

FAC/REA/hf  
6280/1  
29 Mar 1983

3. Training activities as scheduled for these areas can proceed. Following submission of the information requested in the enclosure, these PEAs will be submitted for formal review at the next scheduled Environmental Impact/Environmental Enhancement Review Board meeting.
4. Point-of-contact for further information is Mr. Bob Alexander, office of the Assistant Chief of Staff, Facilities, AV: 484-2544.

J. T. MARSHALL  
By direction

Copy to:  
CG, 2d MarDiv (G-3T)  
CO, MCAS(H), NR (S-4)

Blind Copy to:  
AC/S, Trng  
NREAD (PEAs added to encl)

1942

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FAC/REA/hf  
6280/1  
29 Mar 1983

**From:** Commanding General  
**To:** Commanding General, 2d Marine Aircraft Wing, FMF, Atlantic,  
Marine Corps Air Station, Cherry Point, NC 28533  
**Subj:** Preliminary Environmental Assessments (PEA) for AVELEX 2-83/  
Solid Shield '83 Exercises  
**Ref:** (a) CG, 2d MAW ltr 15/BTW/bew 11000 dtd 1 Mar 83  
(b) BO 11000.1A  
(c) Mtg btwn LtCol BRUNELLI, MCB Trng Pac Off, and  
Mr. ALEXANDER, MCB Fac Ofc, of 11 Mar 1983  
(d) BO P11102.1J  
**Encl:** (1) PEA Review Comments, AVELEX 2-83/Solid Shield '83 dtd  
29 Mar 1983

1. Per the request in reference (a), the PEAs for subject exercises have been reviewed for conformance with reference (b). Review of the PEAs has been coordinated per reference (c) to incorporate provisions for appropriate use of MCB training facilities. Approval of these PEAs is conditional on adherence to reference (d), and the following policies:

- a. Oil and hazardous material spills clean-up and reporting per BO 11090.1B.
- b. Disposal of refuse and solid waste per BO 11350.
- c. Protection of endangered species and habitat per BO 11015.3A, BO 11015.6 and BO 11015.7.
- d. Location of field waste disposal sites must be coordinated with Base Training Facilities Officer (TFACO)(AV: 484-5803) and be properly maintained and closed.

2. The excellent coordination with Base Environmental personnel by the Wing Engineer staff is commendable. These efforts have resulted in PEA documents which reflect proper concern for environmental issues. Particular note is made of the PEA for MCOLP Oak Grove operations as developed by MABS-26. This PEA will satisfy all requirements of reference (b) for similar operations in the future, and is approved. As indicated in the enclosure, the remaining PEAs require additional information which is of a minor nature in most cases.

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29 MAR 1983

PRELIMINARY ENVIRONMENTAL ASSESSMENT

REVIEW COMMENTS

AVELEX 2-83/SOLID SHIELD '83

LOCATION/DESCRIPTION

DATE

1. OP-2/Direct Air Support Center and Command Post 28 Mar - 15 May

CONDITIONALLY APPROVED, provided coordination with Base Training Facilities Officer (TFACO) is completed on the assignment of CP site during the dates shown. NOTE: Site map should indicate Red-Cockaded Woodpecker habitat west of road to TLZ Penguin and Lyman Road.

2. MCOLF Oak Grove/Tactical Base of Operations 28 Mar - 15 Apr

APPROVED; it is noted that aircraft noise is not addressed. The approval is based solely on helicopter operations. Use of AV-8 Harrier aircraft will require a revised PEA.

3. TLZ Bluebird/Tactical Airfield Fuel Dispensing System (TAFDS) and AM-2 Landing Pad 21 Mar - 11 May

CONDITIONALLY APPROVED, provided that:

a. Protective measures as listed in the approval for AVELEX 1-83 are provided during the relocation of the TAFDS.

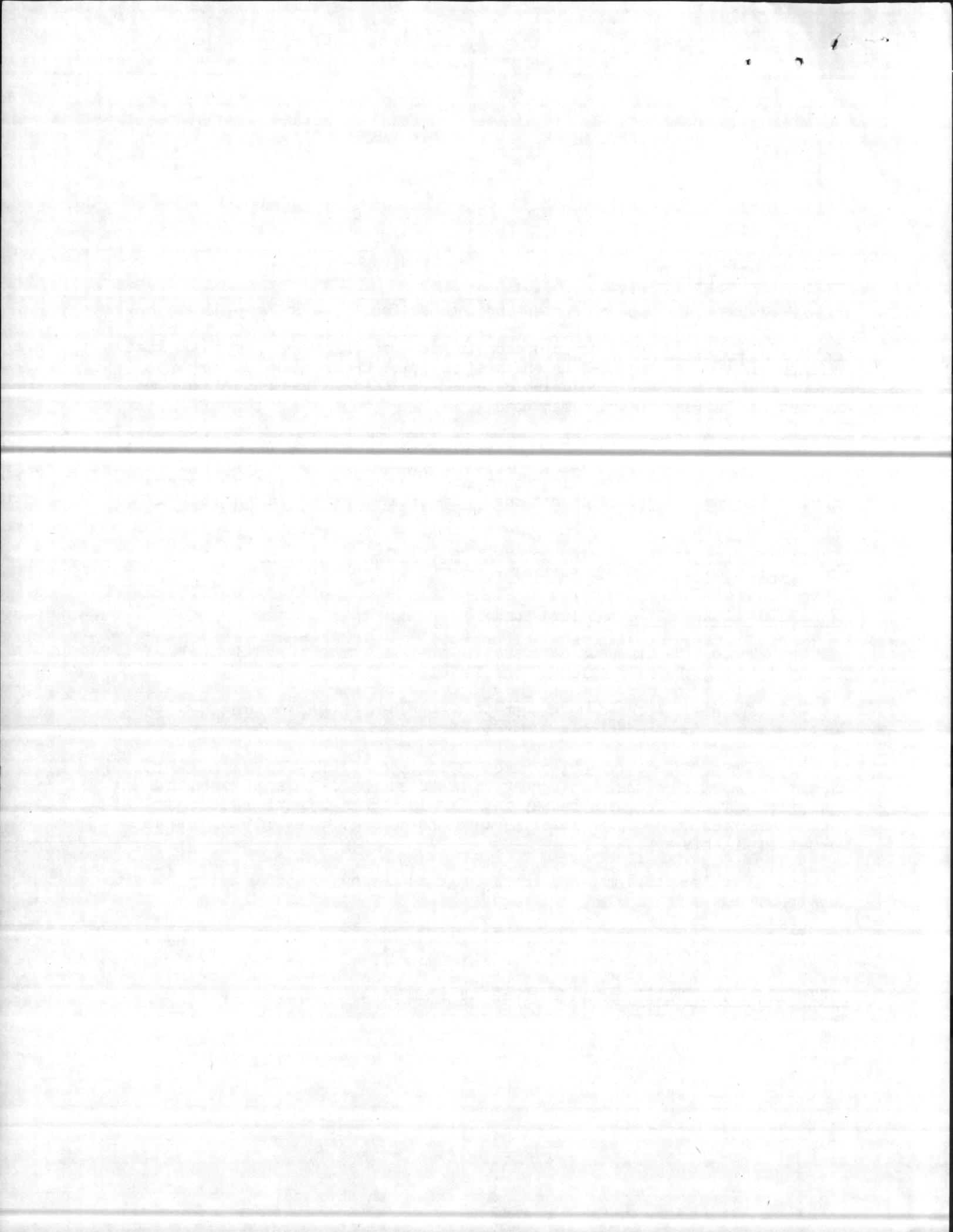
b. Clearing of trees northeast of the present TAFDS is limited to the areas required for operation and berm construction.

c. The archaeological site which is located adjacent to the midpoint and on the north side of the main runway is not disturbed. An area extending approximately 200' from the runway and 200' in either direction along the runway has been marked with metal markers and colored tape. No digging is permitted in this area.

d. A revised site map and the average number of personnel using the site are forwarded.

4. MCAS(H), New River/Hawk Battery Operations Site 29 Mar - 16 Apr  
21 Apr - 11 May

CONDITIONALLY APPROVED, provided that arrangements for sanitary waste disposal are finalized.



LOCATION/DESCRIPTION

DATE

5. Onslow Beach/Early Warning Radar Team 14 Apr - Unk  
    and  
    Onslow Beach/Hawk Missile Firing Batteries 21 Mar - 11 May

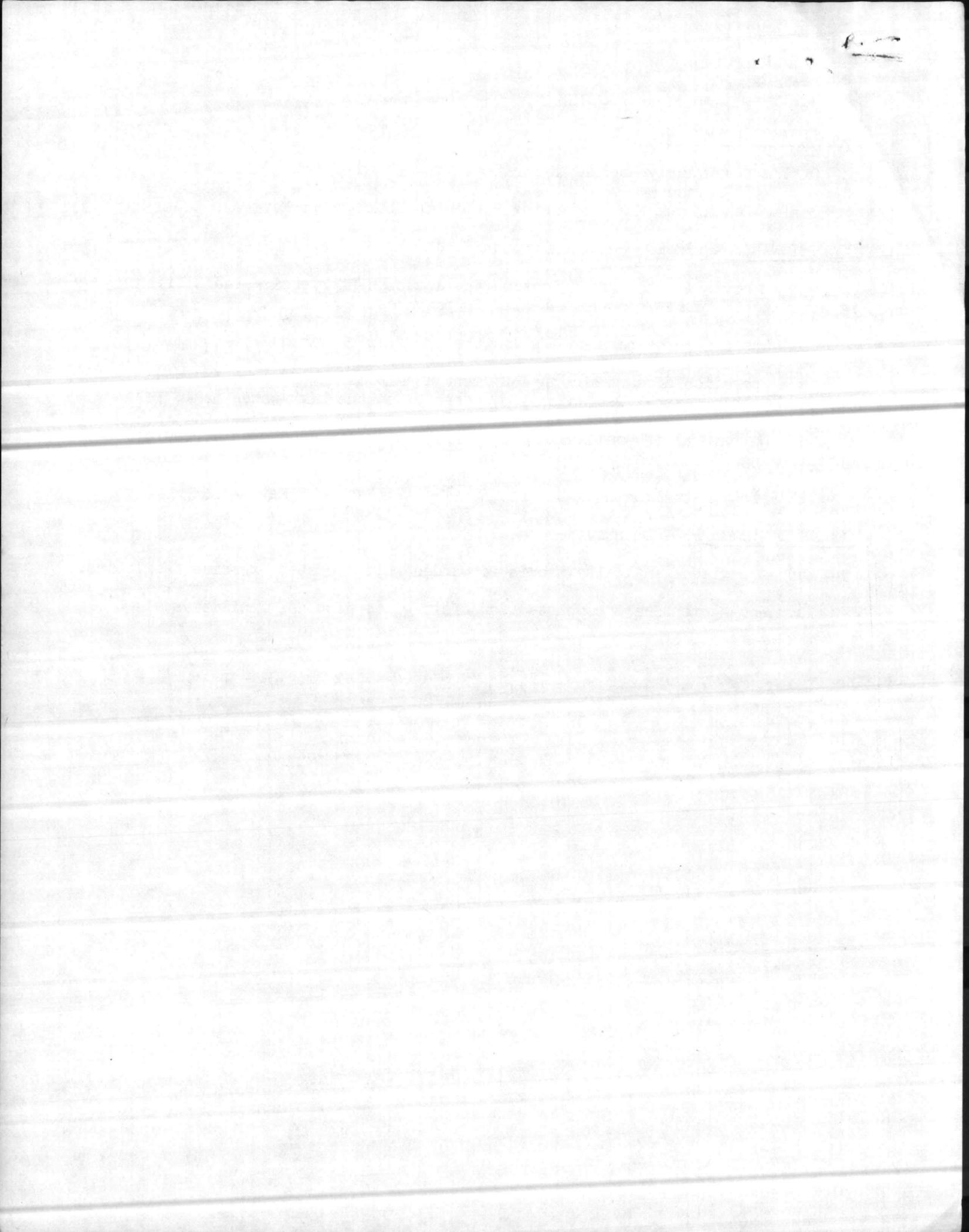
CONDITIONALLY APPROVED, provided that:

- a. A revised site map indicating the location of exercise facilities in relation to the dunes and the waterway is provided.
- b. The number of personnel using the areas is provided.
- c. Operation of earthmoving equipment is minimized adjacent to, and excluded within coastal wetlands; i.e, areas below the high-water mark.
- d. No removal of sand shall occur from the frontal dunes as a result of establishing firing and radar positions.

6. TLZ Falcon/Battalion HQ & Service Area 21 Mar - 11 May

CONDITIONALLY APPROVED, provided that:

- a. A revised final site map is forwarded which locates exercise facilities.
- b. Arrangements are completed for field waste disposal facilities.



01-2

ENVIRONMENTAL IMPACT ASSESSMENT

1. Action Description. Marine Air Support Squadron-1 is planning to deploy the Direct Air Support Center (DASC) and a Command Post (CP) to Marine Corps Base, Camp Lejeune, North Carolina in support of AVELEX 2-83/SOLID SHIELD 83. The deployment is scheduled from 28 March through 15 May 1983 and will consist of a bivouac area, generator site, motor pool, and shower area. The CP area boundary is grid coordinate TP 91303745 to TP 90703760 to TP 90703730 to TP91230740 to TP 91253725. The DASC will be located at TP 91403730.

2. Consideration of alternatives and site selection. A detailed site survey has been conducted, and no alternative site are available.

3. Compliance with federal, state and local environmental regulations and guidelines.

a. Endangered species. Use of the area requested appears to have no apparent beneficial or adverse impact on any endangered species.

b. Clean water act. The level terrain and sandy soils result in a condition of low erosion potential. A shower unit will be erected at the bivouac site. To ensure limiting water run off, a soakage pit may be required. Human waste will be disposed via the use of porta johns throughout the duration of the deployment.

c. Clean air act. Not applicable. The DASC Site and CP will utilize mobil electric power generators with drip pans for POL leakage, the only potential emissions would be exhaust from the generators.

d. Coastal zone management act (CZMA). Not applicable.

e. Archaeological and historical preservation act. Not applicable.

