
j. What percent of the time do conditions force the crosswind runway to be used? - **18% est.**
k. Is the airfield equipped to support IFR flight operations? - **Yes**
l. Is the airfield owned by your service or leased? - **Landing rights leased by Navy**
m. Discuss any runway design features that are specific to particular types of training aircraft (e.g., are the airfield facilities designed primarily for helo, prop or jet training aircraft). - **Airfield is suitable for all undergraduate pilot training aircraft except for A-4, T-38, ~~and~~ T-1,** T2. T-45 questionable.

2
CNATRA N3

Facilities (cont.)

R

C. Ground Training Facilities

1. List ground training facilities at the installation that support pilot and/or NFO/Navigator training (e.g., classrooms, pistol ranges, water survival facilities). Provide the 5 digit category code number (CCN) where possible. Indicate if these facilities are unique or if they include any specialized equipment and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Adequate/ Permanent	Substan-dard/Semi-Permanent	Inade-quate/Tem porary
171-20	Applied Instruction Bldg	SF/PN	8000/40	4000/0	
171-35	Operations Trng Bldg	SF	22239		
171-10	Academic Instruction Bldg	SF/PN	42549/307		

2. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information:

a. Facility Type/Code:
b. What makes it inadequate/temporary?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard/semi-permanent?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding: **None**
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

Facilities (cont.)

C. Ground Training Facilities

1. List ground training facilities at the installation that support pilot and/or NFO/Navigator training (e.g., classrooms, pistol ranges, water survival facilities). Provide the 5 digit category code number (CCN) where possible. Indicate if these facilities are unique or if they include any specialized equipment and assess their material condition by indicating the quantities that are adequate/permanent, substandard/semi-permanent and inadequate/temporary. Specify how the facility is used if it is not obvious from its CCN.

Facility Type (CCN)	Facility Use	Unit of Measure	Adequate/ Permanent	Substan-dard/Semi-Permanent	Inade-quate/Tem porary
171-20	Applied Instruction Bldg	SF/PN	50549/347	4000/0	
171-35	Operations Trng Bldg	SF	22239		

2. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information:

a. Facility Type/Code:
b. What makes it inadequate/temporary?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard/semi-permanent?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding: None
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

FACILITIES (CONT.)

D. Aircraft Maintenance Facilities

1. Complete the following table for each type of aircraft which can be maintained at your installation. Place an "x" in the applicable columns for each type of aircraft.

Aircraft Types	Level of Maintenance			Source	
	Depot	Intermediate	Organizational	DOD	Contract
C-12			**X**		**X**
UH-1N			**X**	**X**	
T-44A	**X**	**X**	**X**		**X**
T-34C	**X(limited)**	**X**	**X**		**X**
Helicopters (CCAD)	**X**	**X**	**X**	**X**	
P-3	**X** Note 1.	**X**	**X**		**X**

Note 1. Limited. CHAPTER N3

FACILITIES (CONT.)

E. Special Military Facilities

1. List all facilities and equipment that play a special role in military operations (e.g., radar, communications, command and control, oceanographic facilities) of the aircraft at the installation.

Type of Facility	Operational Mission of Facility
RATCC	**Precision radar approach, approach and departure control**
	& Monitoring of Special Use Airspace.

CONTRA ND

2. Contingency and Deployment Requirements:
(Assume full mobilization, sustained 24-hour capability)

a. Can airfield handle wide-body aircraft (e.g. C-5, KC-10, E-3A, 747) transient operations, (e.g., parking, fueling, loading)? (Yes/No)
Yes, NAS Corpus Christi routinely handles transient C-5 and E-6A. C-5 aircraft make regular scheduled flights to NAS Corpus Christi in support of CCAD. E-6A aircraft occasionally fly operational missions from NAS Corpus Christi.

3. Does installation have a dedicated munitions loading pad? - **Yes**
   a. If yes, are there any access limitations? **No**
   b. What type aircraft have used your pad over the last five years? **C-130, C-141,C-5**

FACILITIES (CONT.)

E. Special Military Facilities

4. Is the installation located within 150NM of:
   a. Ground Force Installation (active)? Yes/No (If yes, give name(s)) **Yes. Fort Sam Houston is an Army Headquarters and mobilization gathering point in addition to being a medical training facility.**
   b. Rail Access which allows the loading/unloading of heavy equipment? **Yes**
   c. Deep water port facility? Yes/No (If yes, give name(s)) **Yes**

The Port of Corpus Christi is located approximately 13nm from NAS Corpus Christi.

5. Does the installation medical treatment facility routinely receive referral patients? (Yes/No) **No**

6. Do installation medical facilities have any unique missions (aeromedical staging facility, environmental health laboratory, area dental laboratory, physiological training unit, wartime tasking, etc.)? Identify.
Naval Hospital Corpus Christi is the only DOD medical facility serving NAS Kingsville, NS Ingleside, and NAS Corpus Christi.

7. List any weapons storage and handling facilities located at the installation.

Type of Facility	Location	Mission and Capability of Facility
Magazine A-1	**Dimmit Island**	**Pyrotechnics 30,000 lbs**
Magazine A-2	**Dimmit Island**	**Pyrotechnics 30,000 lbs**
Magazine A-3	**Dimmit Island**	**Small arms ammunition 30,000 lbs**
Magazine A-4	**Dimmit Island**	**Detonation cord 30,000 lbs**
Magazine A-5	**Dimmit Island**	**Fuses and Det cord 15,000 lbs**
Magazine A-6	**Dimmit Island**	**High explosives 30,000 lbs**
Magazine A-7	**Dimmit Island**	**High explosives 30,000 lbs**
Magazine A-11	**Dimmit Island**	**High explosives 30,000 lbs**
Magazine A-14	**Dimmit Island**	**High explosives 30,000 lbs**

NOTE: This data represents the most current usage.

FACILITIES (CONT.)

F. Facility Support Arrangements for Other Services

1. List all arrangements (e.g., inter-service support agreements) that involve supporting other military service activities at the installation.

Activity Name / Military Service	Description of Activity Role and Degree of Support
Corpus Christi Army Depot/DOA	**Helicopter repair depot, full support**
Defense Reutilization and Marketing Office/DLA	**Defense salvage yard and recycle, full support**
Kelly Air Force Base/DAF	**Recreational lodging, facility and utility support**
90th Army Command/DOA	**Reserve command, full support**
Stadium Clock/DOD	**Classified, full support**
Defense Commissary Agency/DeCA	**Commissary store, full support**
Defense Distribution Depot/DLA	**Wholesale distribution and warehousing, full support**
***Joint Task Force Six/DOD**	**Counterdrug operation, staging and operation support**
***Air Force Rome Laboratory/DAF**	**Over-horizon radar, logistic support**

***Supported by but not permanently located on NASCORPC.**

2. List all formal support agreements and other arrangements that involve supporting other governmental agencies (federal, state, local or international) or civilian activities at the installation.

Activity / Sponsor / Government Affiliation	Description of Activity Role and Support Level
Eighth Coast Guard District/Dept of Transportation	**Search and Rescue and Patrol, full support**
Coast Guard Group/Dept of Transportation	**Command Control, Search, Rescue and Patrol, full support**
Coast Guard Law Enforcement Team Det/Dept of Transportation	**Enforcement, Interdiction and Training, full support**
U.S. Customs Service Surveillance Center/ Dept of Treasury	**Counterdrug Air Surveillance, full support**
***Department of Interior**	**Wetlands Environment Research, logistic support**
***Headquarters, Fort Sam Houston/DOA**	**Personnel and logistic support and staging, contingency full support**
Army San Antonio District Recruiting Office/DOA	**Army Recruiting, intermediate support**
***All Navy Activities in Texas, Oklahoma, New Mexico, and Arkansas/DON**	**Supply Contract Support Above $2,500**
***All DOD in 17 South Texas Counties**	**Full Personal Property Support**

***Supported by but not permanently located on NASCORPC.**

FACILITIES (CONT.)

G. Proximity to Operational Mission Areas

1. Does the location of the installation have any strategic role at the present time or in future plans (include both location and attributes available at that location, e.g., waterfront space). Discuss alternate military/civilian facilities that could fulfill the same strategic role.

The Air Station is ideally situated for the U.S. Customs mission. Only two minutes of transit time is required for air access to the open Gulf of Mexico. Staging air transport to Central and South America and quickly moving helicopter assets to locations there has been done and can be done again. MINEWARCOM air assets can be deployed in a similar way.

H. Proximity to Training Areas

1. Does the location of the installation permit any specialized training with other operational units (e.g., Joint forces)? If so, provide details.

Yes, COMINEWARCOM can conduct integrated air and surface training from a single geographic site. The air assets can be launched from NASCORPC and the surface forces can be berthed at NS Ingleside.

2. Describe the plan for conducting carrier qualifications. Will ship deploy to training squadron site or will squadrons deploy?

Plans do not exist at this time. See question four below.

3. How far (nmi.) is the installation from a designated naval operations area where an aircraft carrier would conceivably operate ?

15 nm

4. If the aircraft carrier deploys to an area within operating range of training air squadrons, would CQ training usually be conducted directly from the installation or on a detachment basis?

NASCORPC has and could again directly support training carrier operations in local coastal waters as a primary field and as a divert field.

R

FACILITIES (CONT.)

I. Proximity to Other Support Facilities

1. List other airfields (currently not used for undergraduate pilot and/or NFO/Navigator training) in the local flying area that are available for training and emergency uses.

Airfield Name	Major Use / Capability	Location / Distance
T.P. McCampbell **	**None/VFR pattern, Emergency**	**10nm NE NGP**
NOLF Goliad*	**None/VFR pattern, Emergency**	**45nm N NGP**
Chase Field*	**None/VFR pattern, Emergency**	**35nm N NGP**

*** Closed in BRAC 1991 ** 5000' runway, pilot controlled lighting, VFR only**

R

2. What other military facilities located in the vicinity are/could be used to support the installation's and tenants' mission?

Military Facility Name	Actual / Proposed Use	Distance
NAS Kingsville	**RI/Pattern**	**30nm SW**
NOLF Orange Grove	**RI/Pattern**	**40nm W**
NS Ingleside	**Serve as host for Mine Warfare**	**45 minutes**

3. What civilian owned facilities located in the vicinity are/could be used to support the installation's and tenants' mission?

Facility Name	Actual / Proposed Use	Distance
Alice Intl	**RI**	**40nm W**
Corpus Christi Intl	**Pattern and RI**	**10nm N**
Brownsville Intl	**RI**	**110nm S**
McAllen Intl	**RI**	**100nm S**
Harlingen Intl	**RI**	**100nm S**
Aransas County	**Pattern and RI**	**19nm NE**
Kleberg County	**RI**	**40nm SW**

***All airfields in this chart are currently being utilized.**

FACILITIES (CONT.)

I. Proximity to Other Support Facilities

1. List other airfields (currently not used for undergraduate pilot and/or NFO/Navigator training) in the local flying area that are available for training and emergency uses.

Airfield Name	Major Use / Capability	Location / Distance
T.P. McCampbell	**None/VFR pattern, Emergency**	**10nm NE NGP**
NOLF Goliad*	**None/VFR pattern, Emergency**	**45nm N NGP**
Chase Field*	**None/VFR pattern, Emergency**	**35nm N NGP**

*** Closed in BRAC 1991**

2. What other military facilities located in the vicinity are/could be used to support the installation's and tenants' mission?

Military Facility Name	Actual / Proposed Use	Distance
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NOLF Orange Grove	**RI/Pattern**	**40nm W**
NS Ingleside	**Serve as host for Mine Warfare**	**45 minutes**

3. What civilian owned facilities located in the vicinity are/could be used to support the installation's and tenants' mission?

Facility Name	Actual / Proposed Use	Distance
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Brownsville Intl	**RI**	**110nm S**
McAllen Intl	**RI**	**100nm S**
Harlingen Intl	**RI**	**100nm S**
Aransas County	**Pattern and RI**	**19nm NE**
Kleberg County	**RI**	**40nm SW**

***All airfields in this chart are currently being utilized.**

FACILITIES (CONT.)
J. Unique features

1. Identify any unique (one of a kind) features (function, equipment, ranges, etc.) possessed by this training installation. Please list each feature separately and provide a narrative explanation of the importance of the unique feature. (Do not include Depots, Product Centers or Laboratories)
RATCC. NAS Corpus Christi is the only primary training base with a dedicated radar facility to monitor training areas. NAS Corpus Christi RATCC provides traffic advisories and coordinates working blocks with TW-4 aircraft.

2. Are there any on-installation facilities unique (one-of-a-kind) to your service that must be replaced if the installation is closed (Yes/No). If so, list the following information:
   a. Name or type of facility
   b. Total SF
   c. Cat code
   d. Present use

None

Future Requirements

A. Air Quality

1. What is the name of the Air Quality Management District in which the base is located?
TNRCC Region 14
a. Is the installation or any of its OLFs or Staging Bases located in different Air Quality Management Districts? **No**
b. If the answer is yes, provide acres of installation at each location, and answer questions 2-4 for each Air Quality Management District location.

2. Has EPA designated the air quality control area in which your installation is located as a maintenance or non-attainment area for any of the six criteria air pollutants (ozone, carbon monoxide, particulate matter (PM 10), sulfur dioxide, nitrogen dioxide, lead)? **No**
a. If the base is in a maintenance area, identify the regulated pollutant(s).
b. If the base is in a non-attainment area, identify the pollutant(s) and the degree of severity (marginal, moderate, serious, severe, or extreme).

3. Are there any critical air quality regions (i.e., non-attainment areas, national parks, etc.) within 100 kilometers of the base? **No**

4. Has the local Air Quality Board (or similar organization) restricted or delayed any on- or off-installation activities due to air quality considerations? Examples to consider include restrictions to construction permits, restrictions to operating hours for industrial facilities, implementation of High Occupancy Vehicle (HOV) procedures during rush hour, etc. **No**
a. If activities have been restricted, describe the nature, extent and duration of the restriction.
b. Has the installation been required to implement emissions reduction through special actions, such as carpooling or emissions credit transfer? **No**
c. If special actions have been implemented, specify the nature of the actions.
N/A

5. Are there any critical air quality regions (i.e. non-attainment areas, national parks, etc.) within 100 kilometers of the installation? **No**

FUTURE REQUIREMENTS (CONT.)

B. Encroachment

1. Are there any known plans for a commercial airline to hub at an airport within 100 nmi. of your installation? If so, describe.

No

2. Have there been any ATC delays (15 minutes or greater) between initial takeoff request and actual take-off during the past three years as a result of civilian traffic? If so, please complete the following table.

No

Fiscal Year	Average Delay (minutes)	Number of Delays	% of Total Flight Operations Affected
1991			
1992			
1993			

3. How many times during each of the past three years have any of your low level training routes been modified to accommodate construction and/or noise complaints?

None

Fiscal Year	Number of changes
1991	
1992	
1993	

FUTURE REQUIREMENTS (CONT.)
B. ENCROACHMENT (CONT)

4. Is the existing AICUZ study encoded in local zoning ordnances?

Yes, see attached plans. (attachment 1)

a. Attach a copy of any applicable sections of the installation AICUZ plan and note any recent modifications.

SEE ATTACHED (attachment 1)

b. Provide a description of local zoning ordinances and their impact on future encroachment, restricted flight hours and details of any litigation history.

SEE ATTACHED (attachment 1)

5. Do current estimates of population growth and development or environmental constraints pose problems for existing or planned mission?

There are no known constraints that pose problems for existing or planned mission.

6. Provide a copy of the current and proposed land development plans for the area surrounding the installation (i.e., the local government's comprehensive land-use plan).

SEE ATTACHED attachments 2a & 2b

7. Air Space Encroachment.

a. Do you receive noise complaints from off-installation residents? **Yes**

b. How many per month (average)? Include noise complaints from local and transient aircraft within the airfield traffic pattern and departure and arrival corridors.
3-4, which includes outlying fields

c. Has the installation implemented noise abatement procedures? **No.** Routine right hand patterns by jet aircraft are not conducted on Rwy 13R. CNATRA N3

d. Describe your procedures. Include noise abatement procedures for maintenance, flight operations, arrivals, departures, and command-directed.
None

FUTURE REQUIREMENTS (CONT.)

B. ENCROACHMENT (CONT)

8. Air Installation Compatible Use Zone (AICUZ) and Terminal Area Procedures. Answer as well as possible if civilian control or FAR PART 150 Study applies. Answer the following questions regarding current community and other land encroachment near or at the installation by filling in the attached tables following the instructions below.

a. Instructions:

(1) Provide the percent off base current incompatible land use within the Clear Zone (CZ), Accident Potential Zone I (APZ I), Accident Potential Zone II (APZ II), and each noise contour interval (i.e. 60-65 Ldn if available, 65-75 Ldn, 75-80 Ldn if available, and greater than 80 Ldn if available) in the attached tabular format, along with the indicated support information. Incompatibility is governed by DODI 4165.57 and is detailed in the 1980 report of the Federal Interagency Committee on Urban Noise.

(2) Obtain current land use data by overlaying noise contours and CZ/APZ from the most recent publicly released AICUZ, Environmental Assessment which has Finding of No Significant Impact, Environmental Impact Statement which has a Record of Decision, or other officially released noise contour analysis onto current land use maps obtained from local governments. Include the source and date of data. If no current land use maps are available, bases may use recent aerial photography of the off-base areas to determine compatibility percentages. Aerial photos may be available from local governments, USDA offices or planning agencies. Another alternative is to obtain a USGS or map of the environs, and determine land uses through a windshield survey. Analysis of tax/parcel or similar maps may also be conducted.

(3) Then determine the percent incompatible land use. This work is now typically done with computer digitizing programs and equipment. However, the work can be done manually, with the help of the drafting section, through the use of a template or other means. Visit local government planning offices for assistance with off-base land use.

(4) For consistency, use generalized land use areas in determining incompatible land uses (i.e. for residential land uses, include residences, lawns, sidewalks, driveways, local streets, etc., NOT JUST THE RESIDENCES). Generalized land use is the traditional nationwide planning convention and is the standard used in the typical land use maps provided by local governments. For each farm house or rural residence in Accident Potential Zone (APZ) I, add 1/2 acre of incompatible land use.

(5) What is the percent current off-base incompatible land use:

(a) Within the Clear Zone (CZ) at each end of each active runway? **None**

(b) Within Accident Potential Zone (APZ) I at each end of each active runway?

See attached sheets [redacted] Pg 67a,b,c,d

(c) Within APZ II at each end of each active runway? *

(d) Between the 60 Ldn and 65 Ldn noise contours (if available)? **N/A, 1980 AICUZ**

(e) Between the 65 Ldn and 75 Ldn noise contours? **N/A, 1980 AICUZ**

(f) Between the 75 Ldn and 80 Ldn noise contours (if available)? **N/A, 1980 AICUZ**

(g) Within the 80 Ldn noise contour and above (if available)? **N/A, 1980 AICUZ**

***NASC-80%; NALF Waldron-50%; NALF Cabaniss-10% Using 1980 AICUZ criteria**

FUTURE REQUIREMENTS (CONT.) Data Call TWENTY

B. ENCROACHMENT (CONT)

9. Current land use status for accident zones: reference questions 8.a.(5)(a) through 8.a.(5)(c). Describe current off-base encroachment/incompatible land use by completing the information in the following table for clear zones and accident potential zones.

SEE ATTACHED SHEETS 67aR, 67bR, 67cR, 67dR and 67eR

R
Arnold
NASCORPC 00F
12 Aug 94

Zones	Rnwy No.	Est Pop	Acres	% Incomp L-U
CZ				
APZ I				
APZ II				

NOTE: Develop a table like the above for each runway end (for example, one table for runway 19 and one table for runway 01) and identify if primary or secondary runway.

10. Current land use status for noise zones: reference questions 8.a.(5)(d) through 8.a.(5)(g). Describe current off-base encroachment/incompatible land use by filling in the information in the following table for noise zones/contour intervals.

SEE ATTACHED SHEETS ~~67a, b, c, d~~ 67fR

R
Arnold
NASCORPC 00F
12 Aug 94

DNL	Est Pop	Acres	% Incomp L-U
60-65*			
65-75			
75-80*			
80+*			

* IF AVAILABLE

FUTURE REQUIREMENTS (CONT.)

B. ENCROACHMENT (CONT)

9. Current land use status for accident zones: reference questions 8.a.(5)(a) through 8.a.(5)(c). Describe current off-base encroachment/incompatible land use by completing the information in the following table for clear zones and accident potential zones.

SEE ATTACHED SHEETS

Zones	Rnwy No.	Est Pop	Acres	% Incomp L-U
CZ				
APZ I				
APZ II				

NOTE: Develop a table like the above for each runway end (for example, one table for runway 19 and one table for runway 01) and identify if primary or secondary runway.

10. Current land use status for noise zones: reference questions 8.a.(5)(d) through 8.a.(5)(g). Describe current off-base encroachment/incompatible land use by filling in the information in the following table for noise zones/contour intervals.

SEE ATTACHED SHEETS Pg 67a, b, c, d

DNL	Est Pop	Acres	% Incomp L-U
60-65*			
65-75			
75-80*			
80+*			

* IF AVAILABLE

11010
Code 183

Subj: DATA COMMENTS ON BASE REALIGNMENT AND CLOSURE DATA CALL FOR AICUZ

1. The following charts are provided for information and action as requested by required for the BRAC Data Call.

* All data provided came from the 1980 AICUZ Study and plans. Data as requested was not developed nor is it on file. The attached maps and charts show the noise zones that were required in 1980 by both the DOD and FAA. But, the city has or is developing noise requirements for their various zoning areas.

These items or parcels of real estate await funding for their acquisition. Currently the city has insured that all dwelling units have been removed or relocated except for one parcel of land at Cabaniss NALF.

1* 06.077 Acres remain to be acquired.

2* All Clear Zone Land has been acquired.

3* 00.429 Acres remain to be acquired.

4* 42.640 Acres remain to be acquired.

5* 59.688 Acres remain to be acquired.

6* 09.815 Acres remain to be acquired.

7* All Clear Zone Land has been acquired.

8* All Clear Zone Land has been acquired.

9* All Clear Zone Land has been acquired.

10* 19.070 Acres remain to be acquired.

11* All Clear Zone Land has been acquired.

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00216 12 Aug 94

BRAC DATA CALL 20 QUERY

Question B.9 - ENCROACHMENT:

MAIN STATION, NAS, CORPUS CHRISTI

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	17 (SEC)	0	0	0 %
APZ I	17 (SEC)	3200	+/-1450 (1)	100 %
APZ II	17 (SEC)	2800	+/- 850	50 %

(1) 06.077 Acres currently in condemnation

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	35 (SEC)	1	0	0 %
APZ I	35 (SEC)	0	OVER WATER	0 %
APZ II	35 (SEC)	0	"	0 %

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	31L (PRI)	0	0	0 %
APZ I	31L (PRI)	0	OVER WATER	0 %
APZ II	31L (PRI)	0	"	0 %

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	31R (PRI)	0	OVER WATER	0 %
APZ I	31R (PRI)	0	"	0 %
APZ II	31R (PRI)	0	"	0 %

Revised
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ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	13R (PRI)	0	0	0 %
APZ I	13R (PRI)	3200	+/-1450 (2)	100 %
APZ II	13R (PRI)	2800	+/- 850	100 %

(2) 00.429 Acres currently in condemnation

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	13L (PRI)	0	(3)	0 %
APZ I	13L (PRI)	3200	+/- 1450	0 %
APZ II	13L (PRI)	2800	+/- 850	0 %

(3) All Clear Zone Land has been acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	04 (SEC)	0	OVER WATER	0 %
APZ I	04 (SEC)	0	"	0 %
APZ II	04 (SEC)	0	"	0 %

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	22 (SEC)	0	OVER WATER	0 %
APZ I	22 (SEC)	0	"	0 %
APZ II	22 (SEC)	0	"	0 %

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Main Station, NAS Corpus Christi		
CZ	17	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	35	US Owned	N/A(1*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	31L	US Owned	N/A(2*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	31R	US Owned	N/A(3*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	13L	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	13R	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	04	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	22	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

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OUTLYING STATION, NALF CABANISS

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ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	17 (SEC)	0	(4)	0 %
APZ I	17 (SEC)	100	+/-3100 (4)	0 %
APZ II	17 (SEC)	400	+/-3100	0 %

(4) 59.688 Acres remain to be acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	35 (SEC)	0	0	0 %
APZ I	35 (SEC)	1000	+/-3200 (5)	100 %
APZ II	35 (SEC)	5000	+/-3200	100 %

(5) 42.640 Acres remain to be acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	31 (PRI)	0	(6)	0 %
APZ I	31 (PRI)	1000	+/- 3200	100 %
APZ II	31 (PRI)	4200	+/- 3200	100 %

(6) All CLear Zone LAnd has been acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	13 (PRI)	0	(7)	0 %
APZ I	13 (PRI)	100	+/- 3100	50 %
APZ II	13 (PRI)	400	+/- 3100	0 %

(7) 09.815 Acres remain to be acquired

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Outlying Station, NALF Cabaniss		
CZ	17	US Owned	N/A(4*)	*
APZ-I		1,000	+/- 3,200	
APZ-II		5,000	+/- 3,200	
CZ	35	US Owned	N/A(5*)	*
APZ-I		100	+/- 3,100	
APZ-II		400	+/- 3,100	
CZ	31	US Owned	N/A(6*)	*
APZ-I		100	+/- 3,100	
APZ-II		400	+/- 3,100	
CZ	13	US Owned	N/A(7*)	*
APZ-I		1,000	+/- 3,200	
APZ-II		4,200	+/- 3,200	
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

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OUTLYING STATION, NALF, WALDRON

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ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	17 (SEC)	0	(8)	0 %
APZ I	17 (SEC)	900	+/- 400	0 %
APZ II	17 (SEC)	900	+/- 400	0 %

(8) All Clear Zone Land has been acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	35 (SEC)	0	(9)	0 %
APZ I	35 (SEC)	100	+/- 350	0 %
APZ II	35 (SEC)	100	+/- 350	0 %

(9) All Clear Zone Land has been acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	31 (PRI)	0	(10)	0 %
APZ I	31 (PRI)	100	+/- 350	0 %
APZ II	31 (PRI)	100	+/- 350	0 %

(10) All CLear Zone Land has been acquired

ZONES	RUNWAY NUMBER	ESTIMATED POPULATION	ACRES	% INCOMP L-U
CZ	13 (PRI)	0	(11)	0 %
APZ I	13 (PRI)	900	+/-400 (11)	100 %
APZ II	13 (PRI)	900	+/-400	100 %

(11) 19.070 Acres remain to be acquired

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Outlying Station, NALF Waldron		
CZ	17	US Owned	N/A(8*)	*
APZ-I		100	+/- 350	
APZ-II		100	+/- 350	
CZ	35	US Owned	N/A(9*)	*
APZ-I		900	+/- 400	
APZ-II		900	+/- 400	
CZ	31	US Owned	N/A(10*)	*
APZ-I		900	+/- 400	
APZ-II		900	+/- 400	
CZ	13	US Owned	N/A(11*)	*
APZ-I		100	+/- 350	
APZ-II		100	+/- 350	
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

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NOTES:

4,5,7, and 11: These items or parcels of real estate await funding for their acquisition. Currently the City of Corpus Christi has insured the Navy that all dwelling units have been removed or relocated except for one parcel of land at NALF, Cabaniss.

All data provided came from the 1980 AICUZ Study and Plans. Previous attached maps and charts showed the noise zones that were required in 1980 by both the DOD and FAA. However, the City of Corpus Christi has or is in the process of developing noise requirements for their various zoning areas.

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BRAC DATA CALL 20 QUERY

Question B.10 - ENCROACHMENT:

MAIN STATION, NAS, CORPUS CHRISTI

DNL	ESTIMATED POPULATION	ACRES	% INCOMP L-U
60 - 65	0	0	0 %
65 - 75	800	963.8	32 %
75 - 80	0	0	0 %
80+	0	0	0 %

OUTLYING STATION, NALF CABANISS

DNL	ESTIMATED POPULATION	ACRES	% INCOMP L-U
60 - 65	0	0	0 %
65 - 75	0	0	0 %
75 - 80	0	0	0 %
80+	0	0	0 %

OUTLYING STATION, NALF WALDRON

DNL	ESTIMATED POPULATION	ACRES	% INCOMP L-U
60 - 65	0	0	0 %
65 - 75	0	0	0 %
75 - 80	0	0	0 %
80+	0	0	0 %

FUTURE REQUIREMENTS (CONT.)

B. ENCROACHMENT (CONT)

11. Future local/regional community encroachment. Answer the following questions regarding future community and other land encroachment near or at the installation.

a. Provide a rough estimate of how previous BRAC or operational realignments will impact your AICUZ footprint (i.e., what types and quantities of aircraft and operations tempo increases are expected from incoming units, and what is their predicted effect on your footprints)? **Will need new footprints for H-53 operations.**

b. How are local land use plans expected to impact the AICUZ footprints?
Change 2 dwellings per acre to 1 per acre.

c. If the latest publicly released AICUZ is outdated (does not reflect current flying operations), provide milestones for completion of an updated AICUZ.
Currently outdated (1980), Update funding denied by NAVFAC. CNATRA N3

d. Describe how local governments (municipalities, counties) have incorporated AICUZ recommendations into land use controls (zoning, etc.) by indicating which local governments, if any, have incorporated any of the following into their land use controls. Be sure to specify which types of controls: zoning, building codes, subdivision regulations, etc. Indicate if any new local land use control efforts are to be implemented, when implemented, what jurisdiction, and what type of controls, as well as how encroachment will be limited.

(1) AICUZ recommended height restrictions. **Yes, in current plan**
(2) AICUZ recommended development limits for Accident Potential Zone (APZ) I. **Yes**
(3) AICUZ recommended development limits for APZ II **Yes**
(4) AICUZ recommended development limits between the 60 Ldn and 65 Ldn noise contours (if available). **N/A**
(5) AICUZ recommended development limits between the 65 Ldn and 75 Ldn noise contours. **N/A**
(6) AICUZ recommended development limits between the 75 Ldn and 80 Ldn noise contours (if available). **N/A**
(7) AICUZ recommended development limits above the 80 Ldn noise contour (if available). **N/A**
(8) Are real estate disclosure statements required by local communities? **Yes**

1980 AICUZ did not provide data in this format and is unavailable until updated AICUZ is completed.

Future Requirements (cont.)

B. ENCROACHMENT (CONT)

11. Future local/regional community encroachment (cont.)

e. Indicate if significant development (i.e. a residential subdivision, shopping mall or center, industrial park, etc.) exists or is anticipated or has been announced or started. If so, indicate what type of land use (residential, commercial, industrial, etc.), the type and size of the development (for residential subdivision: number of housing units, number of acres, population; for shopping mall/center: number of stores, total number of acres), when completed or when completion expected. Indicate any long range (20 years) trends for new growth.

Texas A & M University at Corpus Christi expansion. See attached drawings. Attachment 3

f. Has all clear zone acquisition been completed? YES/ **NO**.

(1) If not, indicate the runway approach and number of acres to be acquired, as well as timetable and expected acquisition costs.

See attached sheets. Attachment 4

g. Are on-base facilities and proposed facility development sited in accordance with AICUZ recommendations? Refer to the Base Comprehensive or Master Plan. For each incompatible facility (existing or proposed), indicate facility type (dormitory, etc.), approximate number of occupants, why the facility is incompatible, the reason this incompatibility is necessary, and the anticipated completion date if projected or under construction.

Yes

R

FUTURE REQUIREMENTS (CONT.)

C. Ability for Expansion

1. Does the operational infrastructure (e.g., parking apron, fuel and munitions storage, warehouse space, hangar space) provide capabilities for future expansion or change in mission?
Yes, Hangar 42 has already been identified for utilization by HM squadrons relocating to NAS Corpus Christi. Additionally, hangar space currently utilized by maintenance contractors could be used to support future tenants.

2. What is the availability of off-installation acreage for possible future installation development?

Large tracts of undeveloped, privately owned, acreage is available within 20nm for airfield construction.

3. Provide the following information for installation infrastructure related facilities and functions. If these or other installation infrastructure attributes may be a determining factor for installation loading and expansion, provide additional comments and capacity measures as appropriate.

Type of Facility or Capability	On Installation Capacity	Off Installation Long Term Contract	Normal Steady State Load	Peak Demand
Electricity (KWH)	**69,000 KWH***	**25,000 KWH, CPL Contract**	**24000 KWH**	**25000 KWH**
Water (GPD)	**3 MGPD + Storage**	**3 MGPD, City contract ****	**1.5 MGPD**	**3 MGPD**
Sewage (GPD)	**2.5 MGPD**	**None**	**0.5 MGPD**	**1.2 MGPD**
Natural Gas (CFH)	**420 KCFH**	**420 KCFH, City contract ****	**42.5 KCFH**	**82 KCFH**
Short Term Parking	**325,849 SY 9,787 SY**	**All parking under CCN 852-10 POV Parking at Waldron**	**240,000 SY**	**300,000 SY**
High Temp.Water/ Steam Generation/ Distribution	**174,600 LB/HR**	**No**	**14,700 LB/HR**	**130,000 LB/HR**
Air CFM	**10,300 CFM**	**No**	**1,100 CFM**	**6,100 CFM**

R

*** No on base generation capacity. Capacity limited by CPL transformer capability.**
**** System capacity can be expanded by increasing supply lines.**

4. Are there any characteristics regarding your utility systems that should be considered?
None

FUTURE REQUIREMENTS (CONT.)

C. Ability for Expansion

1. Does the operational infrastructure (e.g., parking apron, fuel and munitions storage, warehouse space, hangar space) provide capabilities for future expansion or change in mission?
Yes, Hangar 42 has already been identified for utilization by HM squadrons relocating to NAS Corpus Christi. Additionally, hangar space currently utilized by maintenance contractors could be used to support future tenants.

2. What is the availability of off-installation acreage for possible future installation development?

Large tracts of undeveloped, privately owned, acreage is available within 20nm for airfield construction.

3. Provide the following information for installation infrastructure related facilities and functions. If these or other installation infrastructure attributes may be a determining factor for installation loading and expansion, provide additional comments and capacity measures as appropriate.

Type of Facility or Capability	On Installation Capacity	Off Installation Long Term Contract	Normal Steady State Load	Peak Demand
Electricity (KWH)	45,000 KWH*	25,000 KWH, CPL Contract	24000 KWH	25000 KWH
Water (GPD)	3 MGPD + Storage	3 MGPD, City contract **	1.5 MGPD	3 MGPD
Sewage (GPD)	2.5 MGPD	None	0.5 MGPD	1.2 MGPD
Natural Gas (CFH)	420 KCFH	420 KCFH, City contract **	42.5 KCFH	82 KCFH
Short Term Parking	319,978 SY 9,787 SY	All parking under CCN 852-10 POV Parking at Waldron	240,000 SY	300,000 SY
High Temp.Water/ Steam Generation/ Distribution	174,600 LB/HR	No	14,700 LB/HR	130,000 LB/HR
Air CFM	10,300 CFM	No	1,100 CFM	6,100 CFM

*** No on base generation capacity. Capacity limited by CPL transformer capability.**
**** System capacity can be expanded by increasing supply lines.**

4. Are there any characteristics regarding your utility systems that should be considered?
None

FUTURE REQUIREMENTS (CONT.)

C. ABILITY FOR EXPANSION (CONT.)

5. Identify in the table below the real estate which has the potential to facilitate future development and for which you are the plant account holder. Complete a separate table for each individual site, i.e., main installation, outlying airfields, special off-site areas, off installation housing, etc. Unit of measure is acres.

SITE LOCATION: NASCORPC

Land Use	Total Acres	Developed[4]	Available for Development	
			Restricted[5]	Unrestricted
Operational	2119	1059	634	426
Training				
Research & Development				
Supply and Storage	67	67		
Admin	88	54	3	31
Housing	50	35		15
Recreational	239	239		

Developed land is that which currently has buildings, roads and utilities that prevent it from being further developed without demolition of existing infrastructure.

This includes areas that are restricted for future development due to environmental constraints such as wet lands, landfills, archaeological sites, etc., and other restrictions such as ESQD arcs, HERO, HERP, HERF, AICUZ, ranges or cultural resources. Identify the reason for the restriction when providing the acreage in the above table.

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R

Site Location: NALF WALDRON

Land Use	Total Acres	Developed[6]	Available for Development	
			Restricted[7]	Unrestricted
Operational	**536**	**100**	**36**	**400**
Training	**115**		**35**	**80**
Research & Development				
Supply and Storage				
Admin				
Housing	**165**		**35**	**130**
Recreational	**56**	**28**		**28**

R

Developed land is that which currently has buildings, roads and utilities that prevent it from being further developed without demolition of existing infrastructure.

This includes areas that are restricted for future development due to environmental constraints such as wet lands, landfills, archaeological sites, etc., and other restrictions such as ESQD arcs, HERO, HERP, HERF, AICUZ, ranges or cultural resources. Identify the reason for the restriction when providing the acreage in the above table.

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CLOSE HOLD

Site Location: NALF WALDRON

Land Use	Total Acres	Developed[6]	Available for Development	
			Restricted[7]	Unrestricted
Operational	533	100	33	400
Training	115		35	80
Research & Development				
Supply and Storage				
Admin				
Housing	165		35	130
Recreational	56	28		28

Developed land is that which currently has buildings, roads and utilities that prevent it from being further developed without demolition of existing infrastructure.

This includes areas that are restricted for future development due to environmental constraints such as wet lands, landfills, archaeological sites, etc., and other restrictions such as ESQD arcs, HERO, HERP, HERF, AICUZ, ranges or cultural resources. Identify the reason for the restriction when providing the acreage in the above table.

Site Location: NALF CABANISS

Land Use	Total Acres	Developed[8]	Available for Development	
			Restricted[9]	Unrestricted
Operational	**691**	**31**	**33**	**627**
Training				
Research & Development				
Supply and Storage				
Admin				
Housing				
Recreational				

Developed land is that which currently has buildings, roads and utilities that prevent it from being further developed without demolition of existing infrastructure.

This includes areas that are restricted for future development due to environmental constraints such as wet lands, landfills, archaeological sites, etc., and other restrictions such as ESQD arcs, HERO, HERP, HERF, AICUZ, ranges or cultural resources. Identify the reason for the restriction when providing the acreage in the above table.

FUTURE REQUIREMENTS (CONT.)

C. ABILITY FOR EXPANSION (CONT.)

5. Identify in the table below the real estate which has the potential to facilitate future development and for which you are the plant account holder. Complete a separate table for each individual site, i.e., main installation, outlying airfields, special off-site areas, off installation housing, etc. Unit of measure is acres.

Site Location: **PEARY PLACE**

Land Use	Total Acres	Developed[10]	Available for Development	
			Restricted[11]	Unrestricted
Operational				
Training				
Research & Development				
Supply and Storage				
Admin				
Housing	**44**			**44**
Recreational				

6. Identify the features of this installation that make it a strong candidate for basing/training other types of aircraft/aircrews and other operational units in the future
Available ramp, hangar, training facilities and airspace is suited for increased aircrew training and operational unit basing. Additionally NAS Corpus Christi has easy access to a large volume of low traffic density general use airspace in the South Texas region.

Developed land is that which currently has buildings, roads and utilities that prevent it from being further developed without demolition of existing infrastructure.

This includes areas that are restricted for future development due to environmental constraints such as wet lands, landfills, archaeological sites, etc., and other restrictions such as ESQD arcs, HERO, HERP, HERF, AICUZ, ranges or cultural resources. Identify the reason for the restriction when providing the acreage in the above table.

Manpower Implications

A. Quality of Life

1. Military Housing

a. Family Housing:

(1) Do you have mandatory assignment to on-installation housing? **No**

(2) For military family housing in your locale provide the following information:

Type of Quarters	Number of Bedrooms	Total number of units	Number Adaquate /Permanent	Number Substandard/ Semi-permanent	Number Inadequate/ Temporary
Officer	4+	53	53	0	0
Officer	3	56	56	0	0
Officer	1 or 2	18	18	0	0
Enlisted	4+	32	32	0	0
Enlisted	3	256	256	0	0
Enlisted	1 or 2	24	24	0	0
Mobile Homes	0	0	0	0	0
Mobile Home lots	0	28	28	0	0

(3) An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information:

a. Facility Type/Code:
b. What makes it inadequate/temporary?
c. What use is being made of the facility?
d. What is the cost to upgrade the facility to substandard/semi-permanent?
e. What other use could be made of the facility and at what cost?
f. Current improvement plans and programmed funding:
g. Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

MANPOWER IMPLICATIONS (CONT.)

R

A. QUALITY OF LIFE (CONT.)

(4) Complete the following table for the military housing waiting list.

Pay Grade	Number of Bedrooms	Number on List[12]	Average Wait
O-6/7/8/9	1	**0**	**0**
	2	**0**	**0**
	3	**0**	**0**
	4+	**6**	**6 Months**
O-4/5	1	**0**	**0**
	2	**0**	**0**
	3	**0**	**0**
	4+	**18**	**12 Months**
O-1/2/3/CWO	1	**0**	**0**
	2	**21**	**6 Months**
	3	**41**	**9 Months**
	4+	**2**	**6 Months**
E7-E9	1	**0**	**0**
	2	**0**	**0**
	3	**36**	**24 Months**
	4+	**13**	**0**
E1-E6	1	**0**	**0**
	2	**159**	**24 Months**
	3	**119**	**8 Months**
	4+	**30**	**24 Months**

[12] As of 31 March 1994.

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

(4) Complete the following table for the military housing waiting list.

Pay Grade	Number of Bedrooms	Number on List[12]	Average Wait
O-6/7/8/9	1	0	0
	2	0	0
	3	0	0
	4+	7	6 Months
O-4/5	1	0	0
	2	0	0
	3	0	0
	4+	17	12 Months
O-1/2/3/CWO	1	0	0
	2	27	6 Months
	3	41	9 Months
	4+	2	6 Months
E7-E9	1	0	0
	2	0	0
	3	36	24 Months
	4+	0	0
E1-E6	1	0	0
	2	159	24 Months
	3	119	8 Months
	4+	43	24 Months

[12] As of 31 March 1994.

Manpower Implications (cont.)

R

A. Quality of Life (cont.)

(5) What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)?

100%

(6) Provide the utilization rate for family housing for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	**99.24%**
Substandard/Semi-Permanent	**N/A**
Inadequate/Temporary	**N/A**

(7) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason?

There has been no significant change.

(b) BEQ:

(1) Provide the utilization rate for BEQ's for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	**76%**
Substandard/Semi-Permanent	**N/A**
Inadequate/Temporary	**N/A**

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? **NO (75%)** If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

There are more than enough quarters to adequately house personnel currently assigned to the Naval Air Station.

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

(5) What percent of your family housing units have all the amenities required by "The Facility Planning & Design Guide" (Military Handbook 1190 & Military Handbook 1035-Family Housing)?

100%

(6) Provide the utilization rate for family housing for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	**99.24%**
Substandard/Semi-Permanent	**N/A**
Inadequate/Temporary	**N/A**

(7) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 98% (or vacancy over 2%), is there a reason?

There has been no significant change.

(b) BEQ:

(1) Provide the utilization rate for BEQ's for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	**75%**
Substandard/Semi-Permanent	**N/A**
Inadequate/Temporary	**N/A**

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

There are more than enough quarters to adequately house personnel currently assigned to the Naval Air Station.

Manpower Implications (cont.)

A. Quality of Life (cont.)

(c) BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	**44%**
Substandard/Semi-Permanent	**N/A**
Inadequate/Temporary	**N/A**

Permanent party rooms designated to sustain max student load. Fluctuations in student population cause lower utilization rate.
ACS
CNET T254

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? **YES (77%)*** If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

***COMMINEWARCOM personnel have increased occupancy rate. There is no BOQ at Naval Station Ingleside.**

(d) Have any family housing/BOQ/BEQ units been vacated for purposes of renovation or are new units under construction? State type unit, total number of units, size, capacity and availability date.

Units Under Renovation or Construction				
Type Unit (Family Housing/BOQ/BEQ)	Total Number	Size (Appropriate Measure)	Capacity (Appropriate Measure)	Availability Date
72112	**184**	**250/269 SF**	**184**	**Est Dec95**
72111	**87**	**270/359 SF**	**87**	**Design Stage**
72111	**94**	**250/269 SF**	**94**	**Design Stage**

(e) Provide the following information on any family housing/BOQ/BEQ units planned for construction (MILCON) for FY94 - 97. State type unit, total number of units, size, capacity, and availability date.
711-xx Family Housing/ Dwelling/ 100 Units/ FY-95/ Planning Phase
711-xx Family Housing/ Dwelling/ 200 Units/ FY-96/ Planning Phase
711-xx Family Housing/ Dwelling/ 400 Units/ FY-97/ Planning Phase

Manpower Implications (cont.)

A. QUALITY OF LIFE (CONT.)

(c) BOQ:

(1) Provide the utilization rate for BOQs for FY 1993.

Type of Quarters	Utilization Rate
Adequate/Permanent	77%
Substandard/Semi-Permanent	N/A
Inadequate/Temporary	N/A

(2) As of 31 March 1994, have you experienced much of a change since FY 1993? If so, why? If occupancy is under 95% (or vacancy over 5%), is there a reason?

There are more than enough quarters to adequately house personnel currently assigned to the Naval Air Station.

(d) Have any family housing/BOQ/BEQ units been vacated for purposes of renovation or are new units under construction? State type unit, total number of units, size, capacity and availability date.

Units Under Renovation or Construction				
Type Unit (Family Housing/BOQ/BEQ)	Total Number	Size (Appropriate Measure)	Capacity (Appropriate Measure)	Availability Date
72112	**184**	**250/269 SF**	**184**	**Est Dec95**
72111	**87**	**270/359 SF**	**87**	**Design Stage**
72111	**94**	**250/269 SF**	**94**	**Design Stage**

(e) Provide the following information on any family housing/BOQ/BEQ units planned for construction (MILCON) for FY94 - 97. State type unit, total number of units, size, capacity, and availability date.
711-xx Family Housing/ Dwelling/ 100 Units/ FY-95/ Planning Phase
711-xx Family Housing/ Dwelling/ 200 Units/ FY-96/ Planning Phase
711-xx Family Housing/ Dwelling/ 400 Units/ FY-97/ Planning Phase

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

2. For on-installation MWR facilities[13] available, complete the following table for each separate location. For off-installation government owned or leased recreation facilities indicate distance from installation. If there are any facilities not listed, include them at the bottom of the table.

LOCATION NASCORPC DISTANCE N/A

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Auto Hobby	Indoor Bays	5	Y
	Outdoor Bays	36	Y
Arts/Crafts	SF	3000	Y
Wood Hobby	SF	0	N/A
Bowling	Lanes	12	Y
Enlisted Club	SF	0	N/A
Consolidated CLUB	SF	32000	Y
Library	SF	4463	N
Library	Books	22000	N
Theater *	Seats	1500	N
ITT	SF	2400	Y
Museum/Memorial	SF	0	N/A
Pool (indoor)	Lanes	0	N/A
Pool (outdoor)	Lanes SF	4653	N
Beach	LF	240	N
Lake	Each	0	N/A
Tennis CT	Each	8	N

B. PATRICK
CNET N-432
5-11-94

* MOVIES NOT SHOWN AT THEATER. USED FOR MEETINGS, TRAINING, AND SPECIAL EVENTS.

Spaces designed for a particular use. A single building might contain several facilities, each of which should be listed separately.

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

Facility	Unit of Measure	Total	Profitable (Y,N,N/A)
Volleyball CT (outdoor)	Each	1	N
Basketball CT (outdoor)	Each	1	N
Racquetball CT (indoor/outdoor)	Each	4	N
Squash CT	Each	1	UNUSED
Golf Course	Holes	18	Y
Driving Range	Tee Boxes	12	Y
Gymnasium	SF	16366	N
Fitness Center	SF	17387	Y
Marina	Berths	20	Y
Stables	Stalls	0	N/A
Rod and Gun Club/Range	Each	1	N/A
Softball Fld	Each	2	N
Football Fld	Each	1	N
Soccer Fld	Each	1	N
Youth Center	SF	4784	N
Recreation Center	SF	19500	Y-rental
Baseball Field (Yth)	EA	2	N

SH CNET N44331 5/11/94

3. Is your library part of a regional interlibrary loan program?

No

Marina EXTRAS

Storage Compound	Spaces	150	Y
RV Park	Spaces	24	Y
Year Issue	SF	1500	Y
Boat Sheds	EA	68	Y
Fishing Pier	EA	2	N
Boat House	SF	12500	Y
Bait Shack	SF	480	Y
Pavilion	SF	8000	N
Covered Picnic Pads	EA	5	N

SH CNET N44331 5/11/94

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

4. INSTALLATION FAMILY SUPPORT FACILITIES AND PROGRAMS

a. Complete the following table on the availability of child care in a child care center on your installation.

Age Category	Capacity (Children)	SF			# of PN on Wait List	Avg Wait (Days)
B. PATRICK CNET N-437 5-11-94		# Adequate/Permanent	Substandard/Semi-Permanent	Inadequate/Temporary		
0-12 Mos	8	720 * ~~324 SF~~			31	210
12-24 Mos	10	740 * ~~396 SF~~			26	360
24-36 Mos	14	749 * ~~740 SF~~			22	360
3-5 Yrs	40	1,517 * ~~749 SF~~			59	240
Pre-Kinder	20	880			59	240

*** Child Development Center is less than six years old with 11,166 sq ft of adequate space. The child capacity depends on room size and child age. The rooms can be reconfigured to accomodate changes.**

b. An inadequate/temporary facility cannot be made adequate/permanent for its present use through "economically justifiable means." For all the categories above where inadequate/temporary facilities are identified provide the following information:

- Facility Type/Code: **N/A**
- What makes it inadequate/temporary?
- What use is being made of the facility?
- What is the cost to upgrade the facility to substandard/semi-permanent?
- What other use could be made of the facility and at what cost?
- Current improvement plans and programmed funding:
- Has this facility condition resulted in "C3" or "C4" designation on your BASEREP?

c. If you have a waiting list, describe what programs or facilities other than those sponsored by your command are available to accommodate those on the list.
Extensive resource and referral program with community programs.

d. Are there other military child care facilities within 30 minutes of the installation? State owner and capacity (i.e., 60 children, 0-5 yrs). **No**

SF MEASUREMENT IS FOR USABLE SPACE ONLY, PER AGE GROUP. DOES NOT INCLUDE CLOSETS, HALLS, ETC. TOTAL FACILITY IS 11,166 SF. BP

MANPOWER IMPLICATIONS (CONT.)

A. QUALITY OF LIFE (CONT.)

f. Complete the following table for services available on your installation. If you have any services not listed, include them at the bottom.

B. PATRICK
CNET N-432
5-11-94

Service	Unit of Measure	Qty
Exchange	SF	**12,000**
Gas Station	SF	**1,500**
Auto Repair*	SF	**3,100**
Auto Parts Store	SF	**800**
Commissary**	SF	**43,000**
Mini-Mart***	SF	**4,000**
Package Store***	SF	**same as above**
Fast Food Restaurants	Each	**6**
Bank/Credit Union	Each	**2**
Family Service Center	SF	**6,334**
Laundromat	SF	**500**
Dry Cleaners	Each	**1**
Alcohol Rehabilitation Center	PN	**0****
Chapel	PN	**250/ 2 ea**
FSC Class-room/Auditorium	PN	**50**

***Tire and A/C repair only.**
****New facility under construction, November 1994 completion.**
*****Co-located**
******ARD at NAVHOSPCORPC. Capacity 22 PN**

5. Proximity of closest major metropolitan areas (provide at least three):

City	Distance (Miles)
Corpus Christi	**Within city limits**
San Antonio	**137**
Houston	**227**

* INCLUDES VENDOR OPERATED "WHAT-A-BURGER" FRANCHISE, MWR, NAVY EXCHANGE AND CIVILIAN NAFI FAST FOOD FACILITIES. BP

MANPOWER IMPLICATIONS (CONT.)
A. QUALITY OF LIFE (CONT.)

6. Standard Rate VHA Data for Cost of Living:

Paygrade	With Dependents	Without Dependents
E1	**58.45**	**32.70**
E2	**58.45**	~~**35.76**~~ 36.76
E3	**46.36**	**34.16**
E4	**73.17**	**51.07**
E5	**80.92**	**56.50**
E6	**81.63**	**55.57**
E7	**104.18**	**72.37**
E8	**116.13**	**87.79**
E9	**98.15**	**74.51**
W1	**158.70**	**120.53**
W2	**139.12**	**109.12**
W3	**141.02**	**114.64**
W4	**154.29**	**136.80**
O1E	**80.85**	**59.97**
O2E	**78.30**	**62.43**
O3E	**115.02**	**97.31**
O1	**85.09**	**62.70**
O2	**78.70**	**61.51**
O3	**136.97**	**115.32**
O4	**94.24**	**81.95**
O5	**95.00**	**78.57**
O6	**104.99**	**86.90**
O7	**32.74**	~~**106.35**~~ 26.60

SH (HERTEL) N44331
CNET
5/11/94

SH N44331
CNET
5/11/94

Command: **NAS Corpus Christi**

Data Call Number Twenty

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. L. McCLELLAND
NAME

Signature

Acting
Title

13 MAY 94
Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE Jr
NAME

Signature

Acting
Title

6/8/94
Date

This certification for UIC 00216 BRAC-95, Data call TWENTY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

04 MAY 94
Date

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

9 MAY 94
Date

Naval Air Training Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, Data call TWENTY

R. F. FALKENSTEIN II, CDR, USN
NAME (Please type or print)

Signature

COMMANDING OFFICER, ACTING
Title

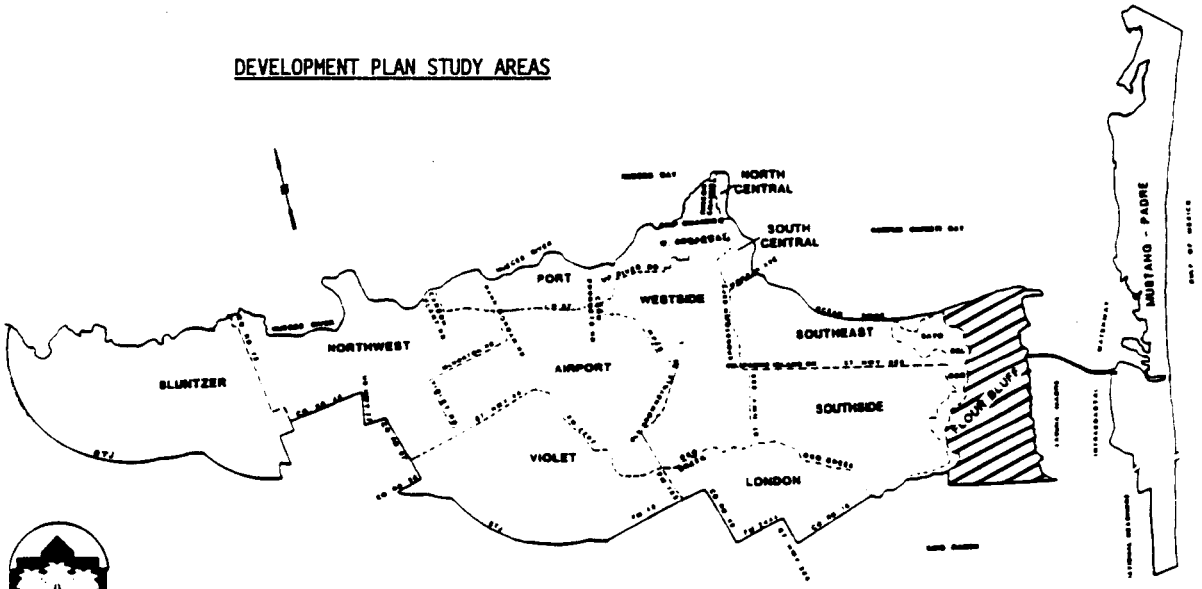
04 MAY 94
Date

Naval Air Station, Corpus Christi
Activity

FLOUR BLUFF
AREA DEVELOPMENT PLAN

ADOPTED
AUGUST 31, 1993

DEVELOPMENT PLAN STUDY AREAS



CITY OF CORPUS CHRISTI PLANNING AND DEVELOPMENT DEPARTMENT

Attachment 2b

FLOUR BLUFF AREA DEVELOPMENT PLAN

An Element of the Comprehensive Plan

The City Planning Commission conducted 10 public meetings, including 4 public hearings, between December 1992 and July 1993 regarding the draft Flour Bluff Area Development Plan. The four public hearings were conducted on January 20th, January 27th, February 24th and March 10th, 1993. The Plan was recommended by the City Planning Commission on July 14, 1993, for City Council adoption. On August 31, 1993, after conducting a public hearing and on 2nd reading, the City Council adopted the Flour Bluff Area Development Plan.

Preparation of this document was financed in part by a Community Development Block Grant from the Department of Housing and Urban Development and a Metropolitan Planning Organization Grant from the Federal Highway Administration.

City of Corpus Christi
Department of Planning and Development

AN ORDINANCE

ADOPTING THE FLOUR BLUFF AREA DEVELOPMENT PLAN AS AN ELEMENT OF THE CITY OF CORPUS CHRISTI COMPREHENSIVE PLAN; AND ESTABLISHING THE CITY OF CORPUS CHRISTI'S, DEVELOPMENT OBJECTIVES, POLICIES, AND PROGRAMS FOR THE FLOUR BLUFF AREA.

WHEREAS, the Planning Commission has forwarded to the City Council its report and recommendations concerning adopting the Flour Bluff Area Development Plan as an element of the City of Corpus Christi Comprehensive Plan;

WHEREAS, in accordance with proper notice to the public, a public hearing was held on Wednesday, March 10, 1993, during a meeting of the Planning Commission and on Tuesday, August 31, 1993, during a meeting of the City Council, in the Council Chambers at City Hall in the City of Corpus Christi allowing all interested persons to appear and be heard; and

WHEREAS, the City Council has determined that the hereinafter set forth adoption would best serve public health, necessity and convenience and the general welfare of the City of Corpus Christi and its citizens.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CORPUS CHRISTI, TEXAS:

SECTION 1. That the Comprehensive Plan of the City of Corpus Christi, Texas, is amended by making the change hereinafter set out.

SECTION 2. That there is hereby approved and adopted as a portion of the Comprehensive Plan for the City of Corpus Christi the Flour Bluff Area Development Plan, substantial copy of which is attached hereto and made a part hereof for all purposes, marked Exhibit A.

SECTION 3. That the Flour Bluff Area Development Plan hereby establishes the City of Corpus Christi's policies for growth, development, and aesthetics for the area described by said plan, a portion of the master and general plan of the City.

SECTION 4. That all ordinances or parts of ordinances in conflict herewith are hereby expressly repealed.

SECTION 5. If for any reason any section, paragraph, subdivision, clause, phrase, word or provision of this ordinance shall be held invalid or unconstitutional by final judgment of clause, phrase, word or provision of this ordinance for it is the definite intent of this City Council that every section, paragraph, subdivision, clause, phrase, word or

provision hereof be given full force and effect for its purpose.

SECTION 6. Publication shall be made one time in the official publication of the City of Corpus Christi by publishing the caption stating in substance the purpose of the ordinance, this ordinance to become effective upon such publication.

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FLOUR BLUFF AREA DEVELOPMENT PLAN

INTRODUCTION

The Comprehensive Plan is mandated by the City Charter. It requires the City Council to *"...establish comprehensive planning as a continuous governmental function in order to guide, regulate, and manage future development..."* and, that *"all city improvements, ordinances, and regulations shall be consistent with the comprehensive plan."*

The Comprehensive Plan is a product of various plan titles such as Policy Statements, Area Development Plans, Capital Improvement Programs, and Master Utility Plans. The comprehensive planning process is a means for citizens and community leaders to guide community development. The Comprehensive Plan, by definition, is *general, long range, and broad in scope.* To help form the Comprehensive Plan, City Council divided the city and its environs into 13 Area Development Plan (ADP) study areas.

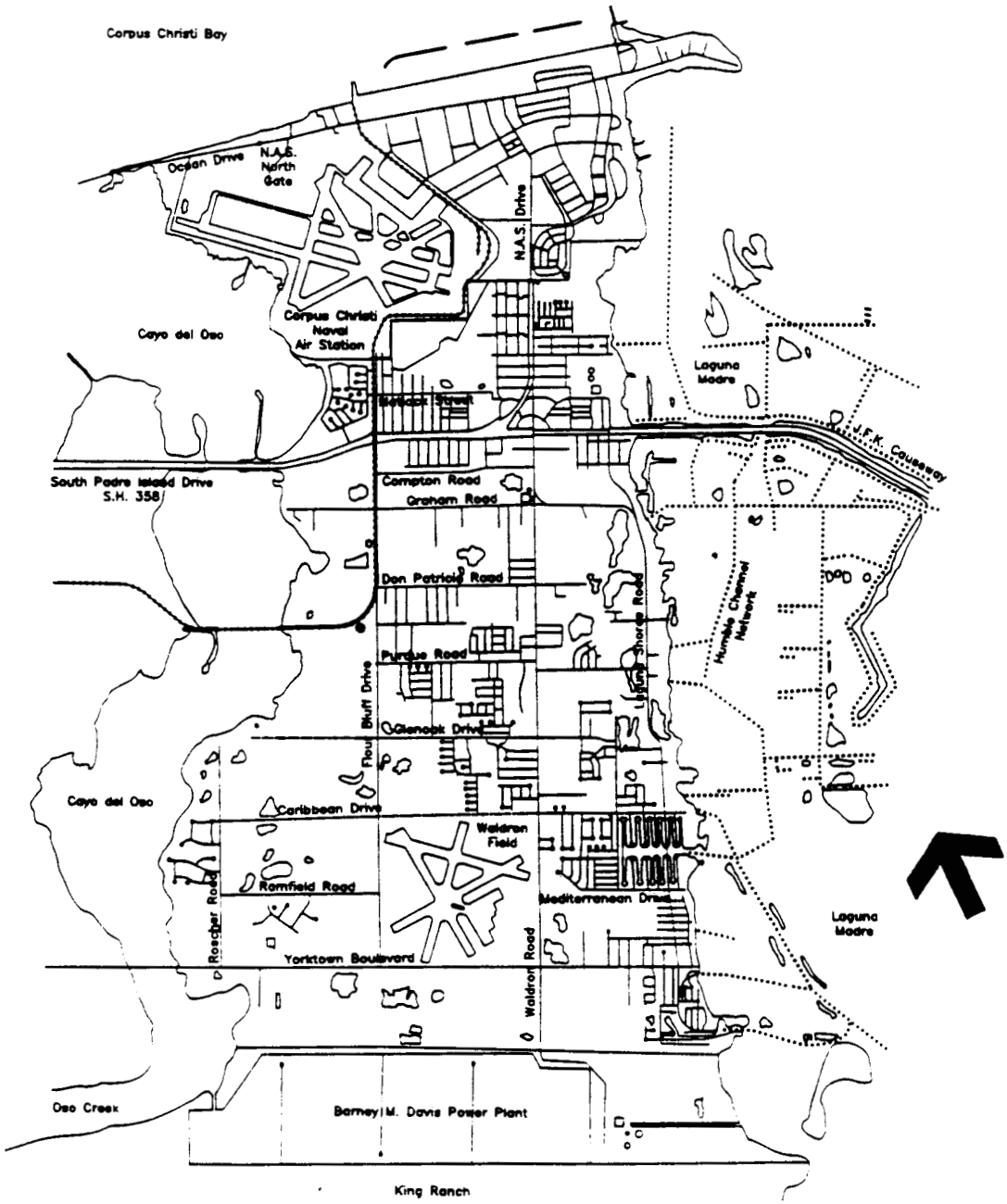
Development plans for these areas help resolve basic land use issues such as zoning and platting of properties, allocation of public services and facilities contained in the Capital Improvement Programs, and other area specific issues. In many cases, follow-up programs are needed to implement the many policies in the Plan. Implementation of these plans will help assure the most appropriate land development and provision of public services.

Coordination of the Capital Improvement Plan, various Area Development Plans, and day-to-day actions of line agencies responsible for implementing the Comprehensive Plan, will result in more cost effective development and tax dollar savings.

The Flour Bluff Development Plan Area (Figure 1 - Flour Bluff Area) is bounded by the Cayo del Oso on the west, Corpus Christi Bay on the north, Laguna Madre on the east, and the King Ranch on the south. On the north end of the peninsula is the Naval Air Station (NAS) and Corpus Christi Army Depot (CCAD) which are landmarks for the area. The Barney Davis power plant and cooling reservoirs are located next to the King Ranch at the southern end of the study area. In addition Flour Bluff is characterized by a natural abundance woodlands and brushlands, wetlands, and existing large lot development. When adopted this plan will supersede the 1982 Flour Bluff plan.

This plan is similar to the 1982 Flour Bluff Plan as both plans place a high priority on striking a balance between the desires of private property owners and achieving long term community goals, and objectives. Perhaps foremost among these compromises is to accommodate continued operation of the Naval Air Station while leaving reasonable development choices for the private property owner. This plan stresses the need to gradually move toward land uses which meet the Navy's guidelines for uses adjacent to it's airfields. A significant difference between this plan and previous plans is the more comprehensive scope and the greater detail provided in many of the recommendations, concerning parks, branch libraries, the road system etc.

FIGURE 1 *FLOUR BLUFF AREA*



The ADP incudes an Inventory and Analysis Report which describes existing conditions and background information. The Inventory and Analysis Report is available upon request from the Planning and Development Department.

PLAN GOALS AND OBJECTIVES

The guiding goals and objectives for the entire City and Extraterritorial Jurisdiction (ETJ), including the Flour Bluff Area, are contained in the Policy Statements adopted by the City Council in 1987.

The policies encompassed by this Plan address not only current issues, but needs that the City and Flour Bluff residents, property owners, and businesses perceive will become pressing in future years. Recognizing that not all suggested implementations will take place immediately, it is important to foresee and note problems and opportunities, and develop a long term strategy to address them.

The specific goals of the Flour Bluff Area Development Plan are to:

○ **a. Encourage or require responsible growth that will preserve the existing natural environment.** The environment in Flour Bluff is unique to Corpus Christi. Awareness of the value of wetlands as a natural resource and as retention ponds, and woodlands and brushlands for habitat are needed to avoid destruction of these important resources.

○ **b. Encourage sensible and appropriate development adjacent to Naval Air Station facilities.** The presence of the Naval Air Station is important to the economy of Corpus Christi and every effort should be made to encourage their continued operation.

○ **c. Creation of a clean, litter free environment with adequate public services.** Illegal dumping is a major concern on Flour Bluff, which effects the quality of life in the area.

Principal objectives:

○ **a. Protect the unique development pattern and environmental resources of the area. Objectives include:**

- ▸ Protect the Cayo del Oso and Laguna Madre.
- ▸ Continue large lot development in the southwest quadrant to maintain the distinct atmosphere established by existing development and use.
- ▸ Protect the environment through preservation and enhancement of environmentally sensitive areas.
- ▸ Create a zoning district which will protect environmentally sensitive areas.
- ▸ Preserve and enhance public access and recreational opportunities along the Laguna Madre and Cayo del Oso.

○ **b. Maintain the integrity of the Naval Air Station. This can be done by:**

- ▸ Creating zoning regulations which only allow densities and uses that are compatible in Naval Air Station Air Installation Compatible Use Zone areas.

○ **c. Propose appropriate land uses and a compatible transportation network to serve future land uses.**

○ **d. Facilitate infrastructure planning through a reasonable estimate of future land use and densities.**

○ **e. Use Community Development Block Grant loan programs and funds to rehabilitate neighborhoods.**

○ **f. Organize vehicular movement through the area, establishing gateways/entrances, pedestrian and vehicular pathways as practical.**

○ **g. Revitalize deteriorated housing and promote new residential development consistent with the Comprehensive Plan and not in conflict with infrastructure availability, Air Installation Compatible Use Zones, flood plains or other factors.**

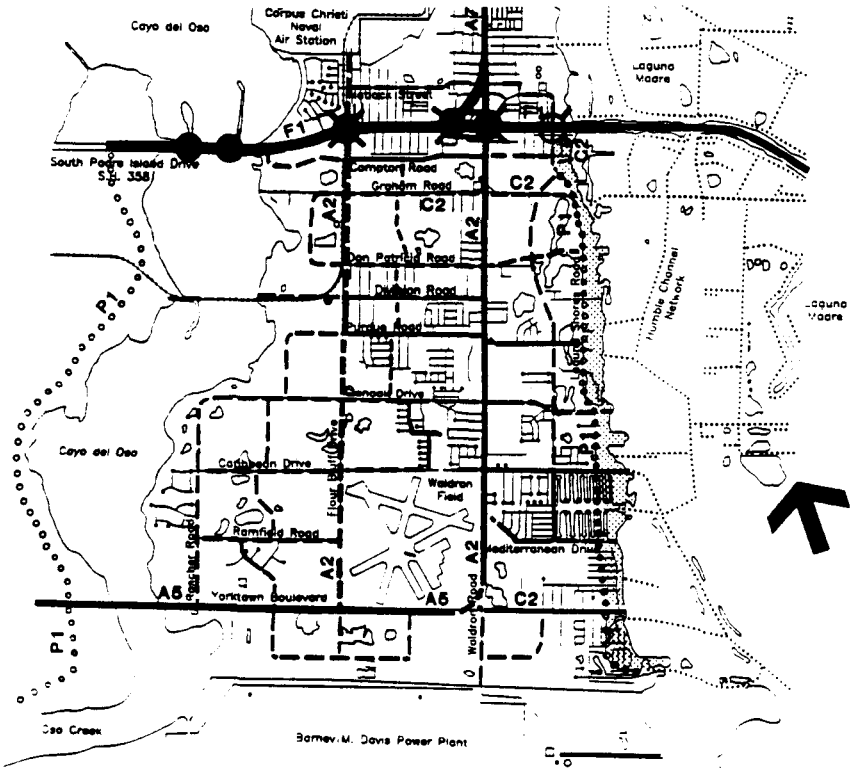
A. ENVIRONMENT

POLICY STATEMENT A.1

To protect the sensitive shoreline environment of the Laguna Madre by creating an overlay zoning district between the shoreline and Laguna Shores Road. (see Figure 2). Creation of an overlay zoning district with site plan review would accomplish the following objectives:

- a. Protect environmentally sensitive lands.
- b. Ensure the best use of private and public open spaces.
- c. Establish design control for shoreline areas, i.e. signage, landscaping, etc.
- d. Protect water quality in the Laguna Madre in keeping with National Pollutant Discharge Elimination System (NPDES) mandates.
- e. Preservation of views from public rights-of-way to public bodies of water.

FIGURE 2 LAGUNA SHORES OVERLAY AREA



Laguna Shores Overlay Zone

POLICY
STATEMENT
A.2
The City should designate the Cayo Del Oso basin as a wildlife area between Ocean Drive and Weber Street. Power/motorized boating should be prohibited in this area.

POLICY
STATEMENT
A.3
The City should continue to work with State and Federal agencies to balance protection of the environment with the development needs of the community. This is especially important in Flour Bluff where many public and privately owned lands contribute to the Bay area and coastal ecosystem.

POLICY
STATEMENT
A.4
All public and private construction should be in accordance with Federal Emergency Management Agency (FEMA) standards. Compliance with these standards will ensure continued availability of flood insurance to the community through the National Flood Insurance Program. Public and private construction should be in accordance with State and Federal programs (e.g. Environmental Protection Agency, Army Corps of Engineers).

POLICY
STATEMENT
A.5
The City will continue to work with the Texas Water Commission to address the discharge of wastes in the City's stormwater system by residential, commercial and industrial uses. The City should initiate a program to increase public awareness of the need to protect water quality by properly disposing of wastes.

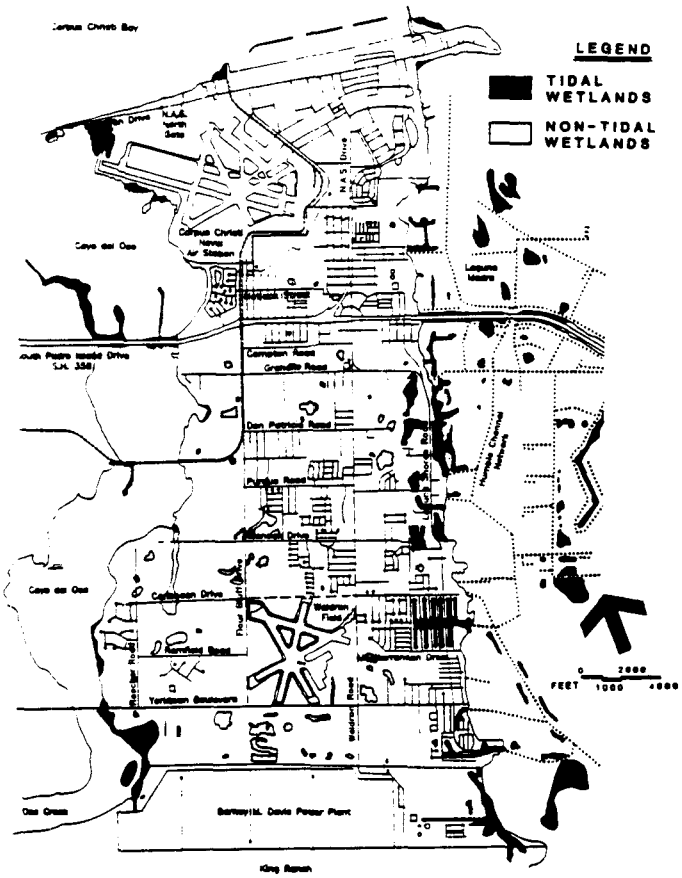
POLICY
STATEMENT
A.6
The City encourages the use of drainage channels as a land use separator between residential and non-residential uses. Use of drainage facilities to separate land uses helps to create a definite edge to a neighborhood and prevent encroachment of non-residential activities.

POLICY
STATEMENT
A.7
Where feasible, the City will encourage drainage channels in residential areas to be of a swale type design as they are more compatible with residential development than the traditional "v" type ditch. Swale type drainage channel allow the opportunity for park like amenities, sidewalks/bike paths while providing flood protection. Such drainage facilities should be located to provide a connection between neighborhoods and, schools, parks, recreation centers and other public places. Natural ground cover rather than concrete liners are preferred.

POLICY STATEMENT A.8

The City will amend the City Code (Sec. #23-68 & #23-71) requiring vacant lots be completely mowed, so that large lots of one (1) acre or more are required to have a 50 foot swath where they abut structures, and a 30 foot swath where such lots abut public rights-of-way. Currently owners of large vacant lots must keep a 50 foot swath clear even when such properties abut vacant lots. This policy change would preserve beneficial habitat and reduce maintenance costs to owners of public and private property.

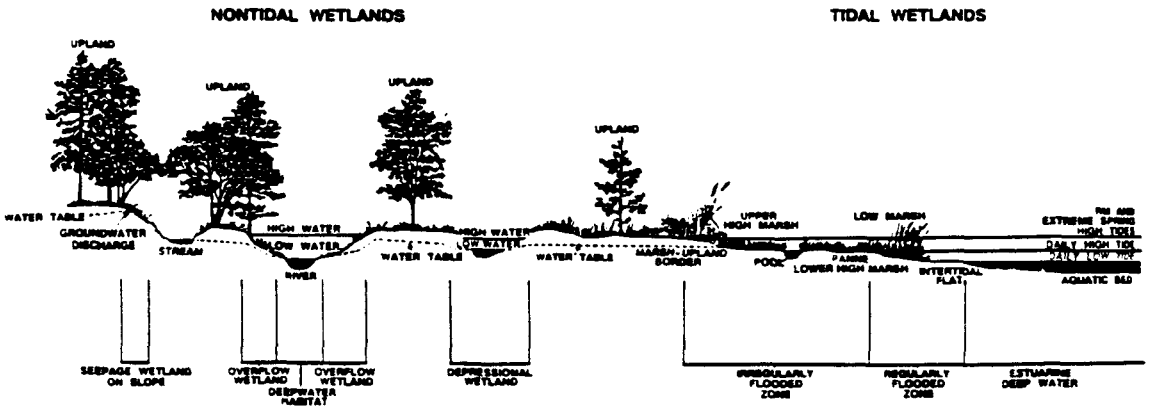
FIGURE 3 WETLAND AREAS



POLICY STATEMENT A.9

The City should encourage groups familiar in habitat objectives to assist in a program to document the location of threatened and endangered species habitats in Flour Bluff. Flour Bluff contains numerous wetland areas and the only remaining stands of live oak brush potholes in Nueces County. According to the U.S. Fish and Wildlife Service these areas contain a wide array of fish and wildlife, possibly including threatened or endangered species. (see Figures 3, 3a, 4 and Appendix A) If these habitats are found, they should be prioritized by the City relative to other such habitats found in the region. A Regional Habitat Conservation Plan is necessary to adequately evaluate and prioritize habitats.

FIGURE 3 A WETLAND SCHEMATIC

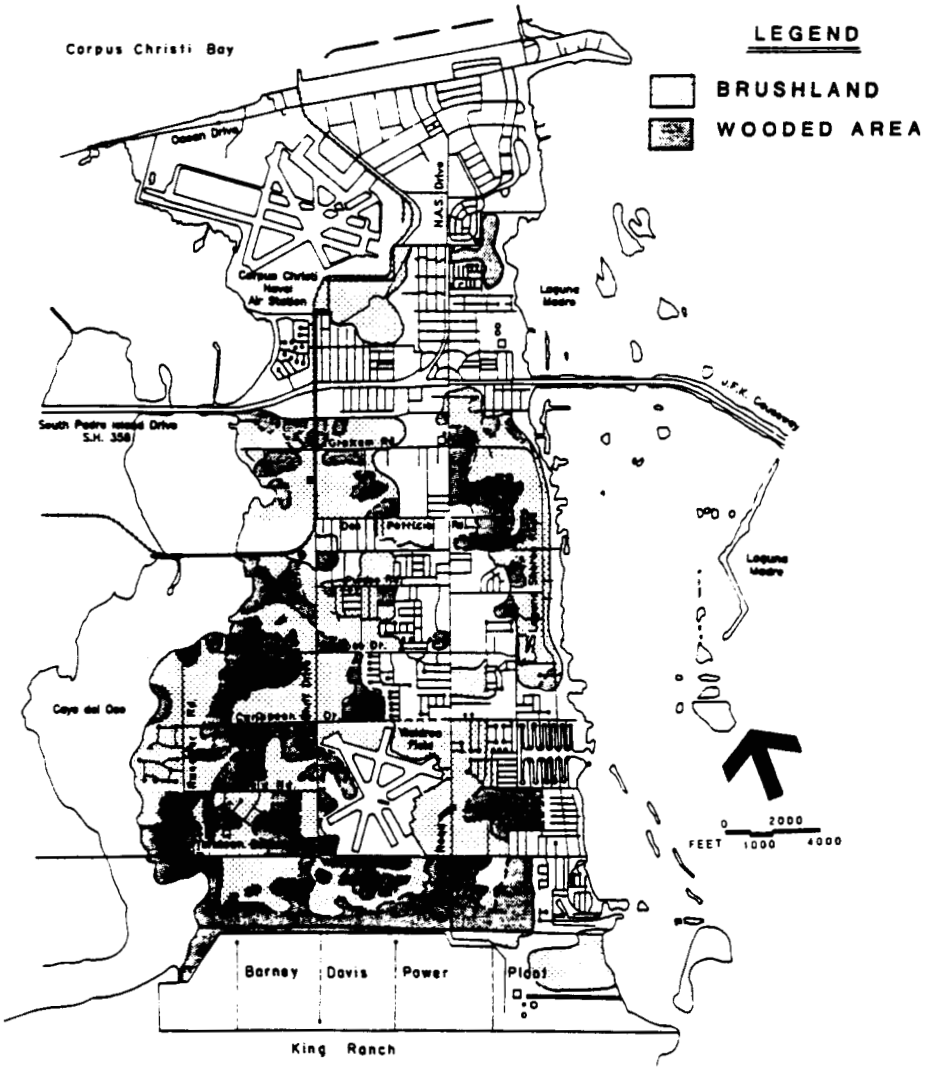


Once prioritized by the City, the City may designate the highest priority areas for acquisition and development restrictions. Lower priority areas could be considered for development restrictions only. Funding for purchase of such habitats could come from local sources or from State/Federal grants.

Development restrictions would allow some development of property with requirements to minimize loss of habitats i.e., larger setbacks, larger open space requirements. A conservation easement program combined with a property tax incentive could also be used to encourage preservation of valuable habitats.

It is important to note that the Governor has recently submitted the region for inclusion in the National Estuary Program. In the Governor's submittal, a major goal is the protection of endangered and threatened species habitats as the Flour Bluff area is of vital importance to the nation as much of the migratory birds depend on these local habitats.

FIGURE 4 BRUSHLAND•WOODED AREAS



POLICY STATEMENT A.10

The City Park and Recreation Department will coordinate with City Engineering Services and U.S. Corps of Engineers to establish a program to monitor Laguna Madre and Cayo del Oso shoreline erosion. Where feasible, scheduled shoreline maintenance and capital improvements should be used to control erosion along City owned shoreline areas.

POLICY STATEMENT A.11

Maintain the one-mile minimum distance from the shoreline for any drilling operations.

B. LAND USE

PLAN STATEMENT B.1

The City Council, hereby, adopts the Land Use Plan (Figure 5) and accompanying text, as a guide for future land use decisions. The Plan provides guidance for future development decisions including rezoning, platting, public services, and capital improvement planning. The land use plan supports environmentally sound development in Flour Bluff. The plan provides a compatible configuration of activities emphasizing:

- a. Protection of residential areas;
- b. Identification of environmentally sensitive areas that should be preserved;
- c. Protection of the Naval Air Station from incompatible activities; and
- d. A parkway along the Laguna Shores shoreline.

The future land use plan recommends those uses which are "most suitable." However, other uses which may also be acceptable are described in Table 1. Those uses described as "also acceptable are more likely to require special buffering to assure compatibility with adjacent uses, or perhaps some other improvements in order to meet the full intent of the Comprehensive Plan.

Table 2 indicates the total acreage of future land uses and potential population of an ultimately developed Flour Bluff area.

POLICY STATEMENT B.2

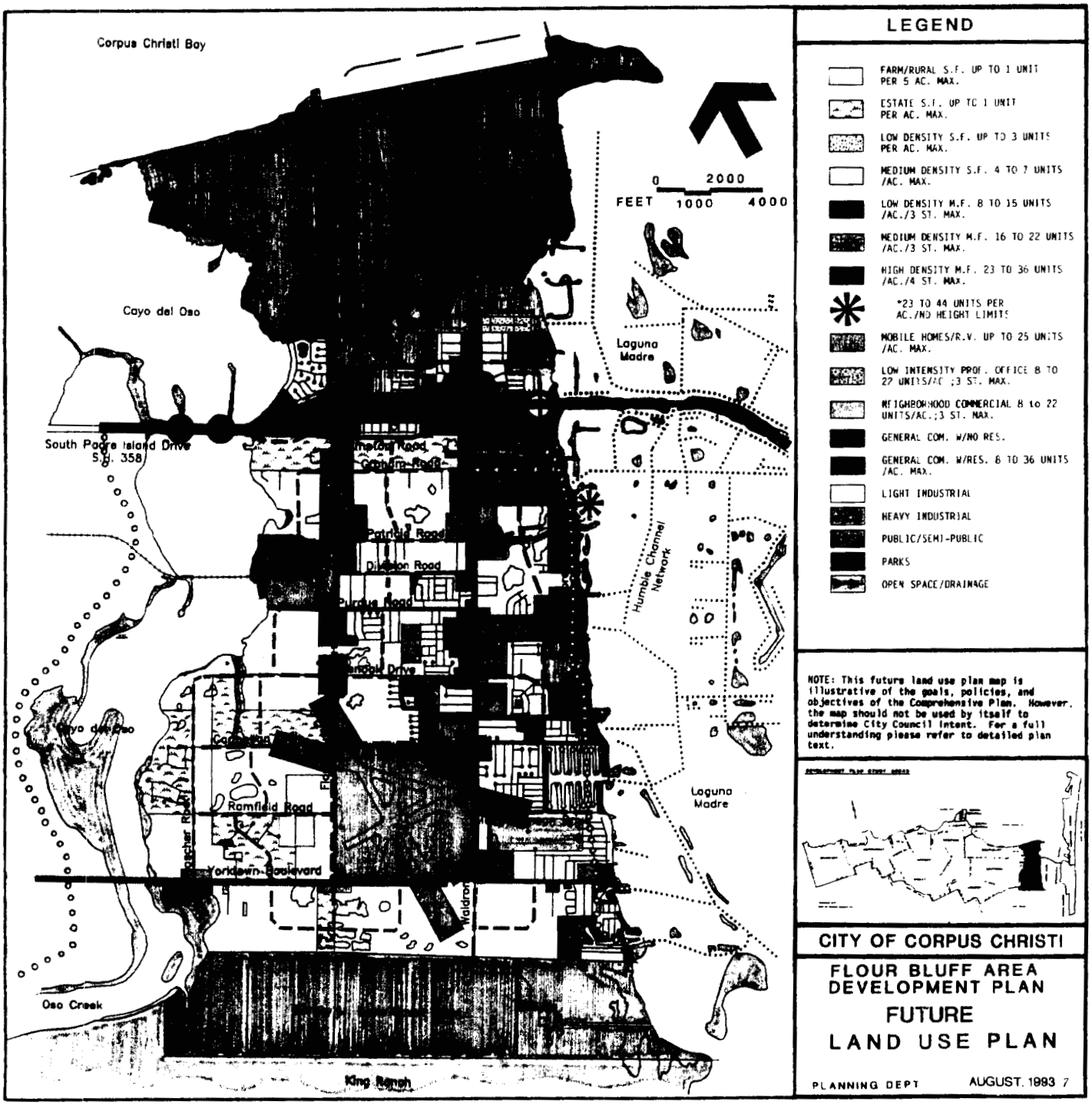
In Table 1, Future Land Use Suitability, the "most suitable land use" column indicates those land uses least likely to cause negative impacts to the surrounding area and which are thought to most directly benefit the public health, safety and welfare of the community. Uses described as "also acceptable" might be permissible but they are likely to be negatively impacted by the most suitable use or surrounding uses unless steps are taken to buffer negative impacts. Steps that should be taken to prevent negative impacts and promote sensitive design are:

- **a. Lighting from non-residential uses should be directed away from residential areas.**

- **b. Noise impacts from non-residential uses should be reduced by creating a buffer open space between the two areas. Such spaces may be landscaped areas, a street, a screening fence, larger setbacks, etc. These methods can be used singularly but are usually most effective when applied in combination to provide the desired effect.**

- **c. Placing low intensity activities next to single family uses.**

- **d. Because non-residential areas are considered most suitable next to higher level roads, "also permitted" uses will need to be buffered from negative traffic noise impacts if they are located immediately next to the highway.**


Corpus Christi Bay
Cayo del Oso
South Padre Island Drive
S.H. 358
Laguna Madre
Humble Channel Network
Patriot Road
Dillon Road
Purdue Road
Ramfield Road
Yorktown Boulevard
Oso Creek
King Ranch
0 2000
FEET 1000 4000
LEGEND
FARM/RURAL S.F. UP TO 1 UNIT PER 5 AC. MAX.
ESTATE S.F. UP TO 1 UNIT PER AC. MAX.
LOW DENSITY S.F. UP TO 3 UNITS PER AC. MAX.
MEDIUM DENSITY S.F. 4 TO 7 UNITS /AC. MAX.
LOW DENSITY M.F. 8 TO 15 UNITS /AC./3 ST. MAX.
MEDIUM DENSITY M.F. 16 TO 22 UNITS /AC./3 ST. MAX.
HIGH DENSITY M.F. 23 TO 36 UNITS /AC./4 ST. MAX.
*23 TO 44 UNITS PER AC./NO HEIGHT LIMITS
MOBILE HOMES/R.V. UP TO 25 UNITS /AC. MAX.
LOW INTENSITY PROF. OFFICE 8 TO 27 UNITS/AC ;3 ST. MAX.
NEIGHBORHOOD COMMERCIAL 8 to 22 UNITS/AC.;3 ST. MAX.
GENERAL COM. W/NO RES.
GENERAL COM. W/RES. 8 TO 36 UNITS /AC. MAX.
LIGHT INDUSTRIAL
HEAVY INDUSTRIAL
PUBLIC/SEMI-PUBLIC
PARKS
OPEN SPACE/DRAINAGE
NOTE: This future land use plan map is illustrative of the goals, policies, and objectives of the Comprehensive Plan. However, the map should not be used by itself to determine City Council intent. For a full understanding please refer to detailed plan text.
CITY OF CORPUS CHRISTI
FLOUR BLUFF AREA DEVELOPMENT PLAN
FUTURE LAND USE PLAN
PLANNING DEPT
AUGUST, 1993 7

FLOUR BLUFF	**ALSO ACCEPTABLE**													
MOST SUITABLE FUTURE LAND USE	FARM/RURAL	ESTATE DEN SF	LOW DEN SF	MEDIUM DEN SF	LOW DEN MF	MEDIUM DEN MF	HI DEN MF	MOBILE HOMES	LOW INT PROF OFF	NEIGHBORHOOD COM	COM W/NO RES	COM W/RES	LIGHT INDUSTRIAL	HEAVY INDUSTRIAL
FARM/RURAL SF; Up to 1 Unit Per 5 Acres														
ESTATE DEN SF; Up To 1 Unit/Ac	√													
LOW DEN SF; Up To 3 Units/Ac	√	√												
MED DEN SF; 4 to 7 Units/Ac		√	√											
LOW DEN MF; 8 to 15 Units/Ac; 3 St Max			√	√										
MEDIUM DEN MF; 16 to 22 Units/Ac; 3 St Max				√	√									
HI DEN MF; 23 to 36 Units/Ac; 4 St. Max.				√	√	√								
MOBILE HMS/RV's; Up to 25 Units/Ac.														
LOW INTENSITY PROF OFFICE; 8 to 22 Units/Ac.;3 St. Max.					√	√								
NEIGHBORHOOD COM; 8 to 22 Units/Ac.;3 St. Max.					√	√			√					
GENERAL COMMERCIAL W/NO RESIDENTIAL									√	√				
GEN COM W/ RES; 8 to 36 Units/Ac.					√	√	√		√	√				
LIGHT INDUSTRIAL									√	√	√			
HEAVY INDUSTRIAL									√	√	√		√	

TABLE 1 - FUTURE LAND USE SUITABILITY

PROPOSED LAND USES	TOTAL ACREAGE	%	HOUSING UNITS	ULTIMATE POPULATION
Farm/Rural SF	390	3.4	78	187
Estate Density SF	407	3.5	407	977
Low Density SF	65	.6	130	312
Medium Density SF	2,243	19.4	12,337	29,609
Low Density MF	135	1.2	1,552	3,725
Medium Density MF	523	4.5	9,937	23,849
High Density MF	14	.1	413	991
Mobile Homes/RV's	186	1.6	2,418	4,392
Low Intensity Prof Office	1	.0		
Neighborhood Com	67	.6		
General Commercial w/No Res	377	3.3		
General Commercial w/Res	291	2.5		
Light Industrial	348	3.0		
Heavy Industrial	93	.8		
Public/Semi-Public	5,832	50.5		
Parks	253	2.2		
Open Space/Drainage	326	2.8		
Total	11,551	100.0	27,272	63,051

TABLE 2 FLOUR BLUFF DEVELOPMENT PLAN ULTIMATE DEVELOPMENT LAND USE ASSUMPTIONS

* Land Use Plan totals include the Naval Air Station (2,604 acres), Barney Davis Power Plant (2,000 acres) and Waldron Air Field (583 acres).

** Residential land uses are discounted by 25 percent to account for transportation needs.

*** Population estimates are totals for ultimate build out and are based on full occupancy, average household size of 2.4 persons, and a mid-point each residential density range.

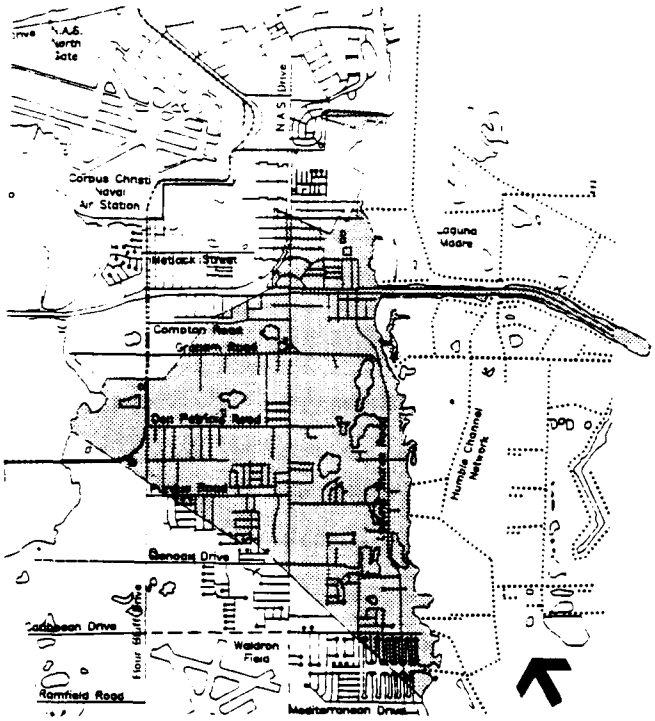
POLICY STATEMENT B.3

The City will change the Platting Ordinance to be consistent with State laws for on-site disposal systems. The Platting Ordinance requires only 15,000 square foot minimum lot size on site-disposal systems. State Law requires ½ acre minimum lot size (21,780 square feet) for a system on public water system, and one acre (43,560 square feet) minimum for systems when on-site water sources are used. (also see Policy Statement D.6)

POLICY STATEMENT B.4

The Joint Airport Zoning Board should consider amendments to the Airport Zoning Height Regulations in Flour Bluff to comply with the Horizontal Imaginary Surface Precision Instrument approach established by the Navy for the Naval Air Station. These regulations should also be amended for Waldron and Cabaniss fields if and when the Navy establishes a Precision Instrument Approach for them. (Figure 6) These proposed amendments should not compromise the planned expansion of Corpus Christi State University. Currently the Military Airport Zoning imaginary surface would allow development of a structure to heights greater than portions of the Navy's Imaginary Surface. Development of structures to these heights could jeopardize NAS operations in Corpus Christi. The Joint Airport Zoning Board should consider the continued presence of NAS operations a critically important aspect of the community.

FIGURE 6 AIRSPACE•IMAGINARY SURFACES



Areas where the existing Military Airport Zoning Ordinance would allow construction heights greater than (130' mean sea level) provided under the Horizontal Imaginary Surface (back-up to primary approach) established by the Navy for the Naval Air Station.

POLICY STATEMENT B.5

The City encourages development that is compatible with the Naval Air Station, Waldron Field, and Cabaniss Field. A primary concern associated with these Naval facilities is land use compatibility in the Navy's Air Installation Compatible Use Zones (AICUZ). These are areas where, due to frequency of over flights and other factors, a measurable potential for aircraft accidents is present. The geographic areas covered by these zones may change in the future due to changes in operations at the air fields, changes in the aircraft using the runways or other factors. The City should maintain constant contact with the Navy to maintain accurate record

of any changes to these zones and change as appropriate any city regulations pertaining to these AICUZs.

Within AICUZs there are three areas with different degrees of accident potential: Clear Zones (CZ); Accident Potential Zone 1 (APZ-1); and Accident Potential Zone 2 (APZ-2). Naval guidelines suggest that Clear Zones be purchased by the Navy as they are the most hazardous areas. Accident Potential Zone 1 is the second highest area of concern and Accident Potential Zone 2 is least hazardous of the three areas.

Existing zoning ordinance regulations do not comprehensively address concerns associated with land use compatibility in the Navy's Accident Potential Zones. Dense residential developments or non-residential uses which congregate large groups of people should be prohibited in Accident Potential Zones.

Due to the significant amount of existing development within these APZs it is not feasible, at this time, to strictly follow the Navy's use guidelines which call for:

○ a. Accident Potential Zone 1 - prohibit residential uses and non-residential uses which may congregate large groups of people.

○ b. Accident Potential Zone 2 - limit residential development to 1 or 2 units per acre and prohibit non-residential uses which may congregate large groups of people.

Given these concerns the following short and long term objectives are recommended:

■ SHORT TERM OBJECTIVES

○ a. The City encourages the Navy to continue purchasing any remaining clear zone areas as these are the most hazardous of the Navy's Air Installation Compatible Use Zones.

○ b. Non-residential uses and residential uses which may congregate large groups of people should be prohibited from locating in APZ - I or APZ - II areas. The City should create an APZ Overlay Zone, for APZ areas (see Figure 7), to prohibit the following new uses in any underlying base zoning districts:

- hospitals
- places of worship (indoor or outdoor)
- schools/universities
- stadiums/athletic fields
- fairgrounds/circus grounds
- child care centers/nursing homes
- theaters/auditoriums (indoor or outdoor)
- exposition halls
- clubs and bars with seating for more than 50 people or for more than 100 persons per acre
- amusement park
- motels/hotels
- public swimming pools, or natatoriums
- any other private or public facility for the assembly of more than 100 persons per acre.
- any new residential use with a density of greater than 1 unit per net (does not include street right-of-way or other public properties) acre for APZ-1 and 2 units per net acre for

APZ-2 except where the base zoning is more restrictive, then use base zoning residential density/use requirements.

In addition, storage of explosives should be prohibited in any Clear Zone or Accident Potential Zone.

○ c. City housing rehabilitation programs should only be used in areas where residential land use is recommended and where residential zoning exists.

○ d. Public purposes being served by existing and planned expansion to Corpus Christi State University are considered appropriate.

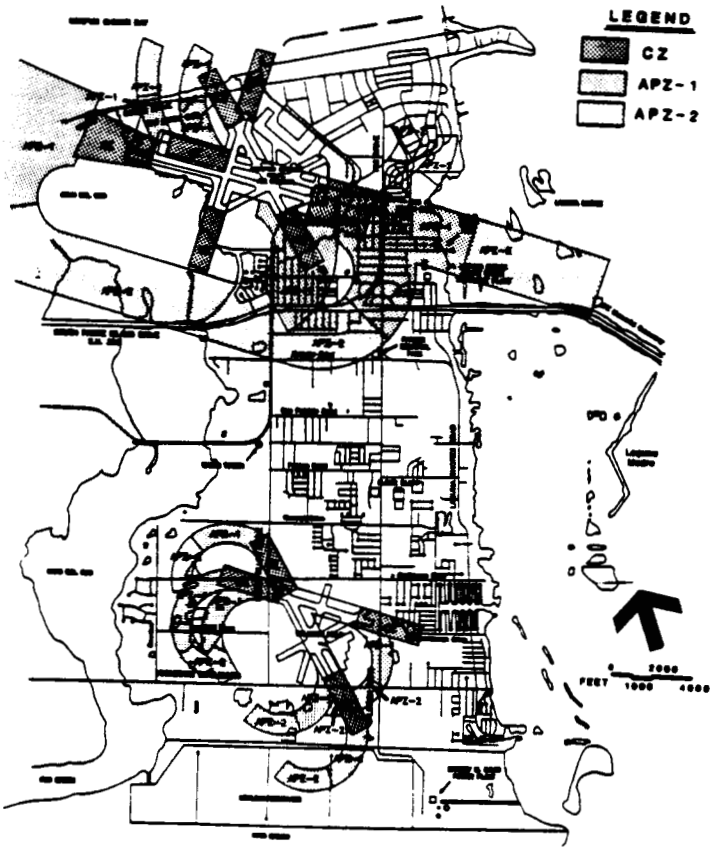
■ LONG TERM OBJECTIVES:

○ a. Continue overlay zone requirements contained in the short term objective and change the base zoning as recommended below. Consideration should be given to prohibiting new residential uses in APZ-1.

○ b. Residential areas located within APZs and north of South Padre Island Drive (SPID) and between Flour Bluff Drive and the Laguna Madre Shoreline should gradually transition to commercial and industrial uses. The City should facilitate this transition by approving rezoning requests for commercial or industrial zoning where there is adjacent commercial or industrial zoning or where it can be shown that the rezoned area can protect adjacent residences. Gradually, residential uses would be phased out of the area.

○ c. Property surrounding Waldron Field within Czs and APZs should not be rezoned for higher intensities than currently exist unless specified on the future land use plan map.

FIGURE 7 ACCIDENT POTENTIAL ZONE OVERLAY



POLICY STATEMENT B.6

The City should amend the 1987 Excavation Ordinance (Article IV) to include the following performance objectives:

○ a. Discourage excavations from locating near existing or future residential or commercial areas;

○ b. Establish a land reclamation requirement to prevent excavation pits from becoming a permanent blight on the land;

○ c. Revise the current ordinance (Section 13-156), to include site plan submission and review, a phasing program, outline of final land form, and reclamation of land; and

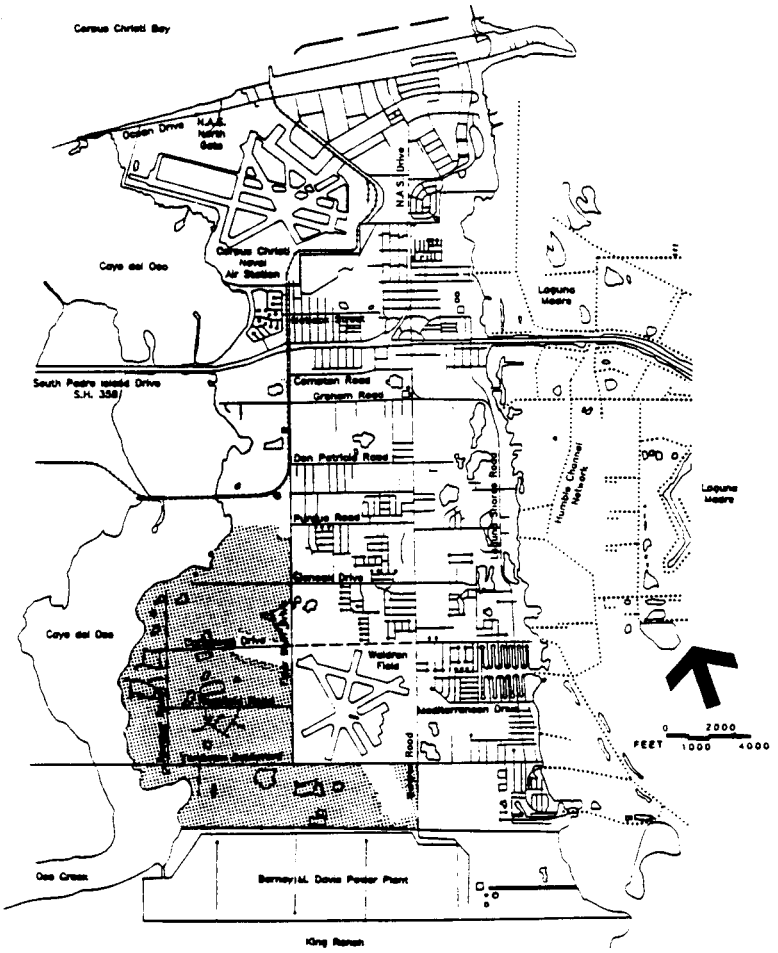
○ d. Require a bond to guarantee compliance.

The 1987 Ordinance addresses the permitting and environmental concerns before property can be used for excavation. However, the ordinance does not provide sufficient enforcement power to require complete or partial restoration of the land after excavation has been completed. At this time there is no guarantee for compliance. Bond posting requirements are strongly encouraged as an amendment to the ordinance. Posting a bond would guarantee compliance with restoration requirements.

POLICY STATEMENT B.7

The City should continue to encourage large lot development in the southwest quadrant (Figure 8) consistent with the existing development trend in the area and to preserve environmental qualities of the area. The southwest quadrant (bounded by the Cayo del Oso, Purdue Road, Barney Davis Power Plant, Flour Bluff Drive and Purdue Road) is characterized by a unique and sensitive natural environment. The City should support protection of this environment encouraging a continuation of the existing trend of large lots (1 acre or larger). Large lot development will help to protect the unique natural shrubbery, oak mottes, etc. in the area that would normally be lost as an area becomes developed. Large lot development is compatible as a buffer to the industrial use of the Barney Davis Power Plant which borders the south end of Flour Bluff.

FIGURE 8 SOUTHWESTERN QUADRANT



Objectives for the southwest quadrant include:

○ a. In the southwest quadrant where 1 unit per acre residential density is proposed, allow rural streets with no curb and gutter, as rural streets are more consistent with the large lot, low density development recommended for the area. Surface drainage channels accompanying rural streets serve as retention areas, while reducing development costs.

○ b. Require hook-up to city sanitary sewer when and if such service is available. Where such service is not available, allow on-site disposal technologies that offer the best protection to the natural environment and which meet state law.

POLICY STATEMENT B.8

Amend the City's Highway Beautification Ordinance to increase minimum billboard spacing from 500' to 1,500'. This spacing standard is consistent with Texas Department of Transportation (TXDOT) and many large Texas cities' standards.

POLICY STATEMENT B.9

The City encourages expanded and additional recreation vehicle areas to serve tourists. Rezoning of proposed commercial and/or multi-family land use near SPID and adjacent to the Laguna Madre for recreational vehicle usage should be encouraged. Zoning this area for recreation vehicles would take advantage of the natural resource of the Laguna Madre, excellent access to SPID and would meet community objectives to minimize potential for property losses in flood prone areas (due to the mobile nature of this use).

POLICY STATEMENT B.10

Gateways are designated in Figure 9 as areas where public landscaping should be used to beautify rights-of-way. Gateways are designed to give a sense of place marking passage from one area to another. Design objectives for gateways:

○ a. The City Park and Recreation Department should work in conjunction with the TXDOT to develop a landscaping plan for gateway areas. Such a theme may include a palm planting program similar to those recommended in other areas of the City (North Central Area). The TXDOT Landscape matching program should be used to help finance this program.

○ b. Placement of major landscaping, statuary, and lighting at gateways to create a distinct and memorable entrance to an area.

○ c. Gateway improvement are to be placed on public property however, private property owners are encouraged to make such improvements when they are consistent with locations for gateways expressed in the Comprehensive Plan.

○ d. Utilize city-owned property for a landscaped gateway/mini-park at the entrance to Flour Bluff.

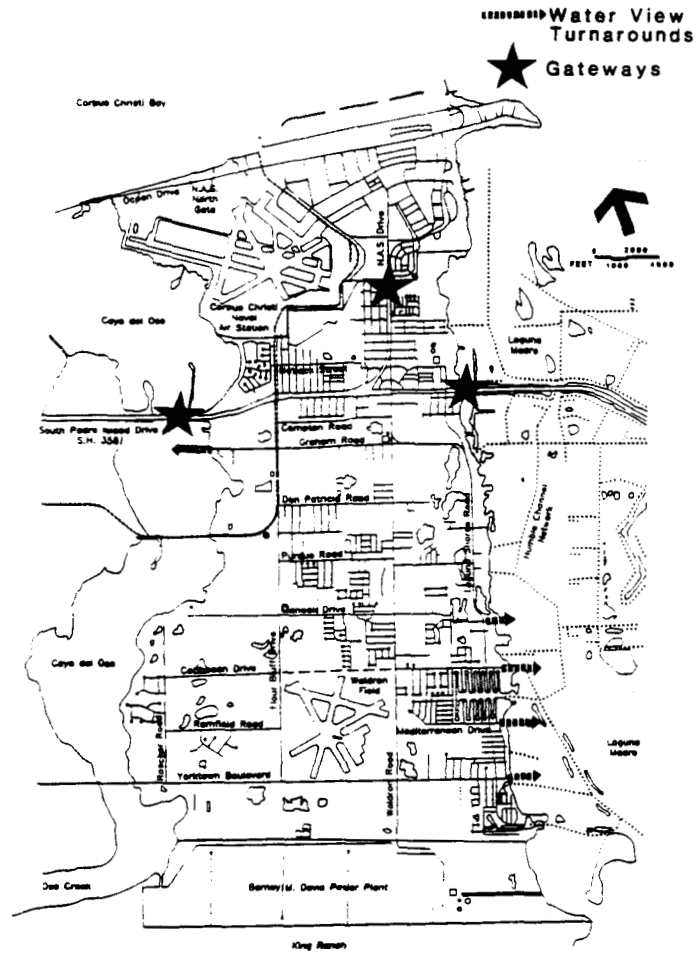
○ e. If approval can be obtained from the TXDOT utilize Park Road 22 right-of-way or purchase private property for a landscaped gateway to the JFK Causeway near the Laguna Madre Shoreline and Park Road 22.

POLICY STATEMENT B.11

Designation of water view turn-a-rounds on Figure 9 are intended to maintain and enhance existing public access to Cayo Del Oso and the Laguna Madre. These areas provide opportunities to view the natural beauty of the Cayo Del Oso and the Laguna Madre and the hundreds of bird species that inhabit/or migrate thru the area. Design objectives for each of these areas include:

- a. Minimum 60' right-of-way and sufficient right-of-way to create turn-a-rounds;
- b. Construction of turn-a-rounds at the Laguna Madre terminus of Glenoak Drive, Caribbean Drive, Mediterranean Drive and Yorktown Blvd.;
- c. Construction of turn-a-rounds at the Cayo Del Oso terminus of Graham and Glenoak Drives;
- d. Creation of "look-outs", with public seating, landscaping, lighting, public parking etc.; and
- e. Where feasible, seek public access on state lands to enhance existing city property at minimal cost.