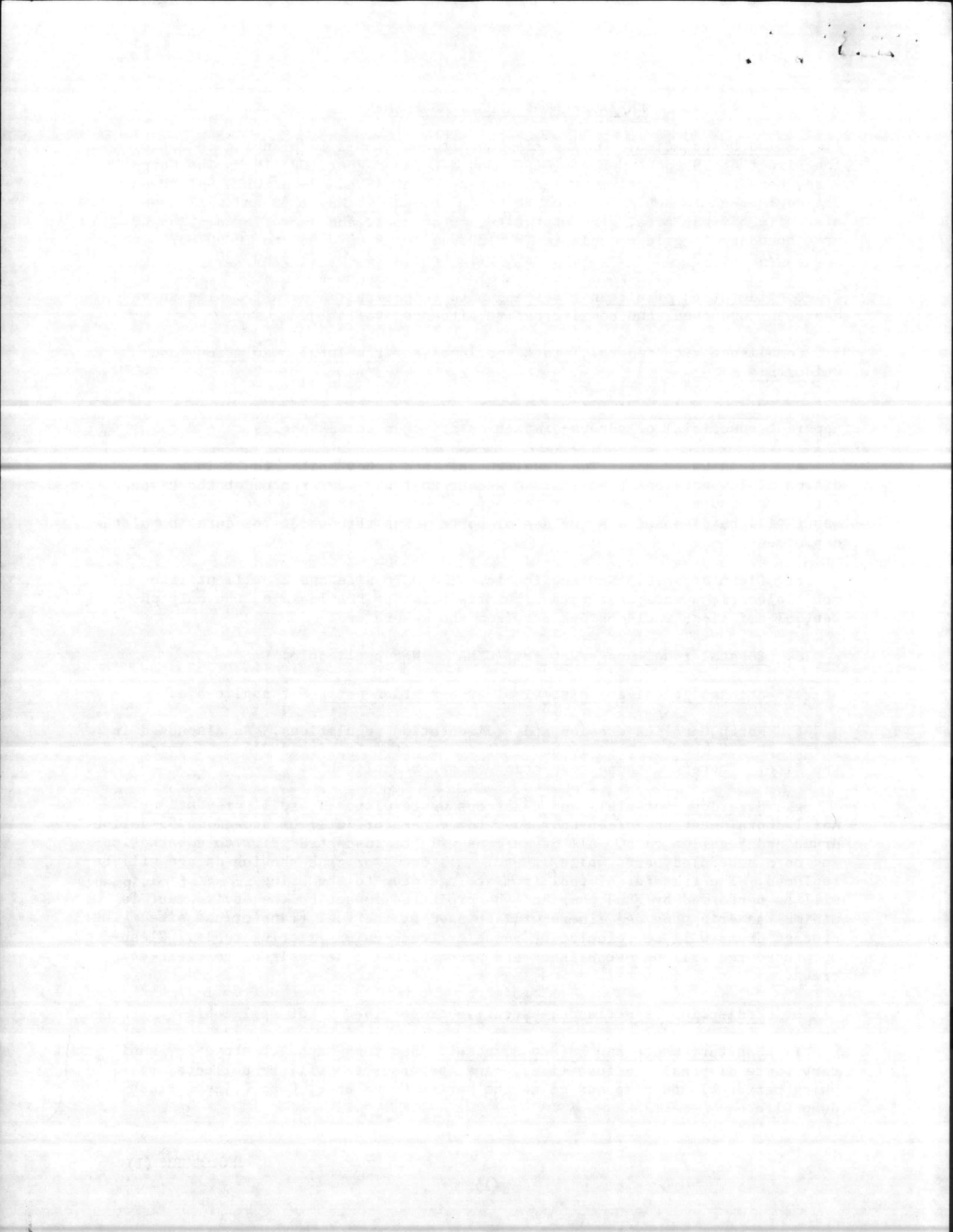
f. North Carolina erosion and sedimentation regulations. As discussed in paragraph 3,b above, there is no significant potential for sediment leaving the site. Therefore these regulations are not applicable.

g. Hazardous materials and hazardous waste disposal, spill prevention, spill containment and clean-up. Fuel for generators will be stowed in 55 gallon drums and 5 gallon cans. All drums/cans will be inspected prior to embarkation and on a scheduled basis while in use. All drums or cans showing damage will be replaced. The transfer of fuel from storage drum to the using items of equipment will be performed by hand pump and the projected impact on the environment is minimal as drip pans and liners will be used at the fuel transfer/use site. The storage drums will be refueled by refueler truck using existing roads. Clean-up procedures will be established and personnel will be assigned to clean-up crews.

h. Projection of wetlands, executive order 11980. Not applicable.

i. Sanitary waste and refuse disposal. See paragraph 3,b above for sanitary waste disposal. Refuse (i.e., cans, papers, etc) will be collected by using personnel and disposed of at the Marine Corps Base, Camp Lejeune trash dump site.

ENCLOSURE (1)



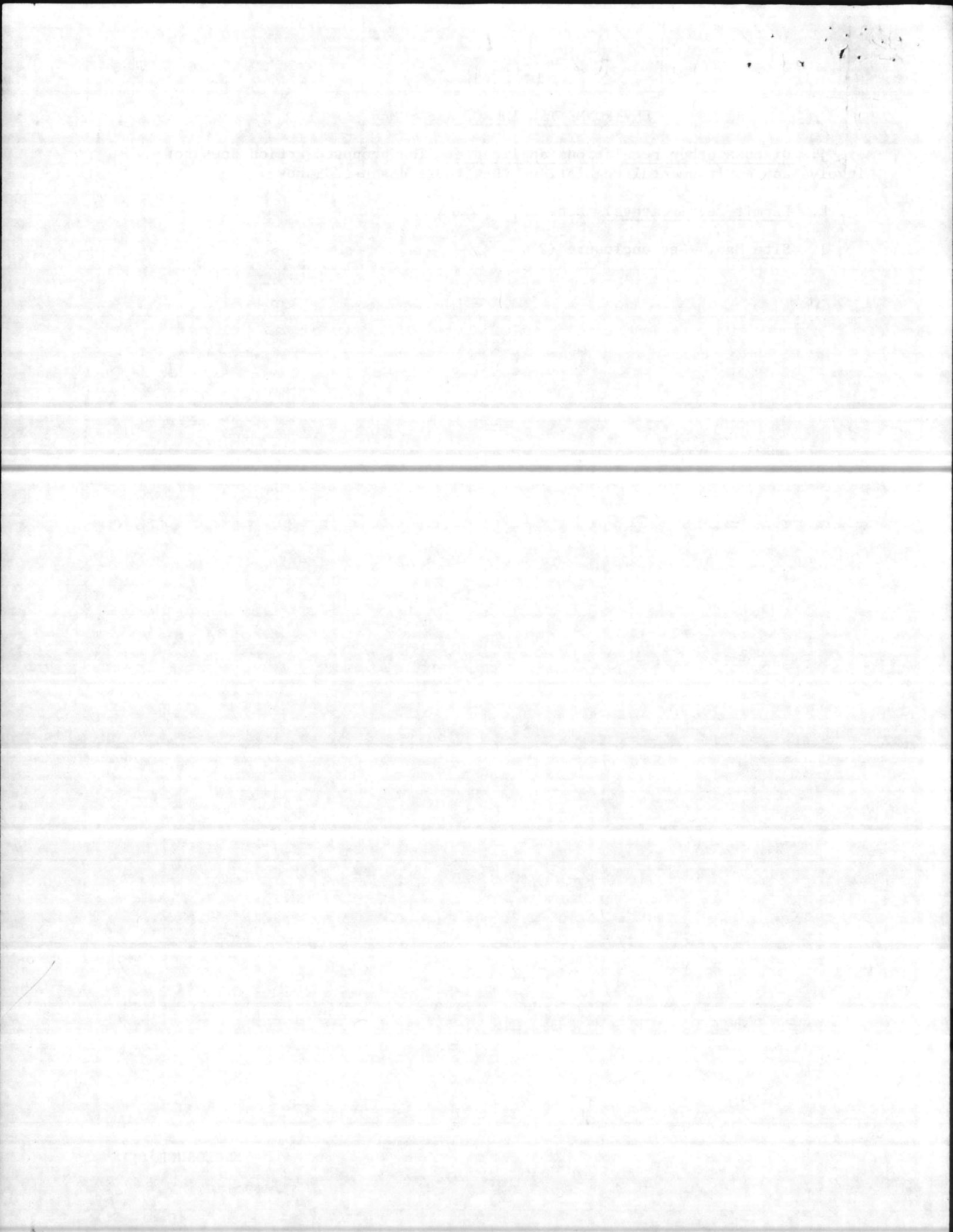
ENVIRONMENTAL IMPACT ASSESSMENT

j. Discuss other regulations applicable. The proposed action does not involve any environmental regulations than those discussed above.

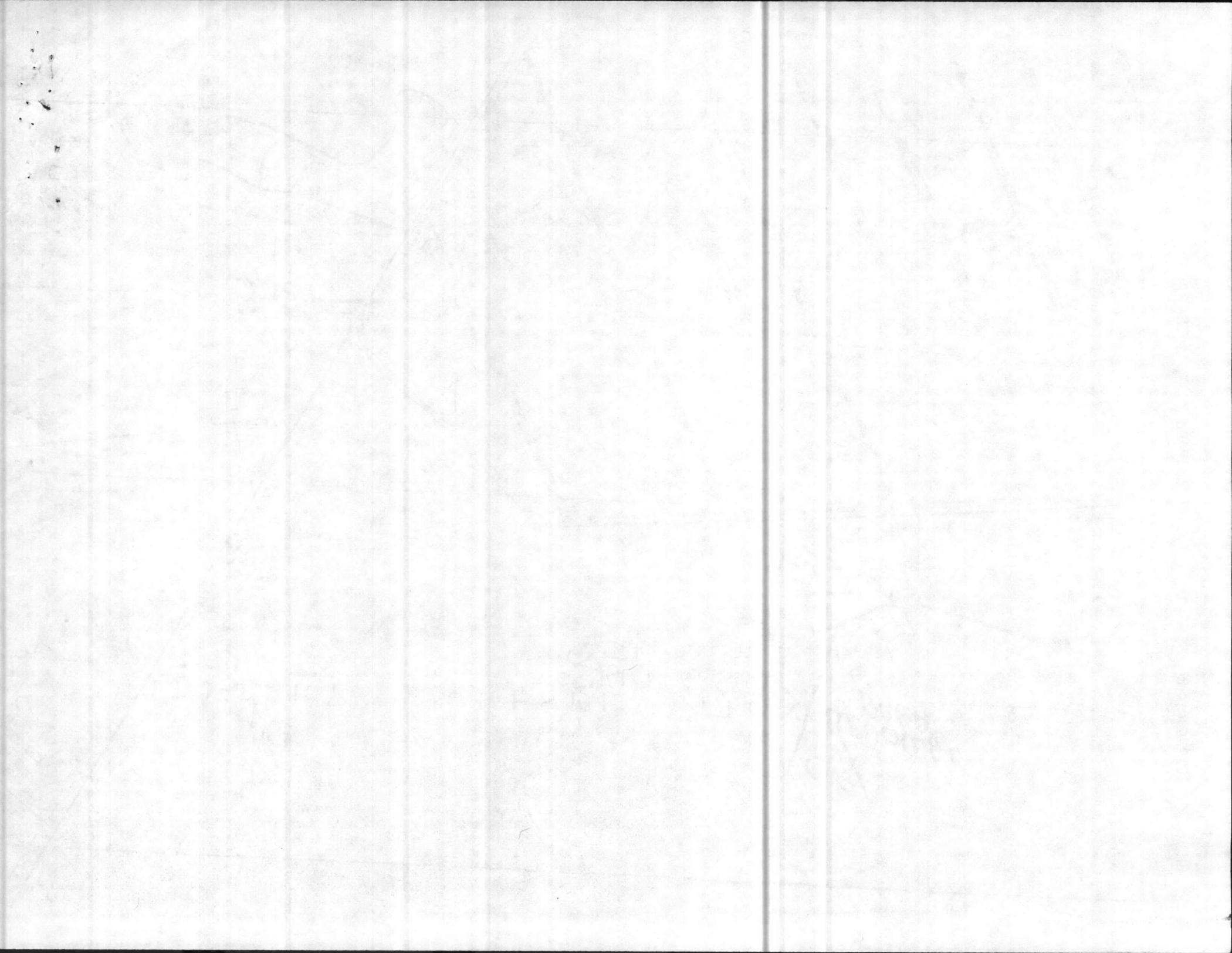
k. Permit requirements. None

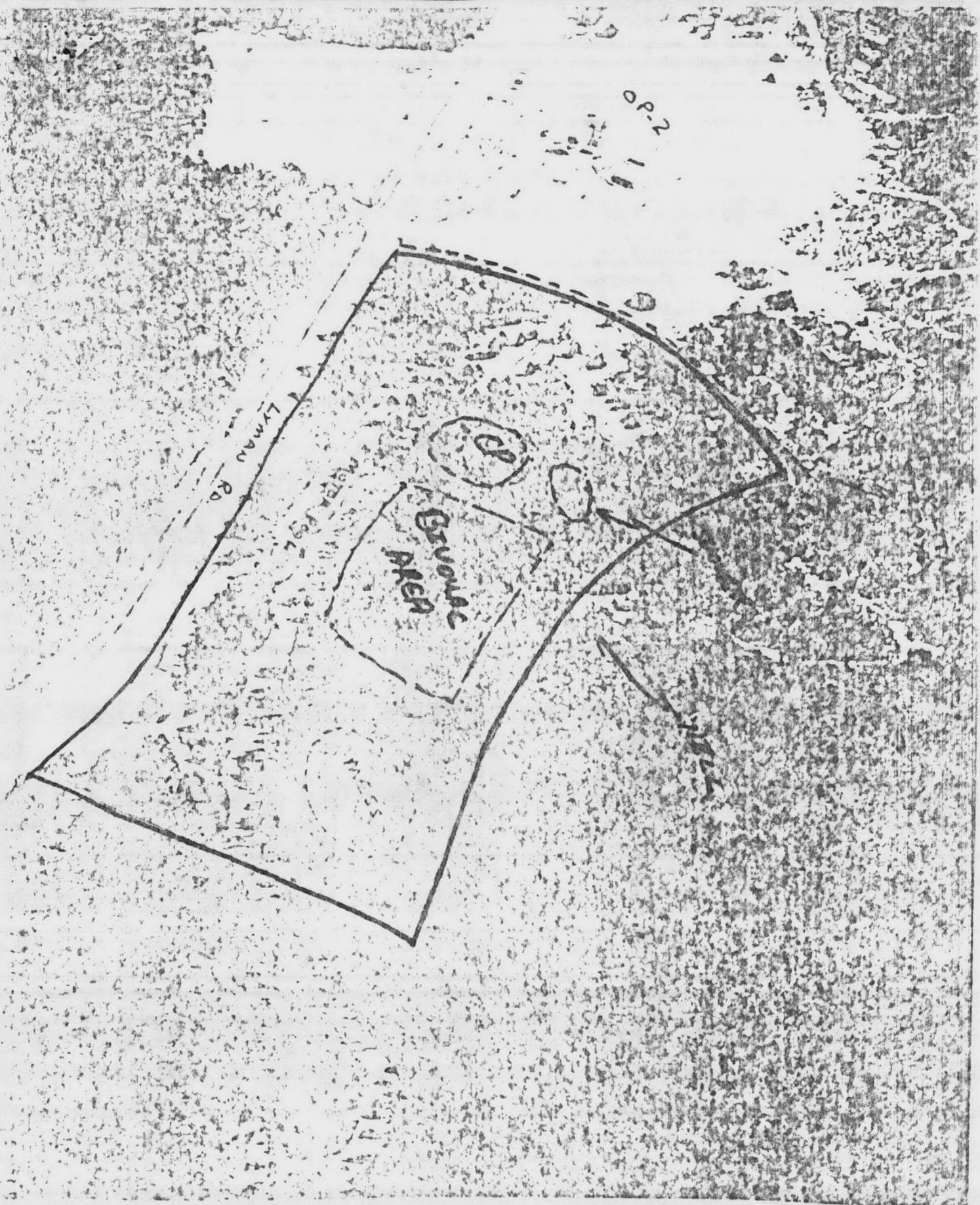
l. Site Map. See enclosure (2).

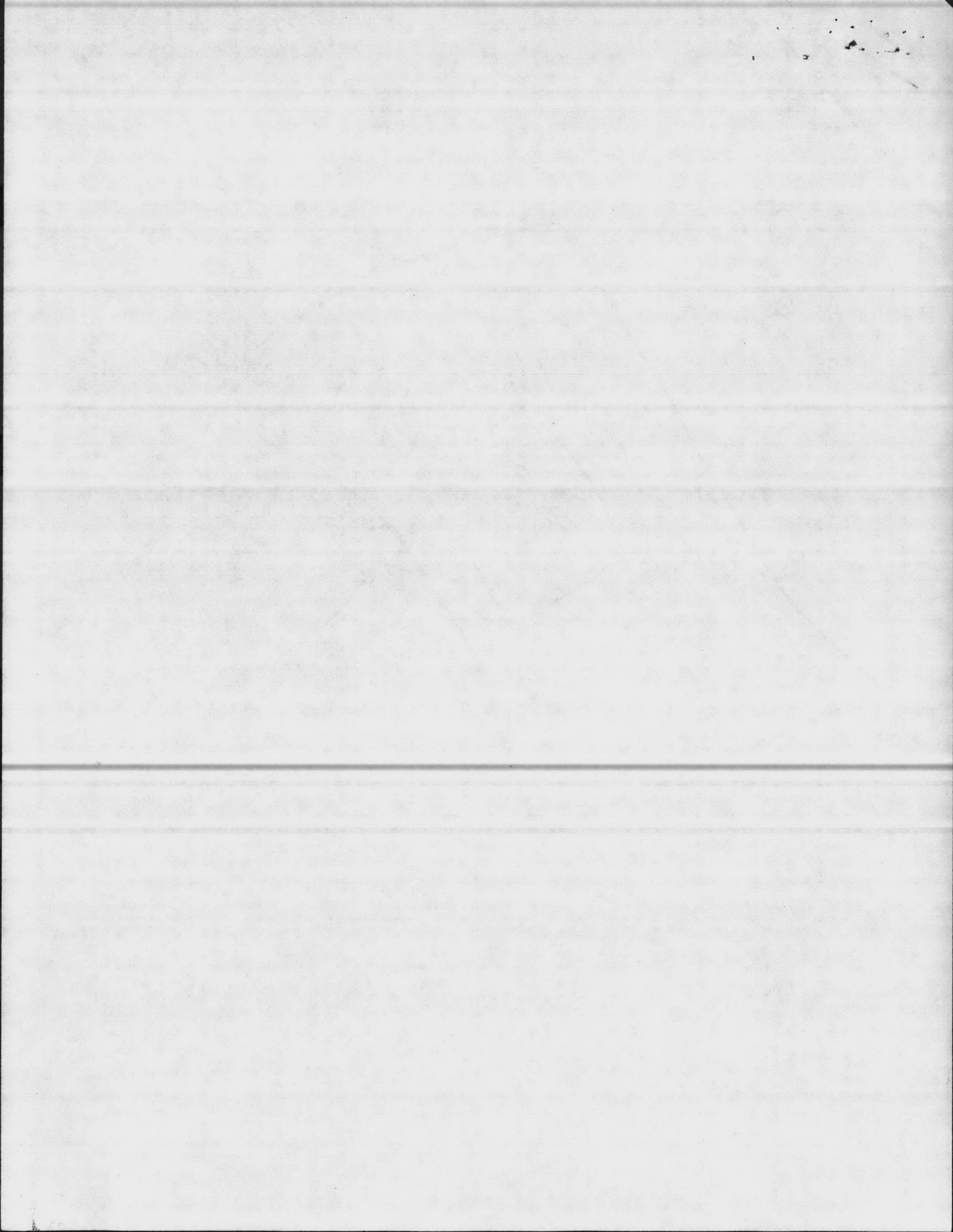
ENCLOSURE (1)











OAK 62510

UNITED STATES MARINE CORPS  
Marine Aircraft Group 26  
2d Marine Aircraft Wing, FMF, Atlantic  
Marine Corps Air Station, (Helicopter)  
New River, Jacksonville, N. C. 28545

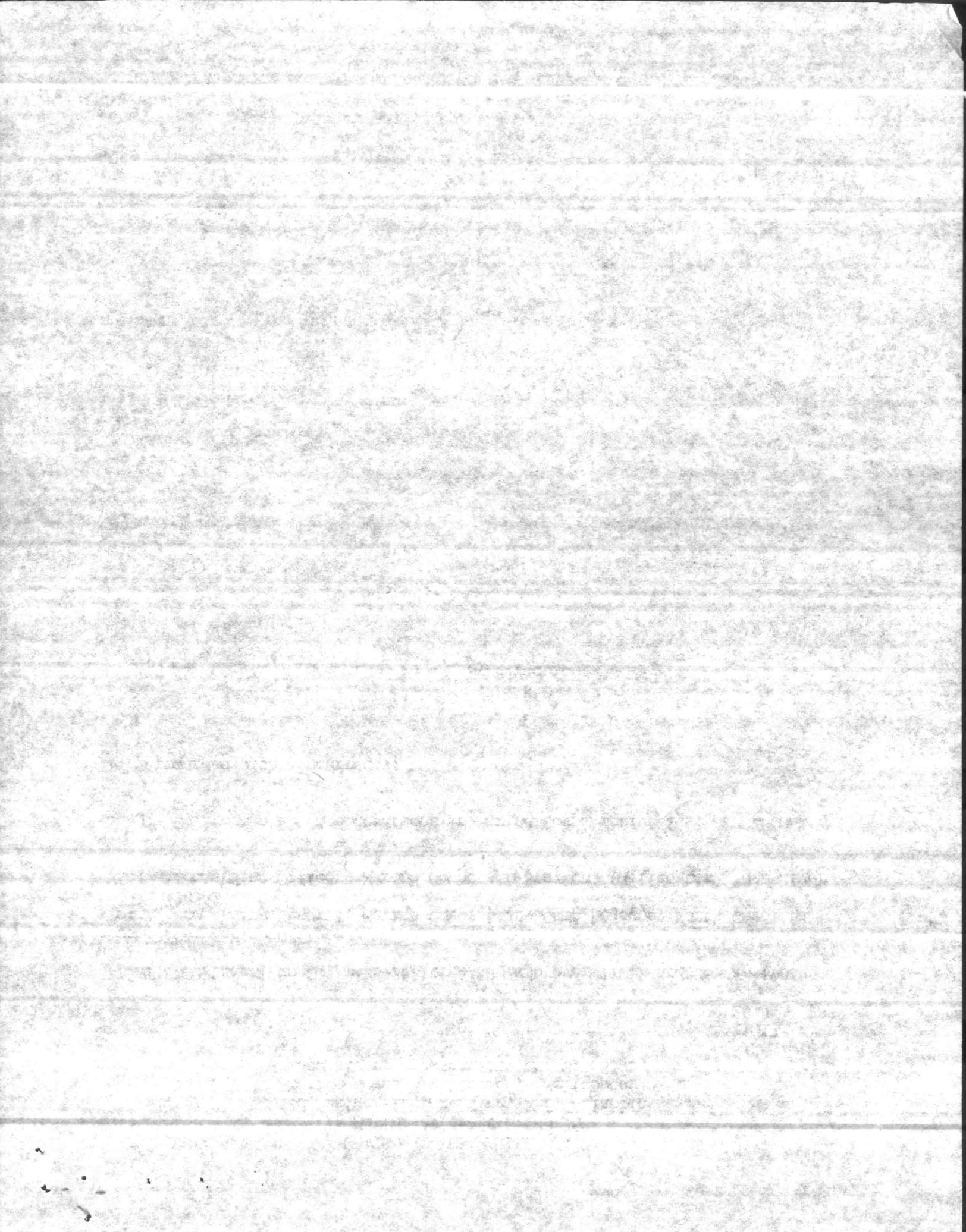
4/KMH/wic  
11017  
26 Jan 1983

FIRST ENDORSEMENT on CO, MABS-26 ltr 4/KJH/kjh over 11017 dtd 26 Jan 1983

From: Commanding Officer  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina  
28542  
Via: Commanding Officer, Marine Corps Air Station, (Helicopter), New River,  
Jacksonville, North Carolina 28545  
Subj: Environmental Considerations in Marine Corps Activities; MCHOLF Oak  
Grove

1. Forwarded with concurrence.

J. D. KEOWN  
By direction



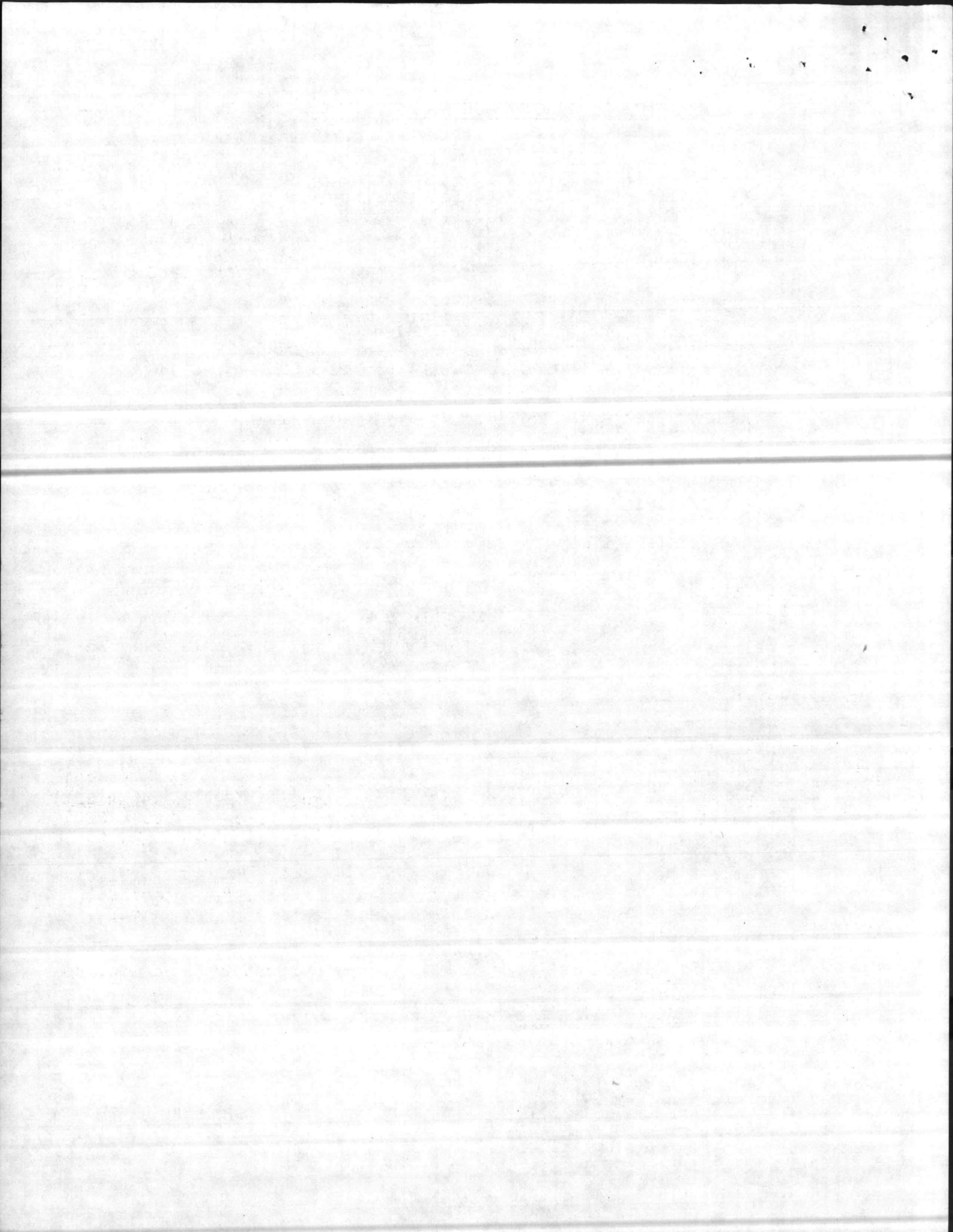
UNITED STATES MARINE CORPS  
Marine Air Base Squadron 26  
Marine Aircraft Group 26  
2d Marine Aircraft Wing, FMF, Atlantic  
Marine Corps Air Station (Helicopter)  
New River, Jacksonville, N.C. 28545

4/KJH/kjh  
11017  
26 Jan 1983

From: Commanding Officer  
To: Commanding General, MCB Camp LeJeune  
Via: (1) Commanding Officer; Marine Aircraft Group 26  
(2) Commanding Officer; MCAS(H) New River (Attn: S-4)  
  
Subj: Environmental Considerations in Marine Corps Activities;  
MCHOLF Oak Grove  
  
Ref: (a) BO 11000.1A  
  
Encl: (1) Preliminary Environmental Impact Assessment  
  
1. IAW Ref. (a), Encl (1) is submitted. The POC is Captain  
HALLISEY at 455-6531/6351.

  
S. D. HALEY  
Major USMC

Copy To: CG; 2nd MAW



PRELIMINARY ENVIRONMENTAL IMPACT ASSESSMENT

1. ACTION/PROJECT DESCRIPTION-

a. Project Description. Oak Grove is a remote outlying airfield, located approx. 25-30 miles to the North of MCAS(H) NR, near the town of Pollackville, NC. The objective of this request is to employ MCHOLF Oak Grove as the Base of Operations for Marine Aircraft Group 26 during AVELEX 2-83. This area will be occupied by a skeleton crew of engineers from MWSG-27 (Det A) beginning on Monday 28 March. The main body of participants, numbering between 400 to 500, will arrive on Monday 4 April and AVELEX 2-83 is scheduled to terminate on Friday 15 April. Due to training and other assignments, only one other alternate Field Site is available. MCHOLF Oak Grove was chosen over the alternate, Camp Davis, due to the following reasons:

- 1) 3 useable runways (for varying wind conditions)
- 2) Easy, direct access from state roads
- 3) Sufficient area to accommodate 500 personnel
- 4) Access to water (Trent River)
- 5) Access to semi-permanent fuel site (TAFDS)
- 6) Good location with relation to "Play of AVELEX"
- 7) Good foliage cover for camouflage purposes
- 8) Success regarding past usage

(1) MAG-26 would like to employ MCHOLF Oak Grove as a tactical Field Site, where they can set-up a Base of Operations during AVELEX 2-83.

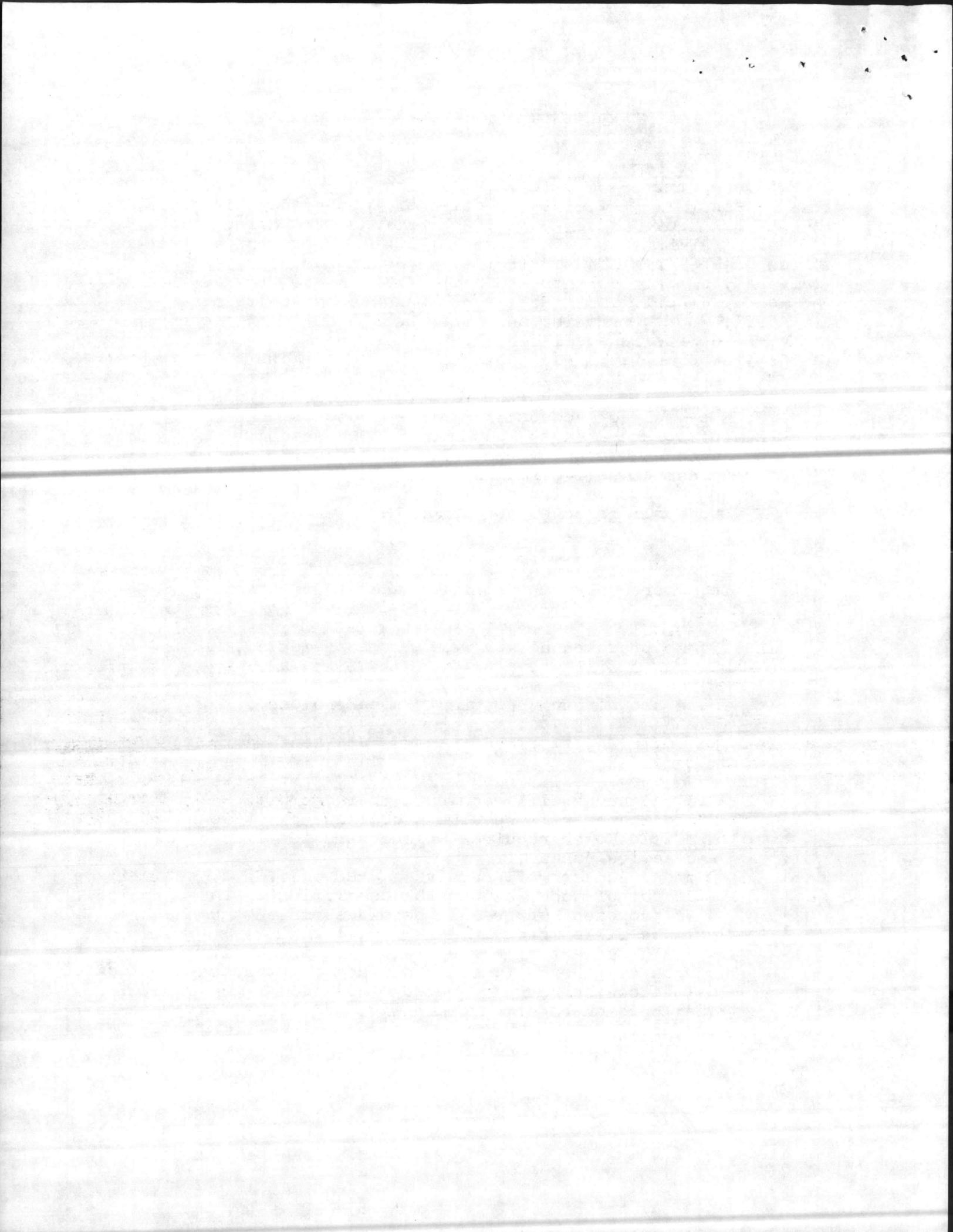
(2) If the proposed action were not implemented, MAG-26 would not be able to fulfill its mission in AVELEX 2-83.

(3) There are no permanent facilities proposed.