FIGURE 9 GATEWAYS AND WATER VIEW TURN-A-ROUNDS



POLICY STATEMENT B.12

Existing Industrial uses south of South Padre Island Drive between Waldron Road and Laguna Shores Drive should be encouraged to transition into uses compatible to adjacent proposed multi-family land use if, and when the current uses are discontinued. (see Future Land Use, Figure 5)

POLICY STATEMENT B.13

The City encourages opportunities for mixed commercial and residential uses when such mixed use development is part of a well integrated land use and public service plan of development.

THIS PAGE RESERVED

C. TRANSPORTATION

PLAN STATEMENT C.1

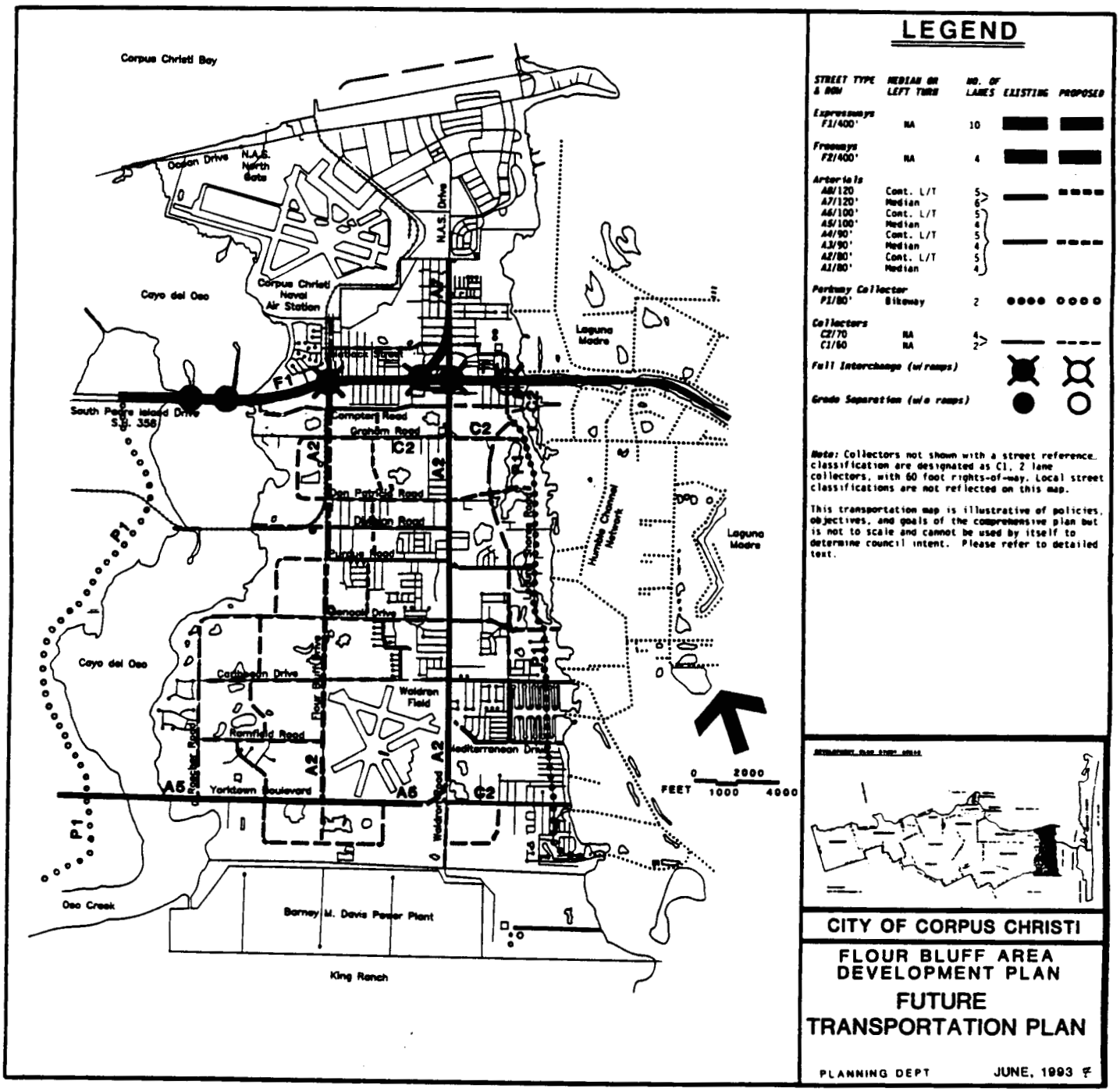
The City Council adopts the Transportation Plan (Figure 10) as a guide for future transportation decisions. The transportation network of this plan constitutes a recommendation by the City to amend the Metropolitan Planning Organization Urban Transportation Plan. Upon adoption, the plan will be submitted for review and inclusion in the MPO Master Transportation Plan. Implementation of this transportation plan facilitates:

○ a. efficient emergency access, especially with regard to the Laguna Shores Road area;
○ b. relieve future traffic congestion; and
○ c. accomplish efficient transportation and development with minimal disruption of the natural environment.

Some recommended changes include but are not limited to:

▸ 1. Extend Compton Road westward, as a 2 lane collector street, from Flour Bluff Drive and swinging up to intersect with SPID.
▸ 2. Redesignate Graham Road from a 2 lane collector to a 4 lane collector between Flour Bluff Drive and Laguna Shores Road.
▸ 3. Redesignate Laguna Shores Road from an arterial to a 4 lane collector between Park Road 22 and the proposed Debra Street intersection.
▸ 4. Redesignate Laguna Shores Road from an arterial to a 2 lane parkway between the proposed Debra Street intersection and Yorktown Blvd. (a rural street cross section is acceptable without curb and gutter between Glenoak and Graham Road and should include continuous stabilized 7-8 shoulders on both sides of Laguna Shores and an 8' concrete bikeway on the water side of the street. (also see Policy Statement D.12)
▸ 5. Extend Jamaica/Debra Streets as a 2 lane, neighborhood collector, northward to Laguna Shores Road.
▸ 6. Redesignate a portion of Yorktown between Waldron Road and Laguna Shores Road from an arterial to a 4 lane collector.
▸ 7. Designate Compton and Knickerbocker Streets as 2 lane collectors.
▸ 8. Redesignate Stone/Jester Streets from collector to local streets and designate a loop 2 lane collector system between Flour Bluff Drive and SPID on Matlock, Claride and Lakeside Streets.
▸ 9. Designate Division Road as a 2 lane collector between the Cayo Del Oso and Waldron Road. Note, designation of Division Road provides an opportunity to cross the Cayo Del Oso should there be a need to do so in the future.
▸ 10. Delete proposed collector connections between Glenoak and Yorktown west of Flour Bluff Drive.
▸ 11. Illustrate proposed extension of Caribbean Drive Street between Waldron and Flour Bluff Drive however, it is important to note that this extension of Caribbean should not traversed the existing Waldron Park and proposed recreation facilities on Waldron Field. (See Policy D.14)
▸ 12. Realign proposed collector between St. Peter Street and Caribbean Drive to existing St. Francis Street.
▸ 13. SPID grade separation with east bound on-ramp and a west bound off-ramp at the Park Road 22/Laguna Shores Road intersection. Such a configuration should be considered long range and is only an option, subject to evaluation and study in combination with the raising the JFK Causeway.

FIGURE 10 TRANSPORTATION PLAN



▸14. Delete extension of Jamaica between Mediterranean and Yorktown.
▸15. Retain public rights-of-way at the Laguna Madre terminus of Glenoak Drive, Caribbean Drive, Mediterranean Drive and Yorktown Blvd. and at the Cayo Del Oso terminus of Graham Road. Retention and/or expansion of these streets to a 60' minimum right-of-way to state waters is necessary. These streets will provide opportunities for turn-a-rounds, looks-outs, limited public seating, lighting and landscaping.

POLICY
STATEMENT
C.2
The City encourages the Navy to expedite the closure of streets within clear zones and to establish a security fencing around all Clear Zones. This will reduce the opportunity for unauthorized access to the Naval Air Station lands.

POLICY
STATEMENT
C.3
To assure adequate circulation and egress in times of emergency, the City places as a priority extension of Debra/Jamaica Street as a north/south collector north of Mediterranean to serve as relief to Laguna Shores Road. The 6 inch seasonal tide makes Laguna Shores Road impassible. Compounding this, the section of Laguna Shores from Graham to Caribbean is in a FEMA V zone, which makes the area susceptible to flooding and wave action. Furthermore, upgrading Laguna Shores to full arterial status would be difficult or impossible given existing (federal) environmental regulations in this area. Debra Street should be extended as a second collector running parallel to Laguna Shores Road to be used for the bulk of the traffic. Debra Street could also serve as a backup for Laguna Shores Road since there is often road closure from Purdue to Graham.

POLICY
STATEMENT
C.4
Continue sidewalk improvement programs including those associated with the Voluntary Paving Program, the School Sidewalk Program, the street capital improvement program, and as part of new subdivision development. In addition, "sidewalk only" street improvements should be based on the following criteria:

- **Sufficient right-of-way exists to permanently place the sidewalk thus avoiding sidewalk relocation costs when full street improvements are constructed.**
- **Priority should be given to projects likely to serve the greatest number of users.**
- **Priority should be given to projects which are most likely to increase pedestrian safety.**

POLICY
STATEMENT
C.5
CAPITAL IMPROVEMENT NEED
Policy objectives in descending order of priority for improvements should be projects which will efficiently serve the Flour Bluff Area with emphasis on:

1) Completion of currently recommended capital improvement program (CIP) street projects,

2) Better access from areas and roads subject to periodic flooding, and

3) Enhanced access to and from South Padre Island Drive.

The following is a prioritized group of transportation improvement projects for the Flour Bluff area. Each of these projects is subject to change during the City's annual capital improvement prioritization process. The list is broken down into three categories:

- **I. CIP Recommended Projects - highest priority group in current Capital Improvement Program;**
- **II. CIP Future - medium priority included in current CIP;**
- **III. High Priority ADP Projects - not included in the current CIP, however, these projects should be considered for inclusion in either category I or II; and**
- **IV. ADP Proposed - lowest priority not included in current CIP (See Figure 11).**

I. CIP Recommended Projects:

- Waldron Road - Compton to Purdue
- Knickerbocker Street Extension - Waldron to O'Connell

II. CIP Future Projects:

- Laguna Shores Road - SPID to Yorktown
- Graham Road - Flour Bluff Drive to Laguna Shores
- Caribbean Drive - Waldron to Laguna Shores
- Matlock/Claride - NAS to Flour Bluff Drive
- Flour Bluff Drive - SPID to Yorktown and SPID to Sunbird
- Claride/East Lakeside - NAS to SPID
- Waldron Road - Caribbean to Yorktown
- Yorktown Blvd. - Cayo del Oso to Waldron
- Glenoak Drive - Flour Bluff Dr. to Laguna Shores
- Flour Bluff Neighborhood Streets - curb/gutter/sidewalk improvements contingent on residents' petition for improvements
  - Gateway Park Area Streets
  - Catcay - Caribbean to cul-de-sac
  - Azores - Caribbean to cul-de-sac
  - Jamaica - Mediterranean to Caribbean
  - Laguna Shores - Mediterranean to Caribbean

III. High Priority ADP Proposed Projects:

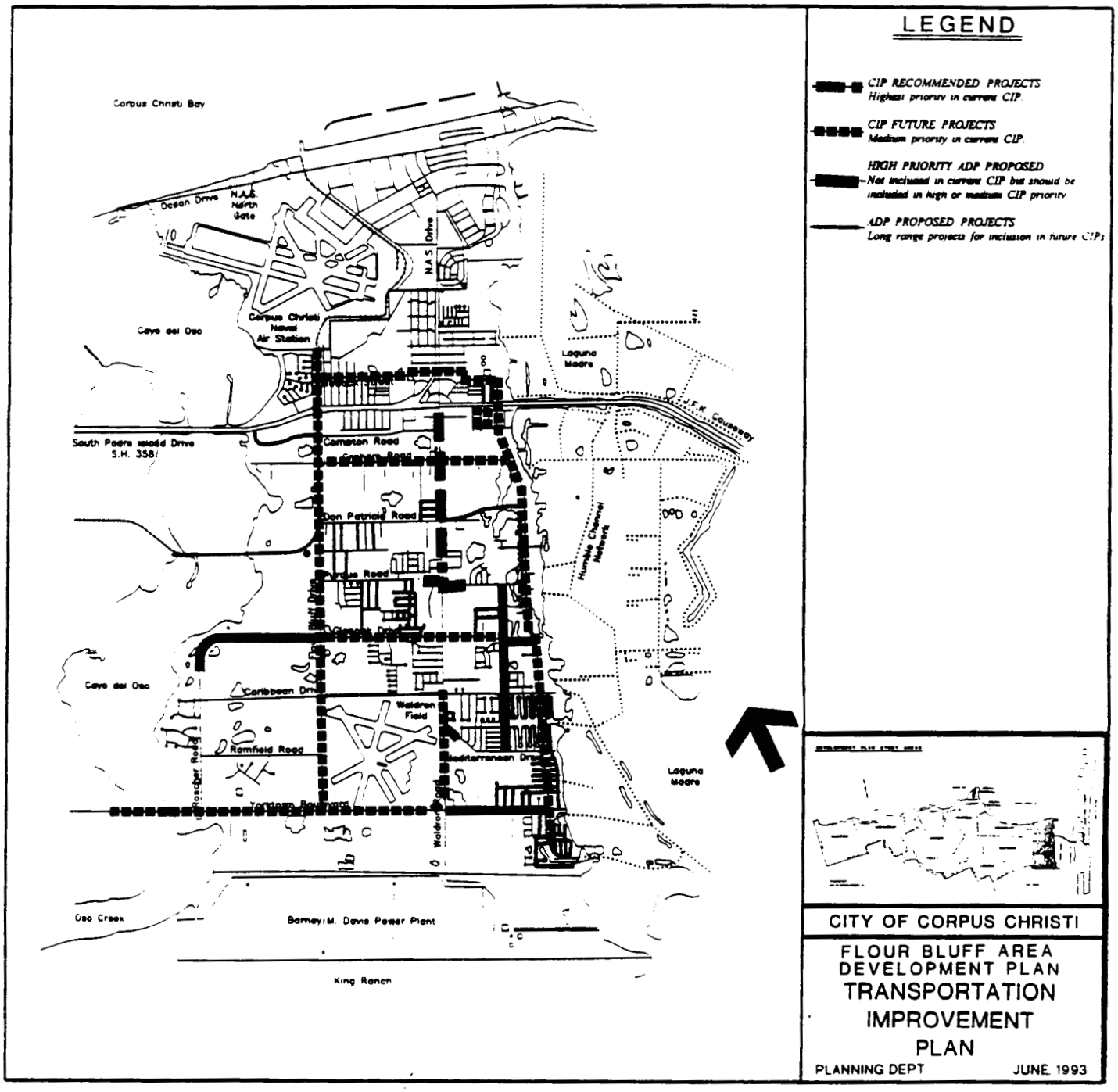
- Mediterranean Dr. - Tranto Street to Waldron Drive
- Debra/Jamaica Extension - Caribbean to Purdue Road (see C.3)
- Glenoak - connect with Roscher Road
- Purdue/Waldron intersection - eliminate off set
- Yorktown - Waldron to Laguna Shores Road

IV. ADP Proposed:

○Caribbean - Flour Bluff Dr. to western edge of Waldron Park
○Laguna Shores - Yorktown to south terminus
○Don Patricio - Waldron to Laguna Shores
○Compton - Flour Bluff Drive to SPID
○Neighborhood Street Improvements - curb/gutter/sidewalk improvements contingent on residents' petition for improvements

- ▸Flour Bluff Gardens
- ▸Don Patricio Subdivision
- ▸Bakers Acres
- ▸Homedale Subdivision/Retta Dr.
- ▸Waldron Subdivision
- ▸Oak Ridge/Laguna Heights subdivisions
- ▸Laguna Vista Shores/Holiday Harbor
- ▸Bayside Acres/Yorktown Heights
- ▸Blue Water/Tyler Subdivisions
- ▸Laguna Madre Cove
- ▸Bayberry Terrace
- ▸Tropic Isles

FIGURE 11 TRANSPORTATION IMPROVEMENT PLAN



D. PUBLIC UTILITIES AND SERVICES

POLICY STATEMENT D.1

The City will up-date its water, wastewater, stormwater and other appropriate master service plans to accommodate development proposed in the Flour Bluff ADP.

WATER

POLICY STATEMENT D.2

The City will construct the distribution main on Laguna Shores Road between SPID and Division Road.

POLICY STATEMENT D.3

Develop a five year program to bring substandard water lines into compliance. Give highest priority to areas with the greatest population density. Give higher priority to those streets where street improvements i.e., widening, curb/gutter installation etc. could be combined with water line replacement. Potential funding sources: revenue bonds; state/federal grants; and/or use funds from water revenues.

Expand the street paving assessment program to include an option to improve substandard water lines, gradually improving water mains in areas where the property owners are willing to participate in a voluntary assessment program.

STORMWATER

POLICY STATEMENT D.4

The City will work with Federal and State agencies to use, where feasible and environmentally beneficial, natural or man-made wetlands as stormwater retention facilities.

POLICY STATEMENT D.5

The City will strive to assure stormwater discharges occur where the soil is stable, or require dissipaters. This would reduce the amount of erosion, which contributes to stormwater flow problems and degradation of water quality consistent with NPDES mandates. At the same time the

City should encourage stormwater system development which uses existing natural and man-made retention ponds.

WASTEWATER

POLICY STATEMENT D.6

The overall long range goal for wastewater service in Flour Bluff is to continue eliminating on-site disposal systems. Due to the sensitive wetlands environment, protection of water quality and, high water table which make traditional on-site septic systems less feasible than in areas with deeper water tables, the City should require residents to tie on to the system when it is made available.

Development objectives:

○ a. Until City wastewater service can be provided to undeveloped portions of Flour Bluff, environmentally safe on-site waste disposal systems may be used only if they meet State standards.

○ b. Continue the wastewater program that provides a discount of pro rata and hook-up fees for property owners who tie onto new wastewater lines within a reasonable time after installation (3 years).

○ c. Request funding from Community Development Block Grants (CDBG) for a low interest loan program to assist low income property owners who wish to tie onto the city wastewater system. Such funding could also come from Utility Department Revenue and loan payments could be made via the utility bill to minimize red tape.

PARKS & RECREATION

POLICY STATEMENT D.7

The City will restrict expansion of recreation facilities at Dimitt Pier and Caribbean Park as they are in the Navy's Air Installation Compatible Use Zones (AICUZ).

POLICY STATEMENT D.8

Expansion of Parker Park to the west along Graham Road is a top priority. New property is needed to expand parking for the adjacent community center.

POLICY STATEMENT D.9

Initiate a design study to provide a new multi-use facility at Parker Park, possibly including a branch library (see D.15), a location for cultural exhibits, displays and events. If a branch library is incorporated into this park it must be carefully planned to complement existing and proposed park improvements. These proposed improvements might include a theme play area, centered around Corpus Christi history, such as Karancahua, Spanish explorers or information about the King Ranch. Inclusion of an outdoor congregation area/amphitheater (outside AICUZs) could be a central part of this concept.

POLICY STATEMENT D.10

Through donation, dedication or purchase acquire land for a park(s) along the Cayo Del Oso and the Laguna Madre as indicated on the future land use plan map. These parks include, but are not limited to, the following locations:

- a. On either side of the Oso rail road bridge and Division Road;
- b. The southside of Yorktown Blvd. where Yorktown crosses the Cayo Del Oso; and
- c. A 20 to 30 acre community park along the Laguna Madre Shoreline.

POLICY STATEMENT D.11

The City development objectives for the Cayo Del Oso shoreline (see Figures 2 and 10) include:

- a. Gateway improvements to city owned property at the entrance to Flour Bluff. Such improvements should include landscaping, appropriate signage, lighting and, if there is sufficient room on the property, seating areas for viewing the Cayo Del Oso.
- b. The City will develop and improve fishing areas, vehicular access and parking at the Naval Air Station Railroad bridge connecting to Division Road on Flour Bluff and Holly Road on the southside. It is possible to use the bridge for a bike/jogging path link between the east and west shores of Cayo del Oso. However, the bike/jogging path must be safely separated from fishing activities on the bridge.
- c. Designated park south of Yorktown Blvd. on the Cayo Del Oso.

POLICY STATEMENT D.12

Develop Laguna Shores Road into a scenic parkway.

Development objectives include:

- a. A key element of the proposed parkway would be a bikeway in the street right-of-way. The bikeway should be 8' wide, placed on the east side of the parkway, constructed of concrete and separated from the main vehicular travel lanes.
- b. Develop the green belt potential of the parkway by creating intersecting bikeways along drainageways and streets that connect with the parkway.

○ c. Beautify the entrance to the Parkway at SPID. A gateway with landscaping and appropriate signage with lighting should identify the entrance to the parkway.
○ d. Where approval can be obtained from appropriate agencies obtain state grants to install parking/observation structures next to the red duck pond and other areas near the Laguna Madre. The city should consider using the 40' right-of-way south of the Red Duck Pond for parking and birdwatching observation structures. Where city land is not available, the City should seek leases with the General Land Office to provide these facilities.

POLICY STATEMENT D.13

To increase building use and service to residents the City will pursue a joint use agreement with Flour Bluff Independent School District (FBISD) for recreation and park facilities. Presently the City has an agreement for use of classrooms only, for the Latchkey Program. The agreement would include gymnasiums, ball fields, tennis courts, etc. for expanded recreational programs.

POLICY STATEMENT D.14

Due to deteriorated facilities, inefficient design, limited expansion areas and conflicts with navy operations, the City will relocate the Joint use facility at the southeastern corner of Waldron Field. Relocation of this facility will be contingent upon obtaining a lease for recreational use of naval property at the northeastern corner of Waldron Field with access to Waldron Park and frontage on Waldron Road. If a lease can be obtained, the City will develop a youth sports complex adjacent to Waldron Park on Navy property. Primary street access will be provided off of Waldron Road.

LIBRARY SYSTEM

POLICY STATEMENT D.15

Consistent with the City Library Master Plan initiate a design study to provide a new 12,000 square foot branch library. The City and Flour Bluff Independent School District should determine if a joint use facility is feasible. If it is not feasible, a new branch library should be built in the vicinity of Parker Memorial Park.

The Parker Park location provides a cost efficient and complementary combination of city services i.e., swimming pool, senior center, tennis courts, health department center etc., and provides excellent access to the many Island residents who use the library. In addition, construction of a branch library at Parker Park provides and opportunity to combine the new library with recreational multi-use facility. (see Policy Statement D.9)

Design and location objectives in the vicinity of Parker Park should include:

○ a. Location of the library outside of the Navy's Accident Potential Zone 2 which cuts across the rear portions of the park.
○ b. Provision of parking with an adequate number of spaces for joint use by the library, health clinic, community center, and passive/active recreation user which can be located in the APZ-2.
○ c. Construction of a single story library facility rather than a multi-story structure. In order to provide sufficient land area one option that should be considered is the relocation of the existing tennis courts to the vacant northern portion of the park (inside APZ-2).
○ d. Rezoning of the property to an appropriate zoning district.
○ e. If sufficient space can be made available, garage space for a bookmobile serving island residents should be provided.

COMMUNITY DEVELOPMENT

POLICY STATEMENT D.16

The City should strengthen CDBG marketing and public awareness programs for qualifying residents and commercial uses. Although portions of Flour Bluff may be eligible for Community Development Block Grant programs, residents have rarely participated in these programs.
Public awareness can include: an intense program of neighborhood meetings, advertisement, house to house canvasing, and targeting of areas for street, curb, and gutter improvement. While meeting plan recommendations for residential and business activities in AICUZs, the City should encourage community development programs for:
○ a. code enforcement;
○ b. neighborhood improvement and beautification;
○ c. housing rehabilitation; and
○ d. neighborhood relocation.

POLICY STATEMENT D.17

The City will increase attention to areas of blight since they create a negative aesthetic reflection of the community, and are a hazard to the health and welfare of the citizens.
Following sound land use practices contained within the Comprehensive Plan will help to prevent future residential developments from the negative impacts created by industrial and commercial developments. In addition, the City will help reduce existing blight influences by:
○ a. where feasible providing landscaping improvements in public rights-of-way along the SPID/NAS Drive corridor;
○ b. encourage private property to exceed required landscaping improvements and provide landscaping improvements along SPID and NAS Drive;
○ c. where consistent with future land use, provide incentives to encourage rehabilitation of older areas, or relocate housing or residents, to areas that provide safe, sanitary housing;
○ d. pursuit of code enforcement of buildings and signs along NAS Drive and SPID. This would improve appearance and instill pride in the area and the community.

CAPITAL IMPROVEMENTS

POLICY STATEMENT D.18

The following services/improvements appear to warrant consideration in the city's five year capital improvement program.

Throughout the public meetings, the need for basic services was a common thread in discussions. Clearly, there is significant need for public improvements in the Flour Bluff area. However, in responding to this issue, it is imperative that we make a distinction between those improvements for which the City is responsible and those that will be implemented by developers and property owners as a condition for city approval of development permits. Furthermore, many improvements suggested in the plan may whether or not a city responsibility will not be needed for many years to come. The improvements listed below are considered both needed in the near term and a responsibility of the city.

○ Extend Mediterranean Drive to Waldron Road - one of the most densely populated areas of Flour Bluff is the Tropic Isles and Caribbean Subdivisions. This extension of approximately 600' would reduce traffic on Caribbean Drive...currently the route to Waldron Road from this area.

○ Improve the Purdue/Waldron Street intersection with the objective to eliminate the off-set of Purdue Street thereby creating traditional and safer 4 way intersection. This will also eliminate the need for two traffic lights. Purchase of property on both the east and west sides of Waldron Road would be needed. Most of the property that would be need is currently vacant.

○ Continue to proactively install fire hydrants/improve water systems that do not meet standards. Continue to require new development to meet current standards for fire hydrant location and water system design.

○ Reconstruction and widening of Flour Bluff Drive has been identifies as one of the priorities for the next bond program which would require voter approval. The project would have to compete with all other needs recommended for funding. If Flour Bluff Drive cannot be fully improved during the next five years consider lower cost intermediate improvements. Left turn lanes at Graham, Purdue, and Glenoak Drives would help keep traffic moving and prevent motorists from passing on the shoulder. This is especially important as there are no sidewalks along this street and pedestrians sometime stray near the street shoulder area. Such right-of-way would be required as dedication when any of these property owners plat their property or purchased as money becomes available.

○ Approximately 600 septic systems exist in Flour Bluff. Almost 400 of these systems serve property that has an existing wastewater main available to serve the property. Current City Wastewater Programs offer incentives to tie onto the City system however, property owners' costs to provide a connecting pipeline from the residence to the wastewater main in the street make tieing onto the city system expensive. Offer a revolving low interest program to finance improvements on private property necessary to connect a city wastewater line to a residence.

Approach banks in Flour Bluff to determine if they would finance or administer such loans. Seed money might also come from utility revenue, CDBG, or other State or Federal programs.

○ Improvements to Graham Road, between Waldron Road and Laguna Shores Road. De-emphasis of Laguna Shores Road as a through street and emphasis upon the Debra Street Extension on Waldron Road for a more efficient collector/arterial network must be complimented by improvements to Graham Road as an important link between the Debra Extension and Waldron Road.

○ Improvements to Yorktown Boulevard, west of Waldron Road and completion of Waldron Road widening between Caribbean and Yorktown. Flour Bluff residents require an alternative east-west arterial to the now near-exclusive predominant use of the SH 358 Expressway. Improvements to Yorktown and Waldron are part of a master plan to provide and outer arterial belt connecting the Flour Bluff area with the Southside Area, Westside Area and Northwest Area via Yorktown, Saratoga and Rand Morgan Road.

○ Improvements to connect Glenoak with Roscher Road to provide better neighborhood access.

○ Area wide residential area and continuous street lighting improvements.

APPENDICES

A. Environmental Reference

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ecological Services
c/o CCSU, Campus Box 338
6300 Ocean Drive
Corpus Christi, Texas 78412

December 23, 1991

Nancy Harvieux
City of Corpus Christi, Planning Department
1201 Leopard
Corpus Christi, Texas 78401

Dear Ms. Harvieux:

Per your telephone request of November 13, 1991, we have compiled the following information to assist you in the City of Corpus Christi's long-range planning efforts. You asked for material pertaining to listed and candidate species, as well as information highlighting the significance of the wetland types, which occur in Nueces County.

The purposes of the Endangered Species Act (Act) of 1973, as amended, were to conserve ecosystems on which threatened and endangered species depend, to provide for the conservation of such species, and to take steps to achieve the purposes of the treaties and conventions as stated in Section 2(a) of the Act (see enclosure). Under the law, the Secretary of the Interior (acting through the Fish and Wildlife Service) has broad powers to protect and conserve all forms of wildlife and plants he finds in serious jeopardy. The Secretary of Commerce, acting through the National Marine Fisheries Service, has similar authority for protection and conservation of marine life.

A listed species is one whose status is legally recognized as threatened or endangered following a formal "rulemaking" procedure for determining which species would be placed on the U.S. List of Endangered and Threatened Wildlife and Plants. This "rulemaking" is the process used by Federal agencies (and many States) to propose and later adopt regulations which have the effect of law and which apply to all U.S. residents. An endangered species is defined as any species which is in danger of extinction throughout all or a significant portion of its range. Threatened species are defined as those species which are likely to become endangered within the foreseeable future throughout all or a significant portion of their range. Prior to any animal or plant being placed on the Federal species list, threats from habitat destruction, pollution, overharvesting, disease, predation, or other natural or man-made factors must be reviewed and evaluated.

Section 9 of the Act prohibits possession of, "take" of, or transportation of a listed species in interstate or international commerce without special permission. The term "take" as defined in the Act means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. This broad definition of "take" protects the habitat of a listed species as well as the individual organism. The Act also requires all Federal agencies to ensure that the activities they undertake or permit will not jeopardize the continued existence of listed species or result in adverse impacts to their critical habitat. The Act does allow the taking of listed species incidental to an agency action if such taking would not jeopardize the species.

The determination of jeopardy is the responsibility of the Fish and Wildlife Service (Service). With regard to cases where incidental take will not jeopardize a species, the action agency must adopt terms and conditions and reasonable and prudent measures identified by the Service to minimize the level of incidental take. Individuals or entities planning an activity which may modify potential habitat of a listed species, but lacking a Federal link, are also liable for "take" under the Act. These individuals or entities should contact the Service for further advice before project construction or clearing is initiated. In some cases, project design can be modified to avoid take, but in the event that take can not be avoided, and the take would be incidental to and not the purpose of, carrying out an otherwise lawful activity, the aforementioned party(ies) can apply for a Section 10 permit for incidental take (see enclosure). The conservation of "critical habitat", the areas of land, water, and air space needed by a listed species for its survival, is also warranted by the Act. Designation of critical habitat for listed species must go through the same rulemaking procedure as was required to list the individual species. Critical habitat for a listed species includes the breeding sites, cover and shelter, and surrounding habitat that allows for normal population growth, maintenance, and behavior. Critical habitat has not been established for a majority of listed species, although the Act allows for listing of critical habitat subsequent to listing of a species. Except in certain circumstances, determined by the Secretary, critical habitat shall not include the entire geographical area which can be occupied by the listed species.

The Act requires a determination of whether species of wildlife and plants are endangered or threatened based on the best available scientific and commercial data. Therefore, the Service has gathered data, over time, regarding numerous taxa of animals (fishes, amphibians, reptiles, birds, mammals, sponges, crustaceans, arachnids, insects, snails, bivalve mollusks, and plants) native to the United States, that have appeared to merit consideration for listing. These species of animals and plants are referred to as candidate species and a list of these candidate species is updated every two years in the animal or plant Notice of Review (50 CFR Part 17) wherein these species are assigned to one of three categories described below. Candidate species have no legal protection under the Act.

Category 1 is comprised of taxa for which the Service currently has substantial information on hand to support the biological appropriateness of proposing to list as endangered or threatened. Development and publication of proposed rules on these taxa are anticipated and therefore the Service encourages Federal agencies and other appropriate parties to give consideration to such taxa in environmental planning.

Category 2 includes taxa for which available information indicates that proposing to list is possibly appropriate, but for which substantial data on biological vulnerability and threats are not currently known to support the immediate preparation of listing rules. Inclusion of species in this category will encourage investigation of the status and vulnerability of these taxa and consideration of them in the course of environmental planning.

Category 3 comprises taxa that were once being considered for listing but are not currently receiving such consideration because; the species is now believed to be extinct (Category 3A), or the species was taxonomically revised and no longer meets the Act's legal definition of a species (3B), or the taxa is now considered to be more abundant and/or widespread than previously thought (3C).

The following inventory of Federally-listed endangered (E), threatened (T), and candidate animals and plants (Categories 1 and 2) which occur in Nueces County is provided for your convenience. Photocopies of material pertinent to the individual species is also enclosed.

American peregrine falcon (Falco peregrinus anatum) - E
Arctic peregrine falcon (Falco peregrinus tundrium) - T
Audubon's oriole (Icterus graducauda audubonii) - C2
black-spotted newt (Notophthalmus meridionalis) - C2
brown pelican (Pelecanus occidentalis) - E
Chandler craig-lily (Anthericum chandleri) - C2
ferruginous hawk (Buteo regalis) - C2
green sea turtle (Chelonia mydas) - T
Gulf Coast hog-nosed skunk (Conepatus leuconotus texensis) - C2
hawksbill sea turtle (Eretmochelys imbricata) - E
jaguarundi (Felis yagouaroundi) - E
Kemp's ridley sea turtle (Lepidochelys kempi) - E
leatherback sea turtle (Dermochelys coriacea) - E
loggerhead sea turtle (Caretta) - T
long-billed curlew (Numenius americanus) - C2
migrant loggerhead shrike (Lanius ludovicianus migrans) - C2
mountain plover (Charadrius montanus) - C2
northern grey hawk (Buteo nitidus) - C2
ocelot (Felis pardalis) - E
piping plover (Charadrius melodus) - T
reddish egret (Egretta rufescens) - C2
Rio Grande lesser siren (Siren intermedia texana) - C2
Sennett's hooded oriole (Icterus cucullatus sennettii) - C2
slender rushpea (Hoffmanseggia tenella) - E
South Texas ambrosia (Ambrosia cheiranthifolia) - C1
Texas Botteri's sparrow (Aimophila botterii texana) - C2
Texas horned lizard (Phrynosoma cornutum) - C2
Texas maritime pocket gopher (Geomys personatus maritimus) - C2
western snowy plover (Leucoplius alexandrinus nivosus) - C2
Wright's yellow-show (Amoreuxia wrightii) - C2

In addition to information concerning endangered species, you also requested clarification on the significance of wetland types occurring in Nueces County. The wetlands of the Texas coastal plain, including Nueces County, are varied and consist of vegetated and unvegetated tidal flats, intertidal marshes, submerged grassbeds, bayous, deltas, isolated inland depressions, and wetlands associated with river floodplains such as resacas or oxbows.

Several types of marine wetlands occur along the bay and Gulf shorelines in Nueces County. Brackish and saline intertidal marshes, characterized by either smooth cordgrass (Spartina alterniflora) or low-growing halophytic (salt-loving) emergent vegetation such as saltwort (Batis maritima), glasswort (Salicornia spp.), etc., perform a variety of functions in the bay ecosystems. Salt marsh vegetation provides essential nutrients which form the base of the estuarine food chain. This food chain supports recreationally and commercially important finfish and shellfish along the Gulf coast and includes white shrimp, brown shrimp, blue crab, stone crab, oyster, red drum, black drum, Atlantic croaker, weakfish, speckled trout, and flounder. Marsh vegetation also binds the sediments with root structures, thereby preventing shoreline erosion.

Unvegetated sand and mud tidal flats render important primary production and ecological roles. These flats contain numerous species of invertebrates including amphipods, isopods, mysid shrimp, cumaceans, copepods, crabs, and a diverse array of other benthic infaunal arthropods, as well as annelids, molluscs, and bryozoans. The aforementioned invertebrates feed on the various species of algae, bacteria, and protozoa, as well as detritus which occur in the flats. These species are in turn fed upon by numerous species of fish and crustaceans occurring throughout the bays' ecosystems. These wetland marsh and tidal flat areas also provide important foraging and resting habitat for numerous species of shorebirds and piscivorous water birds, including great blue herons, tricolored herons, reddish egrets, little blue herons, great egrets, snowy

egrets, roseate spoonbills, white ibis, American bitterns, green-backed herons, night herons, American avocets, black-necked stilt, black skimmer, and a variety of gulls, terns, sandpipers, and plovers. In fact, the Federally-listed threatened piping plover is known to use a number of intertidal flats in the Corpus Christi-Nueces Bay and upper Laguna Madre system.

Submerged habitats in the local bay systems are characterized by submerged stands of aquatic vegetation including five species of seagrasses: shoalgrass (Halodule wrightii), turtlegrass (Thalassia testudinum), widgeongrass (Ruppia maritima), manateegrass (Syringodium filiforme), and Gulf halophila (Halophila engelmannii) occurring in either dense stands or interspersed with bare bay bottom. These seagrass meadows support complex communities of small invertebrates, crustaceans, and juvenile finfish. The bays and their surrounding tidal flats, marshes, and submerged grassbeds are used by numerous waterfowl including pintail, shoveler, blue-wing teal, green-wing teal, American wigeon, scaup, redhead ducks, Canada geese, and snow geese.

Several types of freshwater wetlands are found in Nueces County. The channel of the Nueces River is classified as a riverine wetland and includes all wetlands and deepwater habitats contained within the channel except for the wetlands dominated by trees, shrubs, persistent emergents, and/or emergent mosses or lichens which exist along its banks. These vegetated wetlands are considered palustrine, emergent wetlands. The riverine system ends downstream at the interface with Nueces Bay where the concentration of ocean-derived salts exceeds 0.5% during the period of annual average low flow. The river and its adjacent palustrine wetlands support numerous species of fish (gar, carp, catfish, bass, sunfish, crappie, and various minnows), reptiles (alligators, turtles, and snakes), amphibians (frogs and salamanders), and invertebrates. Native riparian woodlands (cedar elm, ash, hackberry, live oak community), growing along the river banks and in the floodplain, depend on near-surface groundwater and/or regular flooding to maintain their moisture regime. Since these riparian forests supply water, this habitat type is often more productive for wild flora and fauna than adjacent upland habitats and generally sustains higher species diversity. The wetlands associated with the Nueces River floodplain, including oxbows and seasonally flooded depressions, receive heavy use by migratory birds including waterfowl, wading birds, shorebirds, songbirds, and cranes. Riparian vegetation within the floodplain provides cover, food, and resting and nesting areas for migratory and resident birds such as warblers, vireos, woodpeckers, turkeys, herons, egrets, anhingas, and woodstorks; as well as homes for a diversity of mammals, reptiles, amphibians, and invertebrates. In a one-day observation, local birding enthusiasts counted over 200,000 migrating hawks resting in wooded areas along the Nueces River near Hazel Bazemore Park. Ocelots and jaguarundi, both Federally-listed endangered species, require not only thick brush habitat, but also use riparian wooded corridors for travel purposes.

Riverine systems nationwide are most heavily impacted by upstream impoundments and point and non-point source contamination from various sources. The Nueces River is no exception. Reduced instream flows in the river, due to the Choke Canyon and Lake Corpus Christi reservoirs, have primarily adversely impacted wetlands in the floodplain of the river by eliminating flood flows that would (1) feed and nourish these wetlands, (2) scour and remove accumulated sediment, actions needed to halt succession and perpetuate the wetlands, and (3) dilute salinities within the Nueces Bay estuary. Since riparian wetlands are at least partially dependent on flooding events, these woodlands are also adversely impacted by loss of flood flows. Riparian areas are a valuable resource needing protection from draining and filling activities since 70% of the original floodplain forest in the lower 48 states has been cleared for agricultural and urban uses (Brinson et al., 1981).

Lacustrine wetlands (lakes and ponds) in Nueces County are by and large man-made impoundments. These habitats have various degrees of utility to wildlife and fishery resources depending on their configuration, depth, and the quality of their water source. One example of a highly valuable, man-made, lacustrine wetland can be found in Flour Bluff on Glenoak Drive, and is locally known as "Redhead Pond". The high intensity use of this pond by migratory waterfowl and resident waterbirds, mammals, etc. derives from its provision of fresh-to-brackish water during periods when fresh water is a limiting resource in the area. This pond also has a shallow perimeter which has allowed the establishment of emergent vegetation. The emergent marsh not only acts as cover for wildlife, but also as a filtering system for stormwater runoff and as a supply of nutrients to the pond. Another important lacustrine wetland resource in the county is a cluster of flooded gravel pits, dug in the floodplain of the Nueces River, which serve as excellent habitat for migratory and resident birds, other wildlife species, and fish. Especially valuable are those gravel pits which are near the river, isolated from residential construction, and which are at least partially surrounded by riparian vegetation. The results of annual bird surveys in and around these gravel pits shows the use of these areas by a wide diversity of bird life.

Marshes; swamps; bogs; fens; prairies; and other small, shallow, permanent or intermittent water bodies (ponds or potholes) are considered palustrine wetlands (Cowardin et al., 1979). Palustrine habitats in Nueces County serve as essential sources of drinking water, food, and resting areas for various species of migratory, shore, and wading birds. These wetlands also supply the freshwater required for many bird species to maintain salt gland functions. Submergent and emergent wetland plants and associated upland vegetation furnish forage for waterfowl, marsh birds, shorebirds, upland game birds, songbirds, and other wildlife. This vegetation also plays a key role in contributing vital nutrients to the aquatic ecosystem and in substrate stabilization.

Depressional pothole wetlands extend along the Texas coastal plain from Brownsville to Port O'Connor and are vital habitats for wildlife in Nueces County. A number of the most significant palustrine wetlands in Nueces County are depressional potholes and swales found on the barrier islands and on the Encinal Peninsula (Flour Bluff). Palustrine open water, semi-permanently flooded wetlands predominate on the Encinal Peninsula. The significance of these depressional wetlands to migratory birds and other wildlife was documented by Chaney (1981), Spiller and French (1986), and Collins (1987) (see enclosures).

A complex of live oak brush and adjacent potholes consists of numerous depressions of varying sizes found on the Pleistocene Strandplain sand formation which comprises the Encinal, Live Oak, Blackjack, and Lamar Peninsulas. The main concentration of live oak groves on the Texas coastal plain occurs on the Encinal and Live Oak Peninsulas. Flour Bluff encompasses the area in Nueces County on which remaining fragmented stands of live oak brush potholes are found. As documented by Collins (1987), the aquatic vegetation associated with the live oak potholes is often extremely diverse (see enclosure). On the neighboring Live Oak Peninsula potholes, surrounding upland vegetation is primarily live oak, red bay, yaupon, green briar, and mustang grape with a variety of other grasses, forbs, and shrubs interspersed or growing on the edges of the brush. The live oak brush pothole wetland complex supports a wide array of fish and wildlife species. During field observations of 18 potholes and surrounding brush communities on the Live Oak Peninsula, Collins (1987) recorded 20 species of mammals, 10 species of reptiles and amphibians, and four species of fish. Gunter (1950) documented five additional fish species in potholes on Aransas National Wildlife Refuge (Live Oak

Peninsula). However, these pothole wetlands are probably most important to wintering waterfowl and other birds, as was confirmed by Collins (1987) observations of 73 bird species using Live Oak Peninsula potholes (see enclosures).

Pothole wetlands have declined in number and deteriorated in quality due to impacts from human activities such as drainage for agriculture and residential development, road construction, and contamination from polluted runoff. Pothole wetlands along the central Texas coast, particularly those associated with the live oak-brush community, continue to experience severe developmental pressure (Collins, 1987). Palustrine habitats in Flour Bluff and on Mustang and South Padre Islands are becoming scarce due to residential development. Due to the scarcity and importance to organisms such as waterfowl, the Service has included these habitats in Resource Category 2 in accordance with its mitigation policy, as described in the Federal Register dated January 23, 1981. The mitigation planning goal for this Resource Category is no net loss of in-kind habitat value. This goal, as well as the President's own no-net-loss policy for wetlands in general, could best be met by avoiding any filling of this wetland type.

Wetlands are being destroyed at the rate of one-half million acres per year in the United States. This has reduced the estimated 120 million acres of wetlands existing at the turn of the century to presently less than 60 million acres. This loss of wetlands, combined with other factors, has resulted in reduced populations of migratory species. Waterfowl habitat has become increasingly threatened in recent years due to the adverse modification of wetlands by either draining or filling. As a result, the governments of Canada and the United States have entered into an agreement known as the North American Waterfowl Management Plan (Plan) to implement measures which will attempt to reverse these negative trends. Recently, the Corps of Engineers has endorsed the Plan by signing a memorandum of understanding with the Service and has agreed to consider the goals of this program with regard to reviewing Section 404 (Clean Water Act) permit applications for projects slated to take place in wetlands.

You also requested our principal site concerns for the Flour Bluff area, therefore habitat considerations for this peninsula are summarized in this paragraph. Since information regarding values and losses of habitat types is presented earlier in this letter, a brief list of our major areas of interest is outlined herein. All intertidal areas along the Flour Bluff shoreline are due consideration with regard to being jurisdictional wetlands needing Corps Section 10/404 permits for alterations. Both the Oso Bay and Laguna Madre shorelines of the Encinal Peninsula consist of either halophytic marsh and/or unvegetated intertidal zone. In particular, those intertidal areas of shoreline lacking vegetative cover should be investigated for potential use by piping plovers and reddish egrets, a Federally-listed species and a candidate Category 2 species, respectively. As an example, these birds have been noted foraging on the Laguna Madre shoreline at the terminus of Lola Johnson road. Many of the remnant depressional "potholes" in Flour Bluff also merit conservation as important wildlife habitat, and Corps determination of wetland jurisdiction is prudent prior to any planning and/or implementation of conversion of these areas. Some lacustrine habitats in Flour Bluff are valuable wildlife habitat, especially the Redhead Pond on Glenoak Drive. Please be advised that this pond in now owned by the Texas Parks and Wildlife Department and is considered a sanctuary. Finally, one major upland concern on the Encinal Peninsula is the live oak brush community, a habitat mainstay for migratory and resident birds. Also of significance are open maritime pocket gopher, a candidate Category 2 species. Primary threats to the continue existence of this mammal are paved developments and domestic cats.

We appreciate the opportunity to provide input on fish and wildlife concerns to the City of Corpus Christi. We especially would like to commend the Planning

Department for their active role in soliciting assistance with identifying important habitats in order to recognize these areas in the City's long-term development plans. The Service would like to offer assistance in any overall planning efforts and also on a project site-specific basis. Any activities planned by the City in areas adjacent to natural water bodies may be likely to impact wetlands and the Service will be glad to help with on-site identification of wetlands. All final delineations of jurisdictional wetlands however, must be conducted by the Army Corps of Engineers.

If you have any questions or need further assistance, please contact Robyn Cobb of this office at (512) 888-3346.

Sincerely,

Thomas E. Grahl

THOMAS E. GRAHL
Acting Field Supervisor

Attachments

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B. Department of the Navy Land Use Recommendations

TABLE 4. SUGGESTED LAND USE COMPATIBILITY IN ACCIDENT POTENTIAL ZONES

LAND USE		CLEAR ZONE	APZ-1	APZ-2
SLUCM NO.	NAME			
10	**Residential**			
11	Household units			
11.11	Single units: detached	N	N	Y[1]
11.12	Single units: semidetached	N	N	N
11.13	Single units: attached row	N	N	N
11.21	Two units: side-by-side	N	N	N
11.22	Two units: one above the other	N	N	N
11.31	Apartments: walk up	N	N	N
11.32	Apartments: elevator	N	N	N
12	Group quarters	N	N	N
13	Residential hotels	N	N	N
14	Mobile home parks or courts	N	N	N
15	Transient lodgings	N	N	N
16	Other residential	N	N	N[1]
20	**Manufacturing**			
21	Food & kindred products: manufacturing	N	N[2]	Y
22	Textile mill products: manufacturing	N	N[2]	Y
23	Apparel and other finished products made from fabrics, leather, and similar materials: manufacturing	N	N	N[2]
24	Lumber and wood products (except furniture): manufacturing	N	Y[2]	Y
25	Furniture and fixtures: manufacturing	N	Y[2]	Y
26	Paper & allied products: manufacturing	N	Y[2]	Y
27	Printing, publishing, and allied industries	N	Y[2]	Y
28	Chemicals and allied products: manufacturing	N	N	N[2]
29	Petroleum refining and related industries	N	N	N

TABLE 4. SUGGESTED LAND USE COMPATIBILITY IN ACCIDENT POTENTIAL ZONES

LAND USE SLUCM NO.	LAND USE NAME	CLEAR ZONE	APZ-1	APZ-2
30	**Manufacturing (cont'd)**			
31	Rubber and misc. plastic products: manufacturing	N	N[2]	N[2]
32	Stone, clay and glass products: manufacturing	N	N[2]	Y
33	Primary metal industries	N	N[2]	Y
34	Fabricated metal products: manufacturing	N	N[2]	Y
35	Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks - manufacturing	N	N	N[2]
39	Miscellaneous manufacturing	N	Y[2]	Y[2]
40	**Transportation, communi- and utilities**			
41	Railroad, rapid rail transit and street railway transportation	N[3]	Y[4]	Y
42	Motor vehicle transportation	N[3]	Y	Y
43	Aircraft transportation	N[3]	Y[4]	Y
44	Marine craft transportation	N[3]	Y[4]	Y
45	Highway & street right-of-way	N[3]	Y	Y
46	Automobile parking	N[3]	Y[4]	Y
47	Communication	N[3]	Y[4]	Y
48	Utilities	N[3]	Y[4]	Y
49	Other transportation, communication and utilities	N[3]	Y[4]	Y
50	**Trade**			
51	Wholesale trade	N	Y[2]	Y
52	Retail trade - building materials, hardware and farm equipment	N	Y[2]	Y
53	Retail trade - general merchandise	N	N[2]	Y[2]
54	Retail trade - food	N	N[2]	Y[2]
55	Retail trade - automotive, marine craft, aircraft and accessories	N	Y[2]	Y
56	Retail trade - apparel and accessories	N	N[2]	Y[2]
57	Retail trade - furniture, home furnishings and equipment	N	N[2]	Y[2]
58	Retail trade - eating and drinking establishments	N	N	N[2]
59	Other retail trade	N	N[2]	Y[2]

TABLE 4. SUGGESTED LAND USE COMPATIBILITY IN ACCIDENT POTENTIAL ZONES

LAND USE SLUCM NO.	LAND USE NAME	CLEAR ZONE	APZ-1	APZ-2
60	**Services**			
61	Finance, insurance and real estate services	N	N	Y[6]
62	Personal services	N	N	Y[6]
62.4	Cemeteries	N	Y[7]	Y[7]
63	Business services	N	Y[8]	Y[8]
64	Repair services	N	Y[2]	Y
65	Professional services	N	N	Y[6]
65.1	Hospitals, nursing homes	N	N	N
65.1	Other medical facilities	N	N	N
66	Contract construction services	N	Y[6]	Y
67	Governmental services	N	N	Y[6]
68	Educational services	N	N	N
69	Miscellaneous services	N	N[2]	Y[2]
70	**Cultural, entertainment and recreational**			
71	Cultural activities (including churches)	N	N	N[2]
71.2	Nature exhibits	N	Y[2]	Y
72	Public assembly	N	N	N
72.1	Auditoriums, concert halls	N	N	N
72.11	Outdoor music shells, amphitheaters	N	N	N
72.2	Outdoor sports arenas, spectator sports	N	N	N
73	Amusements	N	N	Y[8]
74-	Recreational activities (incl. golf courses, riding stables, water recreation)	N	Y[8,9,10]	Y
75	Resorts and group camps	N	N	N
76	Parks	N	Y[8]	Y[8]
79	Other cultural, entertainment and recreation	N	Y[9]	Y[9]
80	**Resource production and extraction**			
81	Agriculture (except livestock)	Y	Y	Y
81.5) 81.7)	Livestock farming and animal breeding	N	Y	Y
82	Agricultural related activities	N	Y[5]	Y
83	Forestry activities and related services	N[5]	Y	Y
84	Fishing activities and related services	N[5]	Y[5]	Y
85	Mining activities and related services	N	Y[5]	Y
89	Other resource production and extraction	N	Y[5]	Y

NOTES TO TABLE 4

1. Suggested maximum density 1-2 dwelling units per acre, possibly increased under a Planned Unit Development (PUD) where maximum lot coverage is less than 20 percent.

2. Within each land use category, uses exist where further evaluation may be needed due to the variation of densities of people and structures. For example, where a small neighborhood retail store may be compatible in APZ-II, a shopping center or strip shopping mall would be incompatible due to the density of development and concentration of people.

3. The placing of structures, buildings or above-ground utility lines in the clear zone is subject to severe restrictions. In a majority of the clear zones, these items are prohibited. See NAVFAC P-80.3 (NOTAL) for specific guidance.

4. No passenger terminals and no major above-ground transmission lines in APZ-I.

5. Factors to be considered: labor intensity, structural coverage, explosive characteristics, air pollution.

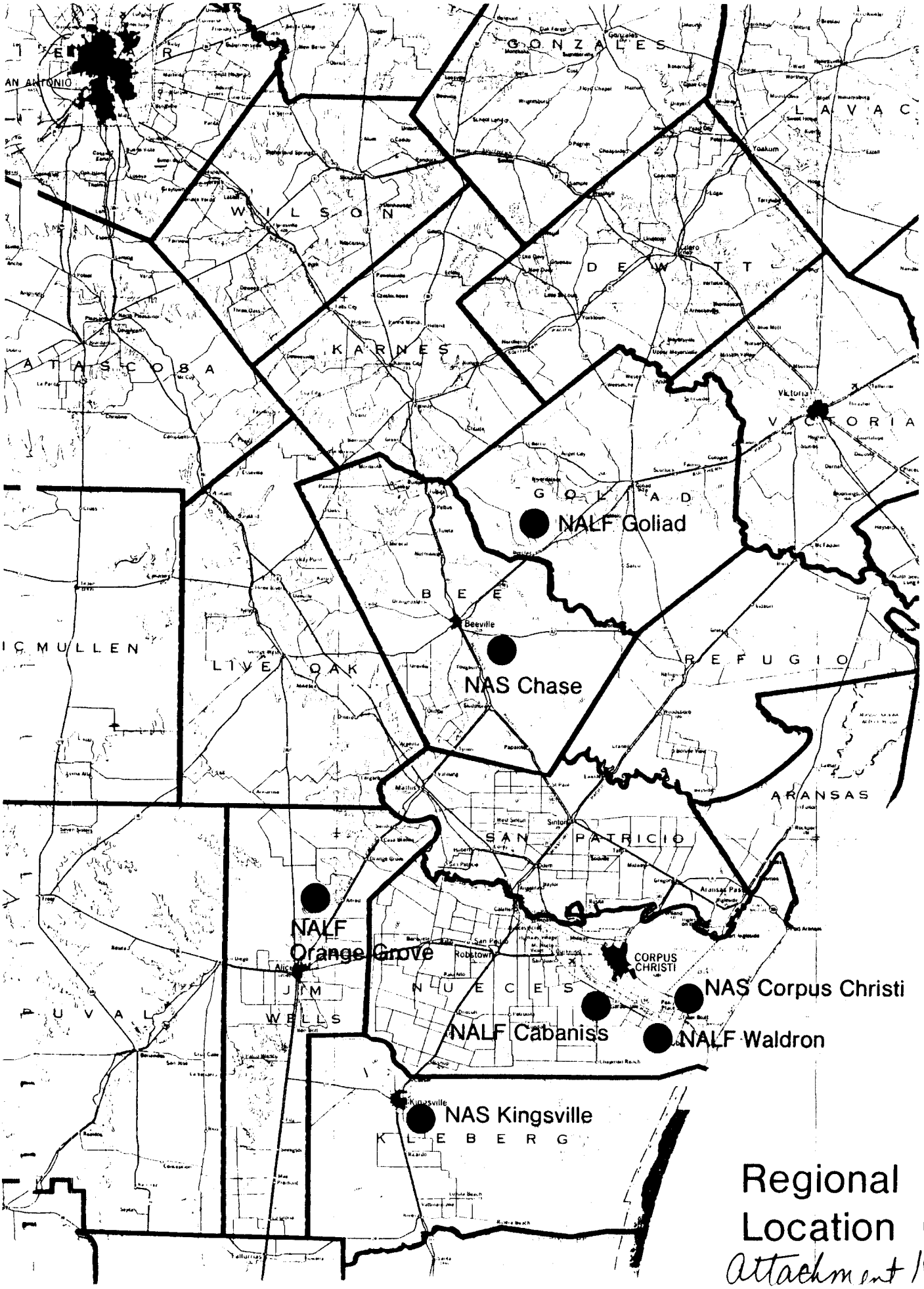
6. Low-intensity office uses only. Meeting places, auditoriums, etc., not recommended.

7. Excludes chapels.

8. Facilities must be low intensity.

9. Clubhouse not recommended.

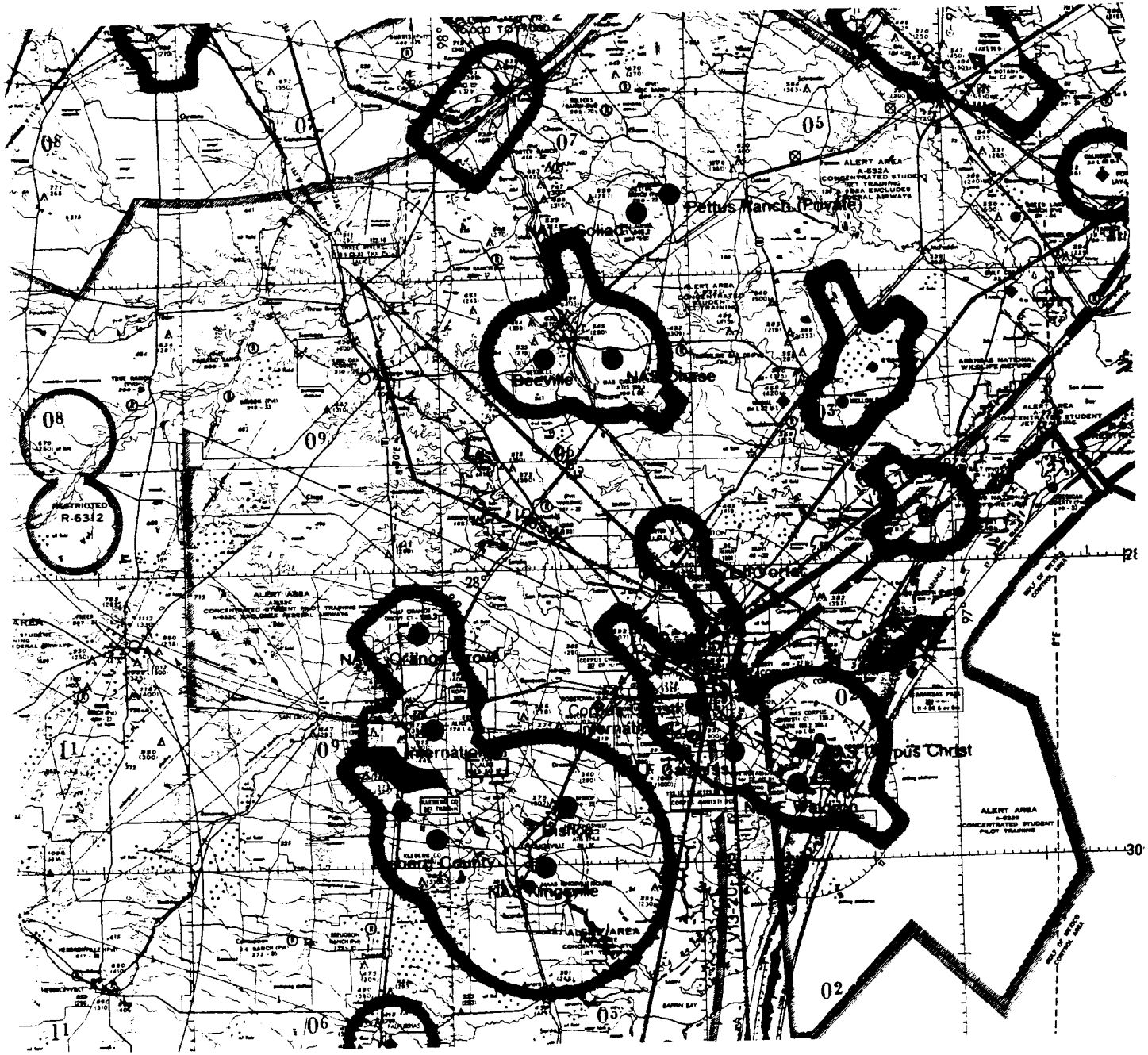
10. Large classes not recommended.



Air Installation Compatible Use Zones Study

Regional Location

Attachment 1



NORTH

Scale in nautical miles

0 5 10 15 20

0 10 20 30 40

Scale in kilometers

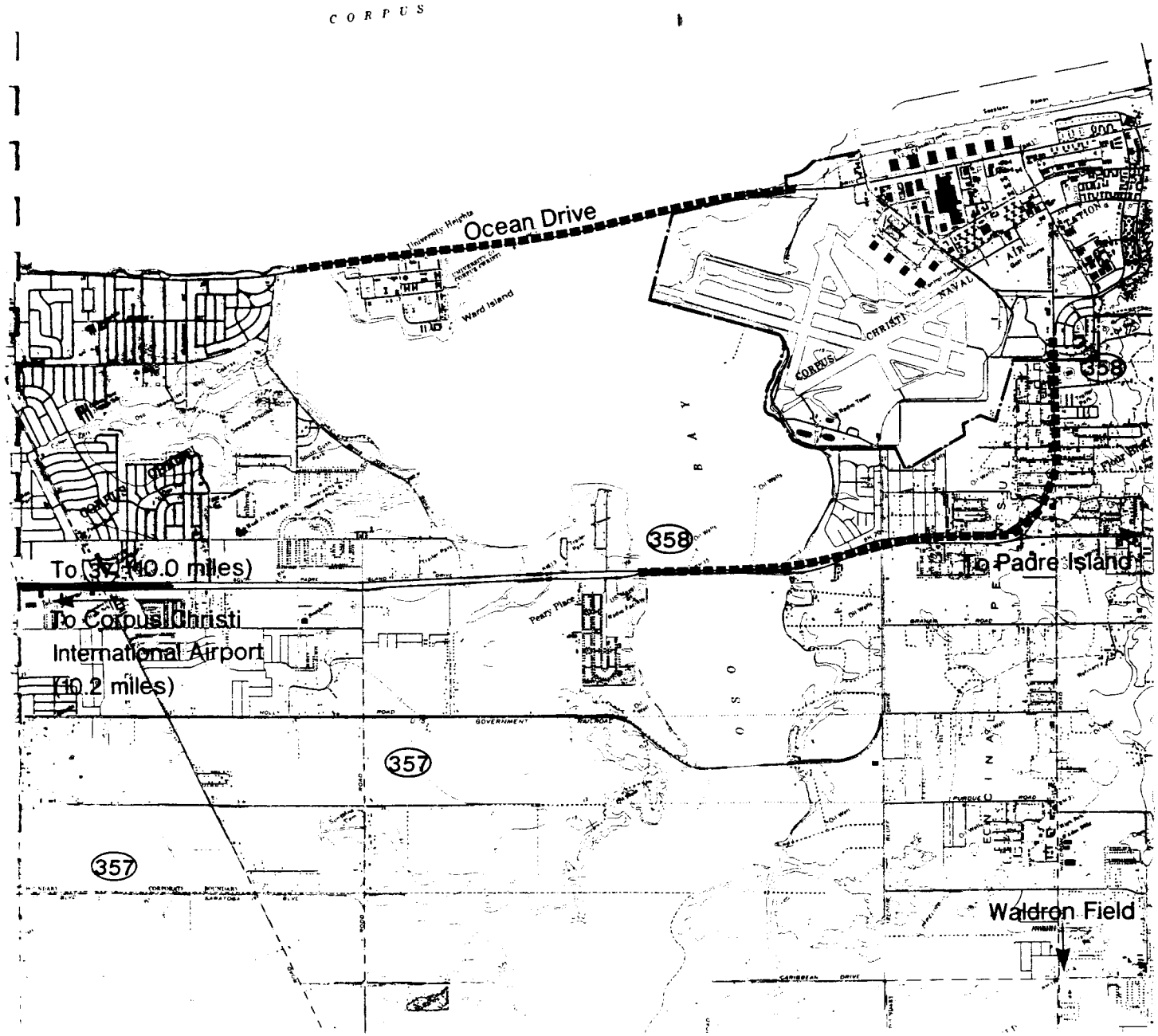
Corpus Christi region, Texas

Airport system

Exhibit III.11

HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary



NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

0 .5 1 2

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2

TABLE III-1

Population Forecast Distribution by Census Tract

Corpus Christi

Tract	Population			Tract	Population		
	1970	1980	1990		1970	1980	1990
P-51	342	2,000	5,000	022	6,123	6,123	6,737
001	831	1,500	2,975	023	8,173	11,305	12,156
002	495	149	147	024	8,482	8,508	8,411
003	433	354	251	025	4,873	4,882	4,952
004	3,178	2,776	2,428	026	9,094	9,310	9,582
005	2,725	3,286	3,286	027	13,828	19,247	21,599
006	8,656	8,956	8,956	029	5,214	5,214	5,214
007	3,758	5,837	5,933	030	3,981	4,640	5,262
008	830	3,133	5,808	031	3,018	3,640	4,027
009	6,598	5,011	4,176	032	2,784	13,966	18,478
010	5,538	5,264	5,326	033	4,225	10,766	14,915
011	3,555	3,274	3,045	034	7,843	10,182	10,168
012	5,724	5,210	4,958	035	2,184	2,201	2,215
013	5,131	5,131	5,131	036	6,939	8,086	9,960
014	5,287	5,358	5,581	037	1,424	1,601	1,777
015	6,298	6,298	6,197	050	995	2,000	2,516
016	12,397	11,590	10,790	054	1,505	11,171	22,169
017	8,126	10,025	11,262	058	112	180	316
018	8,797	9,352	9,337	104	356	1,071	2,391
019	11,625	11,309	10,984	106	7,302	12,876	19,640
020	8,616	8,450	8,221				
021	7,271	8,101	8,197	Total	214,666	269,309	310,474

SOURCE: Department of Planning, Corpus Christi, Texas, February 1975.

City of Corpus Christi

Bob Carlson, PWO Building 19(code 1831)
Corpus Christi Naval Air Station
Corpus Christi, TX 78419-5000

Subject: Population Projections for the Corpus Christi Metropolitan Statistical Area (Nueces and San Patricio Counties)

Dear Mr. Carlson:

As you requested I have enclosed population projections for the Corpus Christi MSA for 5 year intervals between the years 1990 thru 2030. These projections were obtained from the Texas State Data Center - Texas A & M University System. I have also enclosed the first 3 pages of a 40+ page report describing the methodology used to calculate these projections.

The enclosed projections are based on an assumption of 1.0 migration factor. Another words, the rate of migration for the MSA between 1980 - 1990 is assumed to continue. The Data Center has provided me with 3 other scenarios based on migration factors of .0, .5, and 1.25. Should you need these other projections please let me know. For your information I have summarized the 1.0 migration factor projections for total population below.

AREA	1990	1995	2000	2005	2010	2015	2020	2025	2030
Nueces County	291,145	309,927	328,278	345,315	362,405	375,157	386,616	396,180	403,350
San Pat County	58,749	63,517	68,270	72,824	77,097	81,553	85,880	89,730	93,181
MSA Total	349,894	373,444	396,548	418,139	439,502	456,710	472,496	485,910	496,531

Please call me if you have any questions or need any additional information.

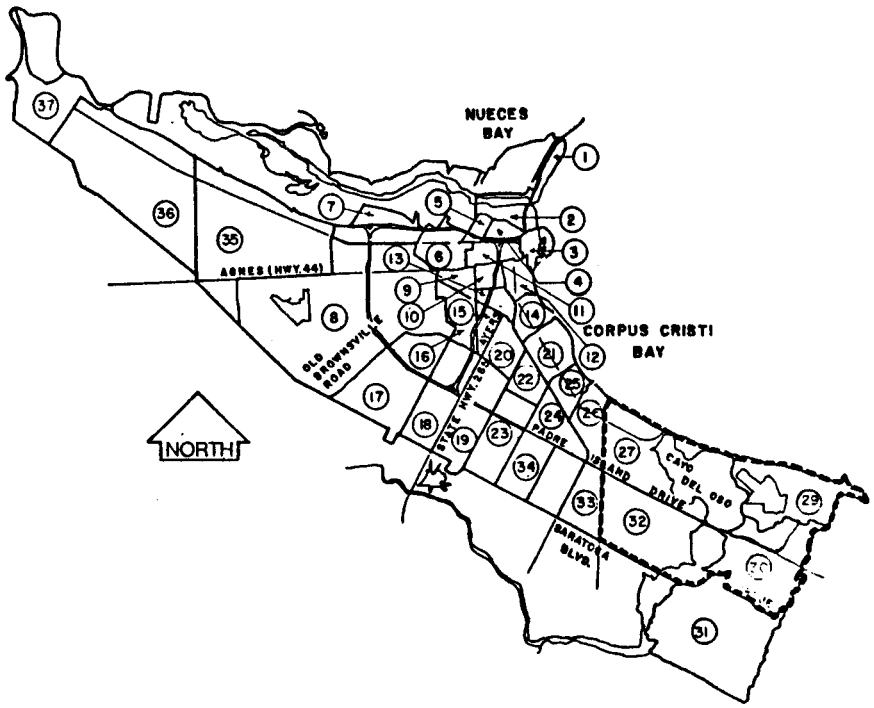
Sincerely,

Robert E. Payne

Robert E. Payne, AICP
Senior City Planner

cc Brandol M. Harvey, AIA, AICP,
Director of Planning and Development

Department of Planning and Development
• P.O. Box 9277 • Corpus Christi, Texas 78469-9277 • (512) 880-3560



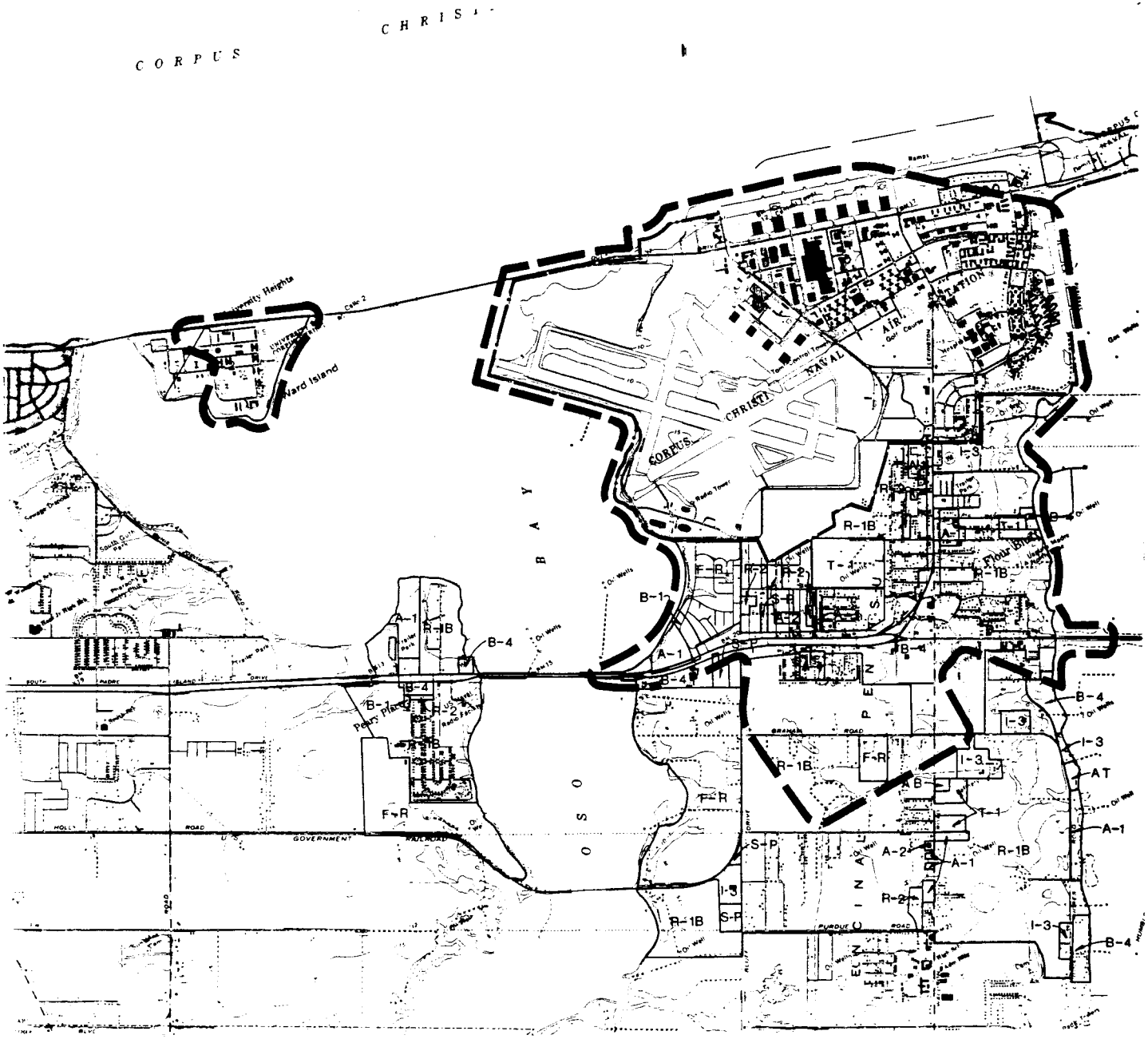
City of Corpus Christi, Texas

Naval Air Station Vicinity

1970 Census tracts

Exhibit III.3

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

F-R	Farm-rural district
R-1B	One-family dwelling district
R-2	Multiple dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AB	Professional office district
B-1	Neighborhood business district
I-2	Light industrial district
I-3	Heavy industrial district
SP	Special permit
—·—	Installation boundaries

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6 7

0 .25 .5 .75 1 2

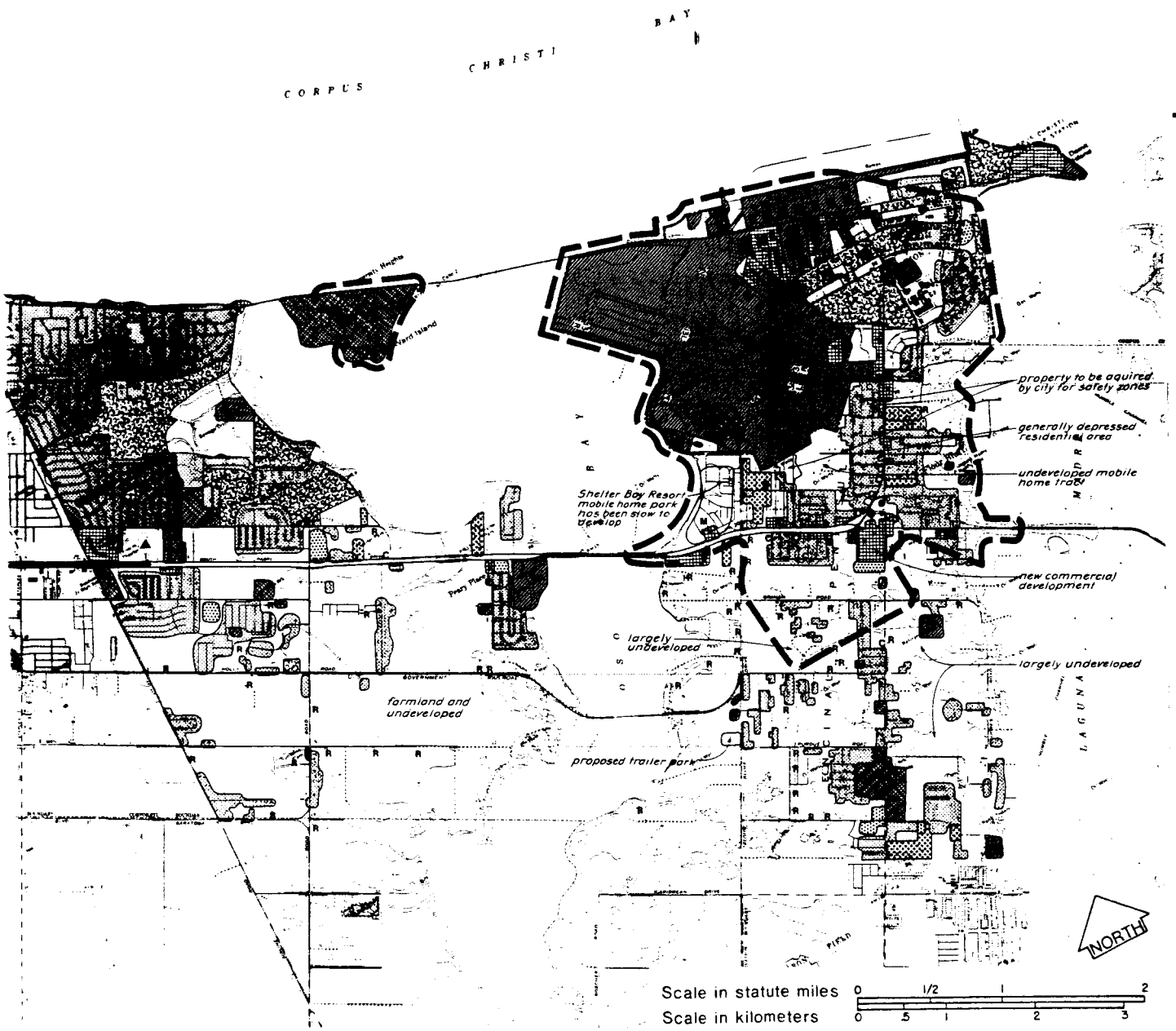
Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Existing zoning

Exhibit III.5

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Limit of AICUZ

(community land use)

- (R) Single family residential
- Multi-family residential
- (M) Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- ▲ Theaters, amphitheaters, stadiums

(station land use)

- Installation boundary
- Family housing
- Troop housing
- (M) Mobile homes
- Training/medical/adm.
- Parks/comm. fac. & rec.
- Supply/PX/commissary
- Ops./maint./prod./utilities
- ▲ Theaters/spectator

NAS Corpus Christi,
Corpus Christi, Texas

Existing land use and development trends

Exhibit III.4

TABLE III-5

Zoning Districts in Corpus Christi, Texas

Abbreviation	Name of District
"F-R"	Farm-Rural District
"RE"	Residential Estate District
"R-1A"	One-family Dwelling District
"R-1B"	One-family Dwelling District
"R-2"	Multiple Dwelling District
"T-1"	Travel Trailer Parks, Mobile Home Parks and Mobile Home Subdivisions District
"A-1"	Apartment House District
"A-2"	Apartment House District
"AT"	Apartment-Tourist District
"AB"	Professional Office District
"B-1A"	Tourist Court District
"B-1"	Neighborhood Business District
"B-2"	Bayfront Business District
"B-3"	Shopping Center District
"B-4"	General Business District
"B-5"	Primary Business District
"B-6"	Primary Business Core District
"I-1"	Limited Industrial District
"I-2"	Light Industrial District
"I-3"	Heavy Industrial District

Source: Corpus Christi, Texas Zoning Ordinance

TABLE III-6

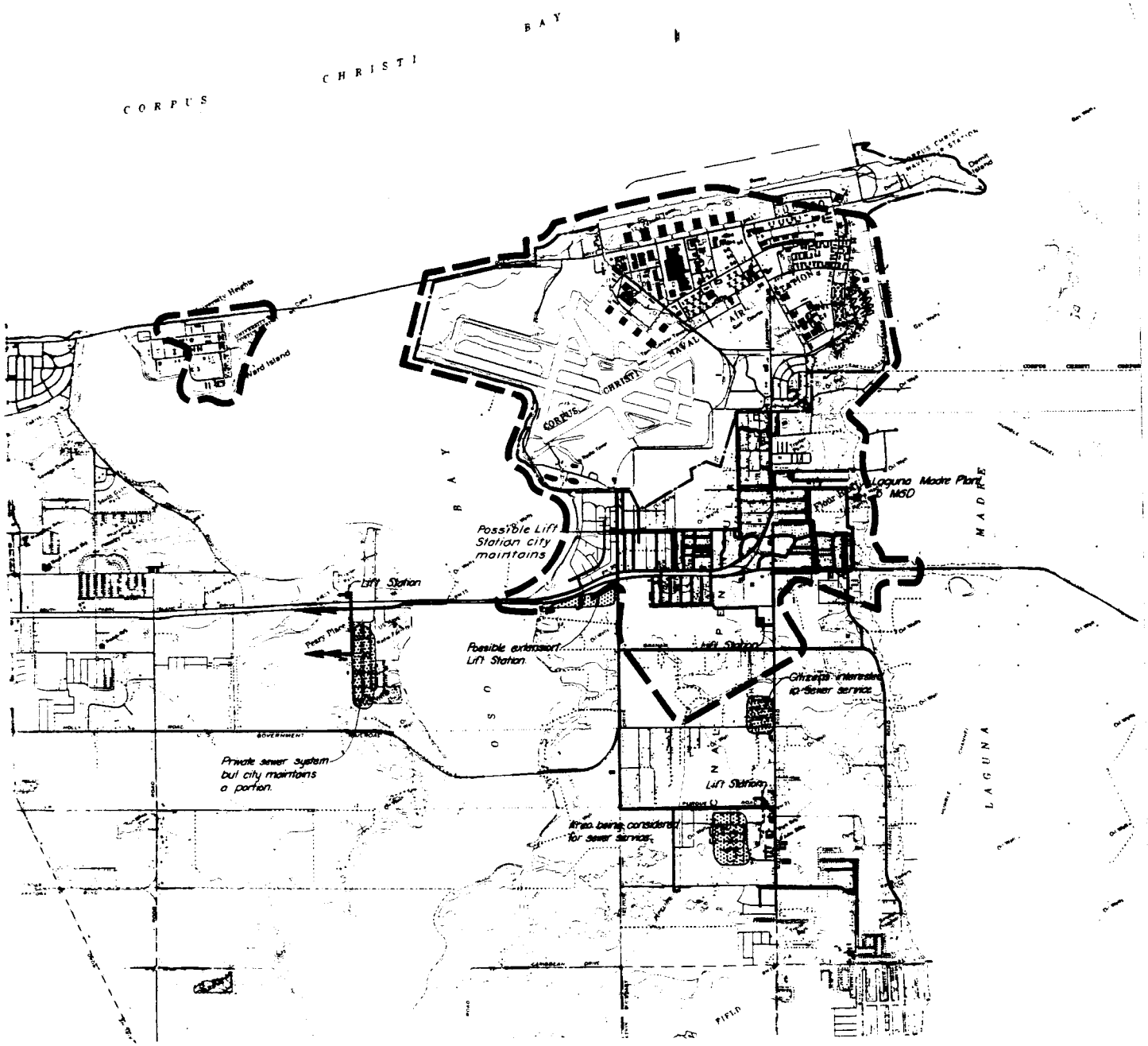
Description of Land Uses Permitted Within Each Zoning Classification

City of Corpus Christi, Texas (1975)

Zone	Residential	Mobile Homes	Agriculture ≤ 1 du/a	Single Family 1-6 du/a	Single Family >6 du/a	Multifamily	Commercial	Resort	Retail	Wholesale	Office	Institutional	Educational Facilities	Medical Facilities	Industrial	Service	Manufacturing	Extractive	Transportation & Utilities	Agriculture With Livestock	Without Livestock	Recreation	Golf	Sports Arena	Parks	Water	Concert, Theaters	Forest and Natural Habitat
P-R			x										x	x				x	x	x	x							
R-E			x															x			x		x		x			
R-1A			x										x	x					x		x		x	x	x	x		
R-1B			x	x	x								x	x					x		x		x	x	x	x		
R-2			x	x	x	x							x	x					x		x		x	x	x	x		
T-1		x																										
A-1			x	x	x	x							x	x					x		x		x	x	x	x		
A-2			x	x	x	x	x						x	x					x		x		x	x	x	x		
AT			x	x	x	x	x						x	x					x		x		x	x	x	x		
AB			x	x	x	x	x						x	x					x		x		x	x	x	x		
B-1A			x	x	x	x	x						x	x					x		x		x	x	x	x		
B-1			x	x	x	x	x	x			x		x	x					x		x		x	x	x	x	x	
B-2			x	x	x	x	x				x		x	x					x		x		x	x	x	x	x	
B-3							x	x	x				x	x					x		x		x	x	x	x	x	
B-4			x	x	x	x	x	x			x		x	x					x		x		x	x	x	x		
B-5						x	x	x	x				x	x		x	x		x		x		x	x	x	x		
B-6						x	x	x	x				x	x		x	x		x		x		x	x	x	x		
I-1			Variable								x					x	x											
I-2								x	x	x						x	x		x	x	x		x	x	x	x	x	
I-3								x	x	x						x	x	x	x	x	x		x	x	x	x	x	

Source: Zoning Ordinance for Corpus Christi as Amended, January 1975.

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

- Existing water system
- Existing sanitary sewer system

Scale in thousands of feet

0 1 2 3 4 5 6 7 8

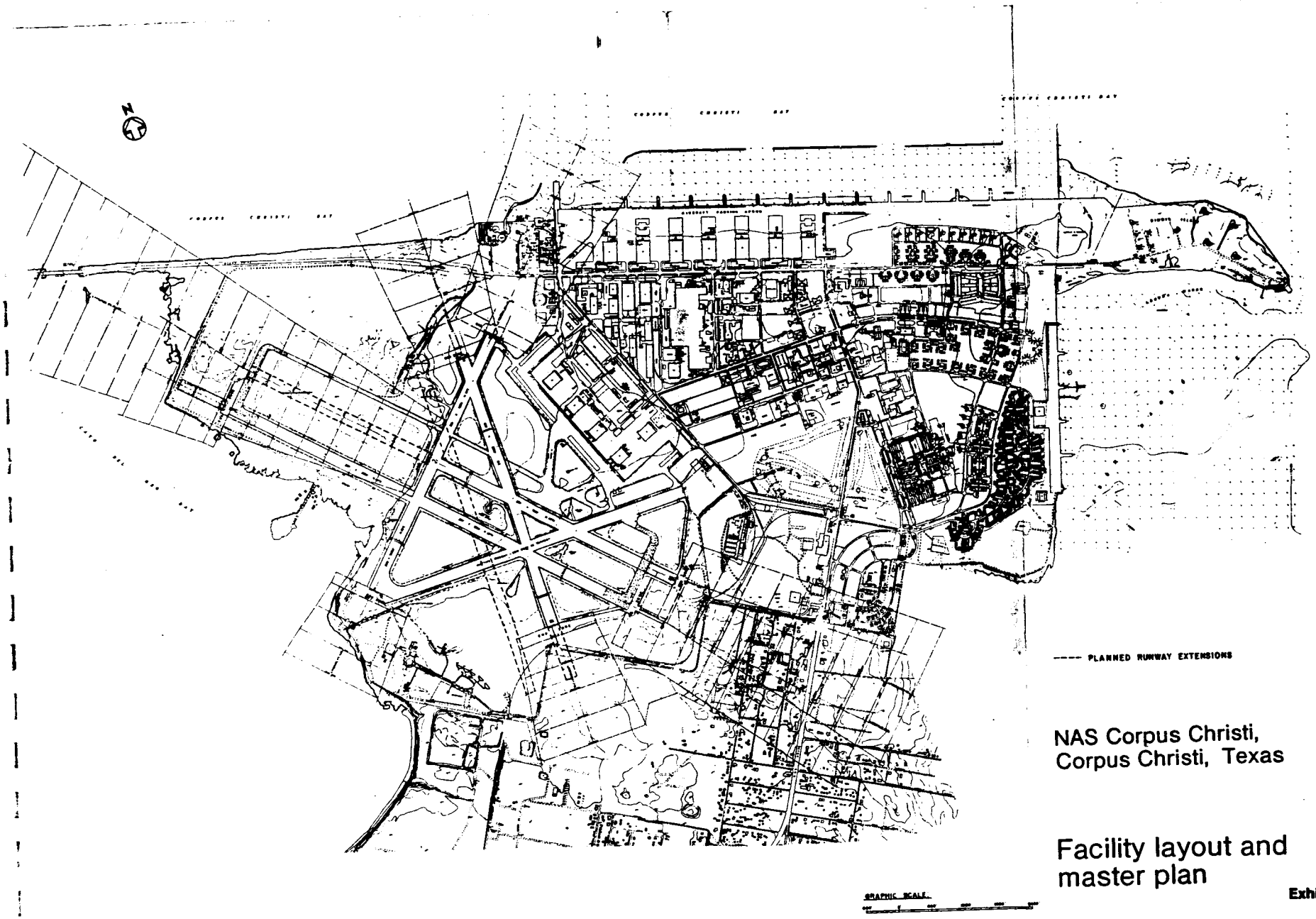
0 .5 1 2

Scale in kilometers

NAS Corpus Christi
Corpus Christi, Texas

Water and sewer systems

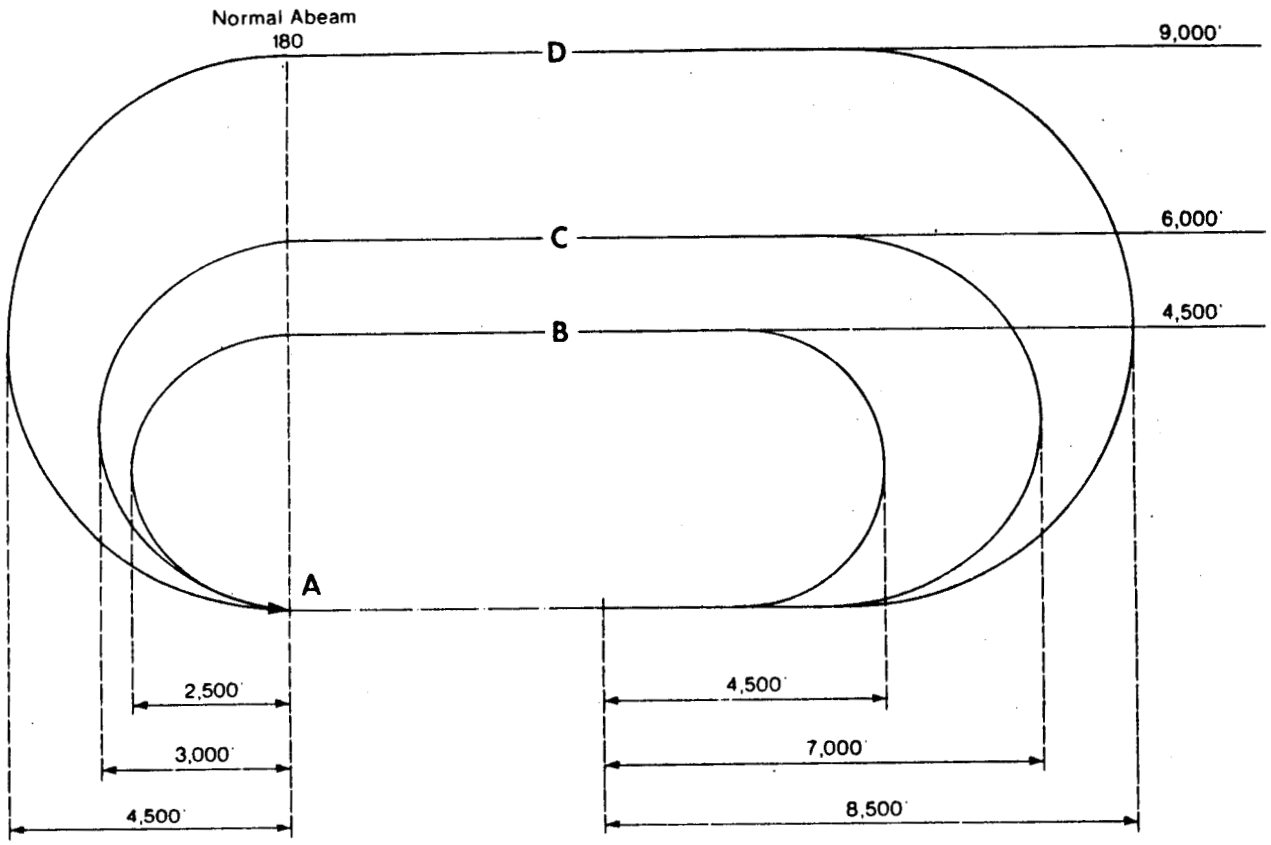
Exhibit III.6



NAS Corpus Christi,
Corpus Christi, Texas

Facility layout and
master plan

Exhibit III-7

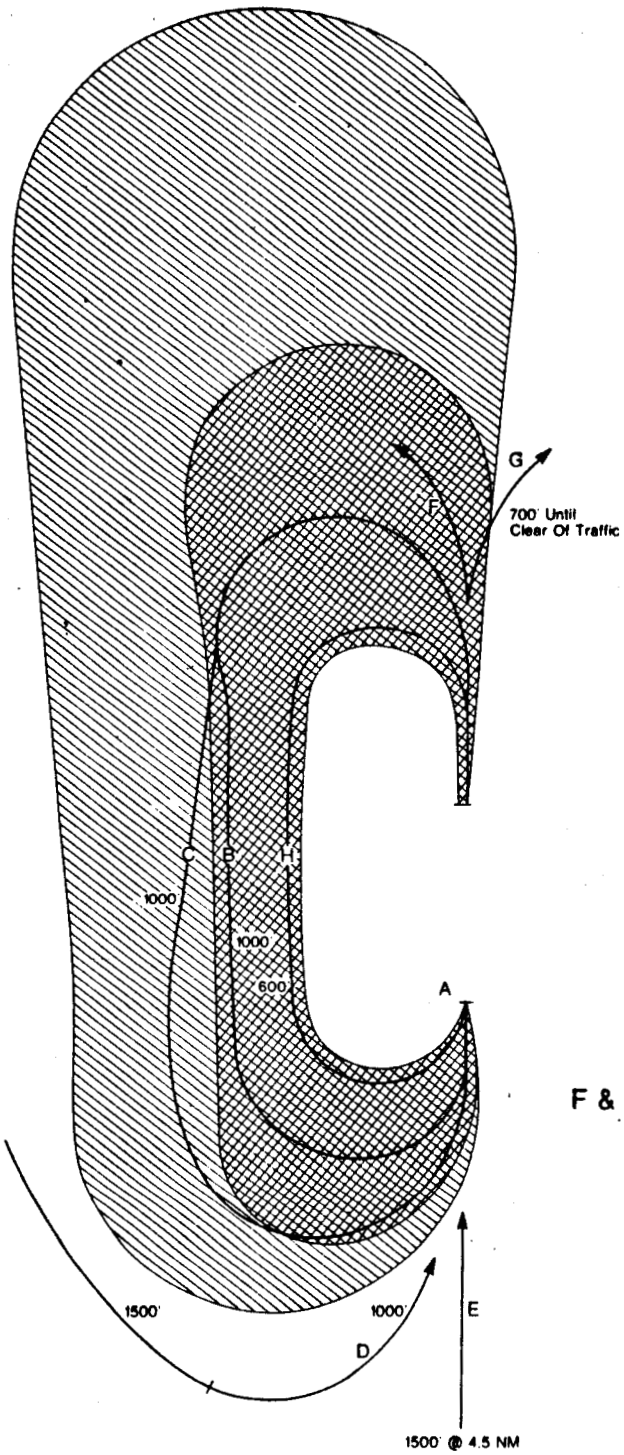


A: Threshold
B: FCLP pattern
C: Normal pattern
D: SSE/no flap pattern

NAS, Corpus Christi and auxiliary landing fields, Texas

Optimum traffic patterns

Exhibit III.8

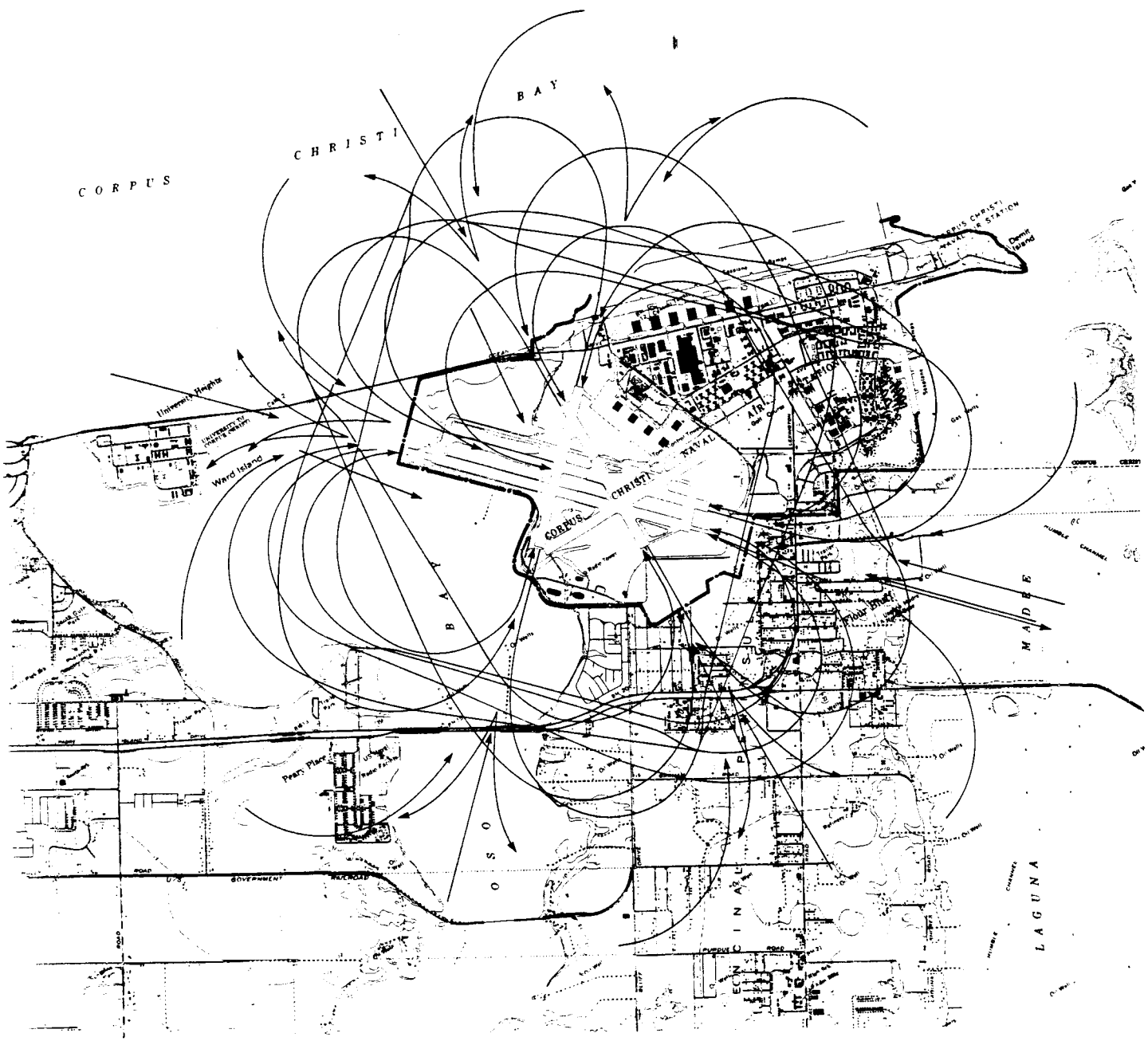


A: Threshold
B: Normal Pattern
C: SSE/No Flap Pattern
D: Entry To The Traffic Pattern From The "Traffic Circle"
E: Straight-In Entry To A Break
F & G: Random Departures
H: FCLP Pattern

NAS, Corpus Christi and auxiliary landing fields, Texas

Representative traffic distribution patterns

Exhibit III.9



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6

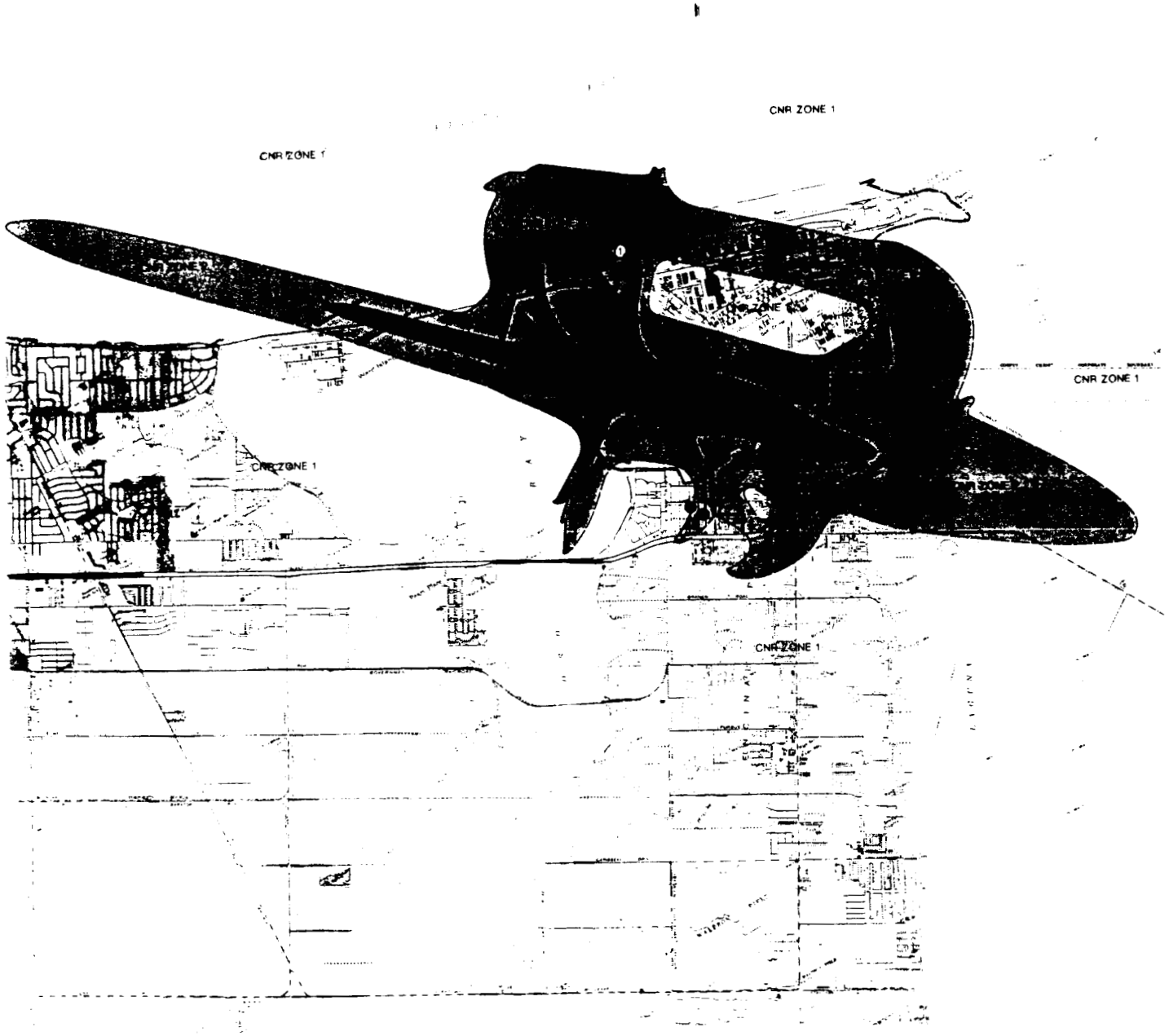
0 .5 1 1.5 2

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Representative traffic patterns

Exhibit III.10



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
●	Location of noise complaints
—·—	Installation boundary

NORTH

Scale in feet

0 2000 4000 6000 8000

0 1 2 3

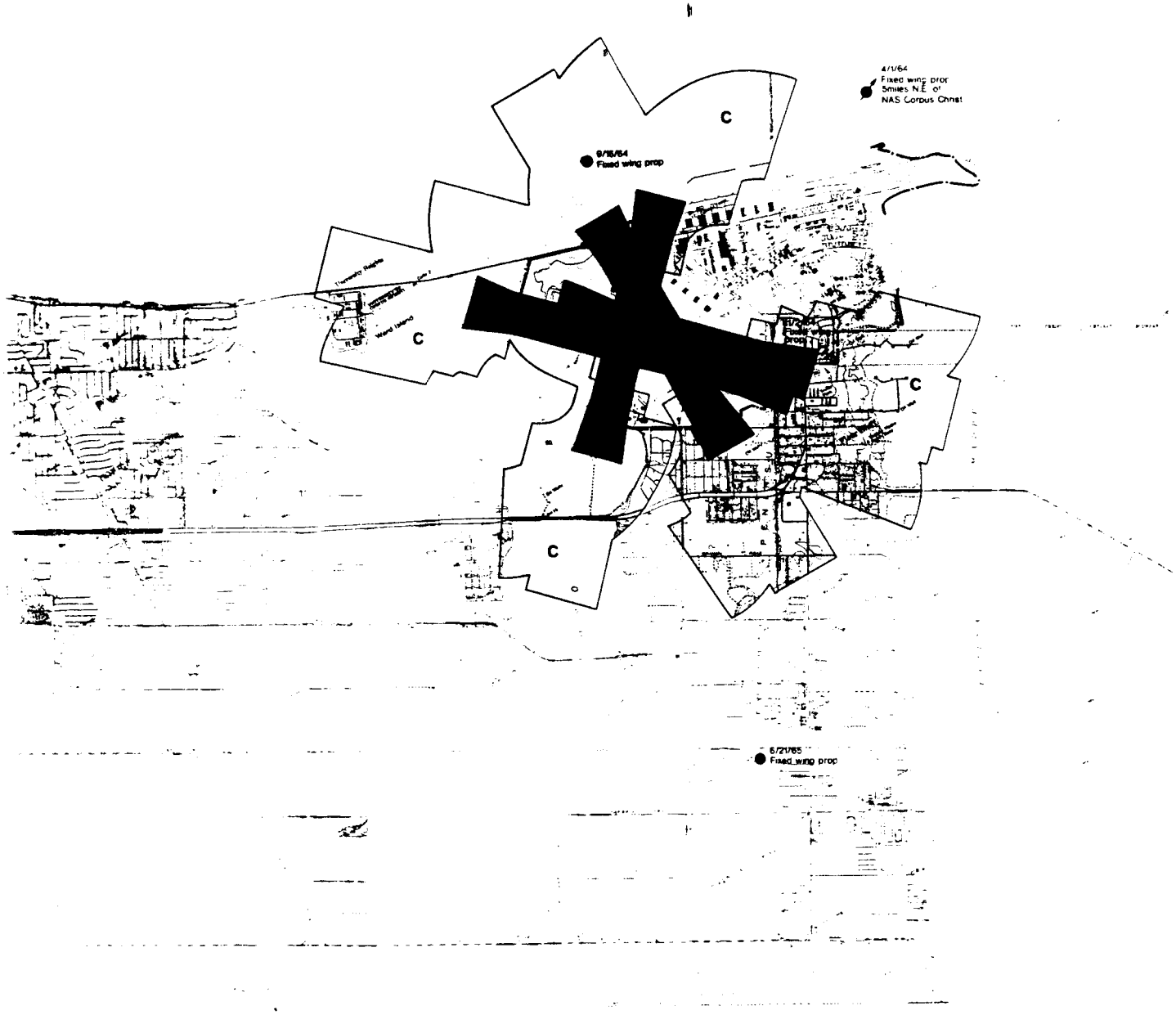
Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit I.1

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6 7 8 9 10

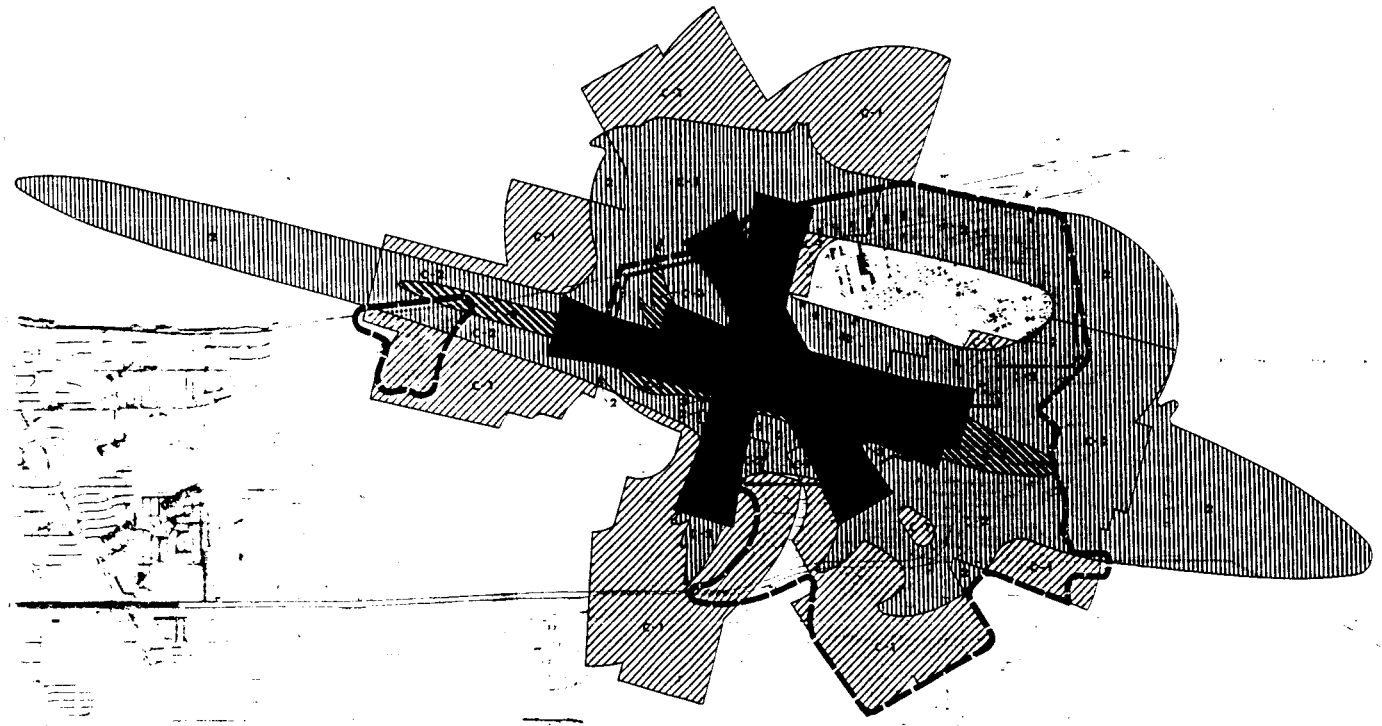
0 1 2 3

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

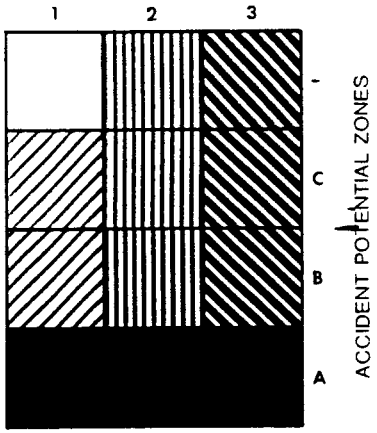
Exhibit I.2



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

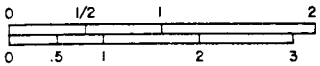
CNR ZONES



Installation boundary

Limit of AICUZ

Scale in statute miles



Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Composite zones and AICUZ

Exhibit I.3

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)						
Residential Mobile Homes (>1 unit/acre)						
Residential-Single family (a/c) (≤1 unit/acre)						
Residential-Single family (a/c) (>1 unit/acre)						
Residential-Single family (w/o a/c) (≤1unit/acre)						
Residential-Single family (w/o a/c) (>1 unit/acre)						
Residential-Multi-family (≤10% ground coverage)						
Residential-Multi-family (>10% ground coverage)						
Commercial - Resort						
Commercial - Retail						
Commercial - Wholesale						
Commercial - Office						
† Institutional - Intensive (a/c)						
† Institutional - Extensive (a/c)						
† Institutional - Intensive (w/o a/c)						
† Institutional - Extensive (w/o a/c)						
Industrial - Service						
Industrial - Manufacturing						
Industrial - Extractive						
Transportation/Utilities						
Agricultural						
Recreational - Golf						
Recreational - Sports Arena or Stadium						
Recreational - Parks						
Recreational - Water						
Forests, Wildlife Habitats						

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

No New Development

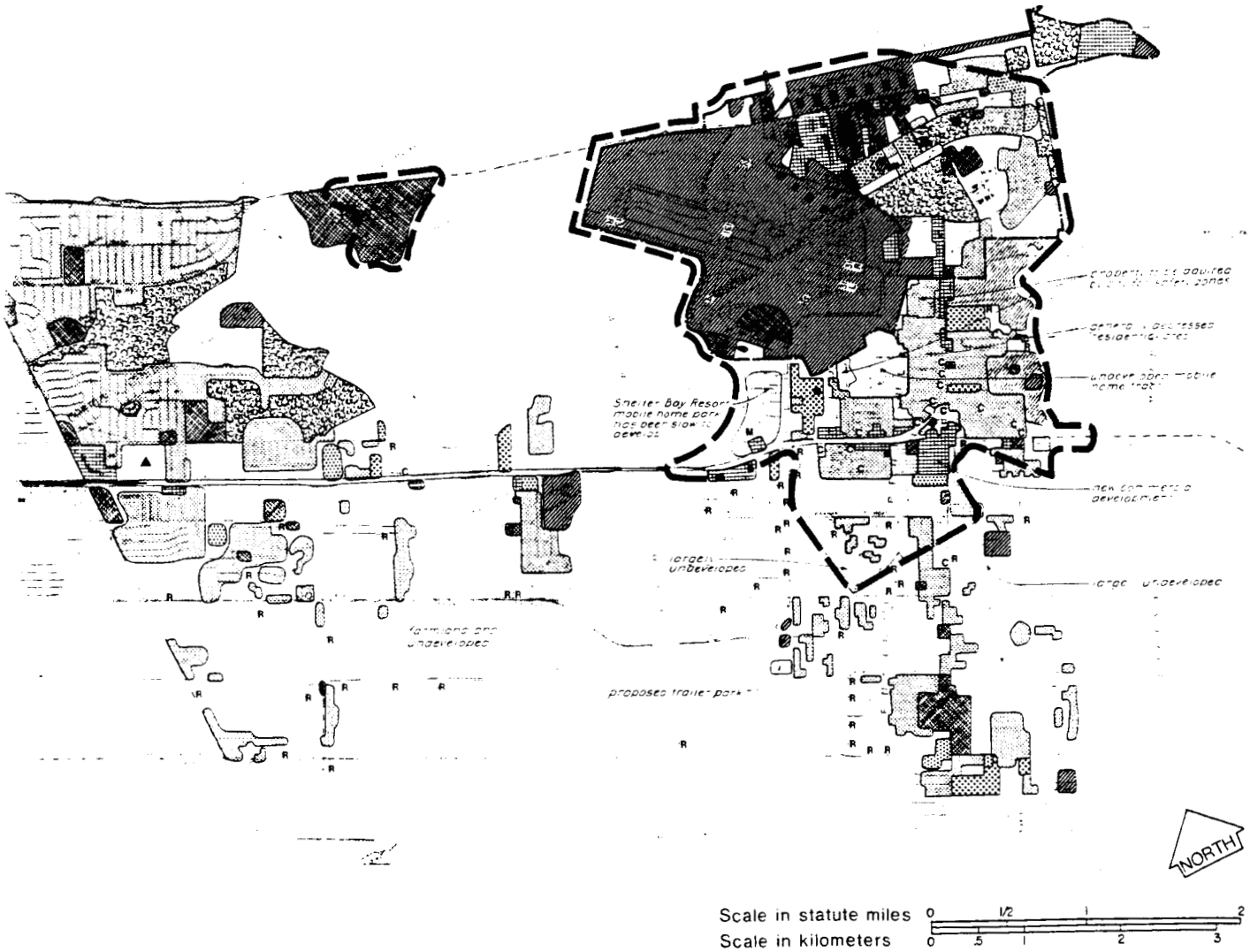
Restricted Development

No Restrictions

Land use objectives

Exhibit I.4

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Limit of AICUZ

(community land use)

EXISTING COMPATIBLE

(R) Single family res.