(4) The following site requirements are necessary:

- a) Food Service will require a soakage pit.(6ft x 12ft x 4ft)
- b) Field Laundry will require a drainage pit.(5ft x 5ft x 5ft)
- c) Field Shower will require a drainage pit.(3ft x 3ft x 3ft)
- d) Airfield Tower requires an unobstructed line-of-sight to the active runway.
- e) Command Bunker will require a 4780 cuft. pit. (It will be made out of wood, and at the completion of the exercise, this proposed bunker will be disassembled and the hole will be filled back in.)
- f) A "Bulk Fuel Storage Area" will require a pit with a surrounding berm. (This is already constructed and located at the southern end of runway 36.)
- g) The approach radar hardware will require a flat, stable surface.

ENCLOSURE (1)



(5) The major ongoing activities which may affect the environment will be aircraft and vehicle refueling. Additionally, a steady amount of helicopter traffic can be expected.

b. Consideration of Alternatives and Site Selection. MAG-26 was directed to employ MCHOLF Oak Grove during AVELEX 2-83. The discussion of alternatives is therefore unnecessary.

c. Compliance with Federal, State and Local Environmental Regulations and Guidelines.

(1) Endangered/Threatened Species Act- There are no known endangered or threatened species of Plant or Animal Life at Oak Grove. Personnel will be instructed not to bother any wildlife.

(2) Clean Water Act-

- A) Waste water will be generated by the following sources:
1. Laundry Unit. Approx. 400 gals. per day of water contaminated with detergents and matter washed from personal clothing.
  2. Portable Bath Unit. Approx. 500 gals. per day of shower water contaminated with soap and body dirt.
  3. Field Mess. Approx. 1000 gals. per day of hot water contaminated with detergent, "whiskadyne" (a sterilizing agent) and grease and food particles.
  4. Approx. 10 Fire Stations will be set-up around the Field Site to douse small fires. These will consist of a filled 50-gal. drum and a bucket.

These categories of waste water will be discharged into properly constructed seepage pits.

B) Human waste, except that incidental to the above, will be disposed of into 25 port-a-johns which will be serviced every other day by a commercial firm.

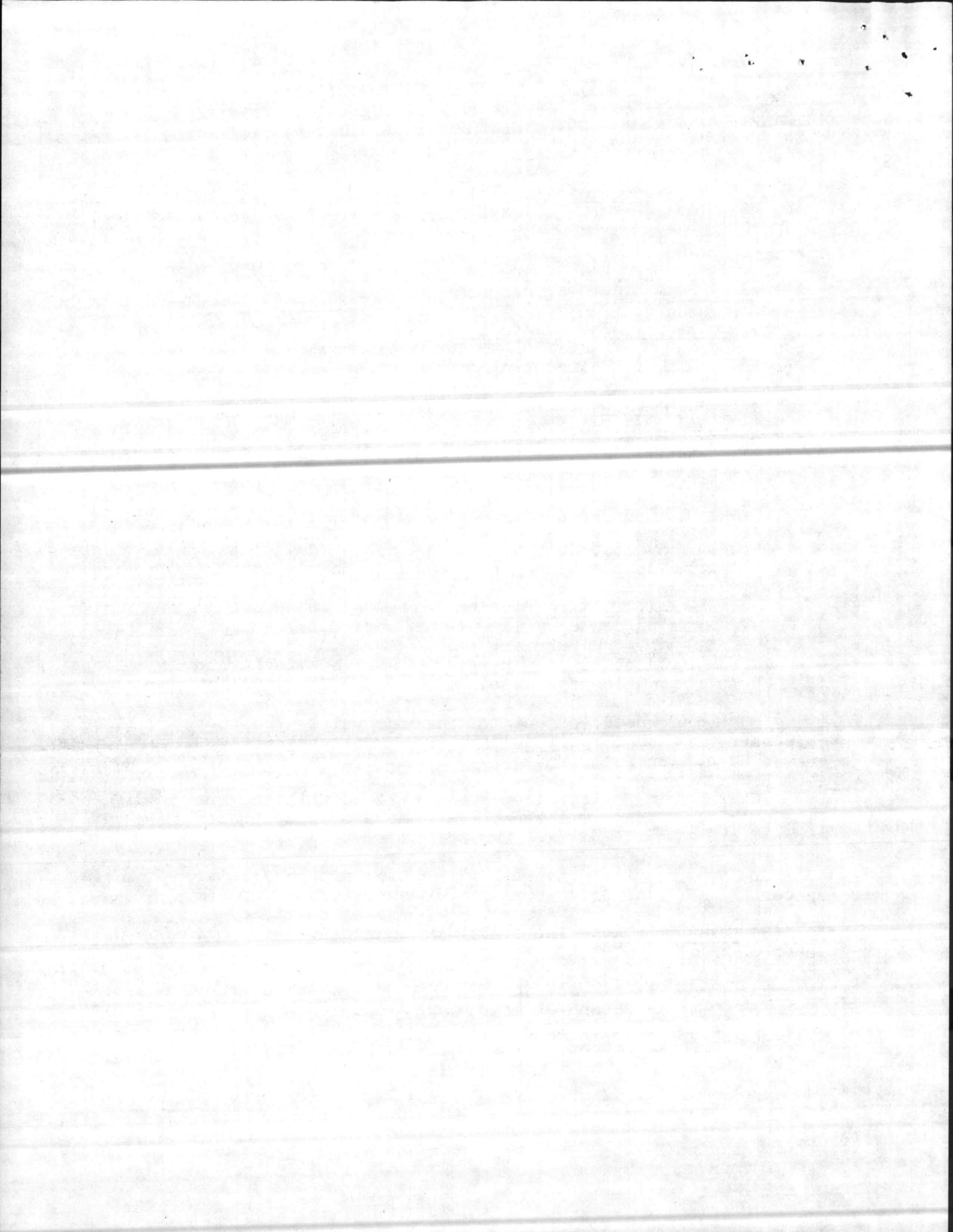
C) A water-purification plant will be utilized where shown on the site map. There will be no discharge of waste water from this operation.

D) There will be no washing of Aircraft or Military Vehicles aboard MCHOLF Oak Grove during this exercise.

(3) Clean Air Act- The following sources of air pollution will be present:

- A) Five (5) 3KW and Three (3) 100KW portable generators.
- B) Between 15 and 25 Motor Vehicles.
- C) Approx. 12 to 20 Aircraft.
- D) Minimal amounts of dust.

ENCLOSURE (1)



(4) Coastal Zone Management Act- This facility is not regulated by this regulation. Air operations to and from any LZ's aboard MCB Camp LeJeune and associated flights from any LZ's to off-shore ships are not expected to affect the coastal areas overflown.

(5) Archaeological and Historic Preservation Act- No known sites have been identified. If any artifacts or potentially significant remains are discovered during this operation, it will be immediately reported to the S-4, MCAS(H) New River.

(6) North Carolina Erosion and Sedimentation Regulations- Areas of soil to be disturbed are limited to the bivouac area and the Command Bunker. Both sites will be restored to their original condition at the termination of this exercise.

(7) Hazardous Materials and Hazardous Waste Disposal: Spill Prevention, Containment and Clean-up- The following hazardous materials will be utilized during the exercise in a manner with potential for spillage or discharge to the environment:

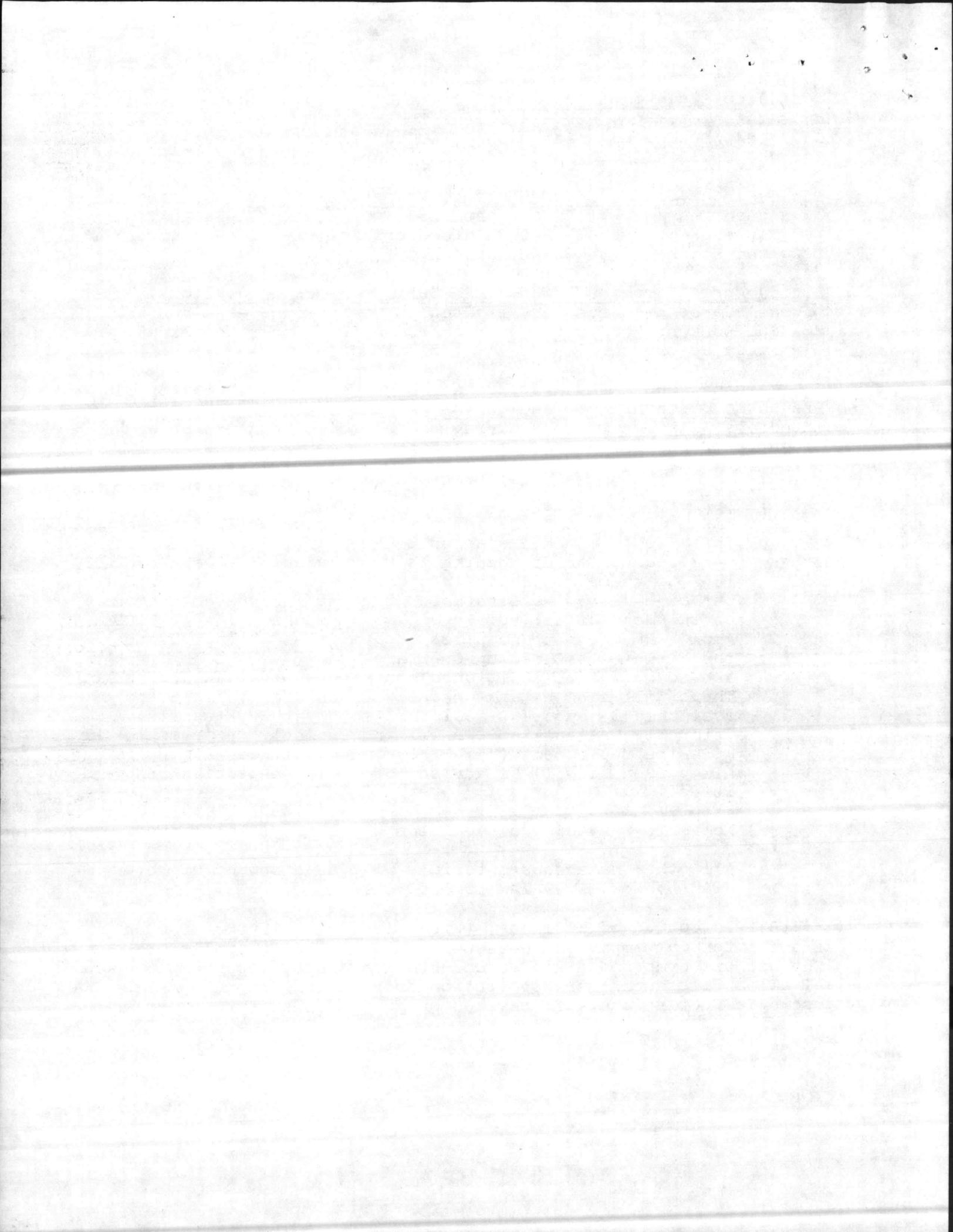
a) Fuel Oils- The storage for Approx. 40,000 gals. of JP-5; approx. 2000 gals. of Diesel Fuel; approx. 4500 gals. of MOGAS will be provided at the site shown on the site map. This fuel will be dispensed to aircraft, motor vehicles and 5-gal. cans for use during this exercise. Delivery of all fuel to their respective storage areas will be through the use of M-49 or M-970 refueler trucks. The prevention and containment of all spills will be conducted IAW BO 11090.1B. Among the clean-up supplies/capabilities at the disposal of the Field Site Clean-up Crew are four (4) M-52 dumptrucks and four (4) pre-positioned containers of clean, dry sand. There will also be an "on-call" Crash Crew Vehicle and two (2) available 3-man crews dedicated solely to POL spills. Additionally, all oil spills will be promptly reported to the MCB Fire Department (451-3333) in accordance with BO 11090.1B. All personnel will be advised of their respective responsibilities.

b) No Field Servicing of vehicles or aircraft is planned.

c) All other hazardous materials will be disposed of through MCAS(H) New River IAW BO 6240.5 .

(8) Protection of Wetlands; (Executive Order 11990)- The only known potential impact on wetlands would relate to spills of POLs. The use of berms and dikes around storage areas, the prompt reporting of all spills during transportation or refueling operations and the use of effective shut-off devices on pumps are expected to address this issue.

ENCLOSURE (1).



(9) Sanitary Waste and Refuse Disposal- The problem of Sanitary Waste Disposal was addressed in the text of C-2 (above). Solid waste and refuse will be disposed of in trash cans located around the Field Site, collected by IWWSG-27 (Det A) and disposed of at the Base Dump-sight, MCB Camp Lejeune.

(10) Other Applicable Regulations- There are no known regulations which should affect this Field Site, our requirements or aircraft operations, outside of those which we presently function under.

(11) Permit Requirements- Since this land is presently held by USMC, there are no additional permits required.

(12) Ordnance- There are no plans for live ammunition of any kind to be delivered, stored or discharged.

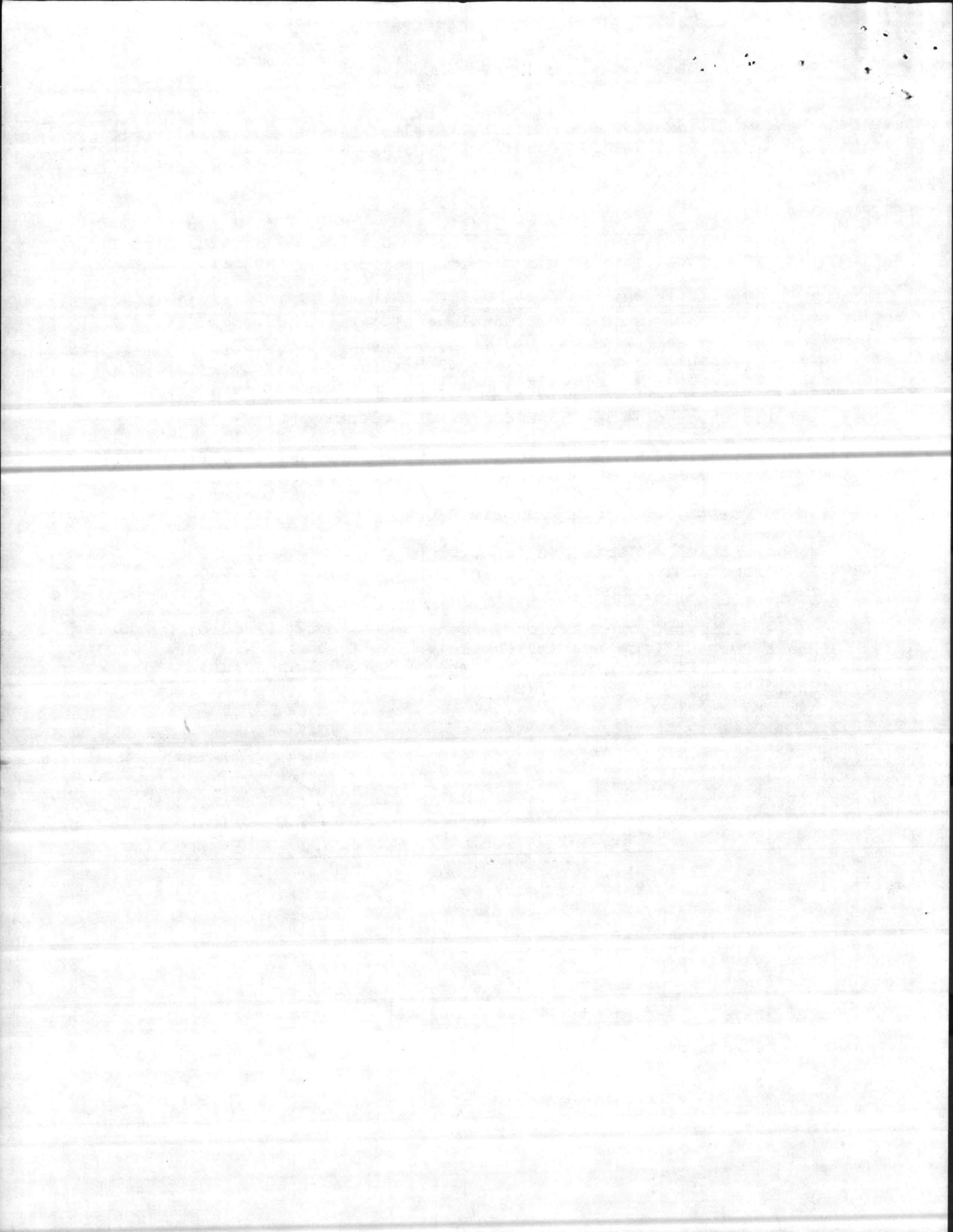
(13) Site Map- See Appendix A to Enclosure (1)

d) Impact of Proposed Action on Other Base Functions and Missions-

(1) It is not expected that this proposed action will affect any other MCAS(H) New River functions or missions. All involved Squadrons and Support Activities will operate at both MCAS(H) NR and MCHOLF Oak Grove with no expected degradation of performance. All NON-involved Squadrons and Support Activities will continue operations with no change in performance.

(2) This proposed action is consistent with all existing Master Plans for the Camp LeJeune Complex. This operation is to be considered a Tactical Field Operation for the purpose of an Aviation Elements Exercise.

ENCLOSURE (1).



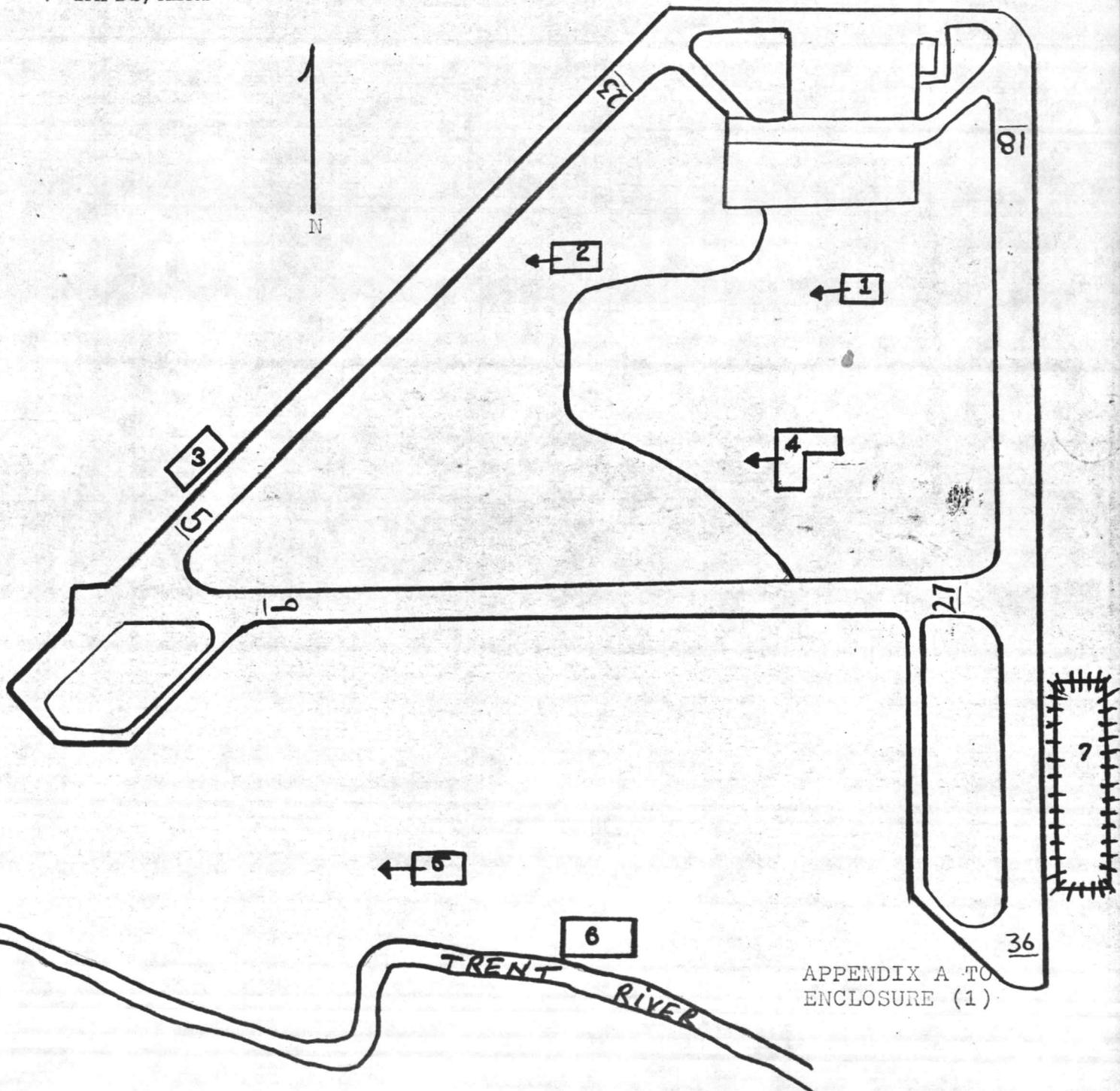
Site Map of MCHOLF Oak Grove

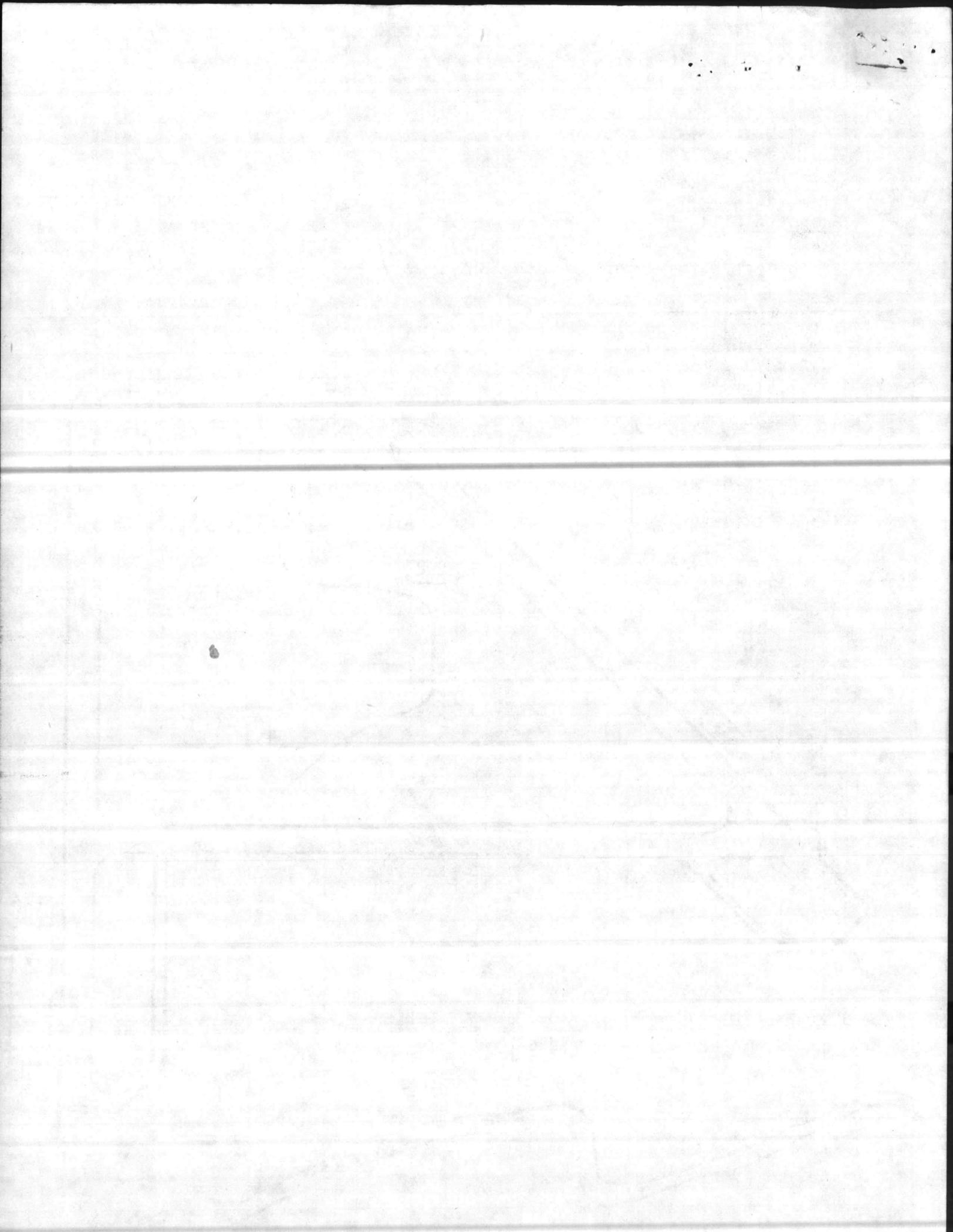
LEGEND

-  -existing bunker
-  -pits to be dug

Proposed sites

- 1-Food Service Pit
- 2-Shower Drainage Pit
- 3-Tower
- 4-Command Bunker
- 5-Laundry Pit
- 6-Water Pure. Site
- 7-TAFDS/HERS





CHIC P... ..



UNITED STATES MARINE CORPS  
MARINE AIR CONTROL GROUP 28  
2D MARINE AIRCRAFT WING, FLEET MARINE FORCE, ATLANTIC  
MARINE CORPS AIR STATION, CHERRY POINT, N.C. 28533

4:MWL:gac  
5420  
16 Feb 1983

FIRST ENDORSEMENT on CO, MASS-1 ltr 4:AEC:kts over 5420 dtd 11 Feb 1983

From: Commanding Officer

To: Commanding General, 2d Marine Aircraft Wing (SC-15)

Subj: Preliminary Environmental Assessment (PEA) for AVELEX 2-83/SOLID SHIELD 83

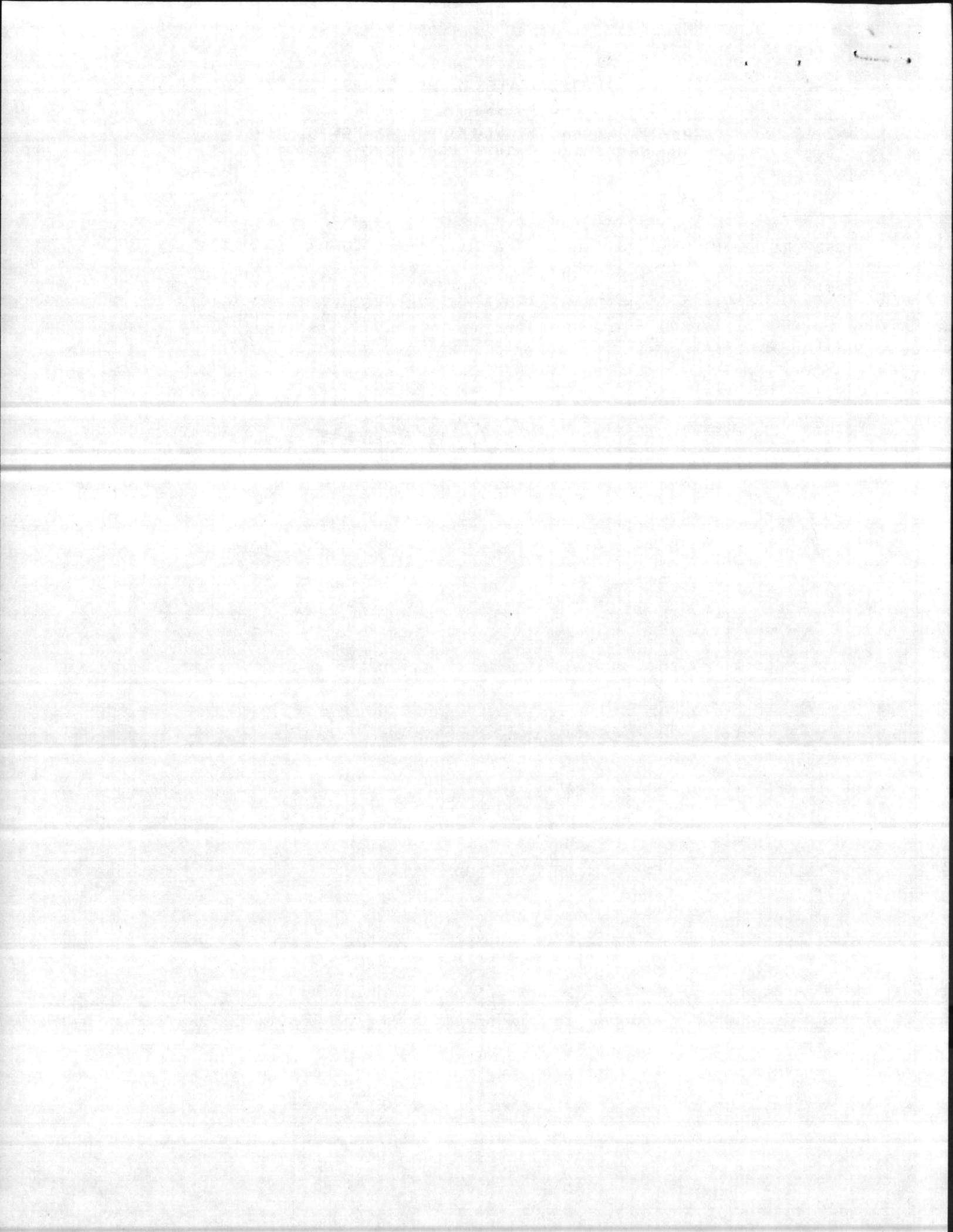
1. Forwarded.

*N. P. Bourre*

N. P. BOURRE

By direction

Copy to:  
CO, MASS-1



UNITED STATES MARINE CORPS  
Marine Air Support Squadron-1  
Marine Air Control Group-28  
2d Marine Aircraft Wing, Fleet Marine Force, Atlantic  
Marine Corps Air Station, Cherry Point, N. C. 28533

4:AEC:kts  
5420  
11 Feb 1983

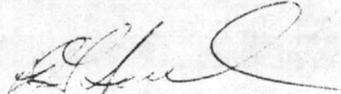
From: Commanding Officer  
To: Commanding General, 2d Marine Aircraft Wing (SC-15)  
Via: Commanding Officer, Marine Air Control Group-28 (S-4)

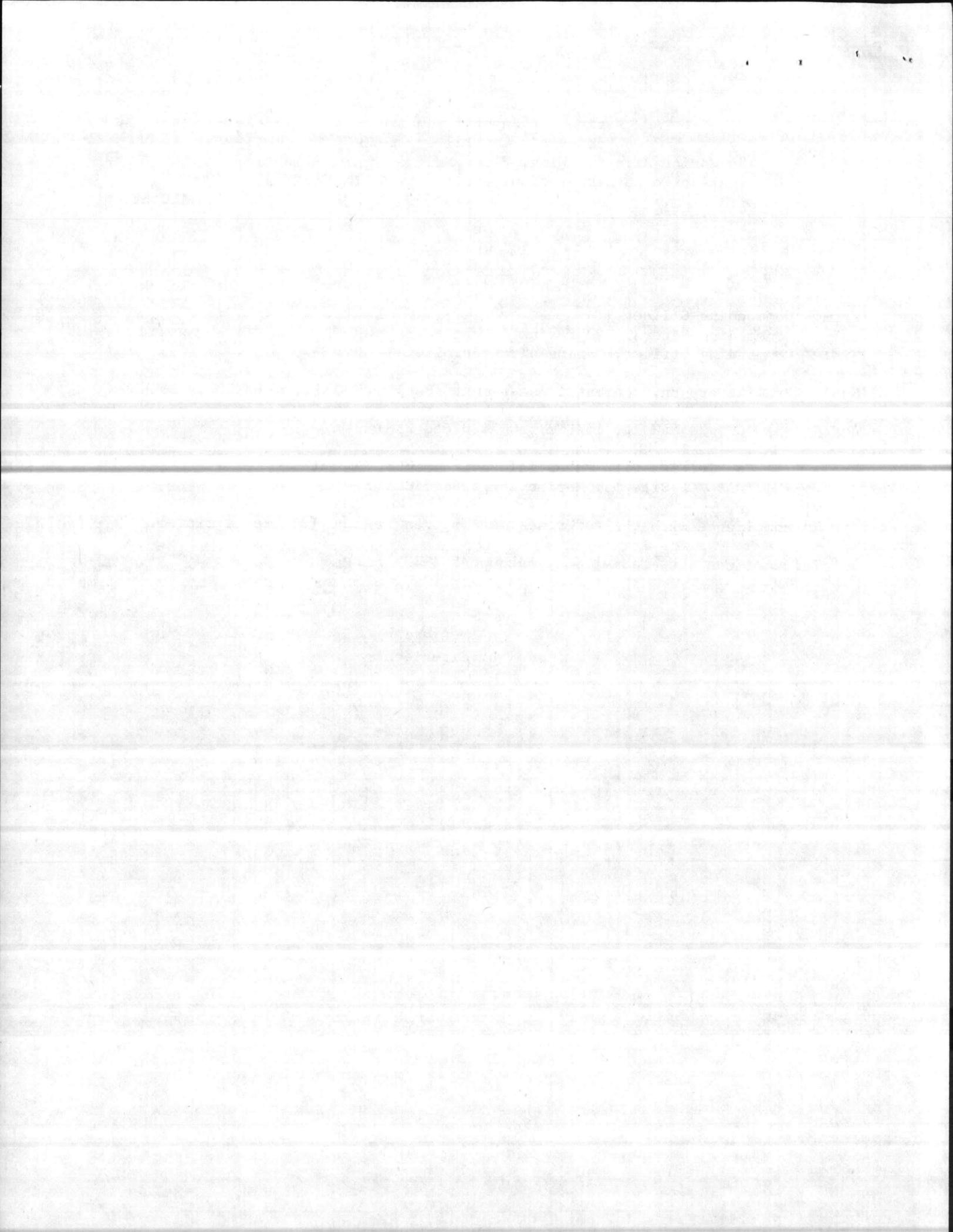
Subj: Preliminary Environmental Assessment (PEA) for AVELEX 2-83/SOLID SHIELD 83

Ref: (a) CG, 2d MAW ltr 15/BTM/bew 5420 dtd 25 Jan 1983

Encl: (1) Activities with Potential Environmental Impact  
(2) DASC/CP Site Map Marine Corps Base CLNC

1. In compliance with the reference, enclosures (1) and (2) are submitted.
2. Point of contact, MASS-1 S-4, Autovon 582-3351/3546.