Multi-family res.

(M) Mobile homes

Institutional

Parks and recreational

(C) Commercial

Industrial

Agriculture/pasture

Theaters, stadiums amphitheaters,

(station land use)

Installation boundary

Family housing

Troop housing

(M) Mobile homes

Training/medical/adm.

Parks/comm. fac. & rec.

Supply/PX/commissary

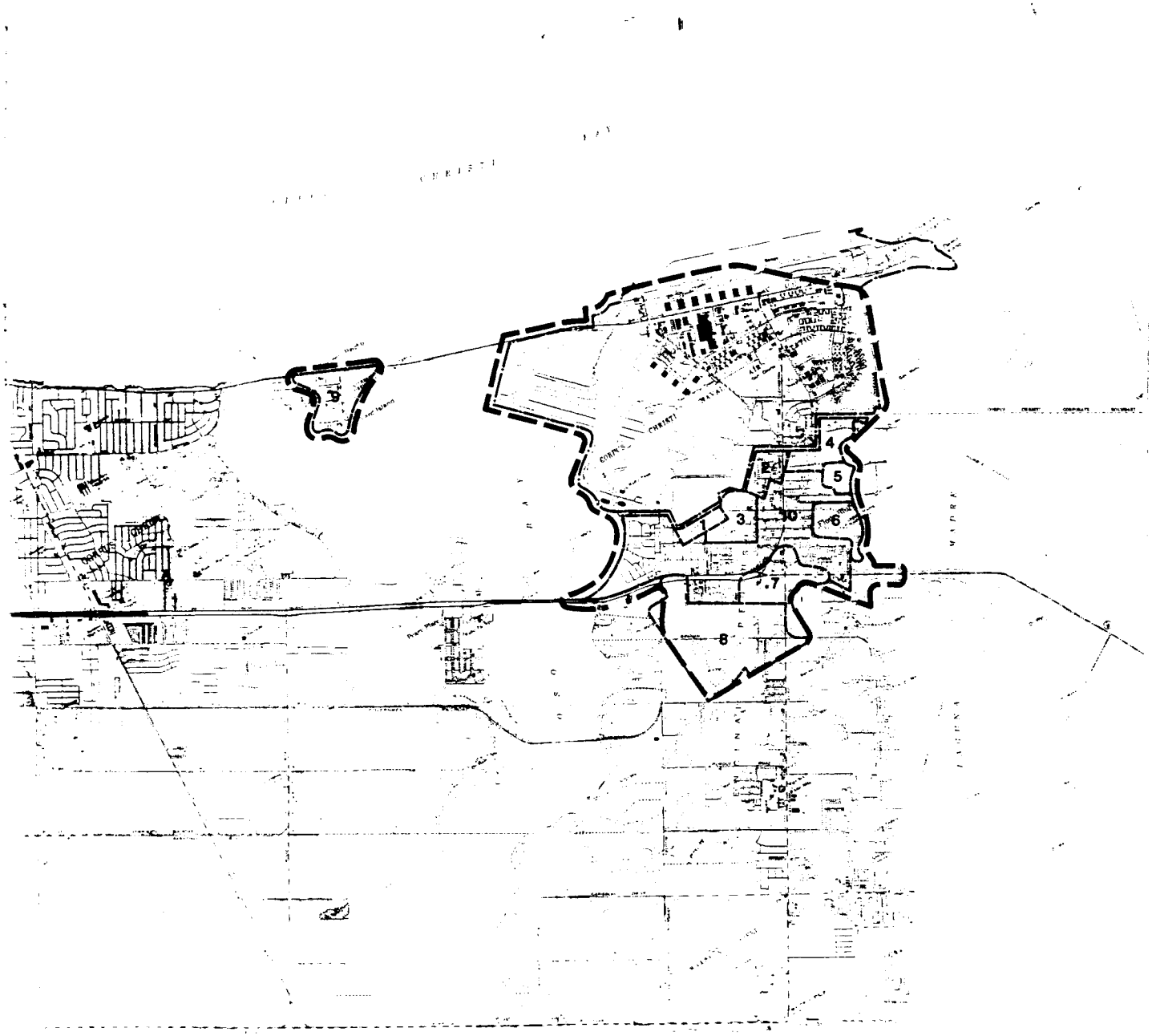
Ops./maint./prod./utilities

Theaters/spectator

NAS Corpus Christi,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit I.5



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

SPA boundary

Limit of AICUZ

Scale in feet

0 2000 4000 6000 8000

0 1 2 3

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit I.6

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRAGETY
1	A	Residential, undeveloped	T-1, R-1B	Diverse	Certain parcels are being acquired by city for safety zone	No developed use; agricultural	Agricultural or other undeveloped open space	- Amend Airport Zoning Ordinance to require special controls within APZ Zone A.
2	A	Residential, commercial along NAS Drive	R-1B, A-1, B-4	Multiple	None anticipating currently developed	No developed use; agricultural	Agricultural or other undeveloped open space	- Amend Airport Zoning Ordinance to require special controls within APZ Zone A.
3	C-2, C-1	Undeveloped mobile home park site, scattered residential	T-1, R-1B	T-1 tract in single ownership other property in multiple ownership	None known	Agricultural	Agricultural	- Indicate "no development" on the Comprehensive Plan - Rezone to F-R Note: objective is to preclude all development; measures such as building code revision for sound attenuation are therefore not listed
4	C-2	Undeveloped	I-3	Single	None known	Industrial	Industrial	- Indicate compatible industrial use in Comprehensive Plan
5	C-2, C-3	Undeveloped	R-1B	Single	None known	Agricultural	Industrial	- Indicate compatible industrial use in Comprehensive Plan - Rezone to I-2 or I-3
6	C-2	Undeveloped, site of sewage treatment plant	R-1B	Two principle owners City owns treatment plant	None known	Agricultural	Industrial, commercial along South Padre Island Drive	- Indicate compatible industrial use in Comprehensive Plan - Rezone to I-2 or I-3
7	C-2, C-1	Commercial undeveloped parcels at business intersection of South Padre Island Drive and Waldron Road	B-4	Diverse	Retail commercial	Retail commercial	Retail commercial	- Indicate compatible retail commercial uses on Comprehensive Plan - Rezone to R-E as appropriate Uphold F-R zoning - Require disclosure statement for property platted within the critical aircraft noise exposure area, CNR-2 - Amend the building code for sound attenuation

NAS Corpus Christi
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit 1.7

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
8	C-1, C-2	Agricultural, scattered single family residences	R-1B, F-R	One principal owner, numerous parcels in individual ownership	None known	Agricultural	Agricultural, low density residential	- Indicate compatible low density residential uses on Comprehensive Plan - Rezone to R-E as appropriate Uphold F-R zoning - Require disclosure statement for property platted within the critical aircraft noise exposure area, CNR-2 - Amend the building code for sound attenuation
9	C-1, C-2, C-3	College campus institutional	R-2	One	Continued building program including classrooms		Institutional with compatible planning and building construction	- Amend the building code to include requirements for sound attenuation. Air conditioning is recommended for all buildings which are exposed to high noise levels and maintain class rooms research or library activities
10	C-2, C-1	Residential, commercial and undeveloped parcels within the urbanized sector of northern Flour Bluff	Primarily R-1B	Multiple	No major redevelopment plans known; mobile home park adjacent to NAS seeks full occupancy			- All new housing to be constructed to conform with sound attenuation standards specified in an amended building code.

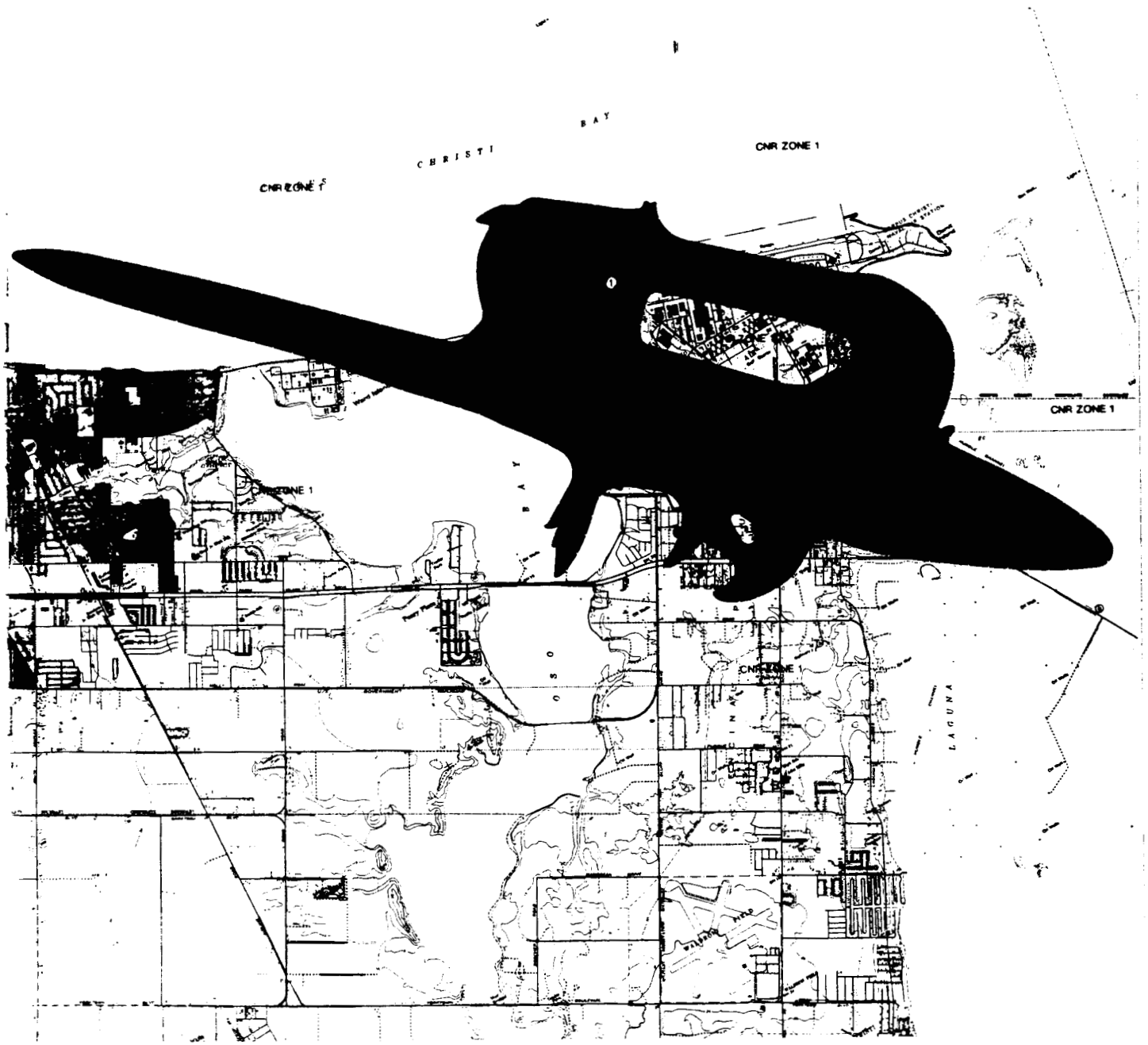
Notes: All development activities in SPA's 4 to 10 in the vicinity of NAS Corpus Christi should additionally be subject to the following:

- Discretionary location of community facilities, especially schools,
- Capital improvements programming sensitive to AICUZ compatible development near installations,
- Awareness of noise exposure as a factor in conventional mortgage review by lending institutions,
- Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ activities, and monitor development.

NAS Corpus Christi
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit I.7



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
●	Location of noise complaints
—·—	Installation boundary

NORTH

Scale in feet

0 2000 4000 6000 8000

0 1 2 3

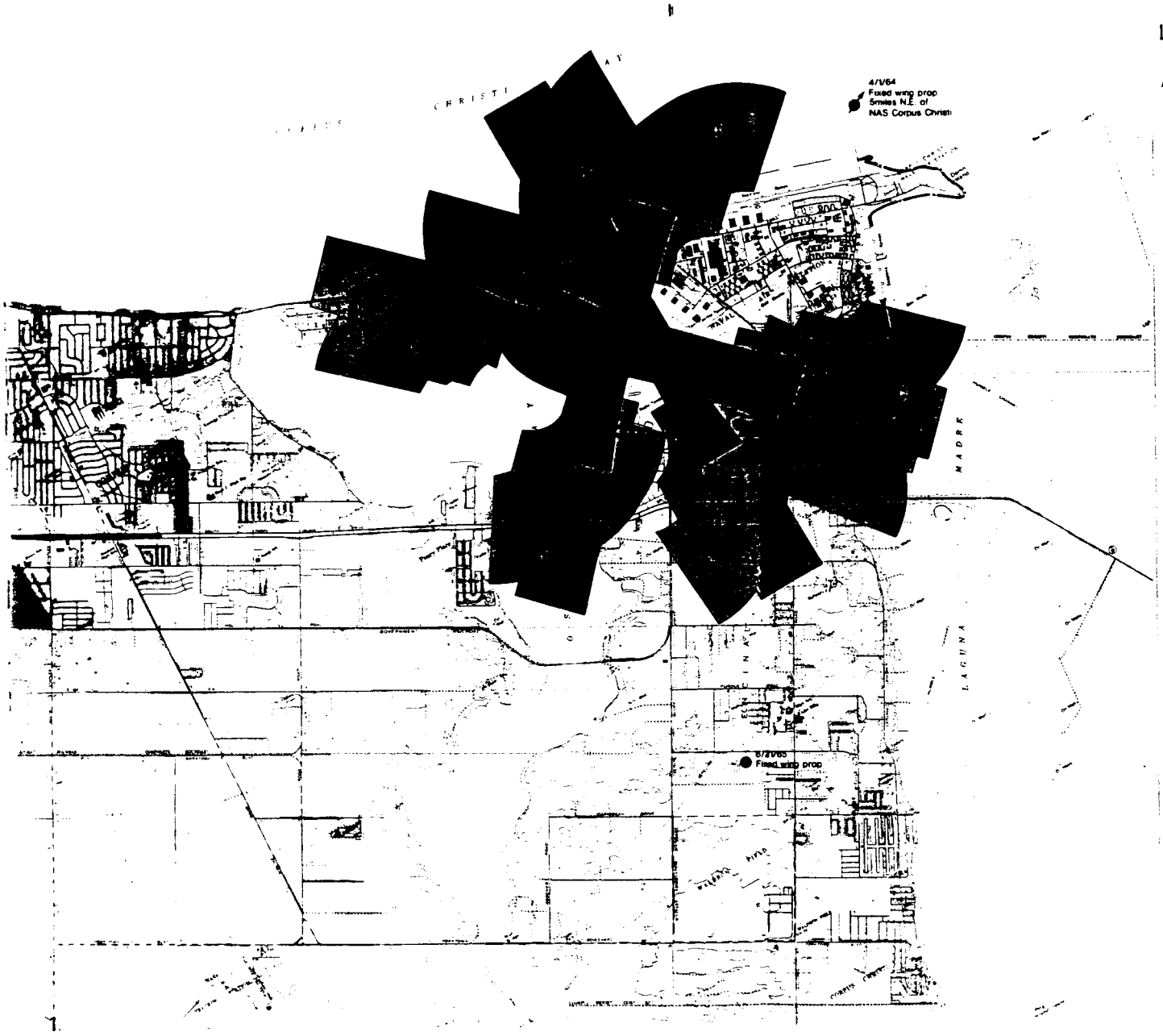
Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit IV.1

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6 7 8 9 10

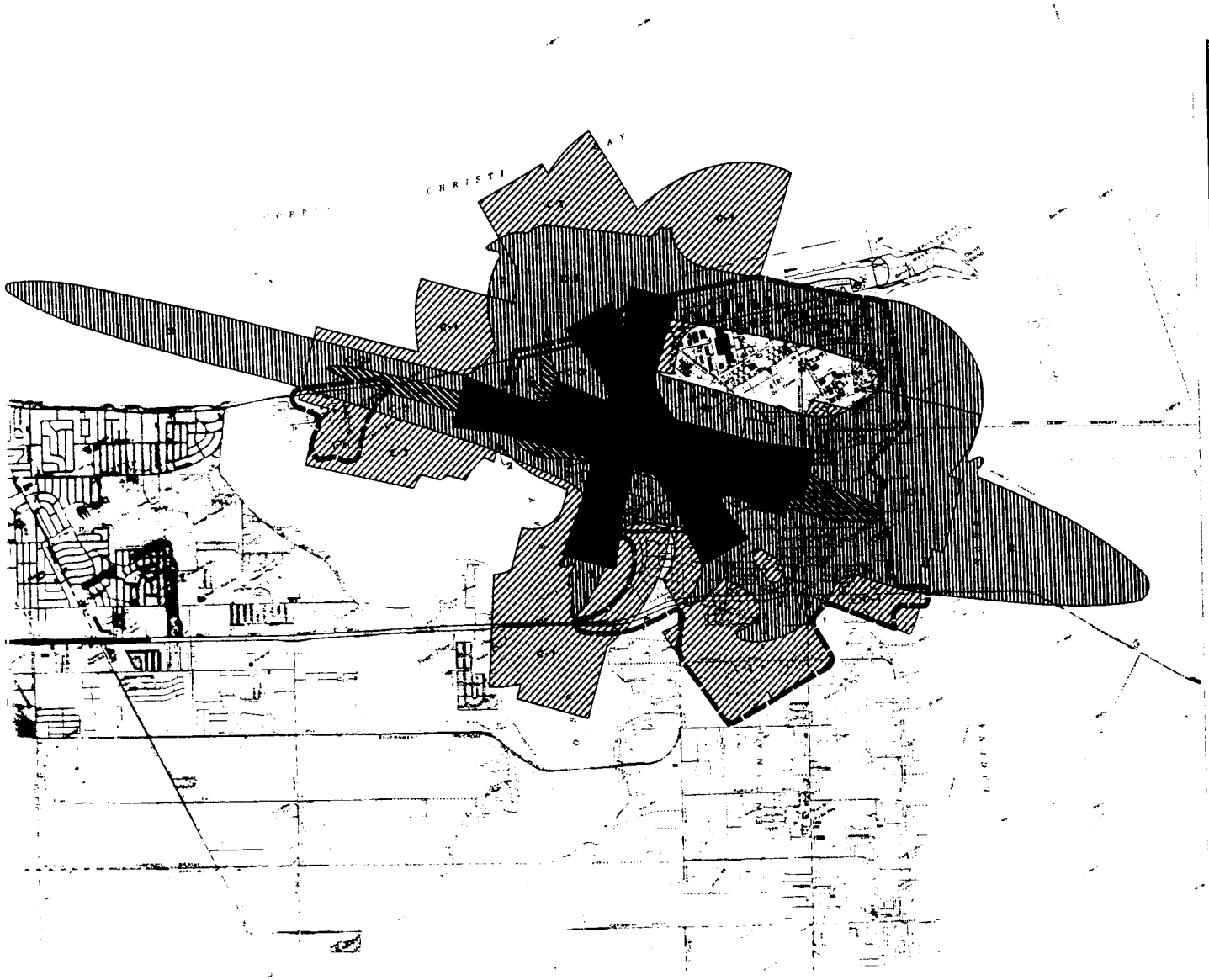
0 1 2 3

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

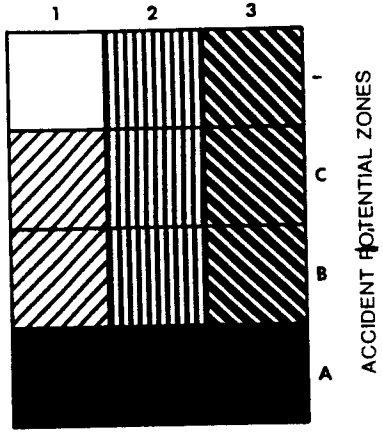
Exhibit IV.3



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

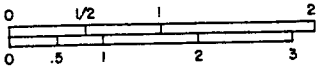
CNR ZONES



Installation boundary

Limit of AICUZ

Scale in statute miles



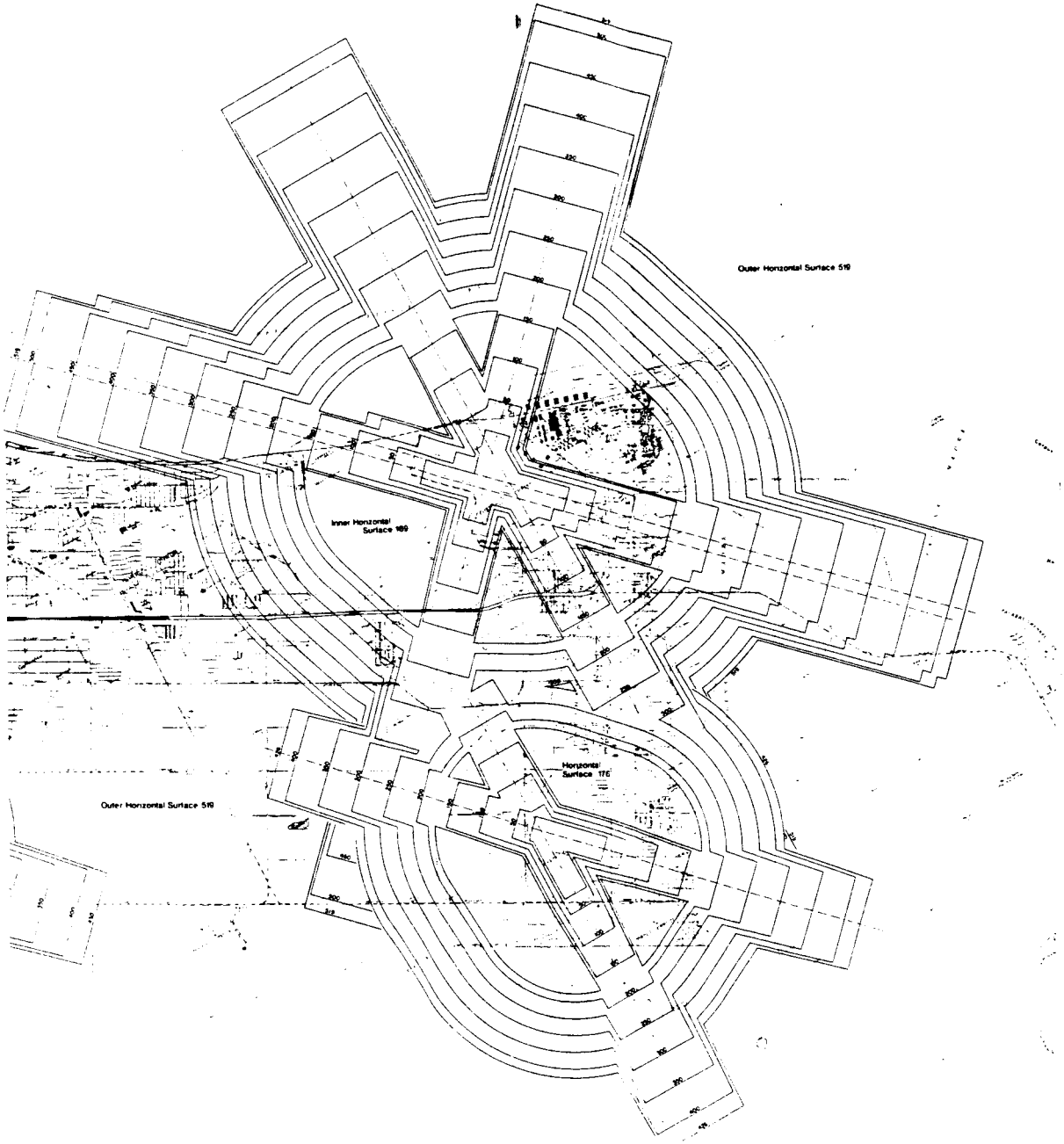
Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit IV.5

HOWARD NEEDLES TAMMEN & BERGENDOFF



NORTH

Scale in statute miles

0 1/2 1 2 3

0 .5 1 2 3 4

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Imaginary surfaces

Exhibit IV.7

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)						
Residential Mobile Homes (>1 unit/acre)						
Residential-Single family (a/c) (≤1 unit/acre)						
Residential-Single family (a/c) (>1 unit/acre)						
Residential-Single family (w/o a/c) (≤1unit/acre)						
Residential-Single family (w/o a/c) (>1 unit/acre)						
Residential-Multi-family (≤10% ground coverage)						
Residential-Multi-family (>10% ground coverage)						
Commercial - Resort						
Commercial - Retail						
Commercial - Wholesale						
Commercial - Office						
† Institutional - Intensive (a/c)						
† Institutional - Extensive (a/c)						
† Institutional - Intensive (w/o a/c)						
† Institutional - Extensive (w/o a/c)						
Industrial - Service						
Industrial - Manufacturing						
Industrial - Extractive						
Transportation/Utilities						
Agricultural						
Recreational - Golf						
Recreational - Sports Arena or Stadium						
Recreational - Parks						
Recreational - Water						
Forests, Wildlife Habitats						

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

No New Development

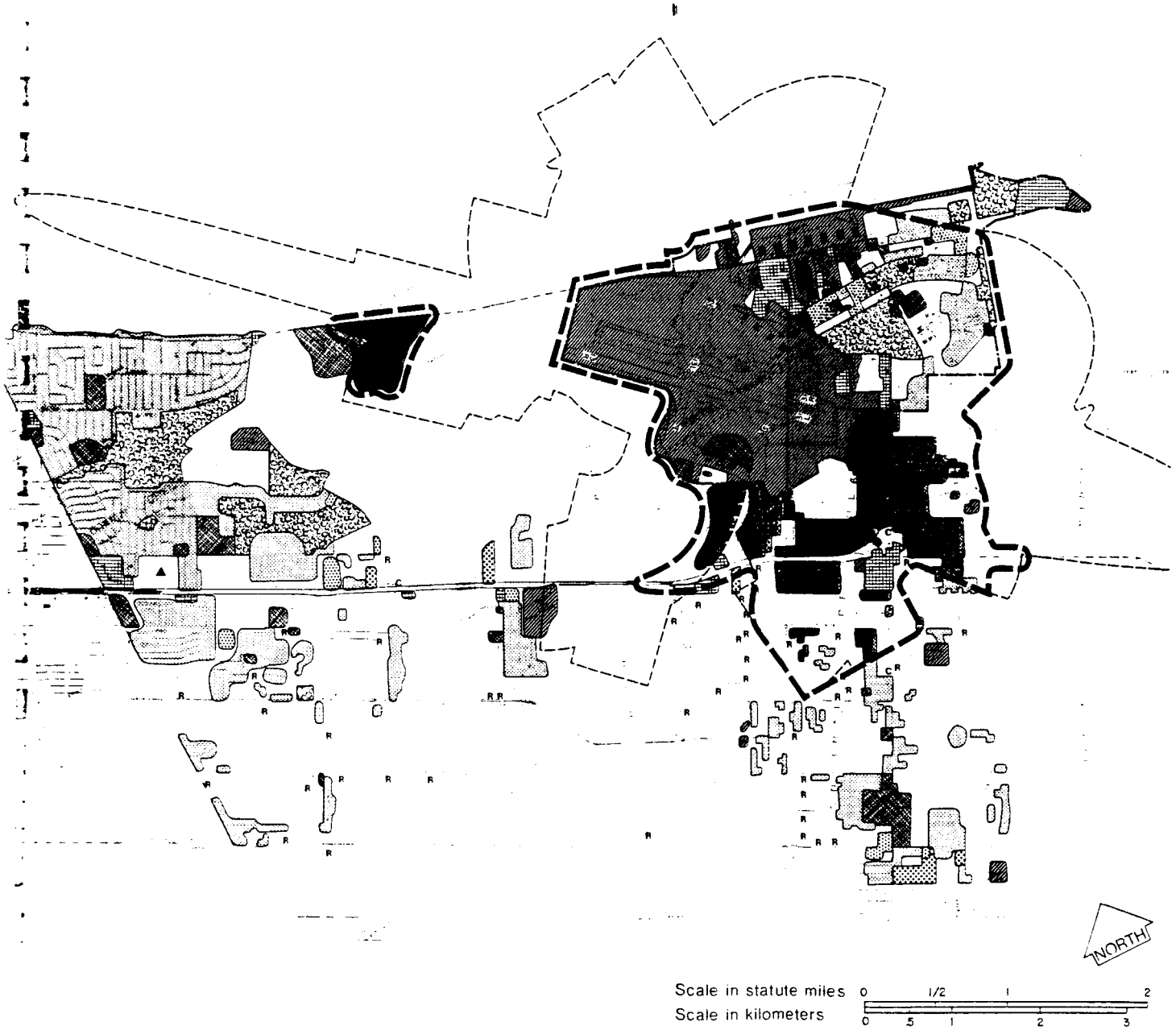
Restricted Development

No Restrictions

Land use objectives

Exhibit V.1

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

(community land use)

- (R) Single family residential
- Multi-family residential
- (M) Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- ▲ Theaters, amphitheaters, stadiums

(station land use)

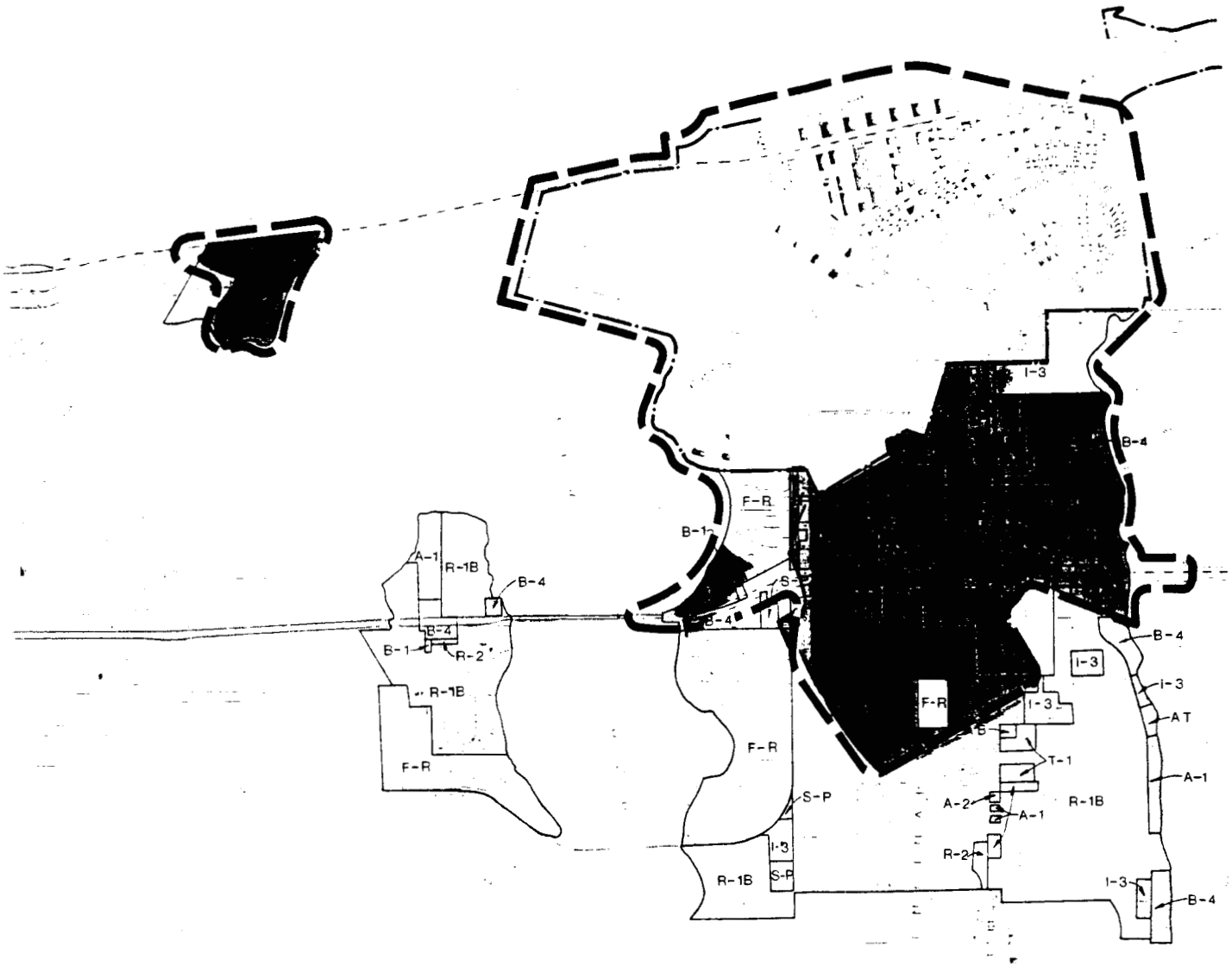
- Installation boundary
- Family housing
- Troop housing
- (M) Mobile homes
- Training/medical/adm.
- Parks/comm. fac. & rec.
- Supply/PX/commissary
- Ops./maint./prod./utilities
- ▲ Theaters/spectator
- Incompatible use
- Limit of composite zones
- Limit of AICUZ

NAS Corpus Christi,
Corpus Christi, Texas

Incompatible land use, AICUZ

Exhibit V-2

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

F-R	Farm-rural district
R-1B	One-family dwelling district
R-2	Multiple dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AB	Professional office district
B-1	Neighborhood business district
I-2	Light industrial district
I-3	Heavy industrial district
SP	Special permit
	Incompatible zoning
	Installation boundaries
	Limit of AICUZ

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6 7

0 .25 .5 .75 1 2

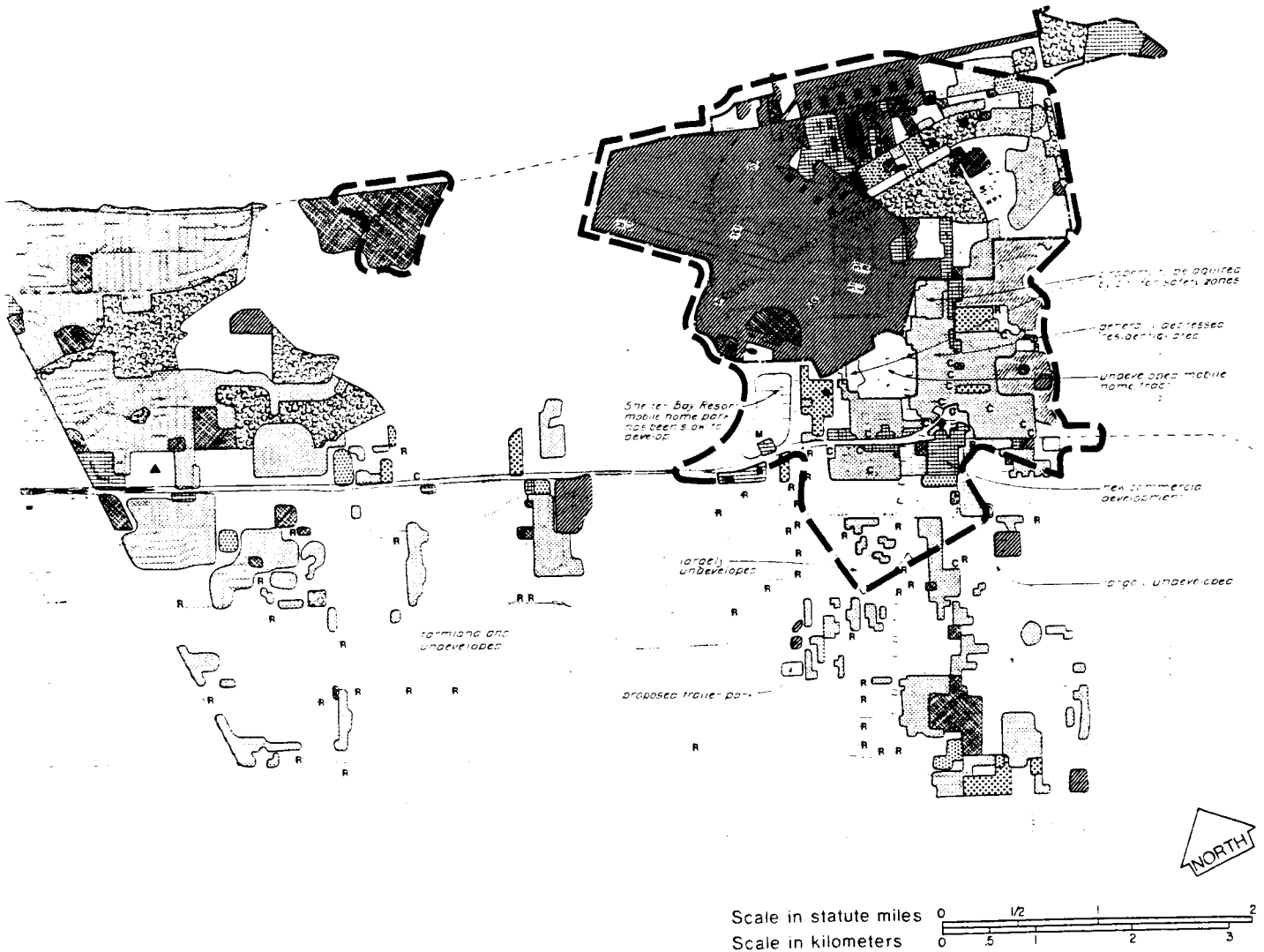
Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Incompatible zoning, AICUZ

Exhibit V.3

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Limit of AICUZ

(community land use)

EXISTING COMPATIBLE

(R) Single family res.

Multi-family res.

(M) Mobile homes

Institutional

Parks and recreational

(C) Commercial

Industrial

Agriculture/pasture

Theaters, stadiums amphitheaters,

(station land use)

Installation boundary

Family housing

Troop housing

(M) Mobile homes

Training/medical/adm.

Parks/comm. fac. & rec.

Supply/PX/commissary

Ops./maint./prod./utilities

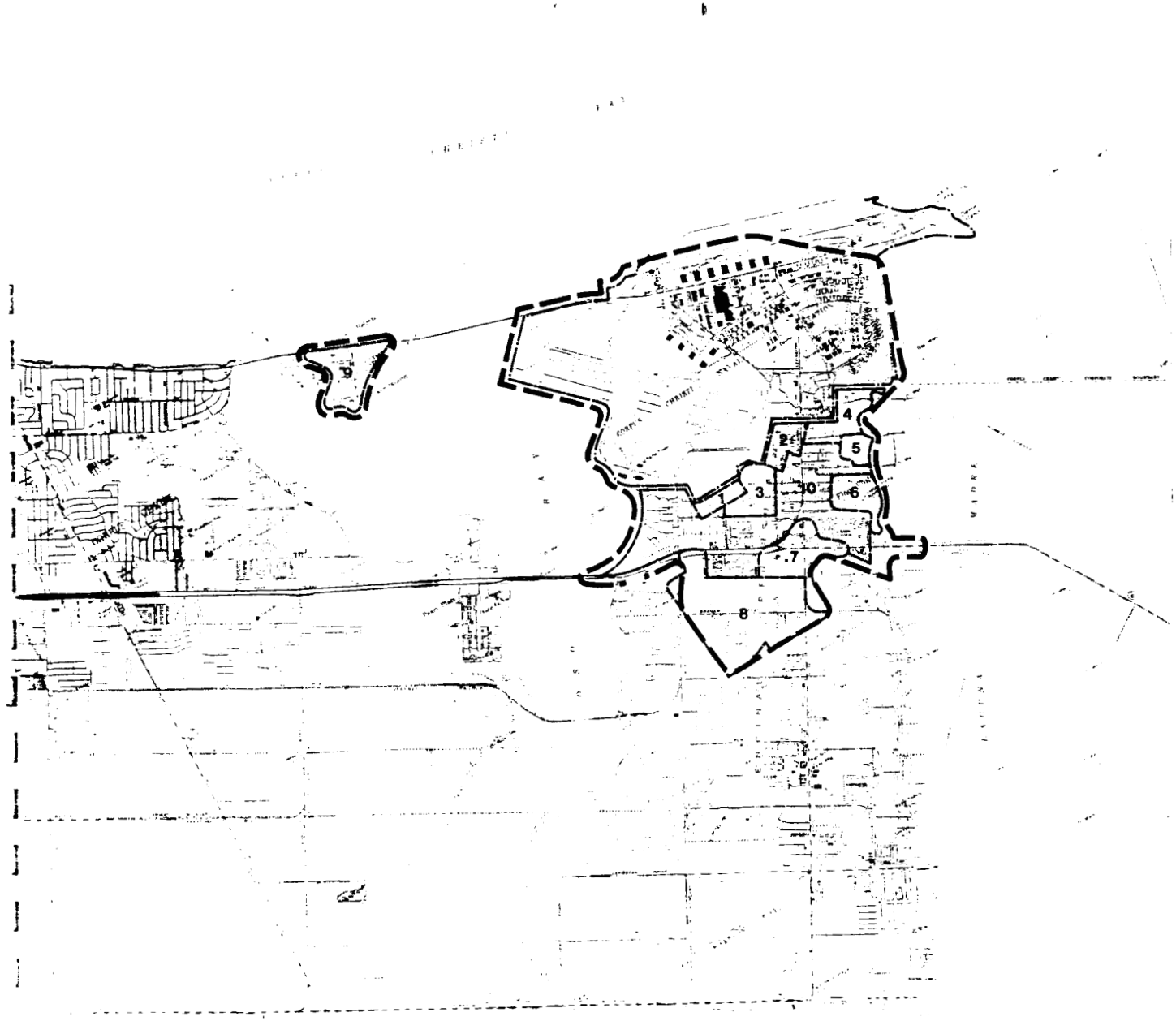
Theaters/spectator

NAS Corpus Christi,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit V.4

HOWARD NEEDLES TAMMEN & BERGENDOFF



Legend

Installation boundary

SPA boundary

Limit of AICUZ

Scale in feet

0 2000 4000 6000 8000

0 1 2 3

Scale in kilometers

NAS Corpus Christi,
Corpus Christi, Texas

Special planning areas,
AICUZ

Exhibit V.5

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	1. RESIDENTIAL									
112	Single Family			1,2	2		1,2	2		1
113	Two-Four Family			1,2	2		1,2	2		1
114	Multi-Family Apts.			1,2	2		1,2	2		1
12	Group Quarters			1,2	2		1,2	2		1
13	Residential Hotels			1,2	2		1,2	2		1
14	Mobile Home Parks or Courts			1,2	2		1,2	2		1
15	Transient Lodging			1,2	2	1,2	1,2	2	1	1
	2 and 3. MANUFACTURING									
21	Food & Kindred Products		3,4	4	4	3			3	
22	Textile Mill Products		3,4	4	4	3			3	
23	Apparel & Similar Products		3,4	4	4	3			3	
24	Lumber & Wood Products		3,4	4	4	3			3	
25	Furniture & Fixtures		3,4	4	4	3			3	
26	Paper & Allied Products		3,4	4	4	3			3	
27	Printing & Publishing		3,4	4	4	3			3	
28	Chemicals & Allied Products		3,4	4	4	3			3	
29	Petroleum Refining & Related Industries								3	
31	Rubber & Plastic Products		3,4	4	4	3			3	
32	Stone, Clay, & Glass		3,4	4	4	3			3	
33	Primary Metal Industries		3,4	4	4	3			3	
34	Fabricated Metal Products		3,4	4	4	3			3	
35	Professional & Scientific Instruments		3,4	4	4	3	3		3	3

1-4: See notes on pages following this chart

No New Development

Restricted New Development

No Restrictions

Land use objectives amplified

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	4. TRANSPORTATION, COMMUNICATION & UTILITIES									
41	R.R.,and Rail Transportation									
42	Motor Vehicle Transportation									
44	Marine Craft Transportation									
45	Hwy. & St. Right Of Way									
46	Automobile Parking									
47	Communications		3	3		3	3		3	3
48	Utilities	7								
	5. TRADE									
51	Wholesale Trade		4	4	4					
52	Retail Trade-Bldg. Materials, Hdw. & Farm Eqt		4	4	4	3			3	
53	Retail Trade-Gen. Mdse.		3,4	3,4	4	3			3	
54	Retail Trade - Food		3,4	3,4	4	3			3	
55	Retail Trade-Automotive Marine Craft, Aircraft		3,4	3,4	4	3			3	
56	Retail Trade-Apparel & Accessories		3,4	3,4	4	3			3	
57	Retail Trade-Furniture, Home Furnishings, & Equip.		3,4	3,4	4	3			3	
58	Retail Trade-Eating & Drinking					3			3	
	6. SERVICES									
61	Finance, Insurance, & Real Estate Services		4,8	4	4	8			8	
62	Personal Services		4,8	4	4	8			8	
63	Business Services		4,8	4	4	8			8	
64	Repair Services		3,4	4	4	3			3	
651	Medical & Health Services			4	4		8		8	
652-9	Professional Services		4,8	4	4	8			8	
66	Contract Construction Services									
671	Government Offices		4,8	4	4	8			8	

3-8: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
674	Correctional Institutions			1,2	2		1,2	2		1
675	Military Installations		9	9	9	9	9	9	9	9
68	Educational Services					4	4	4		8
691	Religious Activities		4,8	4	4	8			8	
	7. CULTURAL ENTERTAINMENT AND RECREATION									
711	Cultural Activities			4,8	4		8			8
712	Nature Exhibits		10	10	10	10	10		10	10
721	Entertainment Assembly						11	11		11
722	Sports Assembly					11	11	11	11	11
723	Public Assembly (Auditoriums)			4,8	4		8			8
73	Amusements (Outdoor)									
741	Sports Activities									
743-4	Water Based Activities									
75	Resorts & Group Camps									
761	Playgrounds & Neighborhood Parks		12	12	12	12			12	
762-4	Community Parks		12	12	12	12			12	
	8. RESOURCE PRODUCTION AND EXTRACTION									
814	Agricultural Except Livestock									
815-17	Livestock Farming, Animal Breeding		13			13			13	
82	Agricultural Related Activities									
83	Forestry Activities & Related Services									
84	Fishing Activities & Related Services									
85	Mining Activities & Related Services									
	9. UNDEVELOPED LAND AND WATER AREAS									
91	Undeveloped, Unused Land, Excluding Non-Commercial Forests									
92	Non-Commercial Forests									
93	Water Areas									

1-13: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

Station: NAS Corpus Christi

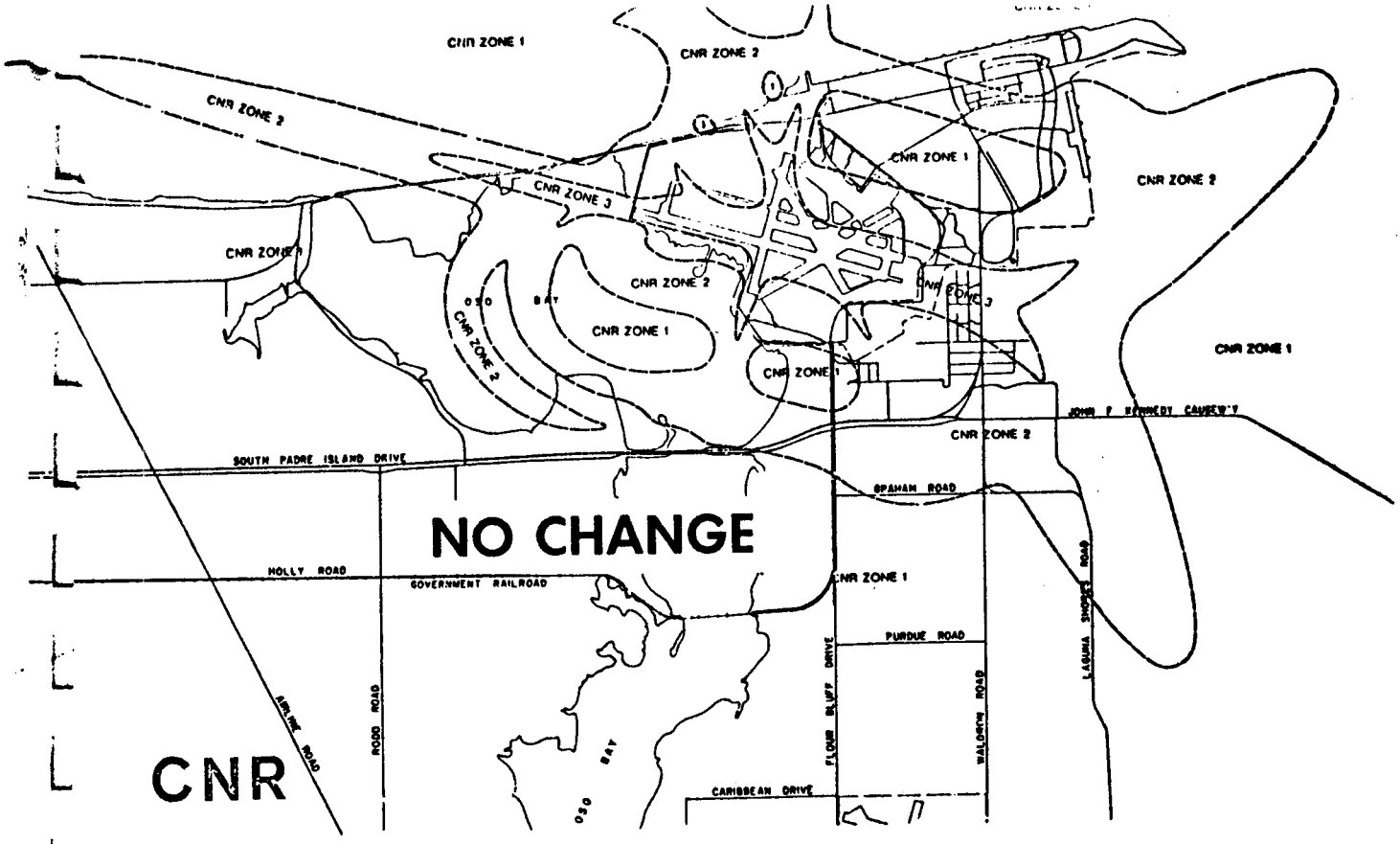
Operational Change Description: Require climb straight ahead of runways 13R and 13L until over water before commencing turn.

Factor	Evaluation
Change in CNR Zones	Along Laguna Madre Shoreline both north and south of S. Padre Island Drive approximately 50 single family homes and six commercial businesses would be removed from restrictive CNR Zones. About 300 acres of farmland are also shifted from CNR 2. There is a net decrease in single family homes exposed to CNR-3. Extensions and constrictions of CNR 2 occur over the Laguna Madre but do not effect noise sensitive uses.
Changes in APZ Zones	No significant effect.
Operational Difficulty of implementation	None known.
Operational costs of implementation	None known.
Summary and Decision	Implement. At no cost or operational difficulty, this change would bring substantial benefit to the off-station community. There is a net reduction in the number of households exposed to CNR-3.

Station: NAS Corpus Christi

Operational Change Description: Require departing traffic destined for NALF Cabaniss to climb to 2000' over water before turning on course to Cabaniss.

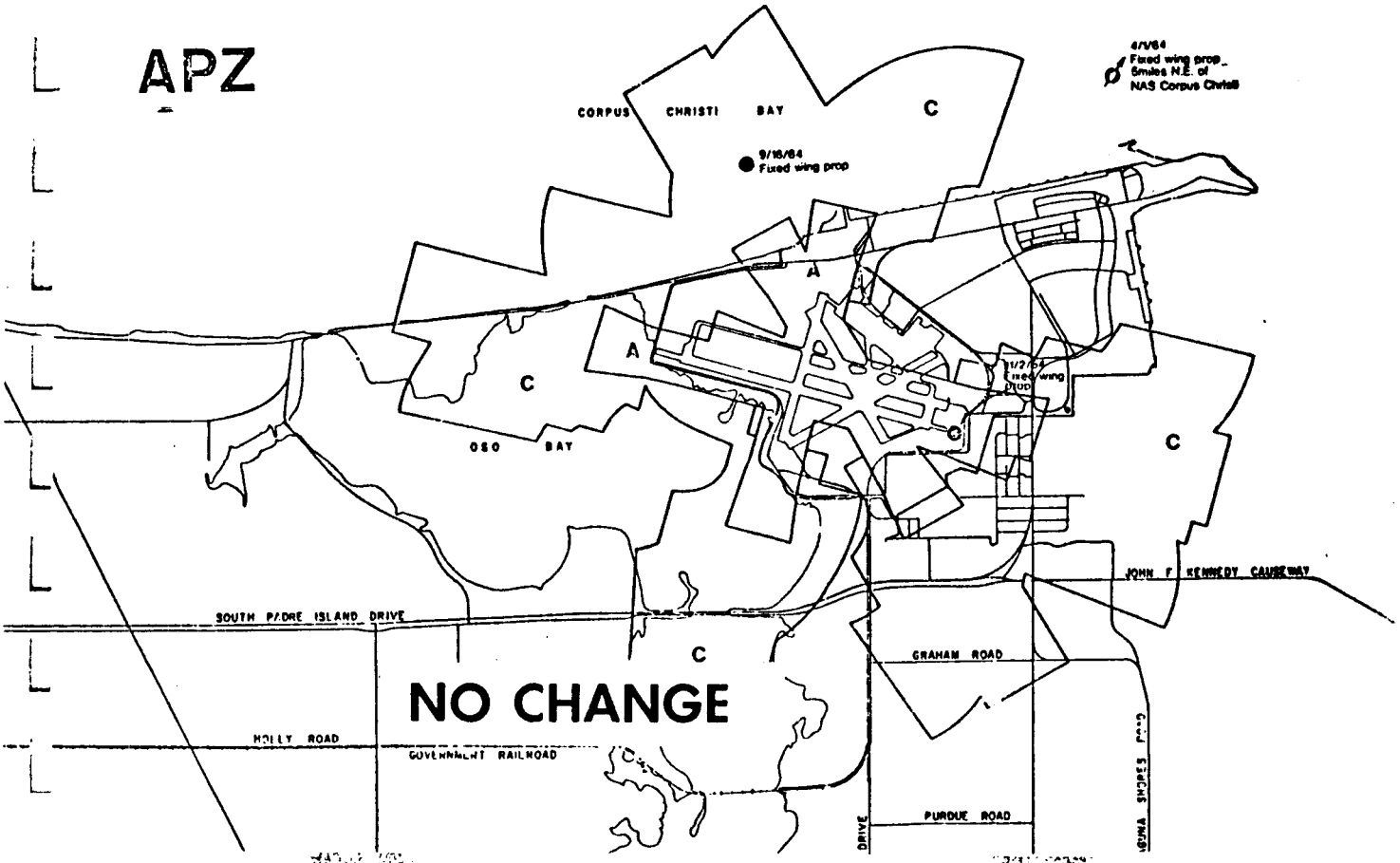
Factor	Evaluation
Changes CNR Zones	No appreciable change.
Changes APZ Zones	No appreciable change.
Changes in land acquisition	None.
Changes in community implementation actions	None.
Operational difficulty in implementation	None. TRAWING will investigate implementation with FAA. Possibility that traffic can fly at 2000' to Cabaniss and 1500' from Cabaniss will be examined.
Operational costs of implementation	$28,500 per annum, resulting from additional flight time for TS-2A aircraft.
Summary and Decision	Implement. Minimal improvement in noise and accident potential environments as reflected in CNR Zones and APZ's, but the public will notice an improvement and it should eliminate community complaints resulting from occasional low-flying aircraft.

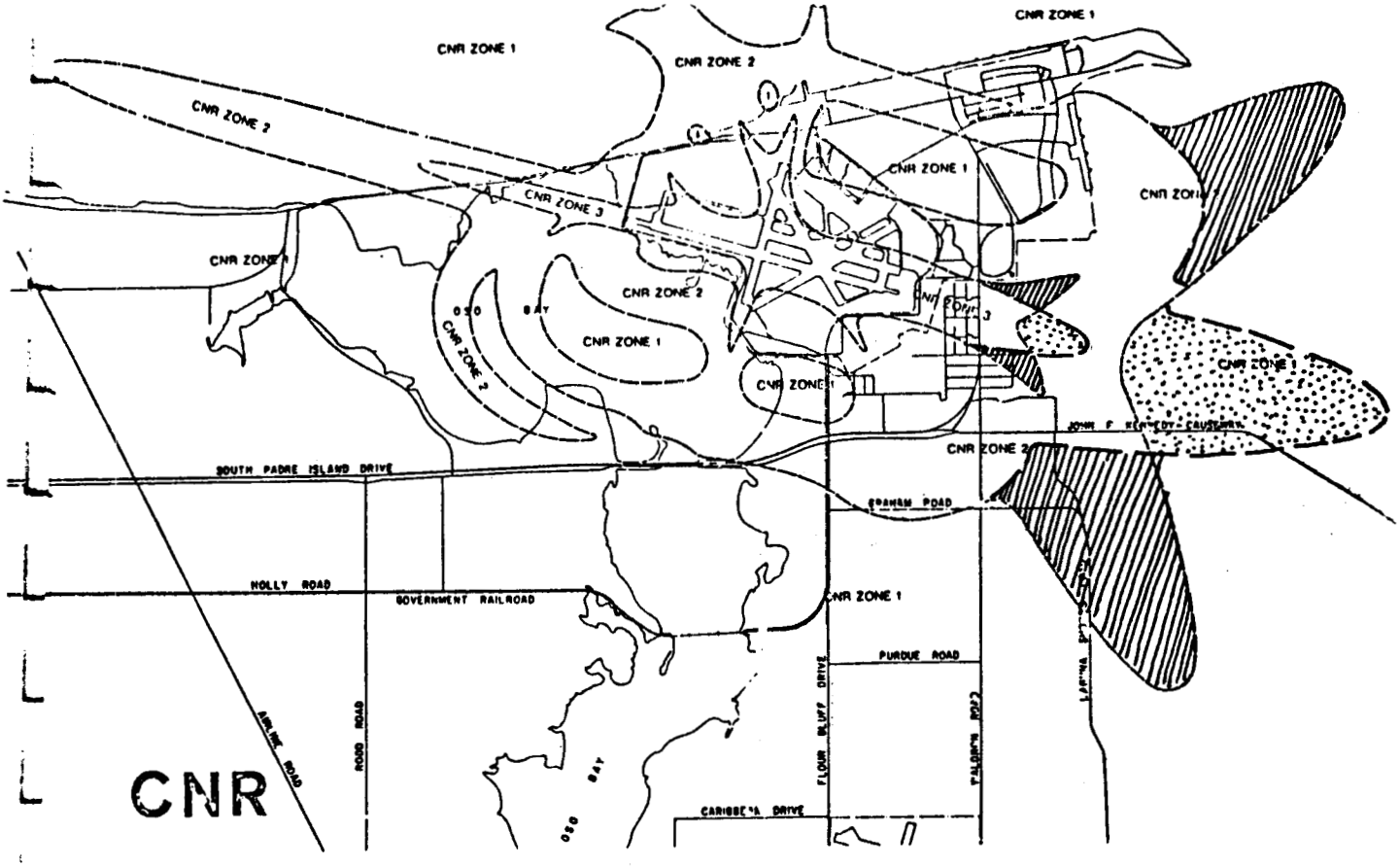


Decreased exposure

Increased exposure

NAS Corpus Christi, Corpus Christi, Texas

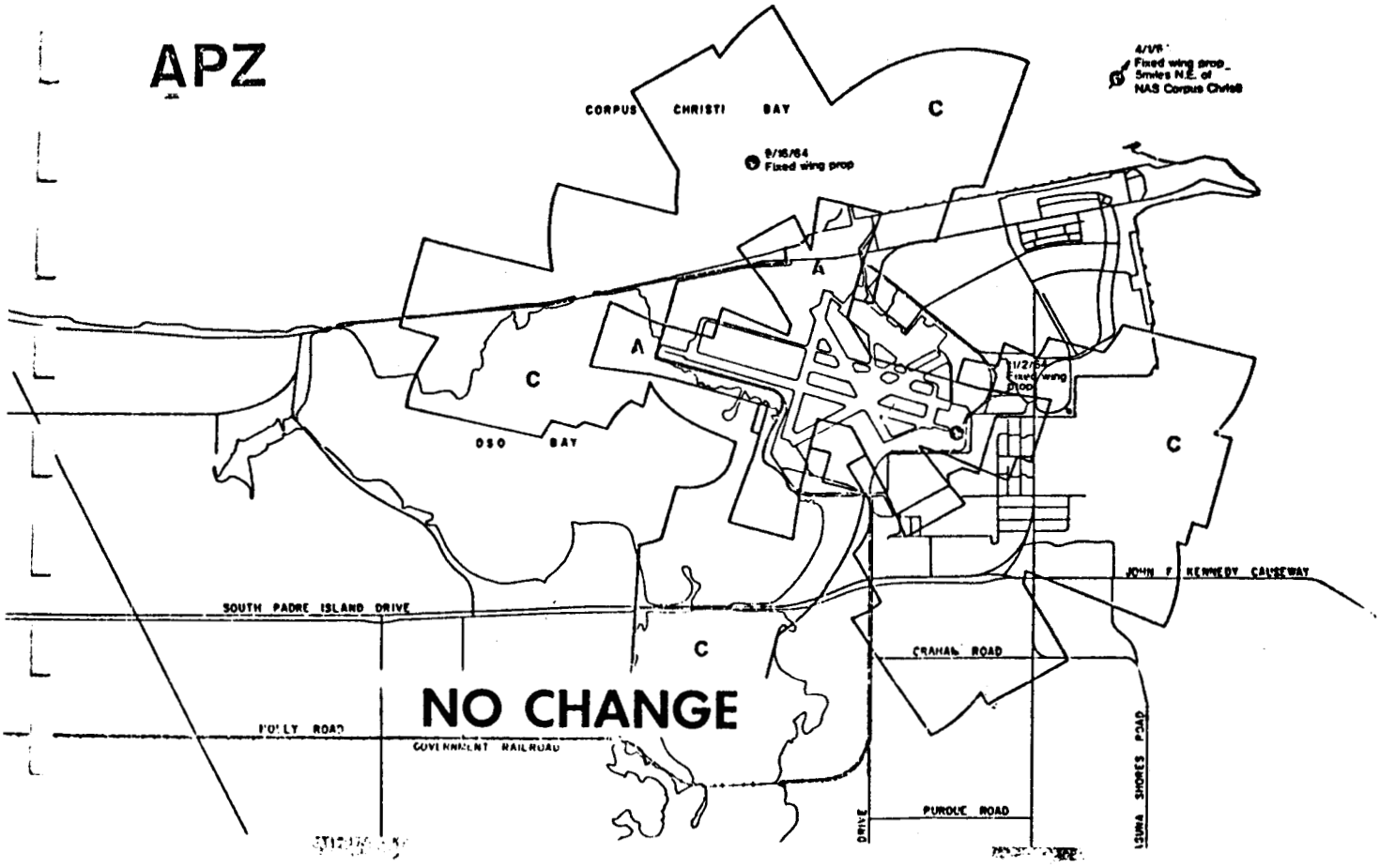




Decreased exposure

Increased exposure

NAS Corpus Christi,
Corpus Christi, Texas



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2	A	Residential, commercial along NAS Drive	R-1B, A-1, B-4	Multiple	None anticipating currently developed	No developed use; agricultural	Agricultural or other undeveloped open space	- Amend Airport Zoning Ordinance to require special controls within APZ Zone A.
3	C-2, C-1	Undeveloped mobile home park site, scattered residential	T-1, R-1B	T-1 tract in single ownership other property in multiple ownership	None known	Agricultural	Agricultural	- Indicate "no development" on the Comprehensive Plan - Rezone to F-R Note: objective is to preclude all development; measures such as building code revision for sound attenuation are therefore not listed
4	C-2	Undeveloped	I-3	Single	None known	Industrial	Industrial	- Indicate compatible industrial use in Comprehensive Plan
5	C-2, C-3	Undeveloped	R-1B	Single	None known	Agricultural	Industrial	- Indicate compatible industrial use in Comprehensive Plan - Rezone to I-2 or I-3
6	C-2	Undeveloped, site of sewage treatment plant	R-1B	Two principle owners City owns treatment plant	None known	Agricultural	Industrial, commercial along South Padre Island Drive	- Indicate compatible industrial use in Comprehensive Plan - Rezone to I-2 or I-3
7	C-2, C-1	Commercial undeveloped parcels at business intersection of South Padre Island Drive and Waldron Road	B-4	Diverse	Retail commercial	Retail commercial	Retail commercial	- Indicate compatible retail commercial uses on Comprehensive Plan - Rezone to R-E as appropriate Uphold F-R zoning - Require disclosure statement for property platted within the critical aircraft noise exposure area, CNR-2 - Amend the building code for sound attenuation

NAS Corpus Christi
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
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9	C-1, C-2, C-3	College campus institutional	R-2	One	Continued building program including classrooms		Institutional with compatible planning and building construction	- Amend the building code to include requirements for sound attenuation. Air conditioning is recommended for all buildings which are exposed to high noise levels and maintain class rooms research or library activities
10	C-2, C-1	Residential, commercial and undeveloped parcels within the urbanized sector of northern Flour Bluff	Primarily R-1B	Multiple	No major redevelopment plans known; mobile home park adjacent to NAS seeks full occupancy			- All new housing to be constructed to conform with sound attenuation standards specified in an amended building code.

Notes: All development activities in SPA's 4 to 10 in the vicinity of NAS Corpus Christi should additionally be subject to the following:

- Discretionary location of community facilities, especially schools,
- Capital improvements programming sensitive to AICUZ compatible development near installations,
- Awareness of noise exposure as a factor in conventional mortgage review by lending institutions,
- Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ activities, and monitor development.

NAS Corpus Christi
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

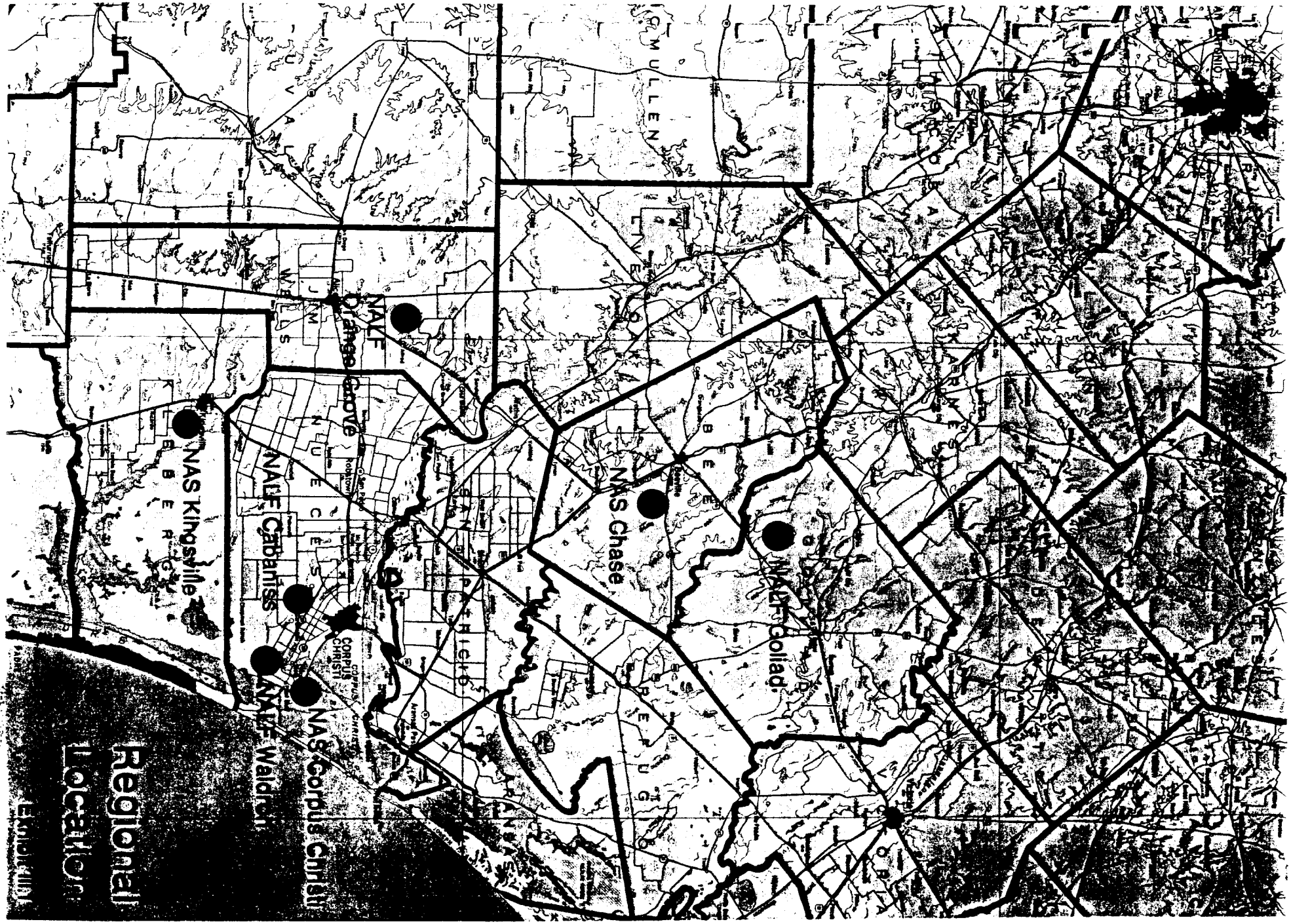
AICUZ

Air Installation Compatible Use Zones

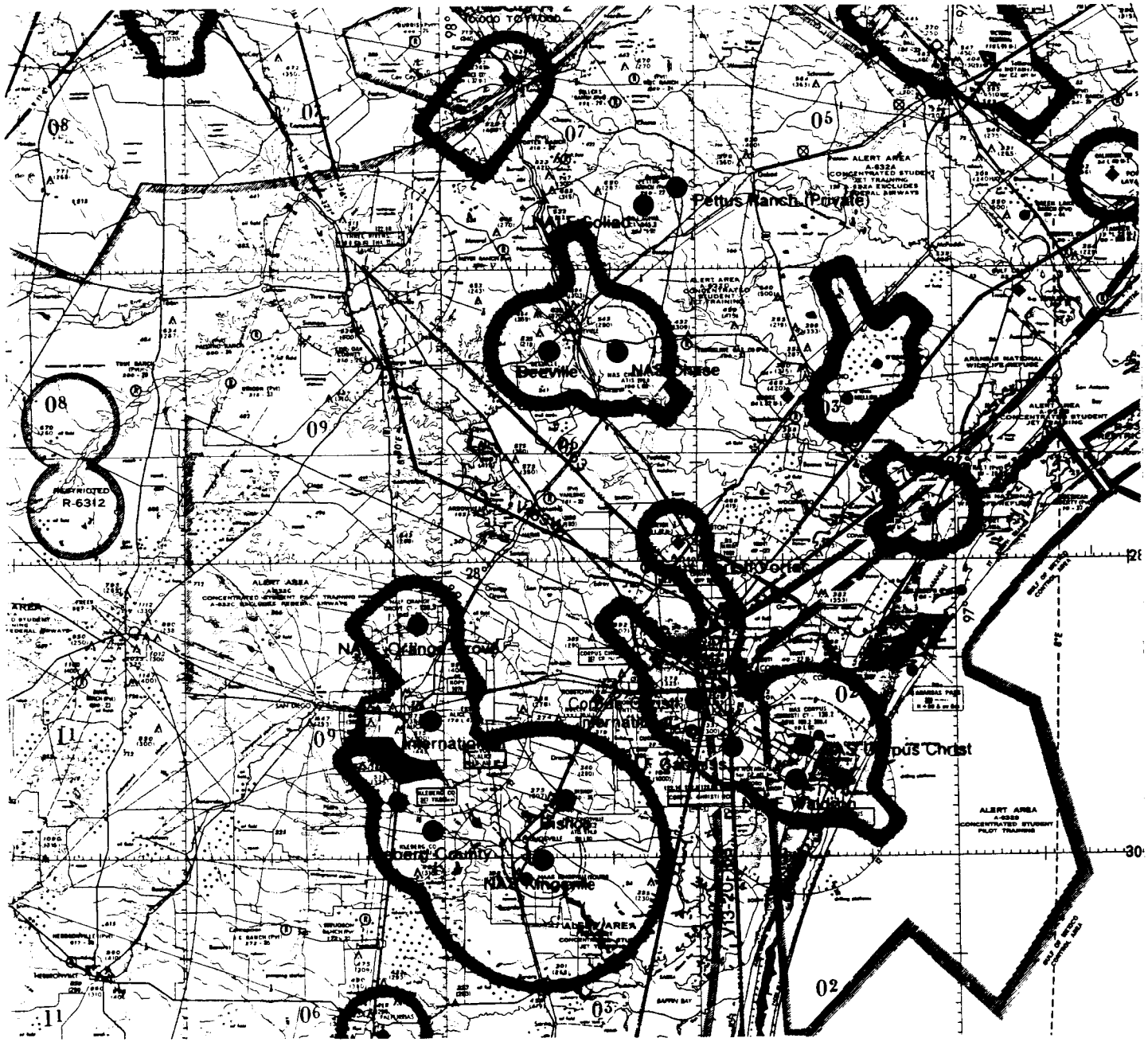
NALF Cabaniss
Corpus Christi, Texas

Southern Division - Naval Facilities Engineering Command
Charleston, South Carolina

Howard, Needles, Tammen & Bergendoff Architects/Engineers/Planners
Dallas, Texas



AICUZ Air Installation Compatible Use Zones Study



NORTH

Scale in nautical miles

0 5 10 15 20

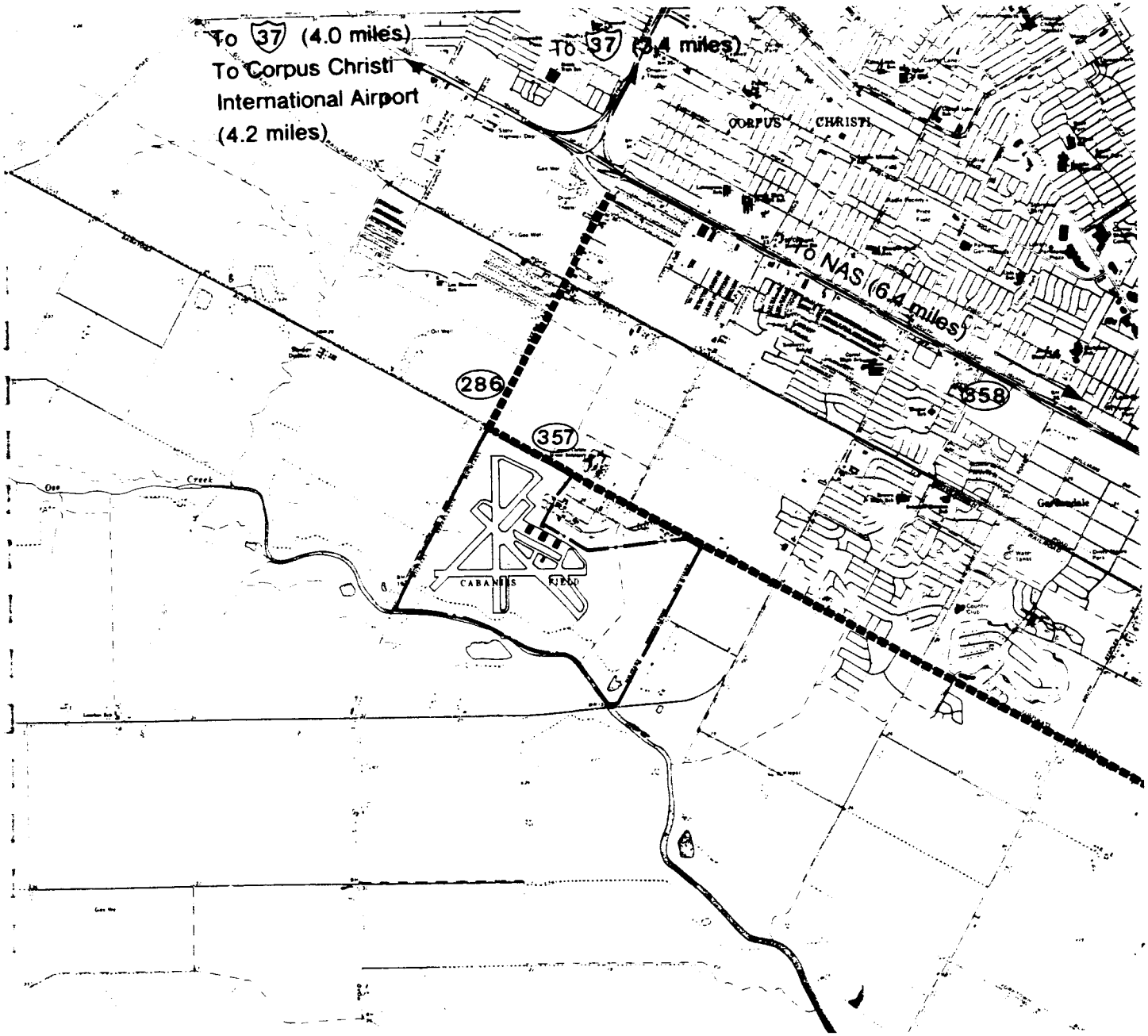
0 10 20 30 40

Scale in kilometers

Corpus Christi region, Texas

Airport system

Exhibit III.11



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

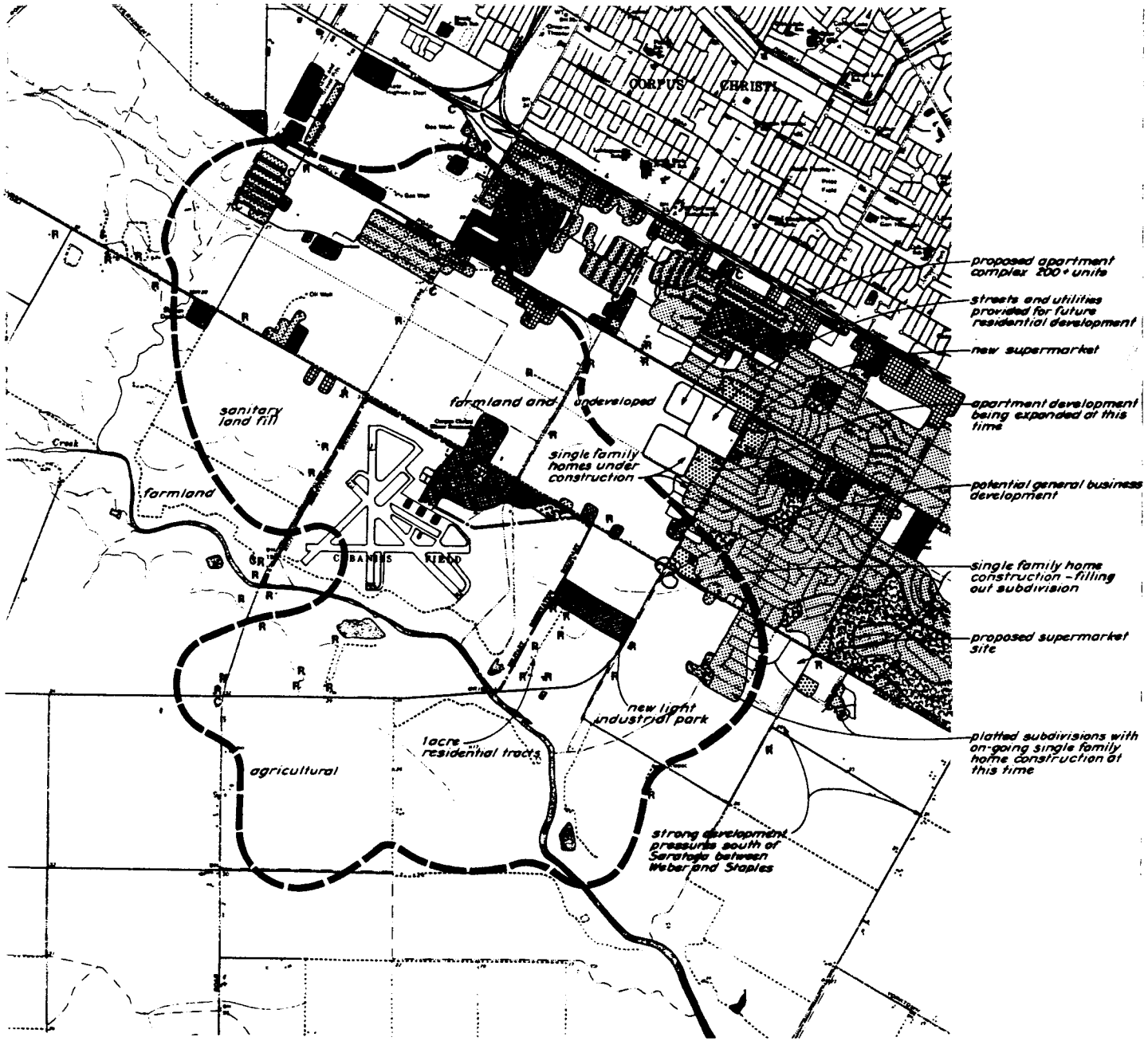
0 .5 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2



Legend

- (R) Single family residential
- Multi-family residential
- Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- Installation boundary
- Limit of AICUZ
- Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

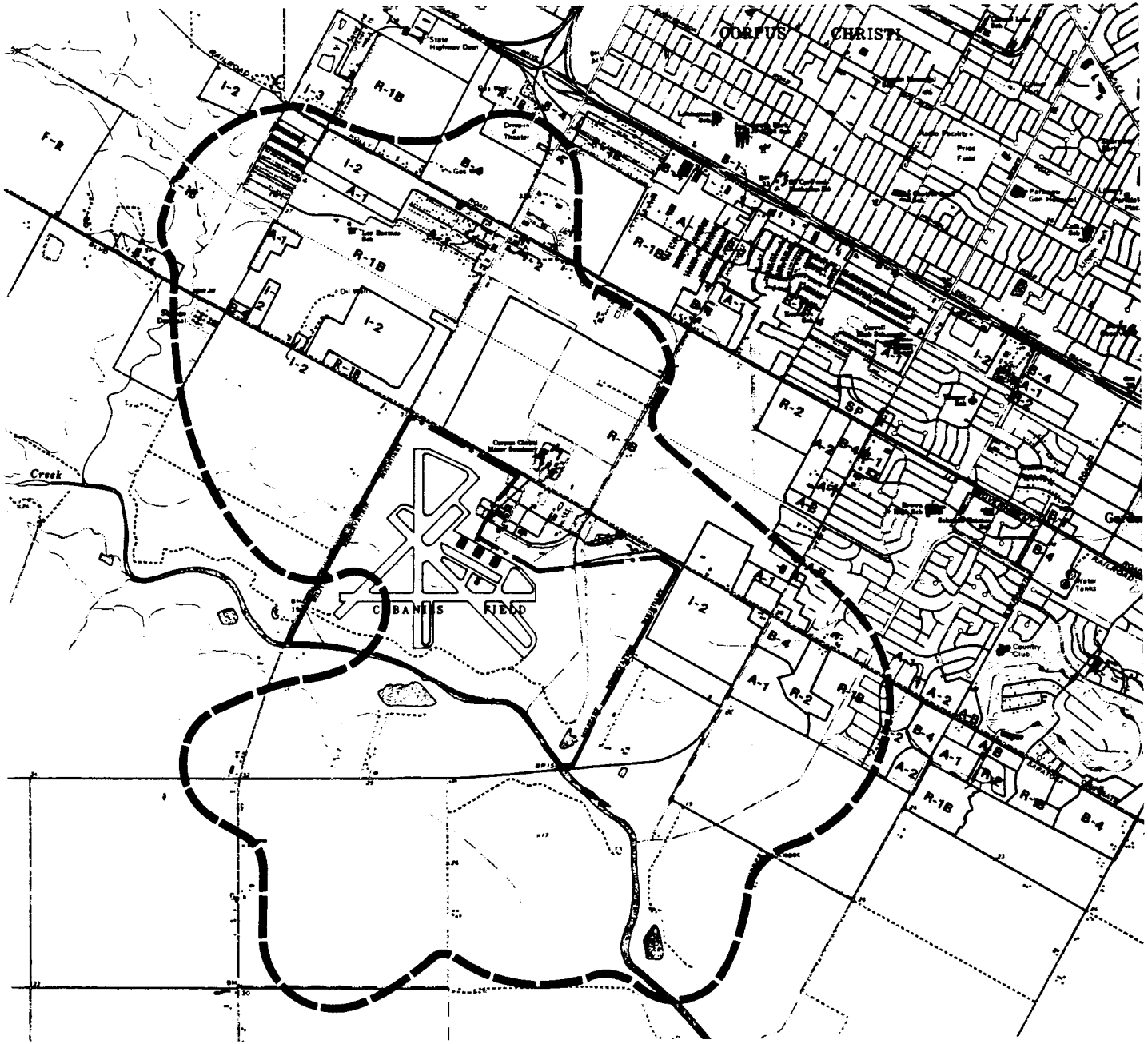
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Existing land use and development trends

Exhibit III.4



Legend

R-1B	One-family dwelling district
R-2	Multiple dwelling district
A-1	Apartment house district
AB	Professional office district
B-4	General business district
I-2	Light industrial district
SP	Special permit
—·—	Installation boundaries

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5

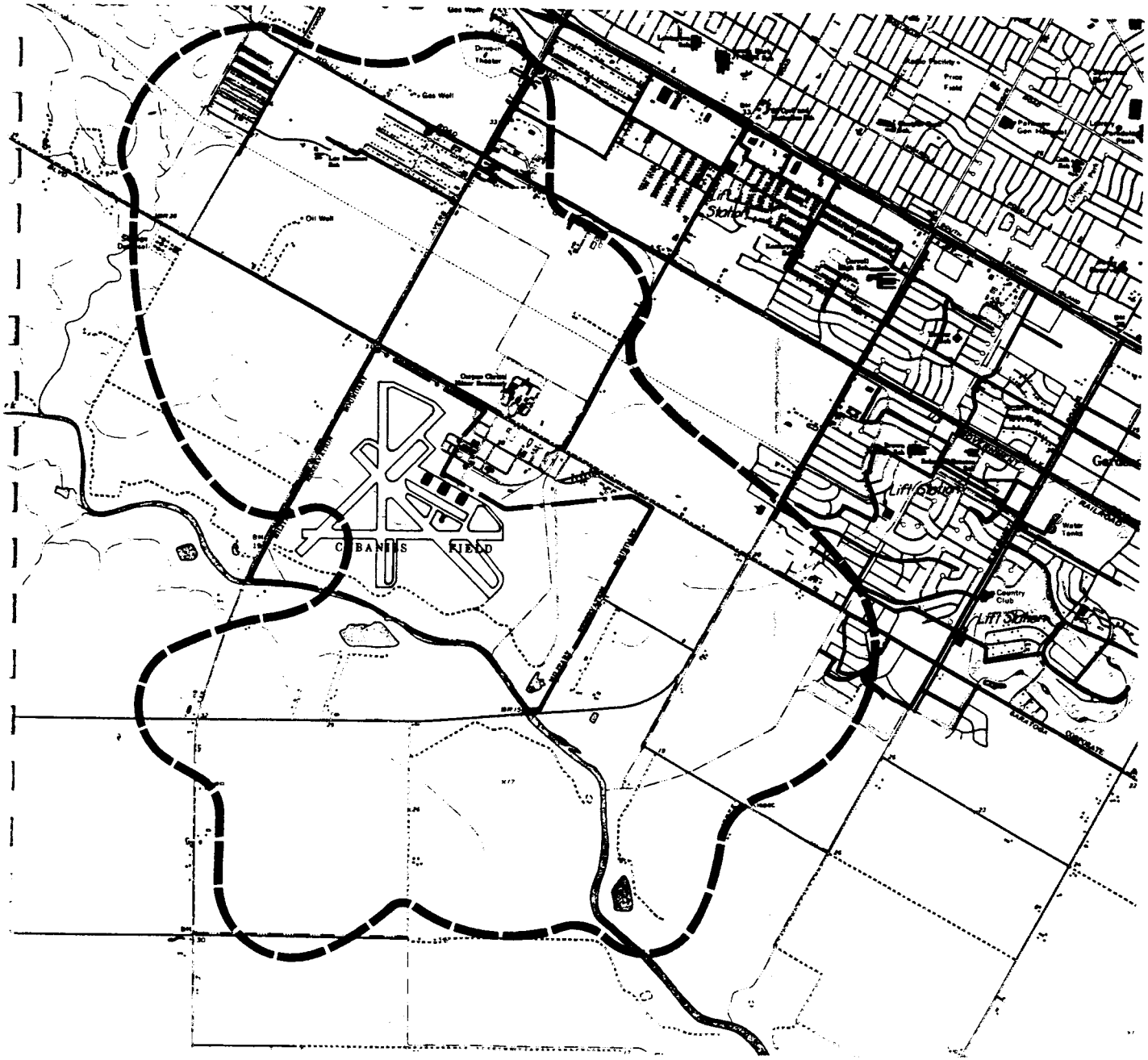
0 .25 .5 .75 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Existing zoning

Exhibit III.5



Legend

Existing water system

Existing sanitary sewer system

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5

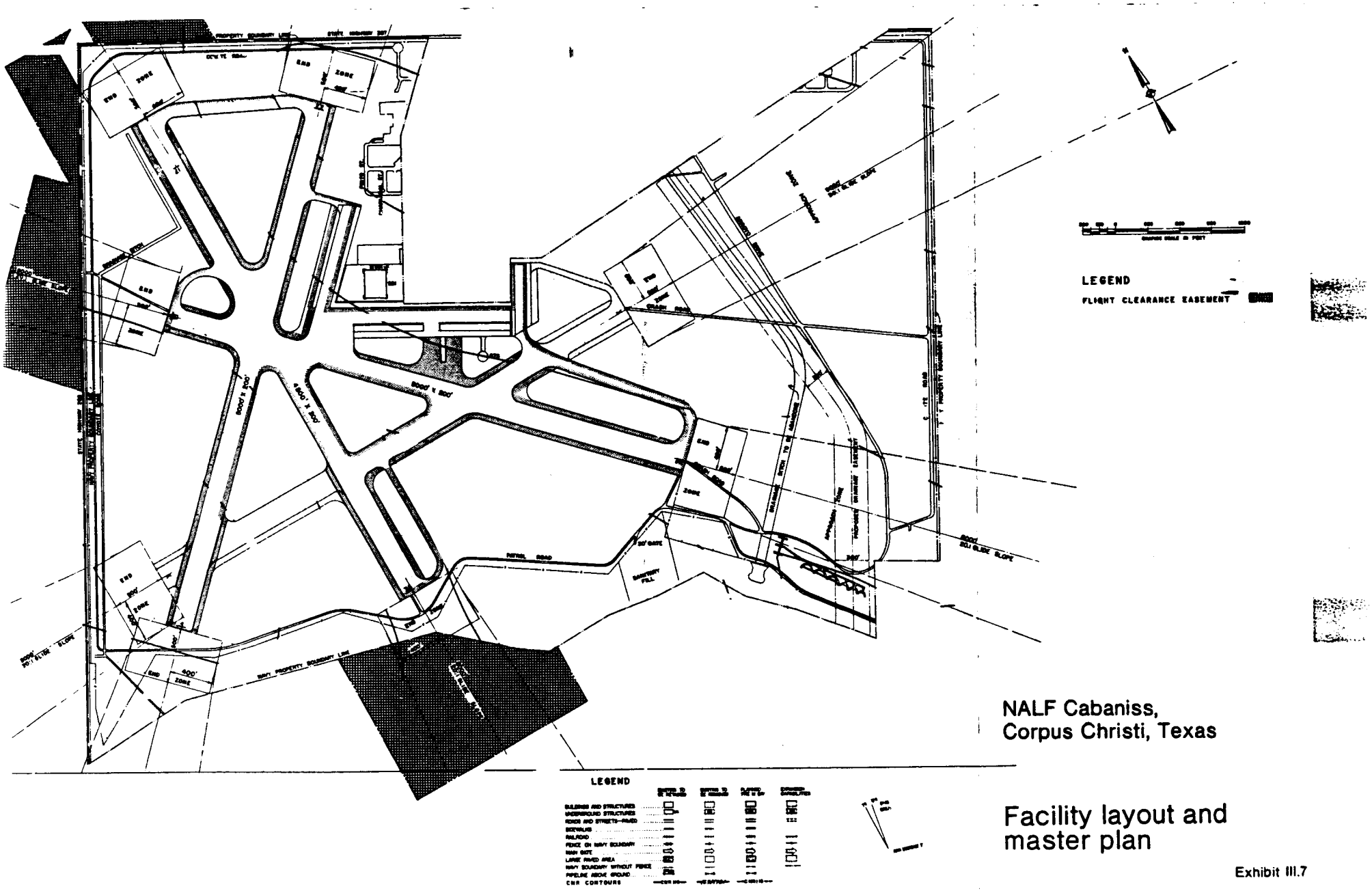
0 .25 .5 .75 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Water and sewer systems

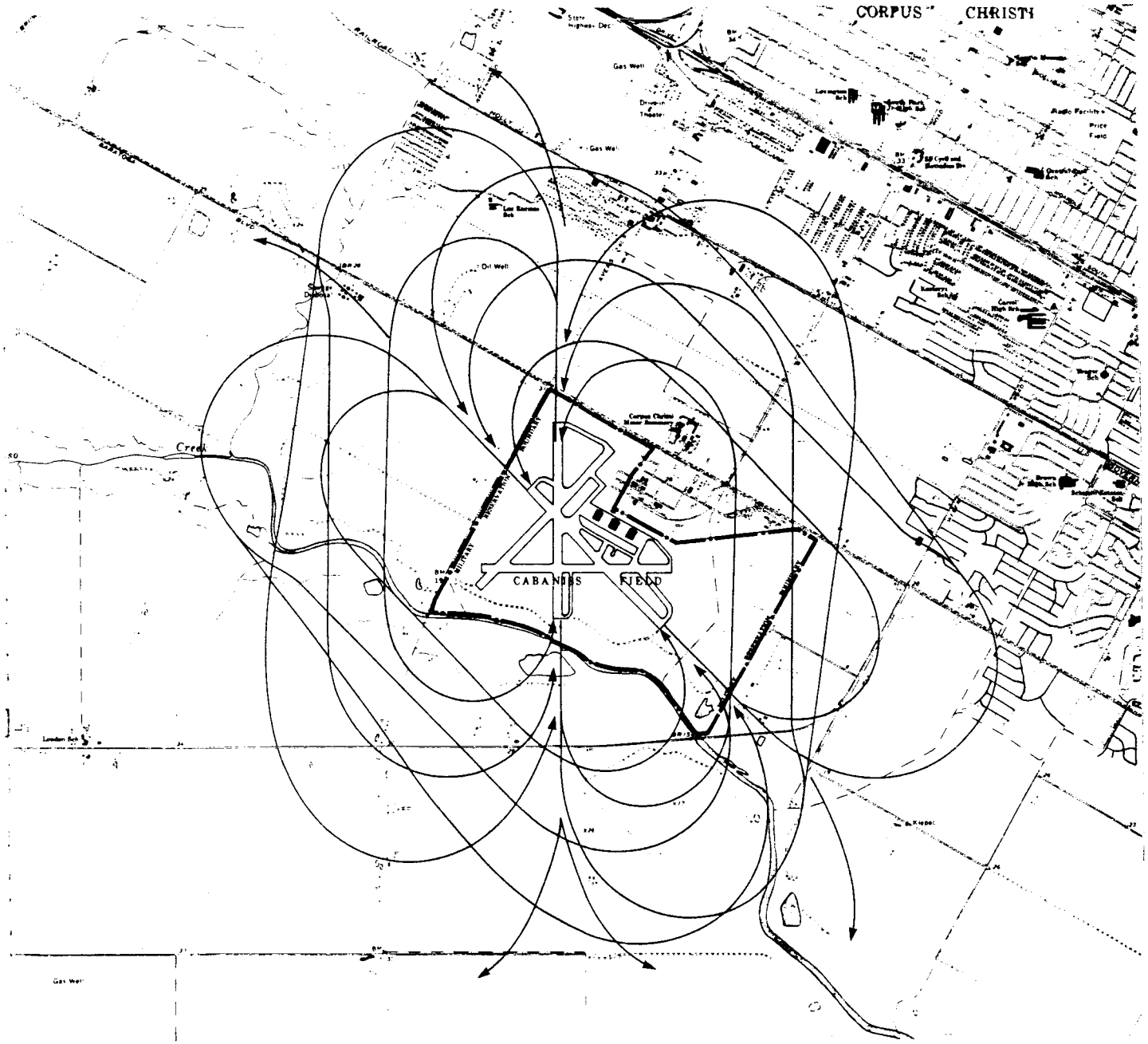
Exhibit III.6



NALF Cabaniss,
Corpus Christi, Texas

Facility layout and
master plan

Exhibit III.7



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6

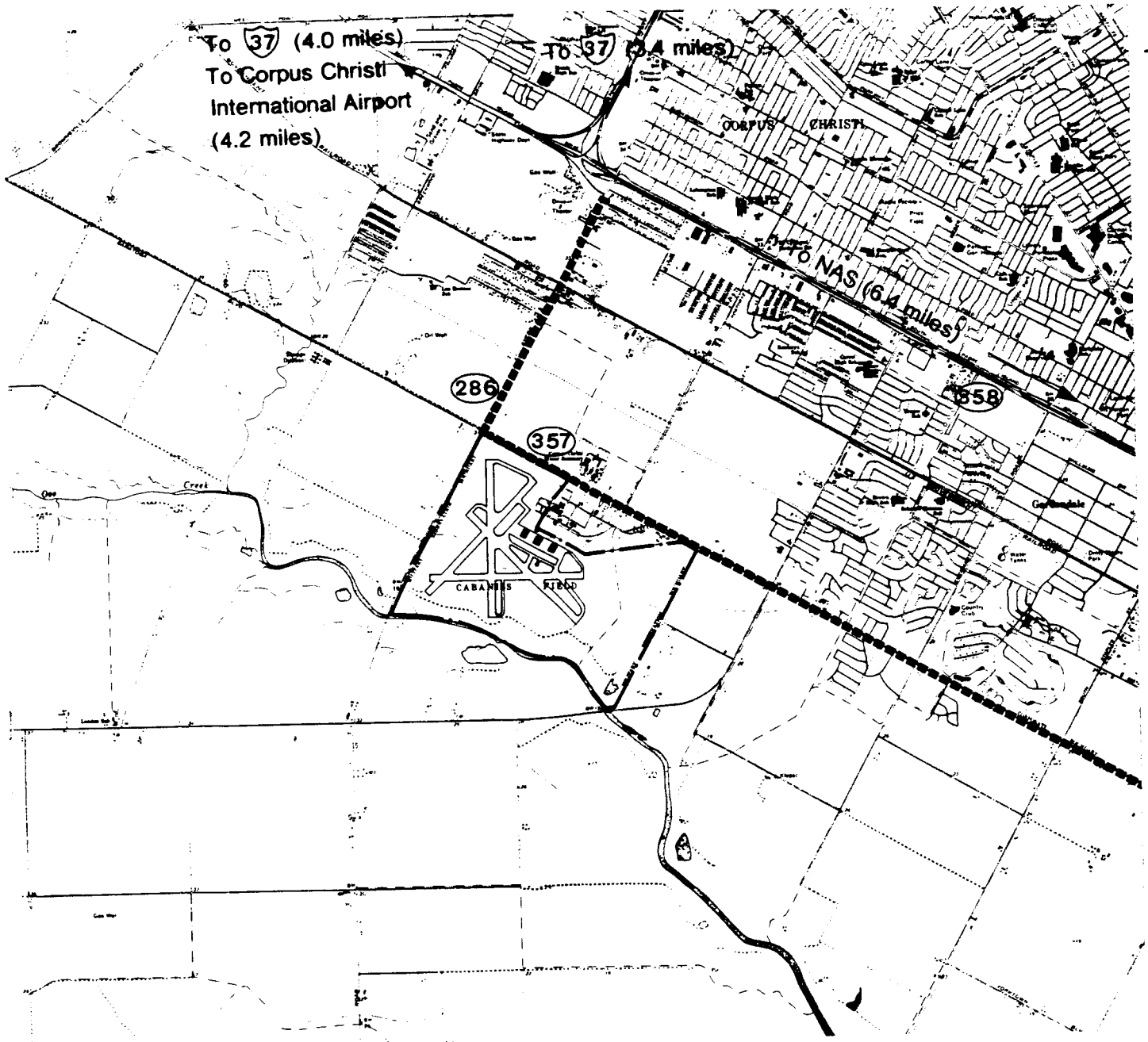
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Representative traffic patterns

Exhibit III.10



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

0 .5 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2

Legend

CNR ZONES

1 2 3

ACCIDENT POTENTIAL ZONES

C

B

A

Installation boundary

Limit of AICUZ

NORTH

Scale in statute miles

0 1/2 1

0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit I.3

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit I.2

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
●	Location of noise complaints
—·—	Installation boundary
— —	Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

CNR's and noise complaints, AICUZ

Exhibit I.1

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit I.5

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)	▨	▨	⁘		▨	⁘
Residential Mobile Homes (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (a/c) (≤1 unit/acre)	▨	▨			▨	⁘
Residential-Single family (a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (w/o a/c) (≤1unit/acre)	▨	▨	⁘		▨	⁘
Residential-Single family (w/o a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Multi-family (≤10% ground coverage)	▨	▨			▨	
Residential-Multi-family (>10% ground coverage)	▨	▨	⁘	⁘	▨	
Commercial - Resort	▨	▨	⁘	⁘	▨	⁘
Commercial - Retail	▨	⁘			⁘	
Commercial - Wholesale	▨	⁘			⁘	
Commercial - Office	▨	⁘			⁘	
† Institutional - Intensive (a/c)	▨	⁘	⁘	⁘	⁘	
† Institutional - Extensive (a/c)	▨	⁘			⁘	
† Institutional - Intensive (w/o a/c)	▨	▨	⁘	⁘	▨	⁘
† Institutional - Extensive (w/o a/c)	▨	▨	⁘		▨	⁘
Industrial - Service	▨					
Industrial - Manufacturing	▨					
Industrial - Extractive	▨					
Transportation/Utilities	▨					
Agricultural						
Recreational - Golf	▨					
Recreational - Sports Arena or Stadium	▨					
Recreational - Parks	▨	⁘			⁘	
Recreational - Water	▨	⁘			⁘	
Forests, Wildlife Habitats	▨					

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

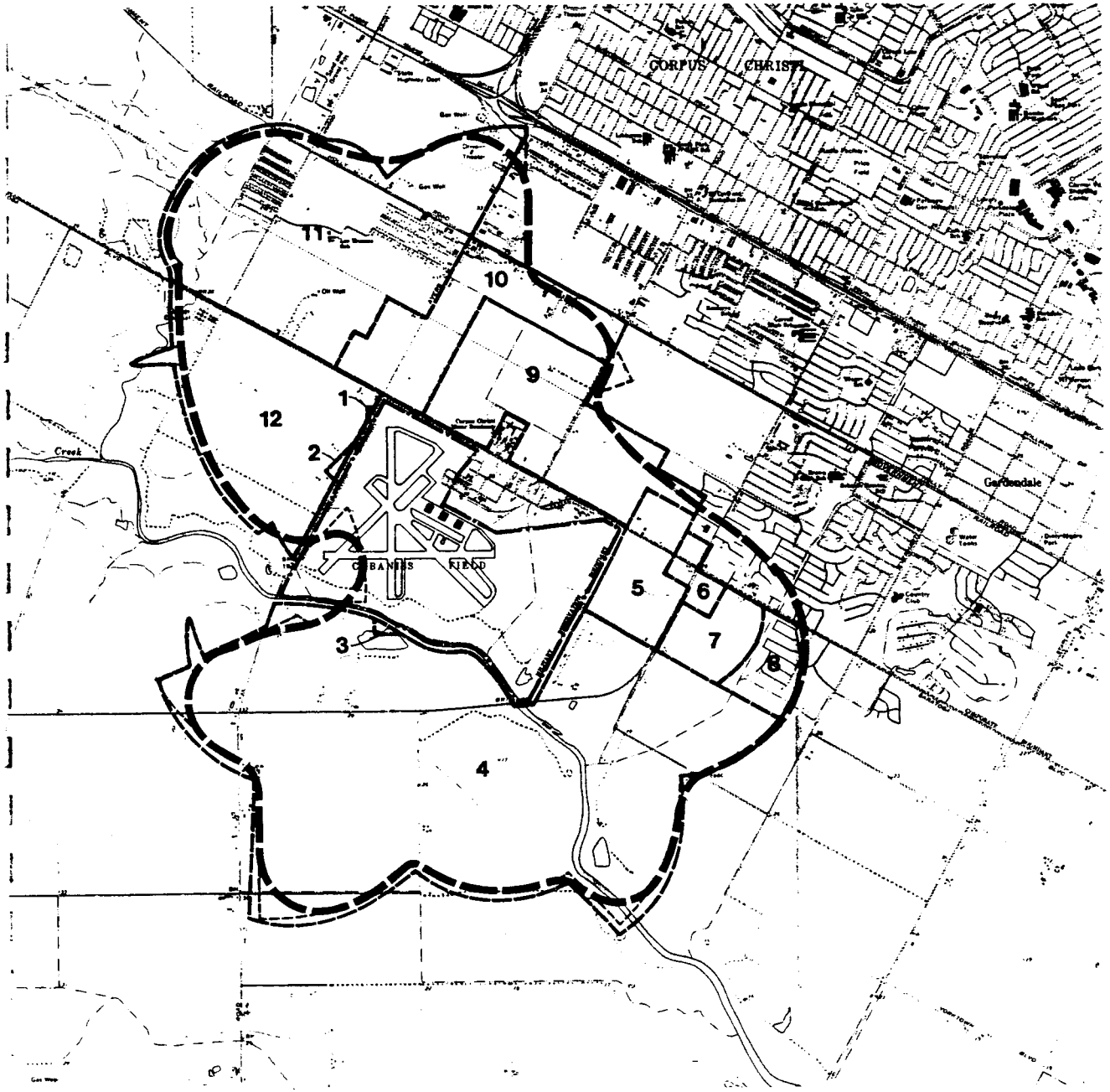
▨ No New Development

⁘ Restricted Development

☐ No Restrictions

Land use objectives

Exhibit I.4



Legend

Installation boundary

SPA boundary

Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Special planning areas,
AICUZ

Exhibit I.6

PA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
1	A	Agricultural		One owner	None known	No developed use	Agricultural	- Pass Airport Zoning Regulations for NALF Cabaniss to exclude obstructions within the extra hazard area (1000 feet from end of runway)
2	A	Agricultural		Two owners principally	None known	No developed use	Agricultural	Same as above
3	A	Agricultural		One owner	None known	No developed use	Agricultural	- Same as above
4	C-3, C-2, C-1, 2	Agricultural use		Multiple	None known	Agricultural	Agricultural	- Zone newly annexed territory as F-R, farm-rural - For comprehensive planning occuring for this area, appropriate low density residential or non-residential uses should be designated
5	C-1, 2	Light industrial park, agricultural use	I-2	Two owners principally	Industrial expansion	Industrial use	Industrial use	- Designate compatible industrial use in comprehensive plan
6	1	Vacant, in agricultural use	B-4, A-1	Multiple	Strong pressures for commercial development at intersection	Commercial use	Commercial use	- Designate compatible commercial use in comprehensive plan
7	2 & 1	Vacant, undeveloped	R-2, A-1	One owner/ developer	Anticipated multi-family development	Multifamily development	Multifamily development	- Designate compatible multifamily use in comprehensive plan Amend building code to include sound attenuation requirements Require disclosure statements for plats in high noise exposure areas

NALF Cabaniss
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit I.7

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
8	2	Single family subdivision, limited undeveloped areas	R-1B	Multiple	Infilling of subdivision expected	Single family with air conditioning	Single family with air conditioning	- Designate compatible single family use in comprehensive plan - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in CNR-3 and CNR-2.
9	C-2, C-1, 2, 1	Scattered rural residences agricultural use	R-1B	Multiple	Limited pressures for development given unavailable sewer service	Agricultural	Agricultural	- Designate compatible agricultural use in comprehensive plan - Rezoning from R-1B to R-E to ensure low density single family development - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in high noise exposure areas.
10	C-3, C-2, C-1	Industrial development; scattered rural residences	I-2, R-1B	Multiple	Strong pressures for development at intersection of Ayers and Saratoga	Industrial	Industrial	- Designate compatible industrial use in comprehensive plan - Rezoning R-1B to I-2
11	C-2, C-1, 2	Single family subdivision scattered rural residences, Agricultural use	R-1B, I-2, A-1	Multiple	None known	Agricultural Industrial Commercial	Agricultural Industrial Commercial	- Designate compatible agricultural, industrial and commercial uses in comprehensive plan - Rezoning from R-1B to R-E to ensure low density single family development with noise zone disclosure required - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in high noise exposure areas
12	C-3, C-2, C-1, 2	Sanitary land fill, scattered rural residences		Multiple	None known	Agricultural	Agricultural	- Zone newly annexed territory for F-R farm-rural - For comprehensive planning occurring for this area, appropriate low density residential or non-residential uses should be designated.

NALF Cabaniss
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit I.7

Note	All development activities in the vicinity of NAS Lubaniss should additional be subjected to the following: - Discretionary location of community facilities, especially schools, - Capital improvements programming sensitive to AICUZ compatible development near installation, - Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ program and to monitor development, - Awareness of noise exposure as a factor in conventional mortgage review by local lending institutions.							

Land use control plan for special planning areas, AICUZ

Exhibit I.7

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
	Location of noise complaints
	Installation boundary
	Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

CNR's and noise complaints, AICUZ

Exhibit IV.1

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit IV.3

Legend

CNR ZONES

1 2 3

ACCIDENT POTENTIAL ZONES

C

B

A

Installation boundary

Limit of AICUZ

NORTH

Scale in statute miles

0 1/2 1

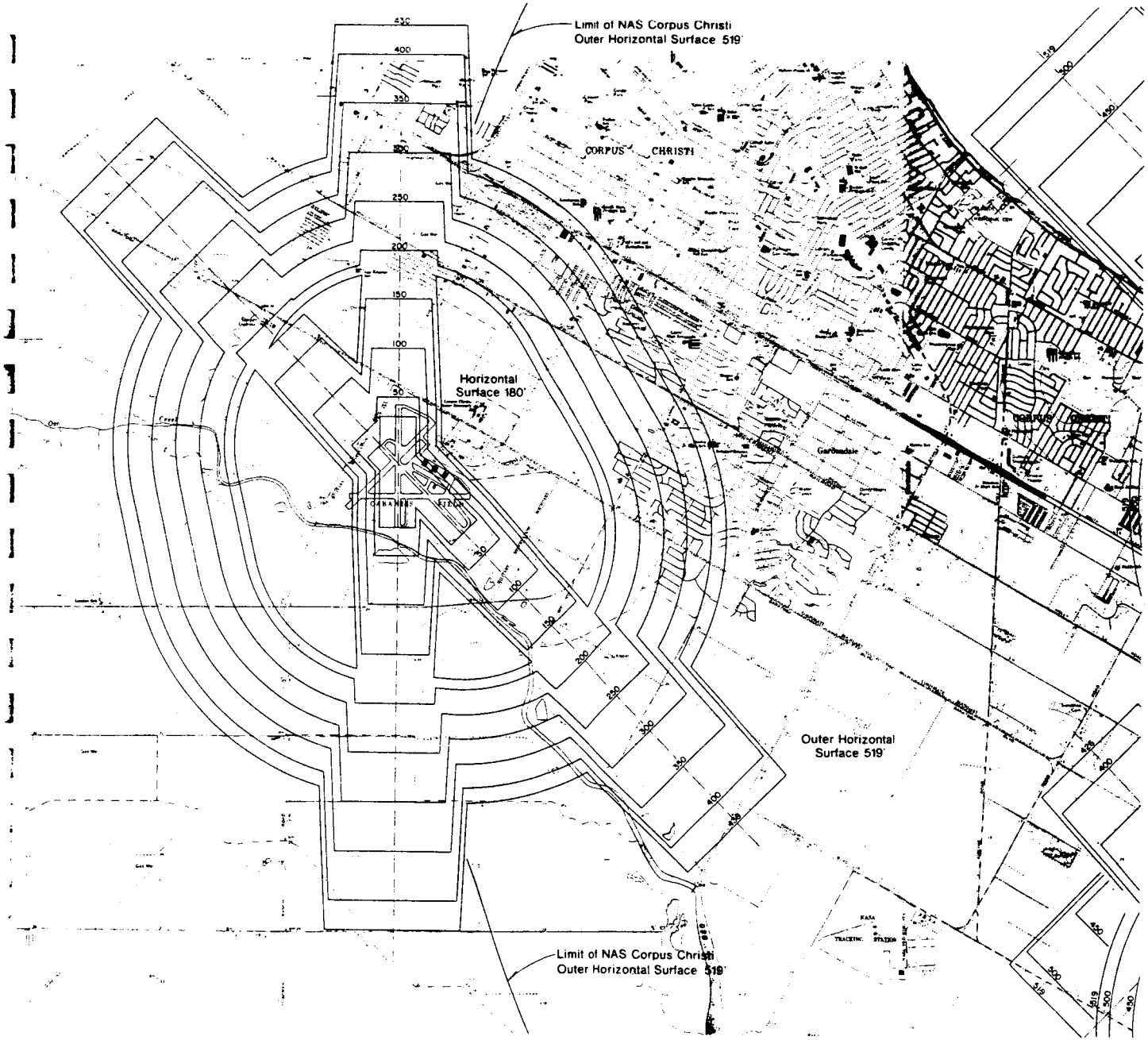
0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit IV.5



HOWARD NEEDLES TAMMEN & BERGENDOFF

NALF Cabaniss,
Corpus Christi, Texas

Imaginary surfaces

Exhibit IV.7

Legend

- (R) Single family residential
- Multi-family residential
- Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- Incompatible use
- Limit of composite zones
- Limit of AICUZ
- Installation boundary
- ▲ Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Incompatible land use, AICUZ

Exhibit V.2

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)	▨	▨	⁘		▨	⁘
Residential Mobile Homes (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (a/c) (≤1 unit/acre)	▨	▨			▨	⁘
Residential-Single family (a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (w/o a/c) (≤1unit/acre)	▨	▨	⁘		▨	⁘
Residential-Single family (w/o a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Multi-family (≤10% ground coverage)	▨	▨			▨	
Residential-Multi-family (>10% ground coverage)	▨	▨	⁘	⁘	▨	
Commercial - Resort	▨	▨	⁘	⁘	▨	⁘
Commercial - Retail	▨	⁘			⁘	
Commercial - Wholesale	▨	⁘			⁘	
Commercial - Office	▨	⁘			⁘	
† Institutional - Intensive (a/c)	▨	⁘	⁘	⁘	⁘	
† Institutional - Extensive (a/c)	▨	⁘			⁘	
† Institutional - Intensive (w/o a/c)	▨	▨	⁘	⁘	▨	⁘
† Institutional - Extensive (w/o a/c)	▨	▨	⁘		▨	⁘
Industrial - Service	▨					
Industrial - Manufacturing	▨					
Industrial - Extractive	▨					
Transportation/Utilities	▨					
Agricultural						
Recreational - Golf	▨					
Recreational - Sports Arena or Stadium	▨					
Recreational - Parks	▨	⁘			⁘	
Recreational - Water	▨	⁘			⁘	
Forests, Wildlife Habitats	▨					

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

▨ No New Development

⁘ Restricted Development

☐ No Restrictions

Land use objectives

Exhibit V.1

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

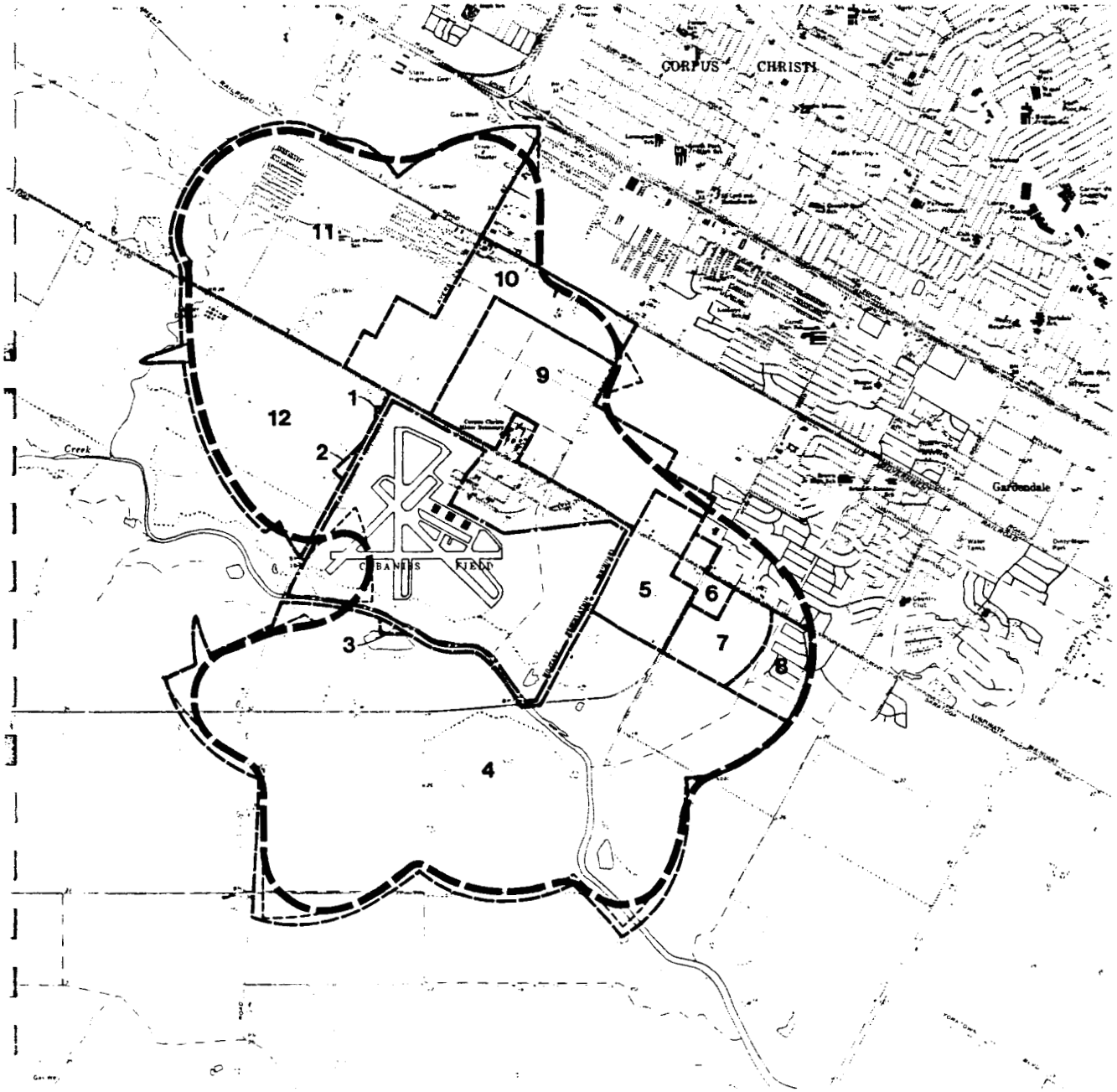
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit V.4



Legend

- Installation boundary
- SPA boundary
- Limit of AICUZ

NORTH

Scale in feet
0 2000 4000 6000
0 1/2 1 2
Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit V.5

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	1. RESIDENTIAL									
112	Single Family			1,2	2		1,2	2		1
113	Two-Four Family			1,2	2		1,2	2		1
114	Multi-Family Apts.			1,2	2		1,2	2		1
12	Group Quarters			1,2	2		1,2	2		1
13	Residential Hotels			1,2	2		1,2	2		1
14	Mobile Home Parks or Courts			1,2	2		1,2	2		1
15	Transient Lodging			1,2	2	1,2	1,2	2	1	1
	2 and 3. MANUFACTURING									
21	Food & Kindred Products		3,4	4	4	3			3	
22	Textile Mill Products		3,4	4	4	3			3	
23	Apparel & Similar Products		3,4	4	4	3			3	
24	Lumber & Wood Products		3,4	4	4	3			3	
25	Furniture & Fixtures		3,4	4	4	3			3	
26	Paper & Allied Products		3,4	4	4	3			3	
27	Printing & Publishing		3,4	4	4	3			3	
28	Chemicals & Allied Products		3,4	4	4	3			3	
29	Petroleum Refining & Related Industries								3	
31	Rubber & Plastic Products		3,4	4	4	3			3	
32	Stone, Clay, & Glass		3,4	4	4	3			3	
33	Primary Metal Industries		3,4	4	4	3			3	
34	Fabricated Metal Products		3,4	4	4	3			3	
35	Professional & Scientific Instruments		3,4	4	4	3	3		3	3

1-4: See notes on pages following this chart

No New Development

Restricted New Development

No Restrictions

Land use objectives amplified

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	4. TRANSPORTATION, COMMUNICATION & UTILITIES									
41	R.R.,and Rail Transportation									
42	Motor Vehicle Transportation									
44	Marine Craft Transportation									
45	Hwy. & St. Right Of Way									
46	Automobile Parking									
47	Communications		3	3		3	3		3	3
48	Utilities	7								
	5. TRADE									
51	Wholesale Trade		4	4	4					
52	Retail Trade-Bldg. Materials, Hdw. & Farm Eqt		4	4	4	3			3	
53	Retail Trade-Gen. Mdse.		3,4	3,4	4	3			3	
54	Retail Trade - Food		3,4	3,4	4	3			3	
55	Retail Trade-Automotive Marine Craft, Aircraft		3,4	3,4	4	3			3	
56	Retail Trade-Apparel & Accessories		3,4	3,4	4	3			3	
57	Retail Trade-Furniture, Home Furnishings, & Equip.		3,4	3,4	4	3			3	
58	Retail Trade-Eating & Drinking					3			3	
	6. SERVICES									
61	Finance, Insurance, & Real Estate Services		4,8	4	4	8			8	
62	Personal Services		4,8	4	4	8			8	
63	Business Services		4,8	4	4	8			8	
64	Repair Services		3,4	4	4	3			3	
651	Medical & Health Services			4	4		8		8	
652-9	Professional Services		4,8	4	4	8			8	
66	Contract Construction Services									
671	Government Offices		4,8	4	4	8			8	

3-8: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
674	Correctional Institutions			1,2	2		1,2	2		1
675	Military Installations		9	9	9	9	9	9	9	9
68	Educational Services					4	4	4		8
691	Religious Activities		4,8	4	4	8			8	
	7. CULTURAL ENTERTAINMENT AND RECREATION									
711	Cultural Activities			4,8	4		8			8
712	Nature Exhibits		10	10	10	10	10		10	10
721	Entertainment Assembly						11	11		11
722	Sports Assembly					11	11	11	11	11
723	Public Assembly (Auditoriums)			4,8	4		8			8
73	Amusements (Outdoor)									
741	Sports Activities									
743-4	Water Based Activities									
75	Resorts & Group Camps									
761	Playgrounds & Neighborhood Parks		12	12	12	12			12	
762-4	Community Parks		12	12	12	12			12	
	8. RESOURCE PRODUCTION AND EXTRACTION									
81	Agricultural Except Livestock									
815-17	Livestock Farming, Animal Breeding		13			13			13	
82	Agricultural Related Activities									
83	Forestry Activities & Related Services									
84	Fishing Activities & Related Services									
85	Mining Activities & Related Services									
	9. UNDEVELOPED LAND AND WATER AREAS									
91	Undeveloped, Unused Land, Excluding Non-Commercial Forests									
92	Non-Commercial Forests									
93	Water Areas									

1-13: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

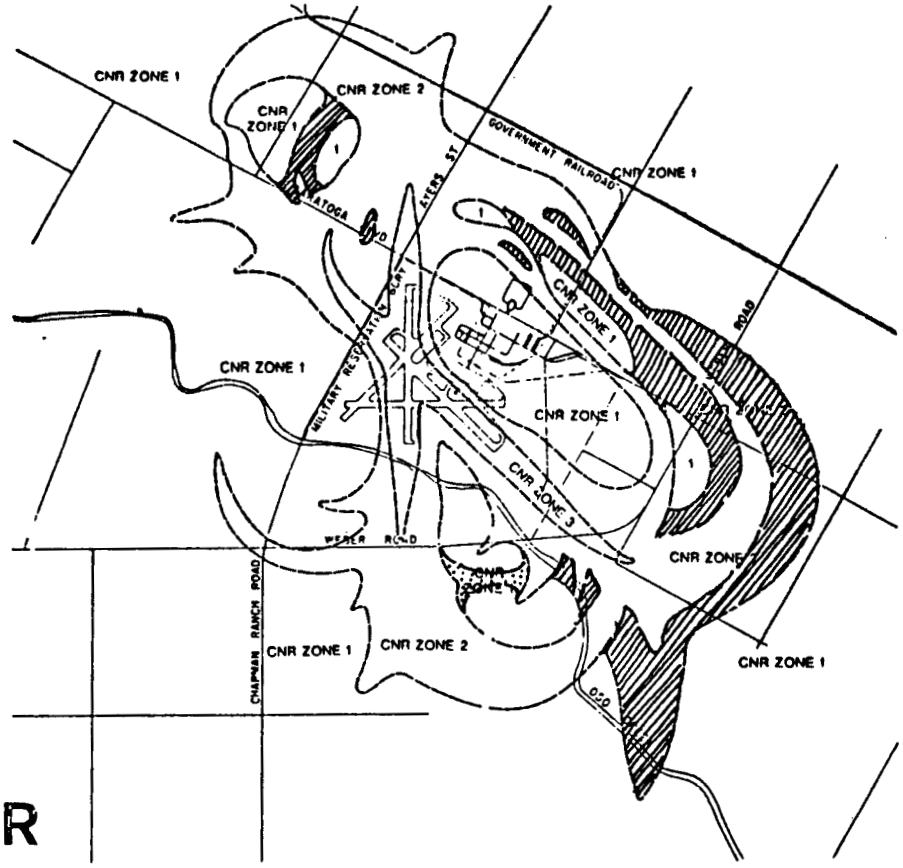
Land use objectives amplified (continued)

Exhibit G.1

Station: NALF Cabaniss

Operational Change Description: Establish Runway 17 as the noise abatement runway with an allowable cross wind component suitable for trainee pilots: establish a system to monitor the use of this runway.

Factor	Evaluation
Changes in CNR Zones	CNR-3 toward Weber Road contracts by approximately 50 acres of farmland and removes 2 farm rural residences from the most intense noise zone. The major improvement occurs east of Weber where the apartment complex at Weber and Saratoga and about 150 single family homes and townhouses are removed from CNR-2. The 40 single family homes in the Schanen Estates development west of Weber are similarly improved. One church and the Fred B. Sanders school are now excluded from CNR-2. North and east of the field the CNR-2 contour decreases by about 500 acres of farmland.
Changes in APZ Zones.	No significant change.
Operational Difficulty of Implementation	None known - at 10 knots crosswind the change would increase utilization at R/W 17 from 20 to 30% and reduce R/W 13 from 52 to 42% without difficulty.
Operational Costs of Implementation	None
Summary and Decision	Implement. There are no costs and few difficulties involved in implementing this change. Substantial community benefit is achieved by the reduction in CNR-3 and CNR-2.



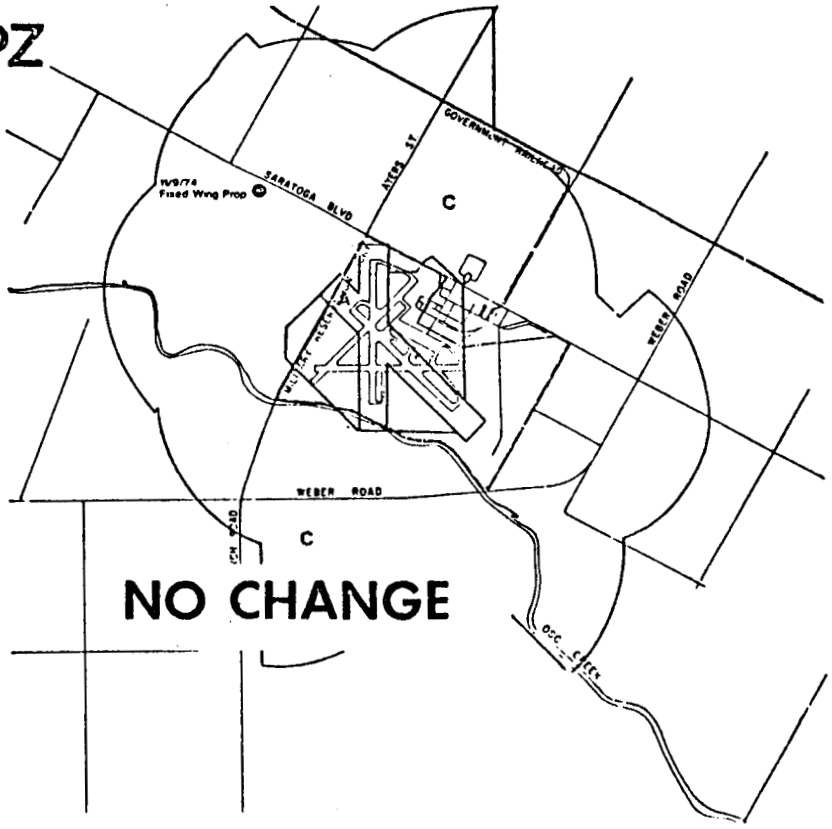
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

APZ

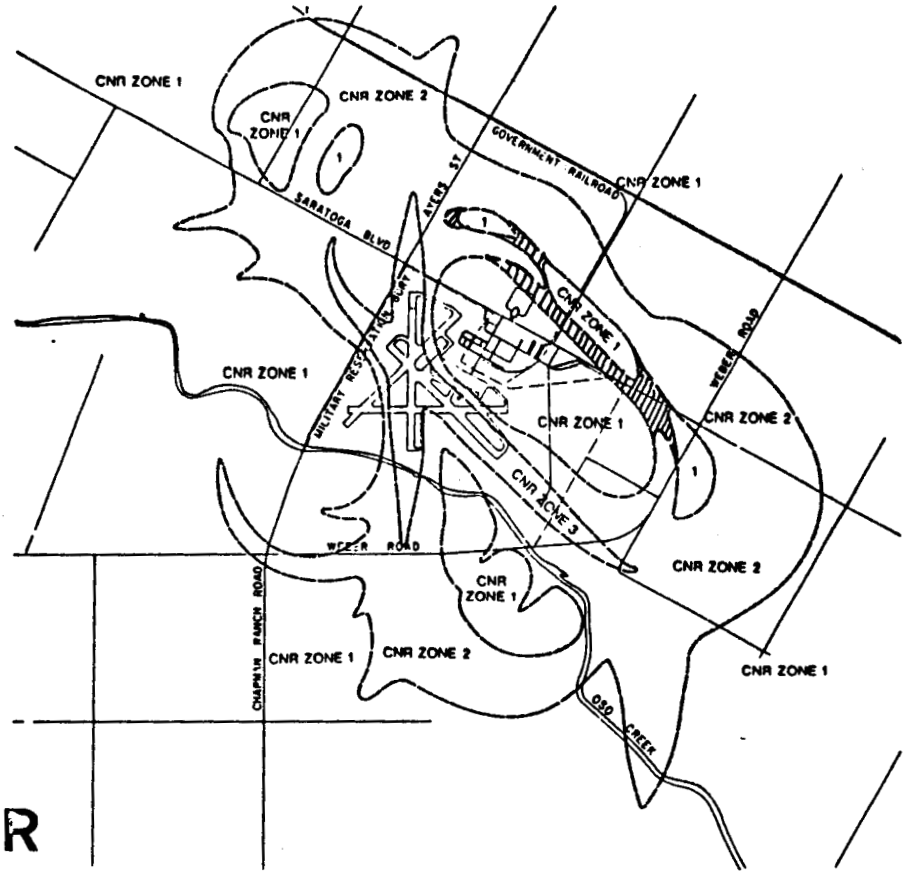


NO CHANGE

Station: NALF Cabaniss

Operational Change Description: Raise the pattern altitude to 600 feet AGL.

Factor	Evaluation
Changes in CNR Zones	Minor change: CNR-2 coverage diminishes by approximately 75 acres and improves the noise environment for one church and the Minor Seminary. The major area of conflict is not diminished at all.
Changes in APZ Zones	Significant improvement; APZ C shrinks substantially, but the area of development and strong continuing developer interest now lies outside APZ C.
Operational Difficulty of Implementing	The 600 ft. AGL altitude is standard with the fleet. No difficulty in implementation.
Operational Costs of Implementing	$6600 per annum. Additional flying time in climb and descent for each go-around.
Summary and Decision.	Implement. Major decreases in the extent of APZ "C." This change entails some operational difficulty to implement but results in only small additional annual costs of $6,600.



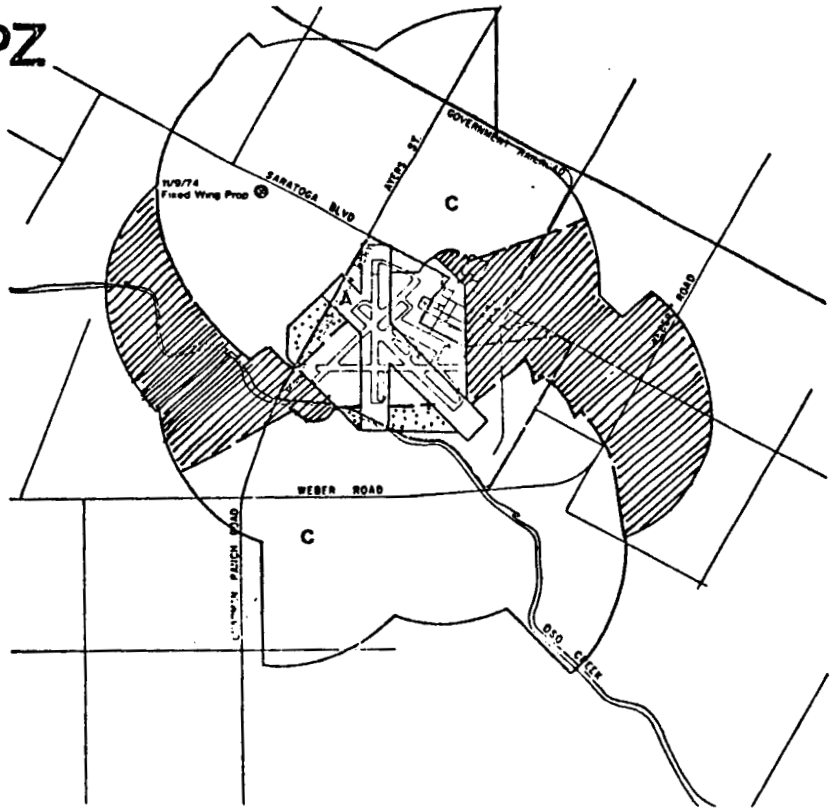
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

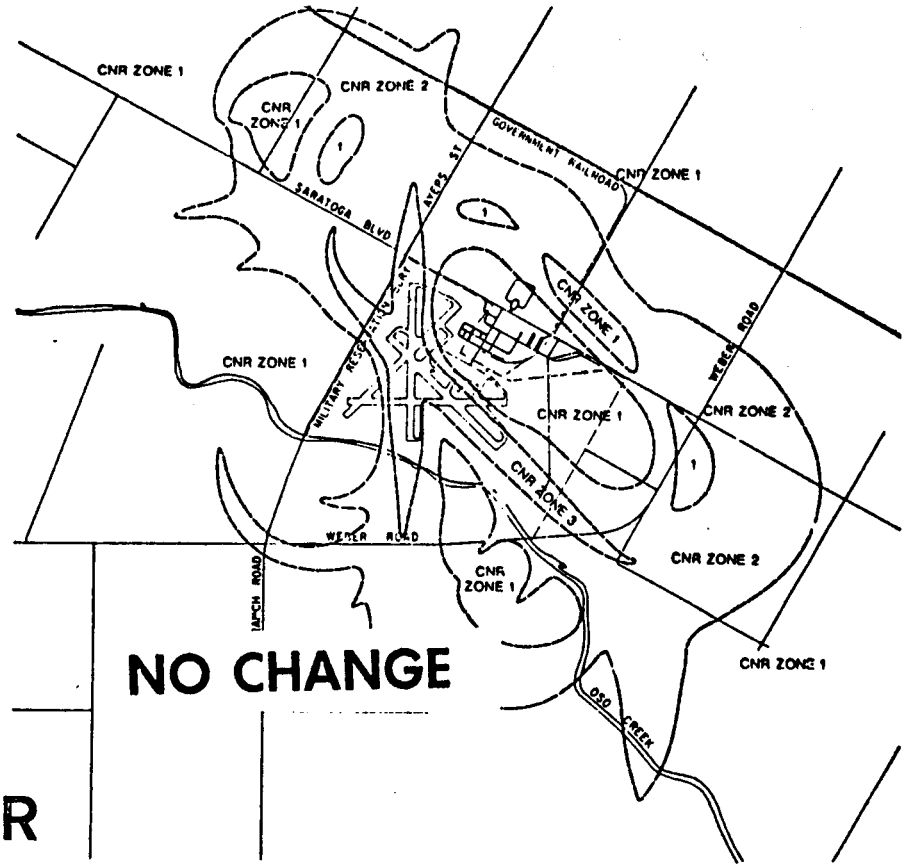
APZ



Station: NALF Cabaniss

Operational Change Description: Use Cabaniss at weekends only when this is operationally essential. Transfer these operations to NAS Corpus Christi.

Factor	Evaluation
Changes in CNR Zones	Insignificant. One secondary effect of moving weekend operations could be a reduced appreciation of the actual noise environment by prospective residents of the Cabaniss vicinity. Most of the real-estate sales and rental activity takes place at weekends when, under normal conditions, the level of air activity is low. The public would be more aware of the presence or absence of weekend operations than the shift in CNR Zones would indicate.
Changes in APZ Zones	None
Changes in community implementation actions	None
Operational difficulty of implementation	The procedure is already official policy. Weekend flying at Cabaniss occurs approximately one weekend in six when weather or other factors necessitate. Recheduling at NAS should present no problems.
Operational costs of implementation	Savings of $1,300 per annum
Summary and Decision	Implement State the procedure more positively in the operations manual as official policy.



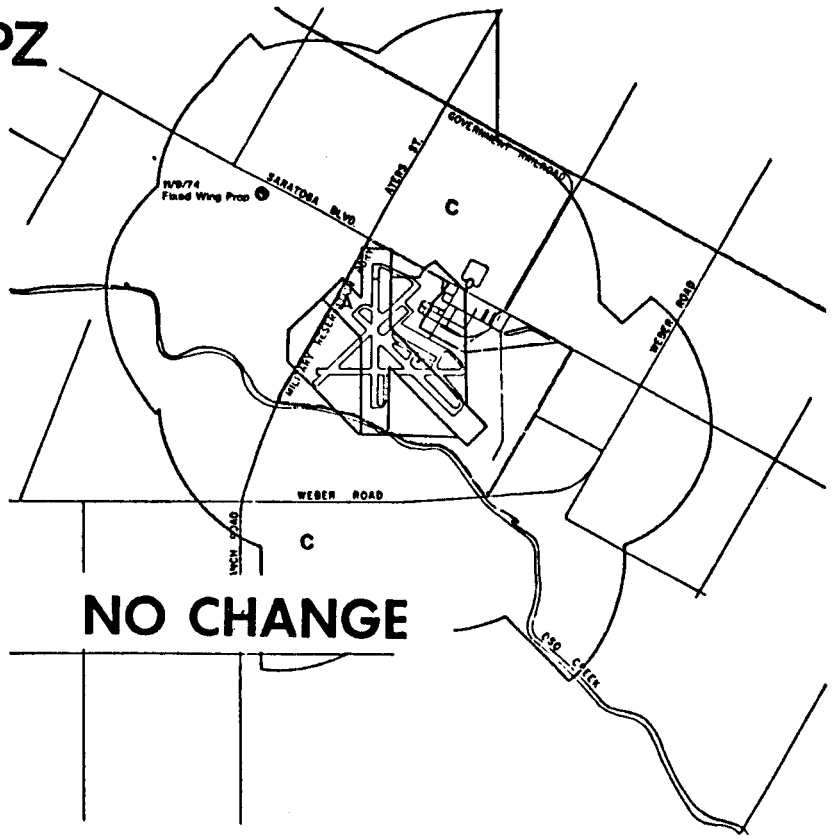
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

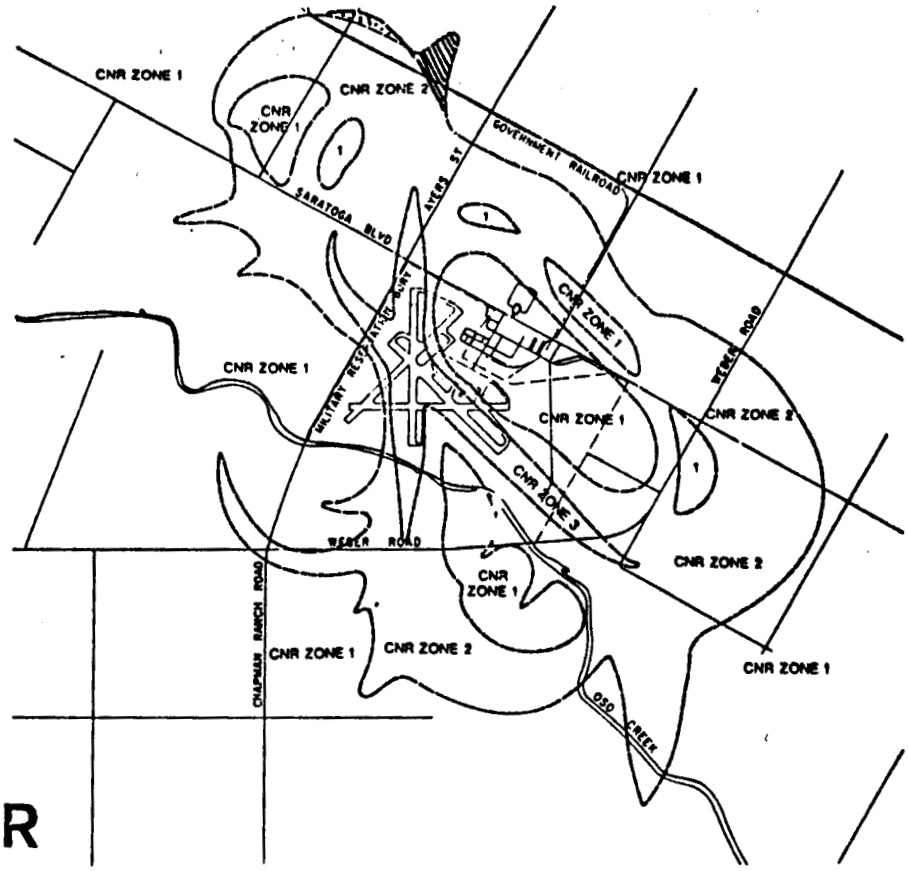
APZ



Station: NALF Cabaniss

Operational Change Description: Establish departure patterns to south and west with a climb to 2000' before returning to NAS Corpus Christi.

Factor	Evaluation
Changes in CNR Zones	Marginal improvement in CNR 2 exposure just west of Ayers -- removes five or six single family homes from CNR 2 contour. Industrial land uses would also lie outside contour.
Changes in APZ Zones	No significant effect.
Operational difficulty of implementing	None
Operational costs of implementing	$28,000 per annum. Additional flying time in climb, transit, and descent between Cabaniss and NAS.
Summary and Decision	Implement Make the change a formal part of operational procedure.



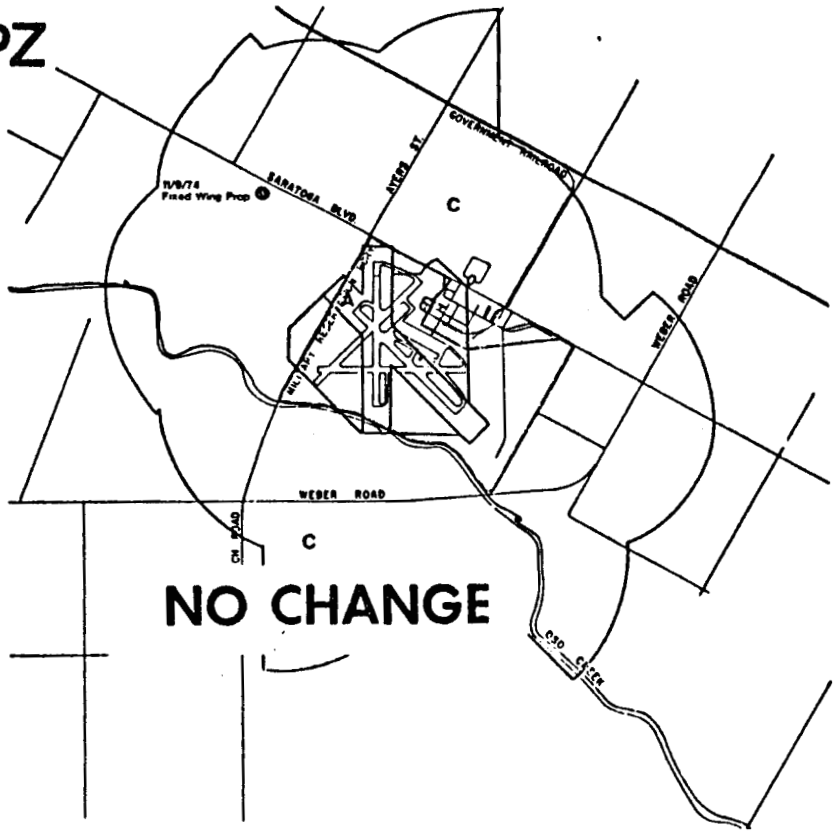
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

APZ



NO CHANGE

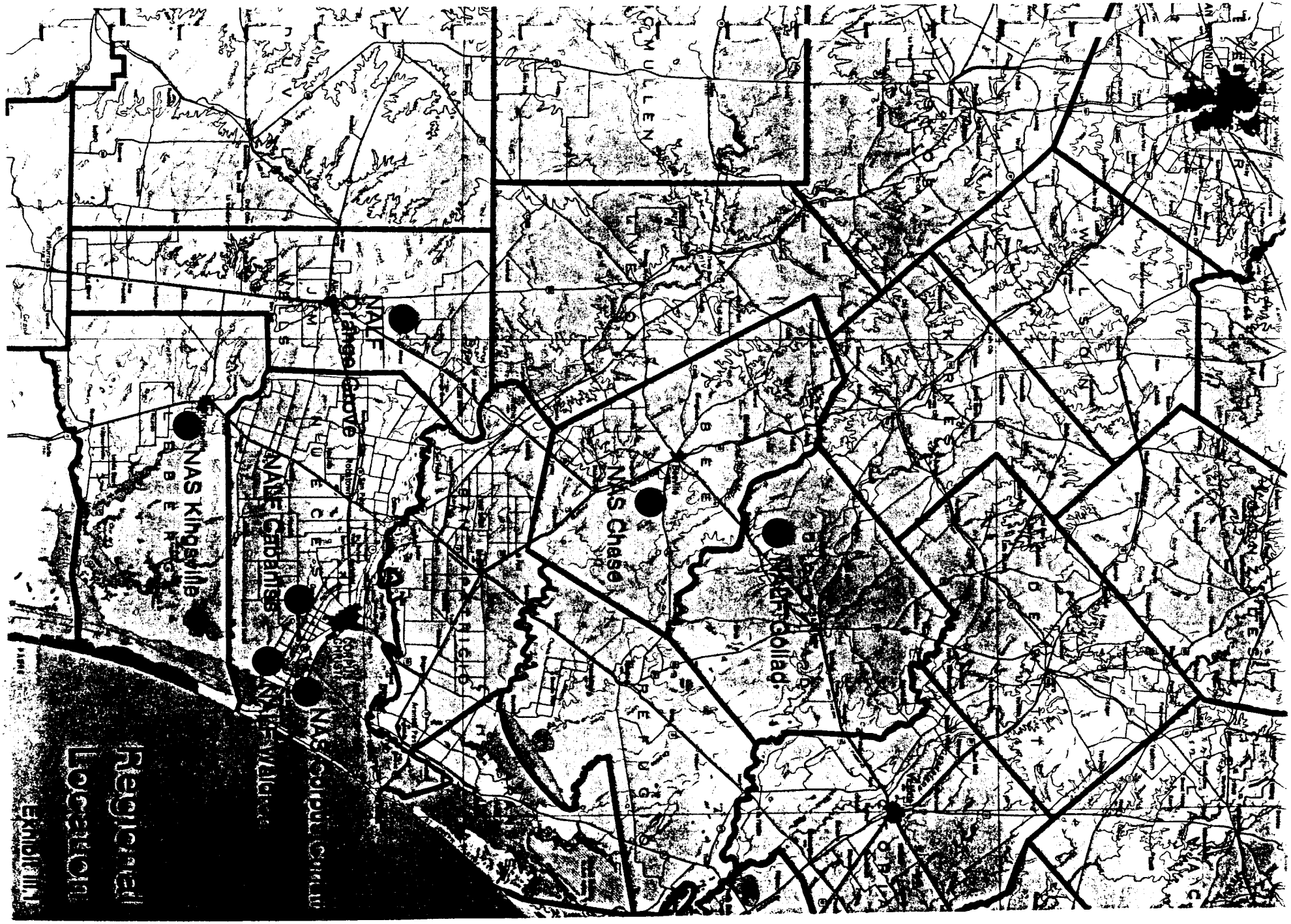
AICUZ

Air Installation Compatible Use Zones

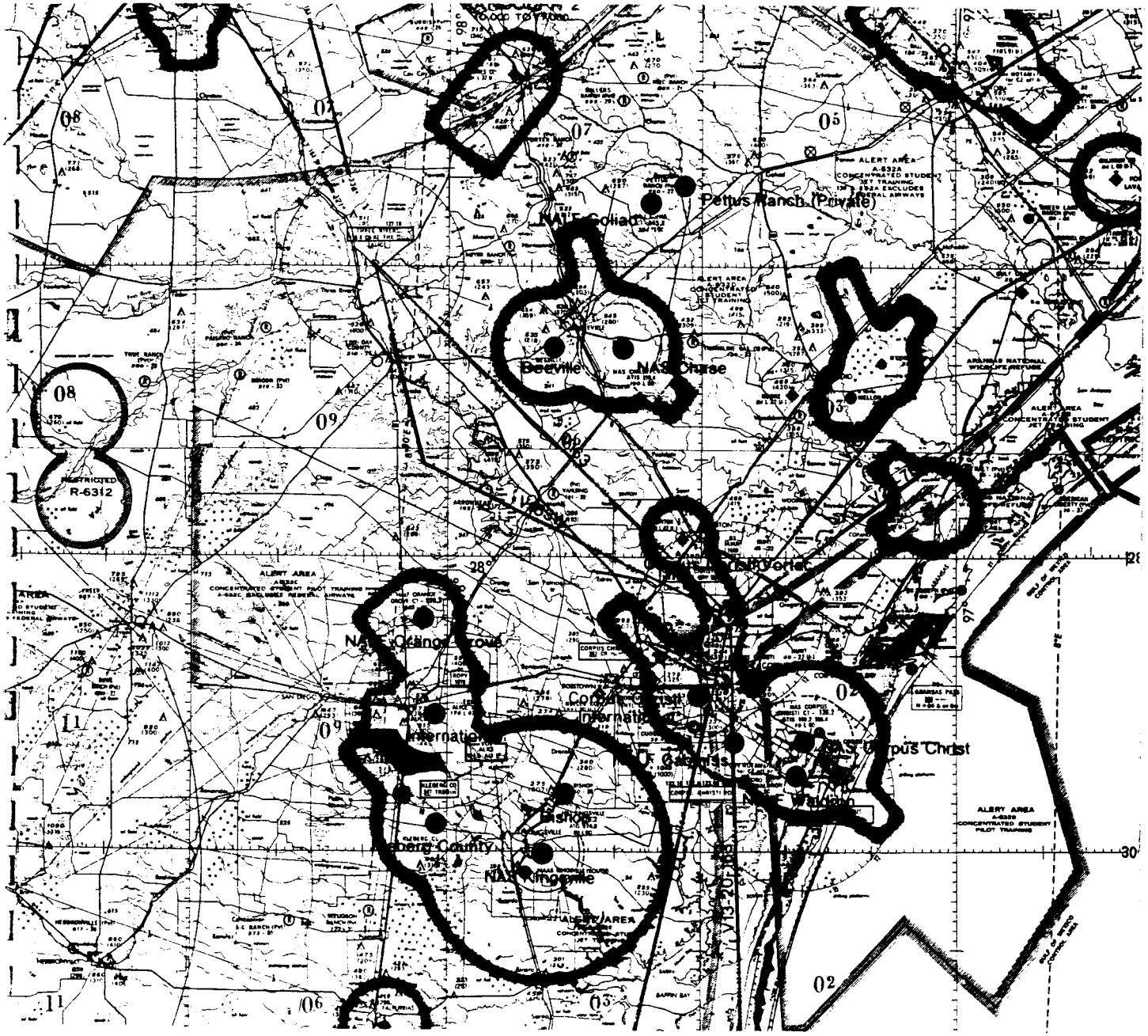
NALF Waldron
Corpus Christi, Texas

Southern Division - Naval Facilities Engineering Command
Charleston, South Carolina

Howard, Needles, Tammen & Bergendoff Architects/Engineers/Planners
Dallas, Texas



AICUZ Air Installation Compatible Use Zones Study



NORTH

Scale in nautical miles

0 5 10 15 20

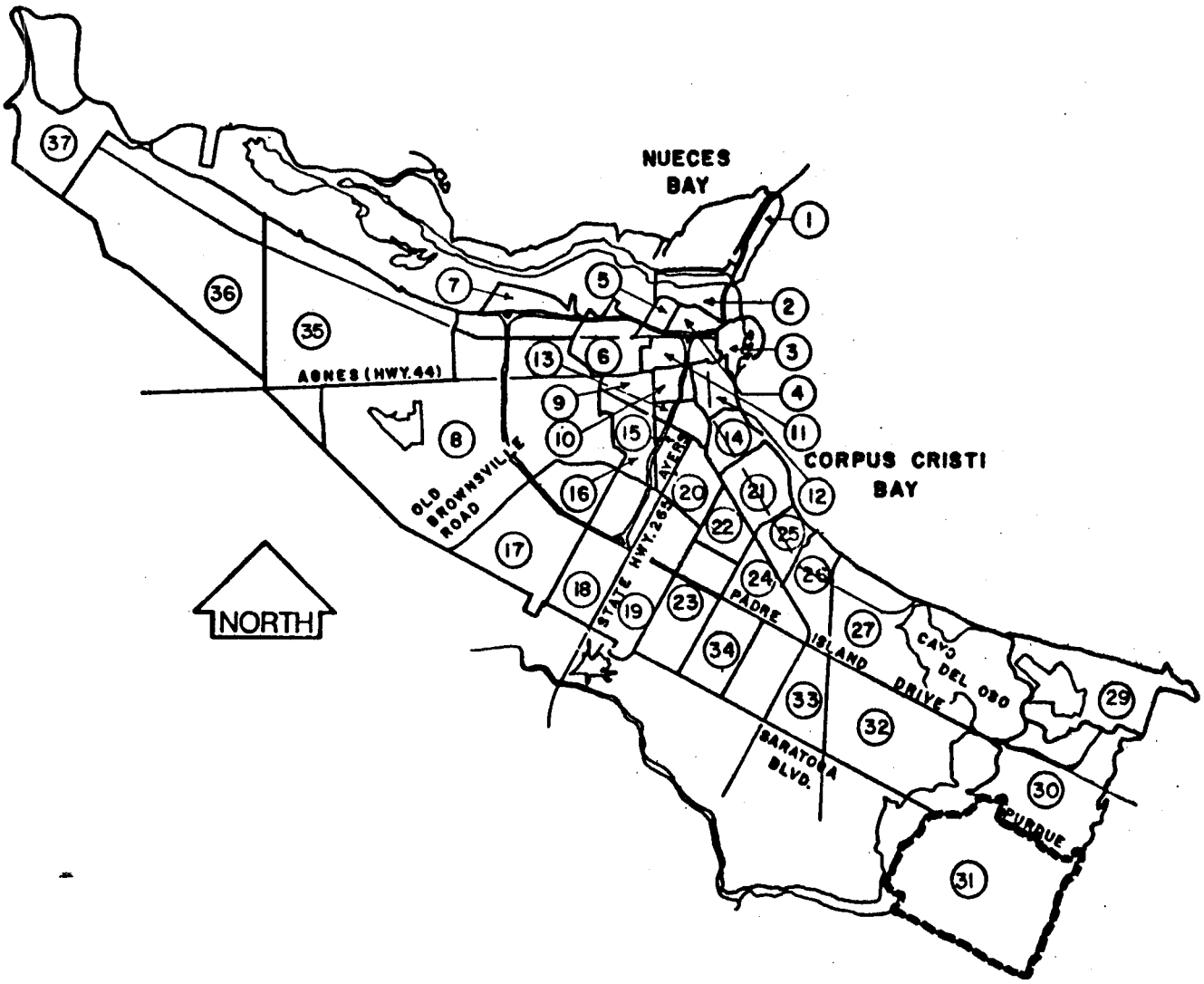
0 10 20 30 40

Scale in kilometers

Corpus Christi region, Texas

Airport system

Exhibit III.11

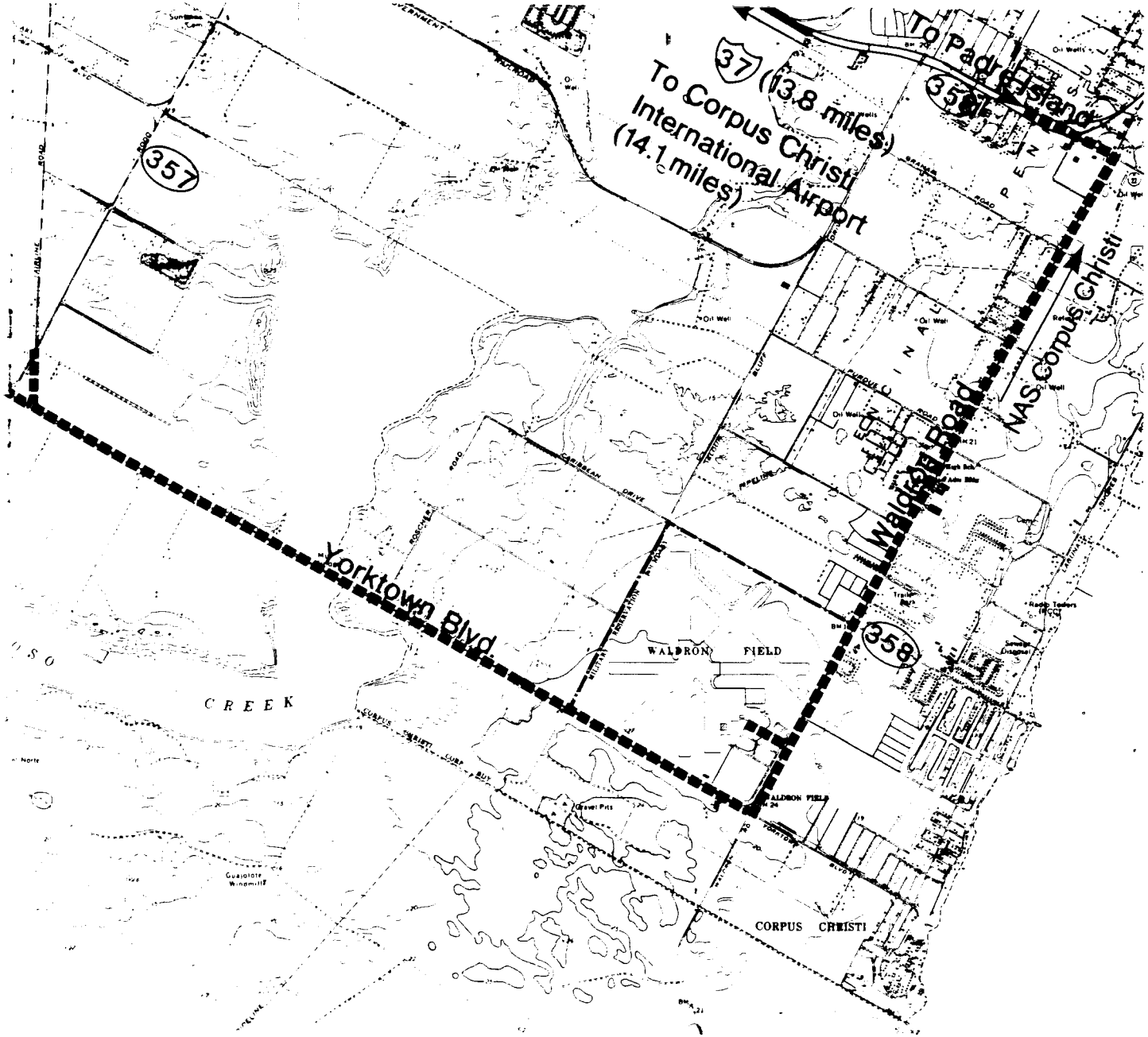


City of Corpus Christi, Texas

NALF Waldron Vicinity

1970 Census tracts

Exhibit III.3



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

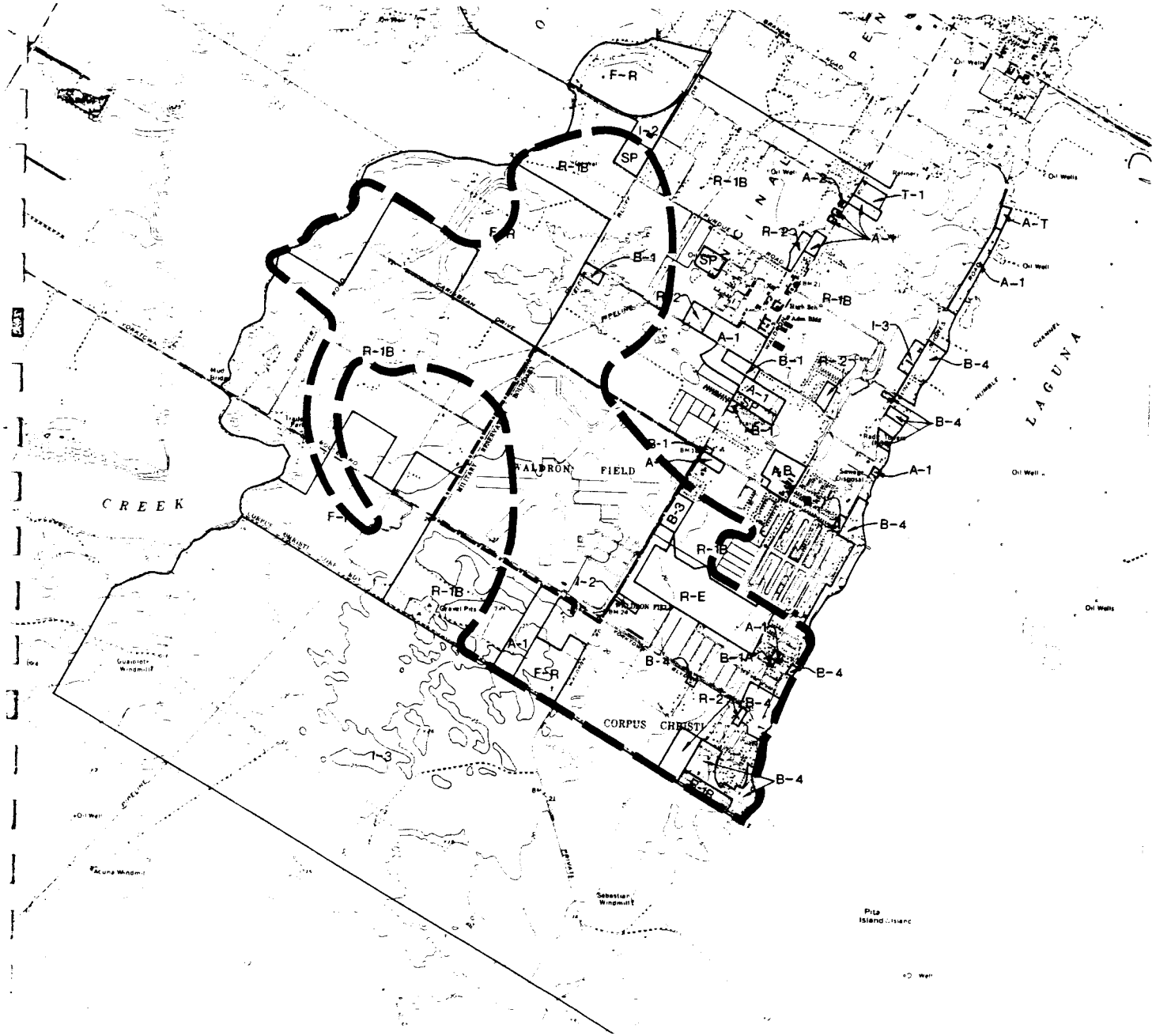
0 5 1

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

F-R	Farm-rural district
R-E	Residential estate district
R-1B	One-family dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AT	Apartment-tourist district
AB	Professional office district
B-1A	Tourist court district
B-1	Neighborhood business district
B-3	Shopping center district
B-4	General business district
I-2	Light industrial district
I-3	Heavy industrial district
SP	Special permit
—·—	Installation boundaries
▬ ▬	Limit of AICUZ

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5 6 7

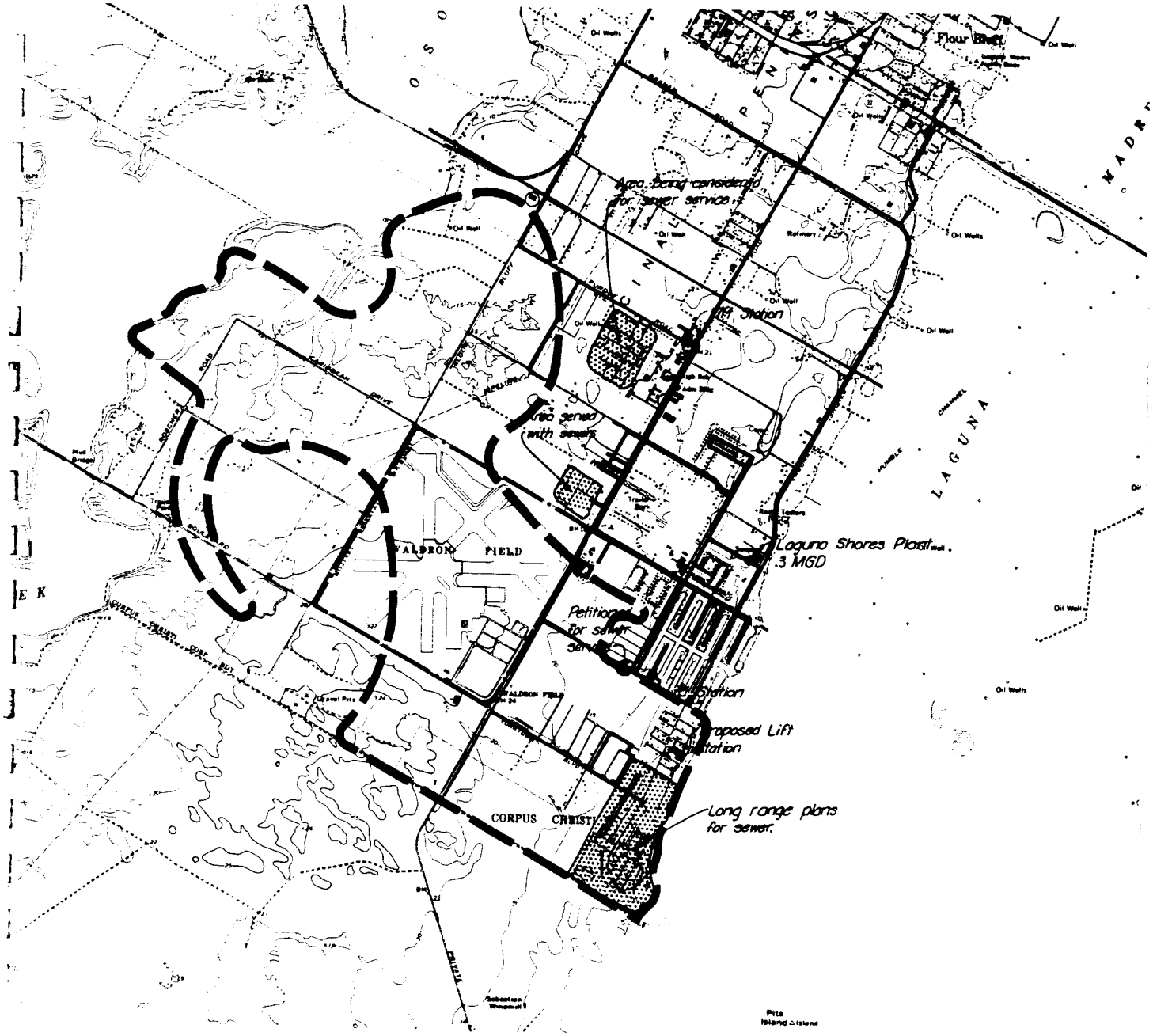
0 .25 .5 .75 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Existing zoning

Exhibit III.5



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- Existing water system
- Existing sanitary sewer system

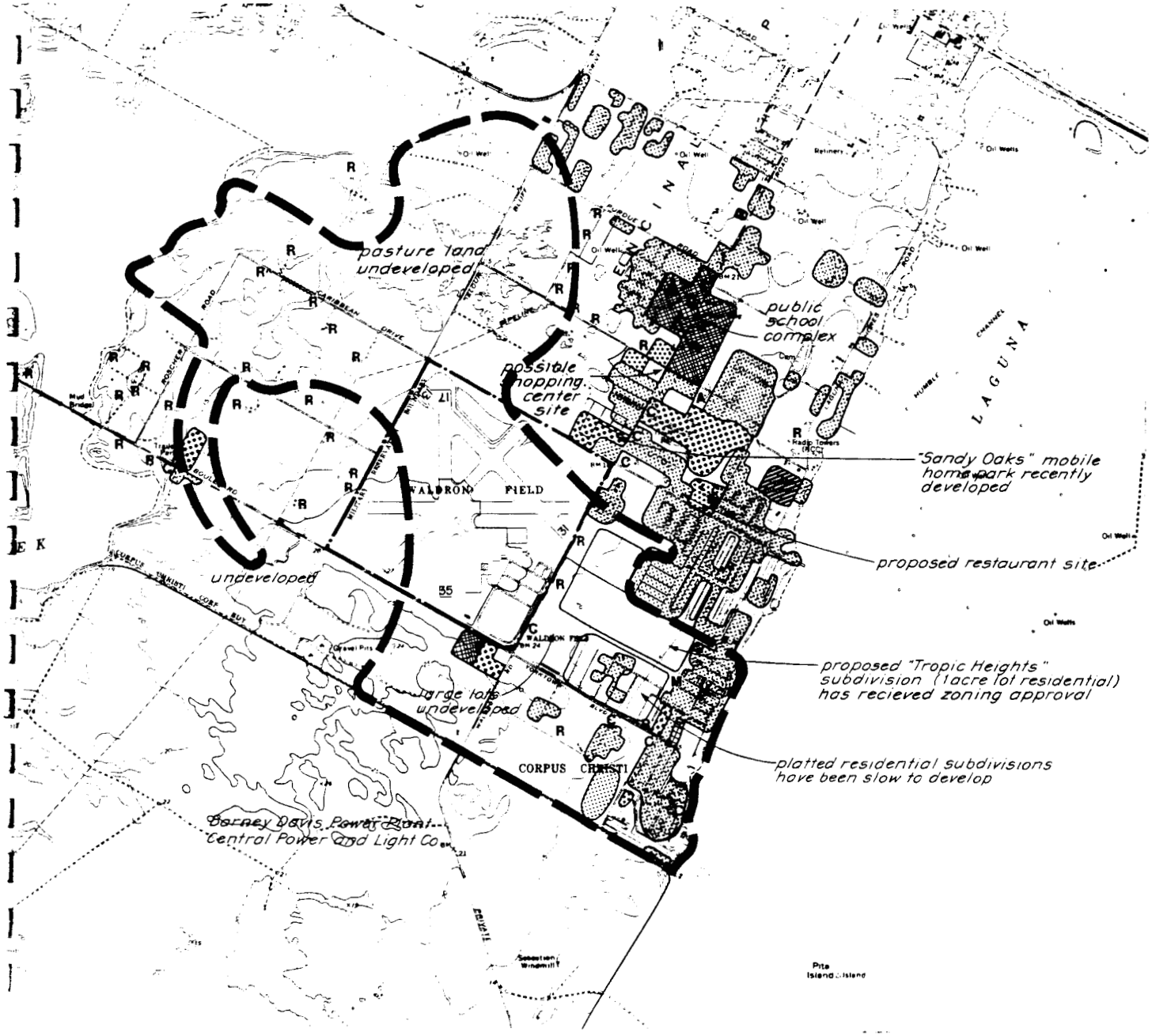
NORTH

Scale in thousands of feet
0 1/2 1 2 3 4 5 6
0 .25 .5 .75 1 2
Scale in kilometers

NALF Waldron
Corpus Christi, Texas

Water and sewer systems

Exhibit III.6



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- (R) Single family residential
- (A) Multi-family residential
- (M) Mobile homes
- Institutional
- (C) Commercial
- Industrial
- Agriculture/pasture
- Installation boundary
- Limit of AICUZ
- Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

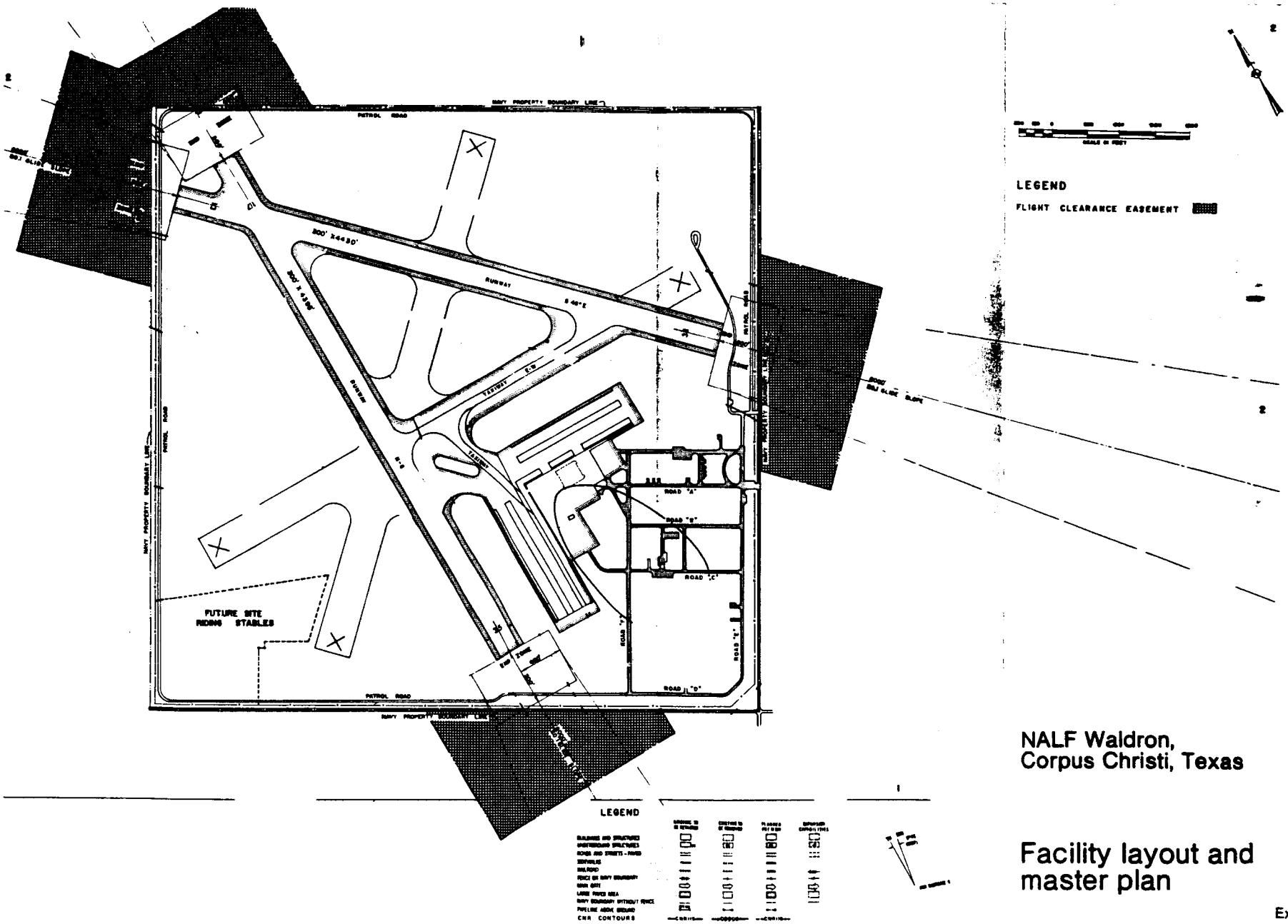
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Existing land use and development trends

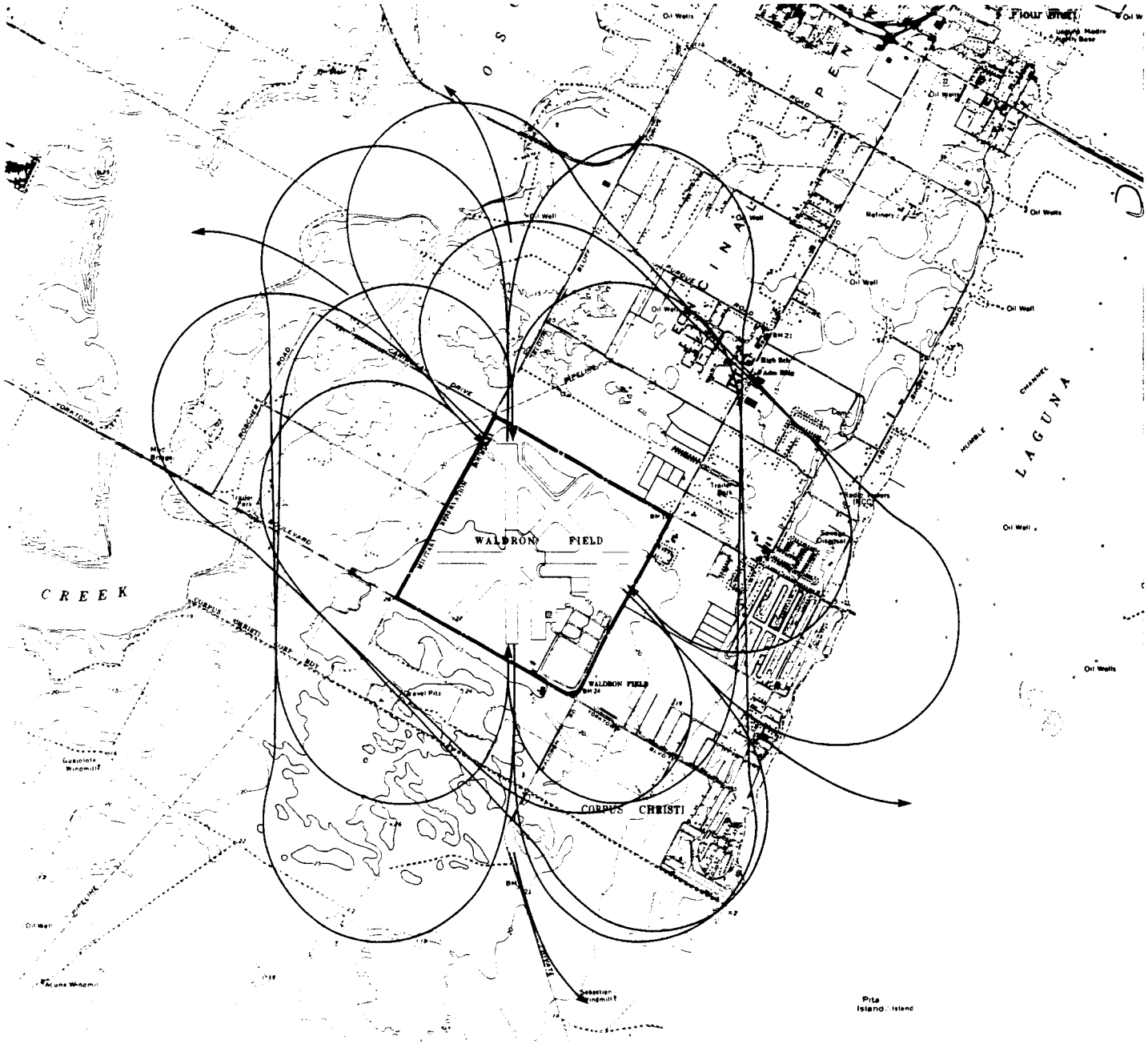
Exhibit III.4



NALF Waldron,
Corpus Christi, Texas

Facility layout and
master plan

Exhibit III.7



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6

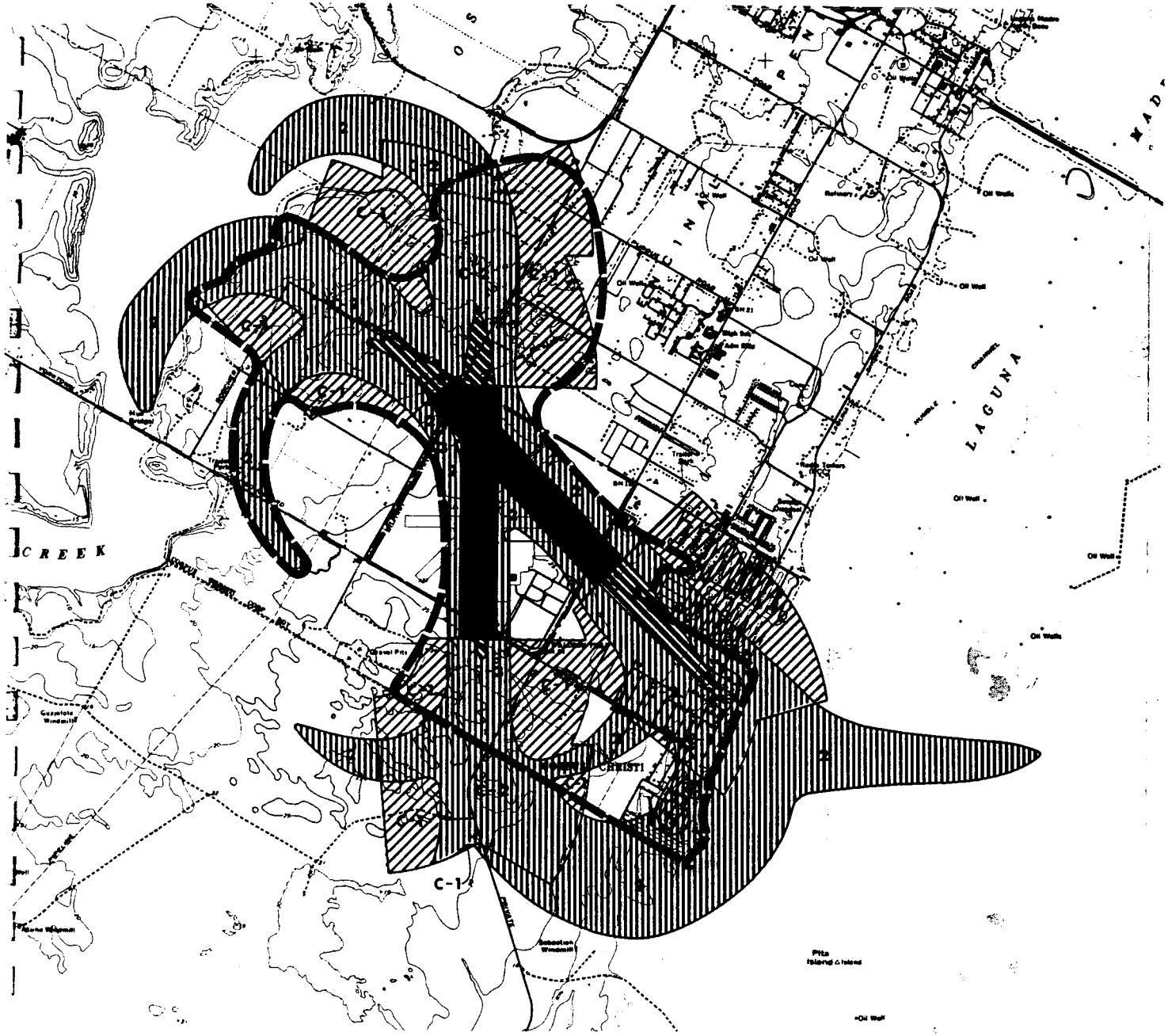
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Representative traffic patterns

Exhibit III.10



Legend

CNR ZONES

1 2 3

ACCIDENT POTENTIAL ZONES

C

B

A

Installation boundary

Limit of AICUZ

NORTH

Scale in statute miles

0 1/2 1

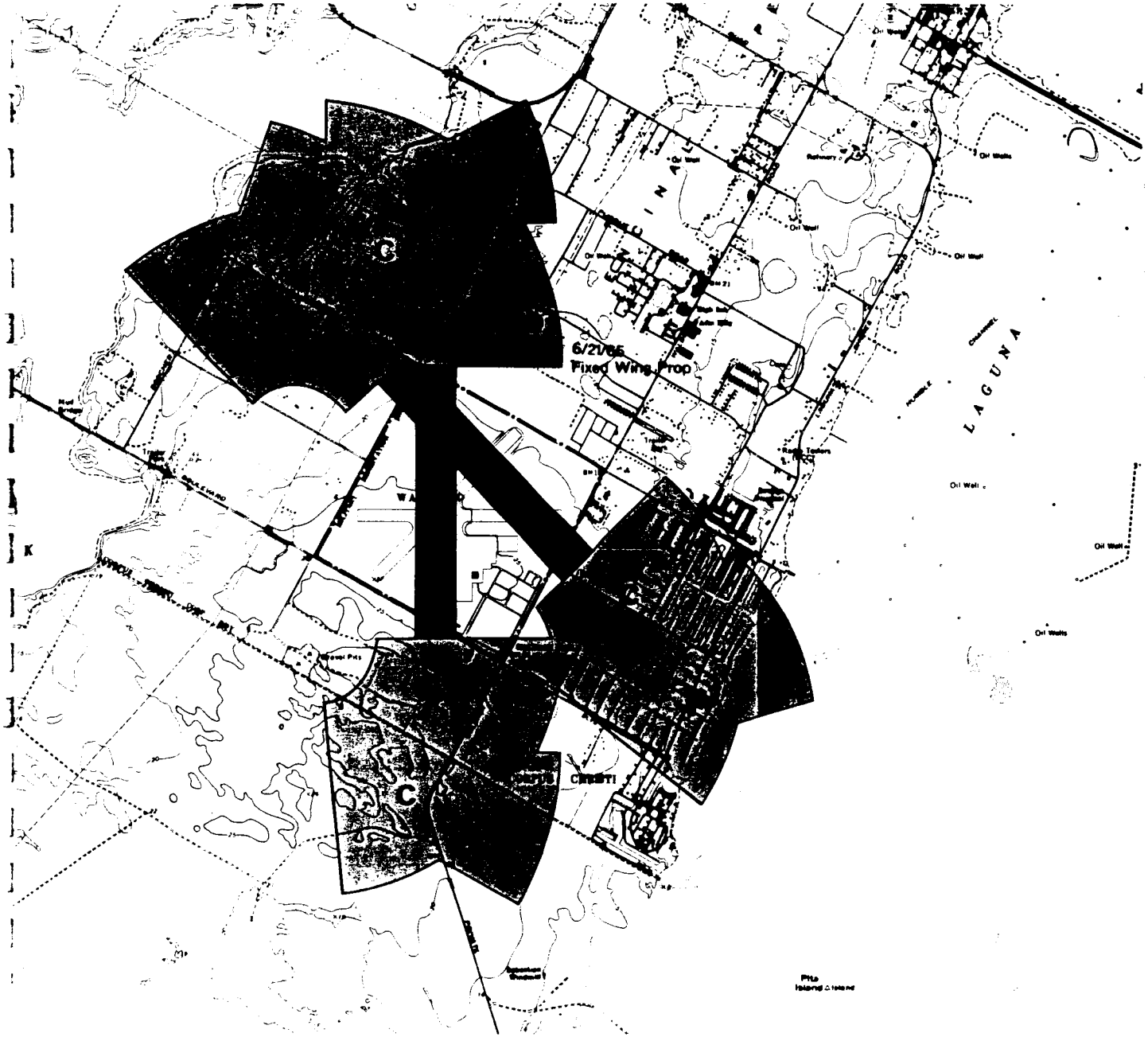
0 .5 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit IV.5



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit IV.3

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
●	Location of noise complaints
—·—	Installation boundary

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

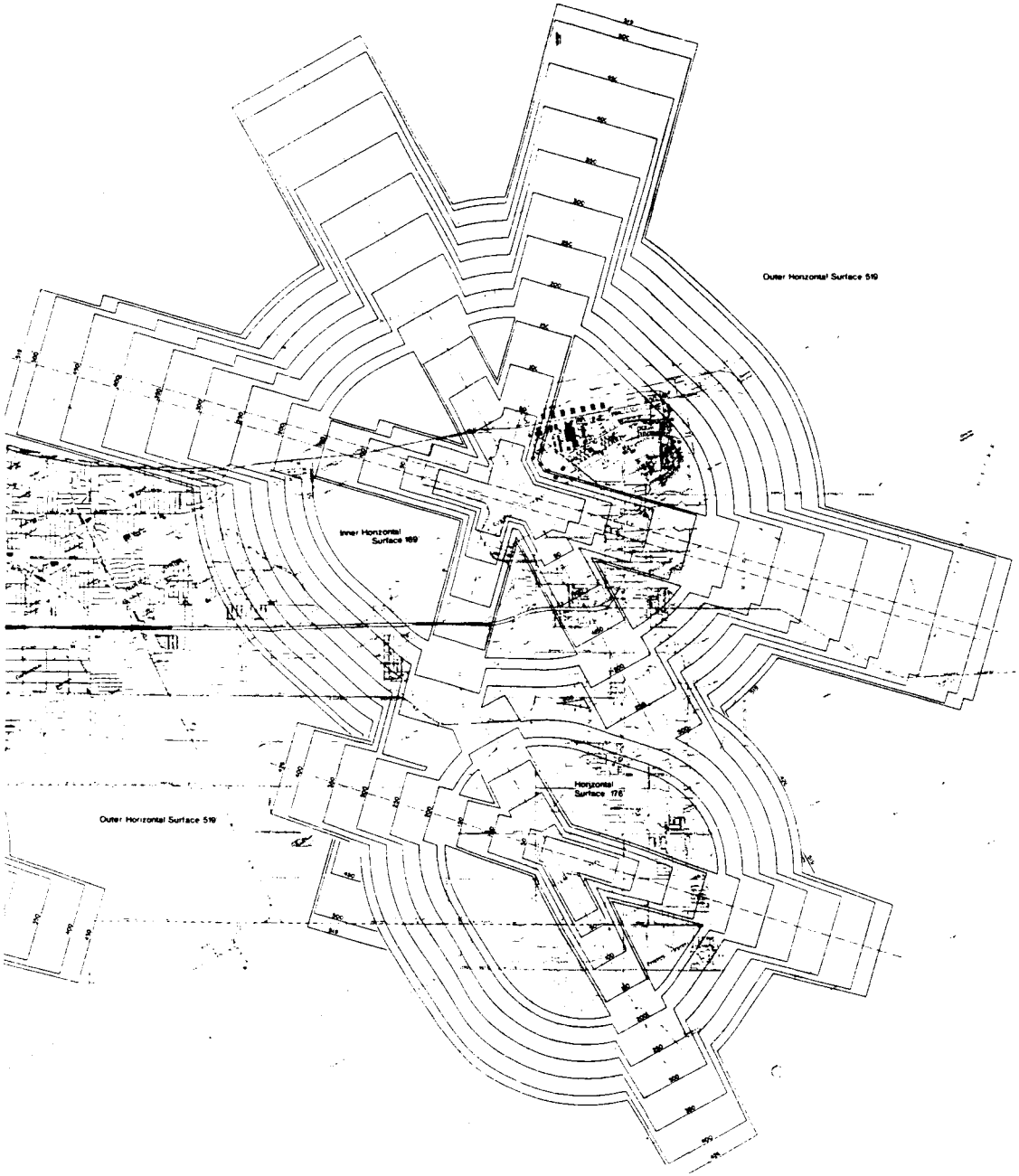
Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit IV.1

HOWARD NEEDLES TAMMEN & BERGENDOFF



NORTH

Scale in statute miles

0 1/2 1 2 3

0 .5 1 2 3 4

Scale in kilometers

NALF Waldron
Corpus Christi, Texas

Imaginary surfaces

Exhibit IV.7

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- (R) Single family residential
- (A) Multi-family residential
- (M) Mobile homes
- Institutional
- (C) Commercial
- Industrial
- Agriculture/pasture
- Incompatible use
- Limit of composite zones
- Limit of AICUZ
- Installation boundary
- Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

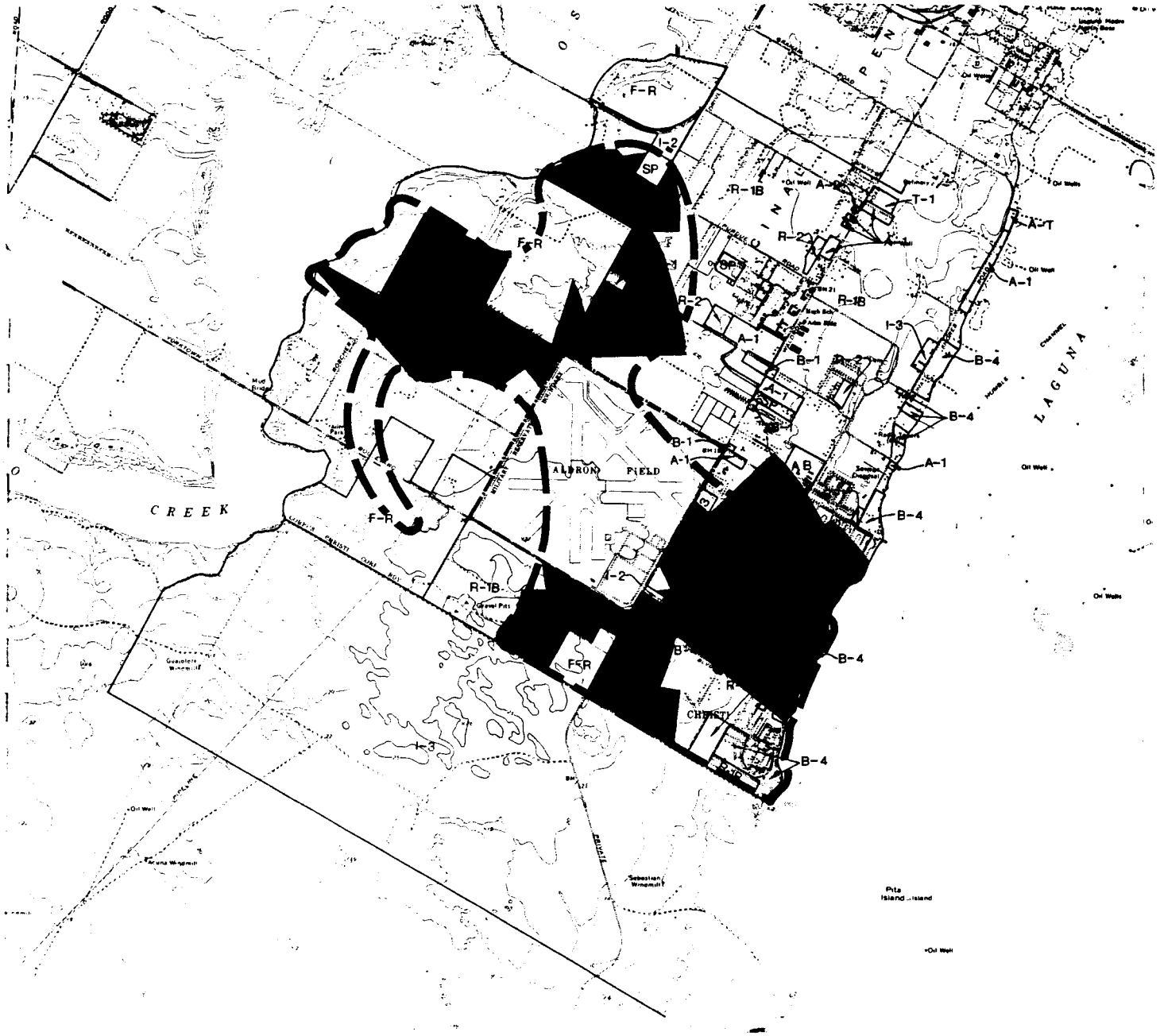
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Incompatible land use, AICUZ

Exhibit V.2



Legend

F-R	Farm-rural district
R-1B	One-family dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AT	Apartment-tourist district
AB	Professional office district
B-1A	Tourist court district
B-1	Neighborhood business district
B-4	General business district
1-2	Light industrial district
1-3	Heavy industrial district
SP	Special permit
—·—	Installation boundaries
■	Incompatible zoning
— —	Limit of AICUZ

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5 6 7

0 .25 .5 .75 1 2

Scale in kilometer

NALF Waldron,
Corpus Christi, Texas

Incompatible zoning, AICUZ

Exhibit V.3

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)	▨	▨	▩		▨	▩
Residential Mobile Homes (>1 unit/acre)	▨	▨	▩	▩	▨	▩
Residential-Single family (a/c) (≤1 unit/acre)	▨	▨			▨	▩
Residential-Single family (a/c) (>1 unit/acre)	▨	▨	▩	▩	▨	▩
Residential-Single family (w/o a/c) (≤1unit/acre)	▨	▨	▩		▨	▩
Residential-Single family (w/o a/c) (>1 unit/acre)	▨	▨	▩	▩	▨	▩
Residential-Multi-family (≤10% ground coverage)	▨	▨			▨	
Residential-Multi-family (>10% ground coverage)	▨	▨	▩	▩	▨	
Commercial - Resort	▨	▨	▩	▩	▨	▩
Commercial - Retail	▨	▩			▩	
Commercial - Wholesale	▨	▩			▩	
Commercial - Office	▨	▩			▩	
† Institutional - Intensive (a/c)	▨	▩	▩	▩	▩	
† Institutional - Extensive (a/c)	▨	▩			▩	
† Institutional - Intensive (w/o a/c)	▨	▨	▩	▩	▨	▩
† Institutional - Extensive (w/o a/c)	▨	▨	▩		▨	▩
Industrial - Service	▨					
Industrial - Manufacturing	▨					
Industrial - Extractive	▨					
Transportation/Utilities	▨					
Agricultural						
Recreational - Golf	▨					
Recreational - Sports Arena or Stadium	▨					
Recreational - Parks	▨	▩			▩	
Recreational - Water	▨	▩			▩	
Forests, Wildlife Habitats	▨					

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

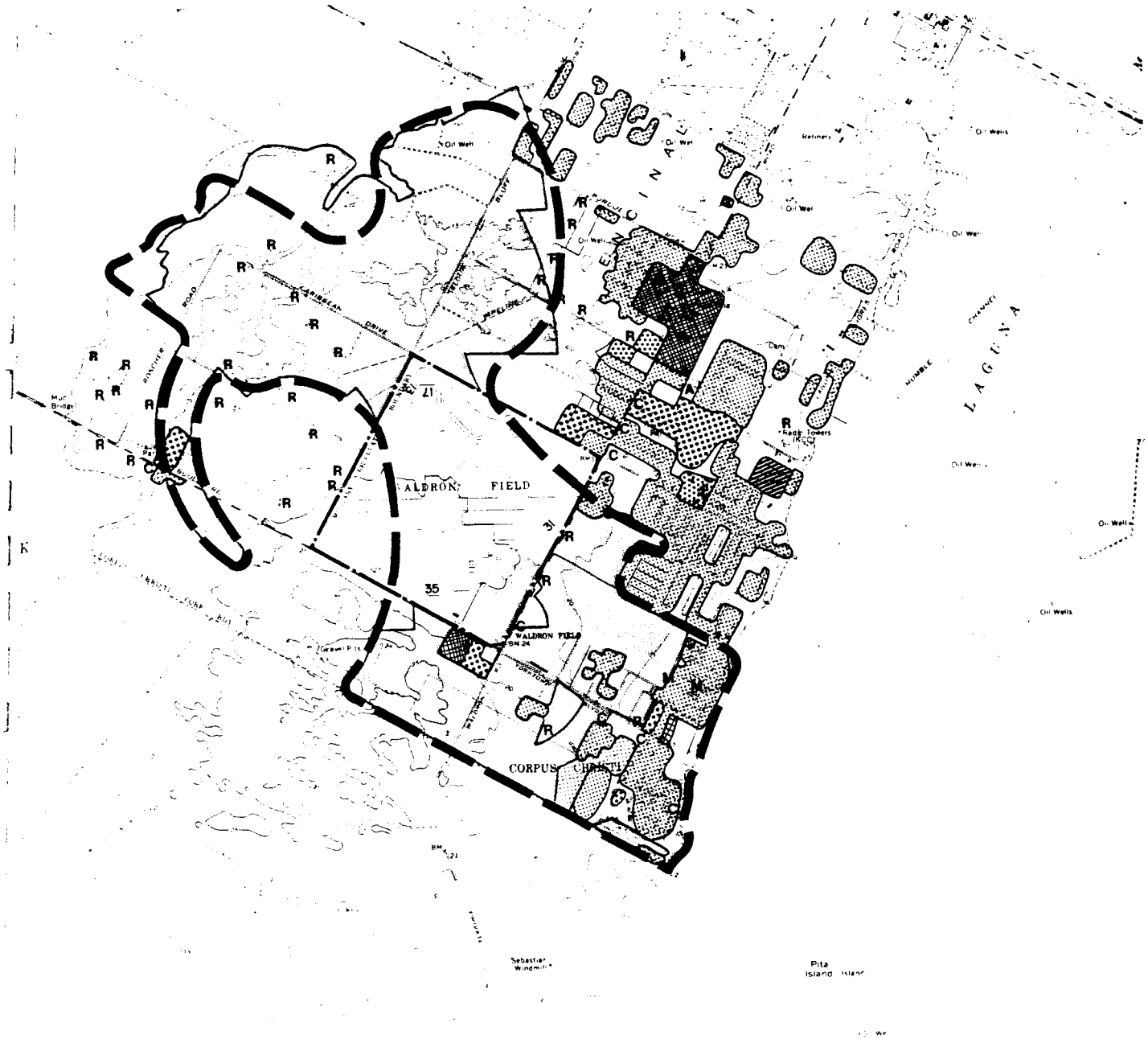
▨ No New Development

▩ Restricted Development

□ No Restrictions

Land use objectives

Exhibit V.1



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

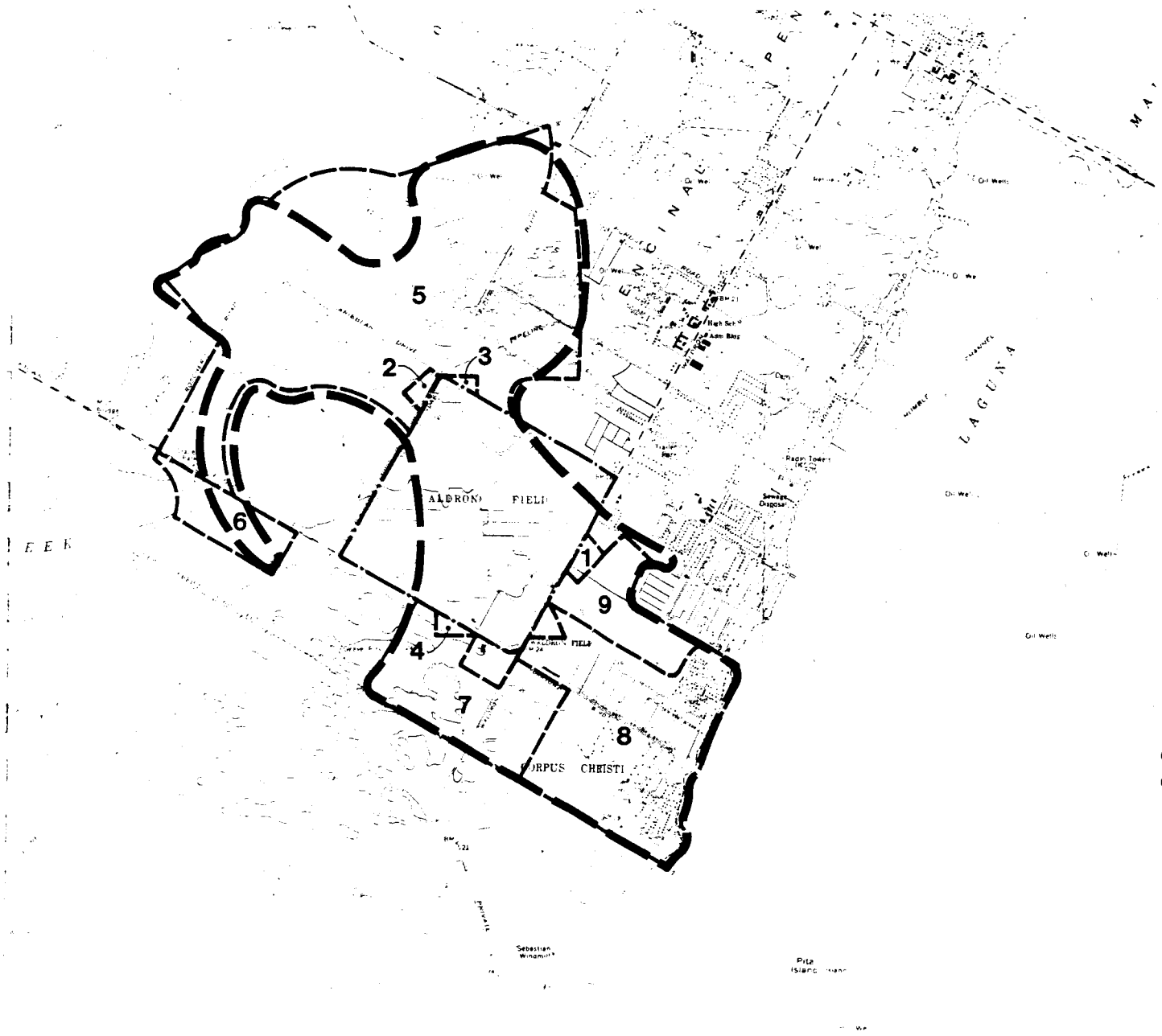
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit V.4



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

SPA boundary

Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit V.5

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
1	A	Undeveloped and residential	B-3	Single	Undeveloped land to commercial use	No developed use	Open space, agricultural	- Passage of Airport Zoning Ordinance for Waldron Field to prohibit structures within the extraterritorial area (1000 ft. from end of runway) - Designate compatible land use in comprehensive plan
2	A	Undeveloped and agricultural	R-1B	Single	None known	No developed use	Open space, agricultural	- Same as above
3	A	Undeveloped and agricultural	R-1B	Single	None known	No developed use	Open space, agricultural	- Same as above
4	A	Undeveloped and agricultural	R-1B, A-1	Multiple	None known	No developed use	Open space, agricultural	- Same as above
5	C-3, C-2, C-1, 2	Agricultural, pastureland, scattered farm residences, one small mobile home court	R-1B, F-R	Multiple	None known	Agricultural	Agricultural	- Designate compatible use in the comprehensive plan - Rezone undeveloped R-1B to R-E to limit density to one residential unit per acre - Amend building code to include noise attenuation - Require disclosure statement for property platted in noise zones CNR 2 and CNR-3.
6	2	Agriculture, limited roadside commercial	R-1B, F-R, B-4	Multiple	None known	Agricultural	Agricultural	- Same as above
7	C-3, C-2, C-1	Agricultural, small residential area	R-1B F-R A-1	Multiple	None known	Agricultural	Agricultural	- Same as above

NALF Waldron
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
8	C-3, C-2, C-1	Developed residential area toward the Laguna Madre, platted but undeveloped subdivisions, mobile home parks, seasonal homes	R-1B, R-2, B-4	Multiple	Undeveloped platted subdivisions anticipating single family homes when demand is strong and utilities are available	Continued agricultural use north of Yorktown Road	Agricultural north of Yorktown Road	- Designate compatible uses in the comprehensive plan - All new housing to be constructed to conform with noise attenuation and standards specified in an amended building code. - Require disclosure statement for property platted within noise exposure zones CNR-2 and CNR-3
9	C-3, C-2	Undeveloped, pastureland	R-1B, R-E	Single	Low density single family development (1 unit per acre)	Agricultural	Low density single family development	- Rezone undeveloped R-1B to R-E to limit density to one residential unit to the acre - Require disclosure statement for property platted in noise zones CNR-2 and CNR-3 - All new housing to be constructed to conform with noise attenuation standards specified in an amended building code

Notes: All development activities in the vicinity of NALF Waldron should additionally be subject to the following:

- Discretionary location of community facilities, especially schools,
- Capital improvements programming sensitive to AICUZ compatible development near installations,
- Awareness of noise exposure as a factor in conventional mortgage review by local lending institutions, and
- Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ activities, and to monitor developments.