  
D. T. ISRAEL  
By direction



ACTIVITIES WITH POTENTIAL ENVIRONMENTAL IMPACT

1. Marine Air Support Squadron-1 is planning to deploy the Direct Air Support Center (DASC) and A Command Post (CP) to Marine Corps Base, Camp Lejeune, North Carolina in support of AVELEX 2-83/SOLID SHIELD 83. The deployment is scheduled from 23 March through 15 May 1983 and will involve approximately 160 personnel.

2. Proposed Action:

a. Fuel Dispensing System: Fuel will be dispensed to generators using 55 gal drums. Refueling of drums will be accomplished by M49 refueler. All other fuels will be dispensed by 5 gal fuel cans. All resupply of fuels will be accomplished using existing roads.

b. Water Point System: All potable water will be provided by use of (4) M149 water bulls. Water to be used for showering will be dispensed from 3000 gal water storage bladder. Water storage bladders will be refilled by M-50 water truck using existing roads.

c. Shower System: A field shower will be established to support approximately 160 personnel. It is estimated that approximately 100 personnel will use the shower daily. Runoff from showers may cause slight erosion and it may be necessary to construct a soakage pit to allow for proper drainage.

d. Solid Waste: All solid trash will be disposed of on a daily basis by hauling to the trash dump located at local Camp Lejeune dump site.

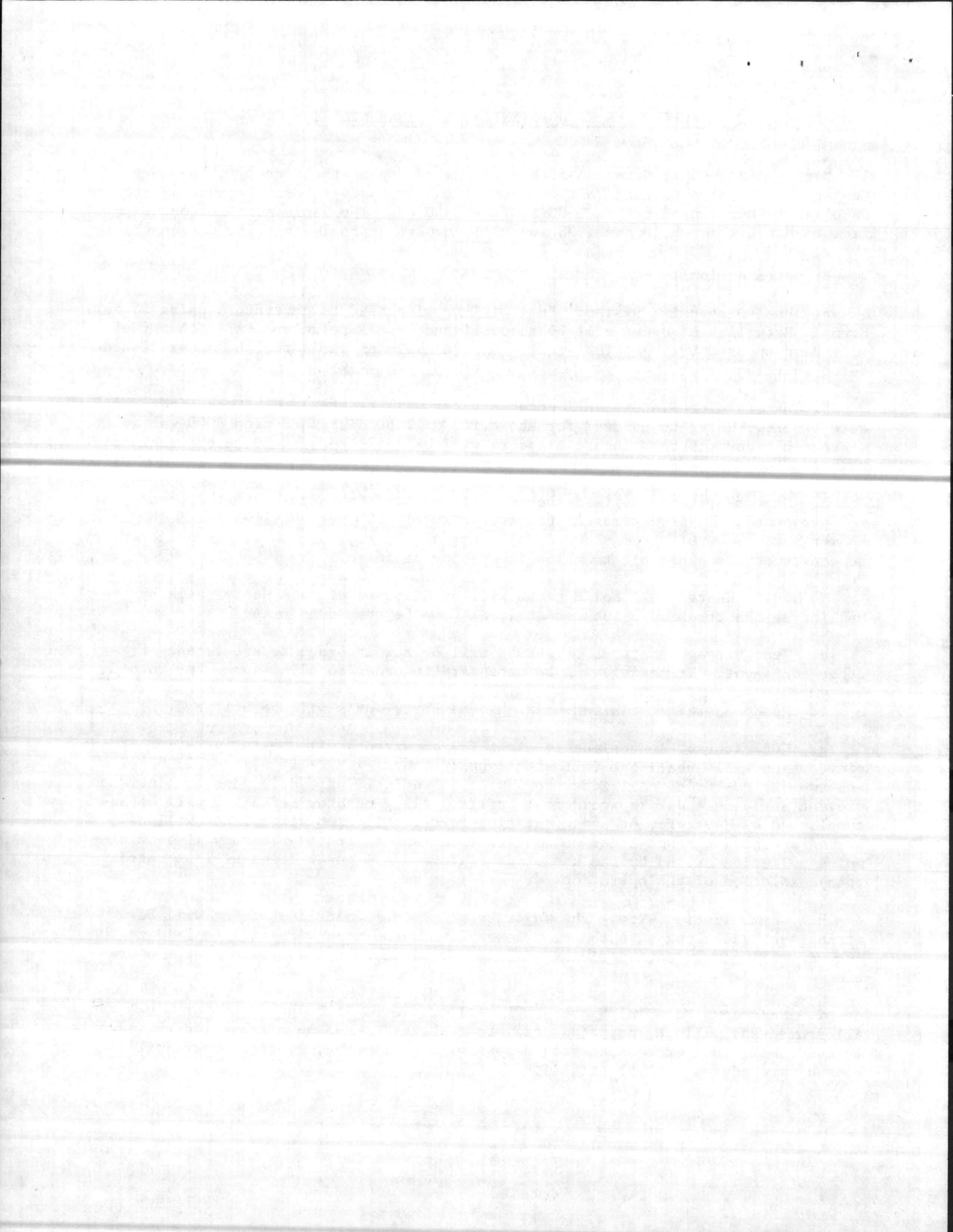
e. Tent Sites: No trees or shrubs will be cut in order to erect tents or other equipment. Trenching will be necessary in order to allow for water runoff.

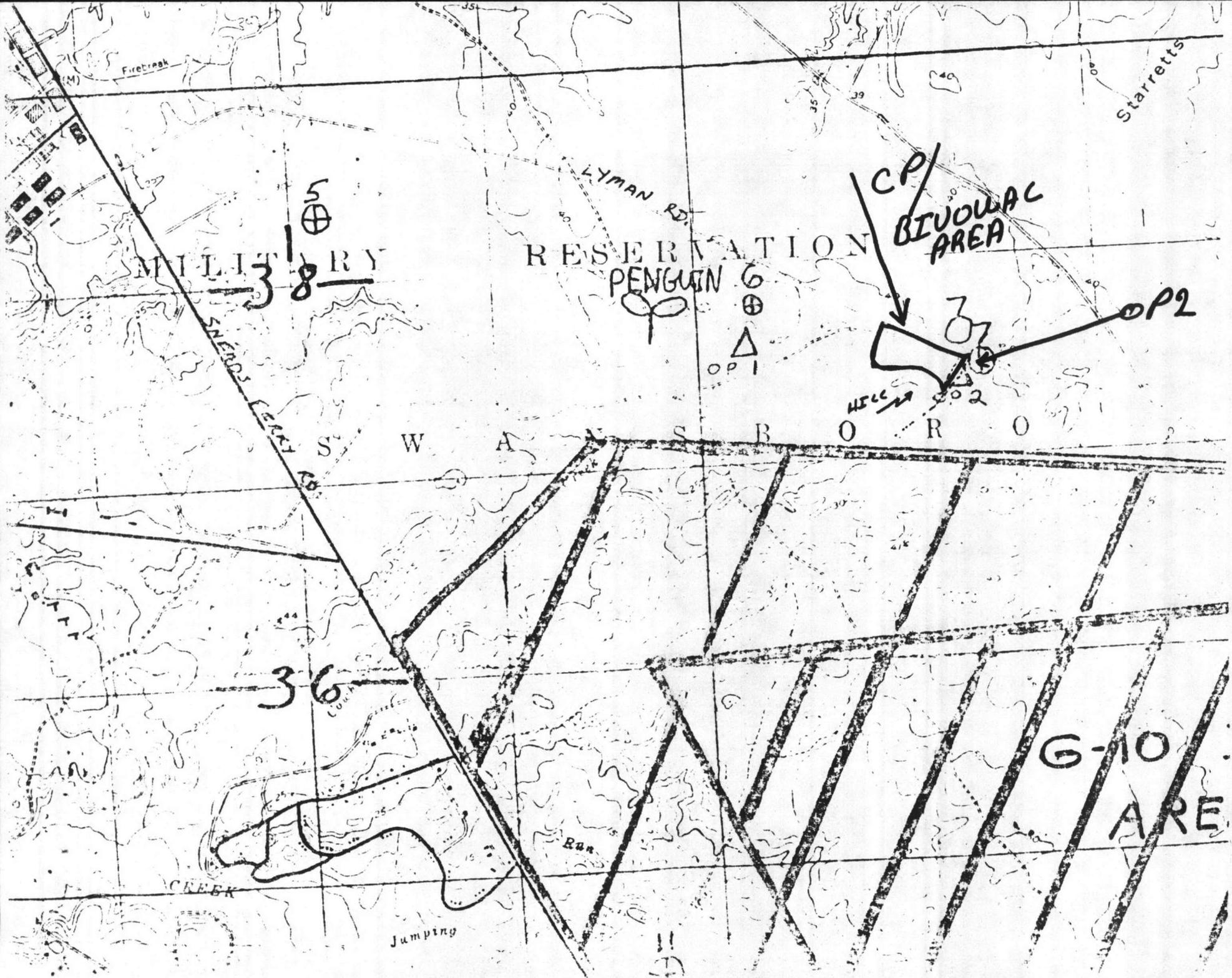
f. Human Waste: A minimum of eight (8) Porta-Jon's will be utilized.

g. Generators: Approximately eight (8) generators will be in operation at one time, which will entail the following types: four (4) MEP-115's, two (2) MEP-114's and two (2) PU-709's. All generators will be equipped with drip pans or liners to prevent any damage due to accidental spills. All generator refueling will be accomplished by M49 refueler using existing roads. All camp power lines will be strung overhead through trees using wire to attach to trees. There will be minimal noise pollution caused by the use of generators. All power lines will be retrieved upon completion of the operation.

h. Communication Wire: The majority of the communication wiring will be strung overhead along with the camp power lines, and some wire will be laid on the ground. All communication wiring will be retrieved upon completion of the operation.

i. Hazardous Material/Waste: POL will be stowed in 55 gal drums or 5 gal cans. All drums/cans will be inspected prior to embarkation and on a scheduled basis while in use. All drums or cans showing damage will be immediately replaced. Spill cleanup procedures will be established.





MILITARY

RESERVATION

PENGUIN

LYMAN RD.