NALF Waldron
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	1. RESIDENTIAL									
112	Single Family			1,2	2		1,2	2		1
113	Two-Four Family			1,2	2		1,2	2		1
114	Multi-Family Apts.			1,2	2		1,2	2		1
12	Group Quarters			1,2	2		1,2	2		1
13	Residential Hotels			1,2	2		1,2	2		1
14	Mobile Home Parks or Courts			1,2	2		1,2	2		1
15	Transient Lodging			1,2	2	1,2	1,2	2	1	1
	2 and 3. MANUFACTURING									
21	Food & Kindred Products		3,4	4	4	3			3	
22	Textile Mill Products		3,4	4	4	3			3	
23	Apparel & Similar Products		3,4	4	4	3			3	
24	Lumber & Wood Products		3,4	4	4	3			3	
25	Furniture & Fixtures		3,4	4	4	3			3	
26	Paper & Allied Products		3,4	4	4	3			3	
27	Printing & Publishing		3,4	4	4	3			3	
28	Chemicals & Allied Products		3,4	4	4	3			3	
29	Petroleum Refining & Related Industries								3	
31	Rubber & Plastic Products		3,4	4	4	3			3	
32	Stone, Clay, & Glass		3,4	4	4	3			3	
33	Primary Metal Industries		3,4	4	4	3			3	
34	Fabricated Metal Products		3,4	4	4	3			3	
35	Professional & Scientific Instruments		3,4	4	4	3	3		3	3

1-4: See notes on pages following this chart

No New Development

Restricted New Development

No Restrictions

Land use objectives amplified

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	4. TRANSPORTATION, COMMUNICATION & UTILITIES									
41	R.R.,and Rail Transportation									
42	Motor Vehicle Transportation									
44	Marine Craft Transportation									
45	Hwy. & St. Right Of Way									
46	Automobile Parking									
47	Communications		3	3		3	3		3	3
48	Utilities	7								
	5. TRADE									
51	Wholesale Trade		4	4	4					
52	Retail Trade-Bldg. Materials, Hdw. & Farm Eqt		4	4	4	3			3	
53	Retail Trade-Gen. Mdse.		3,4	3,4	4	3			3	
54	Retail Trade - Food		3,4	3,4	4	3			3	
55	Retail Trade-Automotive Marine Craft, Aircraft		3,4	3,4	4	3			3	
56	Retail Trade-Apparel & Accessories		3,4	3,4	4	3			3	
57	Retail Trade-Furniture, Home Furnishings, & Equip.		3,4	3,4	4	3			3	
58	Retail Trade-Eating & Drinking					3			3	
	6. SERVICES									
61	Finance, Insurance, & Real Estate Services		4,8	4	4	8			8	
62	Personal Services		4,8	4	4	8			8	
63	Business Services		4,8	4	4	8			8	
64	Repair Services		3,4	4	4	3			3	
651	Medical & Health Services			4	4		8		8	
652-9	Professional Services		4,8	4	4	8			8	
66	Contract Construction Services									
671	Government Offices		4,8	4	4	8			8	

3-8: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
674	Correctional Institutions			1,2	2		1,2	2		1
675	Military Installations		9	9	9	9	9	9	9	9
68	Educational Services					4	4	4		8
691	Religious Activities		4,8	4	4	8			8	
	7. CULTURAL ENTERTAINMENT AND RECREATION									
711	Cultural Activities			4,8	4		8			8
712	Nature Exhibits		10	10	10	10	10		10	10
721	Entertainment Assembly						11	11		11
722	Sports Assembly					11	11	11	11	11
723	Public Assembly (Auditoriums)			4,8	4		8			8
73	Amusements (Outdoor)									
741	Sports Activities									
743-4	Water Based Activities									
75	Resorts & Group Camps									
761	Playgrounds & Neighborhood Parks		12	12	12	12			12	
762-4	Community Parks		12	12	12	12			12	
	8. RESOURCE PRODUCTION AND EXTRACTION									
81*	Agricultural Except Livestock									
815-17	Livestock Farming, Animal Breeding		13			13			13	
82	Agricultural Related Activities									
83	Forestry Activities & Related Services									
84	Fishing Activities & Related Services									
85	Mining Activities & Related Services									
	9. UNDEVELOPED LAND AND WATER AREAS									
91	Undeveloped, Unused Land, Excluding Non-Commercial Forests									
92	Non-Commercial Forests									
93	Water Areas									

1-13: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

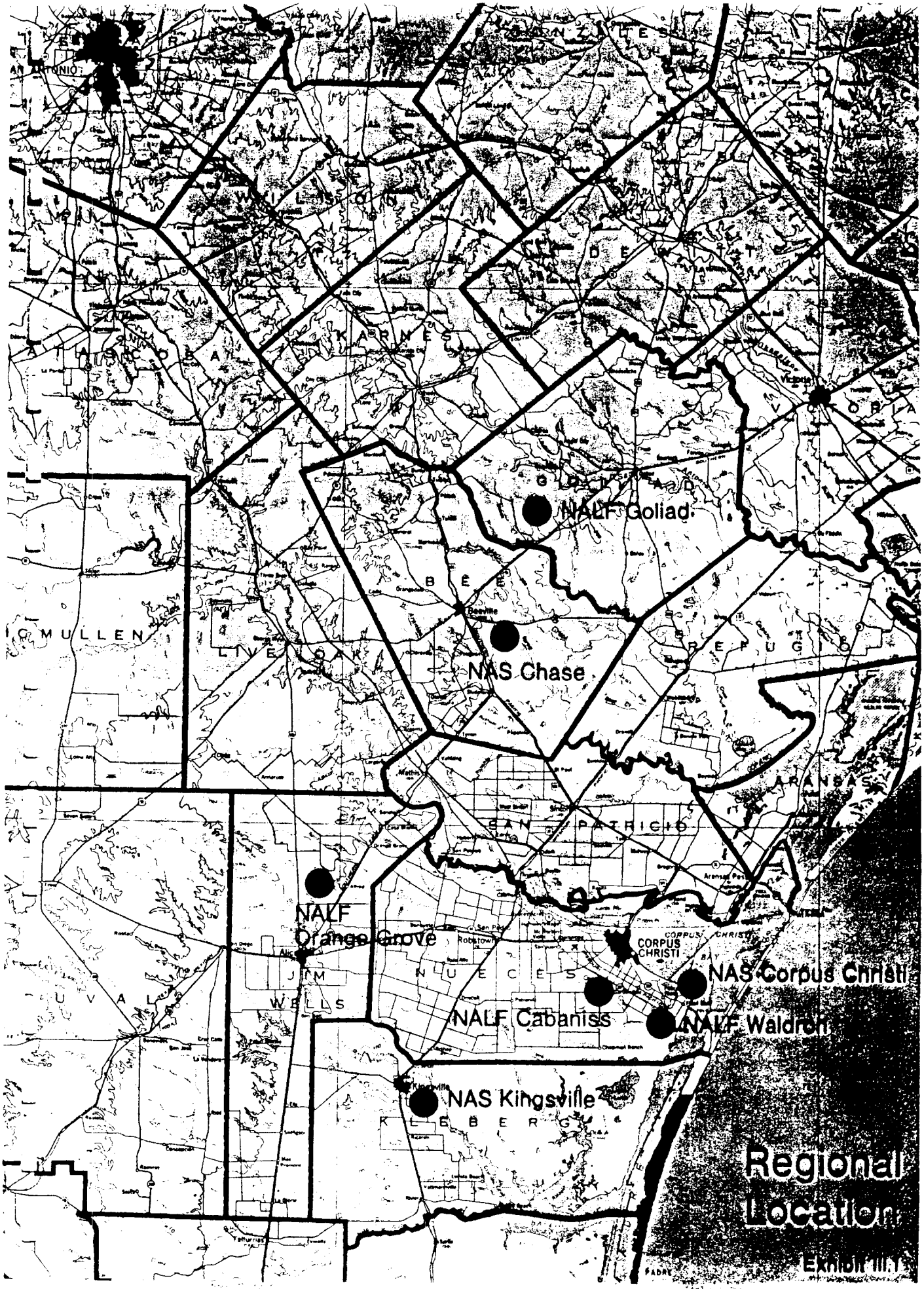
AICUZ

Air Installation Compatible Use Zones

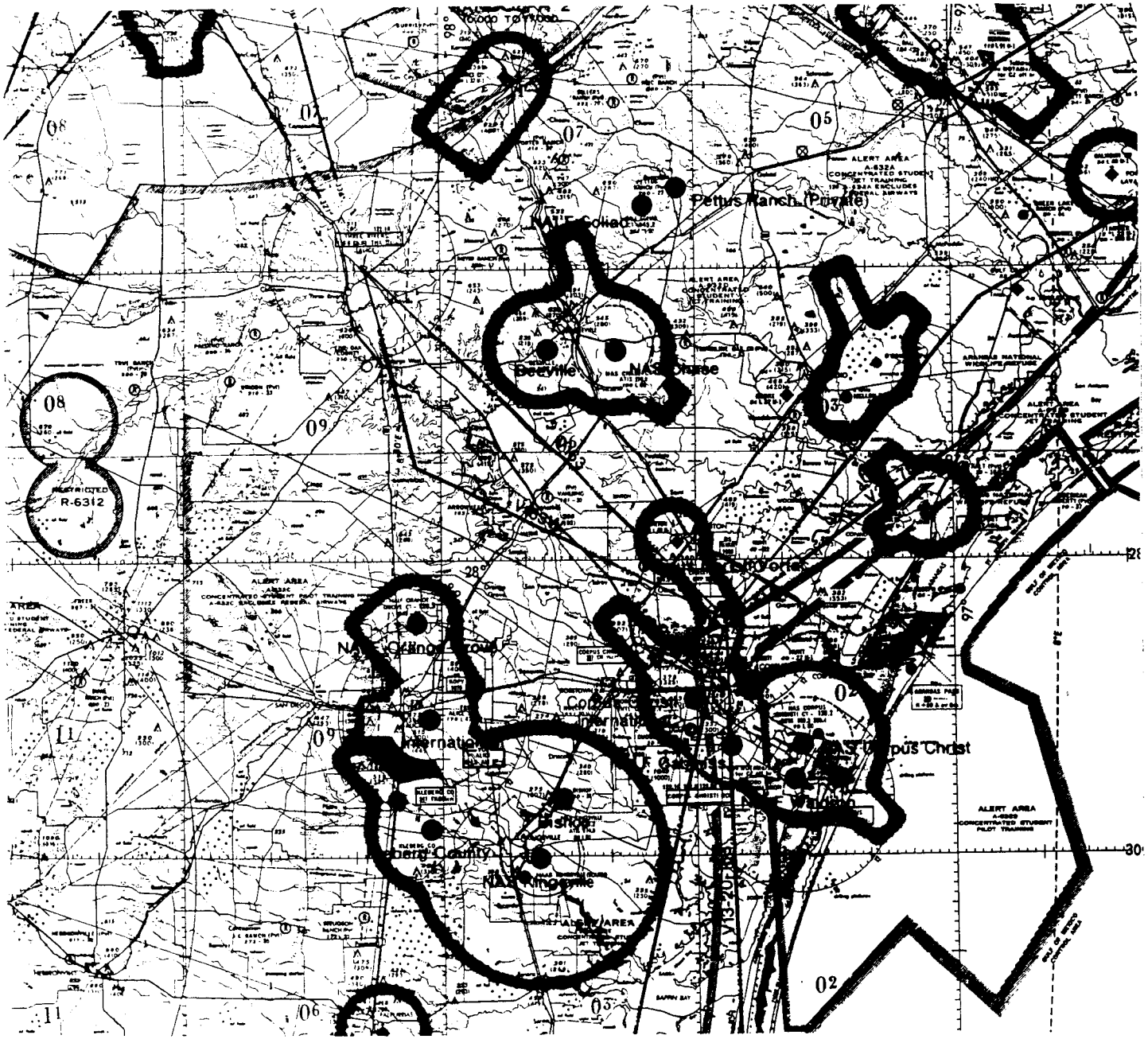
NALF Cabaniss
Corpus Christi, Texas

Southern Division - Naval Facilities Engineering Command
Charleston, South Carolina

Howard, Needles, Tammen & Bergendoff Architects/Engineers/Planners
Dallas, Texas



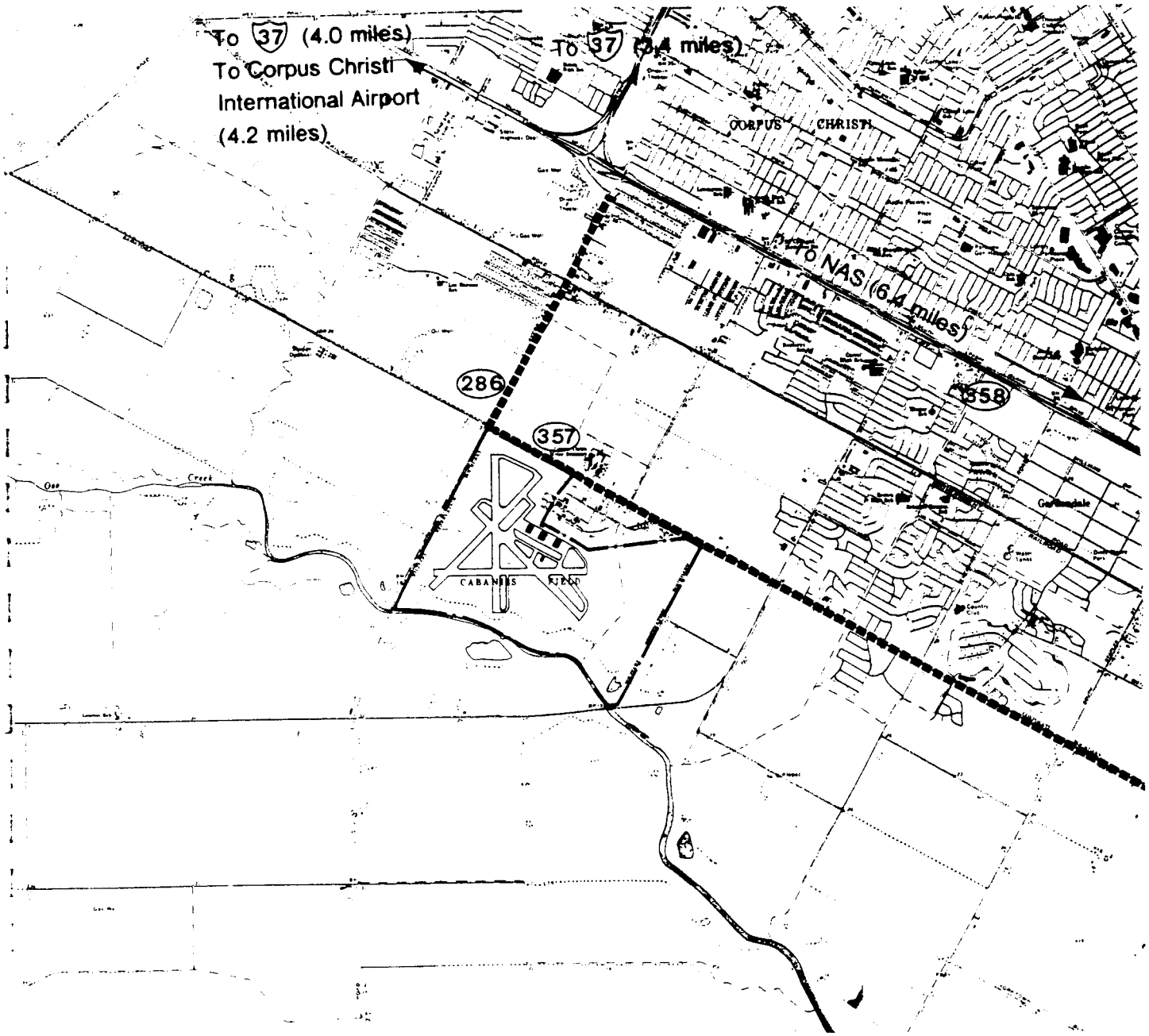
AICUZ Air Installation Compatible Use Zones Study



Corpus Christi region, Texas

Airport system

Exhibit III.11



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

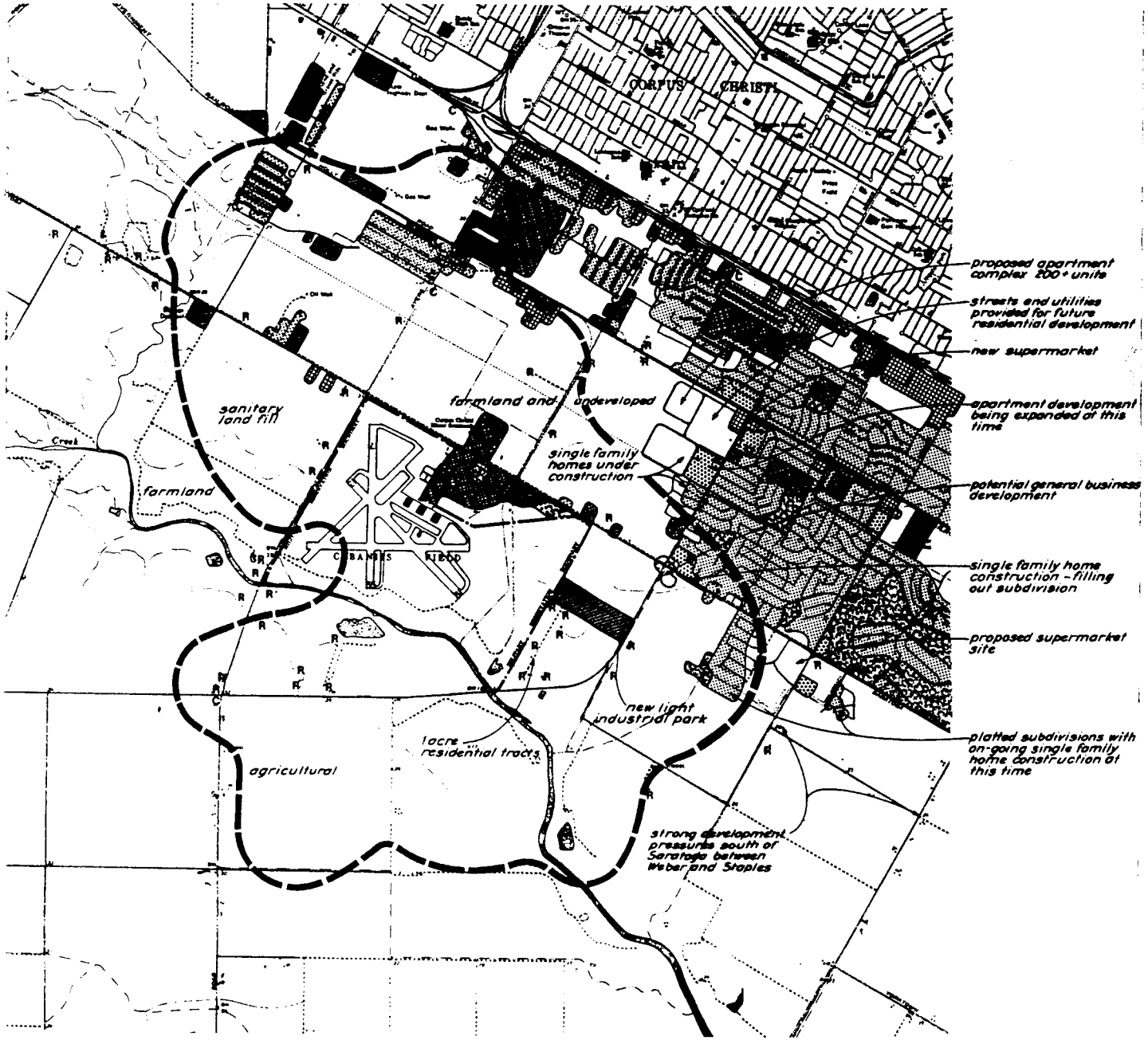
0 .5 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2



Legend

- (R) Single family residential
- Multi-family residential
- Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- Installation boundary
- Limit of AICUZ
- Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

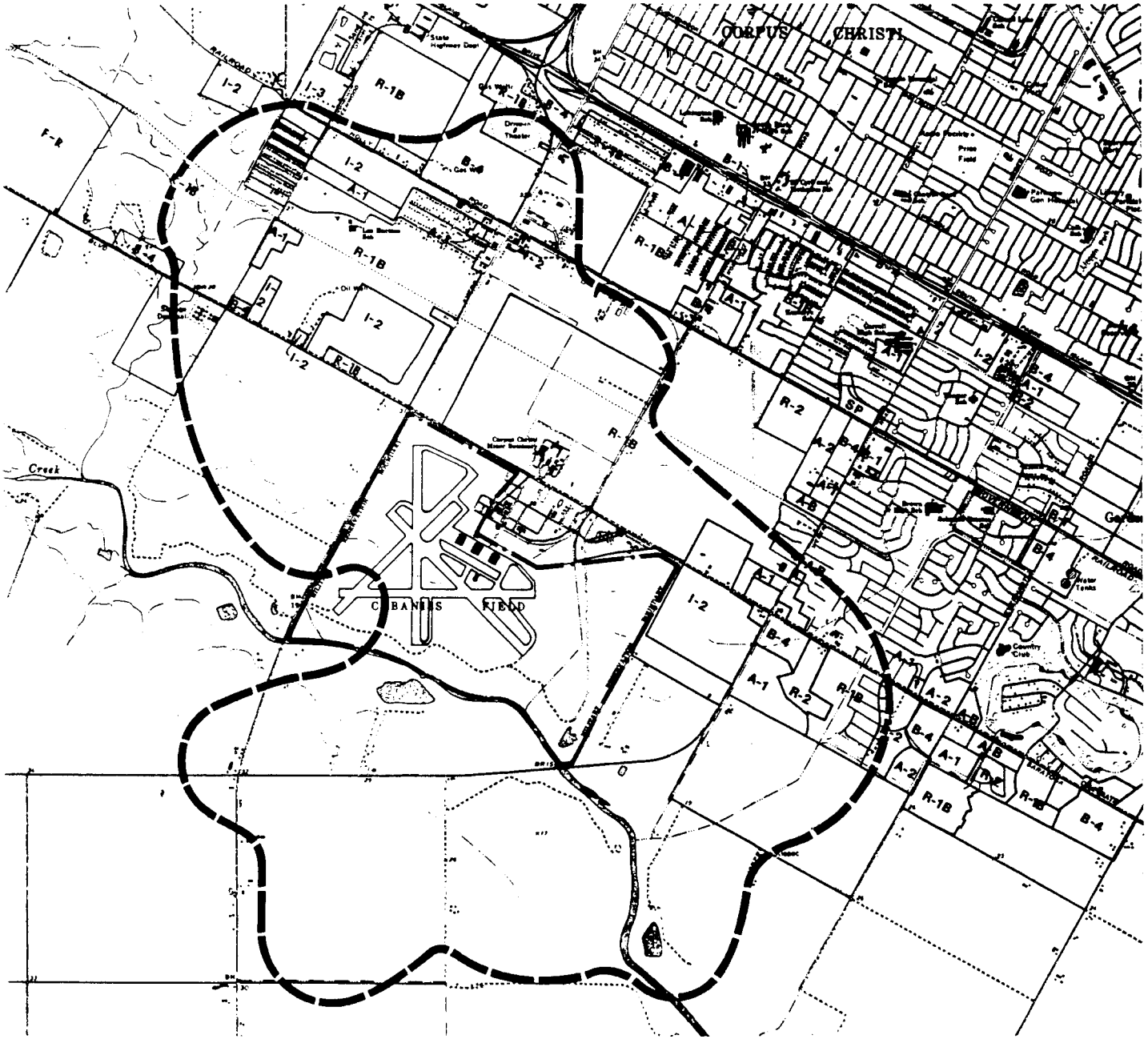
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Existing land use and development trends

Exhibit III.4



Legend

R-1B	One-family dwelling district
R-2	Multiple dwelling district
A-1	Apartment house district
AB	Professional office district
B-4	General business district
I-2	Light industrial district
SP	Special permit
—·—	Installation boundaries

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5

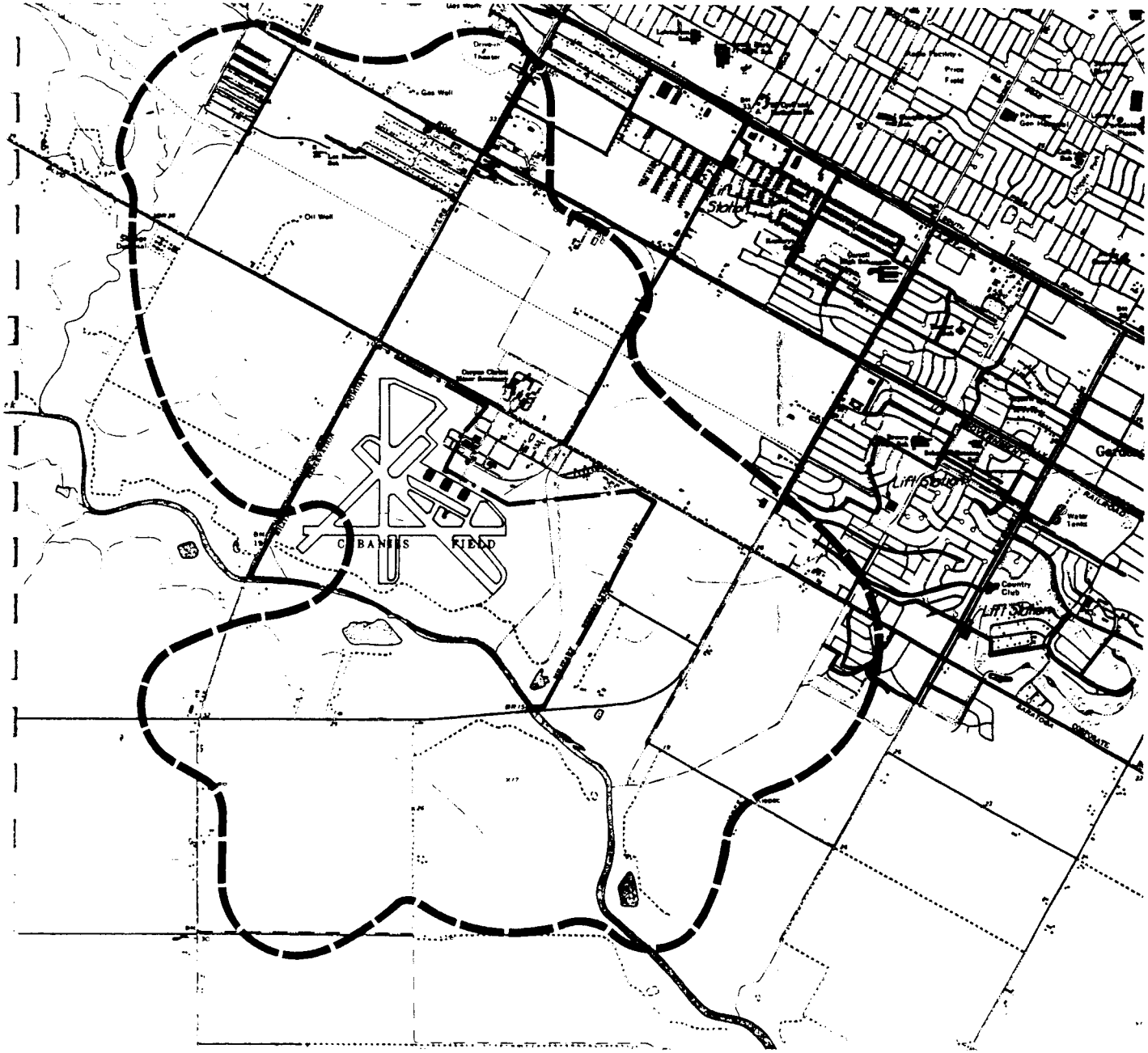
0 .25 .5 .75 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Existing zoning

Exhibit III.5



Legend

Existing water system

Existing sanitary sewer system

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5

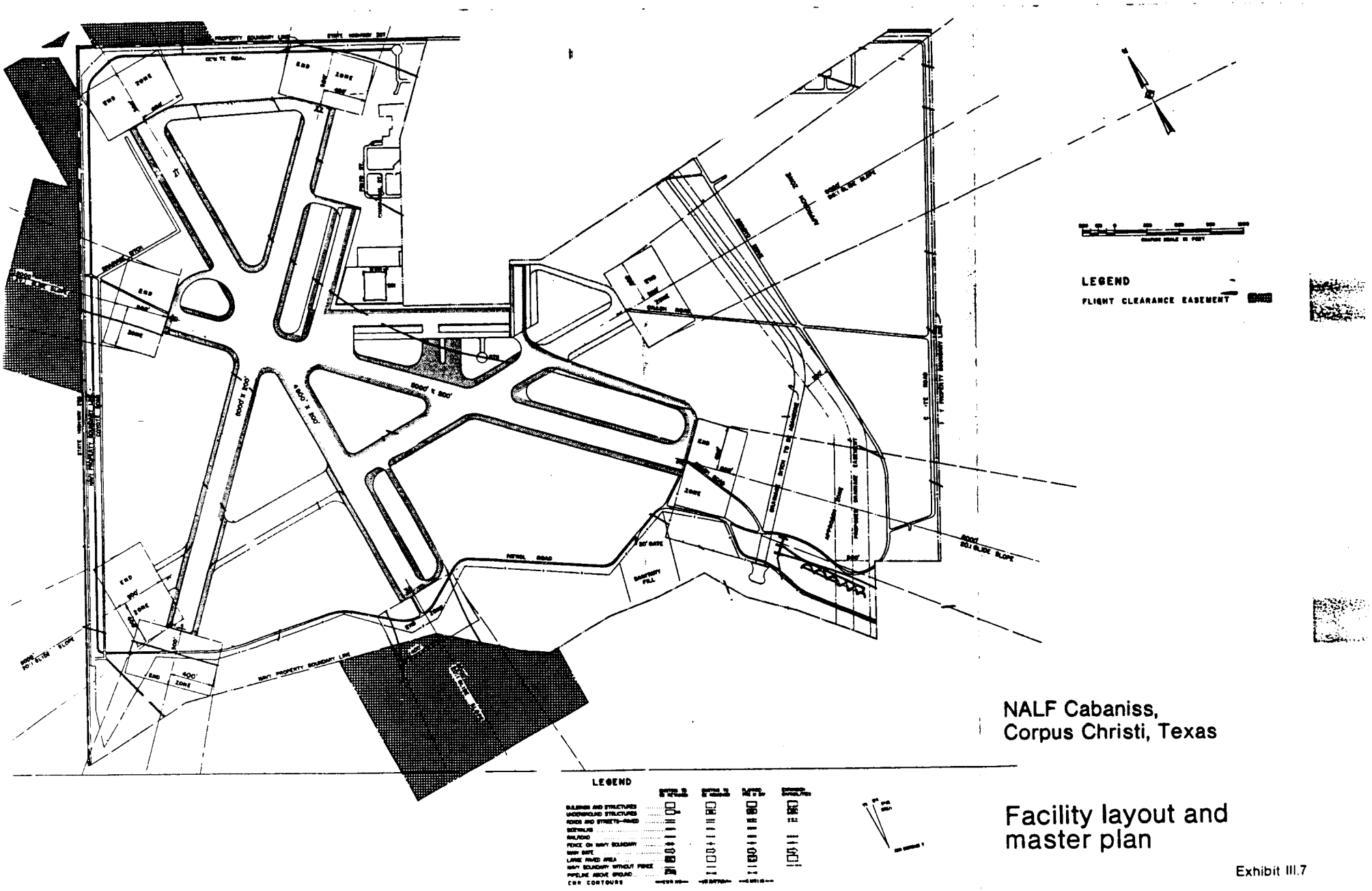
0 .25 .5 .75 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Water and sewer systems

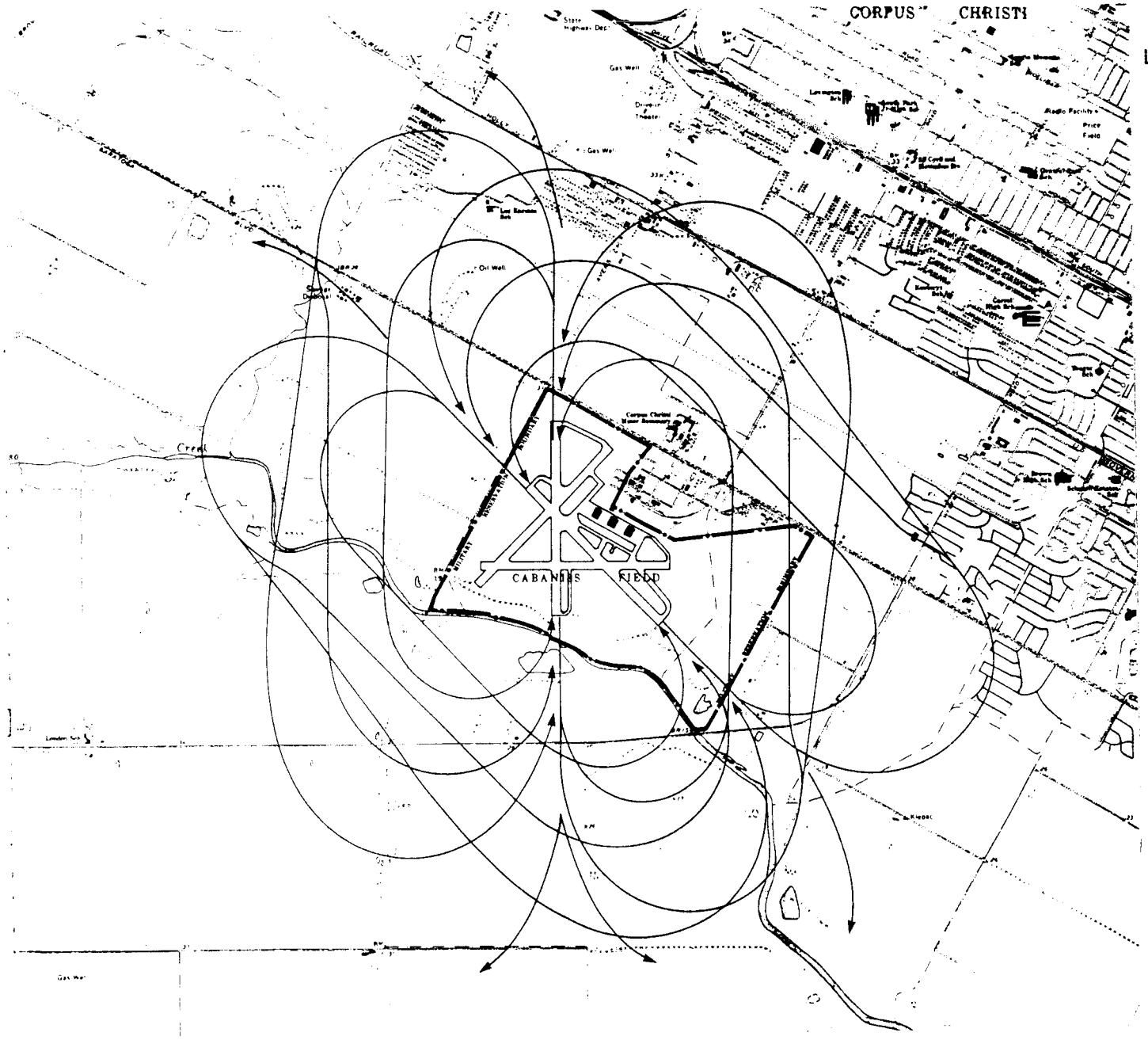
Exhibit III.6



NALF Cabaniss,
Corpus Christi, Texas

Facility layout and
master plan

Exhibit III.7



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6

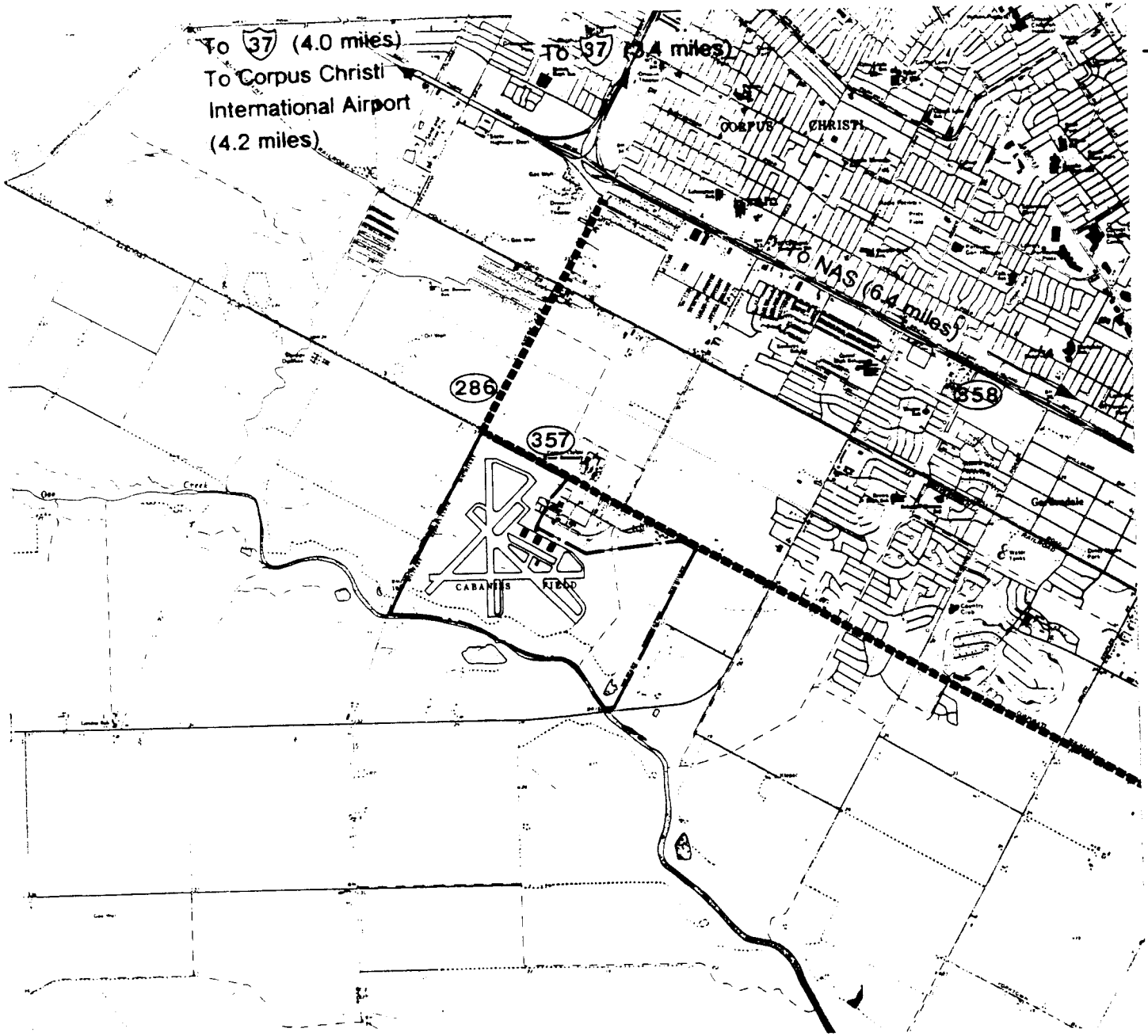
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Representative traffic patterns

Exhibit III.10



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

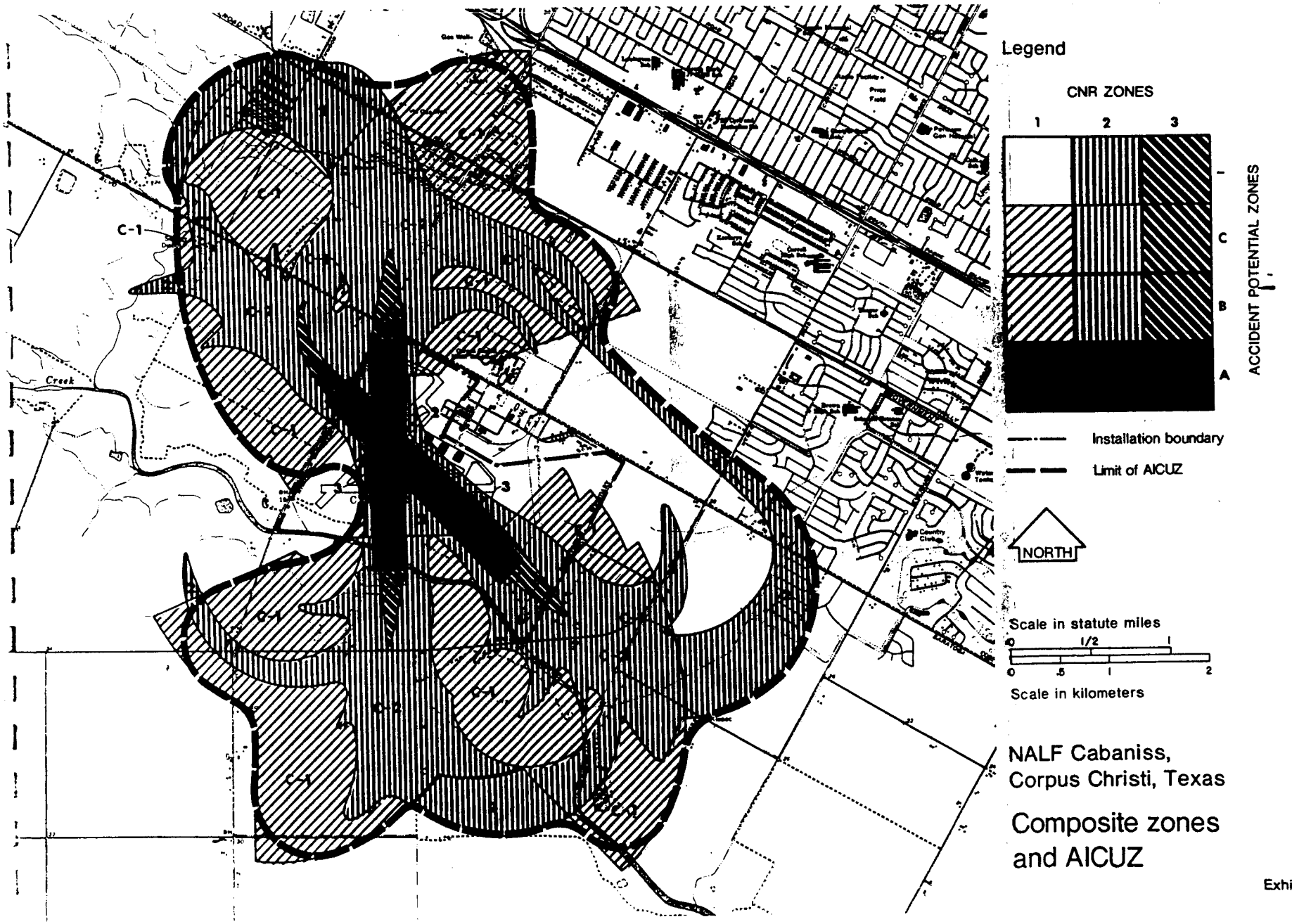
0 .5 1 2

Scale in kilometers

NALF Cabaniss
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2



NALF Cabaniss,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit I.3

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit I.2

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
	Location of noise complaints
	Installation boundary
	Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit I.1

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit I.5

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)						
Residential Mobile Homes (>1 unit/acre)						
Residential-Single family (a/c) (≤1 unit/acre)						
Residential-Single family (a/c) (>1 unit/acre)						
Residential-Single family (w/o a/c) (≤1unit/acre)						
Residential-Single family (w/o a/c) (>1 unit/acre)						
Residential-Multi-family (≤10% ground coverage)						
Residential-Multi-family (>10% ground coverage)						
Commercial - Resort						
Commercial - Retail						
Commercial - Wholesale						
Commercial - Office						
† Institutional - Intensive (a/c)						
† Institutional - Extensive (a/c)						
† Institutional - Intensive (w/o a/c)						
† Institutional - Extensive (w/o a/c)						
Industrial - Service						
Industrial - Manufacturing						
Industrial - Extractive						
Transportation/Utilities						
Agricultural						
Recreational - Golf						
Recreational - Sports Arena or Stadium						
Recreational - Parks						
Recreational - Water						
Forests, Wildlife Habitats						

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

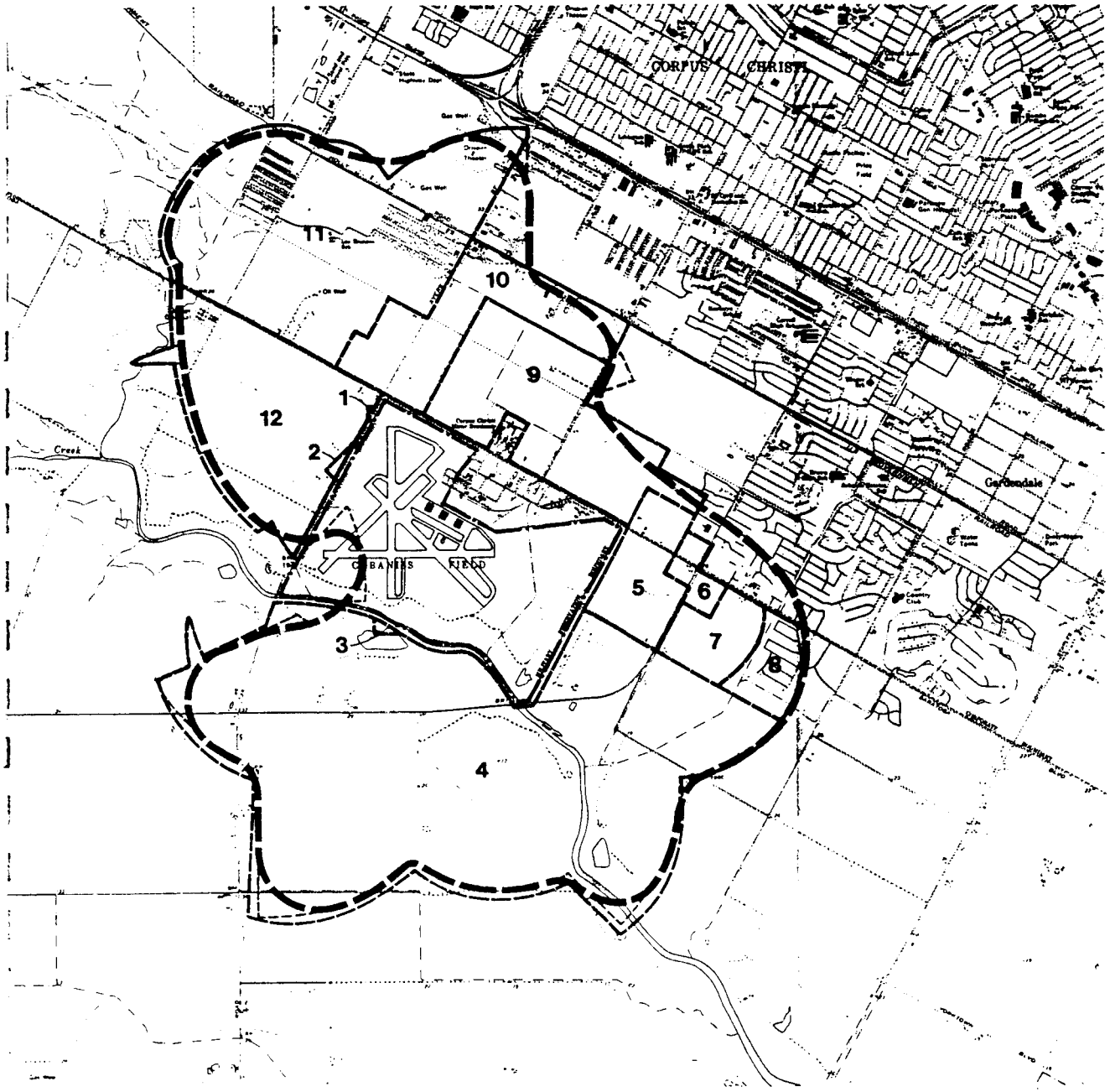
No New Development

Restricted Development

No Restrictions

Land use objectives

Exhibit 1.4



Legend

- Installation boundary
- SPA boundary
- Limit of AICUZ

NORTH

Scale in feet
0 2000 4000 6000
0 1/2 1 2
Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit I.6

PA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
1	A	Agricultural		One owner	None known	No developed use	Agricultural	- Pass Airport Zoning Regulations for NALF Cabaniss to exclude obstructions within the extra hazard area (1000 feet from end of runway)
2	A	Agricultural		Two owners principally	None known	No developed use	Agricultural	- Same as above
3	A	Agricultural		One owner	None known	No developed use	Agricultural	- Same as above
4	C-3, C-2, C-1, 2	Agricultural use		Multiple	None known	Agricultural	Agricultural	- Zone newly annexed territory as F-R, farm-rural - For comprehensive planning occuring for this area, appropriate low density residential or non-residential uses should be designated
5	C-1, 2	Light industrial park, agricultural use	I-2	Two owners principally	Industrial expansion	Industrial use	Industrial use	- Designate compatible industrial use in comprehensive plan
6	1	Vacant, in agricultural use	B-4, A-1	Multiple	Strong pressures for commercial development at intersection	Commercial use	Commercial use	- Designate compatible commercial use in comprehensive plan
7	2 & 1	Vacant, undeveloped	R-2, A-1	One owner/developer	Anticipated multi-family development	Multifamily development	Multifamily development	- Designate compatible multifamily use in comprehensive plan Amend building code to include sound attenuation requirements Require disclosure statements for plats in high noise exposure areas

NAS Cabaniss
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit I.7

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
8	2	Single family subdivision, limited undeveloped areas	R-1B	Multiple	Infilling of subdivision expected	Single family with air conditioning	Single family with air conditioning	- Designate compatible single family use in comprehensive plan - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in CNR-3 and CNR-2.
9	C-2, C-1, 2, 1	Scattered rural residences agricultural use	R-1B	Multiple	Limited pressures for development given unavailable sewer service	Agricultural	Agricultural	- Designate compatible agricultural use in comprehensive plan - Rezoning from R-1B to R-E to ensure low density single family development - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in high noise exposure areas.
10	C-3, C-2, C-1	Industrial development; scattered rural residences	I-2, R-1B	Multiple	Strong pressures for development at intersection of Ayers and Saratoga	Industrial	Industrial	- Designate compatible industrial use in comprehensive plan - Rezoning R-1B to I-2
11	C-2, C-1, 2	Single family subdivision scattered rural residences, Agricultural use	R-1B, I-2, A-1	Multiple	None known	Agricultural Industrial Commercial	Agricultural Industrial Commercial	- Designate compatible agricultural, industrial and commercial uses in comprehensive plan - Rezoning from R-1B to R-E to ensure low density single family development with noise zone disclosure required - Amend building code to include sound attenuation requirements - Require disclosure statements for plats lying in high noise exposure areas
12	C-3, C-2, C-1, 2	Sanitary land fill, scattered rural residences		Multiple	None known	Agricultural	Agricultural	- Zone newly annexed territory for F-R farm-rural - For comprehensive planning occurring for this area, appropriate low density residential or non-residential uses should be designated.

NALF Cabaniss
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit I.7

Note	All	development activities in the vicinity of NAS				urbanists should additionally be subjected to the following:		
		- Discretionary location of community facilities, especially schools, - Capital improvements programming sensitive to AICUZ compatible development near installation, - Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ program and to monitor development, - Awareness of noise exposure as a factor in conventional mortgage review by local lending institutions.						

Land use control plan for special planning areas, AICUZ

Exhibit I.7

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
	Location of noise complaints
	Installation boundary
	Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit IV.1

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit IV.3

Legend

CNR ZONES

1 2 3

ACCIDENT POTENTIAL ZONES

C

B

A

Installation boundary

Limit of AICUZ

NORTH

Scale in statute miles

0 1/2 1

0 .5 1 2

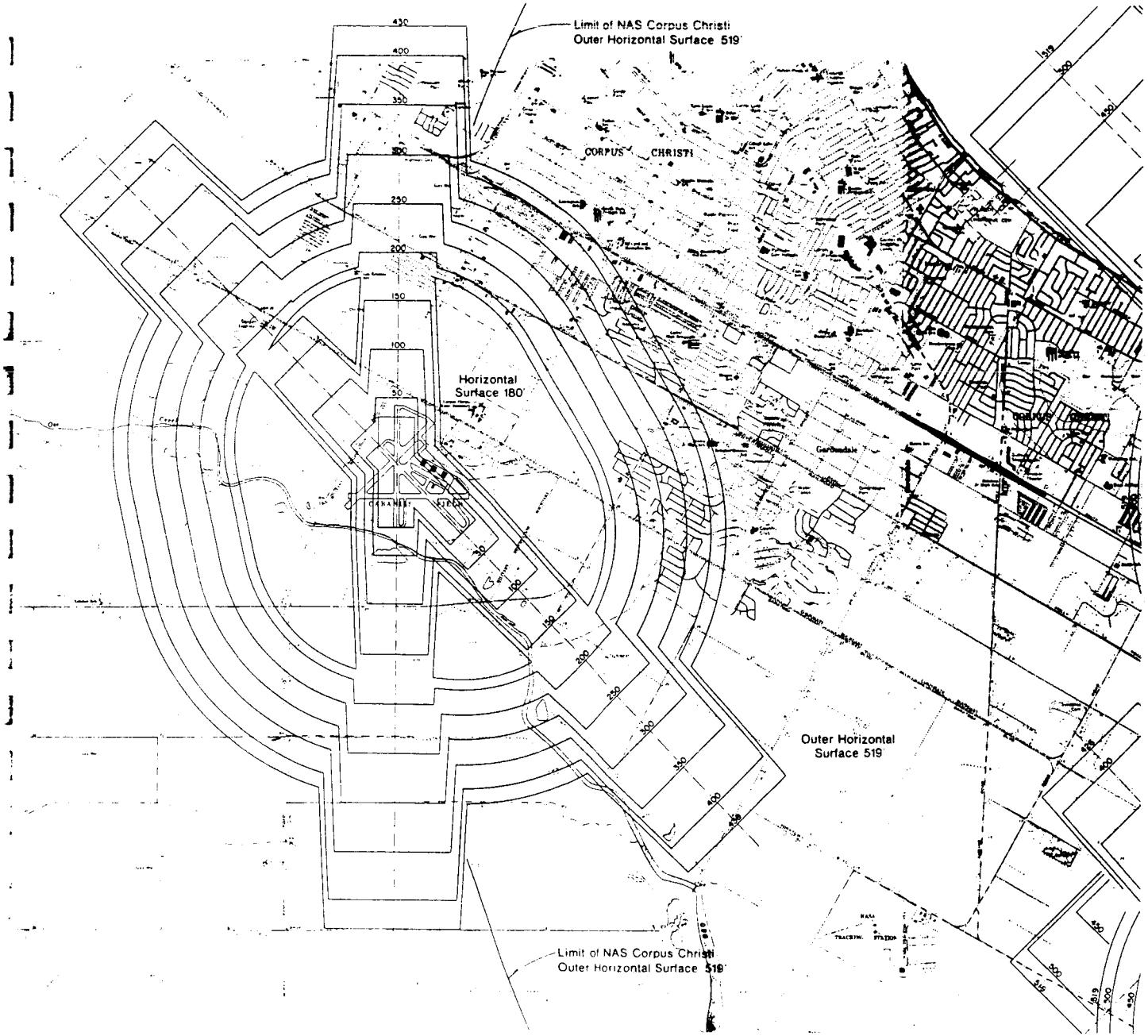
Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit IV.5

HOWARD NEEDLES TAMMEN & BERGENDOFF



NORTH

Scale in statute miles

0 1/2 1 2

0 1 2 3

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Imaginary surfaces

Exhibit IV.7

Legend

- (R) Single family residential
- Multi-family residential
- Mobile homes
- Institutional
- Parks and recreational
- (C) Commercial
- Industrial
- Agriculture/pasture
- Incompatible use
- Limit of composite zones
- Limit of AICUZ
- Installation boundary
- ▲ Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles
0 1/4 1/2 3/4 1
0 .5 1 1.5 2
Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Incompatible land use, AICUZ

Exhibit V.2

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)	▨	▨	⁘		▨	⁘
Residential Mobile Homes (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (a/c) (≤1 unit/acre)	▨	▨			▨	⁘
Residential-Single family (a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (w/o a/c) (≤1unit/acre)	▨	▨	⁘		▨	⁘
Residential-Single family (w/o a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Multi-family (≤10% ground coverage)	▨	▨			▨	
Residential-Multi-family (>10% ground coverage)	▨	▨	⁘	⁘	▨	
Commercial - Resort	▨	▨	⁘	⁘	▨	⁘
Commercial - Retail	▨	⁘			⁘	
Commercial - Wholesale	▨	⁘			⁘	
Commercial - Office	▨	⁘			⁘	
† Institutional - Intensive (a/c)	▨	⁘	⁘	⁘	⁘	
† Institutional - Extensive (a/c)	▨	⁘			⁘	
† Institutional - Intensive (w/o a/c)	▨	▨	⁘	⁘	▨	⁘
† Institutional - Extensive (w/o a/c)	▨	▨	⁘		▨	⁘
Industrial - Service	▨					
Industrial - Manufacturing	▨					
Industrial - Extractive	▨					
Transportation/Utilities	▨					
Agricultural						
Recreational - Golf	▨					
Recreational - Sports Arena or Stadium	▨					
Recreational - Parks	▨	⁘			⁘	
Recreational - Water	▨	⁘			⁘	
Forests, Wildlife Habitats	▨					

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

▨ No New Development

⁘ Restricted Development

☐ No Restrictions

Land use objectives

Exhibit V.1

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

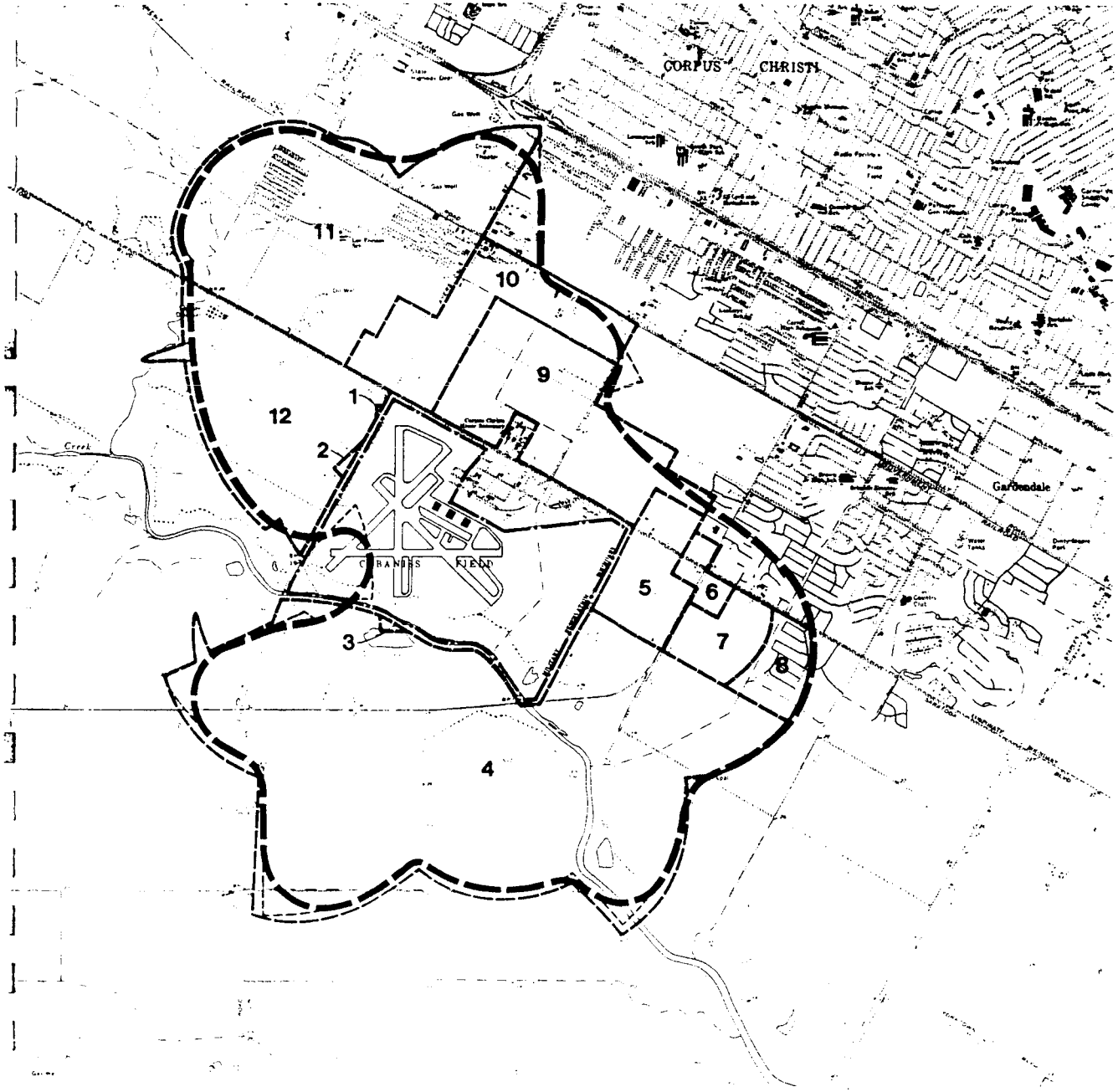
0 .5 1 1.5 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit V.4



Legend

- Installation boundary
- SPA boundary
- Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Cabaniss,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit V.5

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	1. RESIDENTIAL									
112	Single Family			1,2	2		1,2	2		1
113	Two-Four Family			1,2	2		1,2	2		1
114	Multi-Family Apts.			1,2	2		1,2	2		1
12	Group Quarters			1,2	2		1,2	2		1
13	Residential Hotels			1,2	2		1,2	2		1
14	Mobile Home Parks or Courts			1,2	2		1,2	2		1
15	Transient Lodging			1,2	2	1,2	1,2	2	1	1
	2 and 3. MANUFACTURING									
21	Food & Kindred Products		3,4	4	4	3			3	
22	Textile Mill Products		3,4	4	4	3			3	
23	Apparel & Similar Products		3,4	4	4	3			3	
24	Lumber & Wood Products		3,4	4	4	3			3	
25	Furniture & Fixtures		3,4	4	4	3			3	
26	Paper & Allied Products		3,4	4	4	3			3	
27	Printing & Publishing		3,4	4	4	3			3	
28	Chemicals & Allied Products		3,4	4	4	3			3	
29	Petroleum Refining & Related Industries								3	
31	Rubber & Plastic Products		3,4	4	4	3			3	
32	Stone, Clay, & Glass		3,4	4	4	3			3	
33	Primary Metal Industries		3,4	4	4	3			3	
34	Fabricated Metal Products		3,4	4	4	3			3	
35	Professional & Scientific Instruments		3,4	4	4	3	3		3	3

1-4: See notes on pages following this chart

No New Development

Restricted New Development

No Restrictions

Land use objectives amplified

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	4. TRANSPORTATION, COMMUNICATION & UTILITIES									
41	R.R.,and Rail Transportation									
42	Motor Vehicle Transportation									
44	Marine Craft Transportation									
45	Hwy. & St. Right Of Way									
46	Automobile Parking									
47	Communications		3	3		3	3		3	3
48	Utilities	7								
	5. TRADE									
51	Wholesale Trade		4	4	4					
52	Retail Trade-Bldg. Materials, Hdw. & Farm Eqt		4	4	4	3			3	
53	Retail Trade-Gen. Mdse.		3,4	3,4	4	3			3	
54	Retail Trade - Food		3,4	3,4	4	3			3	
55	Retail Trade-Automotive Marine Craft, Aircraft		3,4	3,4	4	3			3	
56	Retail Trade-Apparel & Accessories		3,4	3,4	4	3			3	
57	Retail Trade-Furniture, Home Furnishings, & Equip.		3,4	3,4	4	3			3	
58	Retail Trade-Eating & Drinking					3			3	
	6. SERVICES									
61	Finance, Insurance, & Real Estate Services		4,8	4	4	8			8	
62	Personal Services		4,8	4	4	8			8	
63	Business Services		4,8	4	4	8			8	
64	Repair Services		3,4	4	4	3			3	
651	Medical & Health Services			4	4		8		8	
652-9	Professional Services		4,8	4	4	8			8	
66	Contract Construction Services									
671	Government Offices		4,8	4	4	8			8	

3-8: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
674	Correctional Institutions			1,2	2		1,2	2		1
675	Military Installations		9	9	9	9	9	9	9	9
68	Educational Services					4	4	4		4
691	Religious Activities		4,8	4	4	8			8	
	7. CULTURAL ENTERTAINMENT AND RECREATION									
711	Cultural Activities			4,8	4		8			8
712	Nature Exhibits		10	10	10	10	10		10	10
721	Entertainment Assembly						11	11		11
722	Sports Assembly					11	11	11	11	11
723	Public Assembly (Auditoriums)			4,8	4		8			8
73	Amusements (Outdoor)									
741	Sports Activities									
743-4	Water Based Activities									
75	Resorts & Group Camps									
761	Playgrounds & Neighborhood Parks		12	12	12	12			12	
762-4	Community Parks		12	12	12	12			12	
	8. RESOURCE PRODUCTION AND EXTRACTION									
814	Agricultural Except Livestock									
815-17	Livestock Farming, Animal Breeding		13			13			13	
82	Agricultural Related Activities									
83	Forestry Activities & Related Services									
84	Fishing Activities & Related Services									
85	Mining Activities & Related Services									
	9. UNDEVELOPED LAND AND WATER AREAS									
91	Undeveloped, Unused Land, Excluding Non-Commercial Forests									
92	Non-Commercial Forests									
93	Water Areas									

1-13: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

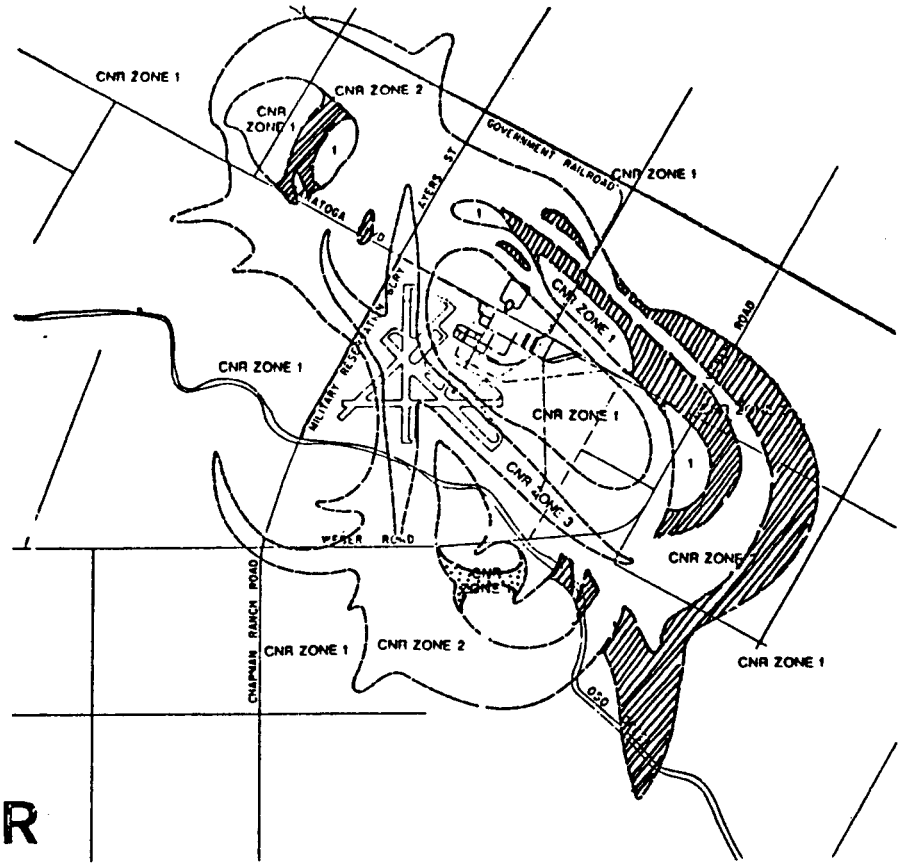
Land use objectives amplified (continued)

Exhibit G.1

Station: NALF Cabaniss

Operational Change Description: Establish Runway 17 as the noise abatement runway with an allowable cross wind component suitable for trainee pilots: establish a system to monitor the use of this runway.

Factor	Evaluation
Changes in CNR Zones	CNR-3 toward Weber Road contracts by approximately 50 acres of farmland and removes 2 farm rural residences from the most intense noise zone. The major improvement occurs east of Weber where the apartment complex at Weber and Saratoga and about 150 single family homes and townhouses are removed from CNR-2. The 40 single family homes in the Schanen Estates development west of Weber are similarly improved. One church and the Fred B. Sanders school are now excluded from CNR-2. North and east of the field the CNR-2 contour decreases by about 500 acres of farmland.
Changes in APZ Zones.	No significant change.
Operational Difficulty of Implementation	None known - at 10 knots crosswind the change would increase utilization at R/W 17 from 20 to 30% and reduce R/W 13 from 52 to 42% without difficulty.
Operational Costs of Implementation	None
Summary and Decision	Implement. There are no costs and few difficulties involved in implementing this change. Substantial community benefit is achieved by the reduction in CNR-3 and CNR-2.



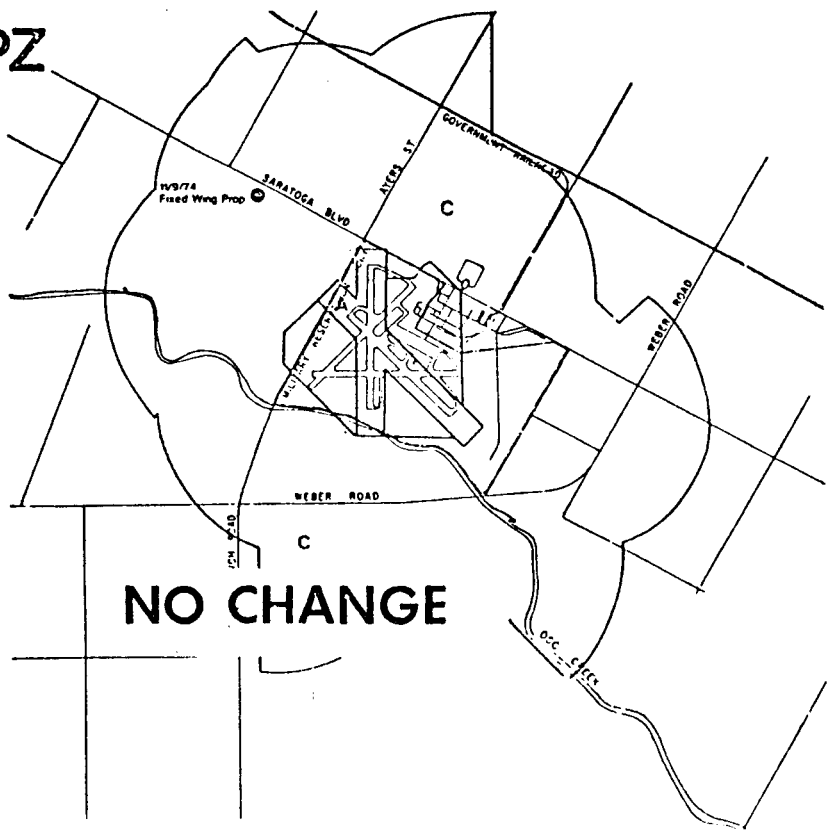
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

APZ

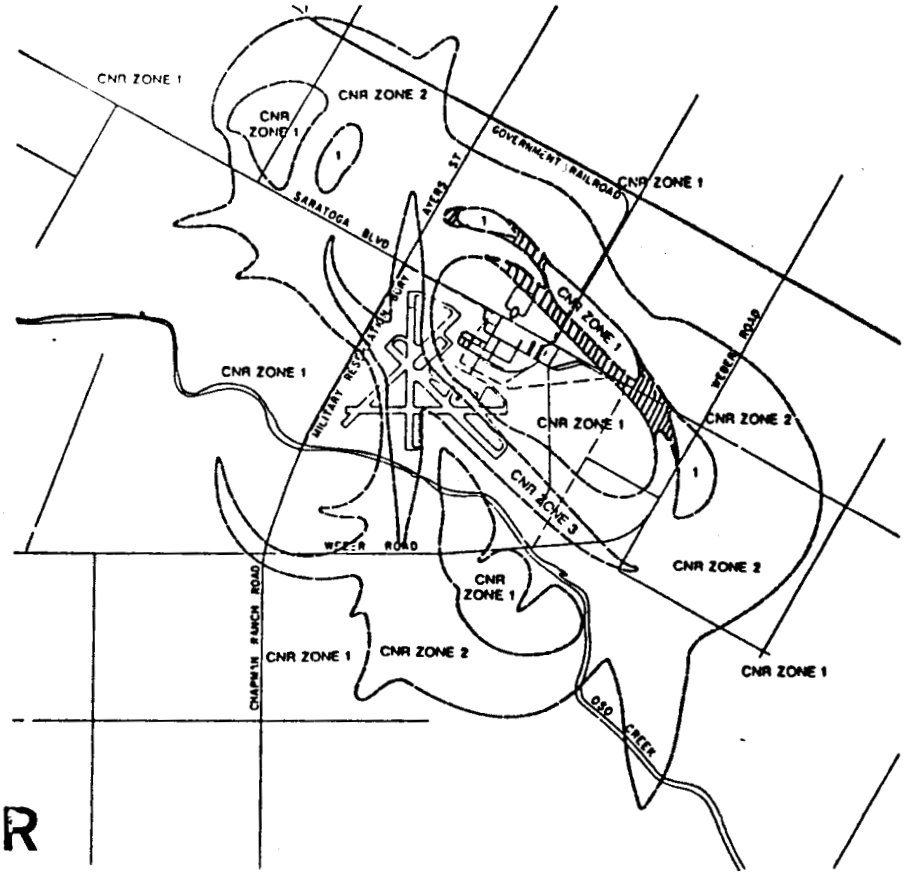


NO CHANGE

Station: NALF Cabaniss

Operational Change Description: Raise the pattern altitude to 600 feet AGL.

Factor	Evaluation
Changes in CNR Zones	Minor change: CNR-2 coverage diminishes by approximately 75 acres and improves the noise environment for one church and the Minor Seminary. The major area of conflict is not diminished at all.
Changes in APZ Zones	Significant improvement; APZ C shrinks substantially, but the area of development and strong continuing developer interest now lies outside APZ C.
Operational Difficulty of Implementing	The 600 ft. AGL altitude is standard with the fleet. No difficulty in implementation.
Operational Costs of Implementing	$6600 per annum. Additional flying time in climb and descent for each go-around.
Summary and Decision.	Implement. Major decreases in the extent of APZ "C." This change entails some operational difficulty to implement but results in only small additional annual costs of $6,600.



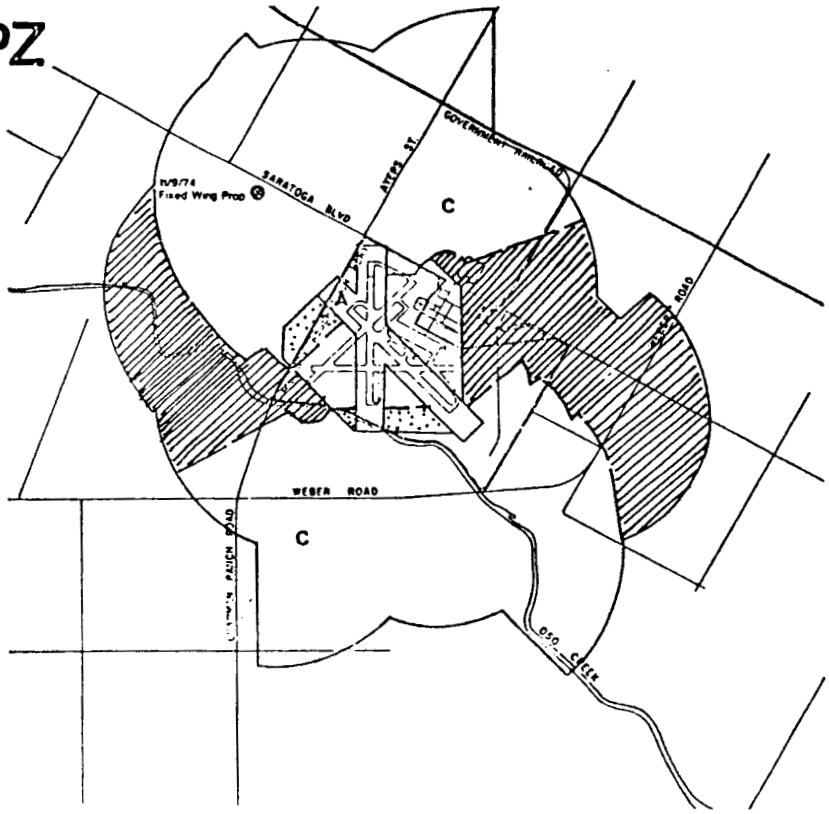
CNR

Decreased exposure

Increased exposure

NALF Cabaniss, Corpus Christi, Texas

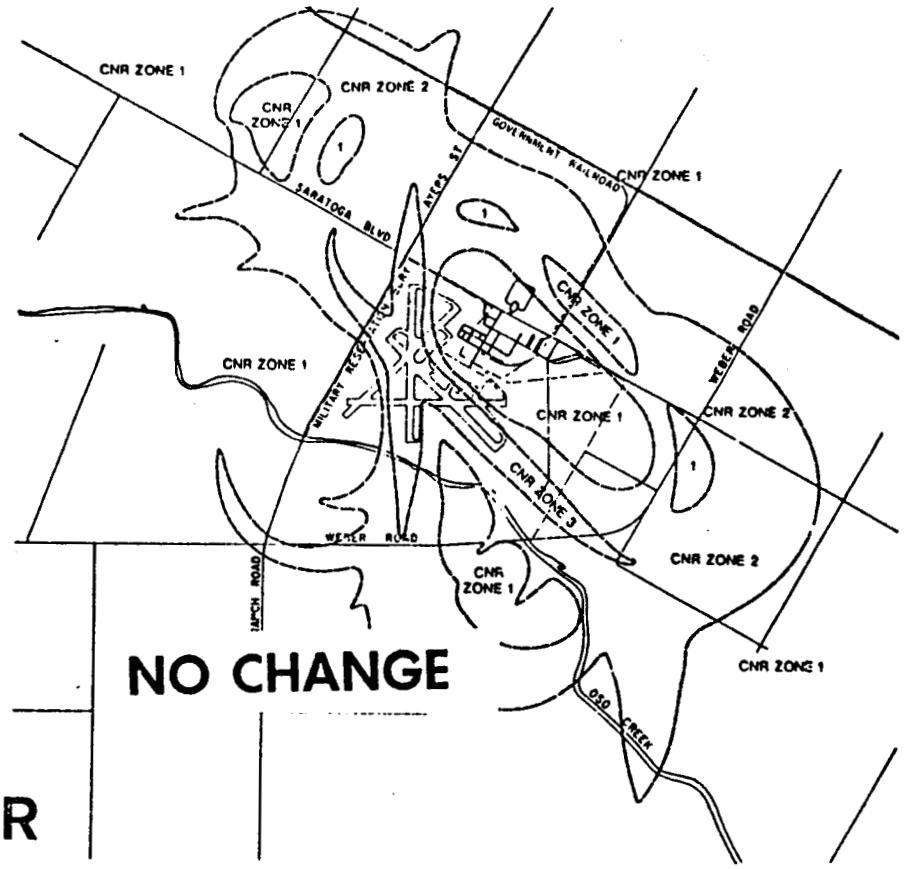
APZ



Station: NALF Cabaniss

Operational Change Description: Use Cabaniss at weekends only when this is operationally essential. Transfer these operations to NAS Corpus Christi.

Factor	Evaluation
Changes in CNR Zones	Insignificant. One secondary effect of moving weekend operations could be a reduced appreciation of the actual noise environment by prospective residents of the Cabaniss vicinity. Most of the real-estate sales and rental activity takes place at weekends when, under normal conditions, the level of air activity is low. The public would be more aware of the presence or absence of weekend operations than the shift in CNR Zones would indicate.
Changes in APZ Zones	None
Changes in community implementation actions	None
Operational difficulty of implementation	The procedure is already official policy. Weekend flying at Cabaniss occurs approximately one weekend in six when weather or other factors necessitate. Rescheduling at NAS should present no problems.
Operational costs of implementation	Savings of $1,300 per annum
Summary and Decision	Implement State the procedure more positively in the operations manual as official policy.



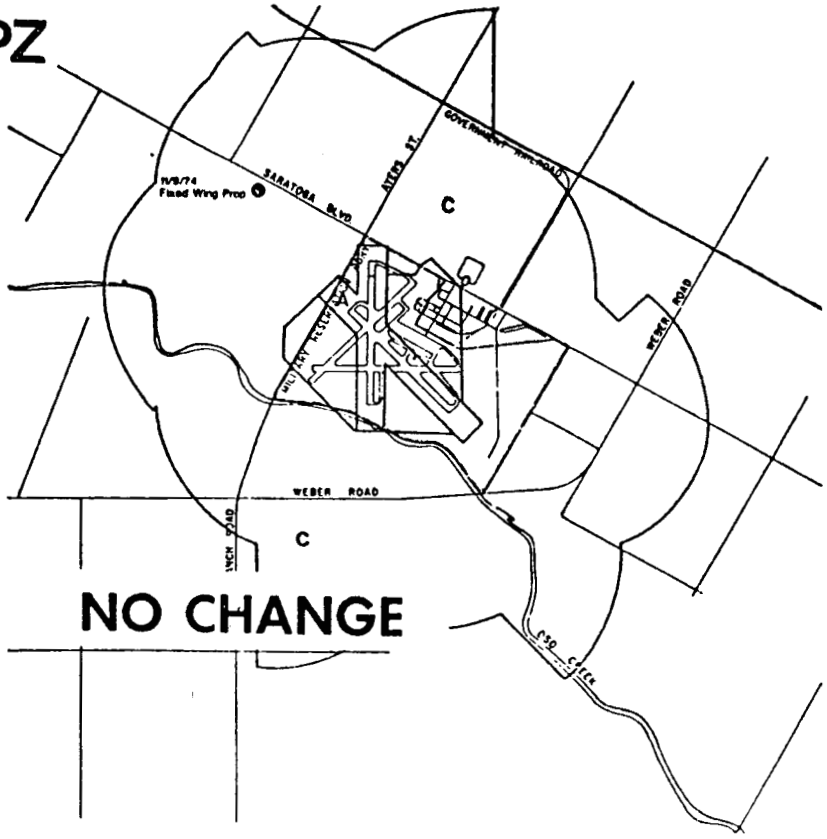
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

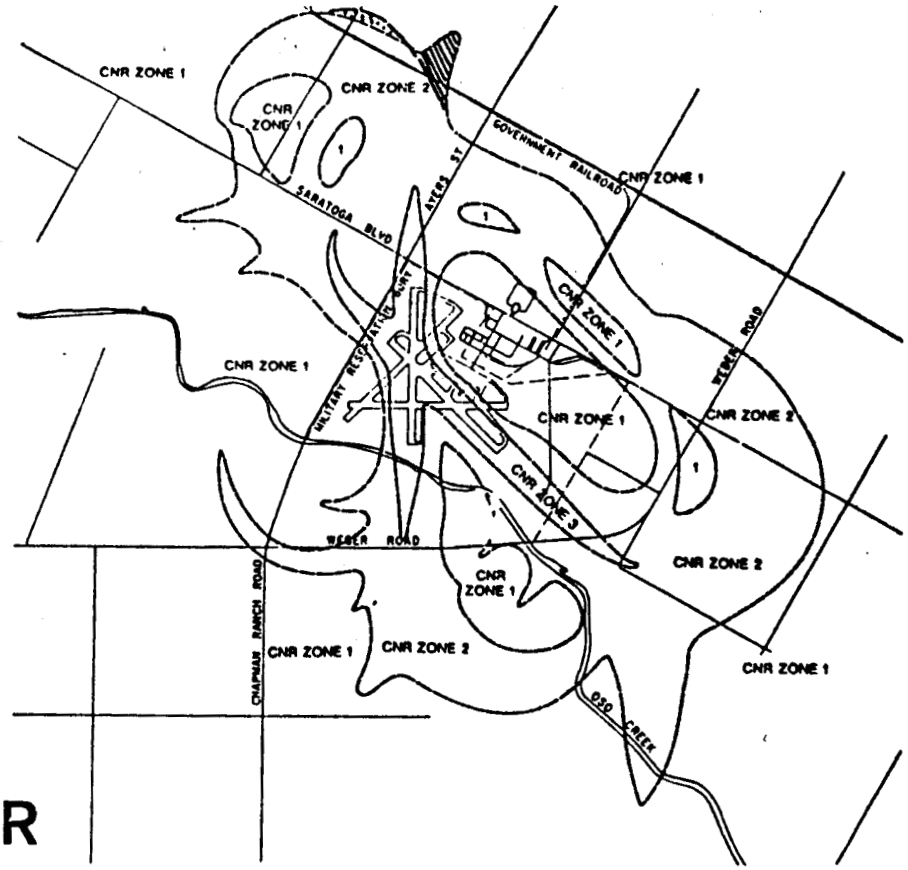
APZ



Station: NALF Cabaniss

Operational Change Description: Establish departure patterns to south and west with a climb to 2000' before returning to NAS Corpus Christi.

Factor	Evaluation
Changes in CNR Zones	Marginal improvement in CNR 2 exposure just west of Ayers -- removes five or six single family homes from CNR 2 contour. Industrial land uses would also lie outside contour.
Changes in APZ Zones	No significant effect.
Operational difficulty of implementing	None
Operational costs of implementing	$28,000 per annum. Additional flying time in climb, transit, and descent between Cabaniss and NAS.
Summary and Decision	Implement Make the change a formal part of operational procedure.



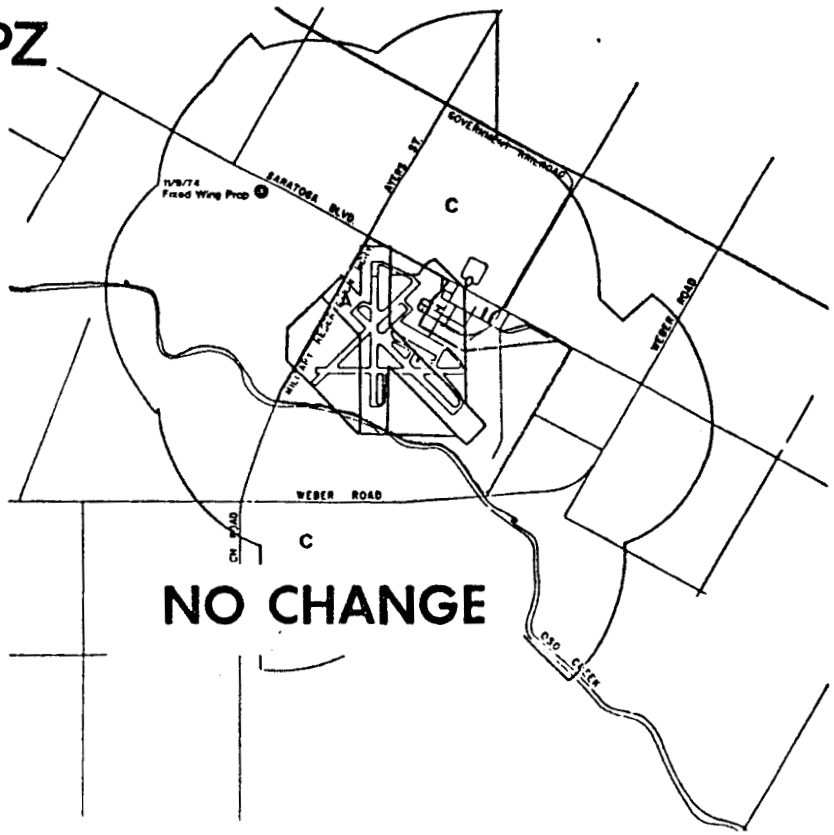
CNR

Decreased exposure

Increased exposure

NALF Cabaniss,
Corpus Christi, Texas

APZ



NO CHANGE

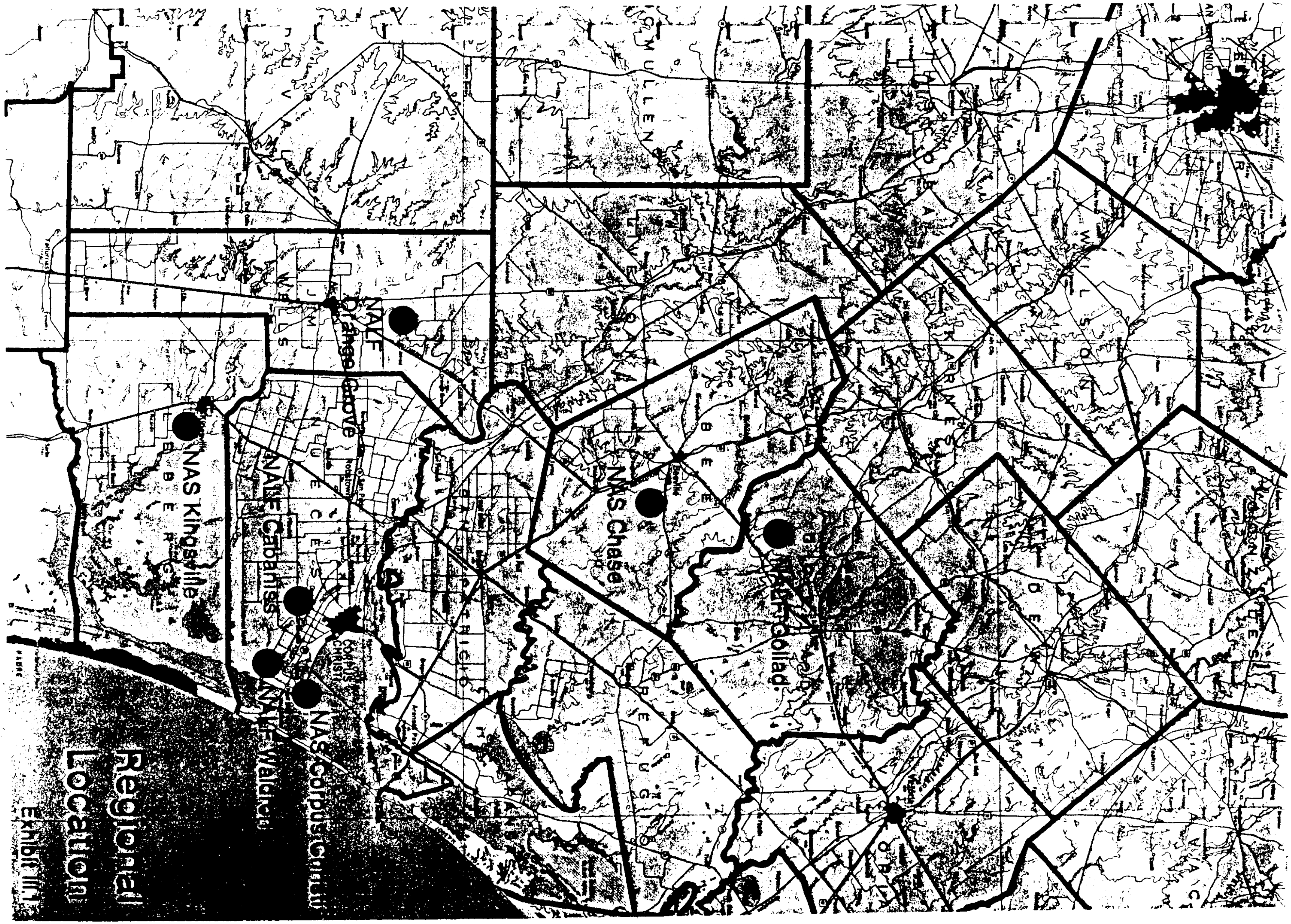
AICUZ

Air Installation Compatible Use Zones

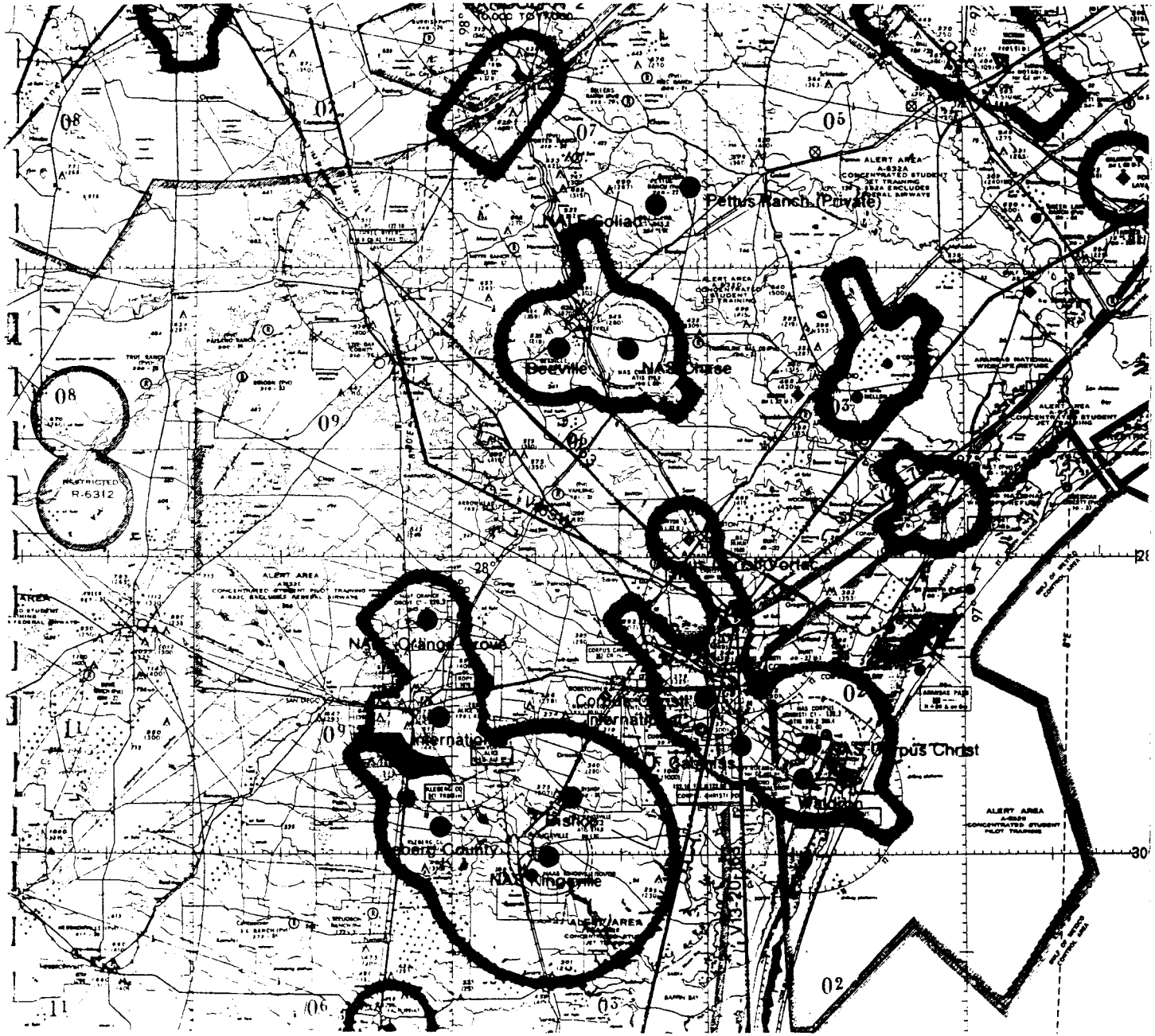
NALF Waldron
Corpus Christi, Texas

Southern Division - Naval Facilities Engineering Command
Charleston, South Carolina

Howard, Needles, Tammen & Bergendoff Architects/Engineers/Planners
Dallas, Texas



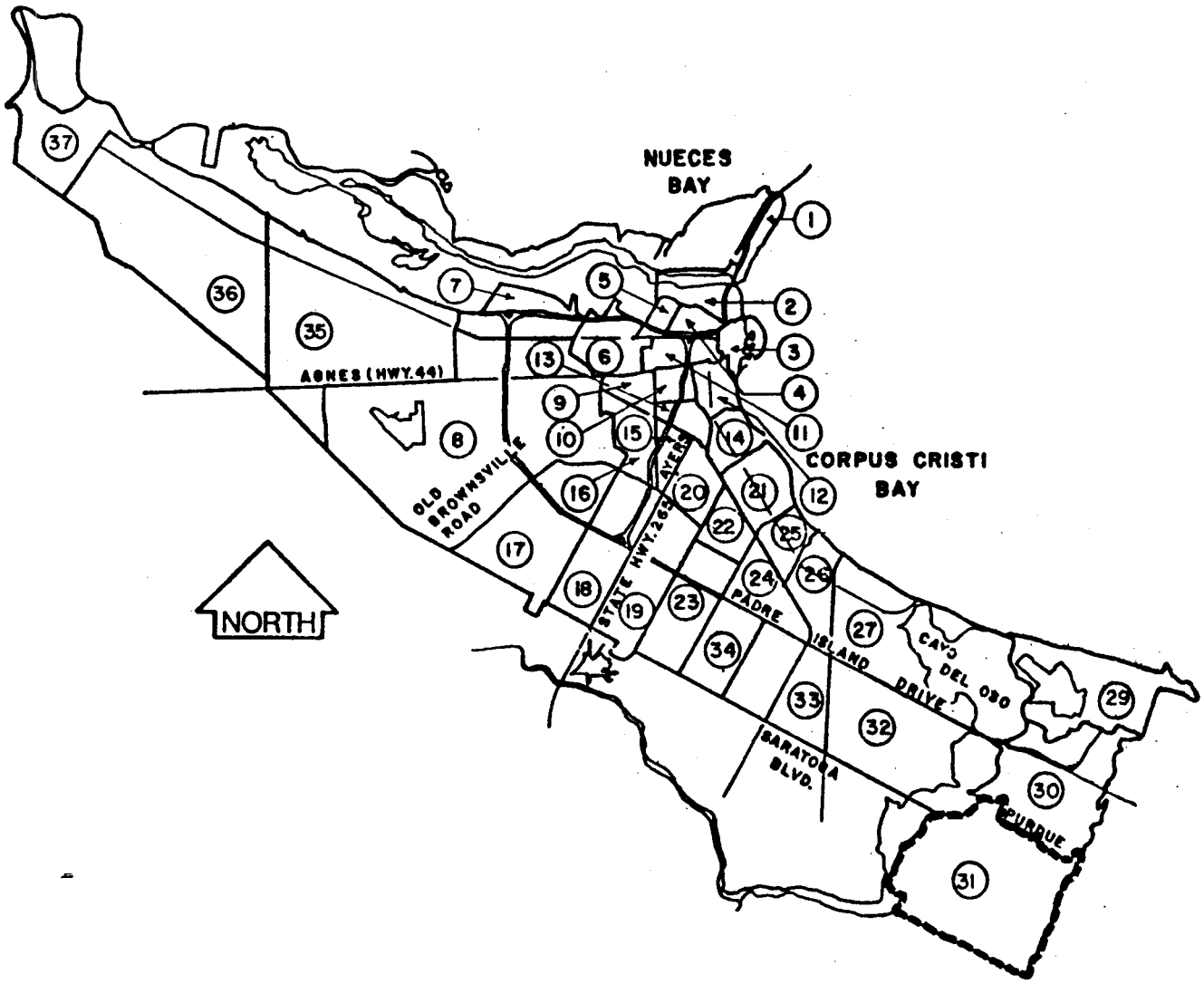
AICUZ Air Installation Compatible Use Zones Study



Corpus Christi region, Texas

Airport system

Exhibit III.11

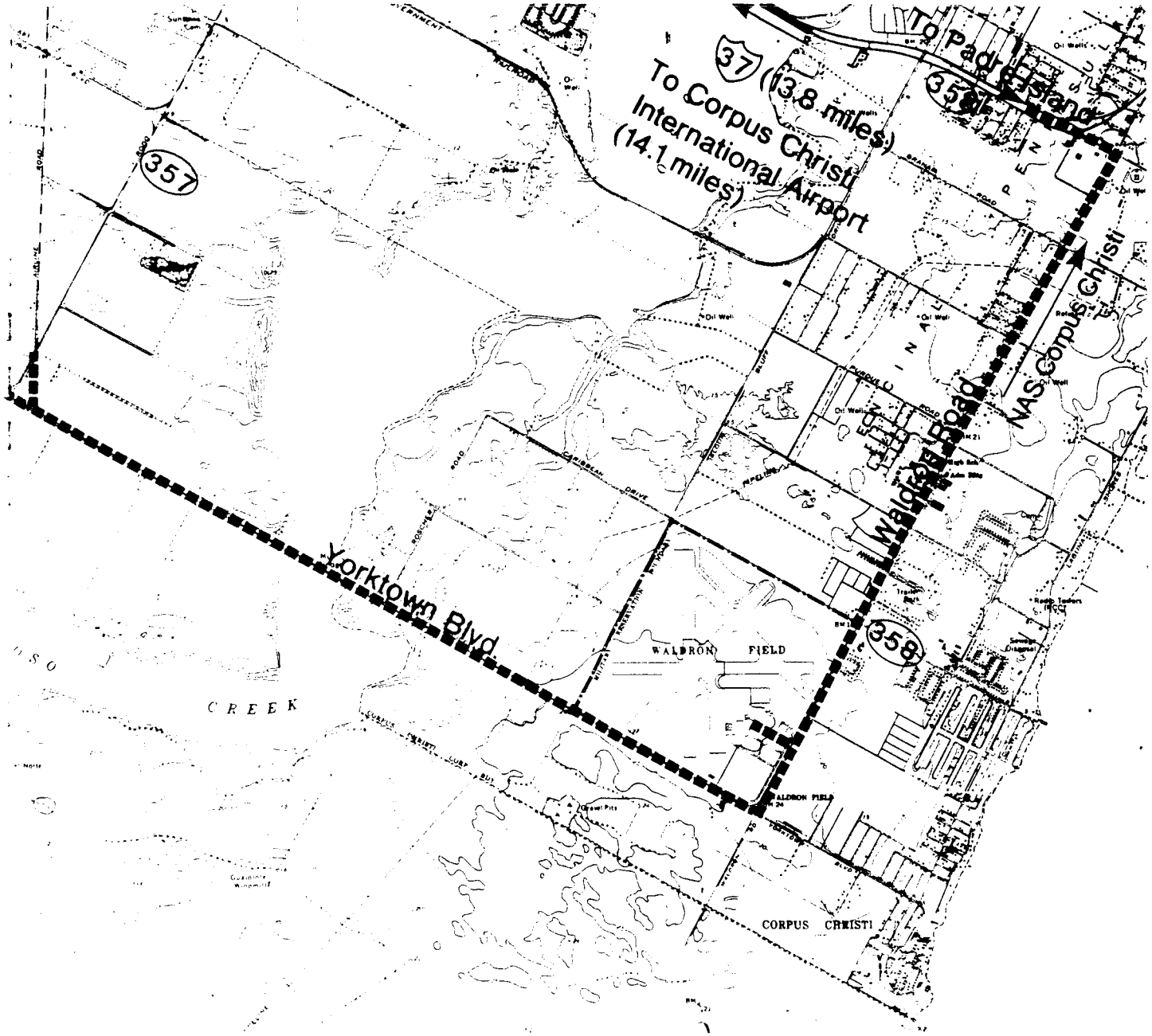


City of Corpus Christi, Texas

NALF Waldron Vicinity

1970 Census tracts

Exhibit III.3



HOWARD NEEDLES TAMMEN & BERGENDOFF

Installation boundary

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

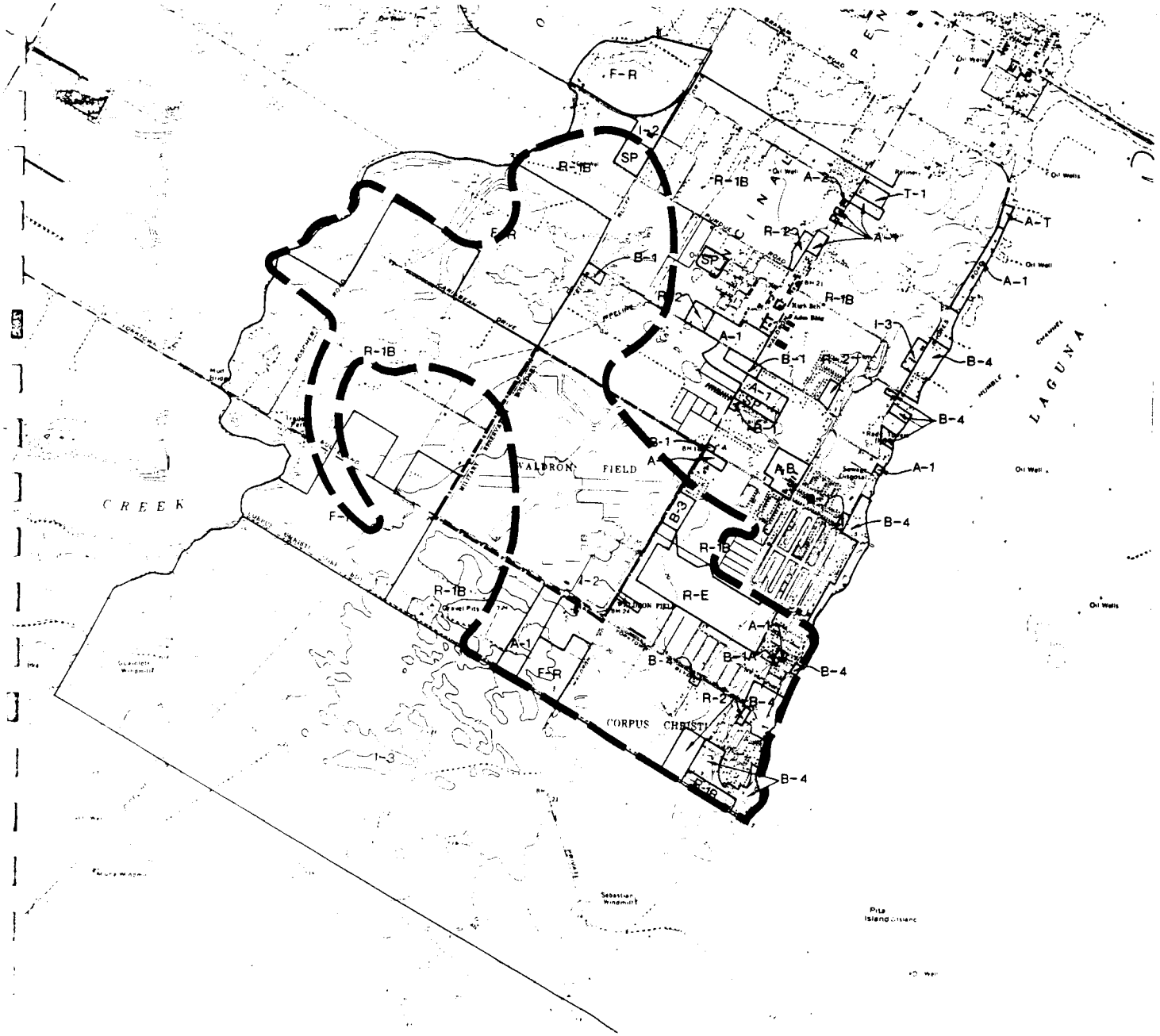
0 5 1

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Vicinity and access map

Exhibit III.2



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

F-R	Farm-rural district
R-E	Residential estate district
R-1B	One-family dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AT	Apartment-tourist district
AB	Professional office district
B-1A	Tourist court district
B-1	Neighborhood business district
B-3	Shopping center district
B-4	General business district
I-2	Light industrial district
I-3	Heavy industrial district
SP	Special permit
—·—	Installation boundaries
▬ ▬	Limit of AICUZ

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5 6 7

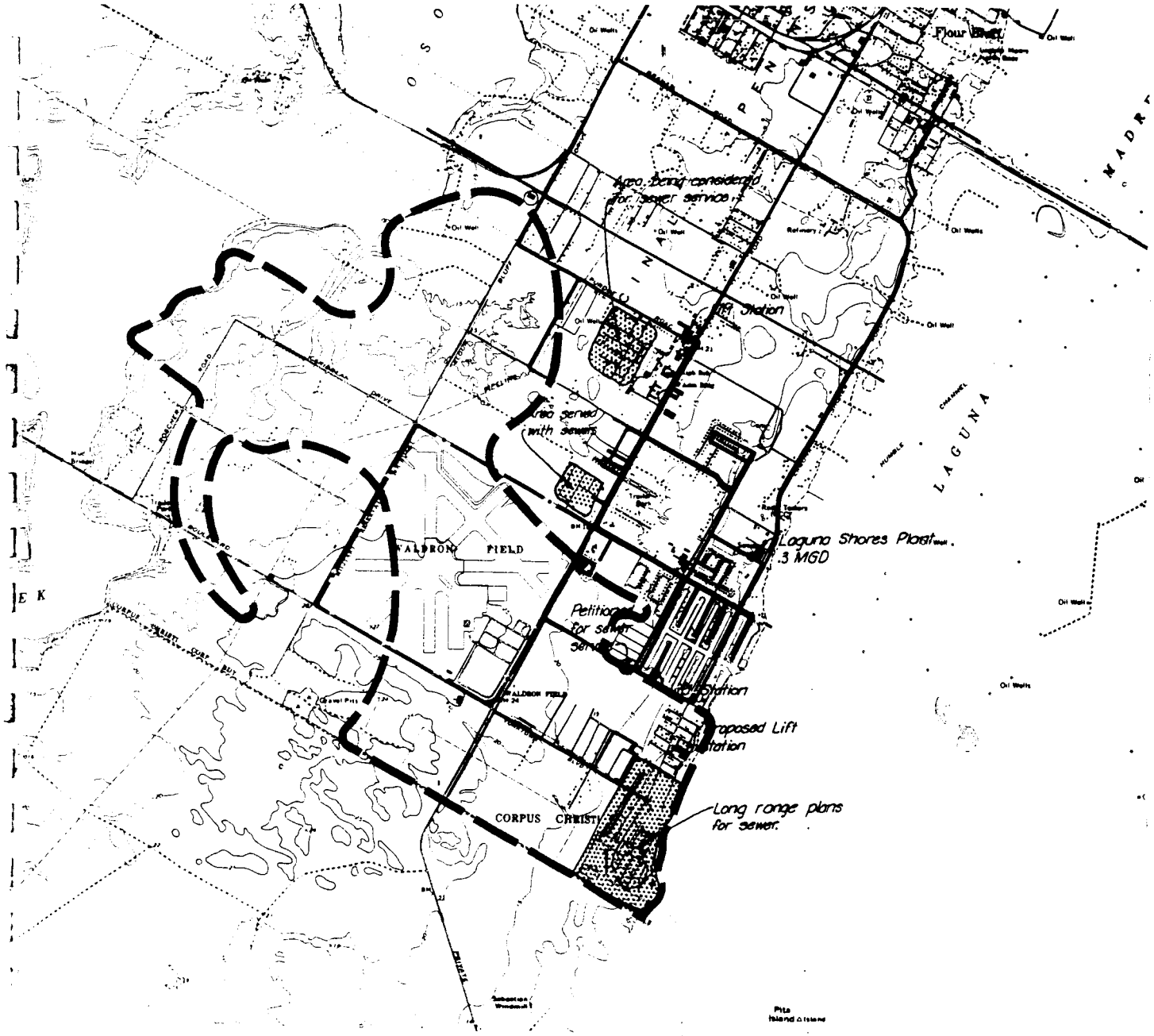
0 .25 .5 .75 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Existing zoning

Exhibit III.5



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- Existing water system
- Existing sanitary sewer system

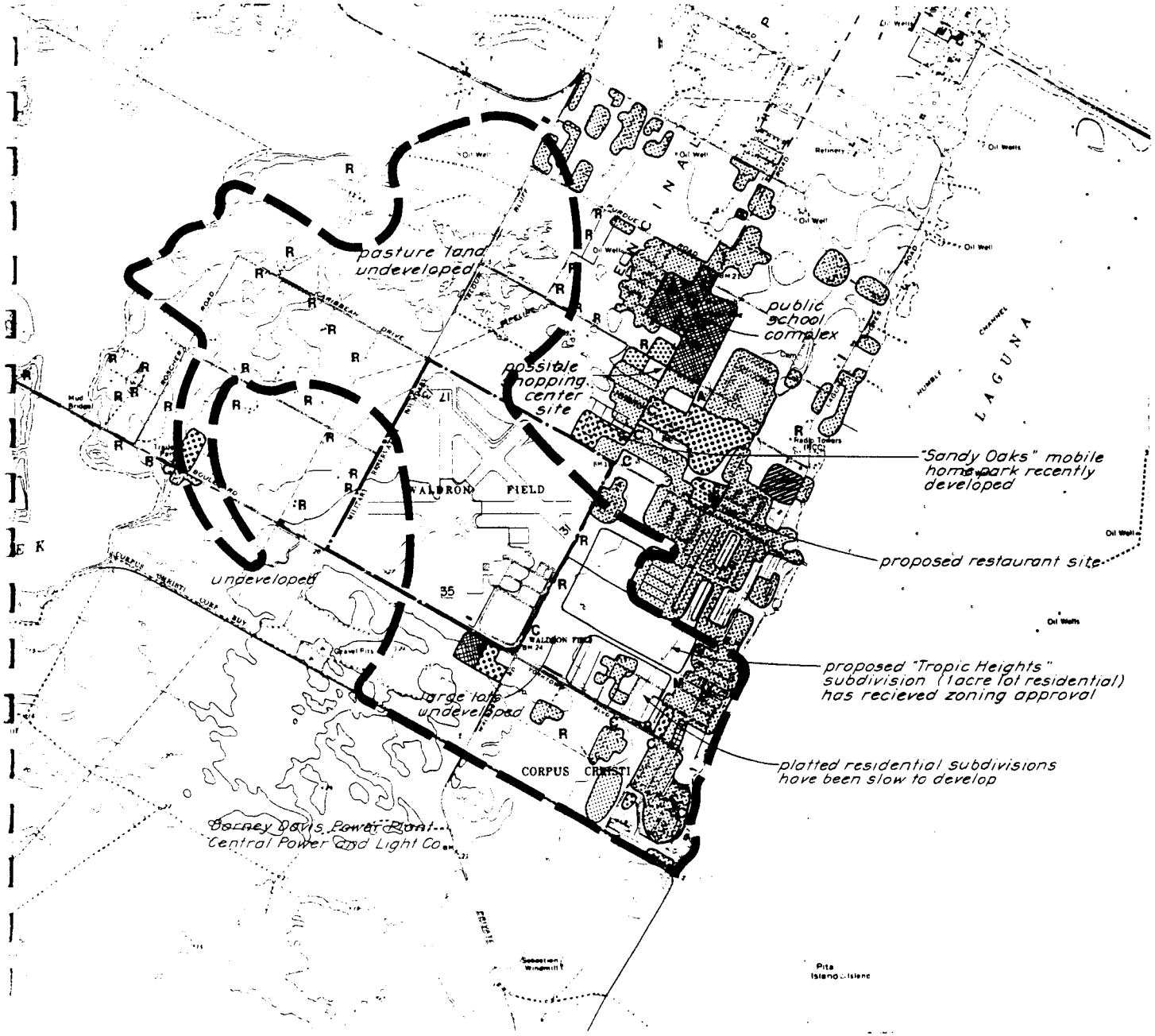
NORTH

Scale in thousands of feet
0 1/2 1 2 3 4 5 6
0 .25 .5 .75 1 2
Scale in kilometers

NALF Waldron
Corpus Christi, Texas

Water and sewer systems

Exhibit III.6



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- (R) Single family residential
- (A) Multi-family residential
- (M) Mobile homes
- Institutional
- (C) Commercial
- Industrial
- Agriculture/pasture
- Installation boundary
- Limit of AICUZ
- Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

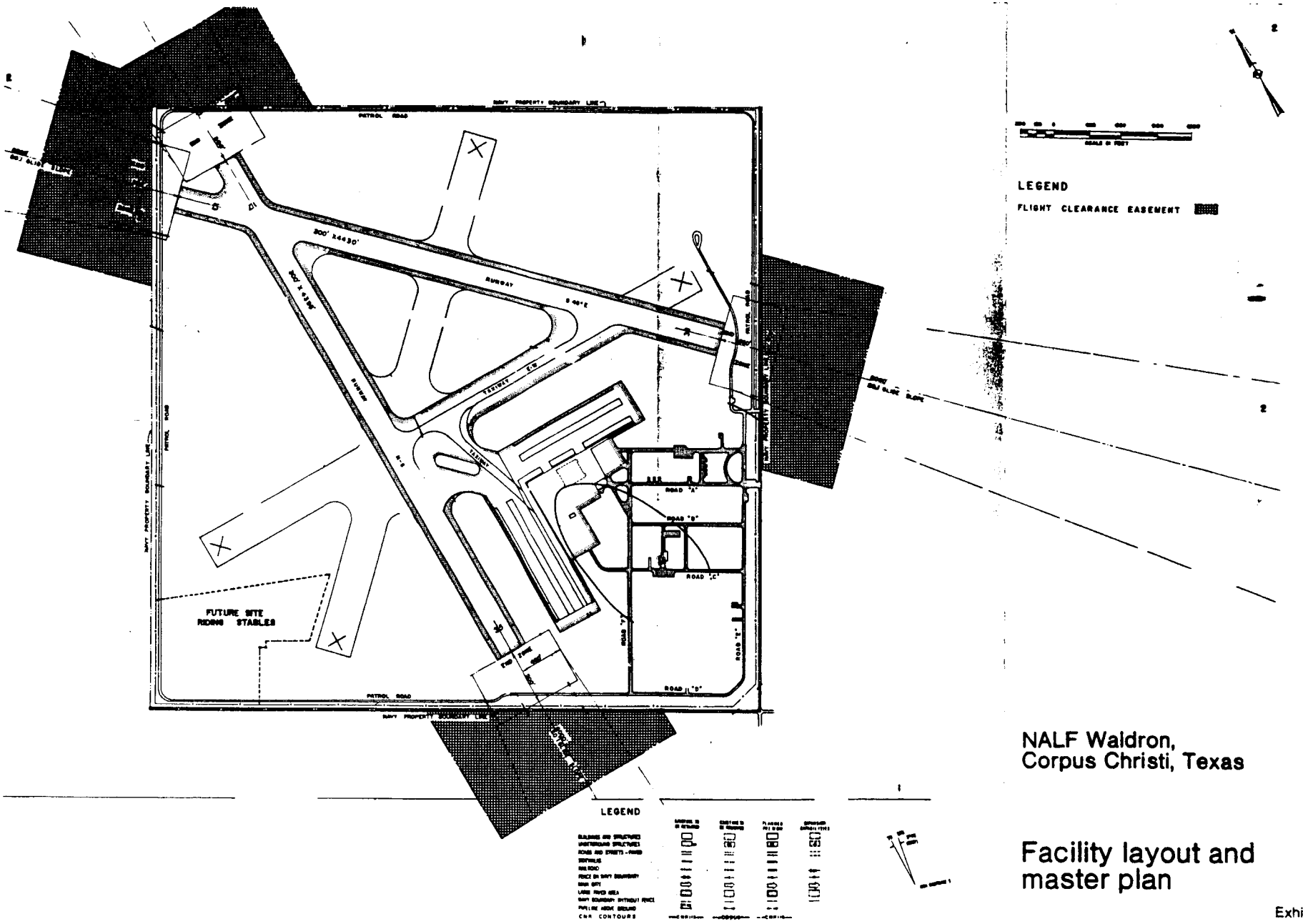
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Existing land use and development trends

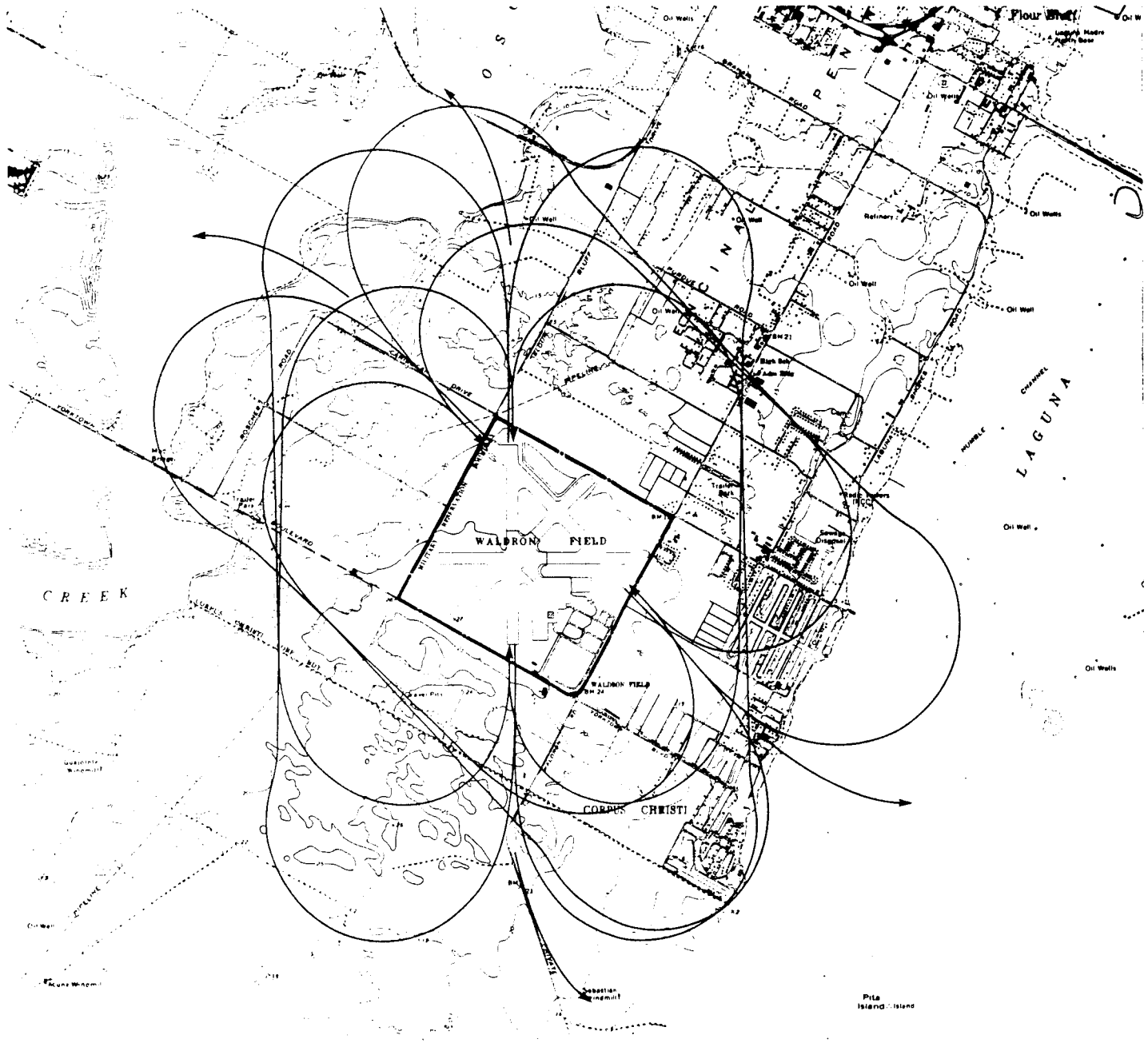
Exhibit III.4



NALF Waldron,
Corpus Christi, Texas

Facility layout and master plan

Exhibit III.7



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

NORTH

Scale in thousands of feet

0 1 2 3 4 5 6

0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Representative traffic patterns

Exhibit III.10

Legend

CNR ZONES

1 2 3

ACCIDENT POTENTIAL ZONES

C

B

A

Installation boundary

Limit of AICUZ

NORTH

Scale in statute miles

0 1/2 1

0 .5 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Composite zones
and AICUZ

Exhibit IV.5

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Accident potential zones (APZ)

A

C

Aircraft crash sites

Installation boundary

NORTH

Scale in feet

0 1,000 2,000 3,000 4,000 5,000

0 .5 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

APZ's and aircraft accidents, AICUZ

Exhibit IV.3

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

CNR	Composite noise ratings
	CNR zone 1
	CNR zone 2
	CNR zone 3
●	Location of noise complaints
—·—	Installation boundary

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

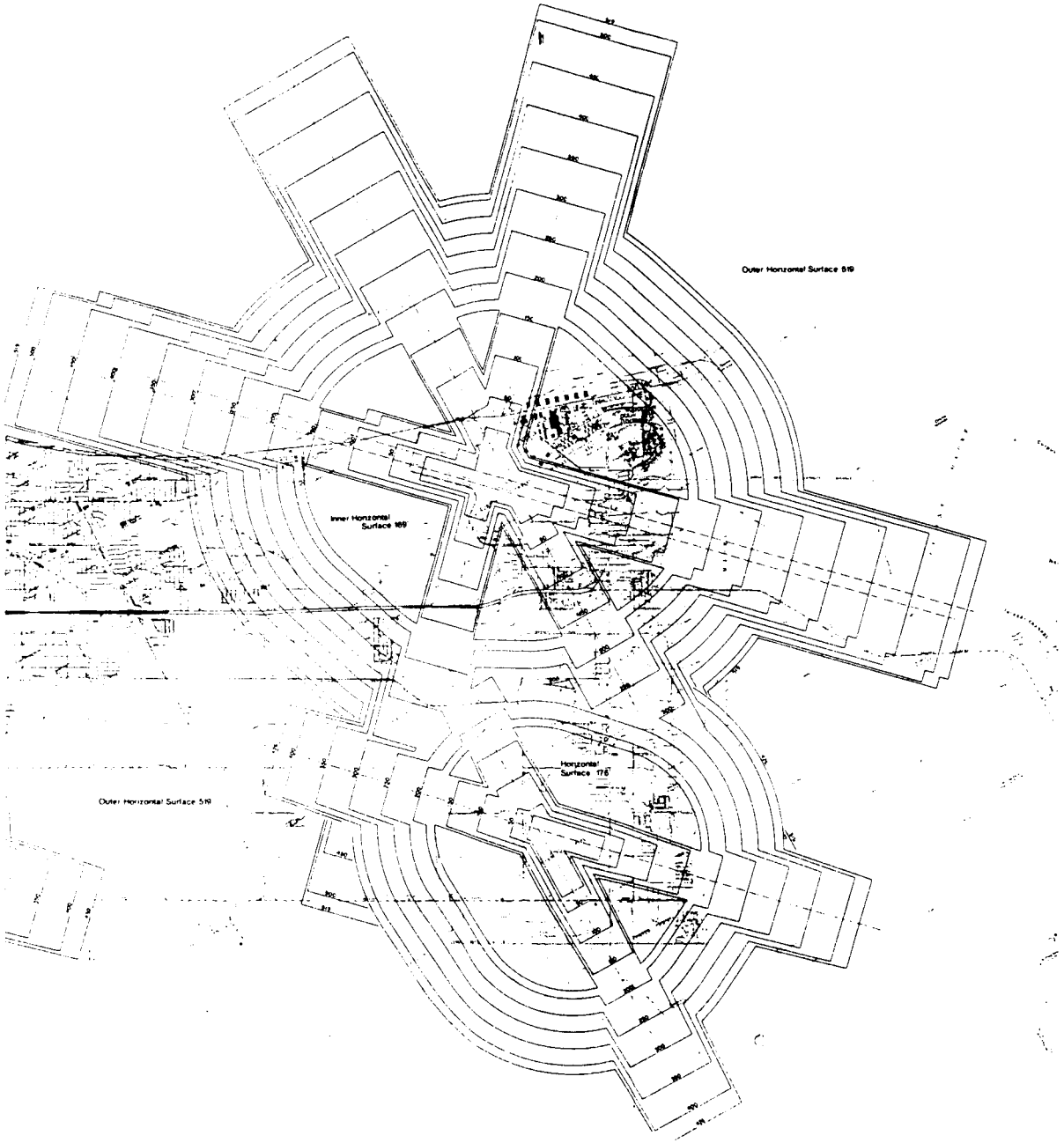
Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

CNR's
and noise complaints,
AICUZ

Exhibit IV.1

HOWARD NEEDLES TAMMEN & BERGENDOFF



NORTH

Scale in statute miles

0 1/2 1 2 3

0 .5 1 2 3 4

Scale in kilometers

NALF Waldron
Corpus Christi, Texas

Imaginary surfaces

Exhibit IV.7

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

- (R) Single family residential
- (A) Multi-family residential
- (M) Mobile homes
- Institutional
- (C) Commercial
- Industrial
- Agriculture/pasture
- Incompatible use
- Limit of composite zones
- Limit of AICUZ
- Installation boundary
- ▲ Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

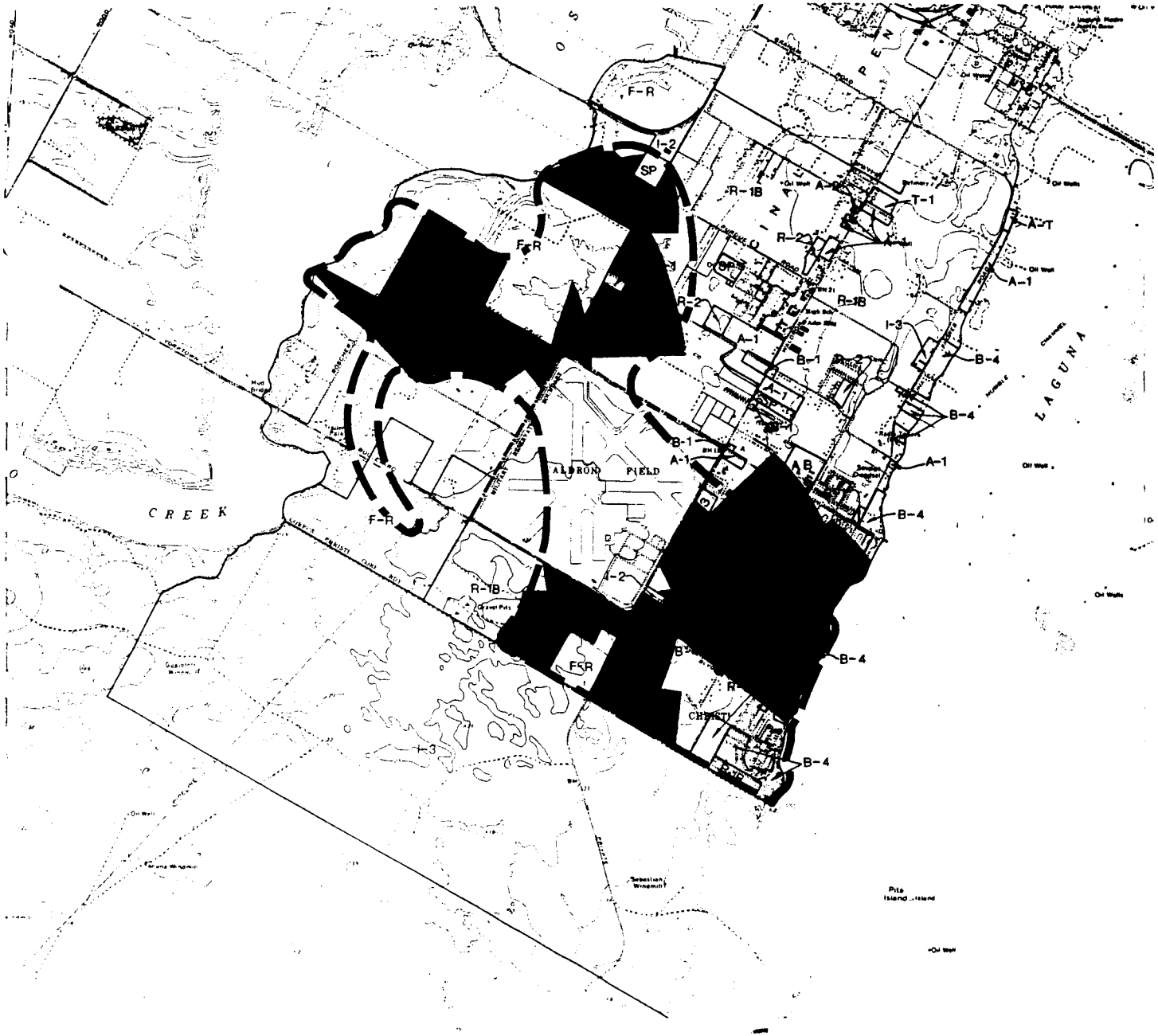
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Incompatible land use, AICUZ

Exhibit V.2



Legend

F-R	Farm-rural district
R-1B	One-family dwelling district
T-1	Travel trailer park, mobile home park and mobile home subdivision district
A-1	Apartment house district
A-2	Apartment house district
AT	Apartment-tourist district
AB	Professional office district
B-1A	Tourist court district
B-1	Neighborhood business district
B-4	General business district
1-2	Light industrial district
1-3	Heavy industrial district
SP	Special permit
—·—	Installation boundaries
■	Incompatible zoning
▬	Limit of AICUZ

NORTH

Scale in thousands of feet

0 1/2 1 2 3 4 5 6 7

0 .25 .5 .75 1 2

Scale in kilometer

NALF Waldron,
Corpus Christi, Texas

Incompatible zoning, AICUZ

Exhibit V.3

Land use	COMPOSITE AICUZ ZONES					
	A	C-3	C-2	C-1	3	2
Residential-Mobile Homes (≤1 unit/acre)	▨	▨	⁘		▨	⁘
Residential Mobile Homes (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (a/c) (≤1 unit/acre)	▨	▨			▨	⁘
Residential-Single family (a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Single family (w/o a/c) (≤1unit/acre)	▨	▨	⁘		▨	⁘
Residential-Single family (w/o a/c) (>1 unit/acre)	▨	▨	⁘	⁘	▨	⁘
Residential-Multi-family (≤10% ground coverage)	▨	▨			▨	
Residential-Multi-family (>10% ground coverage)	▨	▨	⁘	⁘	▨	
Commercial - Resort	▨	▨	⁘	⁘	▨	⁘
Commercial - Retail	▨	⁘			⁘	
Commercial - Wholesale	▨	⁘			⁘	
Commercial - Office	▨	⁘			⁘	
† Institutional - Intensive (a/c)	▨	⁘	⁘	⁘	⁘	
† Institutional - Extensive (a/c)	▨	⁘			⁘	
† Institutional - Intensive (w/o a/c)	▨	▨	⁘	⁘	▨	⁘
† Institutional - Extensive (w/o a/c)	▨	▨	⁘		▨	⁘
Industrial - Service	▨					
Industrial - Manufacturing	▨					
Industrial - Extractive	▨					
Transportation/Utilities	▨					
Agricultural						
Recreational - Golf	▨					
Recreational - Sports Arena or Stadium	▨					
Recreational - Parks	▨	⁘			⁘	
Recreational - Water	▨	⁘			⁘	
Forests, Wildlife Habitats	▨					

a/c indicates air conditioning

† Medical, Educational and Religious Facilities

▨ No New Development

⁘ Restricted Development

□ No Restrictions

Land use objectives

Exhibit V.1

HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

EXISTING	COMPATIBLE	
		(R) Single family res.
		Multi-family res.
		(M) Mobile homes
		Institutional
		Parks and recreational
		(C) Commercial
		Industrial
		Agriculture/ pasture
		Installation boundary
		Limit of AICUZ
		Theaters, amphitheaters, stadiums

NORTH

Scale in statute miles

0 1/4 1/2 3/4 1

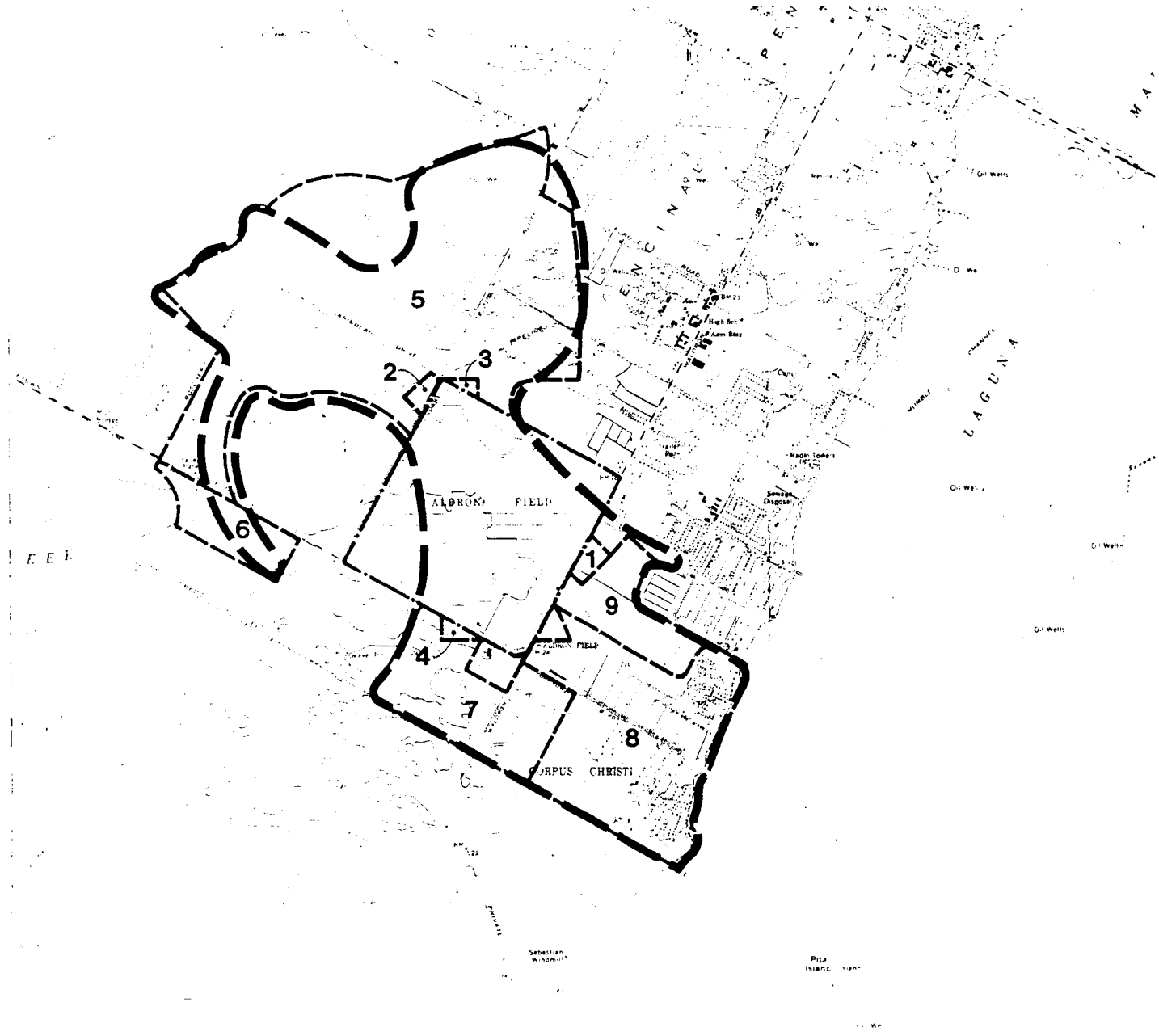
0 .5 1 1.5 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Compatible land use for undeveloped areas, AICUZ

Exhibit V.4



HOWARD NEEDLES TAMMEN & BERGENDOFF

Legend

Installation boundary

SPA boundary

Limit of AICUZ

NORTH

Scale in feet

0 2000 4000 6000

0 1/2 1 2

Scale in kilometers

NALF Waldron,
Corpus Christi, Texas

Special planning areas, AICUZ

Exhibit V.5

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
1	A	Undeveloped and residential	B-3	Single	Undeveloped land to commercial use	No developed use	Open space, agricultural	- Passage of Airport Zoning Ordinance for Waldron Field to prohibit structures within the extraterritorial area (1000 ft. from end of runway) - Designate compatible land use in comprehensive plan
2	A	Undeveloped and agricultural	R-1B	Single	None known	No developed use	Open space, agricultural	- Same as above
3	A	Undeveloped and agricultural	R-1B	Single	None known	No developed use	Open space, agricultural	- Same as above
4	A	Undeveloped and agricultural	R-1B, A-1	Multiple	None known	No developed use	Open space, agricultural	- Same as above
5	C-3, C-2, C-1, 2	Agricultural, pastureland, scattered farm residences, one small mobile home court	R-1B, F-R	Multiple	None known	Agricultural	Agricultural	- Designate compatible use in the comprehensive plan - Rezone undeveloped R-1B to R-E to limit density to one residential unit per acre - Amend building code to include noise attenuation - Require disclosure statement for property platted in noise zones CNR 2 and CNR-3.
6	2	Agriculture, limited roadside commercial	R-1B, F-R, B-4	Multiple	None known	Agricultural	Agricultural	- Same as above
7	C-3, C-2, C-1	Agricultural, small residential area	R-1B F-R A-1	Multiple	None known	Agricultural	Agricultural	- Same as above

NALF Waldron
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

SPA	AICUZ Zones	Existing Use	Existing Zoning	Property Ownership	Planned Use and Development Pressures	Most Compatible Use	Recommended Compatible Use	IMPLEMENTATION STRATEGY
8	C-3, C-2, C-1	Developed residential area toward the Laguna Madre, platted but undeveloped subdivisions, mobile home parks, seasonal homes	R-1B, R-2, B-4	Multiple	Undeveloped platted subdivisions anticipating single family homes when demand is strong and utilities are available	Continued agricultural use north of Yorktown Road	Agricultural north of Yorktown Road	- Designate compatible uses in the comprehensive plan - All new housing to be constructed to conform with noise attenuation and standards specified in an amended building code. - Require disclosure statement for property platted within noise exposure zones CNR-2 and CNR-3
9	C-3, C-2	Undeveloped, pastureland	R-1B, R-E	Single	Low density single family development (1 unit per acre)	Agricultural	Low density single family development	- Rezone undeveloped R-1B to R-E to limit density to one residential unit to the acre - Require disclosure statement for property platted in noise zones CNR-2 and CNR-3 - All new housing to be constructed to conform with noise attenuation standards specified in an amended building code

Notes: All development activities in the vicinity of NALF Waldron should additionally be subject to the following:

- Discretionary location of community facilities, especially schools,
- Capital improvements programming sensitive to AICUZ compatible development near installations,
- Awareness of noise exposure as a factor in conventional mortgage review by local lending institutions, and
- Community/Navy liaison group to extend public awareness of noise exposure and Navy AICUZ activities, and to monitor developments.

NALF Waldron
Corpus Christi, Texas

Land use control plan for special planning areas, AICUZ

Exhibit V.6

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	1. RESIDENTIAL									
112	Single Family			1,2	2		1,2	2		1
113	Two-Four Family			1,2	2		1,2	2		1
114	Multi-Family Apts.			1,2	2		1,2	2		1
12	Group Quarters			1,2	2		1,2	2		1
13	Residential Hotels			1,2	2		1,2	2		1
14	Mobile Home Parks or Courts			1,2	2		1,2	2		1
15	Transient Lodging			1,2	2	1,2	1,2	2	1	1
	2 and 3. MANUFACTURING									
21	Food & Kindred Products		3,4	4	4	3			3	
22	Textile Mill Products		3,4	4	4	3			3	
23	Apparel & Similar Products		3,4	4	4	3			3	
24	Lumber & Wood Products		3,4	4	4	3			3	
25	Furniture & Fixtures		3,4	4	4	3			3	
26	Paper & Allied Products		3,4	4	4	3			3	
27	Printing & Publishing		3,4	4	4	3			3	
28	Chemicals & Allied Products		3,4	4	4	3			3	
29	Petroleum Refining & Related Industries								3	
31	Rubber & Plastic Products		3,4	4	4	3			3	
32	Stone, Clay, & Glass		3,4	4	4	3			3	
33	Primary Metal Industries		3,4	4	4	3			3	
34	Fabricated Metal Products		3,4	4	4	3			3	
35	Professional & Scientific Instruments		3,4	4	4	3	3		3	3

1-4: See notes on pages following this chart

No New Development

Restricted New Development

No Restrictions

Land use objectives amplified

Exhibit G.1

Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
	4. TRANSPORTATION, COMMUNICATION & UTILITIES									
41	R.R.,and Rail Transportation									
42	Motor Vehicle Transportation									
44	Marine Craft Transportation									
45	Hwy. & St. Right Of Way									
46	Automobile Parking									
47	Communications		3	3		3	3		3	3
48	Utilities	7								
	5. TRADE									
51	Wholesale Trade		4	4	4					
52	Retail Trade-Bldg. Materials, Hdw. & Farm Eqt		4	4	4	3			3	
53	Retail Trade-Gen. Mdse.		3,4	3,4	4	3			3	
54	Retail Trade - Food		3,4	3,4	4	3			3	
55	Retail Trade-Automotive Marine Craft, Aircraft		3,4	3,4	4	3			3	
56	Retail Trade-Apparel & Accessories		3,4	3,4	4	3			3	
57	Retail Trade-Furniture, Home Furnishings, & Equip.		3,4	3,4	4	3			3	
58	Retail Trade-Eating & Drinking					3			3	
	6. SERVICES									
61	Finance, Insurance, & Real Estate Services		4,8	4	4	8			8	
62	Personal Services		4,8	4	4	8			8	
63	Business Services		4,8	4	4	8			8	
64	Repair Services		3,4	4	4	3			3	
651	Medical & Health Services			4	4		8		8	
652-9	Professional Services		4,8	4	4	8			8	
66	Contract Construction Services									
671	Government Offices		4,8	4	4	8			8	

3-8: See notes on pages following this chart

No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit G.1

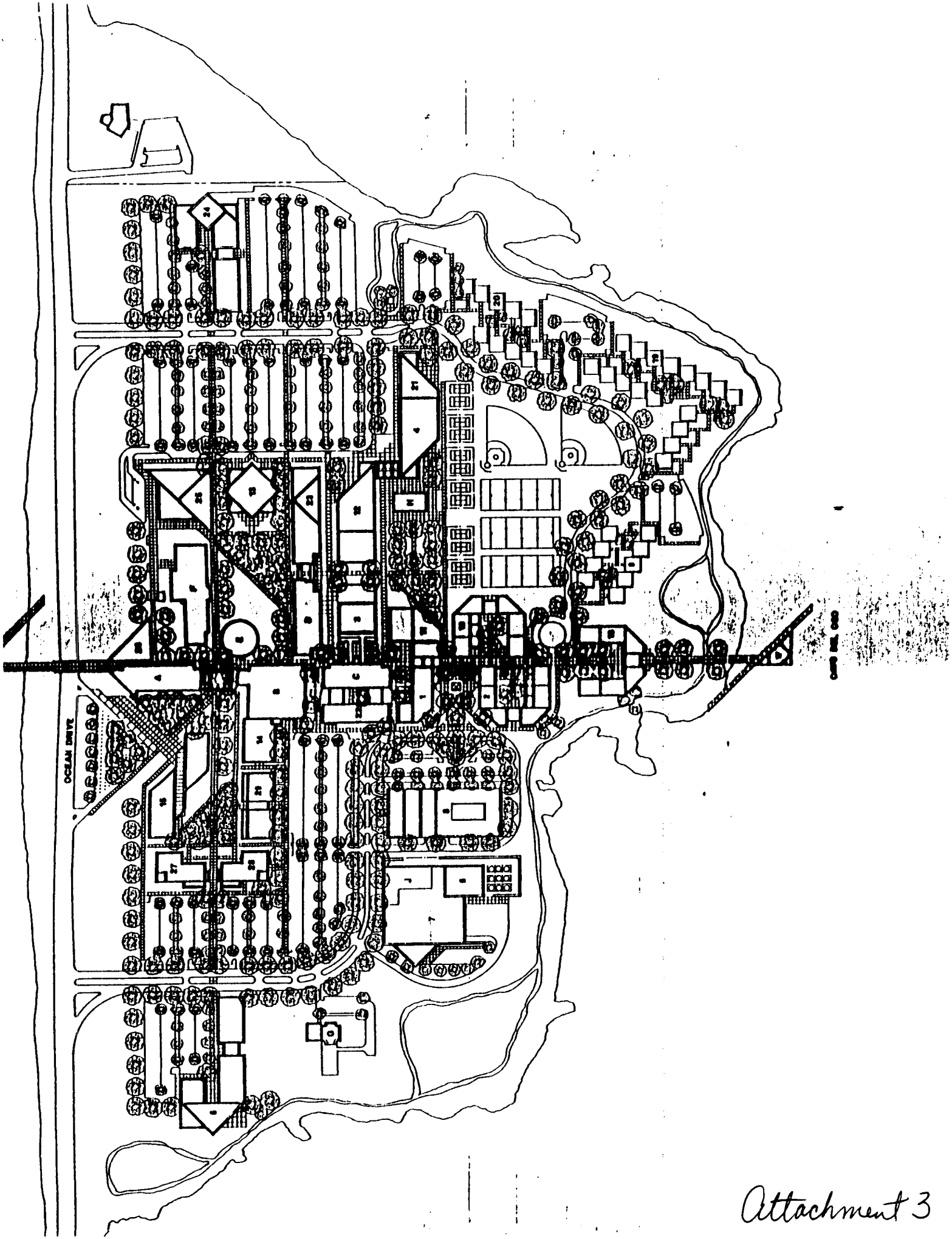
Land use		AICUZ ZONE								
SLUCM CODE	CATEGORY	A	B-3	B-2	B-1	C-3	C-2	C-1	3	2
674	Correctional Institutions			1,2	2		1,2	2		1
675	Military Installations		9	9	9	9	9	9	9	9
68	Educational Services					4	4	4		8
691	Religious Activities		4,8	4	4	8			8	
	7. CULTURAL ENTERTAINMENT AND RECREATION									
711	Cultural Activities			4,8	4		8			8
712	Nature Exhibits		10	10	10	10	10		10	10
721	Entertainment Assembly						11	11		11
722	Sports Assembly					11	11	11	11	11
723	Public Assembly (Auditoriums)			4,8	4		8			8
73	Amusements (Outdoor)									
741	Sports Activities									
743-4	Water Based Activities									
75	Resorts & Group Camps									
761	Playgrounds & Neighborhood Parks		12	12	12	12			12	
762-4	Community Parks		12	12	12	12			12	
	8. RESOURCE PRODUCTION AND EXTRACTION									
814	Agricultural Except Livestock									
815-17	Livestock Farming, Animal Breeding		13			13			13	
82	Agricultural Related Activities									
83	Forestry Activities & Related Services									
84	Fishing Activities & Related Services									
85	Mining Activities & Related Services									
	9. UNDEVELOPED LAND AND WATER AREAS									
91	Undeveloped, Unused Land, Excluding Non-Commercial Forests									
92	Non-Commercial Forests									
93	Water Areas									

1-13: See notes on pages following this chart

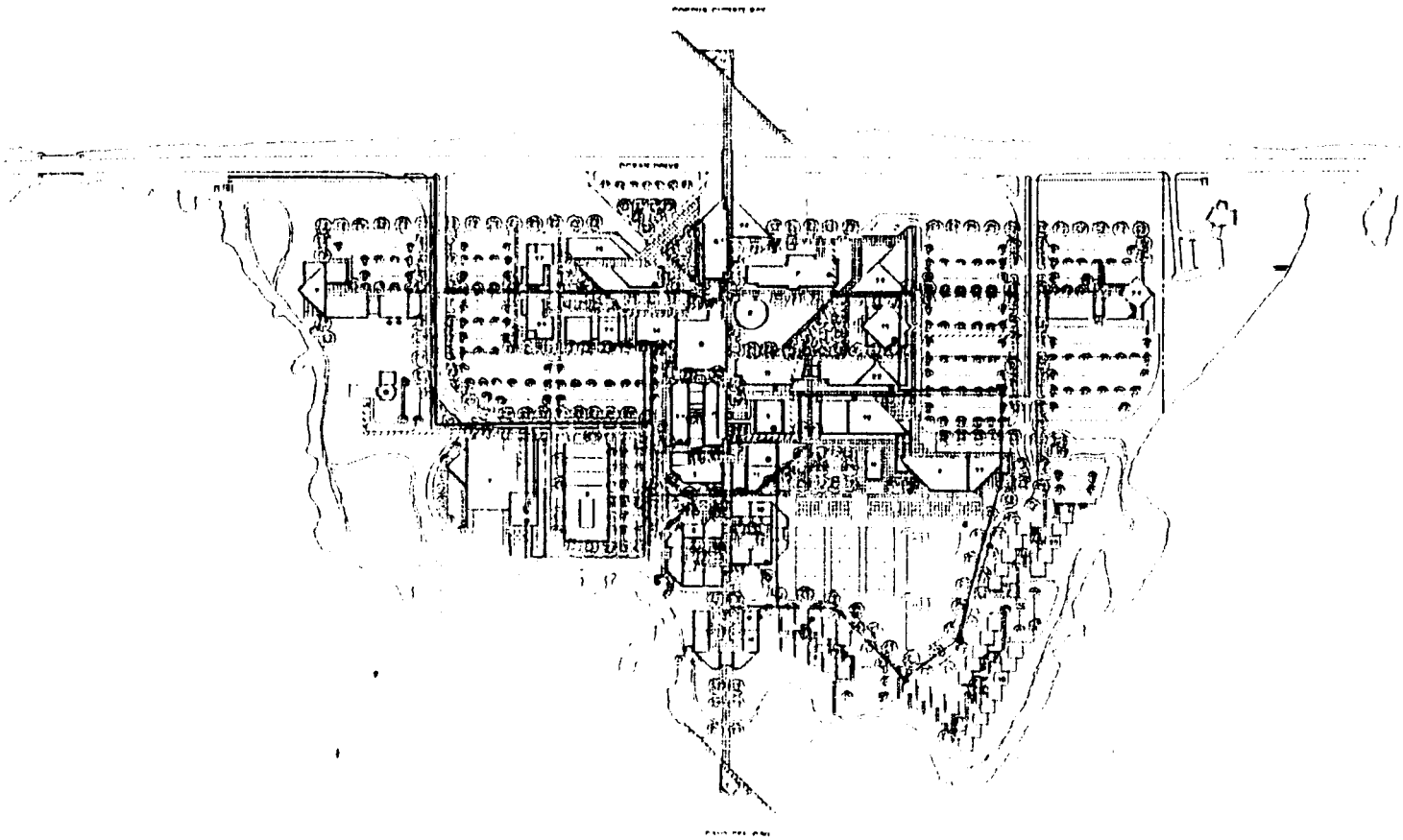
No New Development Restricted New Development No Restrictions

Land use objectives amplified (continued)

Exhibit 5-1

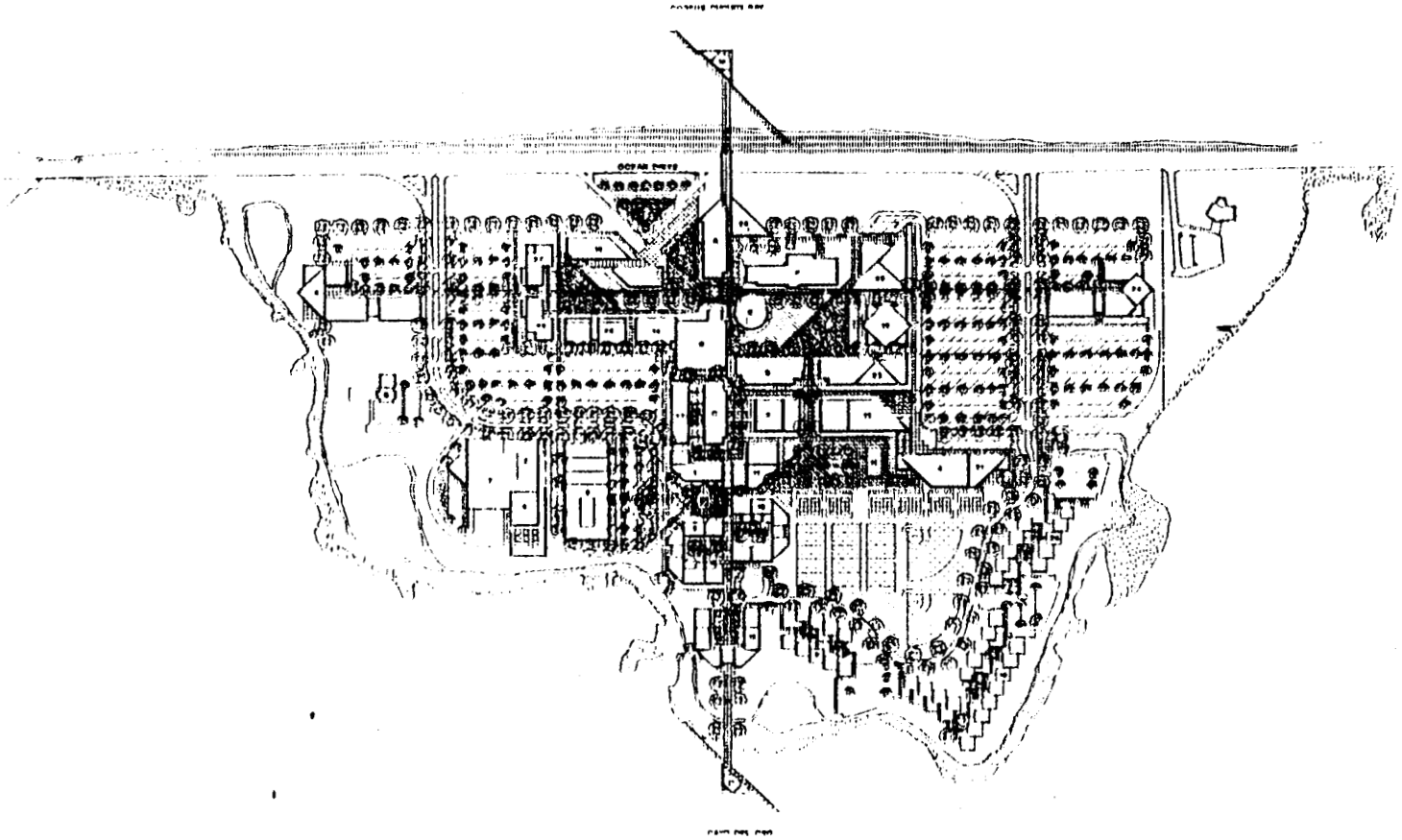


Attachment 3



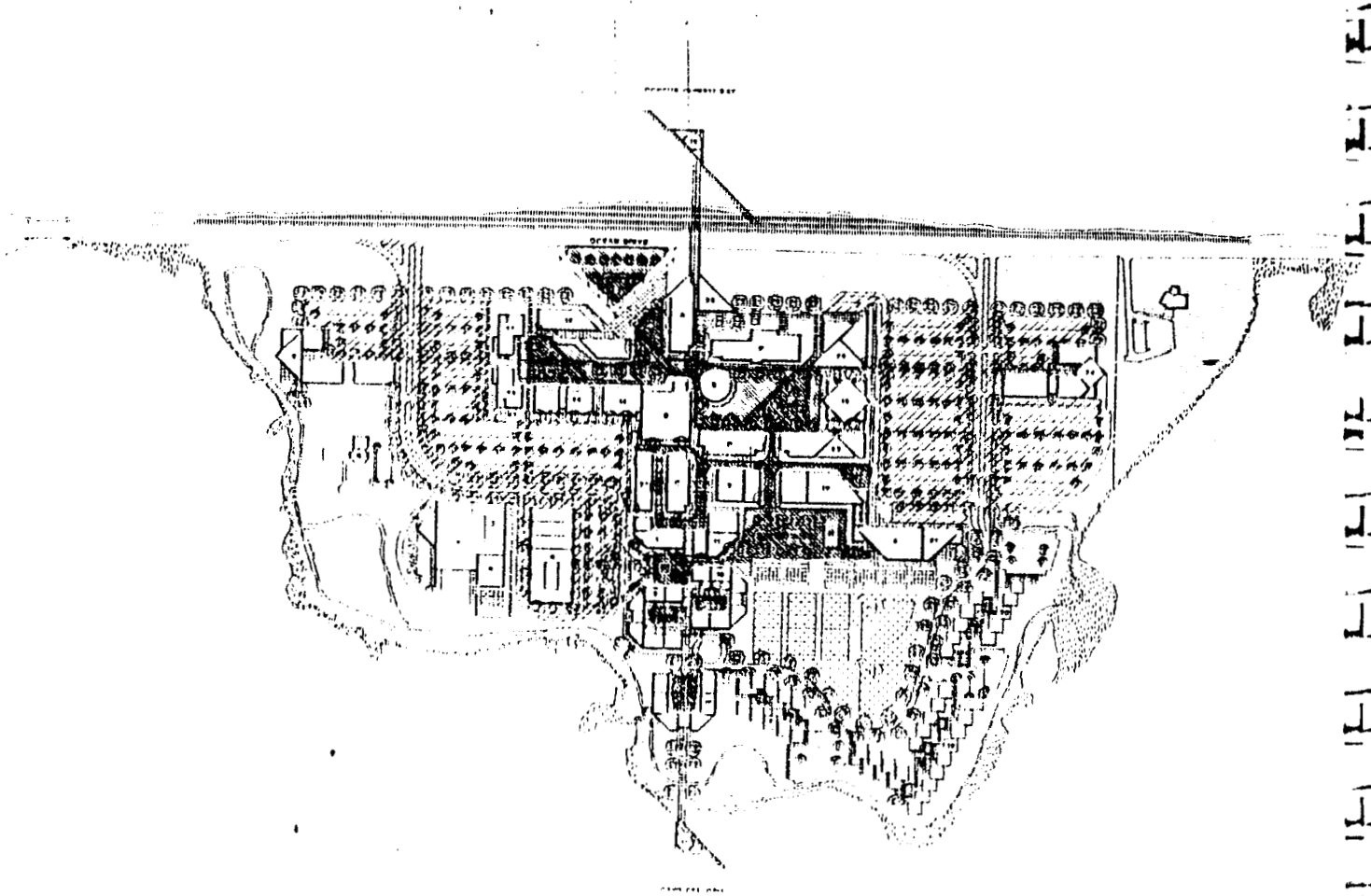
Legend

- Parking
- Delivery Vehicles
- Auto Access
- Maintenance/Emergency



Legend

- Oasis Zone
- Roadways and Parking Lot Zone
- Play Fields Zone
- Semi-Natural Zone
- Natural Area Zone
- Corpus Christi Bay Front Zone



Legend

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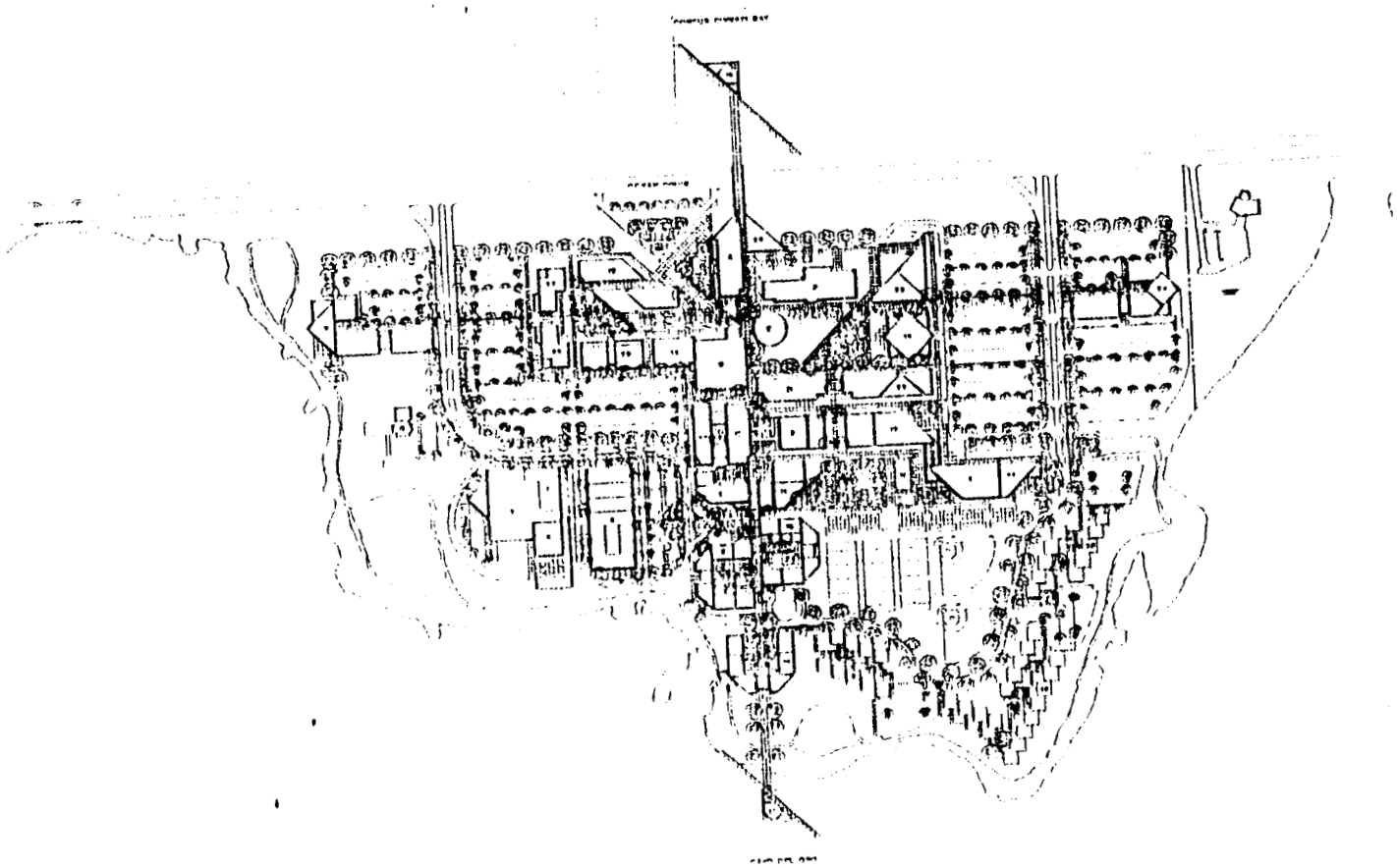
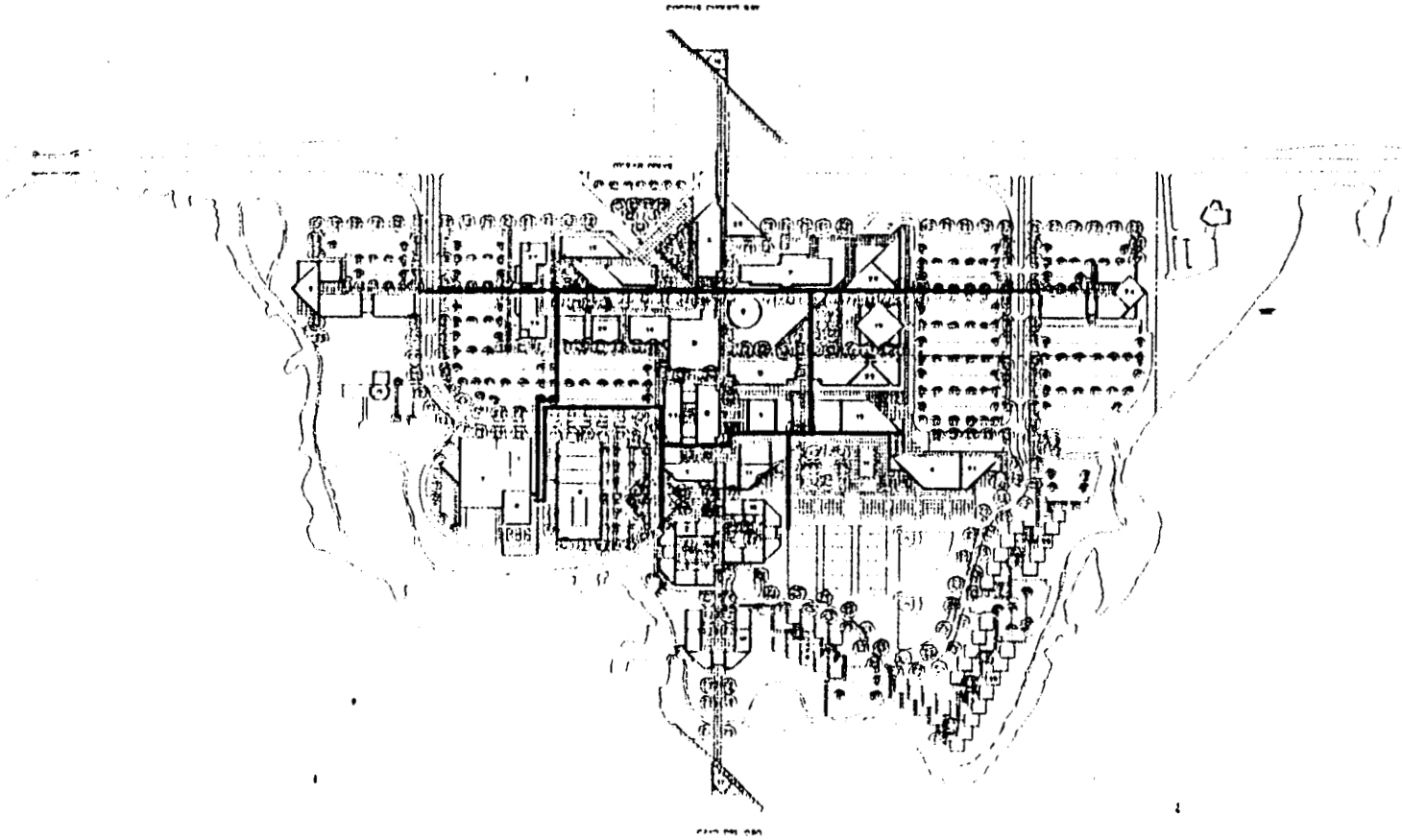


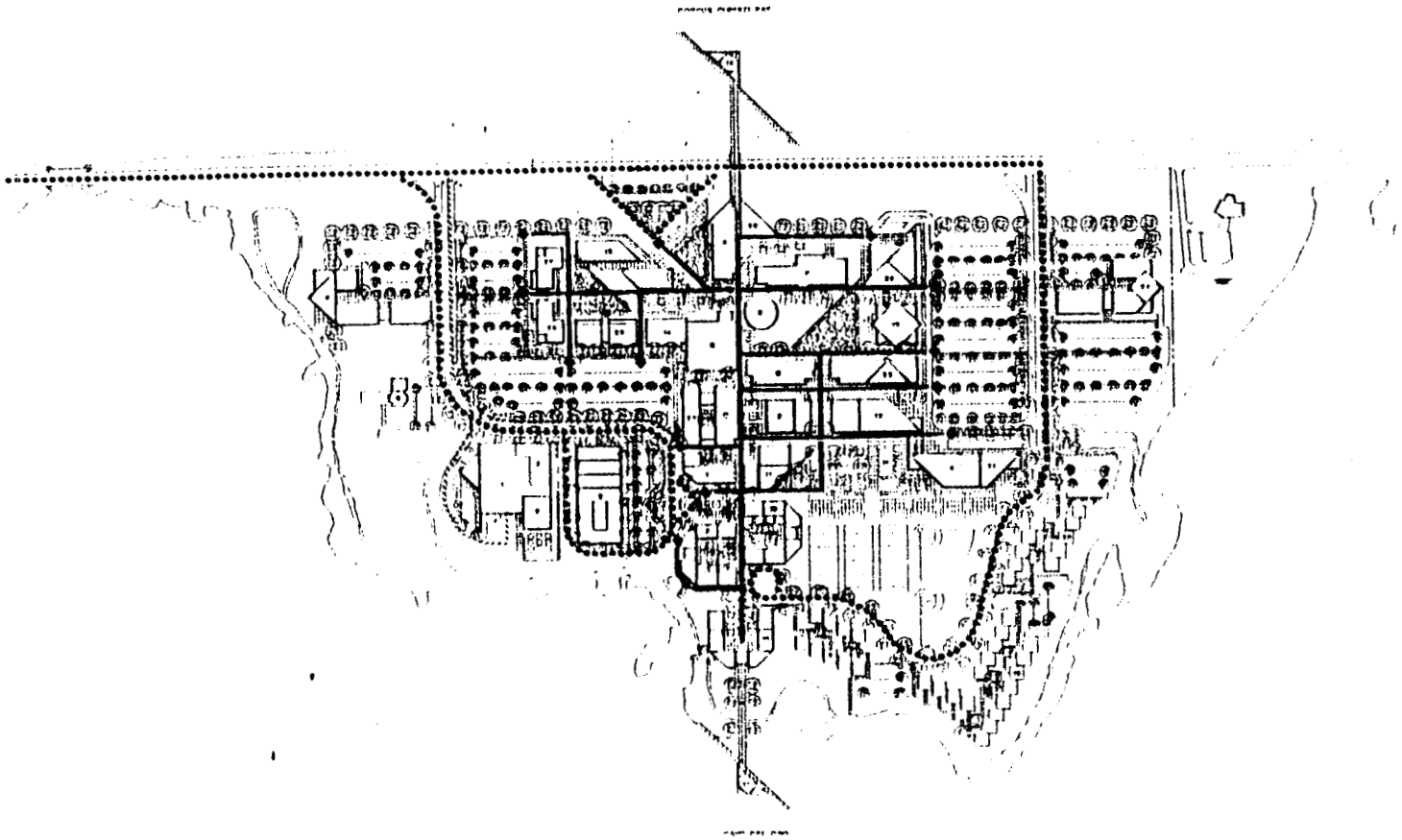
Legend

- Special Lighting
- Roadways and Parking
- Pedestrian Zones



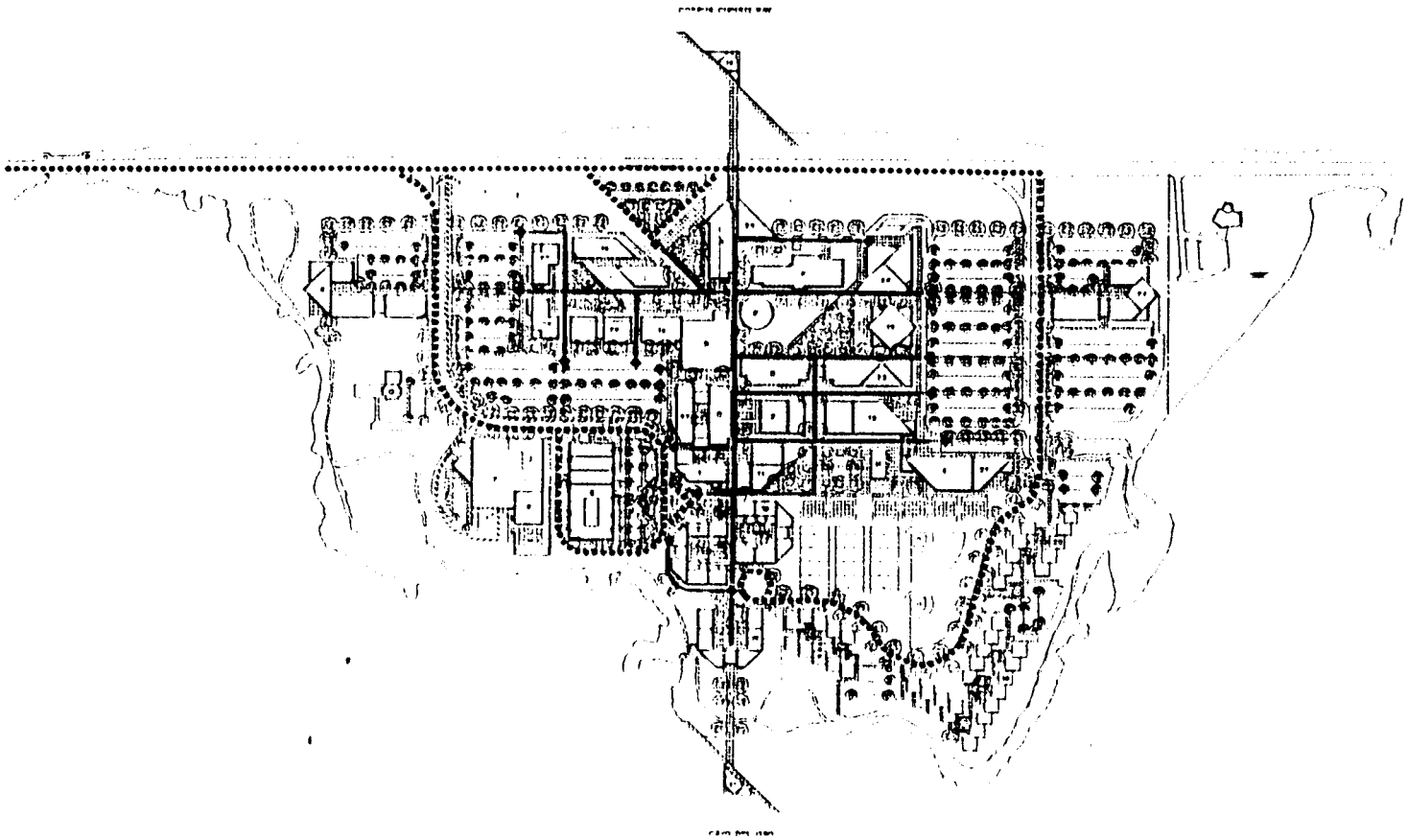
Legend

— Direct Buried Heating & Chilled Water



Legend

- Existing 12.0 KV Main Feeder
- Existing 12.0 KV Branch Feeder
- New 12.0 KV Main Feeder
- New 12.0 KV Branch Feeder
- Existing Switching Station
- New Switching Station
- Existing Transfer
- New Transformer
- Power Metering KWHM



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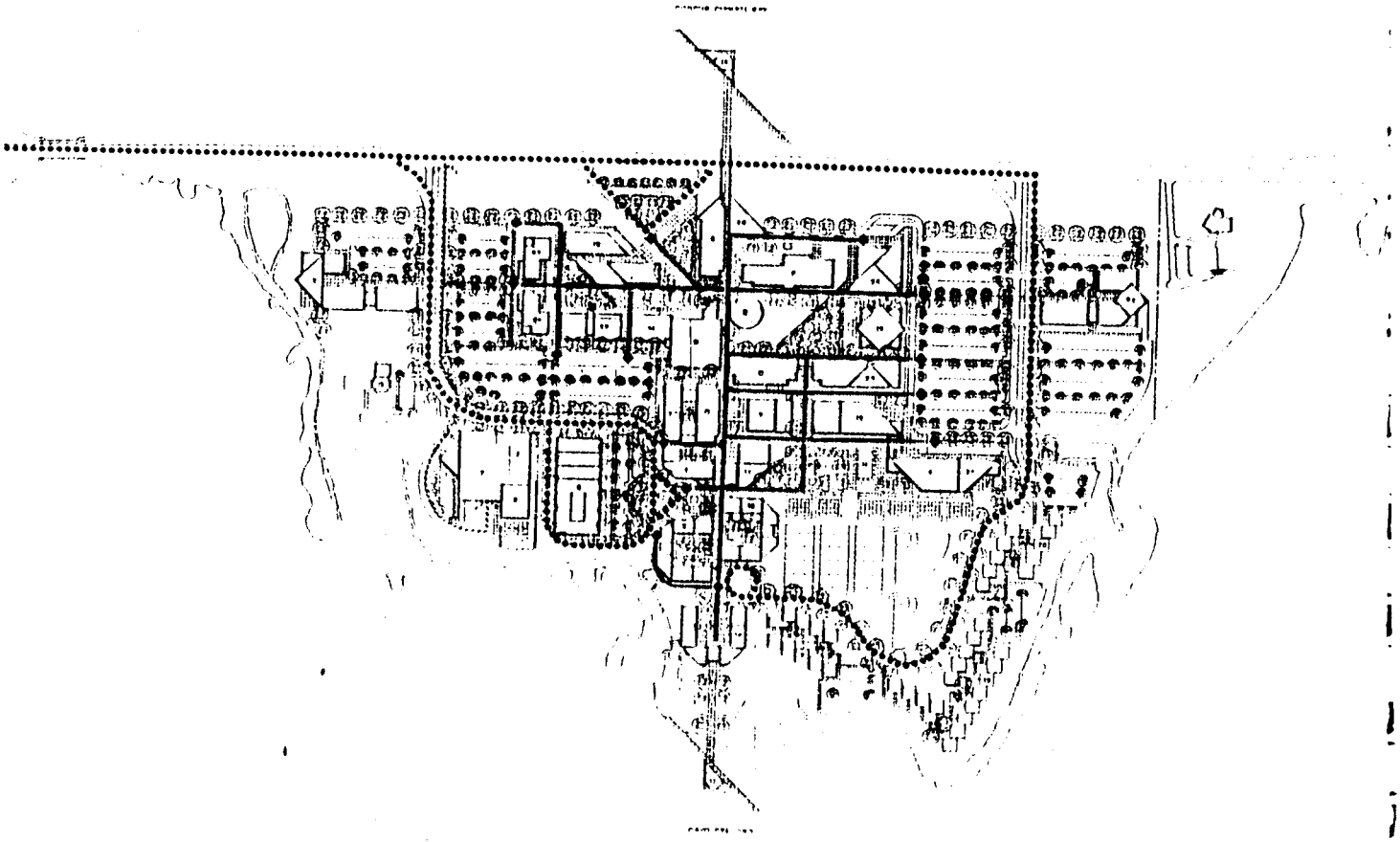

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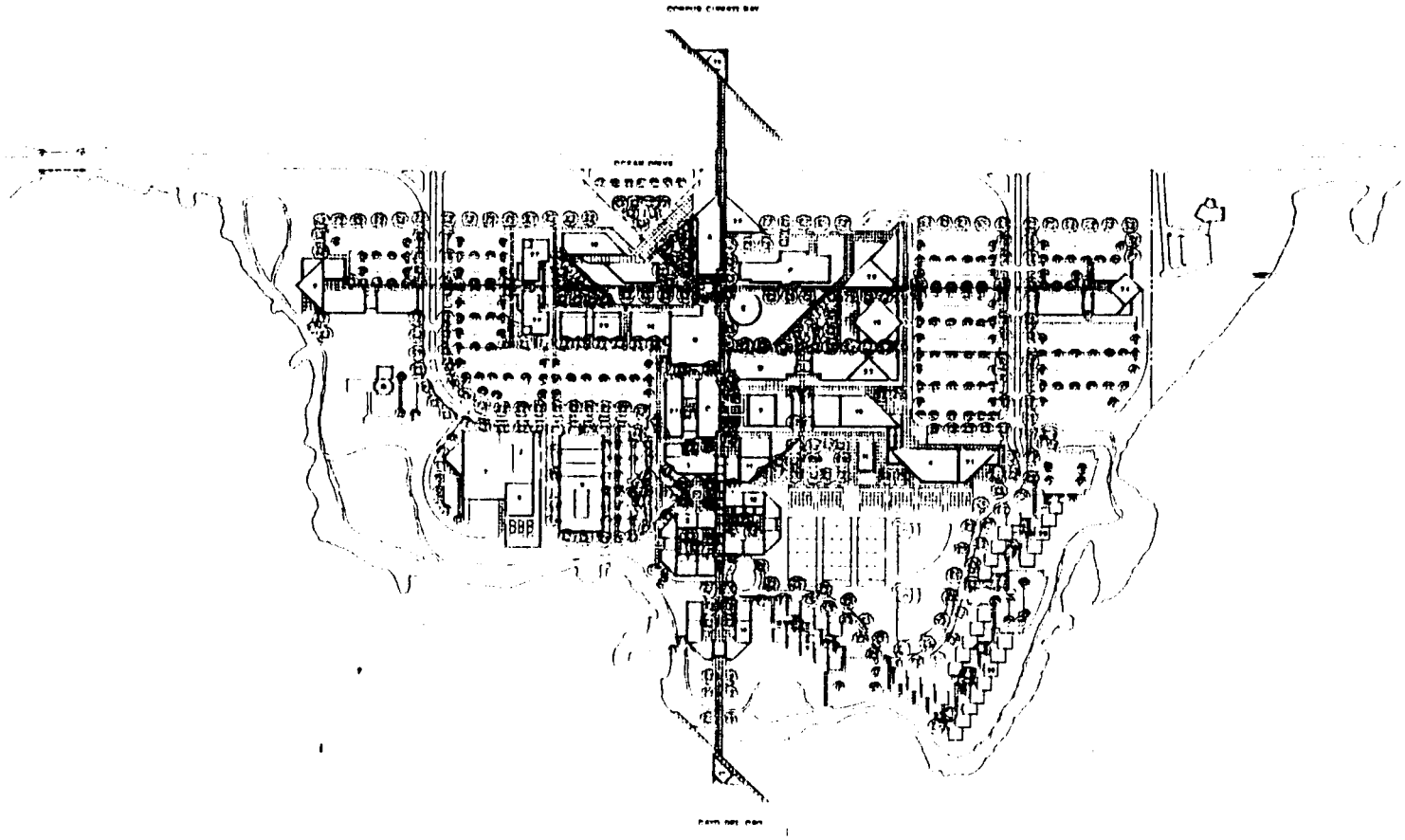

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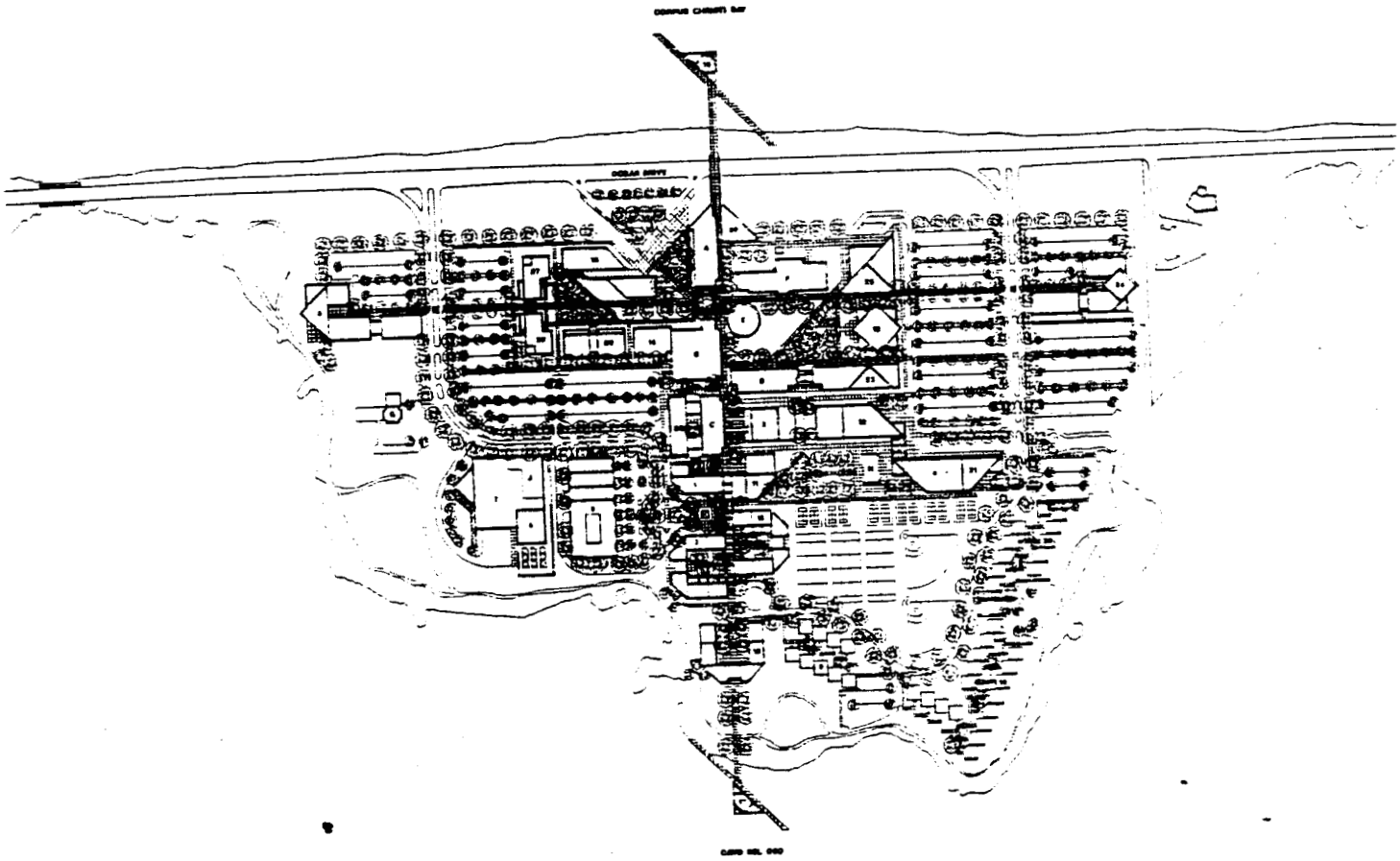
Pedestrian Zone



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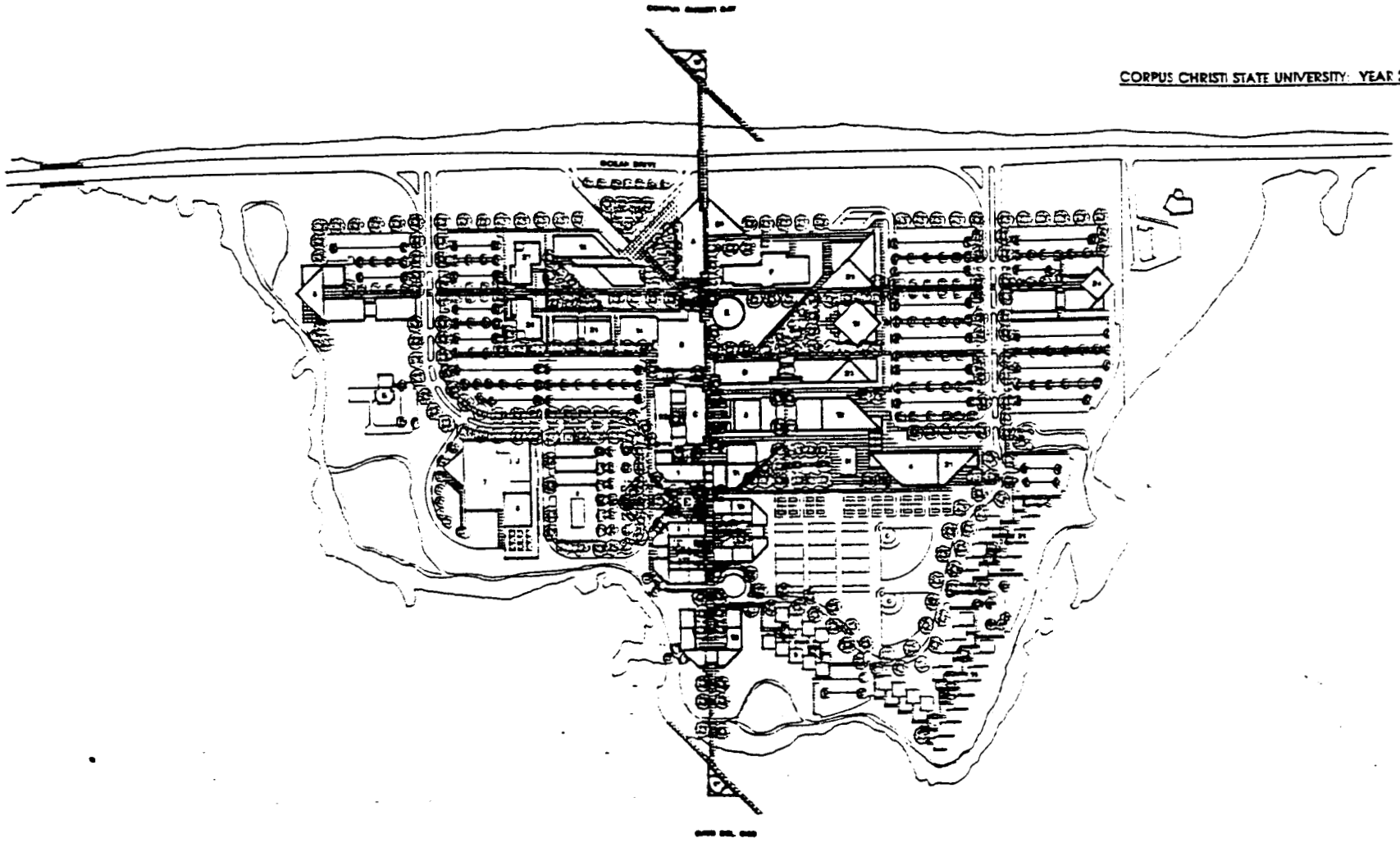
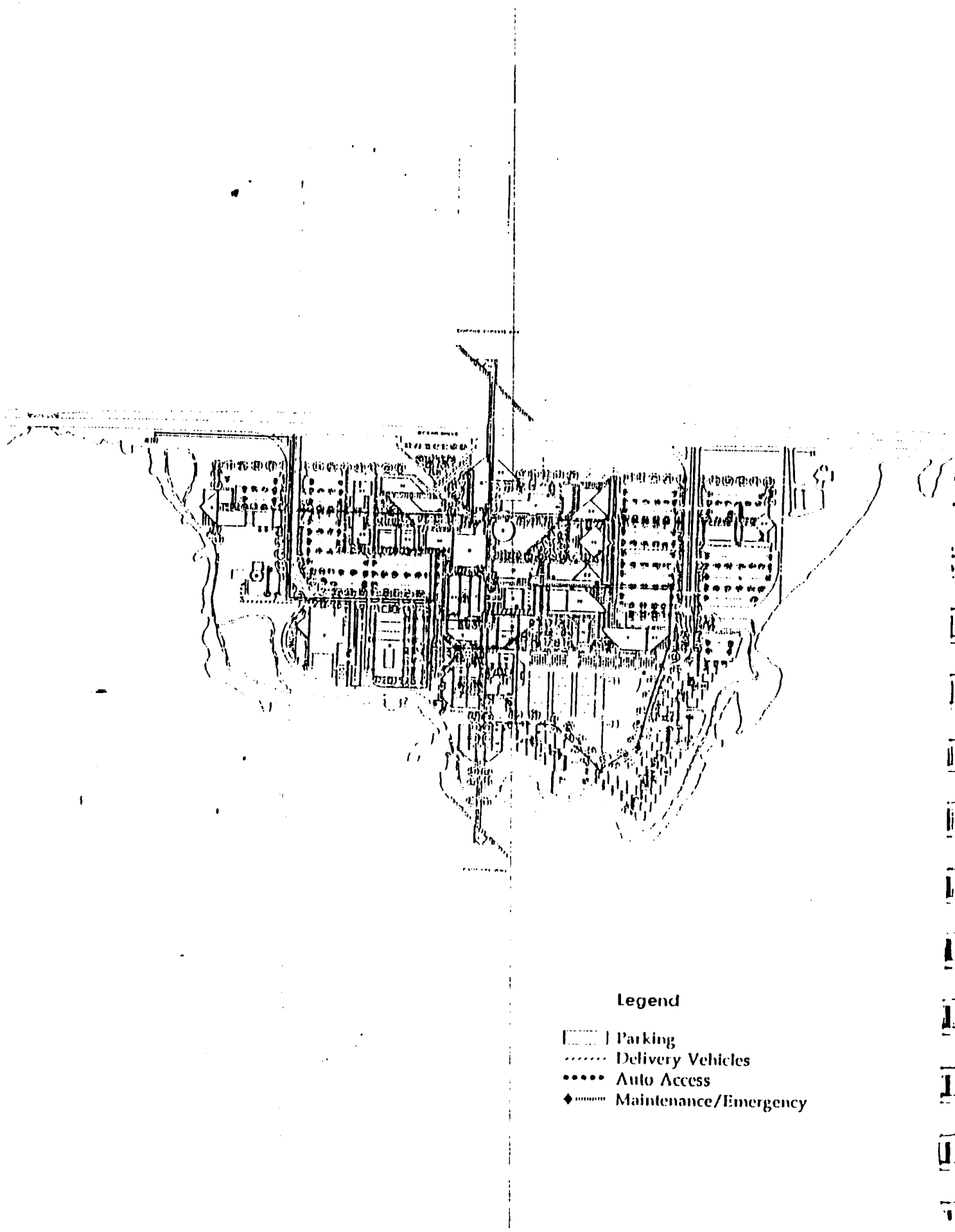
Pedestrian Zone



Proposed Campus Plan

CCSH MASTER PLAN

Attachment 2a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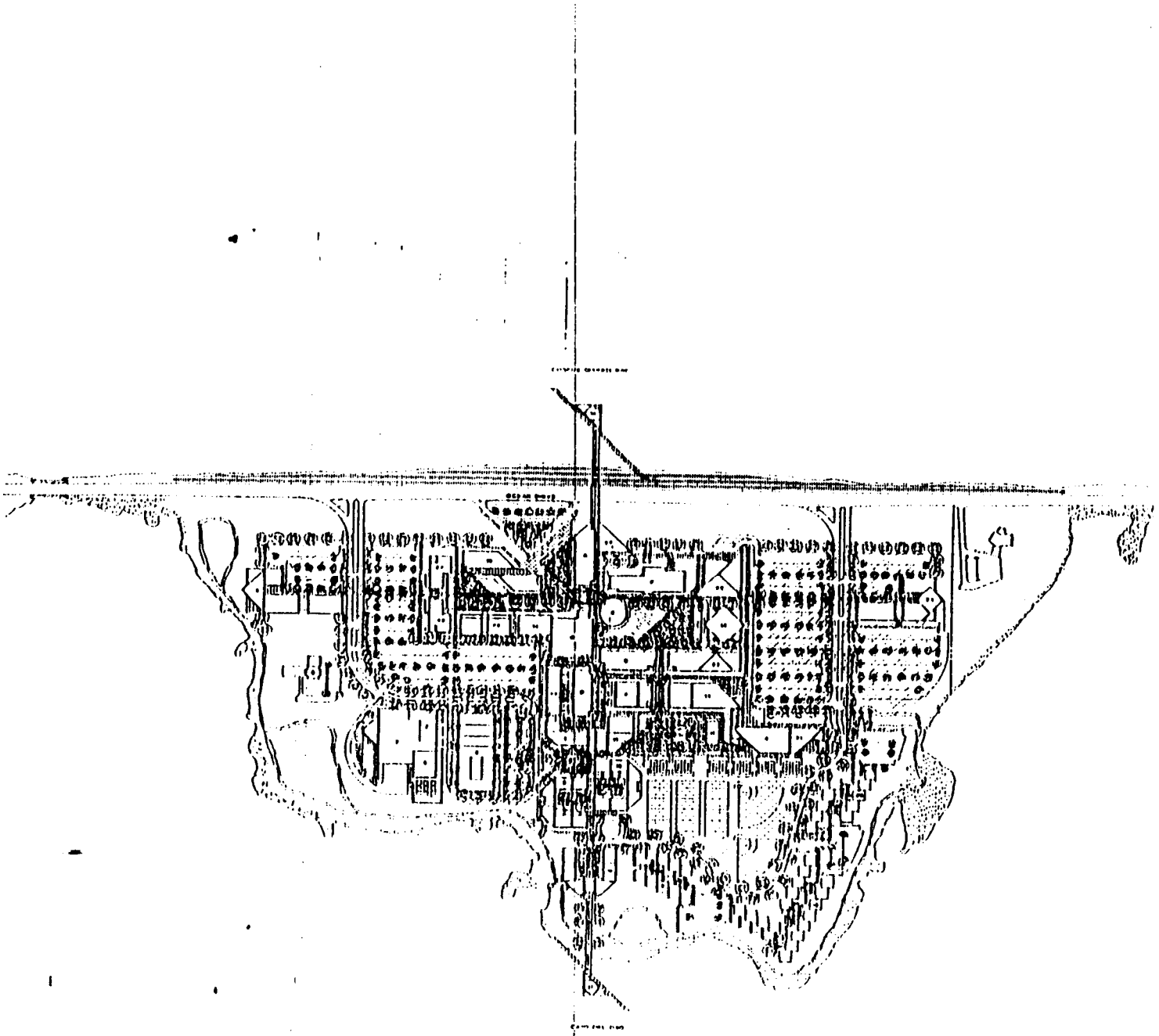
Parking
Delivery Vehicles
Auto Access
Maintenance/Emergency



Legend

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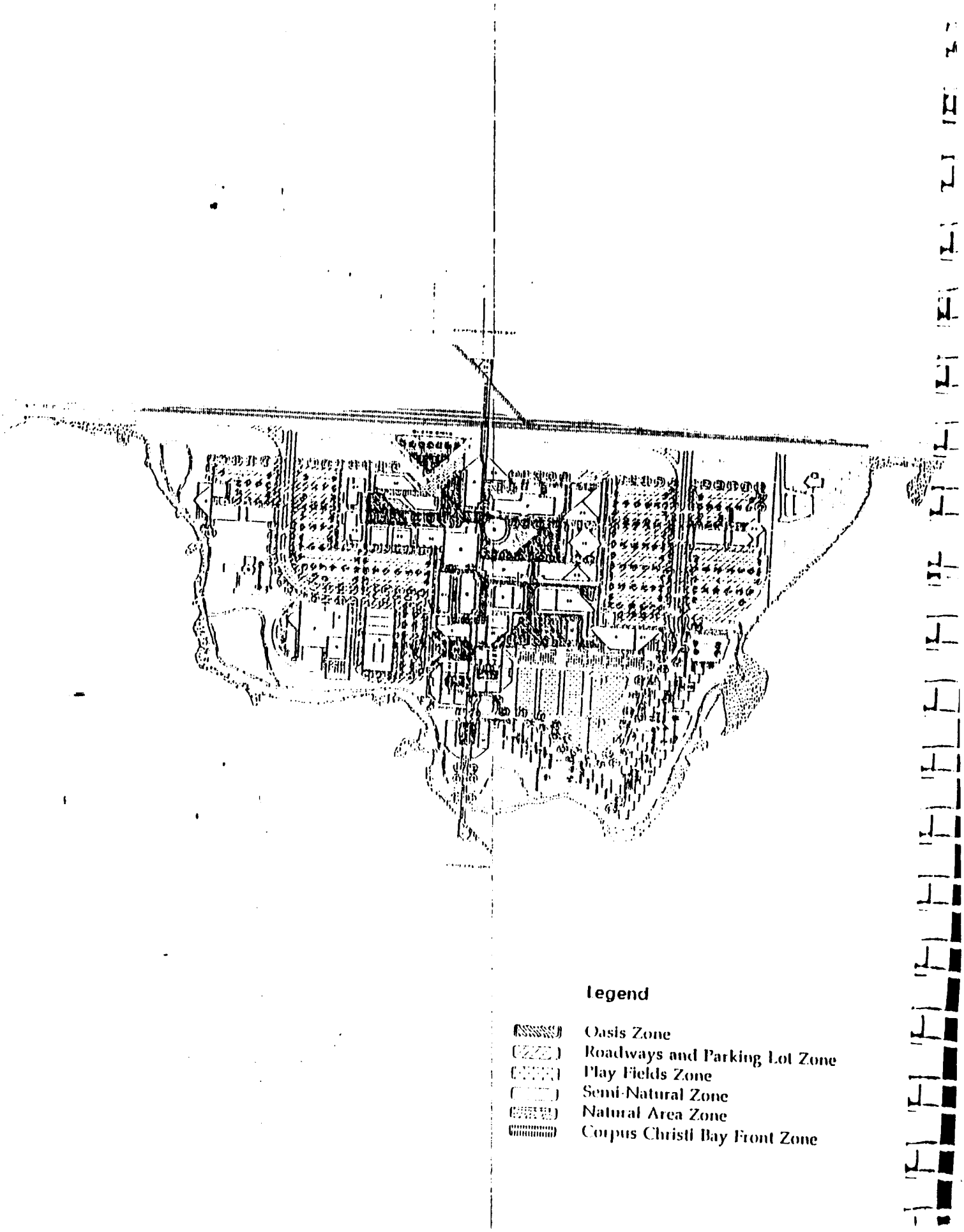
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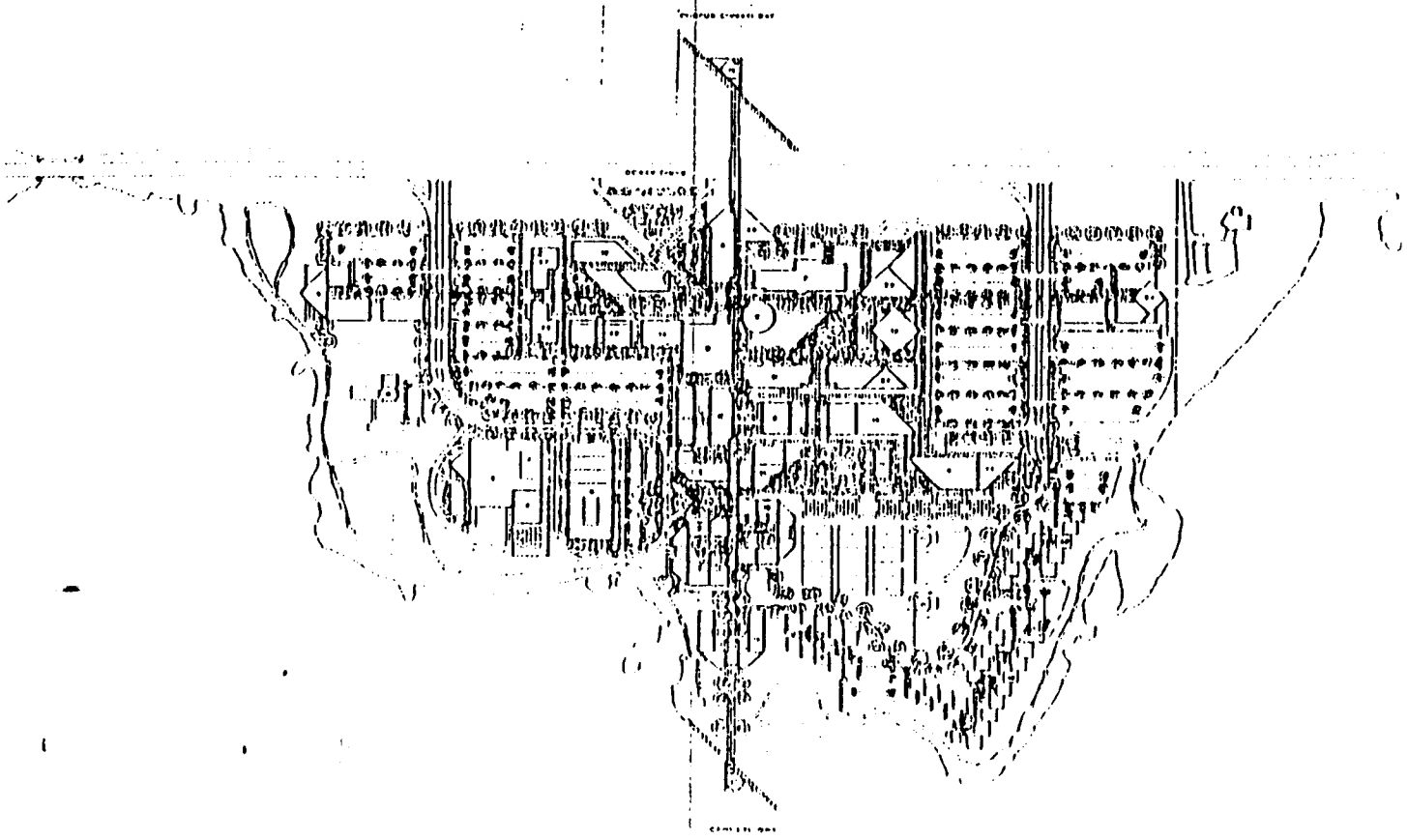
Natural Area Zone
Corpus Christi Bay Front Zone



Legend

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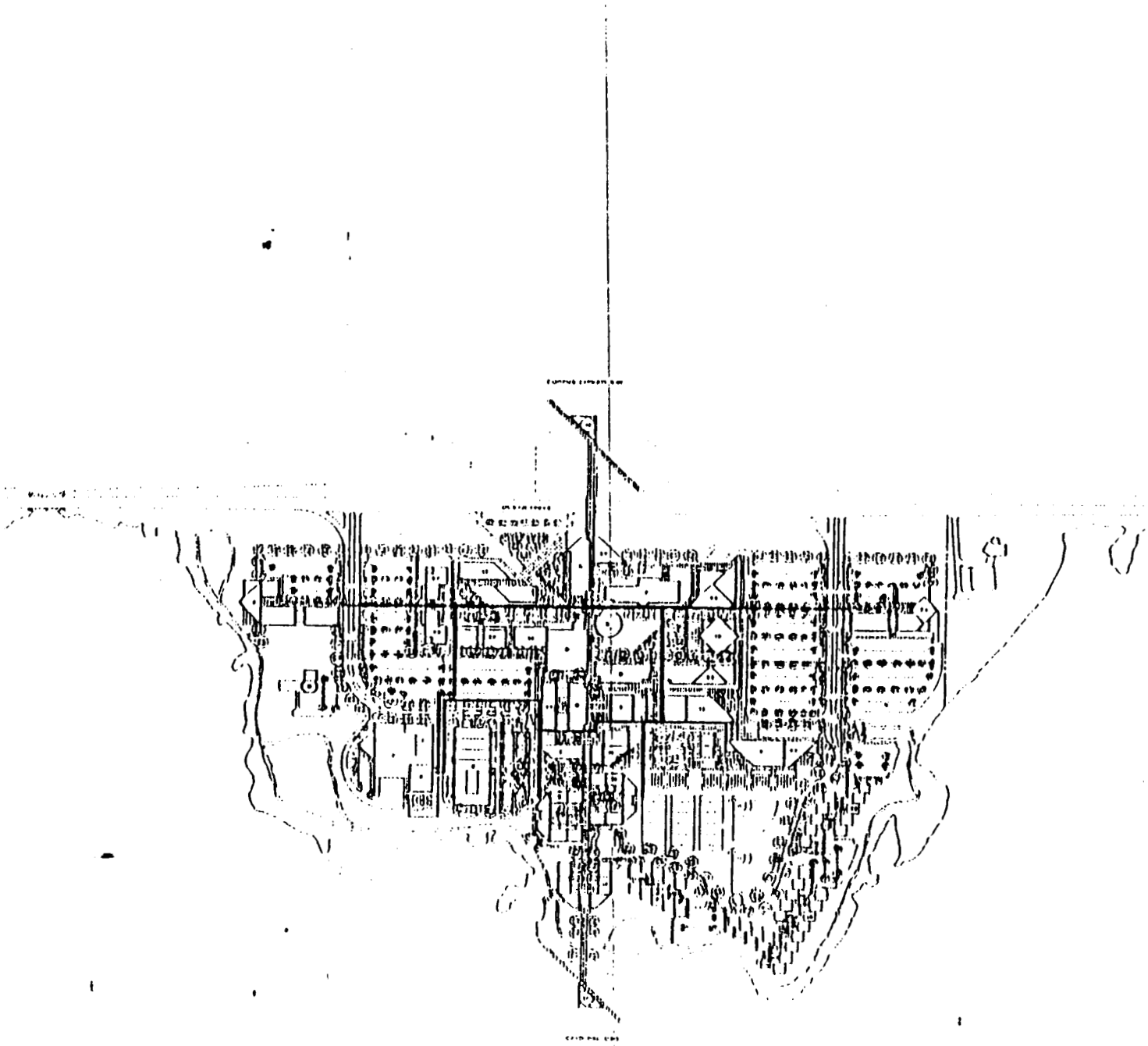
- Pedestrian Zones



Legend

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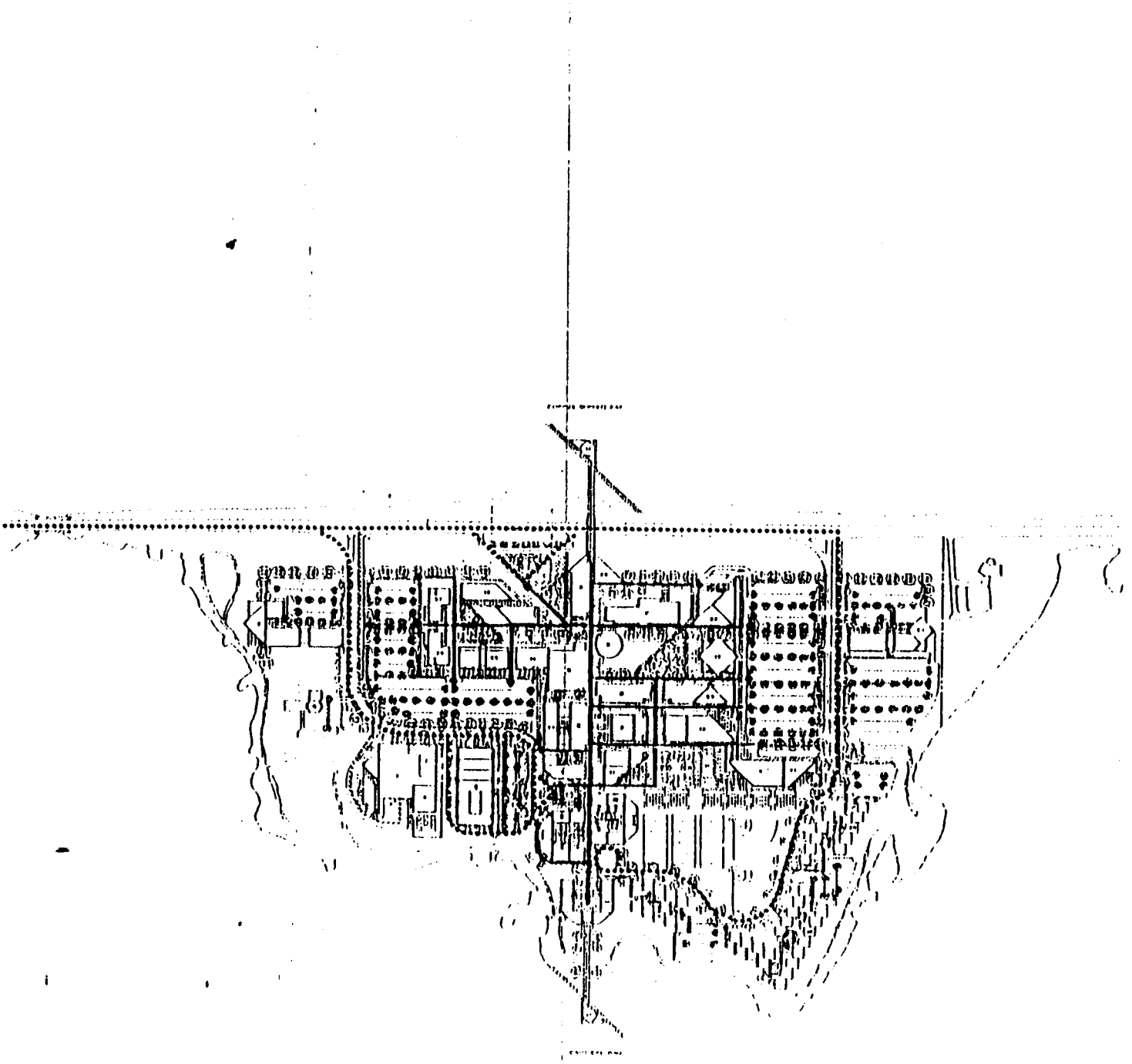

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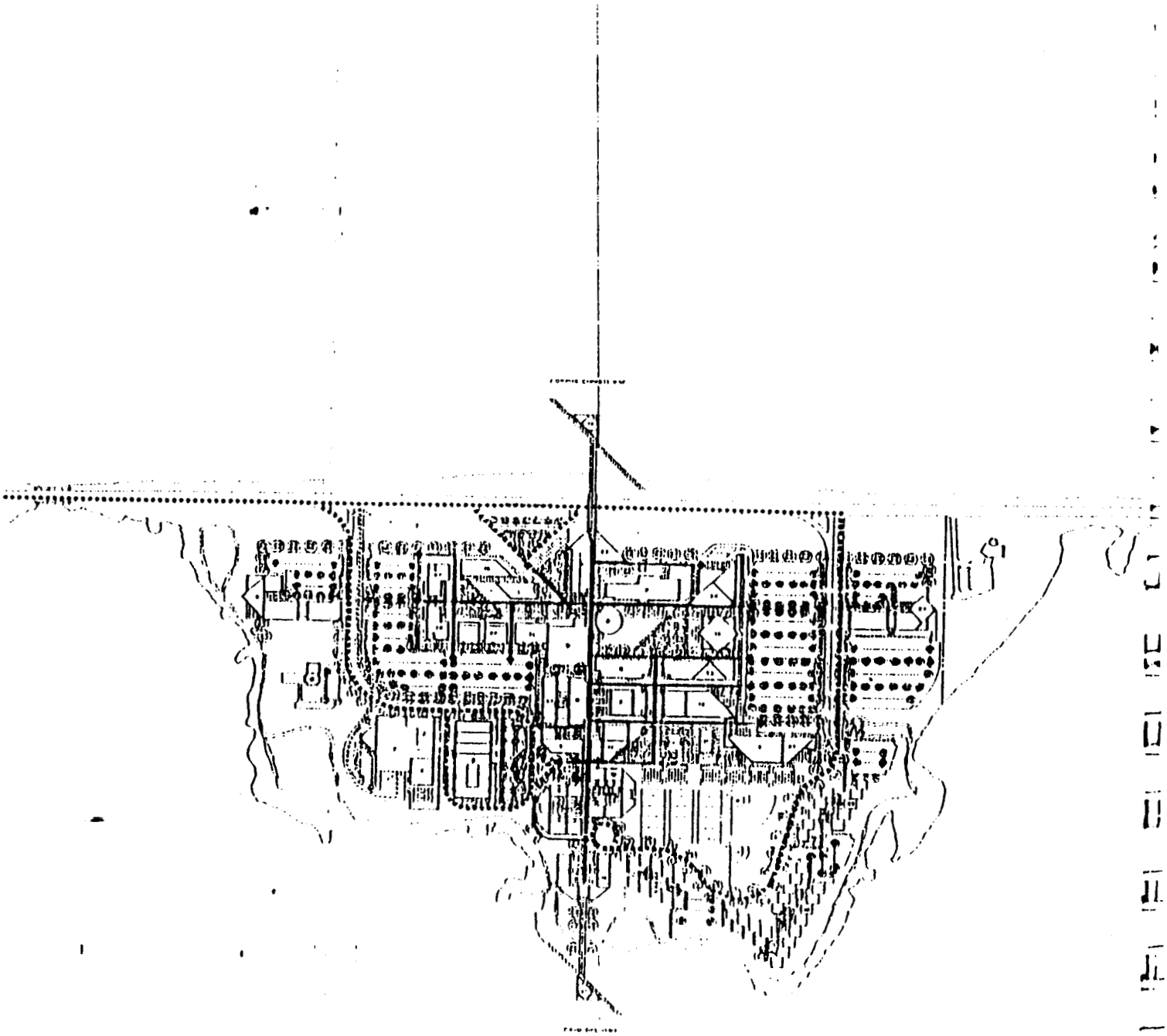

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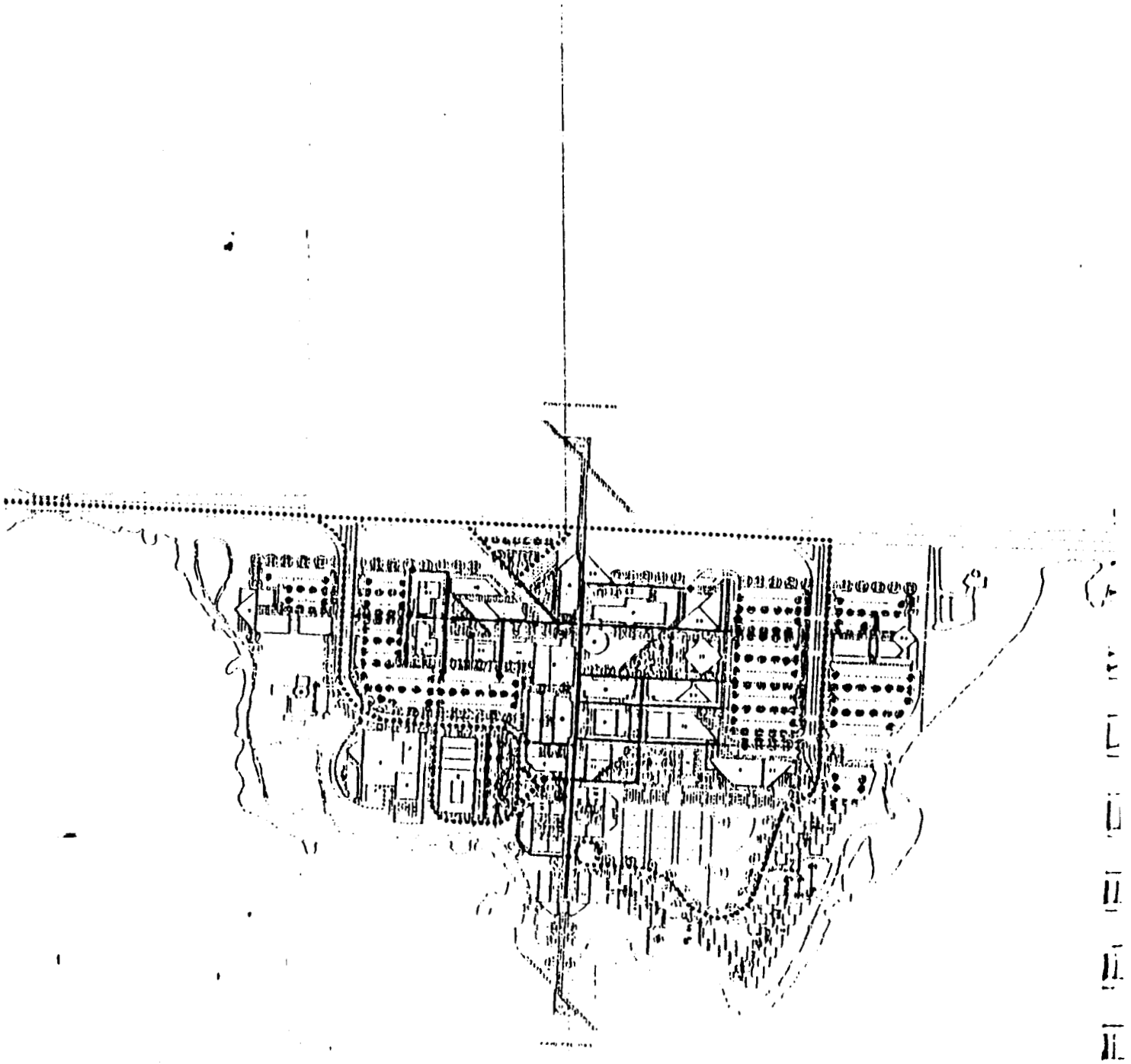

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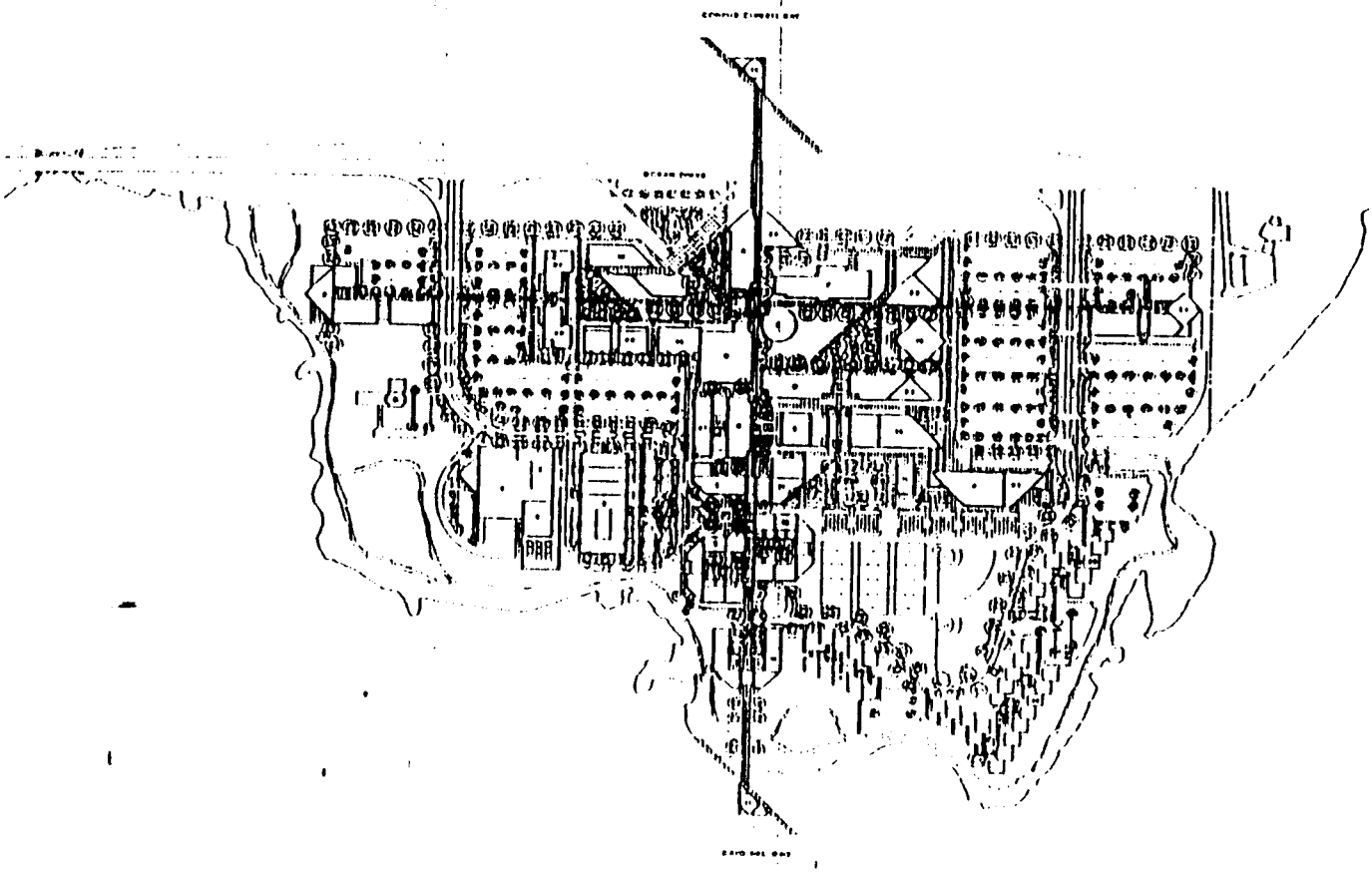

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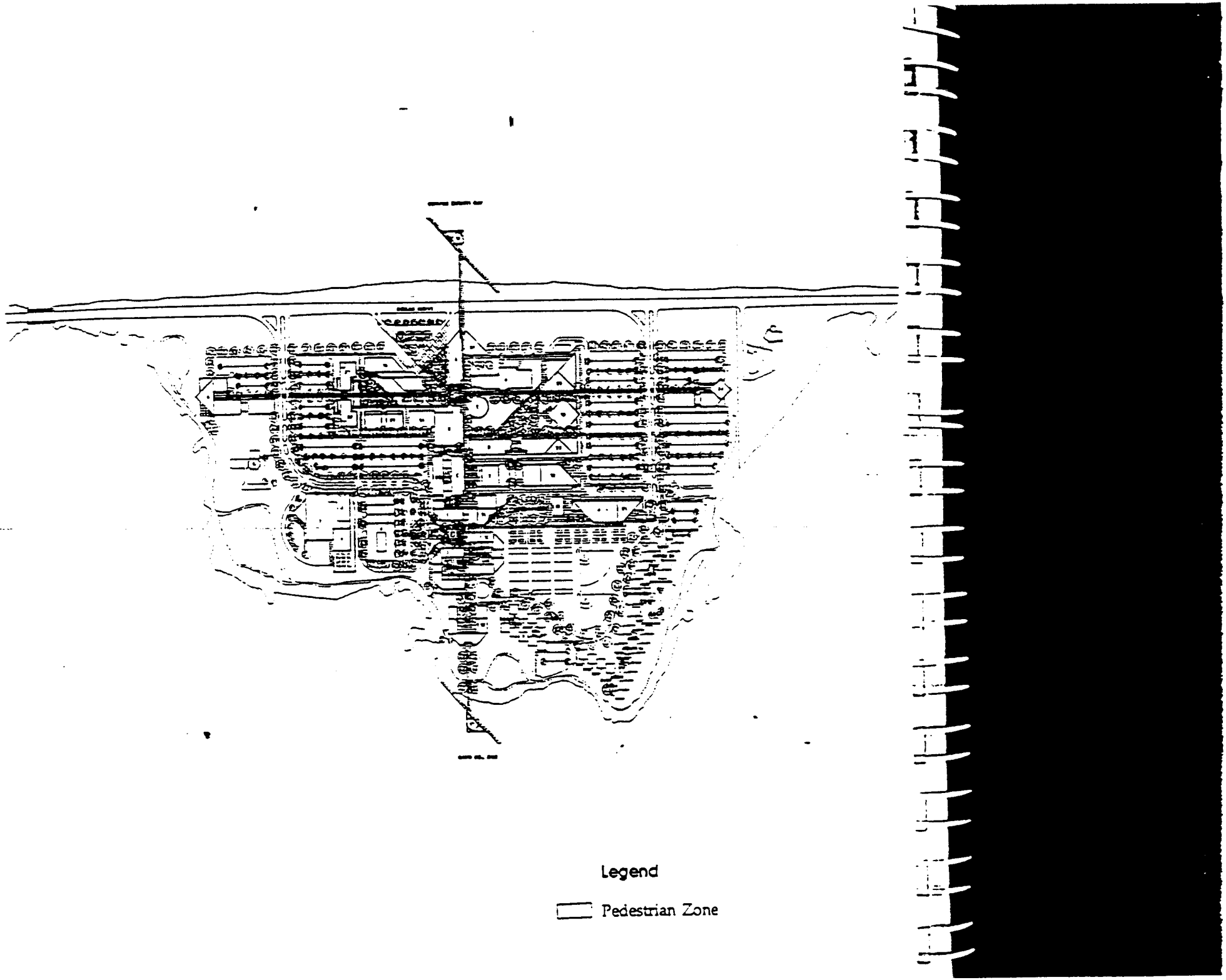
Pedestrian Zone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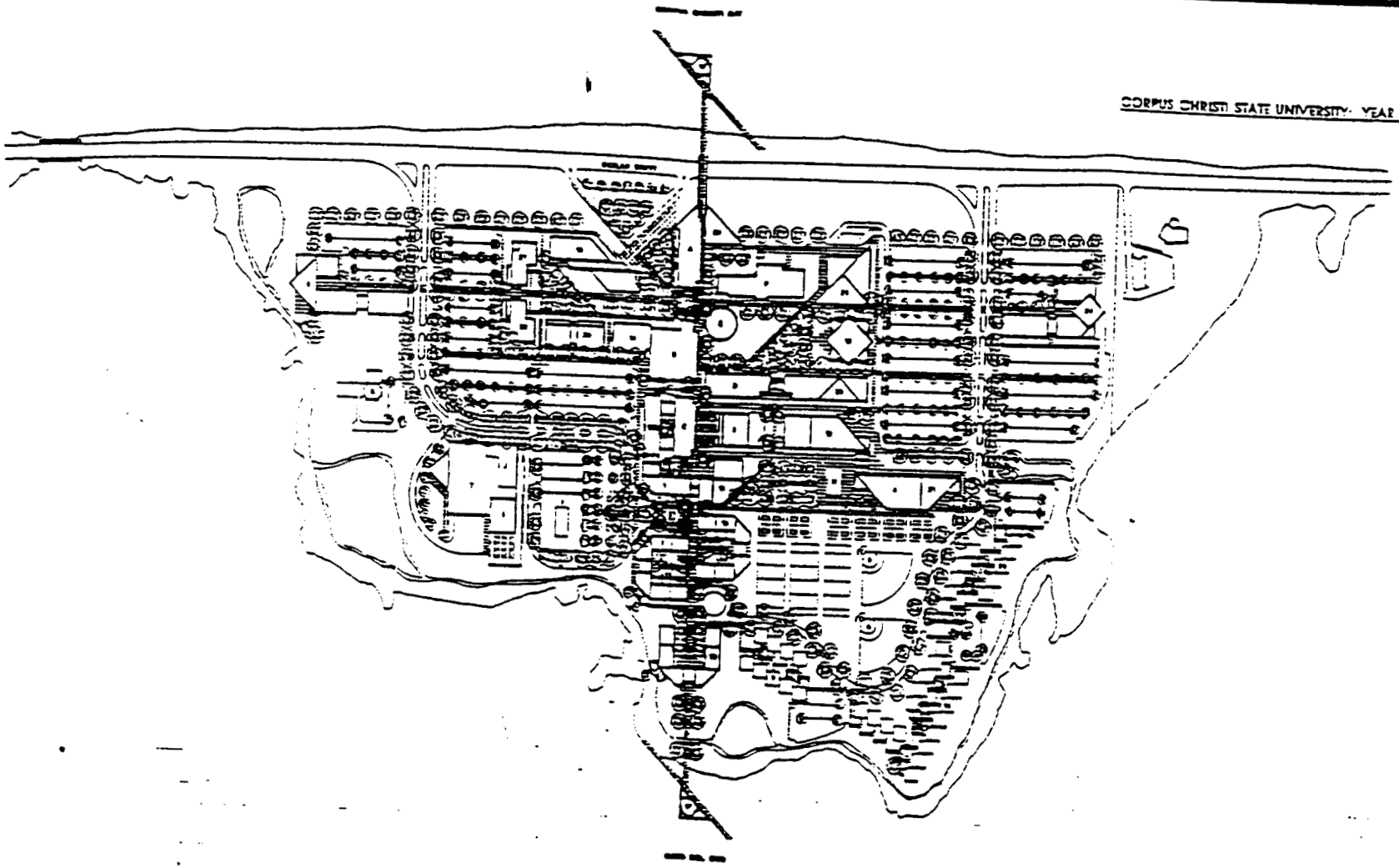
Pedestrian Zone



Proposed Campus Plan

SOUTHEAST AREA DEVELOPMENT PLAN

INTRODUCTION

The Comprehensive Plan is mandated by the City Charter. It requires the City Council to "...establish comprehensive planning as a continuous governmental function in order to guide, regulate, and manage future development..." and, "all city improvements, ordinances, and regulations shall be consistent with the comprehensive plan."