Starretts

CP  
BIVOUAC  
AREA

OP2

OP1

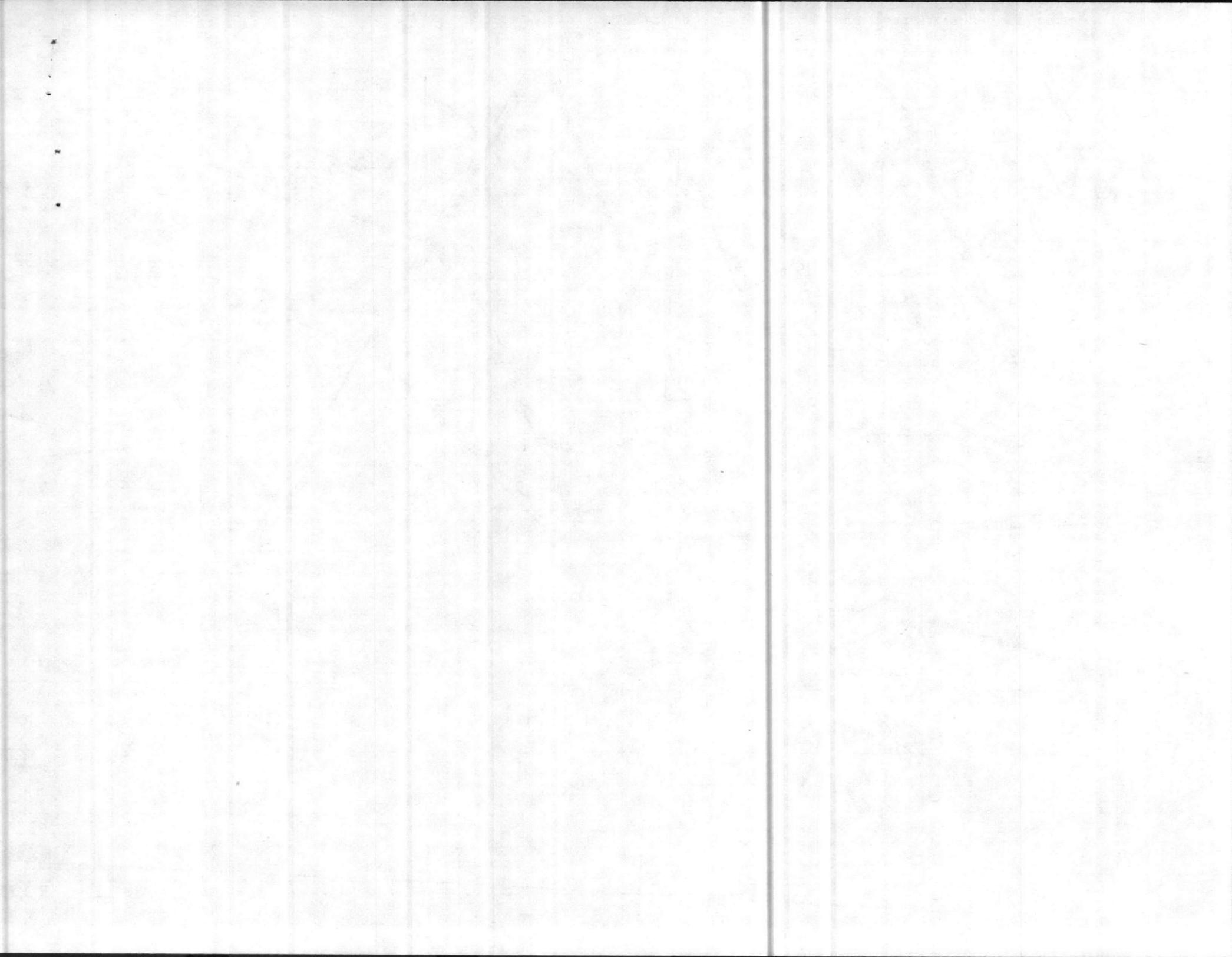
SWABORO

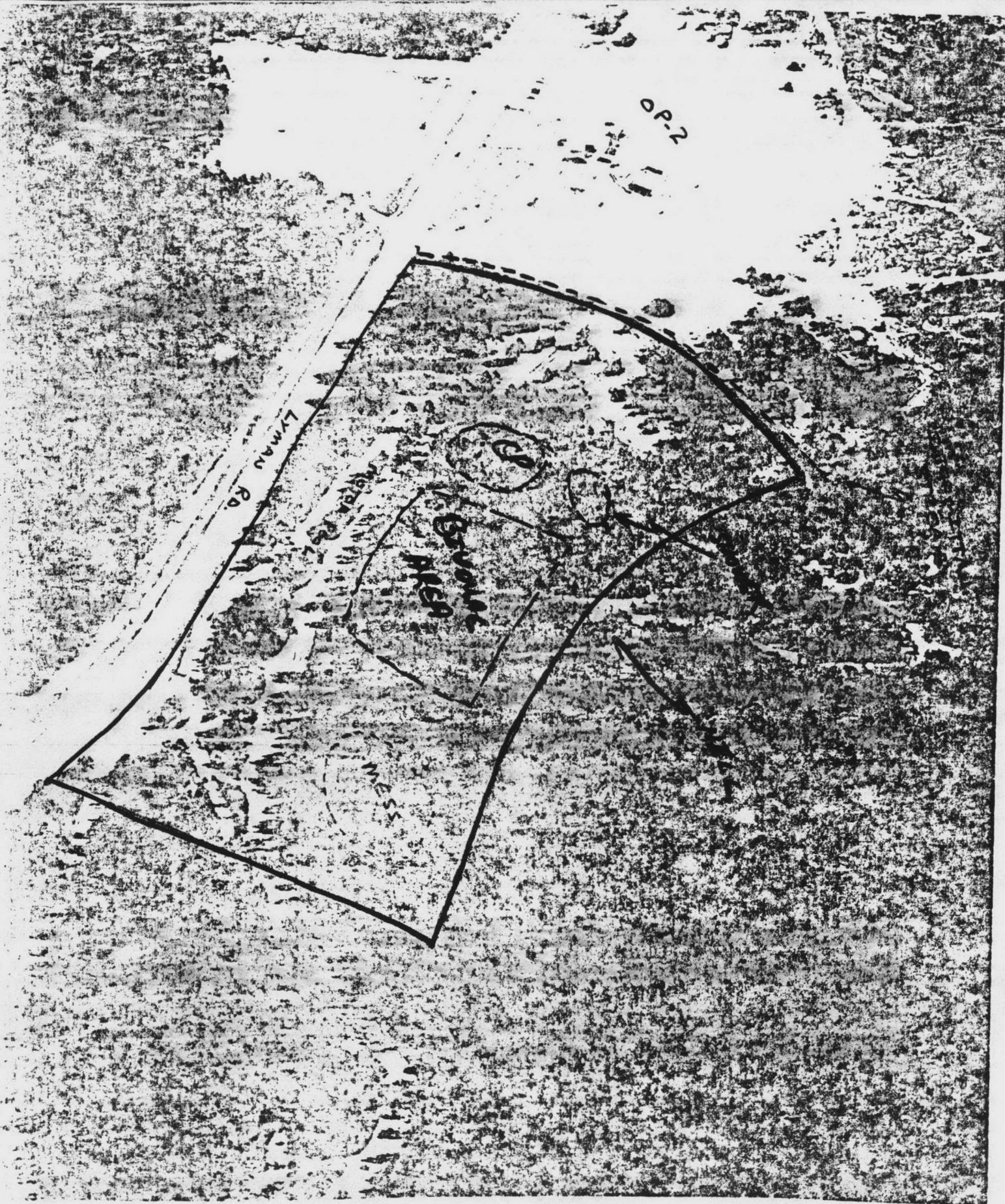
36

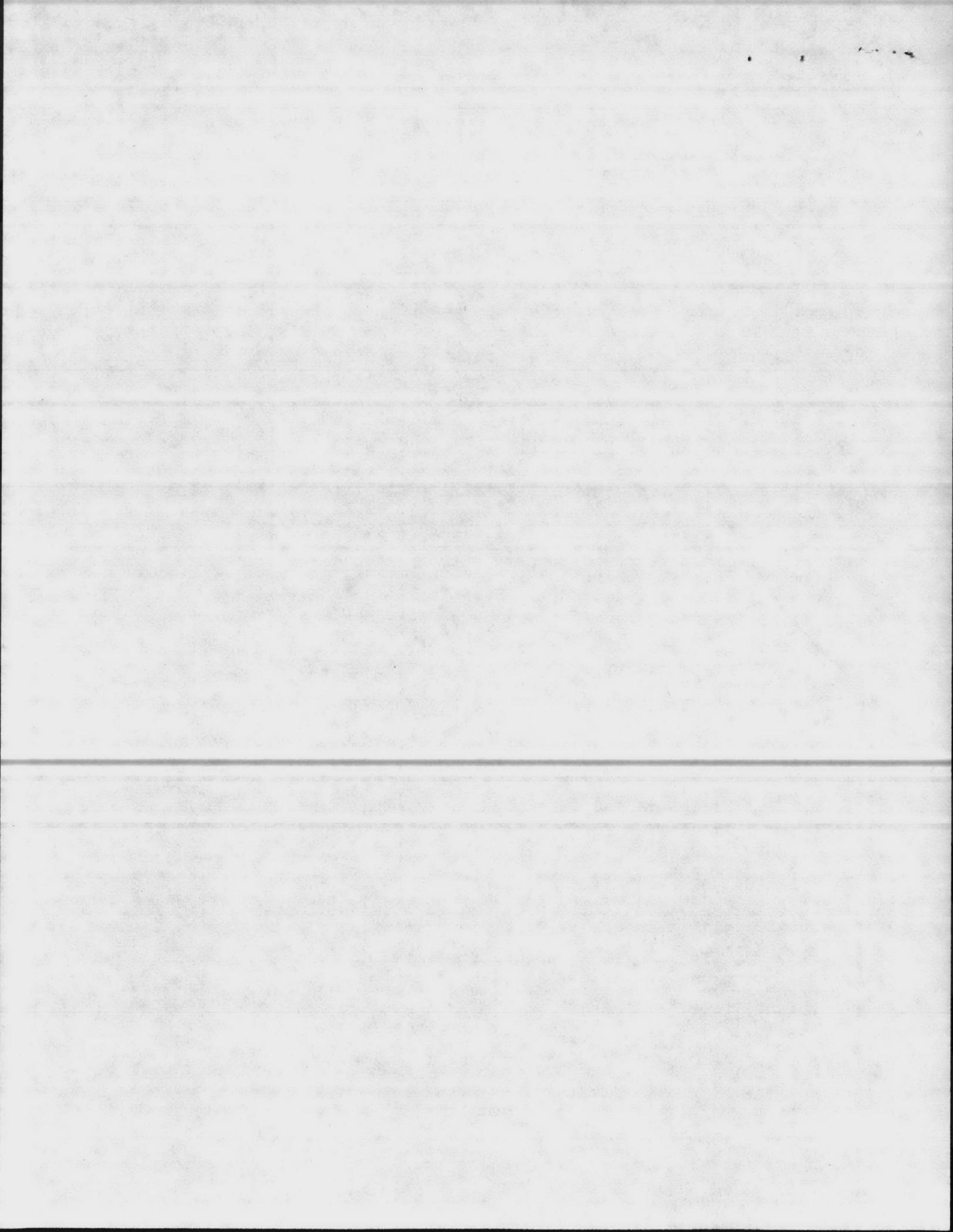
G-10  
AREA

CREEK

Jumping







MARINE AIRCRAFT GROUP 32 STOP 19  
2d MARINE AIRCRAFT WING, FMF, ATLANTIC  
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA 28544

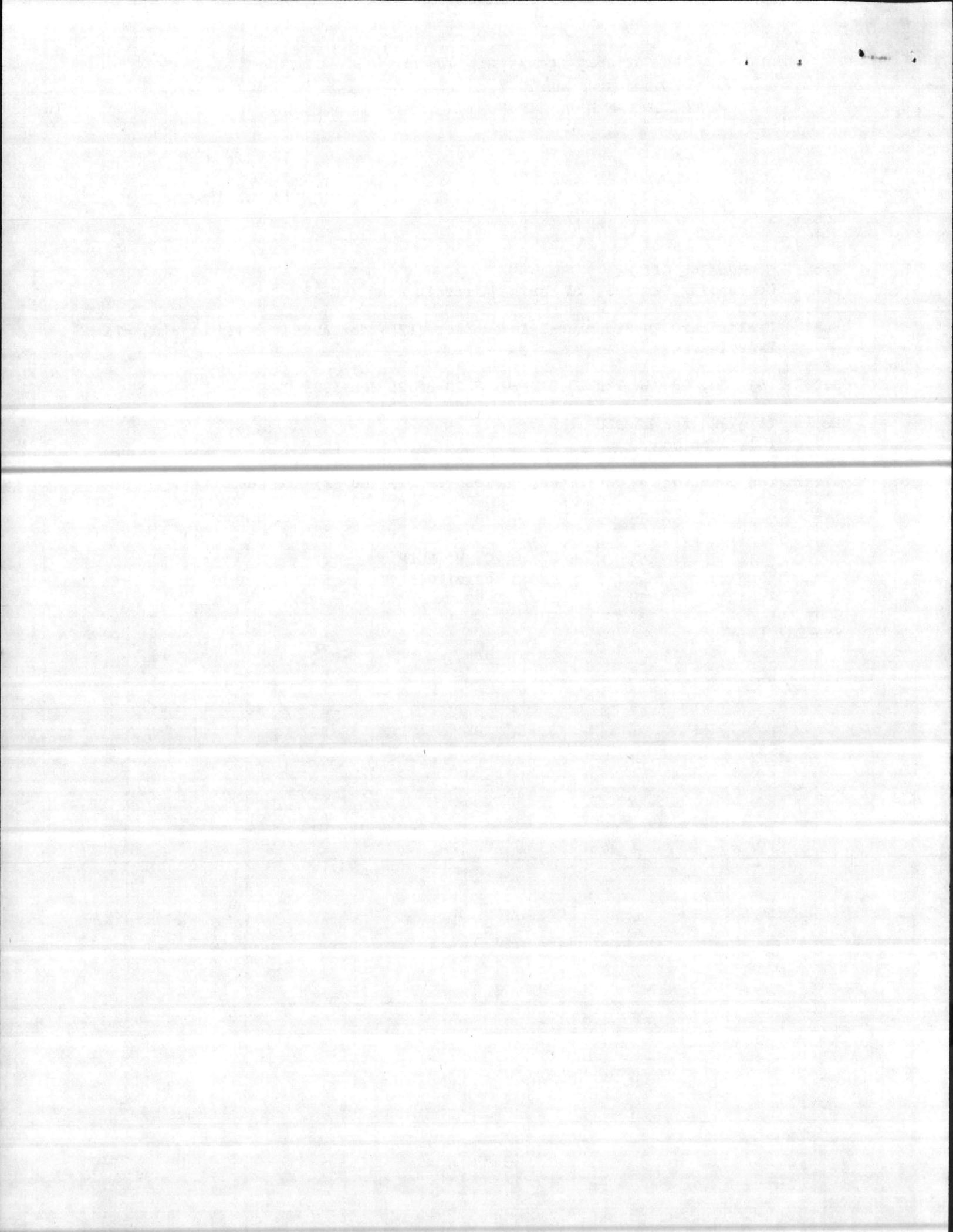
4/CWR/rsv  
5420  
18 Feb 1983

**From:** Commanding Officer  
**To:** Commanding General, 2d Marine Aircraft Wing (SC-15)  
**Subj:** Preliminary Environmental Assessment (PEA) for AVELEX 2-83/Solid Shield Exercises  
**Ref:** (a) CG, 2d MAW ltr 15.BTM/gew 5420 of 25 Jan 1983  
**Encl:** (1) PEA for LZ BLUEBIRD  
(2) Area Map

1. In response to the reference, enclosures (1) and (2) are submitted.

C. W. REIF  
By direction

Copy to:  
VMA-231 (8-4)



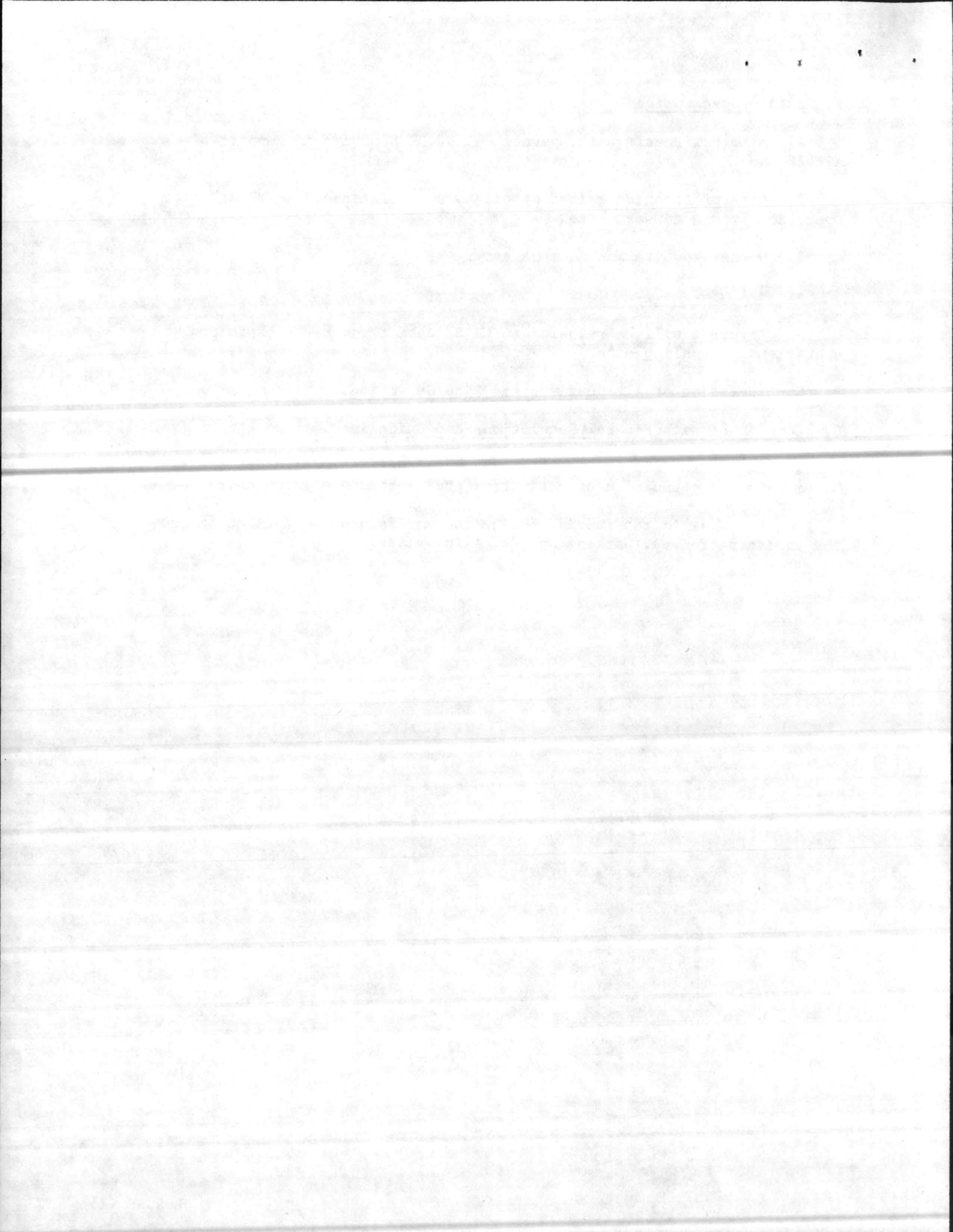
**A. Action Description**

1. 4 to 6 Aircraft will operate out of LZ Bluebird in support of AVELEX 2083
2. Loss of training gained by pilots and maintenance personnel from operating from a forward site.
3. No new requirement is necessary.
4. N/A.
5. Aircraft will be refueled at LZ Bluebird through the existing, operational refueling site.