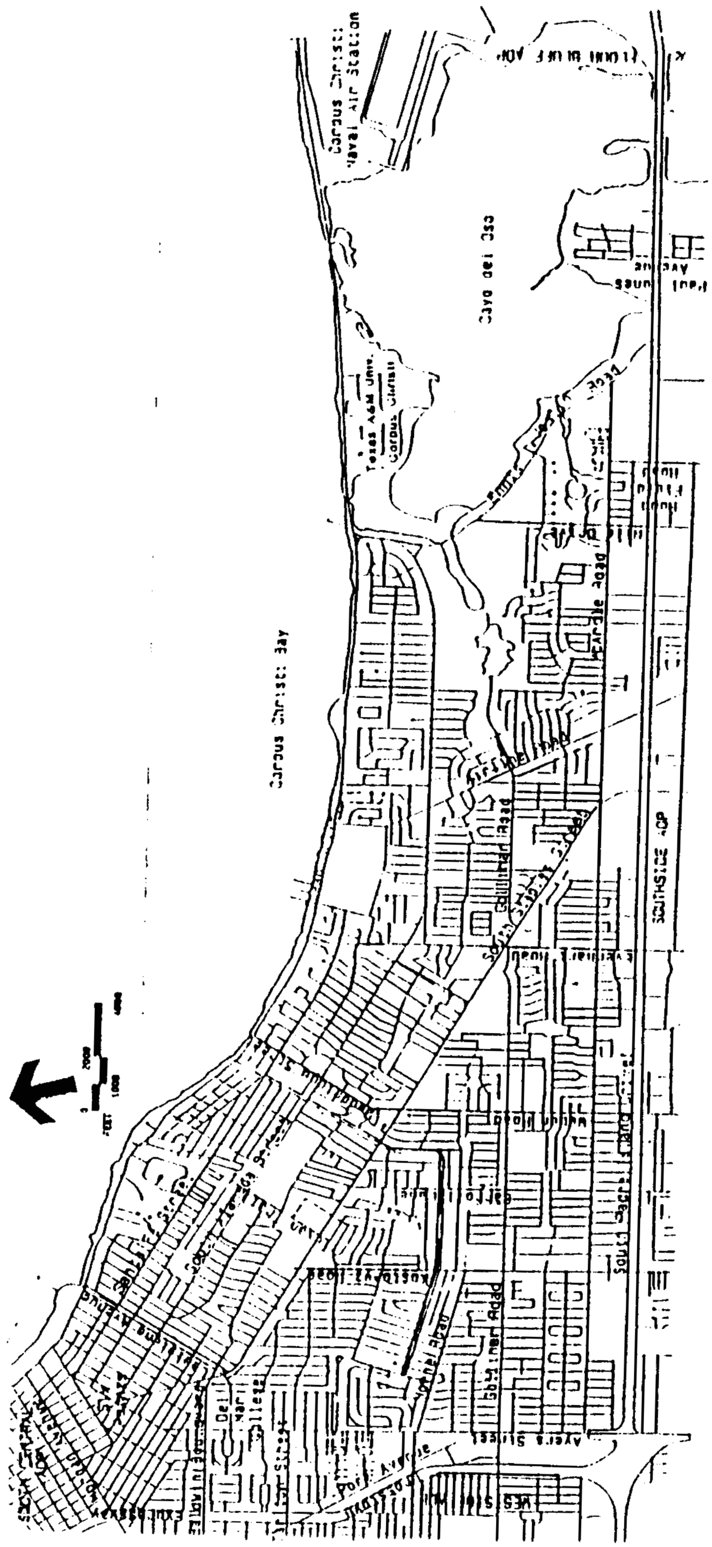
The Comprehensive Plan is a product of various documents such as Policy Statements, Area Development Plans, Capital Improvement Programs, and Master Utility Plans. The comprehensive planning process is a means whereby citizens and community leaders guide community development. The Comprehensive Plan, by definition, is general, long range, and broad in scope. To help formulate the Comprehensive Plan, City Council divided the city and its environs into 13 Area Development Plan (ADP) study areas.

Development plans for these areas will help provide direction in resolving basic land use issues such as zoning, platting of properties, allocation of public services and facilities, and other area specific issues. In many cases, follow-up programs are needed to implement Plan policies. Implementation of these plans assures the most appropriate land development and provision of public services. Coordination of the Capital Improvement Plan, other elements of the Comprehensive Plan and day-to-day actions of line agencies responsible for implementing the Comprehensive Plan, result in more cost effective development and tax dollar savings.

The Southeast Development Plan (SEADP) Area, is bounded on the north by Morgan Street; on the east by Corpus Christi Bay and the Cayo Del Oso; on the south by South Padre Island Drive (SPID); and on the west by the Crosstown Expressway. Points of interest within the Plan area include the Six Points/Spohn Hospital area in the northern section of the Plan area and the shopping malls along SPID. In addition the Plan area is characterized by the City's largest concentration of residential neighborhoods (see Figure 1).

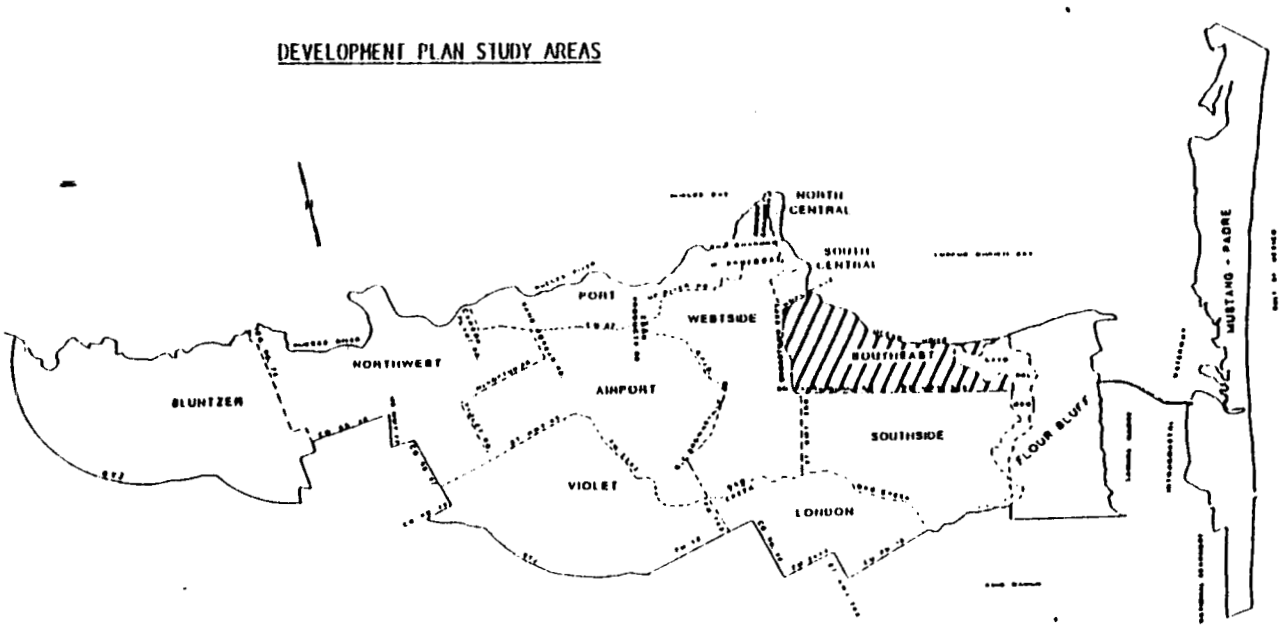
Plan formulation included development of technical papers for the area which describe existing conditions and background information. These papers are available from the Planning Department.

FIGURE 1 SOUTHEAST STUDY AREA



SOUTHEAST
AREA DEVELOPMENT PLAN

DRAFT
March 10, 1994



CITY OF CORPUS CHRISTI PLANNING AND DEVELOPMENT DEPARTMENT

PLAN GOALS AND OBJECTIVES

The Corpus Christi Policy Statements adopted by City Council in 1986 contain the guiding goals, objectives and policies for the entire City and Extraterritorial Jurisdiction (ETJ) . The policies of the Southeast Plan complement, and are more specific than the Corpus Christi Policy Statements.

The policies encompassed by this Plan address not only current issues, but needs that the City and Southeast area residents, property owners, and businesses perceive will become pressing in future years. Recognizing that not all suggested projects and programs will take place immediately, it is important to foresee and note problems and opportunities, and develop a long term strategy to address them.

Key policies of the Plan are printed in bold print. However, for a full understanding of each statement, refer to the entire text.

The specific goal of the Southeast Area Development Plan is to protect the predominantly stable residential neighborhoods and to promote the efficient development of under utilized and remaining vacant land in the Area. An awareness of the multiplicity of uses, variety of special interest groups, economic development needs, and long time frame needed to change, influences the policies and plans contained in the Area Development Plan. **Principle objectives include:**

- **a. Stabilize and conserve residential neighborhoods;**
- **b. Designate appropriate land uses and a transportation network to adequately serve existing and future land uses;**
- **c. Facilitate planning for replacement of deteriorated infrastructure;**
- **d. Protect the unique residential character of Ocean Drive;**
- **e. Revitalize deteriorated housing and promote new residential development in areas best suited for such development;**
- **f. Encourage a well-integrated development plan protects existing residential neighborhoods when conversion of residential use to higher intensity use occurs;**
- **g. Emphasize conflict-free pedestrian and bikeway corridors and pathways to connect the downtown area to Texas A&M University - Corpus Christi and the Southside;**
- **h. Preserve public access, scenic views, and recreational opportunities along the bayfront and the Cayo Del Oso; and**
- **i. Encourage development that protects the continued operation of NAS Corpus Christi.**

A. ENVIRONMENT

POLICY STATEMENT A.1

The City should continue to work with State and Federal agencies to balance protection of the environment with the development needs of the community. Some of these agencies include, but are not limited to, the Federal Emergency Management Agency (FEMA), the U. S. Corps of Engineers, the Texas General Land Office, Texas Water Commission, etc.

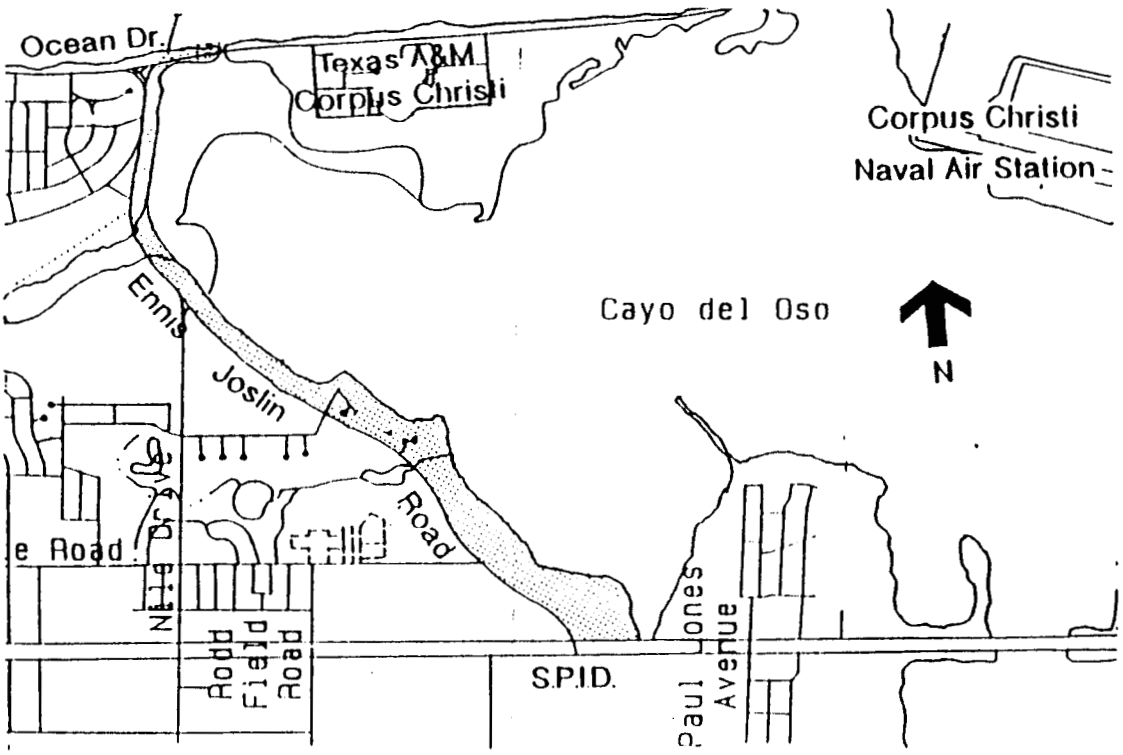
POLICY STATEMENT A.2

Maintain the one-mile minimum distance from the shoreline for any petroleum drilling operations.

POLICY STATEMENT A.3

The City should create an Overlay Zoning District (see Figure 2) between Ennis Joslin and the Cayo Del Oso similar to the Oso Parkway corridor recommended in the Southside, Westside, and Port/Airport/Violet Area Plan recommendations. Development in this area should protect the natural drainage ways, water quality, view vistas and natural plant/wildlife habitats. Secondarily, provide open space areas and hike/bike trail long Ennis Joslin and Ocean Drive shoreline areas. Protection of these features increases development potential for new residential, educational and recreational uses abutting the bayfront and the Cayo Del Oso.

FIGURE 2 CAYO DEL OSO OVERLAY AREA



The City should require a site plan review process for all developments in the Overlay Zone District. Site plan approval should be required prior to the issuance of any building permit. The process should include a quick turnaround so as not to unduly delay the development process. Any site plan appeal process should include a final determination by either an appointed board/commission or by the City Council.

The site plan may not necessarily require the services of a professional planner, architect, or engineer if the applicant can provide the required information. A site plan review process will assure coordination between City Staff and make development of environmentally sensitive areas easier to accomplish. When legislation (approved amendments to City Ordinances) is drafted to carry out this policy, the following information should be considered. In addition the legislation should address coordination between agencies of authority in a manner that will facilitate and not unduly delay the development process.

- a. Parcel or lot dimensions;
- b. The location, proposed use, size and height;
- c. Yard setbacks and space between existing and proposed structures;
- d. Parking, ingress, egress, and circulation;
- e. Grading/drainage;
- f. Placement and size of utilities;
- g. Screening;
- h. Required landscaping;
- i. Zoning;
- j. Notation and delineation of regulatory flood hazard or floodway boundary;
- k. Finished ground floor elevation;
- l. Location and delineation of wetlands as well as archeological sites and show Army Corps of Engineer Permit number;
- m. Provide copies of the Corps permit as well as any other permits required by a regulatory agency;
- n. Provide traffic, wastewater, and stormwater (utilities) impact reports showing compliance or non-compliance with various master plans and corrective action to ensure compliance; and
- o. Refuse collection facilities for multi-family, commercial and industrial activities.

POLICY STATEMENT A.4

The City Park and Recreation Department should coordinate with City Engineering Services, the Texas Parks and Wildlife Department, Texas A & M University - Corpus Christi, the Naval Air Station, and the U.S. Corps of Engineers to establish a program to:

- **a. Monitor Corpus Christi Bay and Cayo Del Oso shoreline erosion;**
- **b. Schedule shoreline maintenance of these public shorelines; and**
- **c. Propose capital improvement projects to protect the public shoreline.**

B. LAND USE

PLAN STATEMENT
B.1
The City Council, hereby, adopts the Land Use and Development Plan (Figure 3 and Table 1) and the accompanying text as a guide for future land use decisions. The Plan provides guidance for future land use decisions including rezoning, platting, fiscal management, and capital improvement planning. The Plan supports environmentally sound development and the efficient provision of public services and facilities.

The future land use plan recommends those uses that are "most suitable." However, other uses that may also be acceptable are described in Table 1. Those uses described as "also acceptable " are more likely to require special buffering to assure compatibility with adjacent uses, or perhaps some other improvements to meet the full intent of the Comprehensive Plan.

Table 2 contains the total acreage of future land uses and potential population of an ultimately developed in the Southeast area.

POLICY STATEMENT
B.2
In Table 1, Future Land Use Suitability, the "most suitable land use" column indicates those land uses least likely to cause negative impacts to the surrounding area and which is thought to most directly benefit the public health, safety and welfare of the community. Uses described as "also acceptable" might be permissible but they are likely to be negatively affected by the most suitable use or surrounding uses unless steps are taken to buffer negative impacts. Steps that should be taken to prevent negative impacts and promote sensitive design are:

- **a. Lighting from non-residential uses should be directed away from residential areas;**
- **b. Noise impacts from non-residential uses should be reduced by creating a buffer open space between the two areas. Such spaces may be landscaped areas, a street, a screening fence, larger setbacks, etc. These methods can be used singularly but are usually most effective when applied in combination to provide the desired effect;**
- **c. Placing low intensity activities next to single family uses; and**
- **d. Because non-residential areas are considered most suitable next to higher level roads, "also acceptable" uses will need to be buffered from negative traffic noise impacts if they are located immediately next to the highway.**

FIGURE 3 LAND USE AND DEVELOPMENT PLAN

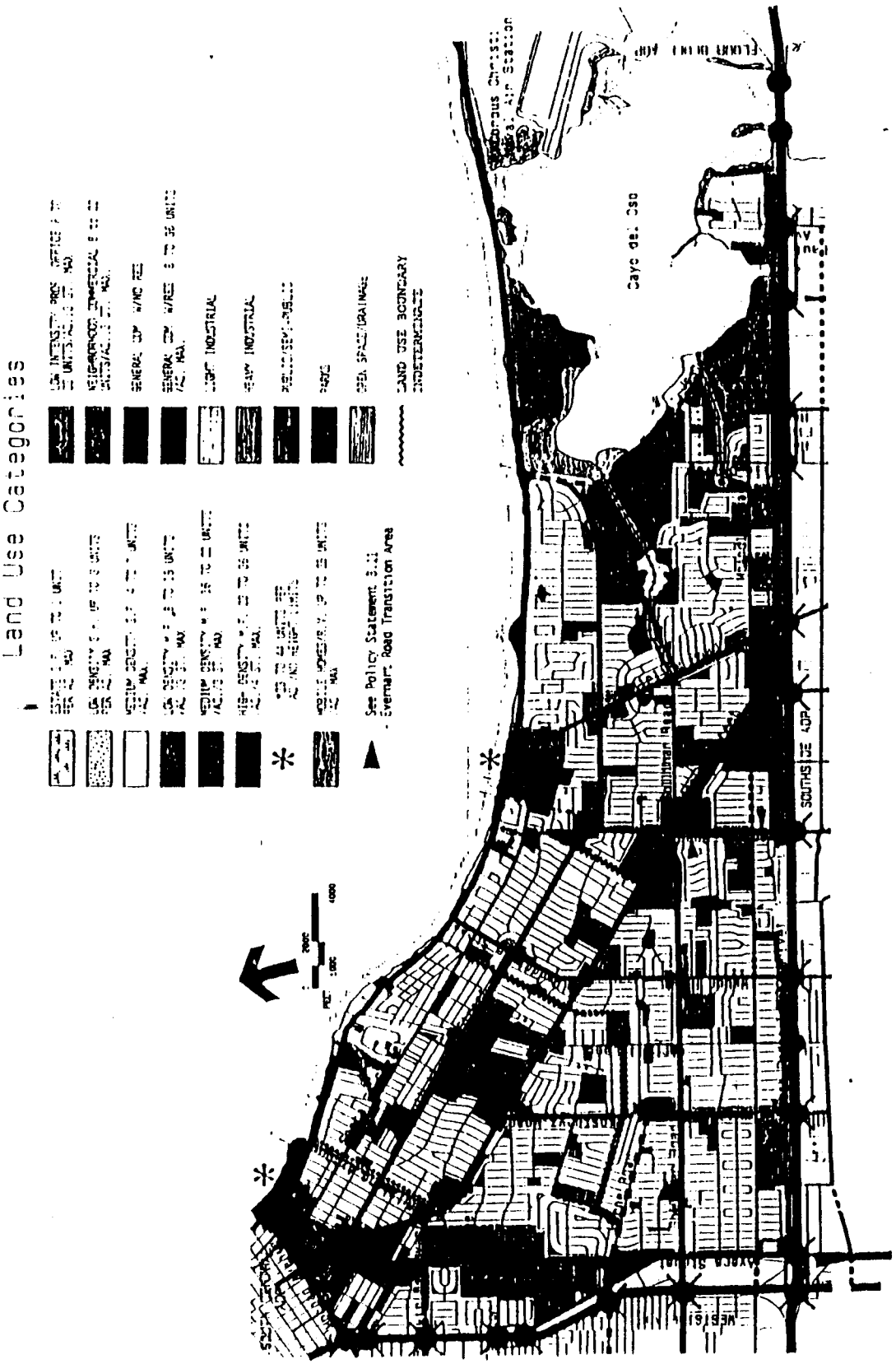


TABLE 1 FUTURE LAND USE SUITABILITY

SOUTHEAST	ALSO ACCEPTABLE													
MOST SUITABLE FUTURE LAND USE	FARM/RURAL	ESTATE DEN SF	LOW DEN SF	MEDIUM DEN SF	LOW DEN MF	MEDIUM DEN MF	HI DEN MF	MOBILE HOMES	LOW INT PROF OFF	NEIGHBORHOOD COM	COM W/NO RES	COM W/RES	LIGHT INDUSTRIAL	HEAVY INDUSTRIAL
FARM/RURAL SF; Up to 1 Unit Per 5 Acres														
ESTATE DEN SF; Up To 1 Unit/Ac	✓													
LOW DEN SF; Up To 3 Units/Ac	✓	✓												
MED DEN SF; 4 to 7 Units/Ac		✓	✓											
LOW DEN MF; 8 to 15 Units/Ac; 3 St Max			✓	✓										
MEDIUM DEN MF; 16 to 22 Units/Ac; 3 St Max				✓	✓									
HI DEN MF; 23 to 36 Units/Ac; 4 St. Max.				✓	✓	✓								
MOBILE HMS/RV's; Up to 25 Units/Ac.														
LOW INTENSITY PROF OFFICE; 8 to 22 Units/Ac.;3 St. Max.					✓	✓								
NEIGHBORHOOD COM; 8 to 22 Units/Ac.;3 St. Max.					✓	✓			✓					
GENERAL COMMERCIAL W/NO RESIDENTIAL									✓	✓				
GEN COM W/ RES; 8 to 36 Units/Ac.					✓	✓	✓		✓	✓				
LIGHT INDUSTRIAL									✓	✓	✓			
HEAVY INDUSTRIAL									✓	✓	✓		✓	

TABLE 2 SOUTHEAST DEVELOPMENT PLAN ULTIMATE DEVELOPMENT LAND USE ASSUMPTIONS

PROPOSED LAND USES	TOTAL ACREAGE	%	HOUSING UNITS[1]	ULTIMATE POPULATION[1]
Farm/Rural SF	0	0.0	0	0
Estate Density SF	0	0.0	0	0
Low Density SF	0	0.0	0	0
Medium Density SF	6,225	56.1	25,678	61,627
Low Density MF	238	2.1	2,053	4,927
Medium Density MF	546	4.9	7,788	18,691
High Density MF	128	1.2	2,832	6,797
Mobile Homes/RV's	0	0.0	0	0
Low Intensity Prof Office	190	1.7		
Neighborhood Com	207	1.9		
General Commercial w/No Res	0	0.0		
General Commercial w/Res	905	8.1		
Light Industrial	221	2.0		
Heavy Industrial	0	0.0		
Public/Semi-Public	1,288	11.6		
Parks	744	6.7		
Open Space/Drainage	405	3.6		
Total	11,097	100.0	38,351	92,042

** Residential land uses are discounted by 25 percent to account for transportation needs.

*** Population estimates are totals for ultimate build out and are based on full occupancy, average household size of 2.4 persons, and a mid-point each residential density range.

POLICY
STATEMENT
B.3

Redevelopment of properties within the area north of Ayers Street and east of Brownlee Boulevard should be sensitive to the remaining residential neighborhoods. Much of this area is used for single family or multi-family residential or for professional offices. Professional office uses are generally compatible with single and multi-family development in this area. However, commercial uses would have a more adverse effect and should only be considered for sites with frontage on an arterial street. Any commercial development should also be carefully planned to include sufficient transitioning (buffering, such as greater setbacks, fences, landscaping, height limitations, reduced signage etc.).

POLICY
STATEMENT
B.4

The City should encourage the Regional Transportation Authority and the Six Points Property Owners to improve the retailing environment of the Six Point Shopping Center. Major improvements should include:

- **a. Alameda and Staples median improvements;**
- **b. Sidewalk and crosswalk improvements; and**
- **c. Facade, landscaping, and other urban design improvements.**

More detail on each of the above recommendations can be found in the RTA & Six Points Study conducted by the Regional Transportation Authority (fall 1992). If the property owners in the area request it, the City should consider the creation of a new zoning district and/or urban design guidelines for the Six Points area.

POLICY
STATEMENT
B.5

Industrial zoned areas in the Southeast should not be expanded more then shown in the Land Use and Development Plan. Existing industrial uses should be permitted to continue and allowed limited expansion as shown in the Land Use and Development Plan.

POLICY
STATEMENT
B.6

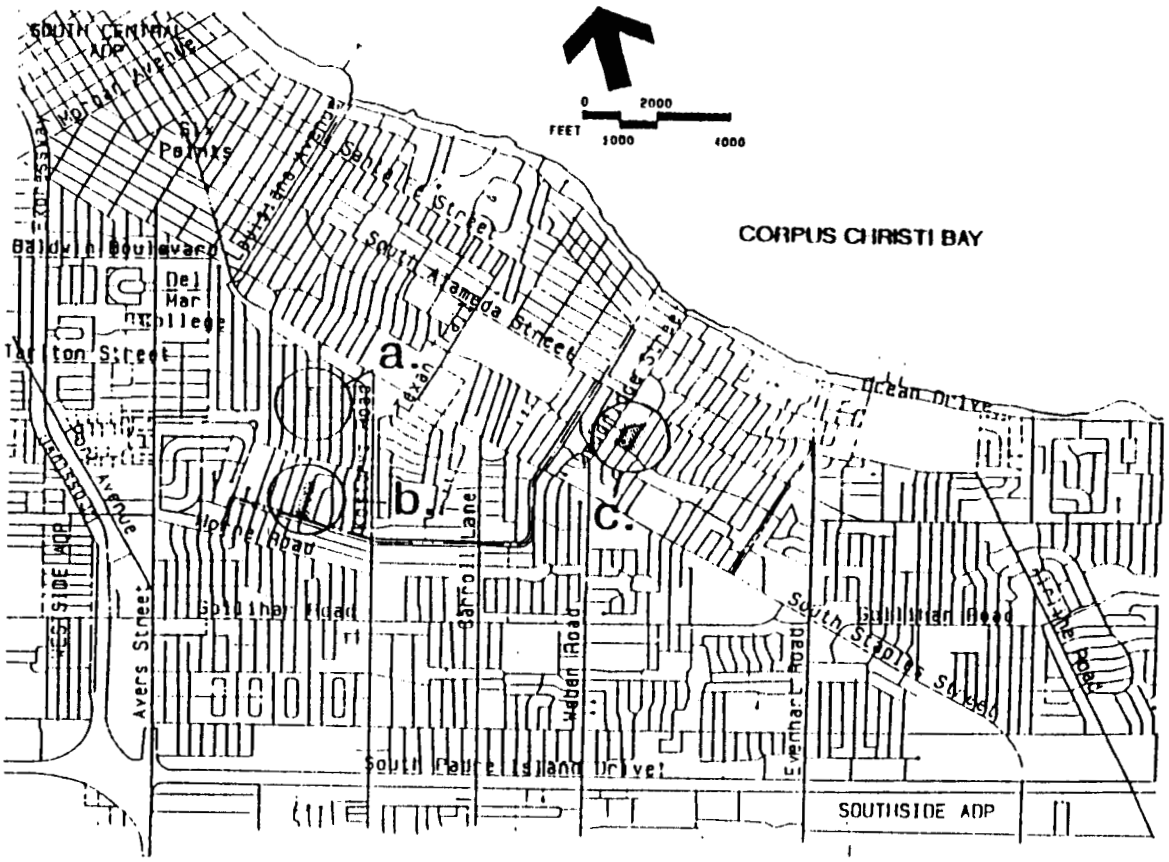
Ocean Drive is a unique, scenic, predominately single family residential arterial from Morgan Avenue to Alameda and rezonings to higher density multi-family or commercial should not be entertained favorably.

POLICY STATEMENT B.7

Several areas are completely developed with stable single family residential land use but are zoned multi-family. These areas should be rezoned from multi-family zoning to single family zoning in order to protect the existing stable single family residential uses:

- **a. Maryland and Devon Streets between Blevins and Orlando Streets;**
- **b. Lazy Lane north of Brawner Parkway to existing multi-family uses; and**
- **c. Wilshire Place and Delaine Drive between Alameda Street and Reid Drive.**

FIGURE 4 PROPOSED AREAS FOR REZONING FROM MULTI-FAMILY TO SINGLE FAMILY



POLICY STATEMENT B.8

The City encourages development that is compatible with the Naval Air Station, and other air installations. A primary concern associated with these Naval facilities is land use compatibility in the Navy's Air Installation Compatible Use Zones (AICUZ). These are areas where, due to frequency of over flights and other factors, a measurable potential for aircraft accidents is present. The geographic areas covered by these zones may change in the future due to changes in operations at the air fields, changes in the aircraft using the runways or other factors. The City should maintain constant contact with the Navy to maintain accurate record of any changes to these zones and change as appropriate any city regulations pertaining to these AICUZs.

Most of the land area in the Southeast area affected by clear zones and accident potential zones is on Ward Island. A small portion of Ward Island is privately owned and this policy and subsequent ordinances could be applied to the private property. However, most of Ward Island is owned by the State of Texas (Texas A&M University - Corpus Christi). Because Texas A&M University-Corpus Christi is an entity of the State of Texas, zoning regulations and other codes and requirements can not be applied to this area without the permission of the State of Texas. Therefore, the City should encourage the Texas A&M University-Corpus Christi to balance its needs for expanding the University with the guidelines and safety concerns expressed by the City and Navy in these areas.

Within AICUZs there are three areas with different degrees of accident potential: Clear Zones (CZ); Accident Potential Zone 1 (APZ-1); and Accident Potential Zone 2 (APZ-2). Naval guidelines suggest that Clear Zones be purchased by the Navy as they are the most hazardous areas. Accident Potential Zone 1 is the second highest area of concern and Accident Potential Zone 2 is least hazardous of the three areas.

Existing zoning ordinance regulations do not comprehensively address concerns associated with land use compatibility in the Navy's Accident Potential Zones. Dense residential developments or non-residential uses which congregate large groups of people should be prohibited in Accident Potential Zones.

Due to the significant amount of existing development within these APZs it is not feasible, at this time, to strictly follow the Navy's use guidelines which call for:

o a. Accident Potential Zone 1 - prohibit residential uses and non-residential uses which may congregate large groups of people.

o b. Accident Potential Zone 2 - limit residential development to 1 or 2 units per acre and prohibit non-residential uses that may congregate large groups of people.

Given these concerns the following short and long term objectives are recommended:

■ SHORT TERM OBJECTIVES

o a. The City encourages the Navy to continue purchasing any remaining clear zone areas as these are the most hazardous of the Navy's Air Installation Compatible Use Zones.

o b. Non-residential uses and residential uses that may congregate large groups of people should be prohibited from locating in APZ - I or APZ - II areas. The City should create an APZ Overlay Zone, for APZ areas (see Figure 5), to prohibit the following new and similar uses in any underlying base zoning districts:

- hospitals
- places of worship (indoor or outdoor)
- schools/universities
- stadiums/athletic fields
- fairgrounds/circus grounds
- child care centers/nursing homes
- theaters/auditoriums (indoor or outdoor)
- exposition halls
- clubs and bars with seating for more than 50 people or for more than 100 persons per acre
- amusement park
- motels/hotels
- public swimming pools, or natatoriums
- any private or public facility for assembly, which averages more than 100 persons per acre.
- any new residential use with a density of greater than 1 unit per net (does not include street right-of-way or other public properties) acre for APZ-1 and 2 units per net acre for APZ-2 except where the base zoning is more restrictive, then use base zoning residential density/use requirements.

In addition, storage of explosives should be prohibited in any Clear Zone or Accident Potential Zone.

o c. City housing rehabilitation programs should only be used in areas where residential land use is recommended and where residential zoning exists.

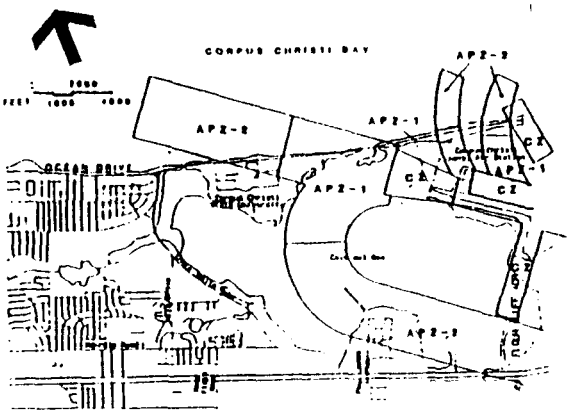
o d. Public purposes being served by existing and planned expansion to Texas A & M University - Corpus Christi are considered appropriate.

o e. Consider rezoning (base zoning district) of vacant, and unplatted property that is not consistent with AICUZ objectives. The remaining vacant unplatted property east of South Bay Subdivision located under APZ - 2 should be considered for rezoning, consistent with these objectives.

■ LONG TERM OBJECTIVES:

o a. Continue overlay zone requirements contained in the short term objective and consider prohibiting new residential uses in APZ-1.

FIGURE 5 AIR INSTALLATION COMPATIBILITY USE ZONE



CZ

Clear Zone - acquired by Navy; no development recommended.

APZ-1

Accident Potential Zone I significant potential for aircraft accidents; recommend no residential, commercial, or industrial development congregating large groups.

APZ-2

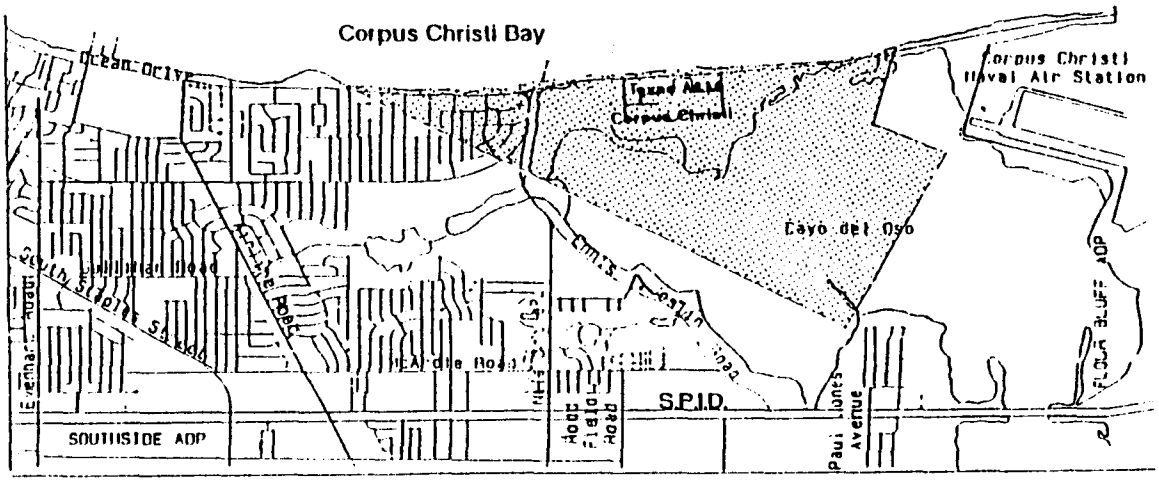
Accident Potential Zone II - measurable potential for aircraft accidents; recommend limited residential development (1 to 2 dwelling units /acre). Commercial and industrial development limited to uses not congregating large groups.

POLICY
STATEMENT
B.9

The Joint Airport Zoning Board should amend the Military Airport Zoning Height Regulations to address the Horizontal Imaginary Surface height limitation guidelines established by the Navy for the Naval Air Station. (see Figure 6) The City's current height limitation zoning ordinance meets minimum height restrictions of the Federal Aviation Administration (FAA). However, the Navy has published height limitation guidelines that, in some areas, would be more restrictive then the FAA requirements and the current city airport zoning ordinance. Figure 6 below displays those areas where a more restrictive height limitation is recommended. It is important that new development not intrude into the Horizontal Imaginary Surface as this aircraft approach is use during times when visibility is poor, and for pilot training.

If this policy is adopted, implementation could be required of all new development on private property. However, the City cannot restrict development of State lands. Therefore, the City should encourage Texas A&M University-Corpus Christi on Ward Island, to discuss future development with the City and Navy and balance development needs in a way that will not limit or place continued operation of NAS Corpus Christi in jeopardy.

FIGURE 6 NAS HORIZONTAL IMAGINARY SURFACE



Areas where the existing Military Airport Zoning Ordinance would allow construction heights greater than provided under the Horizontal Imaginary Surface (backup to primary approach) established by the Navy for the Naval Air Station.

POLICY
STATEMENT
B.10

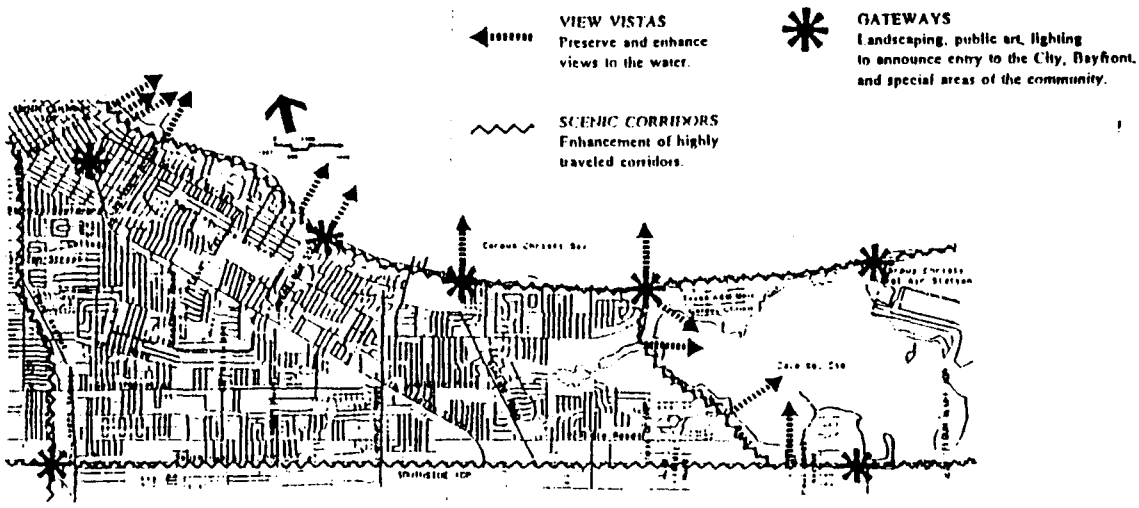
The City should establish development regulations along streets designated as scenic corridors, and at points designated for view vistas and gateways. (See Figure 7)

<u>Scenic corridors</u> are rights-of-way where the City wishes to enhance highly traveled streets or entry ways. The primary emphasis is on providing an attractive view from a vehicle or pedestrian passing.

View vista defined as points of public land where the City wishes to preserve a clear line of site to a natural or manmade feature. Those features might include a bay, a special district, or an historic structure. Primary emphasis is on the view from a right-of-way corridor to the point of interest.

Gateways are designed to give a sense of place marking passage from one area to another. For example, Six Points, the intersection of Ocean Drive and Alameda Street, and the intersection of South Padre Island Drive and Crosstown Expressway. Major landscaping, public art, and special effect lighting are appropriate at gateways. When these improvements are made they will create a more distinct and memorable place.

FIGURE 7 SCENIC CORRIDORS, VIEW VISTAS, AND GATEWAYS



View vistas should be under public control whenever possible or protected through special permits as appropriate.

Design objectives along view and scenic corridors and gateways include:

- a. Landscaping on private property should be consistent with the Landscape Ordinance and the planting theme established in the area (i.e. Ocean Drive area median with it's palm plantings)
- b. Private and public signage of all types should have stringent design controls consistent with the tourist and recreational theme of the Bayfront. Public signage should be standardized and billboards and portable signs should be eliminated;
- c. Utilities should be placed underground; and
- d. Public art projects could be placed in gateways and strategically located in scenic corridors, consistent with the Municipal Arts Commission's public art guidelines and plan.

POLICY STATEMENT B.11

Much of the area long Everhart Road between SPID and Staples Street is transitioning from residential, office and neighborhood commercial use to a more intensive commercial use. As this transition occurs the City will encourage the most intensive nodes of commercial development at the intersection of SPID and Staples Street. Between these high intensity nodes of commercial development the City will encourage a transition to a combination of unrestricted neighborhood commercial uses and some limited general commercial uses.

Over a period of years the increase in traffic flow on Everhart Road has made residential areas less desirable for residential use and attractive for intensive commercial redevelopment. The City's Special Permit (Zoning Ordinance) has been used to grant general commercial uses for many of these properties while retaining the underlying low intensity zoning district. As this area continues to redevelop with commercial uses, the City should require property owners to develop their properties in a way that will minimize negative impacts to adjacent residential neighborhoods and lessor commercial uses still going through transition. The following design objectives and list of prohibited uses should be applied to this area.

- a. No loading areas allowed within 50' of the rear property line and within 10' of the side property lines which abut single family zoning districts.
- b. No trash dumpsters allowed within 50' of the rear property line and within 10' of the side property lines which abut single family zoning districts.
- c. Lighting directed away from residential areas.
- d. No public address systems allowed and noise attenuation techniques may be required. For example, noise attenuation may include an eight foot screening wall instead of a standard 6' fence. Another example might be to prohibit garage doors along the rear of a building (side next to residential zoned area) to reduce noise from auto repair shops.
- e. Prohibited uses - uses associated with noise or high traffic generation beyond the usual business hours of 8 a.m. to 7 p.m. should be prohibited. Such uses would include but are not limited to bars, clubs, dance halls or taverns; billiard parlors, bowling alleys, or skating rinks; 24 hour printing, publishing or engraving.

Implementation of these design objectives should be accomplished by the existing Special Permit process.

C. TRANSPORTATION

PLAN STATEMENT C.1

The City Council adopts the Transportation Plan (see Figure 8) as the guide for future transportation decisions. Wherever this transportation plan calls for additional rights-of-way (than currently exists), such future right-of-way line is considered to be the property line when measuring building setbacks, in order to prevent construction of buildings, signs or any other permanent structures that would block these future rights-of-way. The transportation network of this plan constitutes an amendment to the City's Transportation Plan. These changes, which are a function of Texas Department of Transportation funding, will be submitted for review and inclusion in the Metropolitan Planning Organization's Urban Transportation Plan. Changes to the City's Transportation Plan include:

- a. Make Ocean Drive's planned cross-section consistent with its existing improvements of four lanes with landscaped median. A long term objective of the plan is to protect and preserve this truly unique scenic corridor. Another major objective for future improvement of this boulevard is to increase pedestrian safety by allowing dedication of sidewalk easements in locations where sidewalks are not available or where the sidewalk is too narrow in lieu of the otherwise required right-of-way dedication. Because so much of this highway segment is already developed and the potential for acquiring the right-of-way or easement through the platting process is very limited. Therefore, public acquisition through purchase will be required in many cases.

- b. Continue the theme of Ocean Drive's landscaped median along the Cayo Del Oso and accommodate larger volumes of traffic to Texas A&M University-Corpus Christi and the Naval Station by upgrading Ennis Joslin ultimately to six travel lanes with landscaped median within 120 feet of ROW. However, interim, or medium range, improvements may be constructed with lesser improvements as dictated by traffic warrants and funding limitations. Median cuts for left turns on the ultimate roadway should be reduced to protect traffic carrying capacity. Such median cuts may occur at street intersections;

- c. In the long term, as traffic congestion on Ocean Drive continues to increase the level of service on Alameda, Santa Fe and 3rd street should be improved in order for these arterial to function as overflow or relief routes for commuter through traffic. The following long range improvements should be accomplished to provide relief to Ocean Drive traffic congestion;

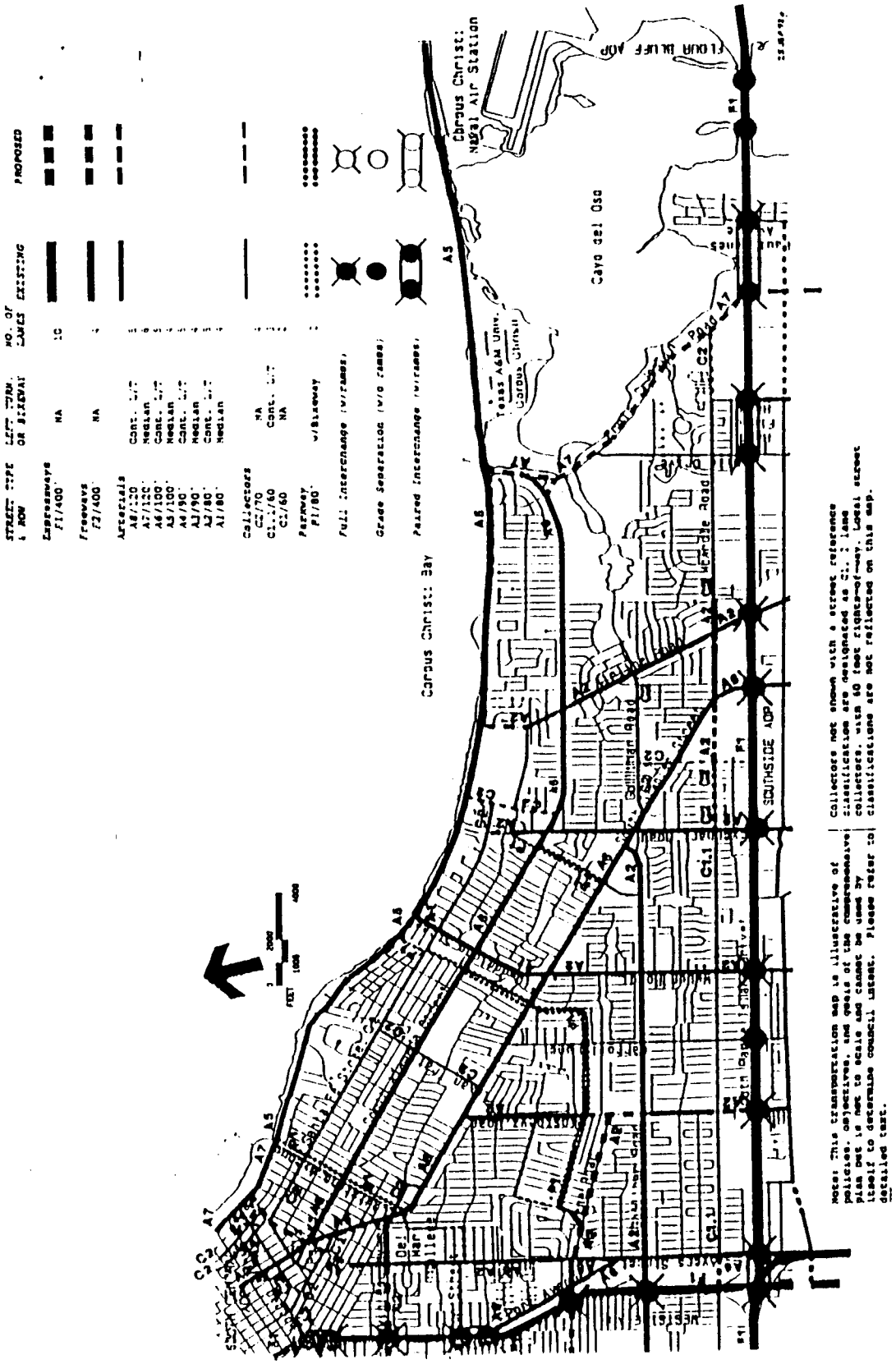
  1) Improve through movement of traffic on Alameda, Santa Fe and 3rd street with "real-time" traffic responsive signal coordination.

  2) Provide a smoother connection between Ennis Joslin Road and Alameda Street. (see Figure 8) This will provide more direct traffic flow between Ennis Joslin and Alameda, thus serving to relieve commuter through traffic from Ocean Drive.

  3) Provide a more direct connection of Santa Fe Street with Third Street. The preferred connection is illustrated on Figure 10, where Third Street would be realigned (approximate alignment), between Elizabeth and Ayers Streets, near Spohn Hospital.

  4) Preserve the opportunity (via existing street and drainage right-of-way) for an Everhart to Santa Fe connection as one of several options to relieve congestion on Alameda Street and on Aberdeen Avenue.

FIGURE 8 TRANSPORTATION PLAN



5) Analyze the need for a RTA park and ride facility throughout the study area and the city. The primary function of such a facility is to reduce congestion, consumption of fuel, and to protect the air quality. A secondary benefit is the relief of the parking requirement at Texas A&M University-Corpus Christi freeing the limited space available for education and related activities and buildings. Such a facility should include security.

- d. Redesignate Ayers Street, between Ocean Drive and Baldwin Boulevard, 80 foot arterial with five lanes;

- e. Reduce the proposed cross-section on Ayers Street, south of Baldwin Avenue, from 100 foot arterial with 7 lanes to an 80 foot arterial with five lanes;

- f. Redesignate Elizabeth Street, between Ocean Drive and Brownlee Boulevard, from an 80 foot arterial with five lanes to a 70 foot collector with four lanes;

- g. Increase the proposed cross-section of Brownlee Boulevard, between Morgan Avenue and Staples Street, from a two lanes collector to an 70 foot collector with four lanes;

- h. Designate Booty Street as a 60 foot collector with two travel lanes;

- i. Designate Alameda Street north of Booty as a 60 foot collector with two travel lanes;

- j. Designate Naples Street, between Staples and Blevins Streets, as a 70 foot collector with 4 lanes;

- k. Decrease the proposed cross-section of Ramsey Street, between Horne Road and Brawner Parkway, from an arterial with five lanes to an 70 foot collector with four lanes;

- l. Increase the proposed cross-section of Horne Road, between Ramsey Street and Kostoryz Road, from a two lane collector to a 70 foot collector with four lanes;

- m. Redesignate proposed cross-section of McArdle Road between the Crosstown Expressway to Holmes Street/Lions Park, from two lanes to a 60 foot collector with 2 lanes and a center left turn lane and no parking;

- n. Redesignate McArdle Road between Holmes Street/Lions Park to Crescent Street from a collector to an arterial with 80 feet of right-of-way, 4 lanes and a continuous center left turn lane.

- o. Redesignate proposed cross-section of McArdle Road between Crescent Street and Ennis Joslin Road, from two lanes to a 70 foot collector with four lanes with no parking between Nile Drive and Ennis Joslin Road.

- p. Extend Mustang Trail, between Staples Street and S.P.I.D., as a 70 foot, 4 lane network-serving collector;

- q. Retain only those collectors, as indicated in Figure 8, which are currently or projected to meet the traffic demands as an urban collectors on the Transportation Plan. Reclassify the following

streets, which are indicated on the current Transportation Plan as urban collectors, to minor collectors or residential streets. Identify and amend the Urban Transportation Plan to reflect these changes:

- Angel/Breezeway/Oleander Streets
- Churchill/Shely/Logan Streets
- Blevens Street (between Naples and Staples Streets)
- Casa Linda Street(Norton to Staples)
- Swantner Street (Texas to Glazebrook)
- Reid Drive
- Rossiter Street
- Center Street
- Dulaine Street
- Ft. Worth Street
- Catalina Street
- Harry Street
- Belmeade Street
- Gollihar Road (Airline to Belmeade)
- Harbor Lights/Cayo Drive

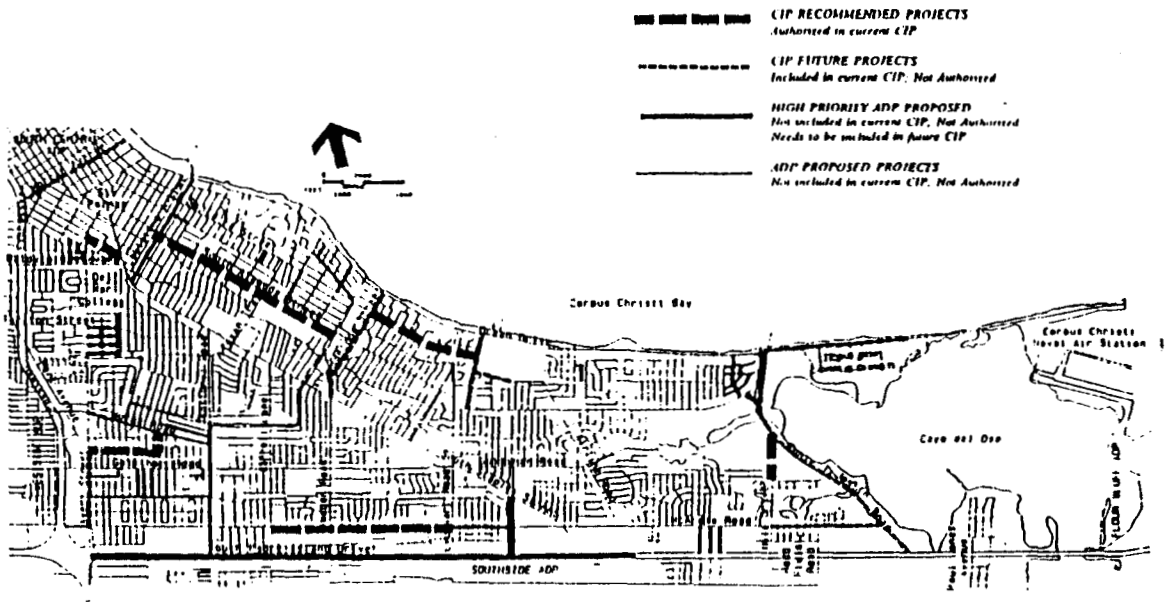
POLICY
STATEMENT
C.2
CAPITAL IMPROVEMENT NEED

Policy objectives in descending order of priority for improvements should be projects that will efficiently serve the Southeast Area with emphasis on:

- **a. Completion of currently authorized street projects;**
- **b. Improve entry/exit access and traffic capacity enhancements for the SH 358 (SPID) expressway and other arterial and collectors streets as identified in the "Analysis of Retail Development and Adjacent Transportation Infrastructure in the City's Southside," and MPO study from FY 92/93;**
- **c. Improving access to and from Texas A&M University-Corpus Christi; and**
- **d. Relieving of congestion and creating a safer pedestrian environment on Ocean Drive.**

The following is a prioritized list of transportation improvement projects (see Figure 9) for the Southeast area. This prioritized list is subject to change during the City's annual capital improvement prioritization process. The list is broken down into four categories:

FIGURE 9 TRANSPORTATION IMPROVEMENT PLAN



- a. CIP Recommended Projects - authorized in current Capital Improvement Program;

  1) McArdle Road - Everhart Road to Carroll Lane - curb/gutter/sidewalk improvements.(Funded with 1986 bond monies; construction scheduled to be completed in 1995)

  2) Del Mar Neighborhood street improvements - street reconstruction and curb/gutter/sidewalk improvements. [Phase 2 (completed) & Phase 3 under construction by 1994, funded with 1986 bond monies; Phase 1 will be the last phase to be completed]

  3) Street Overlay Program - Alameda Street between Louisiana and Doddridge; and Santa Fe Street between Doddridge Street and Robert Drive. (Approved in 1986 Bond Program - bond monies not sold)

  4) Wynn Seale School Area street improvements - curb/gutter/sidewalk improvements. [Phases 1 (under construction) & 2 funded with CDBG monies; Phase 3 needs funding from future CDBG program]

  5) Nile Drive - Ennis Joslin Road to Pharaoh Drive - curb/gutter/sidewalk improvements. (Approved in 1986 bond program; bond monies programmed to be sold in 1993 and construction to be completed in 1995) Construction of Nile Drive improvements will be coordinated with TxDOT's Spur 3/Ennis Joslin improvements.

  6) Alexander and Greengrove Streets - curb/gutter/sidewalk improvements. (Approved in 1986 bond program as part of SPID/Ayers Street Area Streets; bond monies programmed to be sold in 1992 and construction to be completed in 1994)

7) Traffic Signal Improvements - Improve traffic control throughout the plan area through the use of "real-time" traffic responsive signal control.

8) Texas A&M University-Corpus Christi Access Improvements:

a) Ocean Drive, Alameda Street and Ennis Joslin Road Intersections;

b) Ennis Joslin Road - Alameda Street to SPID; and

c) Ocean Drive - Alameda to Texas A&M University-Corpus Christi.

■ b. CIP Future Projects - included in current CIP, however, not authorized;

9) McArdle Road - Everhart Road to Holmes Street - street widening and curb/gutter/sidewalk improvements.

10) Ayers Street - Port to Nemec - street widening and curb/gutter/sidewalk improvements.

11) Robert Drive - Ocean Drive to Alameda Street - street widening and curb/gutter/sidewalk improvements.

12) Street Overlay Program:

a) Morgan - Ocean Drive to Crosstown Expressway; and

b) Doddridge - Ocean Drive to Staples Street.

13) Horne Road - Ramsey Street to Kostoryz - curb/gutter/sidewalk improvements.

14) Sidewalk Improvement - Cole Park.

15) Divert existing through traffic on Everhart Road east of Alameda away from Aberdeen Street.

16) McArdle Road - Nile Drive to Ennis Joslin Road - street widening and curb/gutter/sidewalk improvements.

17) Santa Fe/Third Street Connection. (See Figure 11)

18) Bonita Addition Street Improvements - curb/gutter/sidewalk improvements.

19) Southmoreland Addition Street Improvements - curb/gutter/sidewalk improvements.

20) Gaines Street - Robert Drive to Ashland Street - curb/gutter/sidewalk improvements.

21) Crosstown Expressway pedestrian barriers.

■ c. High Priority ADP Projects not included in current CIP and should be added to the CIP Recommended category.

22) Facilitate traffic capacity along SPID frontage roads and signalized interchanges. Possible solutions include ramp reversal, ramp relocation, ramp scissoring, signalized signal control along frontage roads, etc. Other possible solutions may be derived from the MPO study entitled "Analysis of Retail Development and Adjacent Transportation Infrastructure in the City's Southside."

23) Mustang Trail - extend as a network serving collector between South Staples Street and South Padre Island Drive.

24) Alameda Street - Ocean Drive to Ennis Joslin Road - improvements to accommodate Texas A & M University - Corpus Christi (TAMU-CC) increased student population.

25) Ennis Joslin extension to Alameda - through the northeast portion of Oso Beach Municipal Golf Course. This street improvement would require the rearrangement of several golf holes.

26) Santa Fe Street widening - Doddridge to extension of Everhart Road. The extension of Everhart Road to Santa Fe would also require the narrow pavement width within the section of Santa Fe to be widened to provide minimum 11 feet wide travel lanes.

■ d. ADP Proposed Projects not included in current CIP and should be included in the Future CIP category.

27) Kostoryz Road - SPID to Brawner Parkway - increase from four lanes to five lanes with a continuous center left turn lane.

28) Houston Street - Kostoryz to Greengrove - street widening and curb/gutter/sidewalk improvements.

29) Louisiana Boulevard (northbound only) - Ocean Drive to Staples reconstruction of the street, and Lawnview Street - Louisiana to Texas - curb/gutter/sidewalk.

30) Ayers Street - Ocean Drive to Six Points - street reconstruction.

31) Morgan Street - Ocean Drive to Crosstown Expressway - street widening and curb/gutter/sidewalk improvements.

32) McArdle Road Extension - Ayers to Crosstown Expressway.

33) Sunnybrook Area Streets - curb/gutter/sidewalk improvements.

34) Rossiter Street - Alameda to Santa Fe - curb/gutter/sidewalk improvements.

35) Glazebrook Street - Alameda to Santa Fe - curb/gutter/sidewalk improvements.

36) Wray Lane - Paloma to Jarvis - curb/gutter/sidewalk improvements.

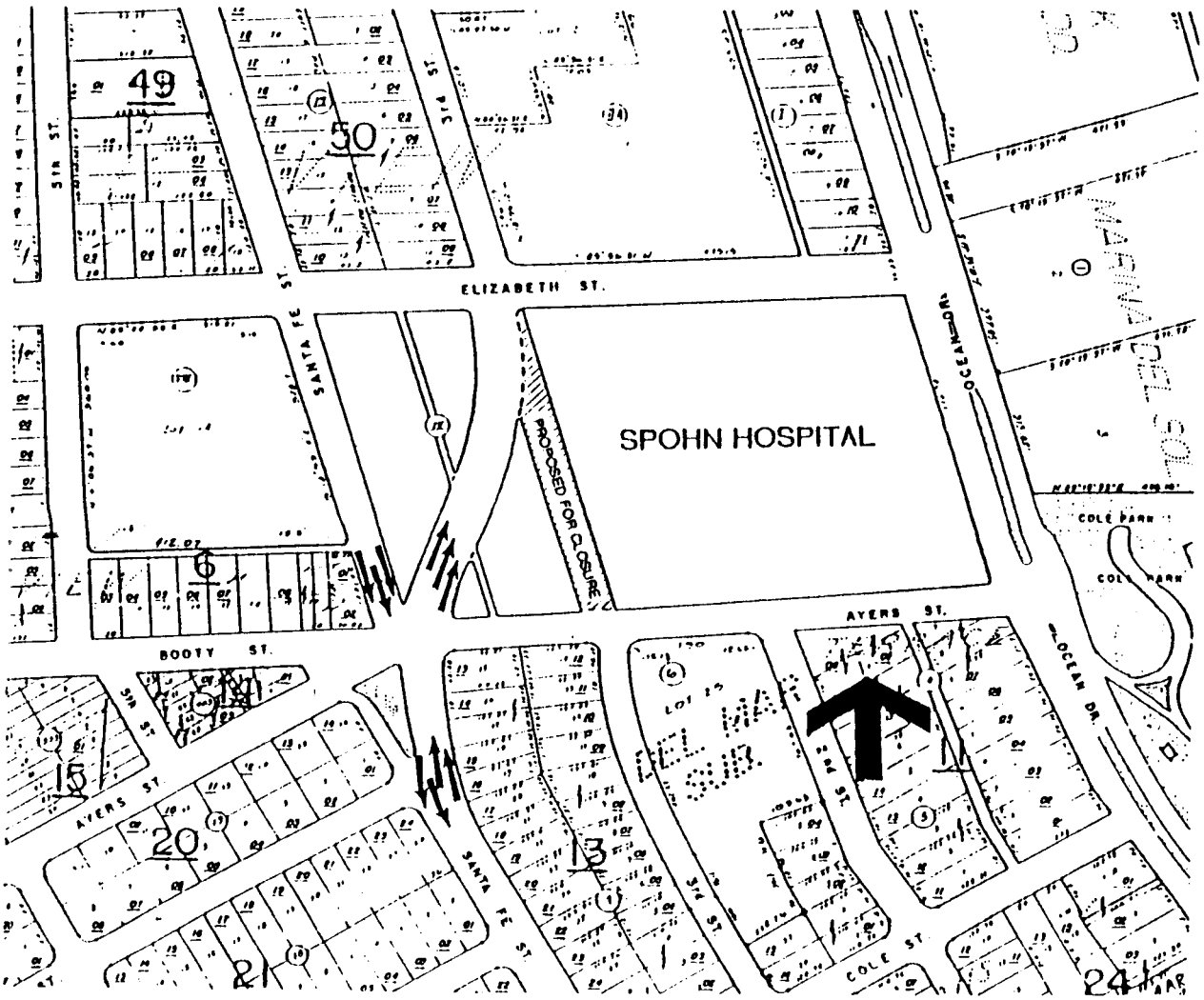
37) Aransas Cliffs Area Streets - curb/gutter/sidewalk improvements.

38) Daly/Clare Area Streets - curb/gutter/sidewalk improvements.

39) Kentner Street - Clairmore to Glenmore - curb/gutter/sidewalk improvements.

40) Edgewater Terrace Area Streets - curb/gutter/sidewalk improvements.

FIGURE 10 REALIGNMENT OF THIRD STREET WITH SANTA FE STREET

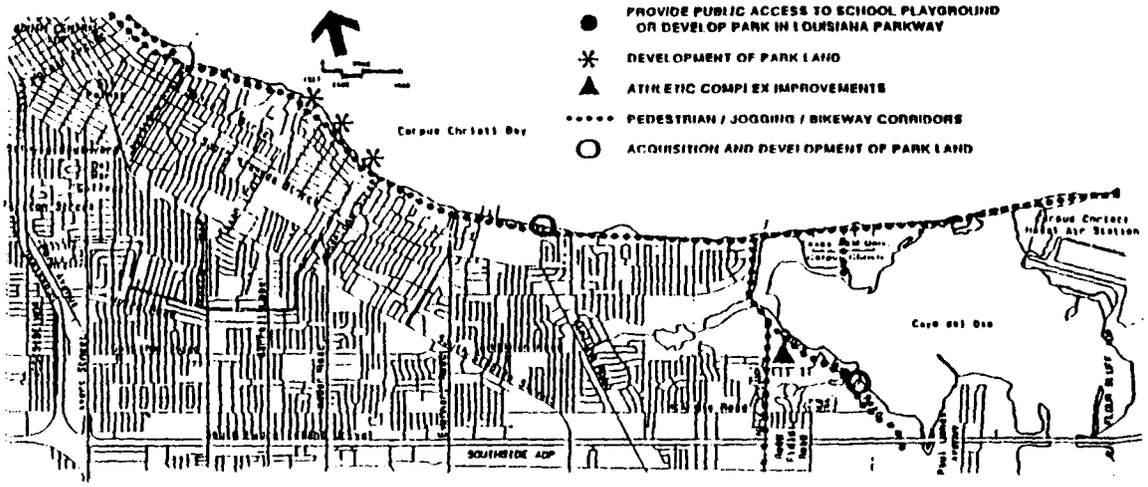


D. PUBLIC UTILITIES AND SERVICES

PARKS AND RECREATION

POLICY
STATEMENT
D.1
The City Council adopts this Parks Facilities Plan as a guide for future Southeast Area park improvements. (See Figure 11)

FIGURE 11 PARK FACILITIES PLAN



POLICY
STATEMENT
D.2
CAPITAL IMPROVEMENT NEED
Adequate funds for the following prioritized improvements should be included in future capital improvement programs:

- **a. Public access to Menger Elementary playground should be pursued with CCISD. If access cannot be provided, the City should develop a neighborhood park within Louisiana Parkway between Alameda and Santa Fe Streets;**

- **b. Renovate existing parks;**

- **c. Develop the Bay Trail pedestrian/bikeway. Note, the Traffic Engineering Division, Park and Recreation Department, and the Planning and Development Department are formulating a comprehensive areawide bikeway plan.**

- **d. Use of private and governmental facilities for more efficient service delivery of both recreational and senior community services;**

- **e. Improve drainage, parking, concession and restroom facilities, lighting, fencing and other needed improvements for the athletic complexes at Price, Botsford and South Guth Parks; and**

- **f. Purchase and develop bayfront view vista points at the:**

  1) Intersection of Ocean Drive and Airline Road; and

  2) Outfall area of the Pharaoh Country Club drainageway.

POLICY
STATEMENT
D.3
As redevelopment occurs in the Southeast area the park system should be evaluated (at least every five years) to figure out the need for existing parks. Where residential areas have been redeveloped for commercial uses, existing parks should be considered for designation as surplus property and sold. Where feasible, the proceeds from sale of surplus park land (referendum required) should be set aside for improvements to those parks most likely to serve nearest residential neighborhoods.

POLICY
STATEMENT
D.4
The City should continue to encourage park land purchase, donation and dedication along the Corpus Christi Bay and the Cayo Del Oso.

SENIOR COMMUNITY SERVICES

POLICY
STATEMENT
D.5
Additional senior community services should utilize expansion of existing recreational centers and senior community facilities, and possibly existing religious, educational and commercial facilities. This will provide senior services more effectively, allowing for maximum flexibility as recreation needs change while reducing the need for costly new structures.

WATER AND WASTEWATER SYSTEMS

POLICY
STATEMENT
D.6
Conduct critical analysis and needs assessment of the water distribution and wastewater collection systems. One of the most critical service issues facing the Southeast area is the failure rate of the ageing water and wastewater distribution and collection systems. This assessment should include a long-range improvement program which addresses replacement needs of deteriorating infrastructure. This assessment should also take into account projected long-range uses according to the proposed Land Use and Development Plan. These studies will help to prioritize and target capital improvements and assure replacement and, where necessary, upgrades to the existing water/wastewater systems.

POLICY
STATEMENT
D.7
CAPITAL IMPROVEMENT NEED
Provide increased water supply and wastewater collection capacity to Texas A&M University-Corpus Christi to meet the anticipated needs of the University's programmed expansion. For planning purposes these improvements should, at a minimum, provide sufficient capacity to accommodate growth for a full-time equivalent student population of 3,000 for 1994, 4,500 for 2000, and 9,000 for 2010. These improvements should be coordinated with planned improvements to the roadway of Ocean Drive, and proposed expansion of gas, wastewater, electrical, telephone, and cable services.

STORMWATER SYSTEM

POLICY
STATEMENT
D.8
Amend the Master Stormwater Drainage Plan for the Southeast Area as well as the rest of the City to comply with the U.S. Water Quality Act of 1987. The City's Engineering Services Department should initiate a study to amend the Master Stormwater Drainage Plan and any other affected plans such as the Urban Transportation Plan, etc., to comply with this Act.

NATURAL GAS SYSTEM

POLICY
STATEMENT
D.9
Continue the present policy to provide service as development occurs, including providing expanded service to Texas A&M University-Corpus Christi.

COMMUNITY DEVELOPMENT SERVICES

POLICY
STATEMENT
D.10
City housing rehabilitation programs should only be used in areas where residential land use is recommended and where residential zoning exists.

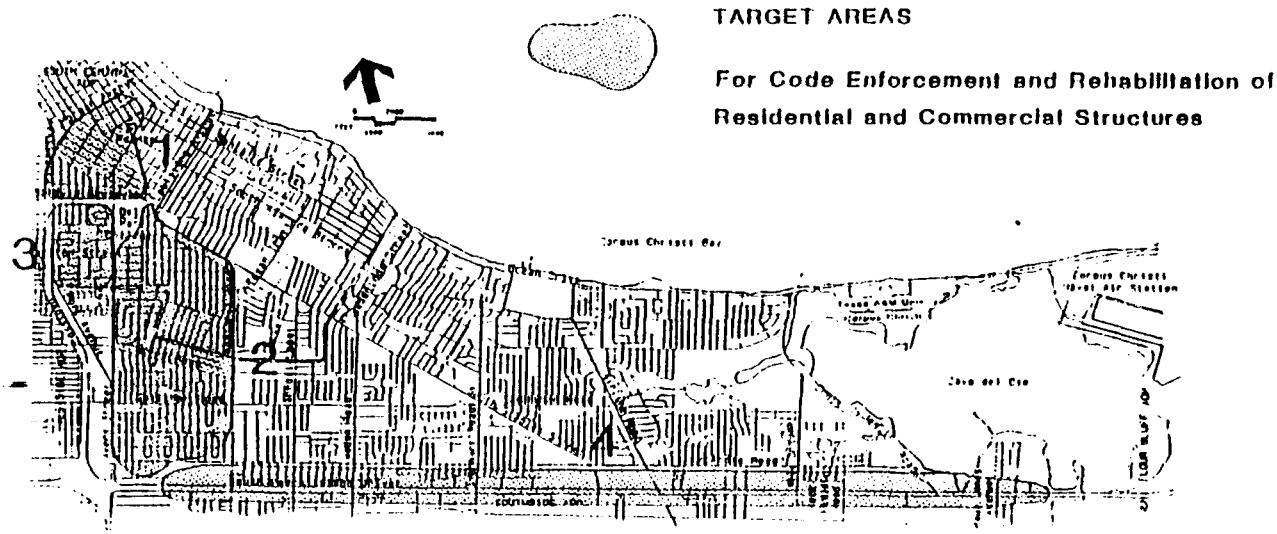
POLICY
STATEMENT
D.11
Community Development should target code enforcement and rehabilitation programs for those areas with the most severe housing, commercial, sanitation, brush pick-up, and animal control problems. Areas 1, 2, and 3 (see Figure 12) are characterized by a wide range of housing conditions. It is important that the city actively promote code enforcement and rehabilitation programs to prevent further deterioration of property and to help prevent the spread of such deterioration to adjacent neighborhoods to the east. Furthermore, to assist in conserving these

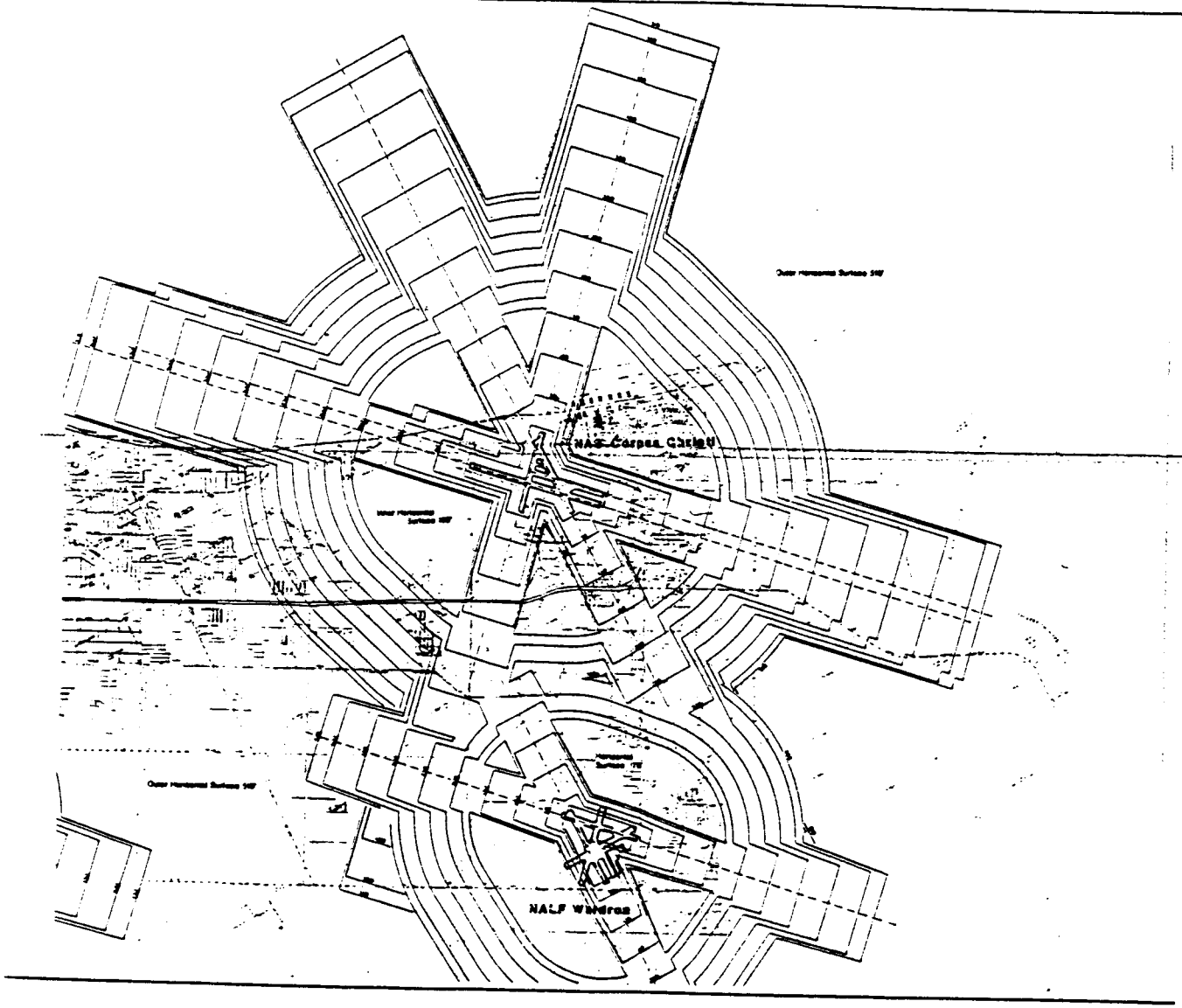
neighborhoods the City should, when funds area available, improve substandard neighborhood streets without requiring property owner assessments.

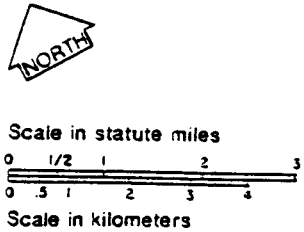
The commercial areas in Area 4, along SPID, are also targeted as this is one of the most visible and highly traveled corridors in the City. Code compliance and overall community appearance from SPID along this corridor is especially important since it is the only route through the city to the barrier island visitor areas.

As part of the periodic comprehensive plan review procedure, the City should reevaluate the target areas and establish whether these areas should continue to be targeted, re-prioritized, or if other areas should be included in the program.

FIGURE 12 CODE ENFORCEMENT TARGET AREAS



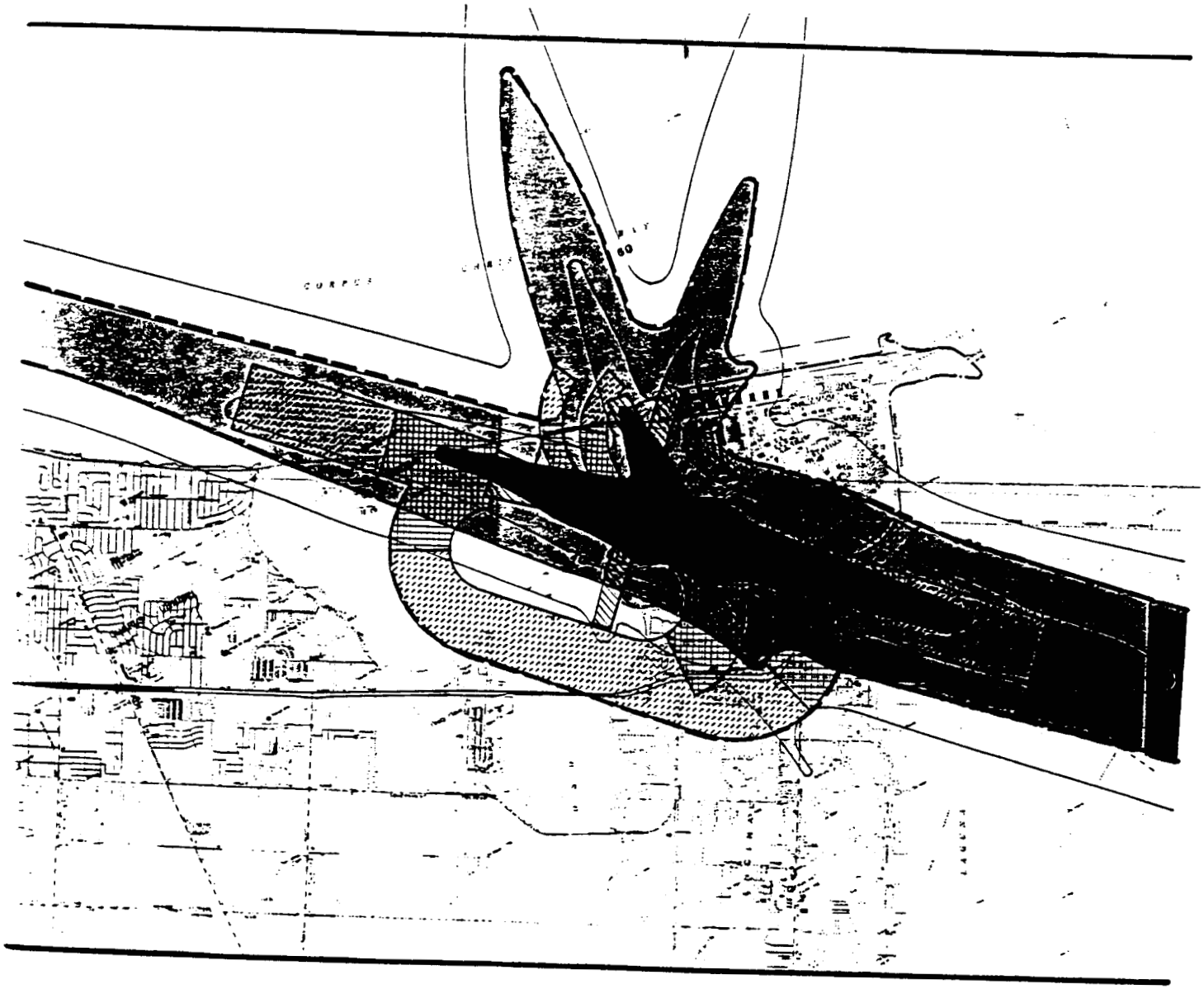




Naval Air Station
Corpus Christi, Texas

Imaginary surfaces

figure IV



Legend

Noise Zones

1 2 3

Accident Potential Zones

3

2

1

CZ

AICUZ Footprint

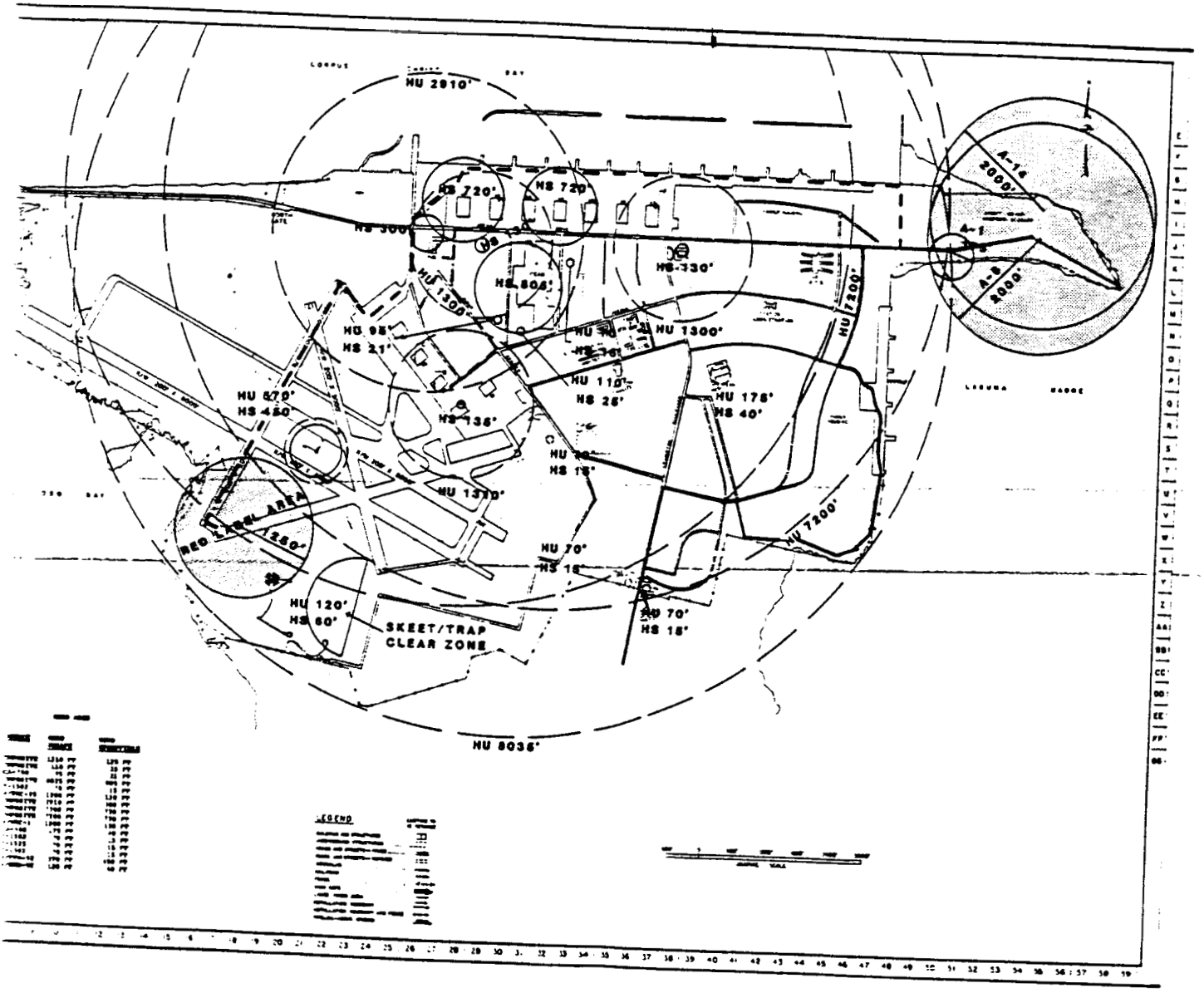
Naval Air Station
Corpus Christi, Texas

AICUZ

Scale in Thousands of Feet

0 2 4 6 8 10

NORTH



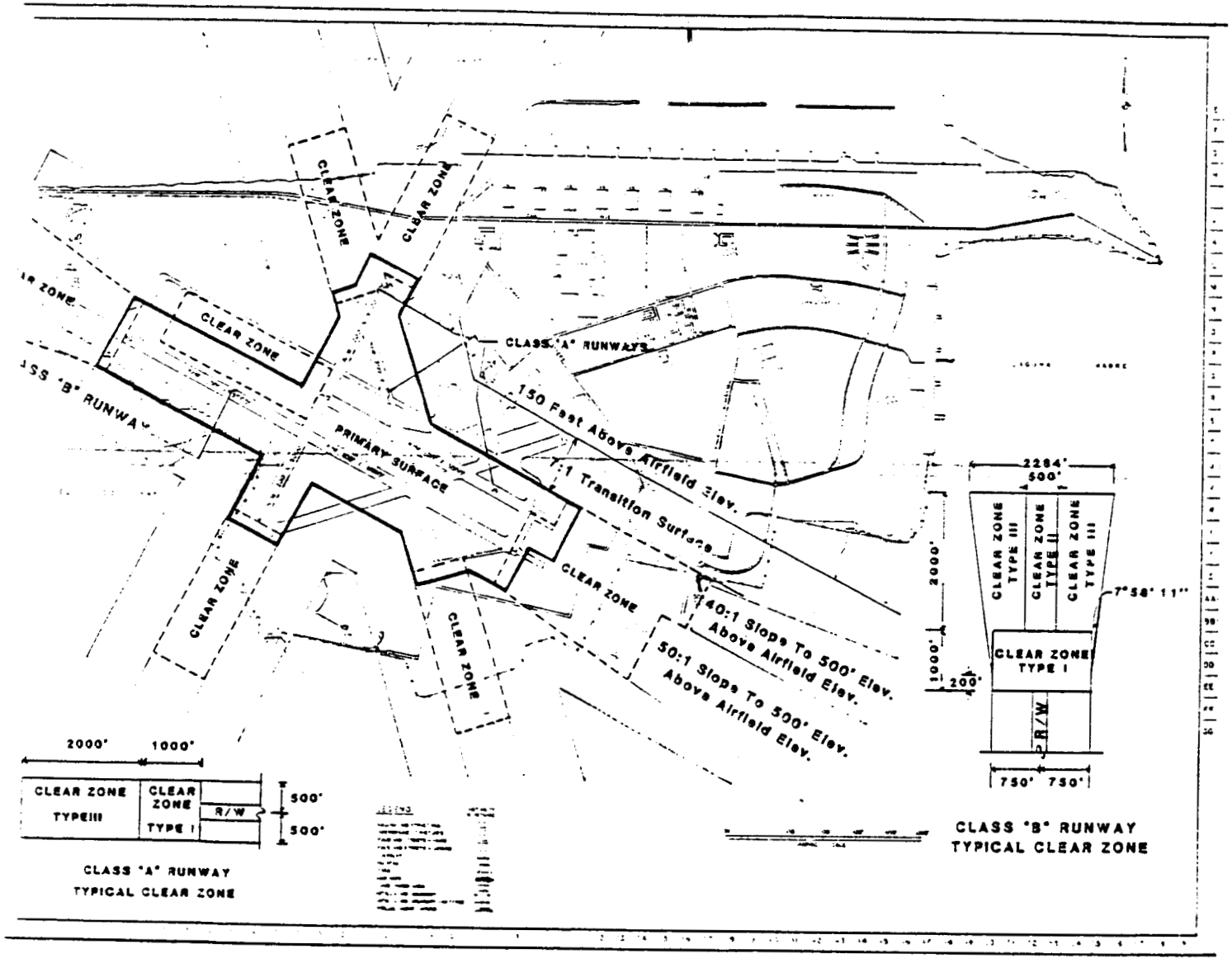
Legend

- Explosives handling anc
- EMR: HU--hero unsafe
  HS--hero suscepti:
- Limited Route
- Primary Route

Naval Air Station
Corpus Christi, Texas

Safety distance arcs

fig



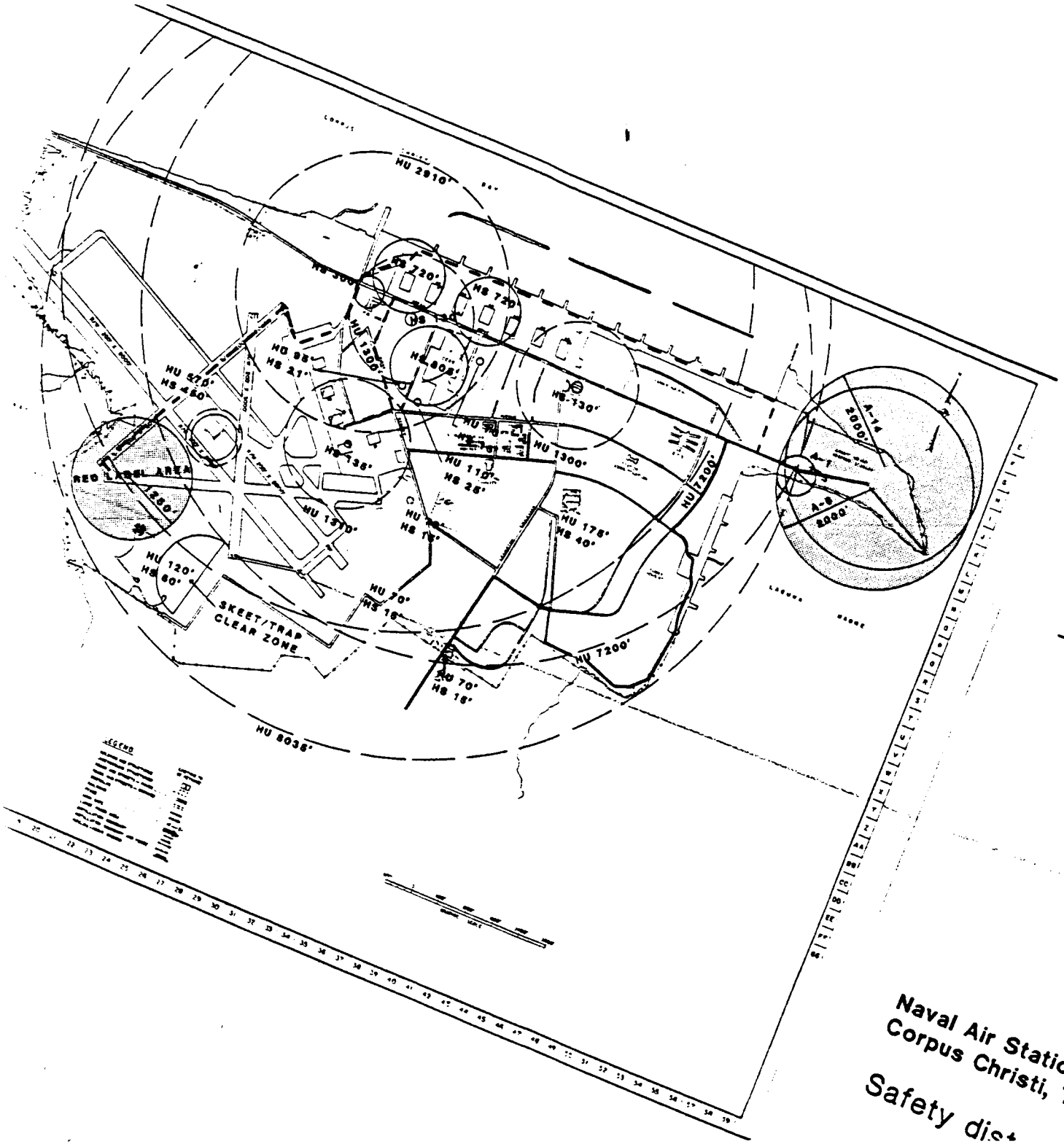
Legend

Primary Surface (19

Clear Zone

Naval Air Station
Corpus Christi, Texas

Airfield Safety Con



Legend

Explosives handling anc

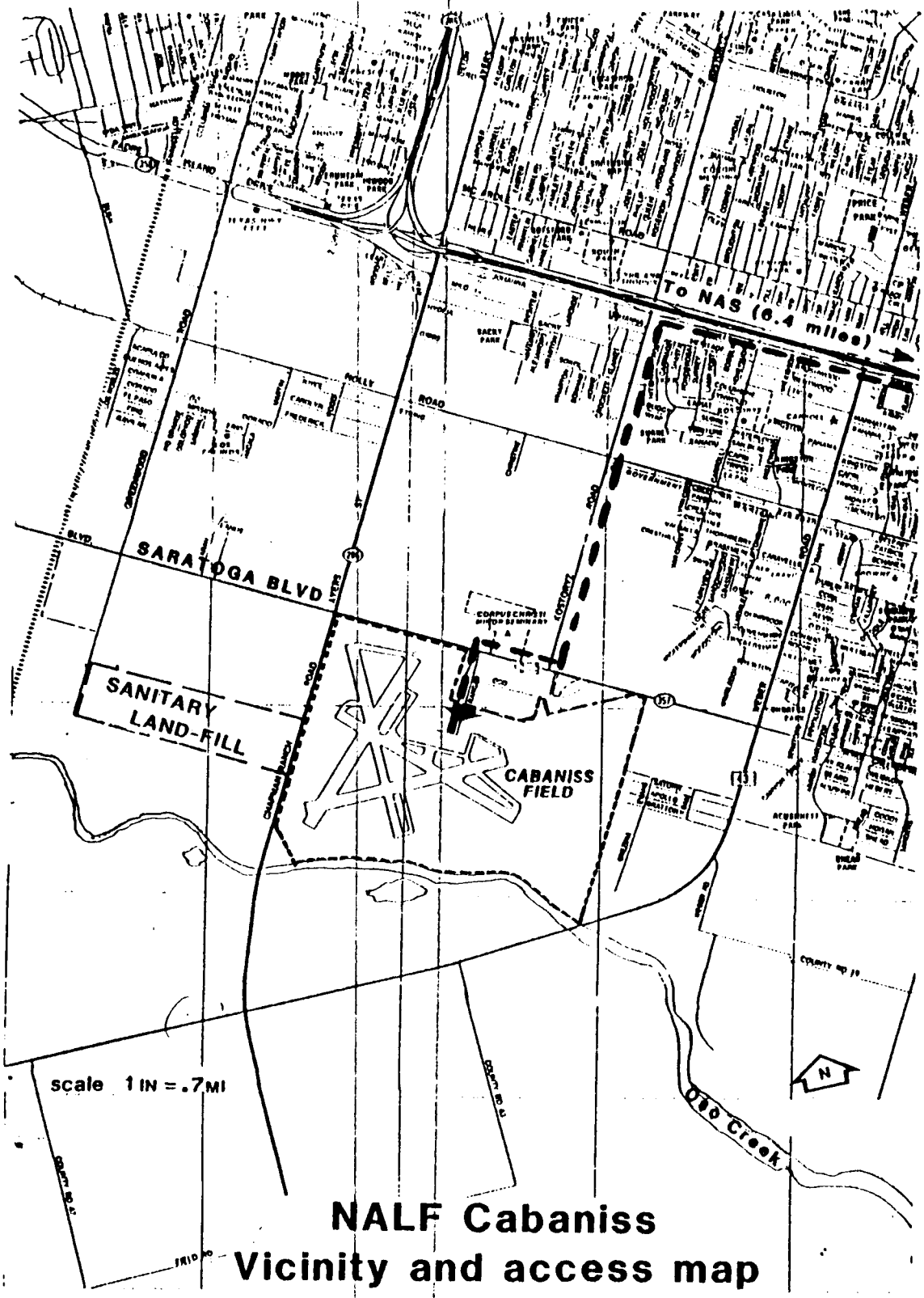
EMR: HU--hero unsafe
HS--hero suscepti

Limited Route

Primary Route

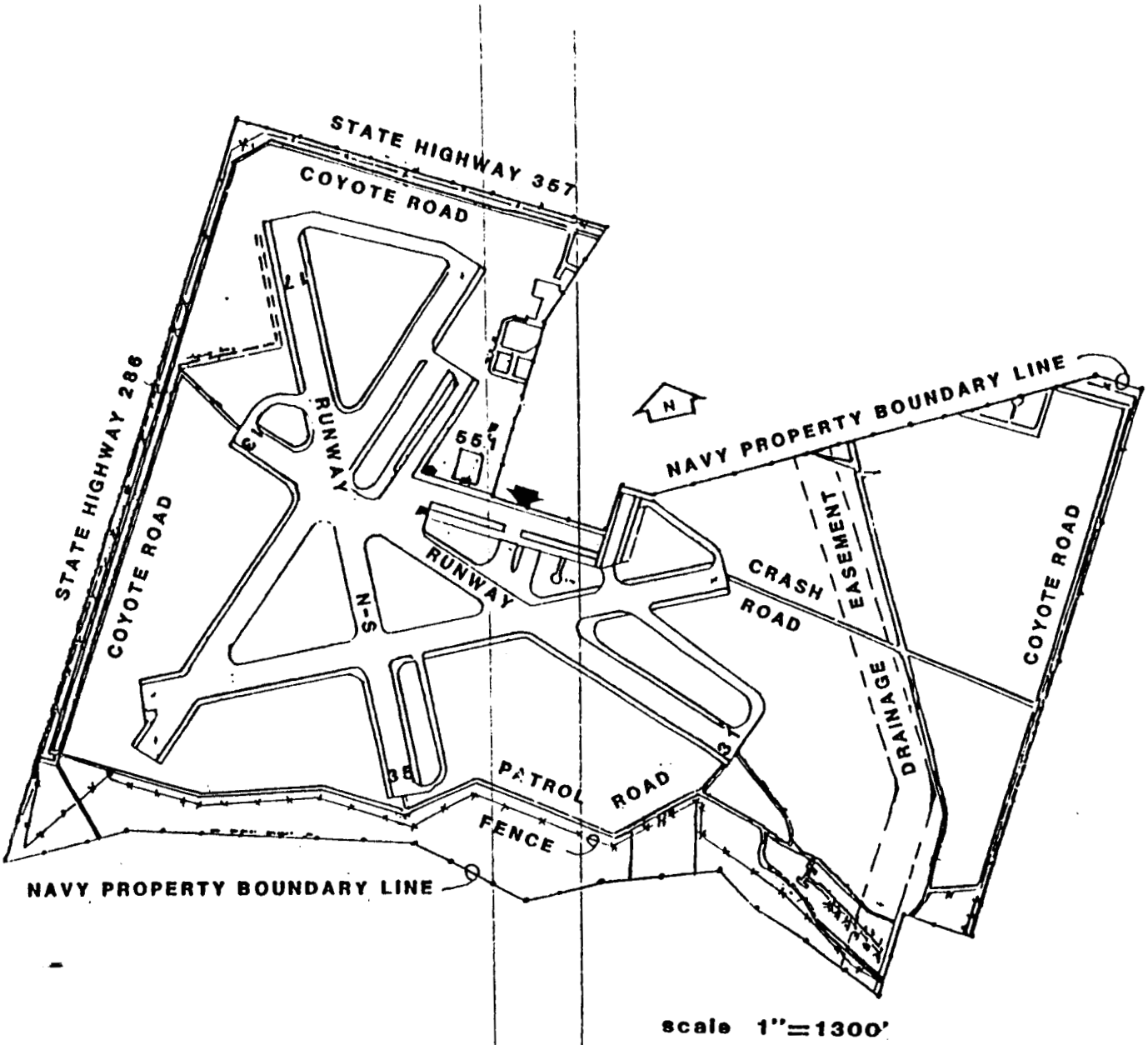
Naval Air Station
Corpus Christi, Texas

Safety dis



NALF Cabaniss
Vicinity and access map

figure VI-2



NALF CABANISS
Installation Map

figure VI-1

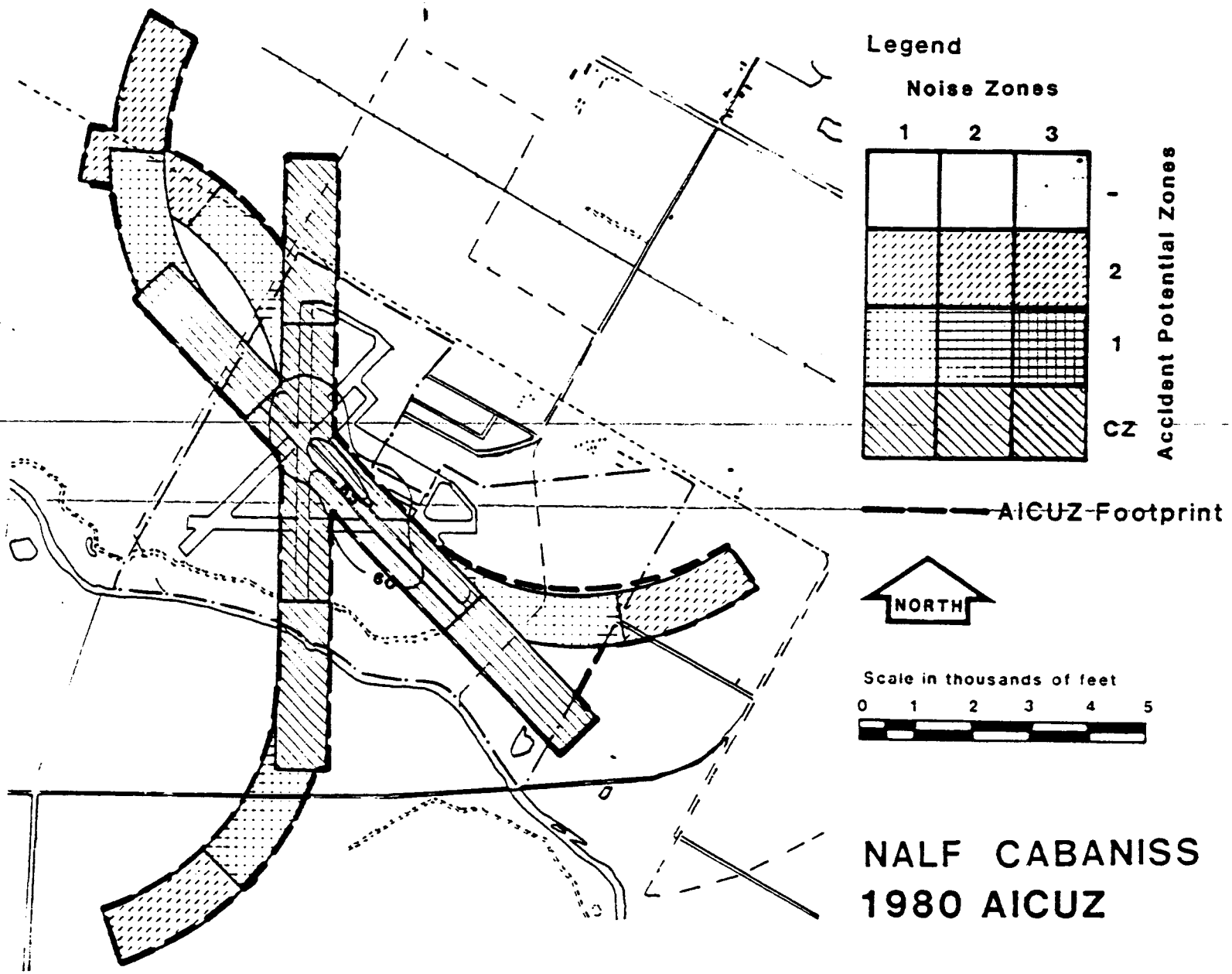
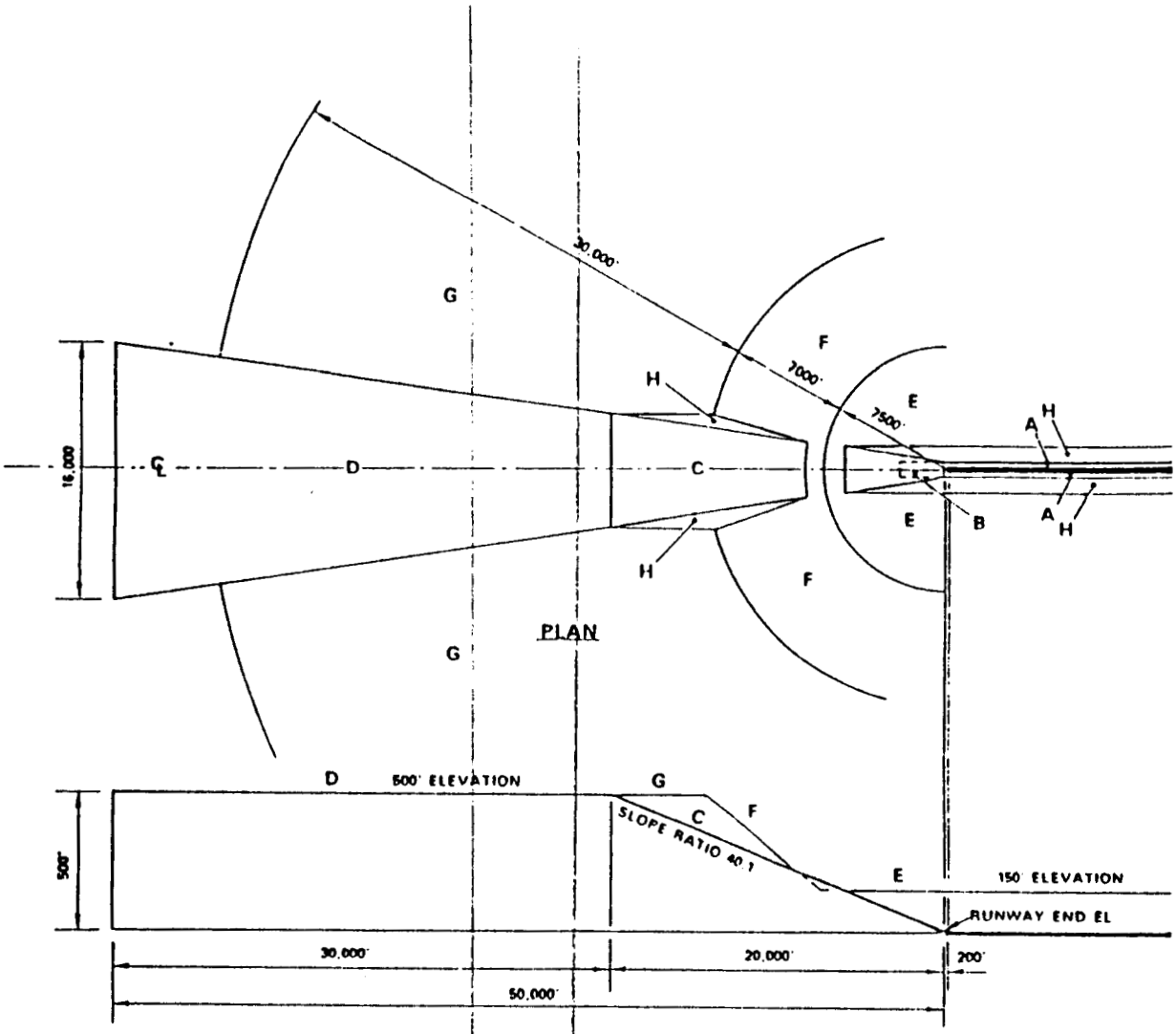
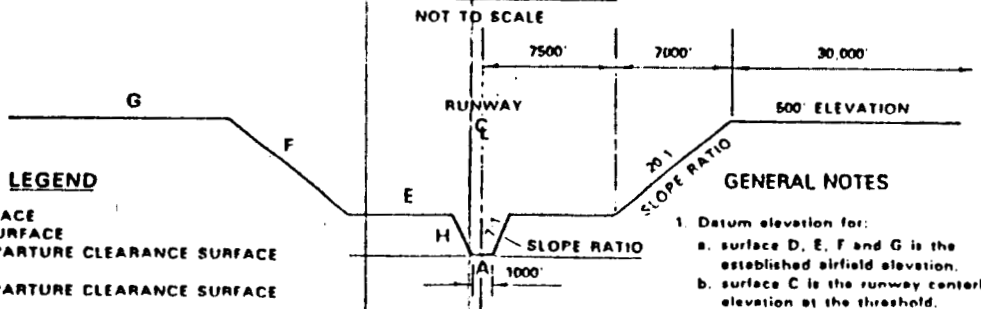

Legend
Noise Zones
1
2
3
Accident Potential Zones
-
2
1
CZ
AICUZ Footprint
NORTH
Scale in thousands of feet
0
1
2
3
4
5
NALF CABANISS
1980 AICUZ

figure VI-6



LONGITUDINAL SECTION

NOT TO SCALE



TRANSVERSE SECTION

NOT TO SCALE

LEGEND

- A PRIMARY SURFACE
- B CLEAR ZONE SURFACE
- C APPROACH-DEPARTURE CLEARANCE SURFACE (SLOPE)
- D APPROACH-DEPARTURE CLEARANCE SURFACE (HORIZONTAL)
- E INNER HORIZONTAL SURFACE
- F CONICAL SURFACE
- G OUTER HORIZONTAL SURFACE
- H TRANSITIONAL SURFACE

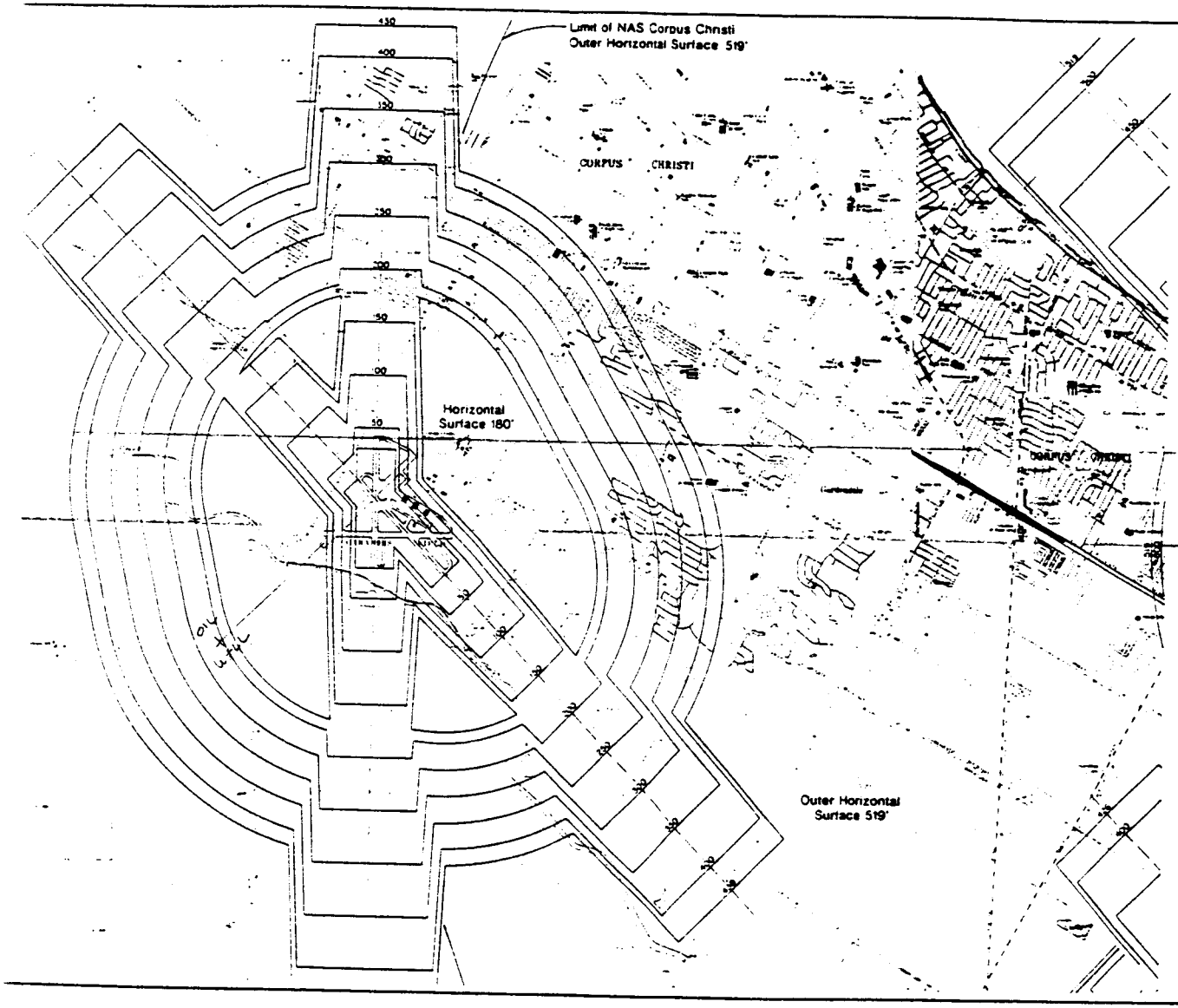
GENERAL NOTES

1. Datum elevation for:
   a. surface D, E, F and G is the established airfield elevation.
   b. surface C is the runway centerline elevation at the threshold.
   c. surface H varies at each point along the runway centerline.
2. The intersections shown on the plan are for the case of a level runway.

CLASS A RUNWAY-AIRSPACE (PLAN & SECTIONS)

Imaginary Surfaces

figure VI-7



NORTH

Scale in statute miles

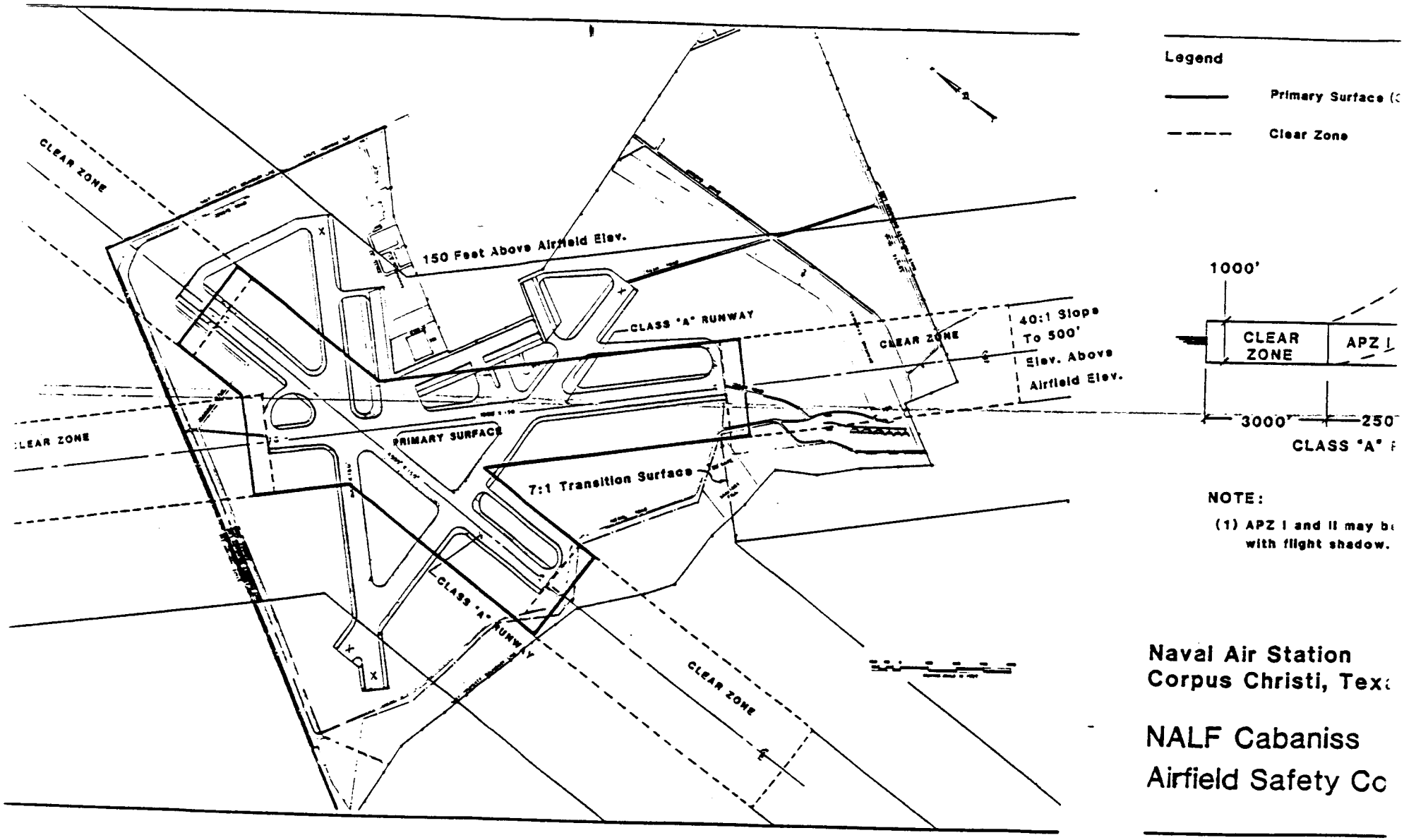
0 1/2 1 2

0 1 2 3

Scale in kilometers

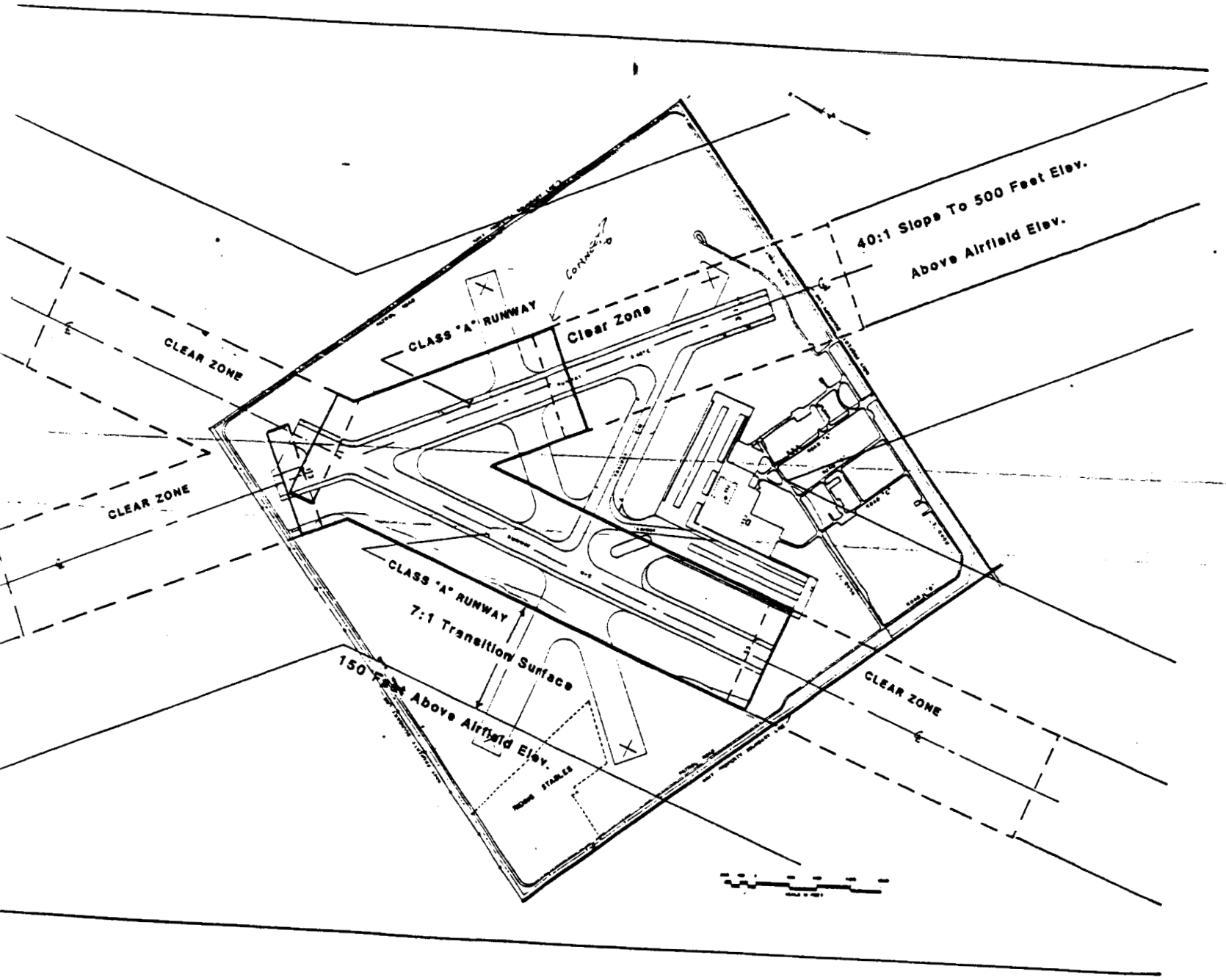
Naval Air Station
Corpus Christi, Texa:

NALF Cabaniss
Imaginary surface:



Naval Air Station
Corpus Christi, Tex

NALF Cabaniss
Airfield Safety Co



Legend

Primar

Clear

1000'

CLEAR ZONE

3000'

CL

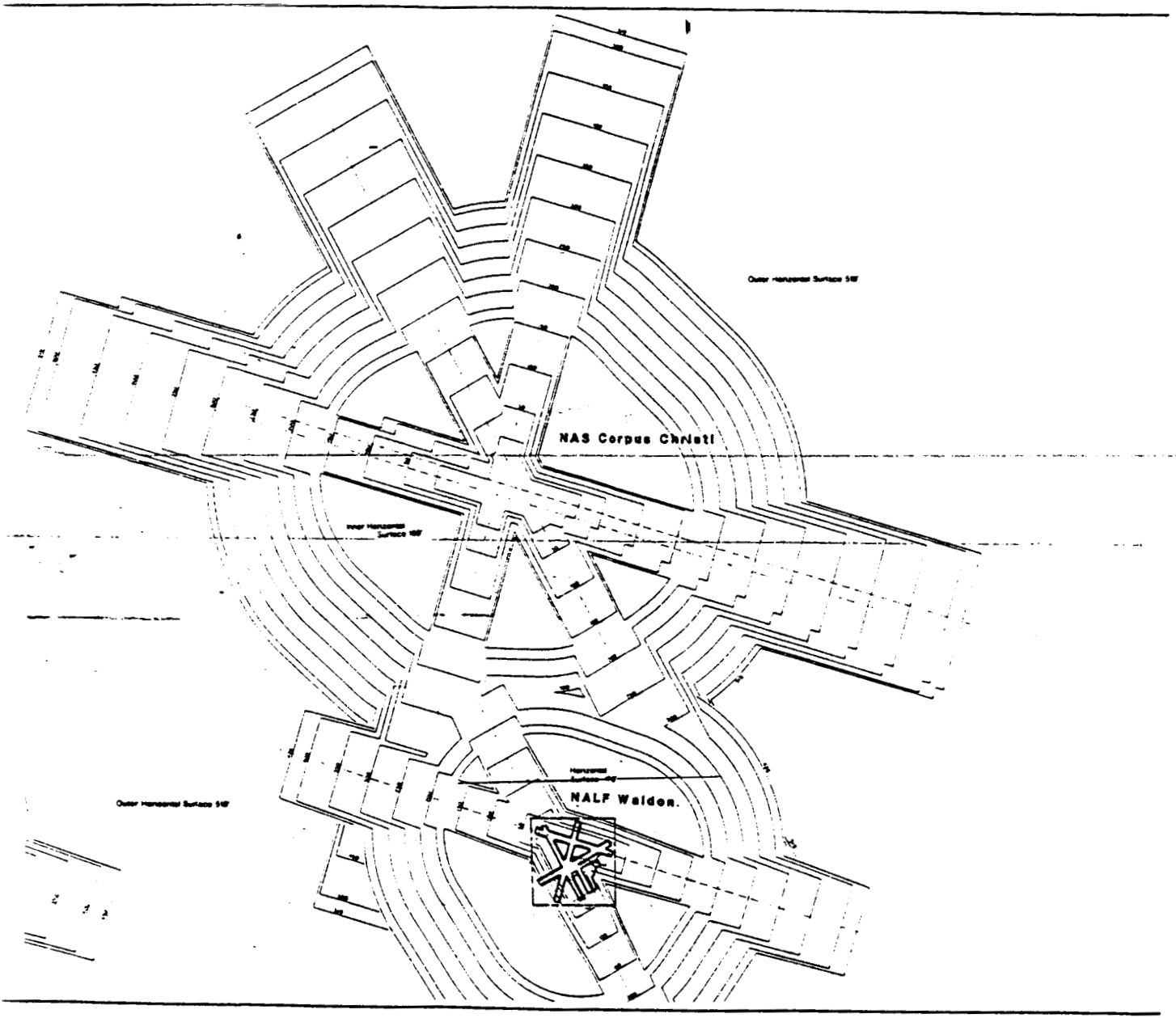
NOTE:

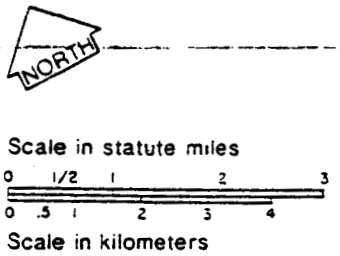
(1) APZ I anc
with fligh

Naval Air Stat
Corpus Christi

NALF Waldr

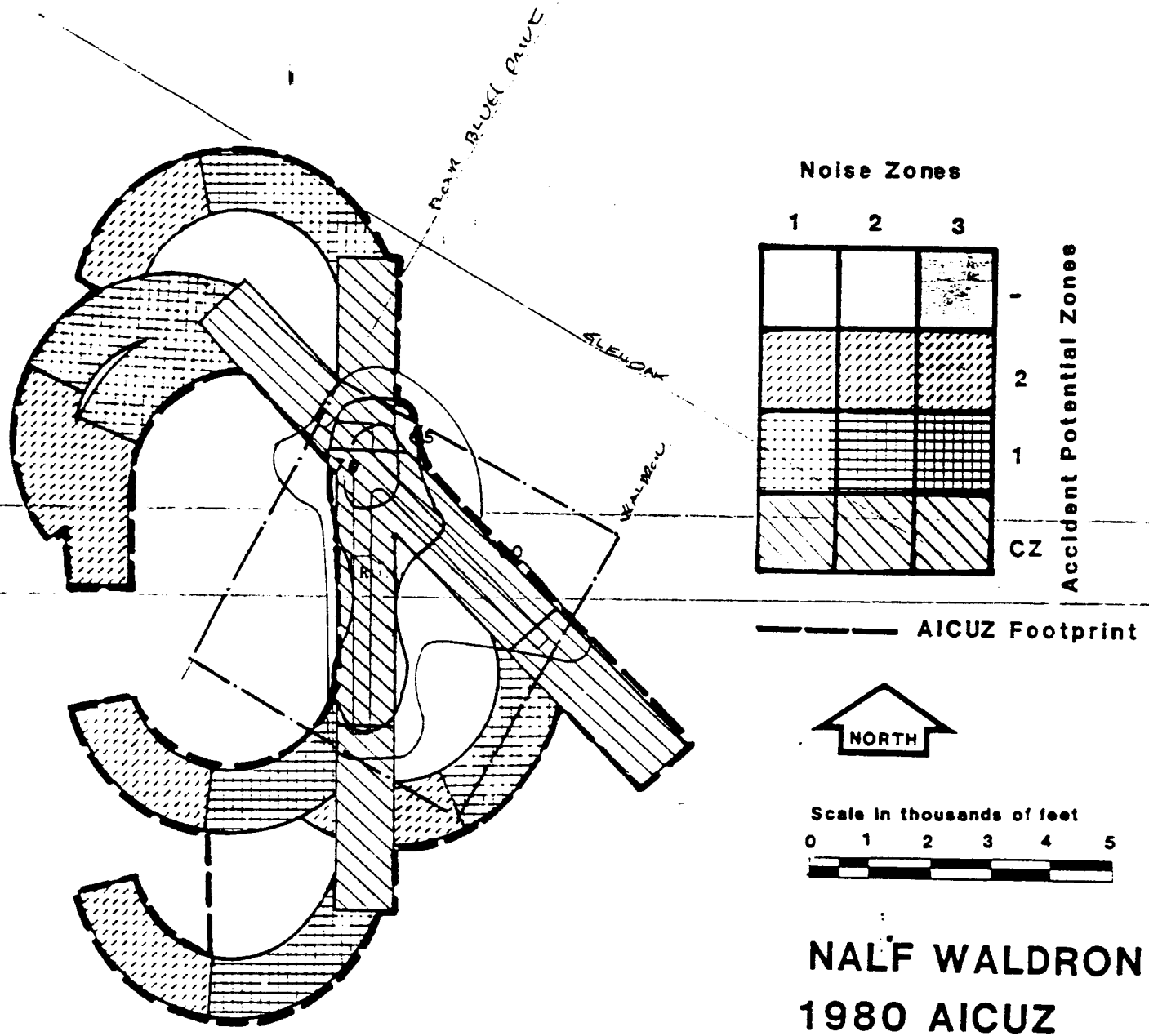
Airfield Safe





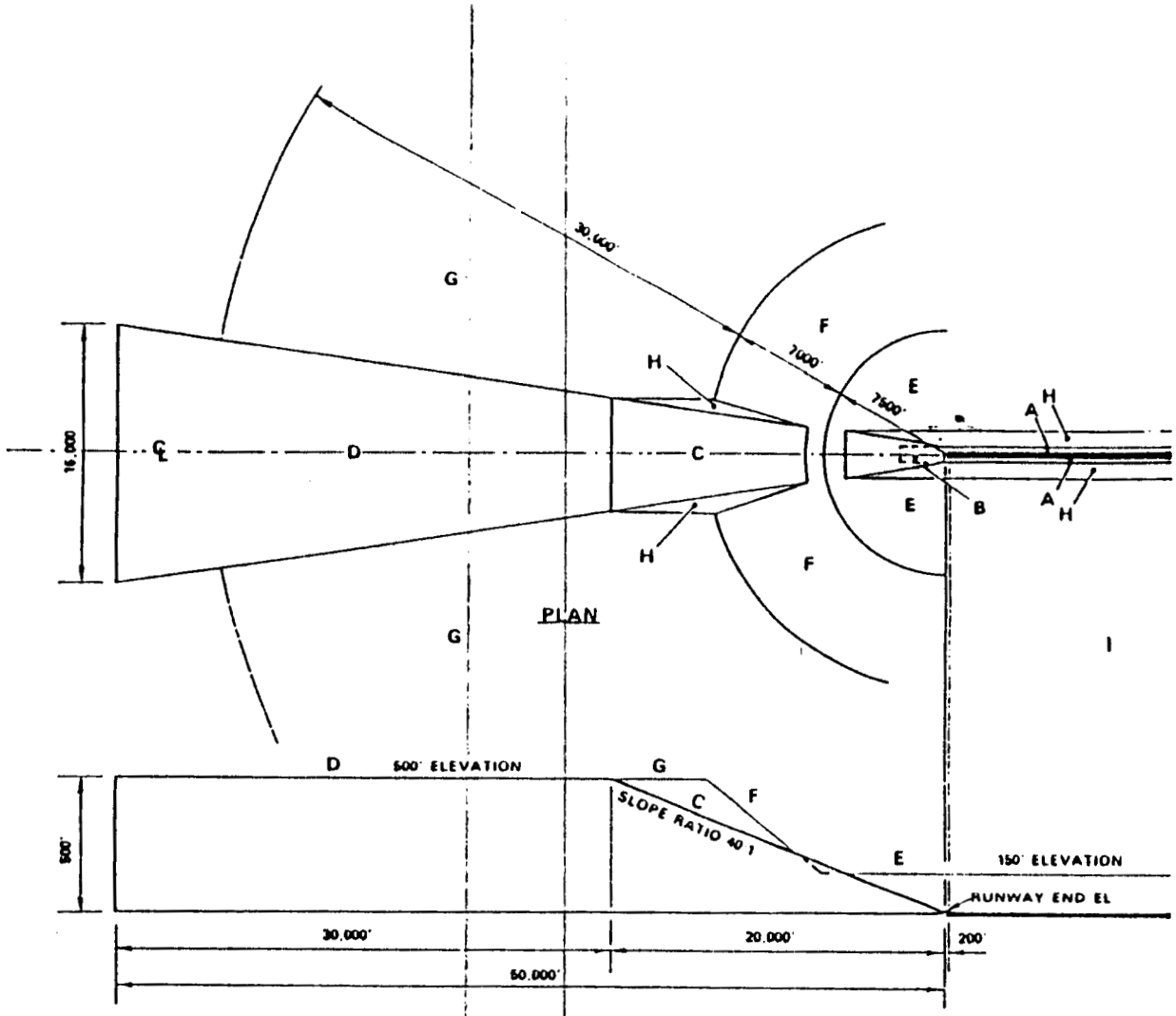
Naval Air Station
Corpus Christi, Texas

NALF Waldron
Imaginary surfaces



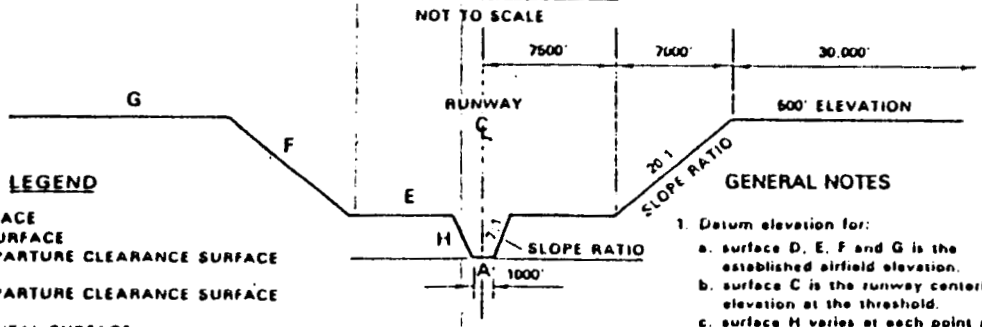
NALF WALDRON
1980 AICUZ

figure VII-5



LONGITUDINAL SECTION

NOT TO SCALE



TRANSVERSE SECTION

NOT TO SCALE

LEGEND

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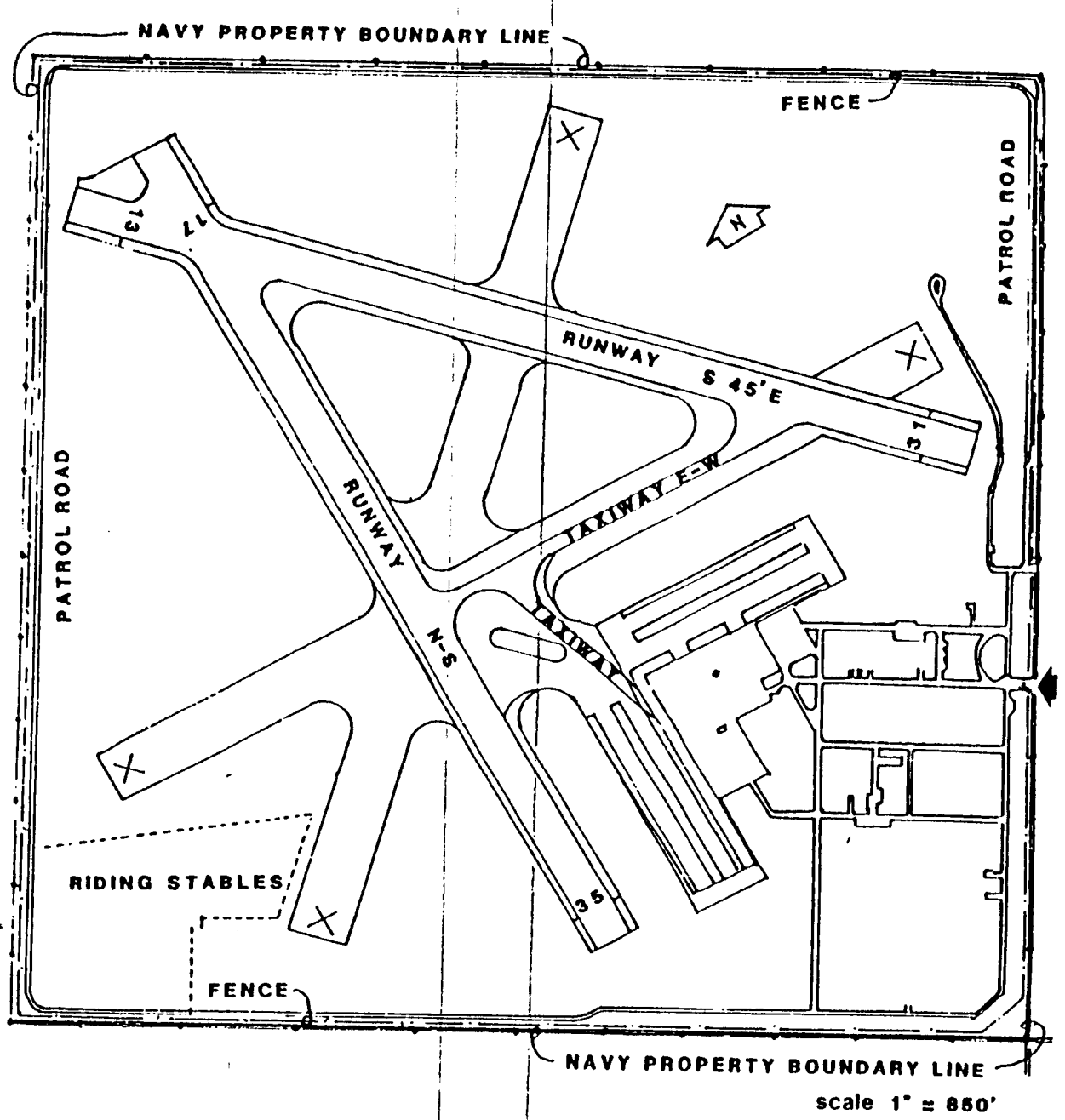
CLASS A RUNWAY-AIRSPACE (PLAN & SECTIONS)

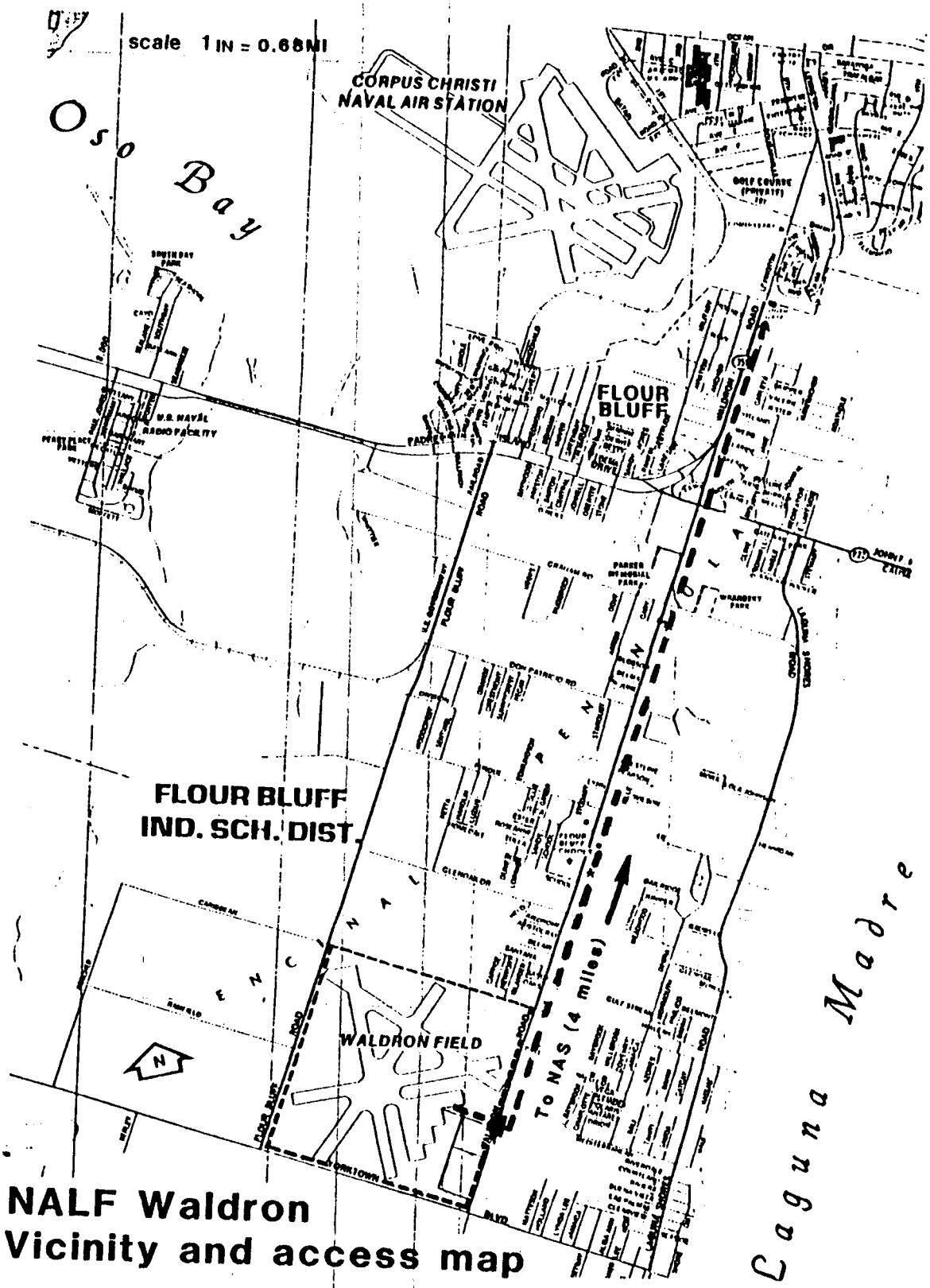
Imaginary Surfaces

figure VII-6



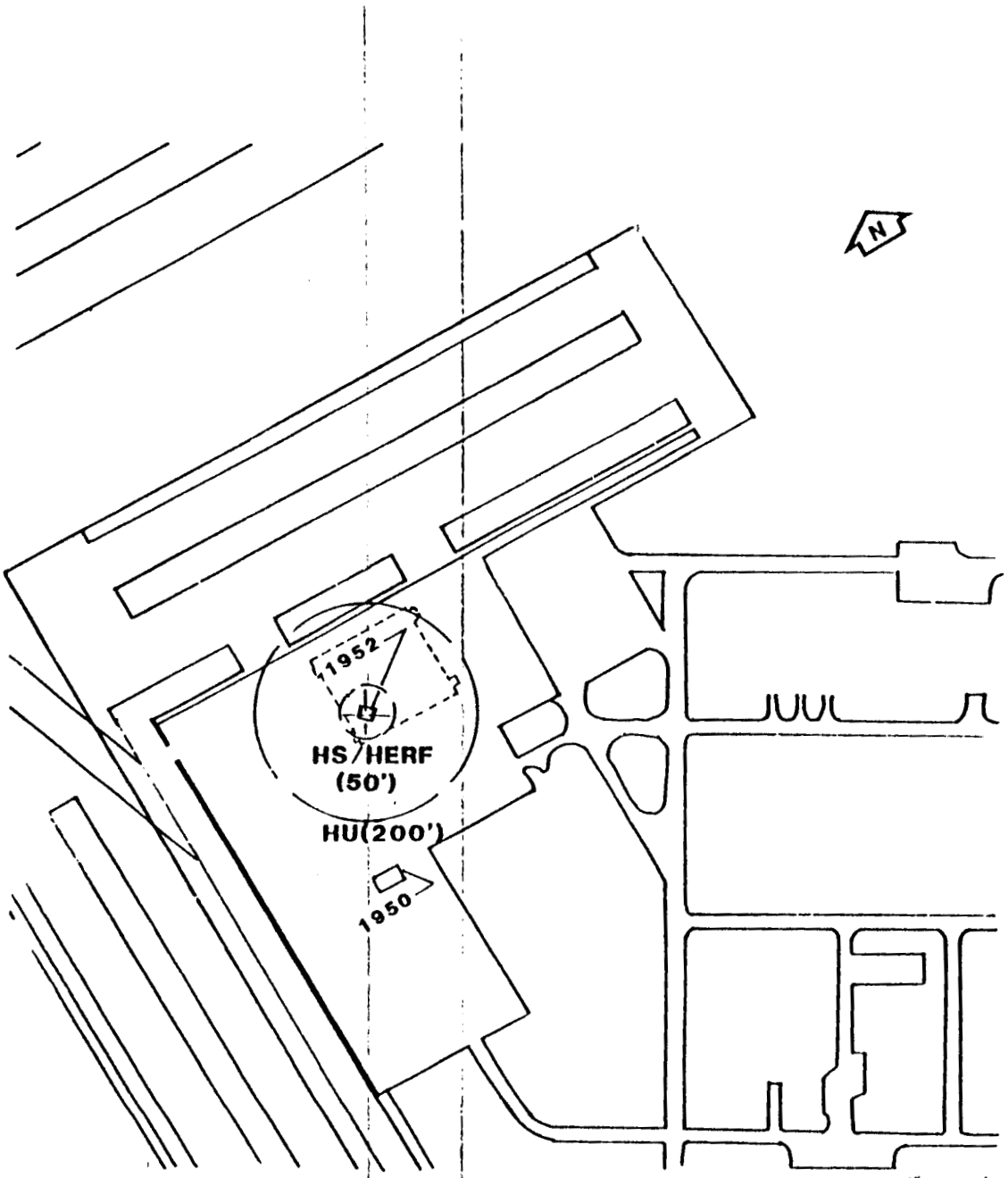
NALF WALDRON
Installation Map

figure VII-1



NALF Waldron
Vicinity and access map

figure VII-2



Legend

EMR: HU--hero unsafe
HS--hero susceptible
HERF--hazards of EMR to fuel

NALF WALDRON
EMR Arcs

figure VII-4

FEATURES AND CAPABILITIES

D. ABILITY FOR EXPANSION.

RESTRICTED AREAS

ESQD	408.1 AC
HERO	431.0 AC
HERP	-0-
HERF	-0-
AICUZ	-0-

OTHER:

EASEMENTS	61.33 AC
WETLANDS	127 AC

NOTE:

CLEAR ZONES AT THE ENDS OF THE RUNWAYS (EMBEDDED IN OPERATIONAL AC's)	1032 AC

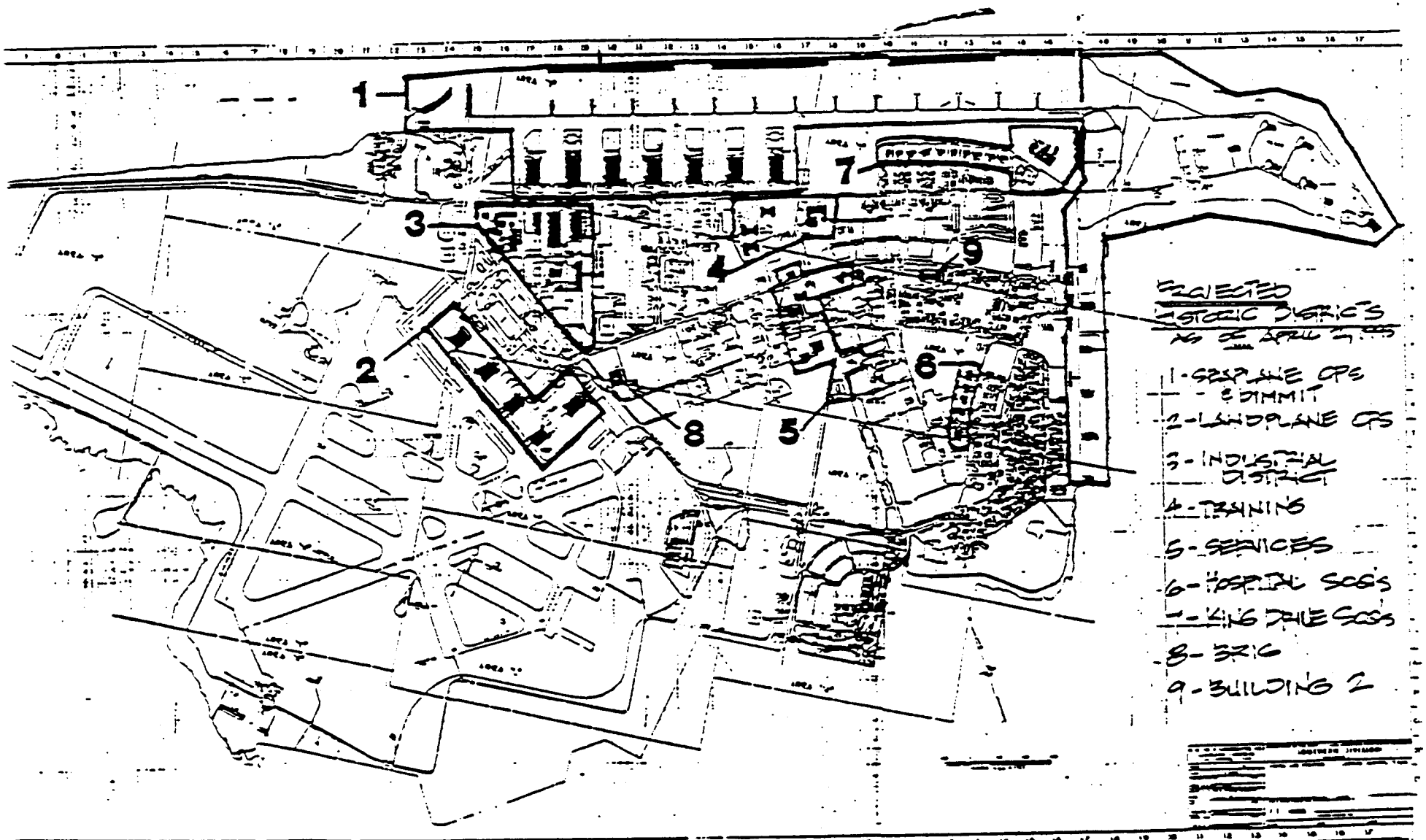
DATA CALL REBUTTAL COMMENTS

ENCROACHMENT CONCERNS:

Encroachment pressures are negligible because of the strong community support as evidenced of the cities rezoning to meet the Air Compatible Use Zone (AICUZ) requirements as much as possible, politically. During the 1986 to 1987 time period the Training Air Wing Four and Naval Air Station Corpus Christi (NASCORPCS) Commanders determined that the only developed land that needed to be acquired was the Nunnery off the end of Runway 17 / 35 as Runway 13 / 31's threshold was displaced by 750'. This action did not effect the Pilot Training Ratio (PTR) of NASCORPCS. Thus, we improved our relations with the civilian community and were able to purchase undeveloped land with limited funds. The currently growth pattern for the City of Corpus Christi, Texas tends to be to the South and West and has little impact on NASCORPCS and Naval Auxiliary Landing Field (NALF) Waldron. But, this growth pattern affects one of our outlying fields, NALF Cabaniss. This growth patterns encroachment has only one impediment to solving; money. There are two remaining MILCON Projects at NASCORPCS; P-286 and P-311 totaling 9.3 million dollars.

NASCORPCS received a copy of the Corpus Christi State University (CCSU) Master Plan in October 1992. We have not had time to review and analyze the problems this plan will present for Runways 31L / 13R and 31R / 13L landing zones and their AICUZ and Noise areas. We have suggested to the City of Corpus Christi that they set a zoning height ordnance of 70' Mean Sea Level (MSL) elevation. When the U. S. Navy turned over the land to CCSU they placed a height restriction of 135 MSL elevation within the deed. This information was FAXed to NAVFAC and we are awaiting their input and suggested actions. Note: The City of Corpus Christi, Texas is in full agreement with the 70' MSL Elevation. The Major problem will be enforcing a City Code on a State Agency who has a deed from a Federal Agency stating other wise.

NASCORPC - DRAFT HISTORIC DISTRICTS PROJECTED IN EFFECT FY94



PROJECTED HISTORIC DISTRICTS ■ = STRUCTURE TO BE NOMINATED AS ELIGIBLE TO THE NATIONAL HISTORIC REGISTER

- ALL STRUCTURES ON BASE PRIOR TO 1947 MUST BE REVIEWED BY STATE UNTIL FORMAL AGREEMENTS ARE SIGNED (FY94). IE. ANY PROJECT CONCERNING THESE STRUCTURES MUST GO THROUGH REVIEW UNTIL FURTHER NOTICE.
- BUILDINGS FALLING WITHIN HISTORIC DISTRICTS ARE SUBJECT TO REVIEW THOUGH ALL MAY NOT BE ELIGIBLE (= ■). *REGARDLESS OF DATE OF CONSTRUCTION. LARGE PROJECTS ADJACENT TO DISTRICTS ARE SUBJECT TO REVIEW.
- REVIEW CAN BE INITIATED IN EARLY PLANNING STAGES WHEN SCOPE OF WORK IS KNOWN. X2159 EXT. 160 J. HEINEN

ANSWER TO QUESTION: 11. B. f. (1)

11010
Code 183

Subj: DATA COMMENTS ON BASE REALIGNMENT AND CLOSURE DATA CALL FOR AICUZ

1. The following charts are provided for information and action as requested by required for the BRAC Data Call.

* All data provided came from the 1980 AICUZ Study and plans. Data as requested was not developed nor is it on file. The attached maps and charts show the noise zones that were required in 1980 by both the DOD and FAA. But, the city has or is developing noise requirements for their various zoning areas.

These items or parcels of real estate await funding for their acquisition. Currently the city has insured that all dwelling units have been removed or relocated except for one parcel of land at Cabaniss NALF.

1* 06.077 Acres remain to be acquired. $72.92K

2* All Clear Zone Land has been acquired.

3* 00.429 Acres remain to be acquired. $5.15K

4* 42.640 Acres remain to be acquired. $511.68K

5* 59.688 Acres remain to be acquired. $716.26K

6* 09.815 Acres remain to be acquired. $117.78K

7* All Clear Zone Land has been acquired.

8* All Clear Zone Land has been acquired.

9* All Clear Zone Land has been acquired.

10* 19.070 Acres remain to be acquired. $228.84K

11* All Clear Zone Land has been acquired.

NOTE! ESTIMATED COST = $12K/AC

Attachment 4

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Main Station, NAS Corpus Christi		
CZ	17	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	35	US Owned	N/A(1*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	31L	US Owned	N/A(2*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	31R	US Owned	N/A(3*)	*
APZ-I		3200	+/- 1450	
APZ-II		2800	+/- 850	
CZ	13L	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	13R	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	04	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
CZ	22	Overwater	Overwater	Overwater
APZ-I				
APZ-II				
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Outlaying Station, NALF Cabaniss		
CZ	17	US Owned	N/A(4*)	*
APZ-I		1,000	+/- 3,200	
APZ-II		5,000	+/- 3,200	
CZ	35	US Owned	N/A(5*)	*
APZ-I		100	+/- 3,100	
APZ-II		400	+/- 3,100	
CZ	31	US Owned	N/A(6*)	*
APZ-I		100	+/- 3,100	
APZ-II		400	+/- 3,100	
CZ	13	US Owned	N/A(7*)	*
APZ-I		1,000	+/- 3,200	
APZ-II		4,200	+/- 3,200	
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

Zone End	Runway Number	Estimated Population	Acres Scaled	Percent L-U
		Outlaying Station, NALF Waldron		
CZ	17	US Owned	N/A(8*)	*
APZ-I		100	+/- 350	
APZ-II		100	+/- 350	
CZ	35	US Owned	N/A(9*)	*
APZ-I		900	+/- 400	
APZ-II		900	+/- 400	
CZ	31	US Owned	N/A(10*)	*
APZ-I		900	+/- 400	
APZ-II		900	+/- 400	
CZ	13	US Owned	N/A(11*)	*
APZ-I		100	+/- 350	
APZ-II		100	+/- 350	
DNL 60-65	N/A	*	*	*
DNL 65-75	N/A	*	*	*
DNL 75-80	N/A	*	*	*
DNL 80+	N/A	*	*	*

Revision
Pg 40

Command: **NAS CORPUS CHRISTI**

Data Call Number Twenty Revisions
(Page 40)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. K. U. KIHUNE
NAME

Signature

6 JUN 1994

CNET
Title

Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J.B. GREENE JR
NAME

Signature

ACTING
Title

6/8/94
Date

Encl (1)

Revision pg 40

BRAC-95 DATA CALL 20
NAS CORPUS CHRISTI UIC 00216

CNATRA REVISIONS OF 5/18/94, PAGE 40

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

W B Hayden
Signature

Chief of Naval Air Training
Title

2 June 94
Date

Naval Air Training Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

225

Command: **NAS Corpus Christi**

Data Call Number Twenty Revisions
(Pages 67 and 67a-67f)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

Signature

CNET
Title

8-19-94
Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

J. B. GREENE, JR.
NAME

Signature

ACTING
Title

22 AUG 1994
Date

This certification for NAS Corpus Christi UIC 00216 BRAC-95, replacement page 67 and additional pages 67a, 67b, 67c, 67d, 67e and 67f for Data Call TWENTY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

Date 15 AUG 94

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training (ACTING)
Title

Date 15 Aug 94

Naval Air Training Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, replacement page 67 and additional pages 67a, 67b, 67c, 67d, 67e and 67f for Data Call TWENTY

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

Frank Montesano
Signature

COMMANDING OFFICER
Title

12 AUG 94
Date

Naval Air Station, Corpus Christi
Activity

Command: NAS Corpus Christi

Data Call Number Twenty Revisions
(Pages 23 and 24)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. D. ANDERSON
NAME

Signature

Acting
Title

10/4/94
Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

P.W. DRENNON
NAME

Signature

Acting
Title

12 OCT 1994
Date

Command: **NAS Corpus Christi**

Data Call Number Twenty Revisions
(Pages 19, 54, and 76-78)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PETobin
NAME	Signature
Acting	10/12/94
Title	Date
CNET	
Activity	

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER	A. Earner
NAME	Signature
	10/21/94
Title	Date

This certification for NAS Corpus Christi UIC 00216 BRAC-95, replacement pages 19, 54, 76, 77 and 78 for Data Call TWENTY (STATION REVISIONS 9/13/94)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

15 SEP 94
Date

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

P. R. LANIER, CDR, USN
~~P. R. STATSKEY, CAPT, USN~~
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING (ACTING)
Title

26 ~~FEB~~ SEP 94
Date

NAVAL AIR TRAINING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

Encl (7)

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, replacement pages 19, 54, 76, 77 and 78 for Data Call TWENTY

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

Frank Montesano
Signature

COMMANDING OFFICER
Title

15 Sep 94
Date

Naval Air Station, Corpus Christi
Activity

Encl (4)

Command: **NAS Corpus Christi**

Data Call Number Twenty Revisions
(Pages 13-15, 17, 19, 23, 24, 26, 39, 42-44, 48, 51, 61, 70, and 72)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

J. D. ANDERSON
NAME

Signature

Acting
Title

9/30/94
Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

P.W. DRENNON
NAME

Signature

Acting
Title

12 OCT 1994
Date

Encl (1)

This certification for NAS Corpus Christi UIC 00216 BRAC-95, replacement pages 13, 14, 15, 17, 19, 23, 24, 26, 39, 42, 43, 44, 48, 51, 61, 70 and 72 for Data Call TWENTY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

9/2/94
Date

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN RADM
NAME (Please type or print)

Signature

Chief of Naval Air Training
Title

13 SEP 94
Date

Naval Air Training Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, replacement pages 13, 14, 15, 17, 19, 23, 24, 26, 39, 42, 43, 44, 48, 51, 61, 70 and 72 for Data Call TWENTY

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

COMMANDING OFFICER
Title

Naval Air Station, Corpus Christi
Activity

Signature

9-2-94
Date

Command: **NAS Corpus Christi**

Data Call Number Twenty Revision
(Page 25)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

T. W. WRIGHT
NAME

T W Wright
Signature

CNET
Title

4 Nov 94
Date

CNET
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME

W Earner
Signature

Title

11/7/94
Date

STATION REV OF 10/27/94

This certification for NAS Corpus Christi UIC 00216 BRAC-95, replacement page 25 for Data Call TWENTY

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

31 OCT 94
Date

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Signature

CHIEF OF NAVAL AIR TRAINING
Title

1 Nov 94
Date

NAVAL AIR TRAINING COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

Encl 5.

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

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I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, replacement page 25 for Data Call TWENTY

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

28 OCT 94
Date

Naval Air Station, Corpus Christi
Activity

225

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Activity Identification: Please complete the following table, identifying the activity for which this response is being submitted.

Activity Name:	CORPUS CHRISTI ARMY DEPOT
UIC:	WOMUAA
Major Claimant:	ARMY MATERIEL COMMAND

General Instructions/Background:

Information requested in this data call is required for use by the Base Structure Evaluation Committee (BSEC), in concert with information from other data calls, to analyze both the impact that potential closure or realignment actions would have on a local community and the impact that relocations of personnel would have on communities surrounding receiving activities. In addition to Cost of Base Realignment Actions (COBRA) analyses which incorporate standard Department of the Navy (DON) average cost factors, the BSEC will also be conducting more sophisticated economic and community infrastructure analyses requiring more precise, activity-specific data. For example, activity-specific salary rates are required to reflect differences in salary costs for activities with large concentrations of scientists and engineers and to address geographic differences in wage grade salary rates. Questions relating to "Community Infrastructure" are required to assist the BSEC in evaluating the ability of a community to absorb additional employees and functions as the result of relocation from a closing or realigning DON activity.

Due to the varied nature of potential sources which could be used to respond to the questions contained in this data call, a block appears after each question, requesting the identification of the source of data used to respond to the question. To complete this block, identify the source of the data provided, including the appropriate references for source documents, names and organizational titles of individuals providing information, etc. Completion of this "Source of Data" block is critical since some of the information requested may be available from a non-DoD source such as a published document from the local chamber of commerce, school board, etc. Certification of data obtained from a non-DoD source is then limited to certifying that the information contained in the data call response is an accurate and complete representation of the information obtained from the source. Records must be retained by the certifying official to clearly document the source of any non-DoD information submitted for this data call.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

General Instructions/Background (Continued):

The following notes are provided to further define terms and methodologies used in this data call. Please ensure that responses consistently follow this guidance:

Note 1: Throughout this data call, the term "activity" is used to refer to the DON installation that is the addressee for the data call.

Note 2: Periodically throughout this data call, questions will include the statement that the response should refer to the "area defined in response to question 1.b., (page 3)". Recognizing that in some large metropolitan areas employee residences may be scattered among many counties or states, the scope of the "area defined" may be limited to the sum of:

- **those counties that contain government (DoD) housing units (as identified in 1.b.2)), and,**
- **those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.**

Note 3: Responses to questions referring to "civilians" in this data call should reflect federal civil service appropriated fund employees.

1. Workforce Data

a. Average Federal Civilian Salary Rate. Provide the projected FY 1996 average gross annual appropriated fund civil service salary rate for the activity identified as the addressee in this data call. This rate should include all cash payments to employees, and exclude non-cash personnel benefits such as employer retirement contributions, payments to former employees, etc.

Average Appropriated Fund Civilian Salary Rate:	$37,474

Source of Data (1.a. Salary Rate):	EXHIBITS 1A & 24 FY96 DBOF BUDGET SUBMISSION

Per Instructions, the average salary rate includes all forms of pay made directly to the individual employee (Regular Pay, Overtime, Cash Awards). It does not include employer share of benefits or payments to former employees.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

b. Location of Residence. Complete the following table to identify where employees live. Data should reflect current workforce.

1) Residency Table. Identify residency data, by county, for both military and civilian (civil service) employees working at the installation (including, for example, operational units that are homeported or stationed at the installation). For each county listed, also provide the estimated average distance from the activity, in miles, of employee residences and the estimated average length of time to commute one-way to work. For the purposes of displaying data in the table, any county(s) in which 1% or fewer of the activity's employees reside may be consolidated as a single line entry in the table, titled "Other".

County of Residence	State	No. of Employees Residing in County		Percentage of Total Employees	Average Distance From Base (Miles)	Average Duration of Commute (Minutes)
		Military	Civilian			
NUECES	TX	10	2659	87.7%	10	20
SAN PATRICIO	TX		199	6.6%	20	35
JIM WELLS	TX		67	2.2%	45	80
KLEBERG	TX		47	1.6%	45	80
OTHER	TX		59	1.9%	90	120

= 100%

As discussed in Note 2 on Page 2, subsequent questions in the data call refer to the "area defined in response to question 1.b., (page 3)". In responding to these questions, the scope of the "area defined" may be limited to the sum of: a) those counties that contain government (DoD) housing units (as identified below), and, b) those counties closest to the activity which, in the aggregate, include the residences of 80% or more of the activity's employees.

2) Location of Government (DoD) Housing. If some employees of the base live in government housing, identify the county(s) where government housing is located:

NUECES COUNTY

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.b. 1) & 2) Residence Data): CIVILIAN PERSONNEL DATA SYSTEM & TEXAS MAPS

c. Nearest Metropolitan Area(s). Identify all major metropolitan area(s) (i.e., population concentrations of 100,000 or more people) which are within 50 miles of the installation. If no major metropolitan area is within 50 miles of the base, then identify the nearest major metropolitan area(s) (100,000 or more people) and its distance(s) from the base.

City	County	Distance from base (miles)
CORPUS CHRISTI	NUECES	ADJACENT

Source of Data (1.c. Metro Areas): CITY MAP & COMMON KNOWLEDGE

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

d. Age of Civilian Workforce. Complete the following table, identifying the age of the activity's civil service workforce.

Age Category	Number of Employees	Percentage of Employees
16 - 19 Years	0	0
20 - 24 Years	1	.03%
25 - 34 Years	192	6.33%
35 - 44 Years	1097	36.19%
45 - 54 Years	1445	47.67%
55 - 64 Years	277	9.14%
65 or Older	19	.63%
TOTAL	3031	100 %

Source of Data (1.d.) Age Data): CIVILIAN PERSONNEL DATA SYSTEM

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

e. Education Level of Civilian Workforce

1) Education Level Table. Complete the following table, identifying the education level of the activity's civil service workforce.

Last School Year Completed	Number of Employees	Percentage of Employees
8th Grade or less	6	.2%
9th through 11th Grade	89	2.9%
12th Grade or High School Equivalency	1095	36.1%
1-3 Years of College	1602	52.9%
4 Years of College (Bachelors Degree)	193	6.4%
5 or More Years of College (Graduate Work)	46	1.5%
TOTAL	3031	100 %

2) Degrees Achieved. Complete the following table for the activity's civil service workforce. Identify the number of employees with each of the following degrees, etc. To avoid double counting, only identify the highest degree obtained by a worker (e.g., if an employee has both a Master's Degree and a Doctorate, only include the employee under the category "Doctorate").

Degree	Number of Civilian Employees
Terminal Occupation Program - Certificate of Completion, Diploma or Equivalent (for areas such as technicians, craftsmen, artisans, skilled operators, etc.)	451
Associate Degree	158
Bachelor Degree	193
Masters Degree	44
Doctorate	2

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.e.1) and 2) Education Level Data): CIVILIAN PERSONNEL DATA SYSTEM

f. Civilian Employment By Industry. Complete the following table to identify by "industry" the type of work performed by civil service employees at the activity. The intent of this table is to attempt to stratify the activity civilian workforce using the same categories of industries used to identify private sector employment. Employees should be categorized based on their primary duties. Additional information on categorization of private sector employment by industry can be found in the Office of Management and Budget Standard Industrial Classification (SIC) Manual. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Industry Type" codes in the *first column of the table*: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Industry Types" identified in the table. However, only use the Category 6, "Public Administration" sub-categories when none of the other categories apply. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Industry	SIC Codes	No. of Civilians	% of Civilians*
1. Agriculture, Forestry & Fishing	01-09	0	0
2. Construction (includes facility maintenance and repair)	15-17	21	.7%
3. Manufacturing (includes Intermediate and Depot level maintenance)	20-39		
3a. Fabricated Metal Products (include ordnance, ammo, etc.)	34	46	1.5%
3b. Aircraft (includes engines and missiles)	3721 et al	2297	75.8%
3c. Ships	3731	0	0
3d. Other Transportation (includes ground vehicles)	various	0	0
3e. Other Manufacturing not included in 3a. through 3d.	various	89	2.9%
Sub-Total 3a. through 3e.	20 39	2432	80.2%

* Rounded to nearest tenth of a percent

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
4. Transportation/Communications/Utilities	40-49		
4a. Railroad Transportation	40	0	0
4b. Motor Freight Transportation & Warehousing (includes supply services)	42	47	1.6%
4c. Water Transportation (Includes organizational level maintenance)	44	0	0
4d. Air Transportation (includes organizational level maintenance)	45	6	.2%
4e. Other Transportation Services (includes organizational level maintenance)	47	0	0
4f. Communications	48	0	0
4g. Utilities	49	0	0
Sub-Total 4a. through 4g.	40-49	53	1.7%
5. Services	70-89		
5a. Lodging Services	70	0	0
5b. Personal Services (includes laundry and funeral services)	72	0	0
5c. Business Services (includes mail, security guards, pest control, photography, janitorial and ADP services)	73	105	3.5%
5d. Automotive Repair and Services	75	0	0
5e. Other Misc. Repair Services	76	0	0
5f. Motion Pictures	78	0	0
5g. Amusement and Recreation Services	79	0	0
5h. Health Services	80	3	0
5i. Legal Services	81	5	.2%

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Industry	SIC Codes	No. of Civilians	% of Civilians
5j. Educational Services	82	5	.2%
5k. Social Services	83	1	0
5l. Museums	84	0	0
5m. Engineering, Accounting, Research & Related Services (includes RDT&E, ISE, etc.)	87	107	3.5%
5n. Other Misc. Services	89	272	9.0%
Sub-Total 5a. through 5n.:	70-89	498	16.4%
6. Public Administration	[illegible]	[illegible]	[illegible]
6a. Executive and General Government, Except Finance	91	5	.2%
6b. Justice, Public Order & Safety (includes police, firefighting and emergency management)	92	0	0
6c. Public Finance	93	6	.2%
6d. Environmental Quality and Housing Programs	95	16	.5%
Sub-Total 6a. through 6d.		27	.9%
TOTAL	[illegible]	3031	100 %

Source of Data (I.f.) Classification By Industry Data): CIVILIAN PERSONNEL DATA SYSTEM

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

g. Civilian Employment by Occupation. Complete the following table to identify the types of "occupations" performed by civil service employees at the activity. Employees should be categorized based on their primary duties. Additional information on categorization of employment by occupation can be found in the Department of Labor Occupational Outlook Handbook. However, you do not need to obtain a copy of this publication to provide the data requested in this table.

Note the following specific guidance regarding the "Occupation Type" codes in the first column of the table: Even though categories listed may not perfectly match the type of work performed by civilian employees, please attempt to assign each civilian employee to one of the "Occupation Types" identified in the table. Refer to the descriptions immediately following this table for more information on the various occupational categories. Retain supporting data used to construct this table at the activity-level, in case questions arise or additional information is required at some future time. Leave shaded areas blank.

Occupation	Number of Civilian Employees	Percent of Civilian Employees*
1. Executive, Administrative and Management	287	9.5%
2. Professional Specialty		
2a. Engineers	54	1.8%
2b. Architects and Surveyors	0	0
2c. Computer, Mathematical & Operations Research	0	0
2d. Life Scientists	0	0
2e. Physical Scientists	12	.4%
2f. Lawyers and Judges	3	0
2g. Social Scientists & Urban Planners	0	0
2h. Social & Recreation Workers	1	0
2i. Religious Workers	0	0
2j. Teachers, Librarians & Counselors	0	0
2k. Health Diagnosing Practitioners (Doctors)	0	0
2l. Health Assessment & Treating(Nurses, Therapists, Pharmacists, Nutritionists, etc.)	0	0

* Rounded to nearest tenth of a percent

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Occupation	Number of Civilian Employees	Percent of Civilian Employees
2m. Communications	0	0
2n. Visual Arts	2	0
Sub-Total 2a. through 2n.:	72	2.4%
3. Technicians and Related Support		
3a. Health Technologists and Technicians	3	0
3b. Other Technologists	261	8.6%
Sub-Total 3a. and 3b.:	264	8.7%
4. Administrative Support & Clerical	199	6.6%
5. Services		
5a. Protective Services (includes guards, firefighters, police)	19	.6%
5b. Food Preparation & Service	0	0
5c. Dental/Medical Assistants/Aides	0	0
5d. Personal Service & Building & Grounds Services (includes janitorial, grounds maintenance, child care workers)	0	0
Sub-Total 5a. through 5d.	19	.6%
6. Agricultural, Forestry & Fishing	0	0
7. Mechanics, Installers and Repairers	1658	54.7%
8. Construction Trades	39	1.3%
9. Production Occupations	449	14.8%
10. Transportation & Material Moving	20	.7%
11. Handlers, Equipment Cleaners, Helpers and Laborers (not included elsewhere)	24	.8%
TOTAL	3031	**100 %**

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

Source of Data (1.g.) Classification By Occupation Data): CIVILIAN PERSONNEL DATA SYSTEM

Description of Occupational Categories used in Table 1.g. The following list identifies public and private sector occupations included in each of the major occupational categories used in the table. Refer to these examples as a guide in determining where to allocate appropriated fund civil service jobs at the activity.

1. **Executive, Administrative and Management.** Accountants and auditors; administrative services managers; budget analysts; construction and building inspectors; construction contractors and managers; cost estimators; education administrators; employment interviewers; engineering, science and data processing managers; financial managers; general managers and top executives; chief executives and legislators; health services managers; hotel managers and assistants; industrial production managers; inspectors and compliance officers, except construction; management analysts and consultants; marketing, advertising and public relations managers; personnel, training and labor relations specialists and managers; property and real estate managers; purchasing agents and managers; restaurant and food service managers; underwriters; wholesale and retail buyers and merchandise managers.
2. **Professional Specialty.** Use sub-headings provided.
3. **Technicians and Related Support.** Health Technologists and Technicians sub-category - self-explanatory. Other Technologists sub-category includes aircraft pilots; air traffic controllers; broadcast technicians; computer programmers; drafters; engineering technicians; library technicians; paralegals; science technicians; numerical control tool programmers.
4. **Administrative Support & Clerical.** Adjusters, investigators and collectors; bank tellers; clerical supervisors and managers; computer and peripheral equipment operators; credit clerks and authorizers; general office clerks; information clerks; mail clerks and messengers; material recording, scheduling, dispatching and distributing; postal clerks and mail carriers; records clerks; secretaries; stenographers and court reporters; teacher aides; telephone, telegraph and teletype operators; typists, word processors and data entry keyers.
5. **Services.** Use sub-headings provided.
6. **Agricultural, Forestry & Fishing.** Self explanatory.
7. **Mechanics, Installers and Repairers.** Aircraft mechanics and engine specialists; automotive body repairers; automotive mechanics; diesel mechanics; electronic equipment repairers; elevator installers and repairers; farm equipment mechanics; general maintenance mechanics; heating, air conditioning and refrigeration technicians; home appliance and power tool repairers, industrial machinery repairers; line installers and cable splicers; millwrights; mobile heavy equipment mechanics; motorcycle, boat and small engine mechanics; musical instrument repairers and tuners; vending machine servicers and repairers.
8. **Construction Trades.** Bricklayers and stonemasons; carpenters; carpet installers; concrete masons and terrazzo workers; drywall workers and lathers; electricians; glaziers; highway maintenance; insulation workers; painters and paperhangers; plasterers; plumbers and pipefitters; roofers; sheet metal workers; structural and reinforcing ironworkers; tilesetters.
9. **Production Occupations.** Assemblers; food processing occupations; inspectors, testers and graders; metalworking and plastics-working occupations; plant and systems operators, printing occupations; textile, apparel and furnishings occupations; woodworking occupations; miscellaneous production operations.
10. **Transportation & Material Moving.** Busdrivers; material moving equipment operators; rail transportation occupations; truckdrivers; water transportation occupations.
11. **Handlers, Equipment Cleaners, Helpers and Laborers** (not included elsewhere). Entry level jobs not requiring significant training.

DATA CALL 65
ECONOMIC AND COMMUNITY INFRASTRUCTURE DATA

h. Employment of Military Spouses. Complete the following table to provide estimated information concerning military spouses who are also employed in the area defined in response to question 1.b., above. **Do not fill in shaded area.**

installation or activity

1. Percentage of Military Employees Who Are Married:	100%
2. Percentage of Military Spouses Who Work Outside of the Home:	50%
3. Break out of Spouses' Location of Employment (Total of rows 3a. through 3d. should equal 100% and reflect the number of spouses used in the calculation of the "Percentage of Spouses Who Work Outside of the Home".	
3a. Employed "On-Base" - Appropriated Fund:	20%
3b. Employed "On-Base" - Non-Appropriated Fund:	10%
3c. Employed "Off-Base" - Federal Employment:	0
3d. Employed "Off-Base" - Other Than Federal Employment	20%

Source of Data (1.h.) Spouse Employment Data): MILITARY PERSONNEL RECORDS & PERSONAL CONTACT

Command: NAS Corpus Christi

Data Call Number Sixty-Five Additional Information
(Pages 1-13)

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PEM
NAME	Signature
Acting	24 AUG 1994
Title	Date
CNET	
Activity	

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER	WAEarner
NAME	Signature
	9/1/94
Title	Date

Encl (1)

This certification for NAS Corpus Christi UIC 00216 BRAC-95, for Data call SIXTY FIVE, Addendum I.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

COMMANDER
Title

Training Air Wing FOUR
Activity

Signature

18 JUL 94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

W. B. HAYDEN, RADM, USN
NAME (Please type or print)

Chief of Naval Air Training
Title

Naval Air Training Command
Activity

Signature

9 AUG 94
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Title

Activity

Signature

Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Title

Signature

Date

ENCL(15)

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, for Data call SIXTY FIVE, Addendum I

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

Signature

COMMANDING OFFICER
Title

7-15-94
Date

Naval Air Station, Corpus Christi
Activity

11 AUG REC'D

DEPARTMENT OF THE ARMY
CORPUS CHRISTI ARMY DEPOT
308 CRECY STREET
CORPUS CHRISTI, TEXAS 78419-5260

SDSCC-G (BP) 13 July 1994

MEMORANDUM FOR Commanding Officer, Naval Air Station,
Corpus Christi, TX 78419

SUBJECT: Corpus Christi Army Depot Response to Department of the Navy Data Call 65

1. Corpus Christi Army Depot's response to Data Call 65 is enclosed.

2. The information contained in this report is accurate and complete to the best of my knowledge and belief.

3. The point of contact for this Data Call is Mr. David R. Williams, DSN 861-2525/4645, commercial (512) 939-2525/4645, DSN datafax 861-3418 or commercial datafax (512) 939-3418.

Encl

for DAVID J. FOWLER
Colonel, AV
Commanding

CF:
AMCCOM, ATTN: AMSMC-ST (Mr. Alan Wilson)
DESCOM, ATTN: AMSDS-MN-AR (Mr. Joe Kirby)

BRAC 95 CERTIFICATION

UIC 00216 BRAC-95, Data Call SIXTY FIVE

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

Joanne Weier
Name (Please type or print)

Joanne K Weier
Signature

Classification and Staffing Specialist
Title

13 July 1994
Date

Personnel
Directorate

Corpus Christi Army Depot
Activity

Enclosure (1)

11 AUG REC'D

SDSCC-PC

12 July 1994

MEMORANDUM FOR Mr. Randy Williams, Directorate of Business Operations

SUBJECT: BRAC Data Call Number of Sixty Five

1. Enclosed is the requested information for the above data call.

2. The response to question 1a was obtained from the Directorate of Resource Management, Mr. Leonard Anderson. He can provide you with the back up data and certification.

3. Responses to questions 1b through 1g were obtained from the Civilian Personnel Data System and area maps. Each source data line is completed. Data printouts from which this information was tabulated are attached.

4. The response to question 1h was obtained from Military Personnel records and/or direct contact with the member or spouse. Mr. Paul Boardingham can verify the accuracy of this data.

5. If you have any questions, please do not hesitate to call.

Joanne L. Weier
Personnel Staffing &
Classification Specialist

225

DATA CALL 66 UIC: 43100
INSTALLATION RESOURCES

Activity Information:

Activity Name:	PERSUPPDET Corpus Christi
UIC:	43100
Host Activity Name (if response is for a tenant activity):	Naval Air Station Corpus Christi
Host Activity UIC:	00216

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. Base Operating Support (BOS) Cost Data. Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead). This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional

lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: PERSUPPDET Corpus Christi		UIC: 43100	
Category	FY 1996 BOS Costs ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities			
2b. Transportation			
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration	98	1150	1248
2j. Other (Specify)			
2k. Sub-total 2a. through 2j:	98	1150	1248
3. Grand Total (sum of 1c. and 2k.):	98	1150	1248

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)
O&MN	760
MPN	456
RPN	32

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

DATA CALL 66 UIC: 43100
INSTALLATION RESOURCES

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: N/A; not a DBOF Activity		UIC: 43100	
Category	FY 1996 Net Cost From UC/FUND-4 ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (> $15K)			
1b. Real Property Maintenance (< $15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

DATA CALL 66 UIC: 43100
INSTALLATION RESOURCES

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected **FY 1996** costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data

Activity Name: PERSUPPDET Corpus Christi	**UIC: 43100**
Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	1
Material and Supplies (including equipment):	77
Industrial Fund Purchases (other DBOF purchases):	0
Transportation:	0
Other Purchases (Contract support, etc.):	20
Total:	98

3. Contractor Workyears.

a. **On-Base Contract Workyear Table.** Provide a projected estimate of the number of contract workyears expected to be performed "on base" in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears	
Activity Name: PERSUPPDET Corpus Christi	**UIC: 43100**
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	0

* **Note:** Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A; no contract workyears

2) Estimated number of workyears which would be eliminated:

N/A; no contract workyears

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A; no contract workyears

DATA CALL 66 UIC: 43100
INSTALLATION RESOURCES

c. **"Off-Base" Contract Workyear Data.** Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above)**: No.

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
None	

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
None	

PSA JACKSONVILLE UIC N68585
DATA CALL SIXTY-SIX

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

RADM H. W. GEHMAN, JR.
NAME (Please type or print)

H. W. Gehman Jr
Signature

Acting
Title Commander in Chief
U.S. Atlantic Fleet
Activity

15 AUG 1994
Date

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W.A. EARNER
NAME (Please type or print)

W A Earner
Signature

Title

9/1/94
Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

D. V. VAN SAUN
NAME (Please type or print)

Doris V Van Saun
Signature

Commanding Officer, Acting
Title

8/2/94
Date

Personnel Support Activity, Jacksonville
Activity

ENCL (2)

DEPARTMENT OF THE NAVY
CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, DC 20350-2000

IN REPLY REFER TO
1542
Ser N889JG/4U661666
20 Jul 1994

From: Chief of Naval Operations

Subj: PILOT AND NAVAL FLIGHT OFFICER TRAINING RATES, FY 94-99

Ref: (a) CNO ltr 1542 Ser N889J6/3U658748 of 20 Sep 1993

Encl: (1) Pilot Training Rates (PTR), FY 94-99
(2) Naval Flight Officer Training Rates (NFOTR), FY 94-99

1. This letter modifies and supersedes reference (a). Enclosures are effective on receipt and reflect planned production goals for FY 94-99. These goals are intended to resolve current pool excesses, balance ongoing transitions and new production with FRS output and return to steady state force mix of 10 CVWs, 12 VP Squadrons and appropriate force support for 330 ships in FY 97.

2. Significant changes include:

- Increase VFA pilot manning from 17 to 19/squadron
- Reduction from 15 to 12 VP squadrons
- Decom of VAW 122
- Realignment of E2/C2 pilot career paths
- Adjustment for Helo pools
- WSO curriculum approved/20 to 40 plus up of FMS NFOTR

3. OPNAV point of contact is Captain Scott Krajnik, N889G/J, A/V 224-6010/6013, commercial 703-614-6010/3.

J.S. MOBLEY
By direction

Distribution:
CNO (N1, 11, 12, N88C, N88R, N889C, N889F, N095, N821E)
CMC (A, T, M, ASM-31, MPP-33, MMOA-2)
CG MCCDC (TE32A)
COMDT COGARD (G-PO-2/23, TO-2/7)
CHNAVPERS (211V, 43, 432, 433)
CNET (OOL/T25)
CNATRA (OO, N019, N-1, N-2, N-3, N-32, N-34, N-7)
COMNAVAIRESFOR (CODE 51)
COMNAVCRUITCOM (CODE 311)
NAVDEPNOAA
NETSAFA
NAVMAC (CODE 3)

PILOT TRAINING RATES 20 JUL 94

FY-94	STRIKE	MARITIME	E2/C2	ROTARY	TOTAL
USN	173	120	43	214	550
USMC	118	32	0	188	338
COGARD	0	15	0	35	50
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	321	214	43	502	1080
FY-95					
USN	163	140	36	184	523
USMC	110	31	0	181	322
COGARD	0	10	0	45	55
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	303	228	36	475	1042
FY-96					
USN	183	140	36	184	543
USMC	106	29	0	181	316
COGARD	0	12	0	38	50
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	319	228	36	468	1051
FY-97					
USN	203	146	36	184	569
USMC	103	28	0	176	307
COGARD	0	12	0	38	50
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	336	233	36	463	1068
FY-98					
USN	203	146	36	200	585
USMC	103	28	0	176	307
COGARD	0	12	0	38	50
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	336	233	36	479	1084
FY-99					
USN	203	146	36	200	585
USMC	103	28	0	176	307
COGARD	0	12	0	38	50
FMS	30	45	0	65	140
NOAA	0	2	0	0	2
TOTAL	336	233	36	479	1084

ENCLOSURE (1)

NAVAL FLIGHT OFFICER TRAINING RATES 20 Jul 1994

FY-94	RIO	WSO	TN	OJN	ATDS	NAV	TOTAL
USN	29	0	48	37	35	102	251
USMC	0	17	14	0	0	0	31
FMS	0	0	0	0	0	15	15
NOAA	0	0	0	0	0	1	1
TOTAL	29	17	62	37	35	118	298
FY-95							
USN	39	0	38	37	35	122	271
USMC	0	18	12	0	0	0	30
FMS	0	20	0	0	0	15	35
NOAA	0	0	0	0	0	1	1
TOTAL	39	38	50	37	35	138	337
FY-96							
USN	39	0	38	57	35	128	297
USMC	0	18	12	0	0	0	30
FMS	0	40	0	0	0	15	55
NOAA	0	0	0	0	0	1	1
TOTAL	39	58	50	57	35	144	383
FY-97							
USN	48	0	38	57	40	128	311
USMC	0	18	12	0	0	0	30
FMS	0	40	0	0	0	15	55
NOAA	0	0	0	0	0	1	1
TOTAL	48	58	50	57	40	144	397
FY-98							
USN	48	0	38	57	40	128	311
USMC	0	18	12	0	0	0	30
FMS	0	40	0	0	0	15	55
NOAA	0	0	0	0	0	1	1
TOTAL	48	58	50	57	40	144	397
FY-99							
USN	48	0	38	57	40	128	311
USMC	0	18	12	0	0	0	30
FMS	0	40	0	0	0	15	55
NOAA	0	0	0	0	0	1	1
TOTAL	48	58	50	57	40	144	397

ENCLOSURE (2)

PILOT AND NAVAL FLIGHT OFFICER TRAINING RATES, FY 94-99

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER	
NAME (Please type or print)	Signature
	11/21/94
Title	Date

00216 19 Jul 94

Activity Information:

Activity Name:	NAS Corpus Christi
UIC:	00216
Host Activity Name (if response is for a tenant activity):	
Host Activity UIC:	

General Instructions/Background. A separate response to this data call must be completed for each Department of the Navy (DON) host, independent and tenant activity which separately budgets BOS costs (regardless of appropriation), and, is located in the United States, its territories or possessions.

1. **Base Operating Support (BOS) Cost Data.** Data is required which captures the total annual cost of operating and maintaining Department of the Navy (DON) shore installations. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Two tables are provided. Table 1A identifies "Other than DBOF Overhead" BOS costs and Table 1B identifies "DBOF Overhead" BOS costs. These tables must be completed, as appropriate, for all DON host, independent or tenant activities which separately budget BOS costs (regardless of appropriation), and, are located in the United States, its territories or possessions. Responses for DBOF activities may need to include both Table 1A and 1B to ensure that all BOS costs, including those incurred by the activity in support of tenants, are identified. If both table 1A and 1B are submitted for a single DON activity, please ensure that no data is double counted (that is, included on both Table 1A and 1B). The following tables are designed to collect all BOS costs currently budgeted, regardless of appropriation, e.g., Operations and Maintenance, Research and Development, Military Personnel, etc. Data must reflect FY 1996 and should be reported in thousands of dollars.

a. Table 1A - Base Operating Support Costs (Other Than DBOF Overhead). This Table should be completed to identify "Other Than DBOF Overhead" Costs. Display, in the format shown on the table, the O&M, R&D and MPN resources currently budgeted for BOS services. O&M cost data must be consistent with data provided on the BS-1 exhibit. Report only direct funding for the activity. Host activities should not include reimbursable support provided to tenants, since tenants will be separately reporting these costs. Military personnel costs should be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Add additional lines to the table (following line 2j., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

00216 19 Jul 94

(See Page 2a)

ADA HOARD ONET N-43 26 Jul 94

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name:		**UIC:**	
Category	**FY 1996 BOS Costs ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities			
2b. Transportation			
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration			
2j. Other (Specify)			
2k. Sub-total 2a. through 2j:			
3. Grand Total (sum of 1c. and 2k.):			

MCD
Donaldson
N812
CNET
2-26-94

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)
Claimant :CNET

Activity Name: NAS CORPUS CHRISTI TX UIC: 00216

Category	FY 1996 BOS Costs ($000) Non-Labor	Labor	Total
1. REAL PROPERTY MAINTENANCE COSTS:			
1a. Maintenance and Repair	7926	3968	11894
1b. Minor Construction	1030	32	1062
1c. Sub-total 1a. and 1b.	8956	4000	12956
2. OTHER BASE OPERATING COSTS:			
2a. Utilities	349	523	872
2b. Transportation	207	336	543
2c. Environmental	2671	419	3090
2d. Facility Leases	0	0	0
2e. Morale, Welfare & Recreation	189	1399	1588
2f. Bachelor Quarters	326	1234	1560
2g. Child Care Centers	47	270	317
2h. Family Service Centers	47	396	443
2i. Administration	6	663	669
2j. Other	608	13765	14373
2k. Sub-total 2a. through 2j.	4450	19005	23455
3. GRAND TOTAL (sum of 1c. and 2k.)	13406	23005	36411

b. Funding Source

Appropriation:

O&M,N	29920
MPN	6491

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation Amount ($000)

(see page 2a)

AFA HEARD CNET N-4432 26 Jul 94

c. Table 1B - Base Operating Support Costs (DBOF Overhead). This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

Not applicable - not a DBOF activity.

AFA HEARD CNET N-4432 26 Jul 94

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name:		**UIC:**	
Category	**FY 1996 Net Cost From UC/FUND-4 ($000)**		
	Non-Labor	**Labor**	**Total**
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)			
1b. Real Property Maintenance (<$15K)			
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.			
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities			
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:			
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :			

2. Services/Supplies Cost Data. The purpose of Table 2 is to provide information about projected **FY 1996** costs for the purchase of services and supplies by the activity. **(Note: Unlike Question 1 and Tables 1A and 1B, above, this question is not limited to overhead costs.)** The source for this information, where possible, should be either the NAVCOMPT OP-32 Budget Exhibit for O&M activities or the NAVCOMPT UC/FUND-1/IF-4 exhibit for DBOF activities. Information must reflect FY 1996 budget data supporting the FY 1996 NAVCOMPT Budget Submit. Break out cost data by the major sub-headings identified on the OP-32 or UC/FUND-1/IF-4 exhibit, disregarding the sub-headings on the exhibit which apply to civilian and military salary costs and depreciation. Please note that while the OP-32 exhibit aggregates information by budget activity, this data call requests OP-32 data for the activity responding to the data call. Refer to NAVCOMPTINST 7102.2B of 23 April 1990, Subj: Guidance for the Preparation, Submission and Review of the Department of the Navy (DON) Budget Estimates (DON Budget Guidance Manual) with Changes 1 and 2 for more information on categories of costs identified. Any rows that do not apply to your activity may be left blank. However, totals reported should reflect all costs, exclusive of salary and depreciation.

Table 2 - Services/Supplies Cost Data

Activity Name: NAS Corpus Christi	**UIC: 00216**
Cost Category	**FY 1996 Projected Costs ($000)**
Travel:	160
Material and Supplies (including equipment):	11,988
Industrial Fund Purchases (other DBOF purchases):	Ø
Transportation:	Ø
Other Purchases (Contract support, etc.):	8,276
Total:	20,424

AVA HOPPER CNOT N-4452 26 Jul 94

3. Contractor Workyears.

a. On-Base Contract Workyear Table. Provide a projected estimate of the number of contract workyears expected to be **performed "on base"** in support of the installation during FY 1996. Information should represent an annual estimate on a full-time equivalency basis. Several categories of contract support have been identified in the table below. While some of the categories are self-explanatory, please note that the category "mission support" entails management support, labor service and other mission support contracting efforts, e.g., aircraft maintenance, RDT&E support, technical services in support of aircraft and ships, etc.

Table 3 - Contract Workyears	
Activity Name: NAS Corpus Christi	**UIC:** 00216
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	0
Facilities Support:	73
Mission Support:	18
Procurement:	~~0~~
Other:*	34
Total Workyears:	125

Ann HEARD ONET N-4432 26 June

* Note: Provide a brief narrative description of the type(s) of contracts, if any, included under the "Other" category.

Custodial, Copier, Solid Waste, Linen, Chaplain Services, Miscellaneous Contracts.

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract Workyears** identified in Table 3.?

1) Estimated number of contract Workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

18 Workyears

2) Estimated number of Workyears which would be eliminated:

107 Workyears

3) Estimated number of contract Workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

No Workyears

c. **"Off-Base" Contract Workyear Data.** Are there any contract Workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above)**:

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
2	**Office machine repair**

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
None	

Command: NAS Corpus Christi

Data Call Number Sixty-Six

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

P. E. TOBIN	PE T
NAME	Signature
CNET	27 JUL 1994
Title	Date
CNET	
Activity	

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER	WAEarner
NAME	Signature
	8/6/94
Title	Date

21 JUL 1994

This certification for NAS Corpus Christi UIC 00216 BRAC-95, for Data call SIXTY SIX

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

J. J. GROSEL, CAPT, USN
NAME (Please type or print)

Signature

COMMANDER
Title

19 JUL 94
Date

Training Air Wing FOUR
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief, and applies only to sections 2 and 3 and within CNET established controls.

NEXT ECHELON LEVEL (if applicable)

P. R. STATSKEY, CAPT, USN
NAME (Please type or print)

Signature

Chief of Naval Air Training (Acting)
Title

7/20/94
Date

Naval Air Training Command
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

NAME (Please type or print)

Signature

Title

Date

Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

NAME (Please type or print)

Signature

Title

Date

BRAC-95 CERTIFICATION

Reference: SECNAVNOTE 11000 of 08 December 1993

In accordance with policy set forth by the Secretary of the Navy, personnel of the Department of the Navy, uniformed and civilian, who provide information for use in the BRAC-95 process are required to provide a signed certification that states "I certify that the information contained herein is accurate and complete to the best of my knowledge and belief."

The signing of this certification constitutes a representation that the certifying official has reviewed the information and either (1) personally vouches for its accuracy and completeness or (2) has possession of, and is relying upon, a certification executed by a competent subordinate.

Each individual in your activity generating information for the BRAC-95 process must certify that information. Enclosure (1) is provided for individual certifications and may be duplicated as necessary. You are directed to maintain those certifications at your activity for audit purposes. For purposes of this certification sheet, the commander of the activity will begin the certification process and each reporting senior in the Chain of Command reviewing the information will also sign this certification sheet. This sheet must remain attached to this package and be forwarded up the Chain of Command. Copies must be retained by each level in the Chain of Command for audit purposes.

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

ACTIVITY COMMANDER

This certification for UIC 00216 BRAC-95, for Data call SIXTY SIX

F. W. MONTESANO, CAPT, USN
NAME (Please type or print)

Frank Montesano
Signature

COMMANDING OFFICER
Title

7-19-94
Date

Naval Air Station, Corpus Christi
Activity

DATA CALL 66
INSTALLATION RESOURCES

Activity Information:

Activity Name:	DBO Corpus Christi
UIC:	66956
Host Activity Name (if response is for a tenant activity):	Naval Air Station Corpus Christi
Host Activity UIC:	00216

DATA CALL 66
INSTALLATION RESOURCES

Table 1A - Base Operating Support Costs (Other Than DBOF Overhead)			
Activity Name: Defense Printing Service		UIC: ~~AH~~ 66 956	
Category	FY 1996 BOS Costs ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Maintenance and Repair			
1b. Minor Construction			
1c. Sub-total 1a. and 1b.			
2. Other Base Operating Support Costs:			
2a. Utilities			
2b. Transportation			
2c. Environmental			
2d. Facility Leases			
2e. Morale, Welfare & Recreation			
2f. Bachelor Quarters			
2g. Child Care Centers			
2h. Family Service Centers			
2i. Administration			
2j. Other (Specify)			
2k. Sub-total 2a. through 2j:			
3. Grand Total (sum of 1c. and 2k.):			

N/A (DPS is DBOF)

UIC: 66956

DATA CALL 66
INSTALLATION RESOURCES

b. Funding Source. If data shown on Table 1A reflects more than one appropriation, then please provide a break out of the total shown for the "3. Grand-Total" line, by appropriation:

Appropriation	Amount ($000)
N/A	

c. **Table 1B - Base Operating Support Costs (DBOF Overhead).** This Table should be submitted for all current DBOF activities. Costs reported should reflect BOS costs supporting the DBOF activity itself (usually included in the G&A cost of the activity). For DBOF activities which are tenants on another installation, total cost of BOS incurred by the tenant activity for itself should be shown on this table. It is recognized that differences exist among DBOF activity groups regarding the costing of base operating support: some groups reflect all such costs only in general and administrative (G&A), while others spread them between G&A and production overhead. Regardless of the costing process, all such costs should be included on Table 1B. The Minor Construction portion of the FY 1996 capital budget should be included on the appropriate line. Military personnel costs (at civilian equivalency rates) should also be included on the appropriate lines of the table. Please ensure that individual lines of the table do not include duplicate costs. Also ensure that there is no duplication between data provided on Table 1A. and 1B. These two tables must be mutually exclusive, since in those cases where both tables are submitted for an activity, the two tables will be added together to estimate total BOS costs at the activity. Add additional lines to the table (following line 21., as necessary, to identify any additional cost elements not currently shown). **Leave shaded areas of table blank.**

Other Notes: All costs of operating the five Major Range Test Facility Bases at DBOF activities (even if direct RDT&E funded) should be included on Table 1B. Weapon Stations should include underutilized plant capacity costs as a DBOF overhead "BOS expense" on Table 1B..

Table 1B - Base Operating Support Costs (DBOF Overhead)			
Activity Name: DBO Corpus Christi		UIC: 66956	
Category	FY 1996 Net Cost From UC/FUND-4 ($000)		
	Non-Labor	Labor	Total
1. Real Property Maintenance Costs:			
1a. Real Property Maintenance (>$15K)			
1b. Real Property Maintenance (<$15K)	$4		$4
1c. Minor Construction (Expensed)			
1d. Minor Construction (Capital Budget)			
1c. Sub-total 1a. through 1d.	$4		$4
2. Other Base Operating Support Costs:			
2a. Command Office			
2b. ADP Support			
2c. Equipment Maintenance			
2d. Civilian Personnel Services			
2e. Accounting/Finance			
2f. Utilities	$23		$23
2g. Environmental Compliance			
2h. Police and Fire			
2i. Safety			
2j. Supply and Storage Operations			
2k. Major Range Test Facility Base Costs			
2l. Other (Specify)			
2m. Sub-total 2a. through 2l:	$23		$23
3. Depreciation			
4. Grand Total (sum of 1c., 2m., and 3.) :	$27		$27

DATA CALL 66
INSTALLATION RESOURCES

Table 2 - Services/Supplies Cost Data	
Activity Name: DBO Corpus Christi	UIC: 66956
Cost Category	FY 1996 Projected Costs ($000)
Travel:	$3
Material and Supplies (including equipment):	$171
Industrial Fund Purchases (other DBOF purchases):	$0
Transportation:	$0
Other Purchases (Contract support, etc.):	$836
Total:	$1,010

DATA CALL 66
INSTALLATION RESOURCES

Table 3 - Contract Workyears	
Activity Name: Defense Printing Service	**UIC:** ~~AT~~ 66956
Contract Type	**FY 1996 Estimated Number of Workyears On-Base**
Construction:	
Facilities Support:	
Mission Support:	
Procurement:	
Other:*	
Total Workyears:	

N/A (DPS has tenants only; do not support installations)

UIC 66956

DATA CALL 66
INSTALLATION RESOURCES

b. Potential Disposition of On-Base Contract Workyears. If the mission/functions of your activity were relocated to another site, what would be the anticipated disposition of the **on-base contract workyears** identified in Table 3.?

1) Estimated number of contract workyears which would be transferred to the receiving site (This number should reflect the number of jobs which would in the future be contracted for at the receiving site, not an estimate of the number of people who would move or an indication that work would necessarily be done by the same contractor(s)):

N/A

2) Estimated number of workyears which would be eliminated:

N/A

3) Estimated number of contract workyears which would remain in place (i.e., contract would remain in place in current location even if activity were relocated outside of the local area):

N/A

UIC 66956

DATA CALL 66
INSTALLATION RESOURCES

c. "Off-Base" Contract Workyear Data. Are there any contract workyears located in the local community, but not on-base, which would either be eliminated or relocated if your activity were to be closed or relocated? If so, then provide the following information **(ensure that numbers reported below do not double count numbers included in 3.a. and 3.b., above):**

No. of Additional Contract Workyears Which Would Be Eliminated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
N/A	N/A

No. of Additional Contract Workyears Which Would Be Relocated	General Type of Work Performed on Contract (e.g., engineering support, technical services, etc.)
N/A	N/A

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

NEXT ECHELON LEVEL (if applicable)

NAME (Please type or print) _____ Signature _____

Title _____ Date _____

Activity _____

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

MAJOR CLAIMANT LEVEL

R. M. MOORE, RADM, SC, USN
NAME (Please type or print)

Signature

COMMANDER
Title

AUG 24 1994
Date

NAVAL SUPPLY SYSTEMS COMMAND
Activity

I certify that the information contained herein is accurate and complete to the best of my knowledge and belief.

DEPUTY CHIEF OF NAVAL OPERATIONS (LOGISTICS)
DEPUTY CHIEF OF STAFF (INSTALLATIONS & LOGISTICS)

W. A. EARNER
NAME (Please type or print)

Signature

Title

8/30/94
Date

BRAC-95 CERTIFICATION

EFFECTED LOCATION(S):

DPS-Wide

DATA CALL BEING CERTIFIED:

BRAC-95 Data Call #66

Per SECNAV NOTE 11000 dtd 8 Dec 93

"I certify that the information contained herein for the following location(s) is accurate and complete to the best of my knowledge and belief."

WILLIAM J. PORTER
NAME (Please type or print)

W J Porter
Signature

Acting Director
Title

8/15/94
Date

DPS Headquarters
Activity

Enclosure (1)