**B. Consideration of Alternatives and Site Selection.**

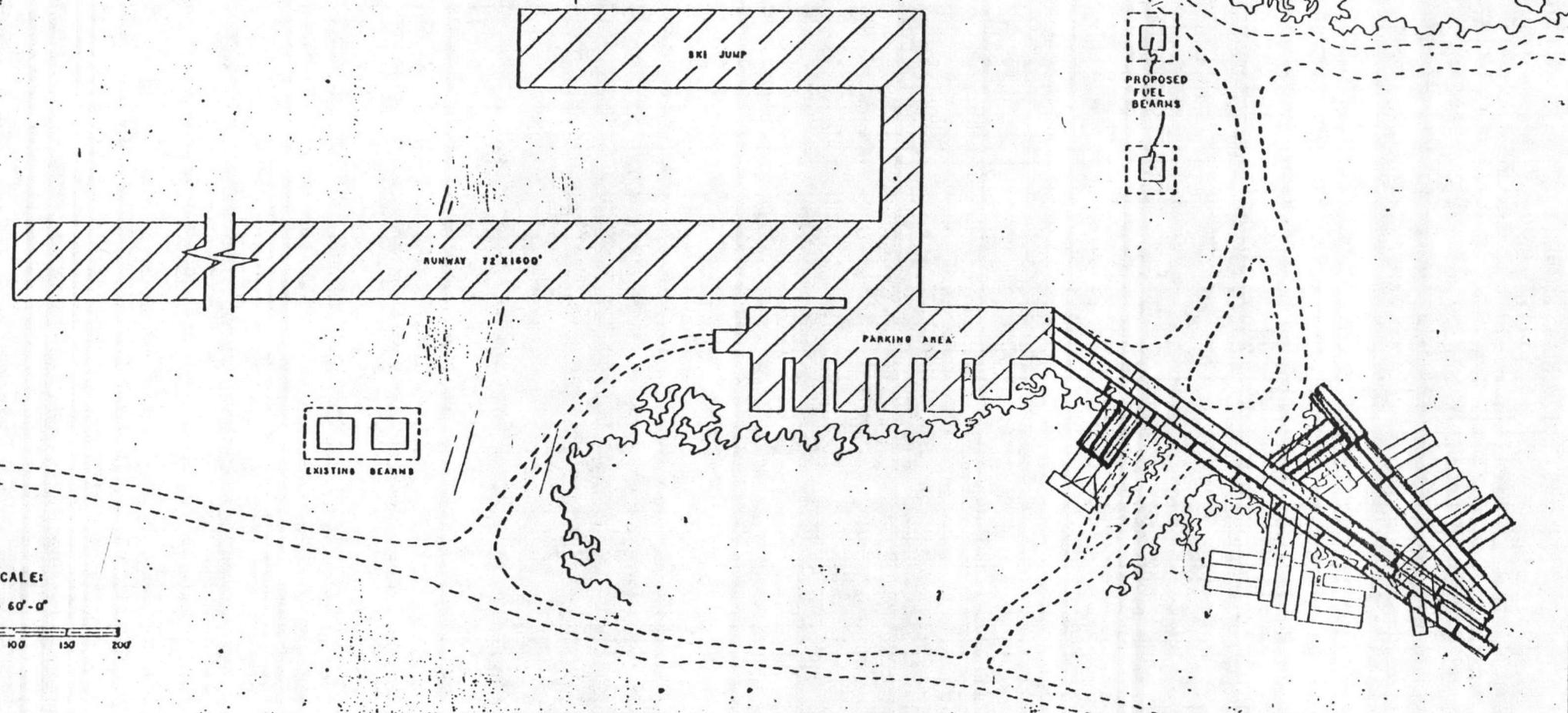
**C. Compliance with Federal Regulations and Guidelines.**

1. The operations that will be conducted at LZ Bluebird are not new; but merely a continuation of activities that continuously transpire there.
  - a. That is the landing, refueling and launching of Aircraft from the existing runway, parking and refueling sites.



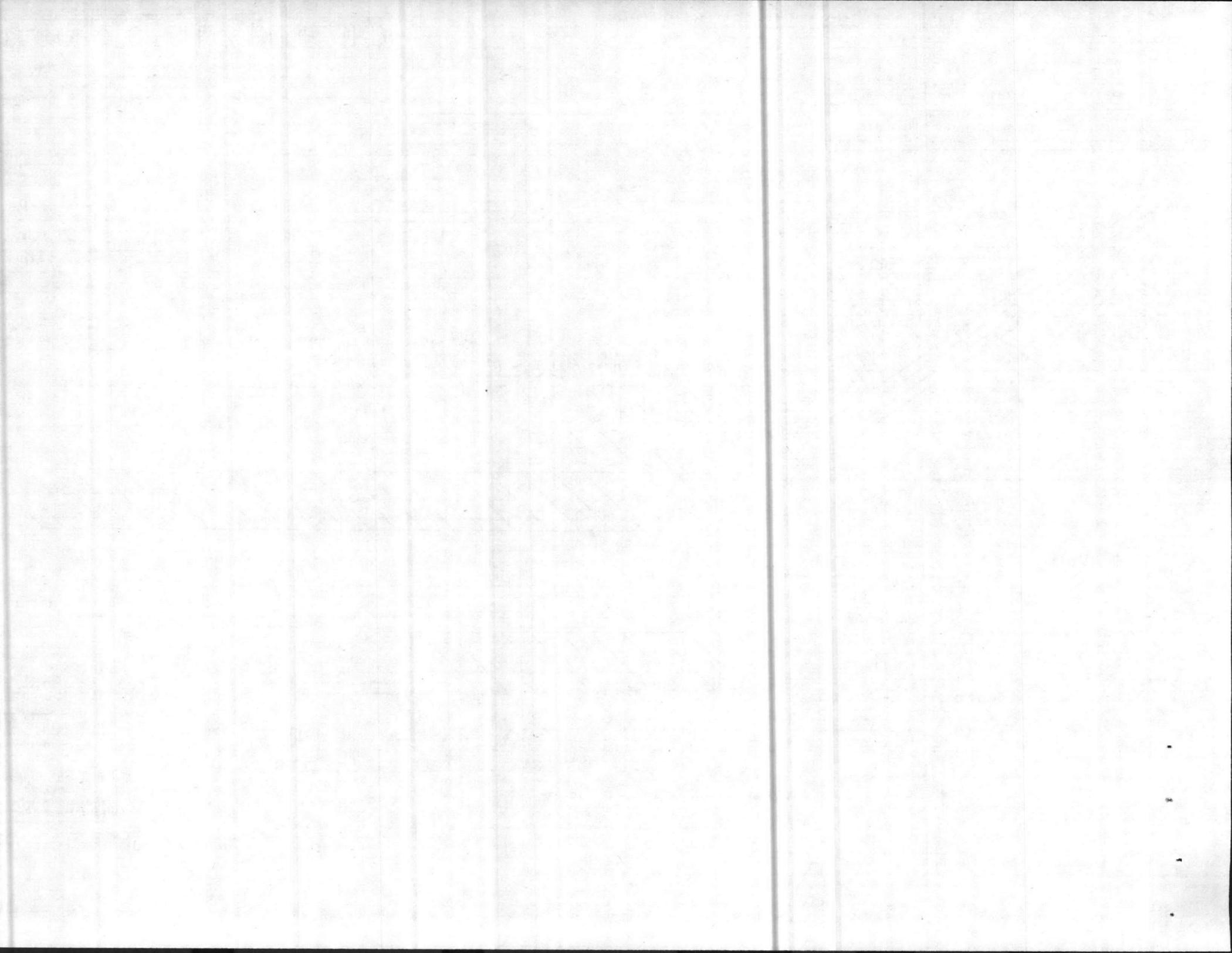
EXISTING 12'X40' MO MATTING  
 EXISTING AN-2 MATTING  
 PROPOSED AN-2 MATTING  
 RT ROAD  
 TREE LINE

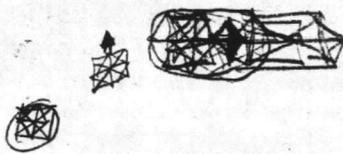
Doc 12  
 Runway is 23' 8", width is 22' 4" on d/side.  
 Long 50' mat down, stin wide circled road.  
 Rec by co @ 1100 today at 1200 by co 592.  
 Ins by 1100 concision. (Talked in consideration)



ALL TOPO OF TLZ BLUEBIRD

FILE NO. 078	SECOND MARINE AIRCRAFT WING MARINE WING SUPT GROUP - 27 WING ENGINEER SQUADRON - 27 MARINE CORPS AIRSTATION CHERRY POINT, NORTH CAROLINA
DES CIANCIO, B.M.	OVERALL TOPO OF TLZ BLUEBIRD
DR CIANCIO, B.M.	
CHK <i>[Signature]</i>	
SUPV <i>[Signature]</i>	
INCH <i>[Signature]</i>	
APPROVED BY <i>[Signature]</i>	DATE 12/1/54





2 Mar 83

Mr. Alexander;

Do we need to submit a new P.E.A. or will an amendment be sufficient?

Do you foresee any complex problems that may hold up our operation. We would like to start on 14 March if possible.

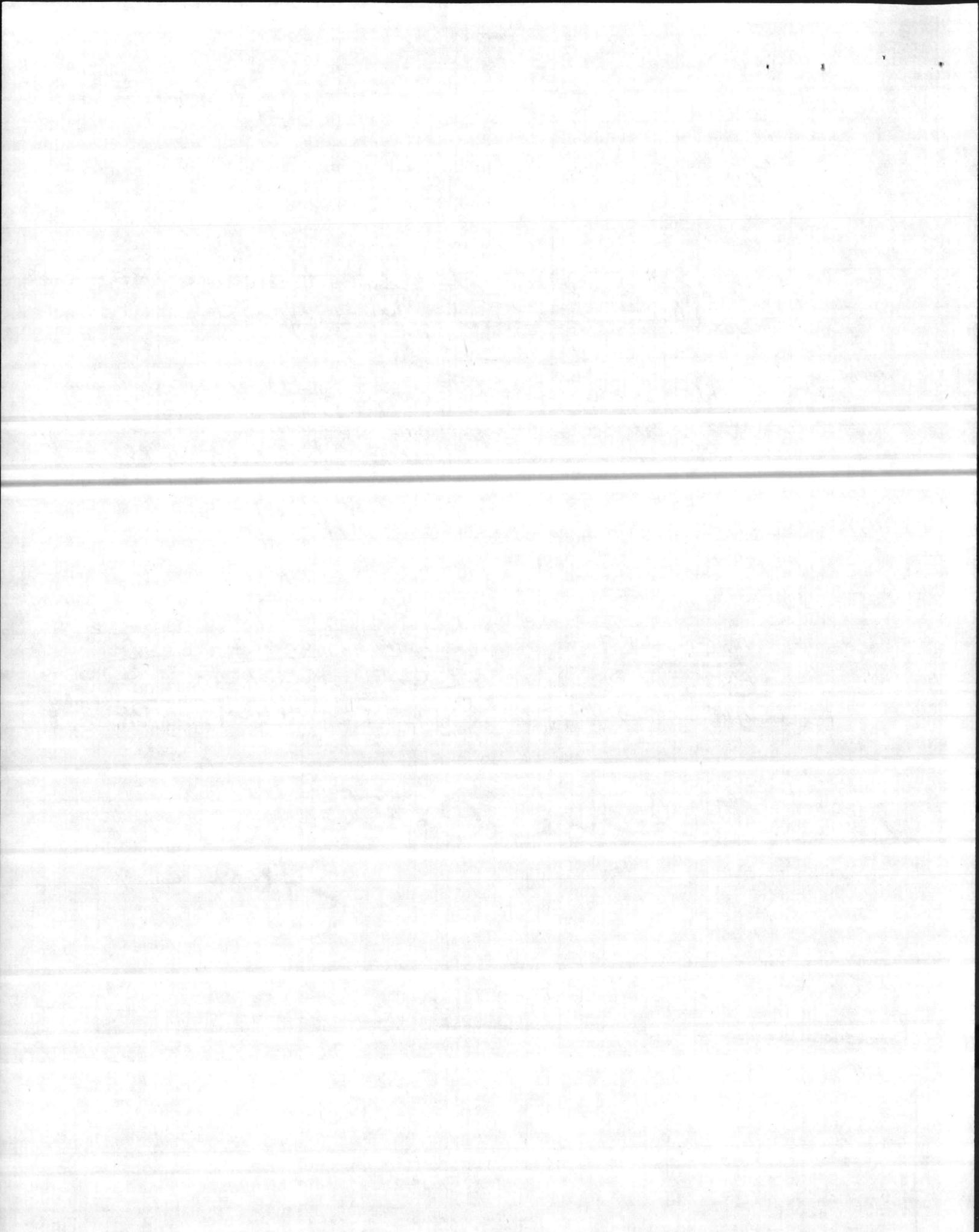
OK A,

AVN  
WES-27  
Cherry Point  
466-5942/3183

}	CAPT. TOKARZ	S-3
	CAPT. MCKENZIE	S-3
	MSGT VARNEY	Ops chf

Please Call!  
*[Signature]*

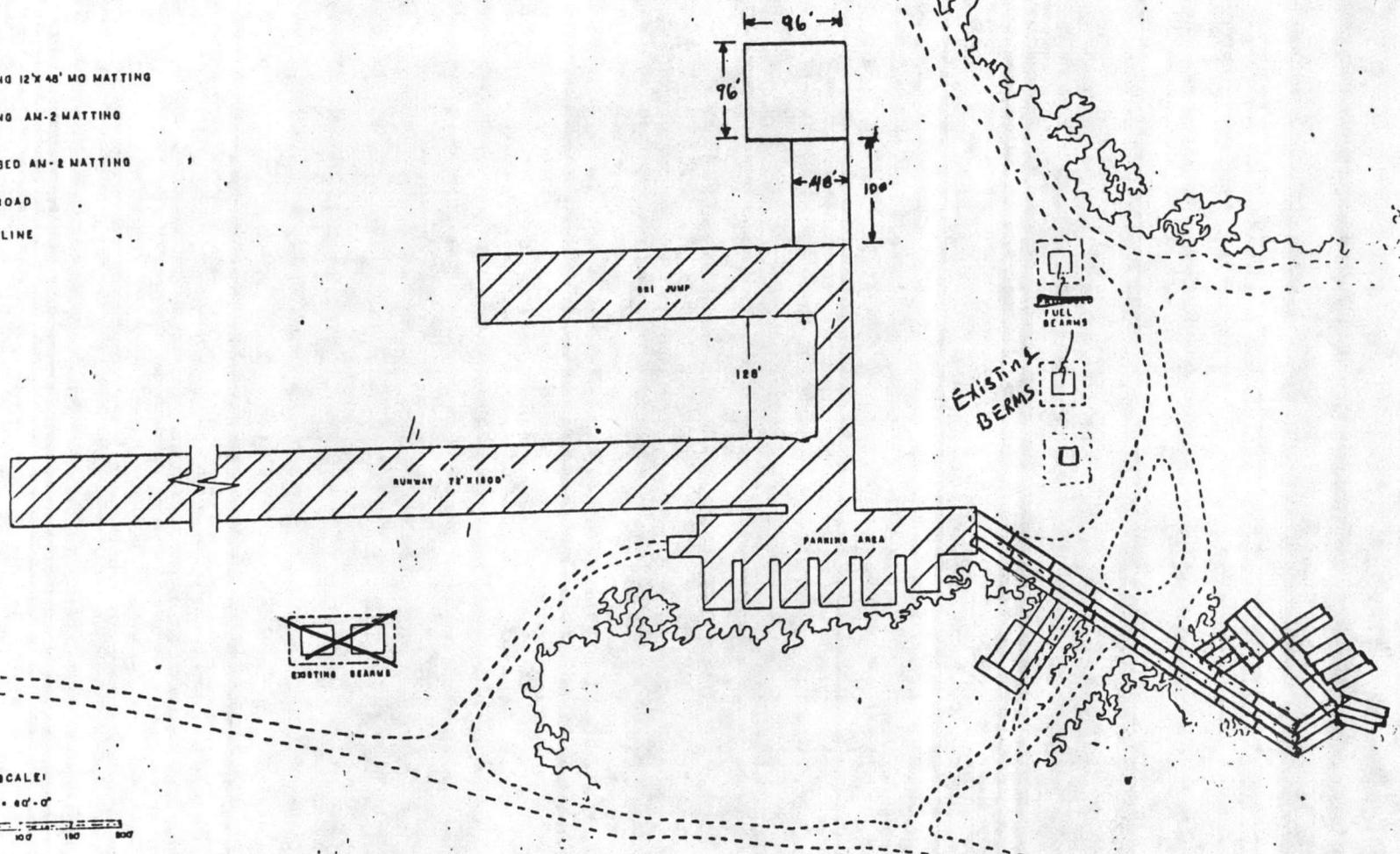
GET 25 FEB 14R



1750/10  
EXISTING

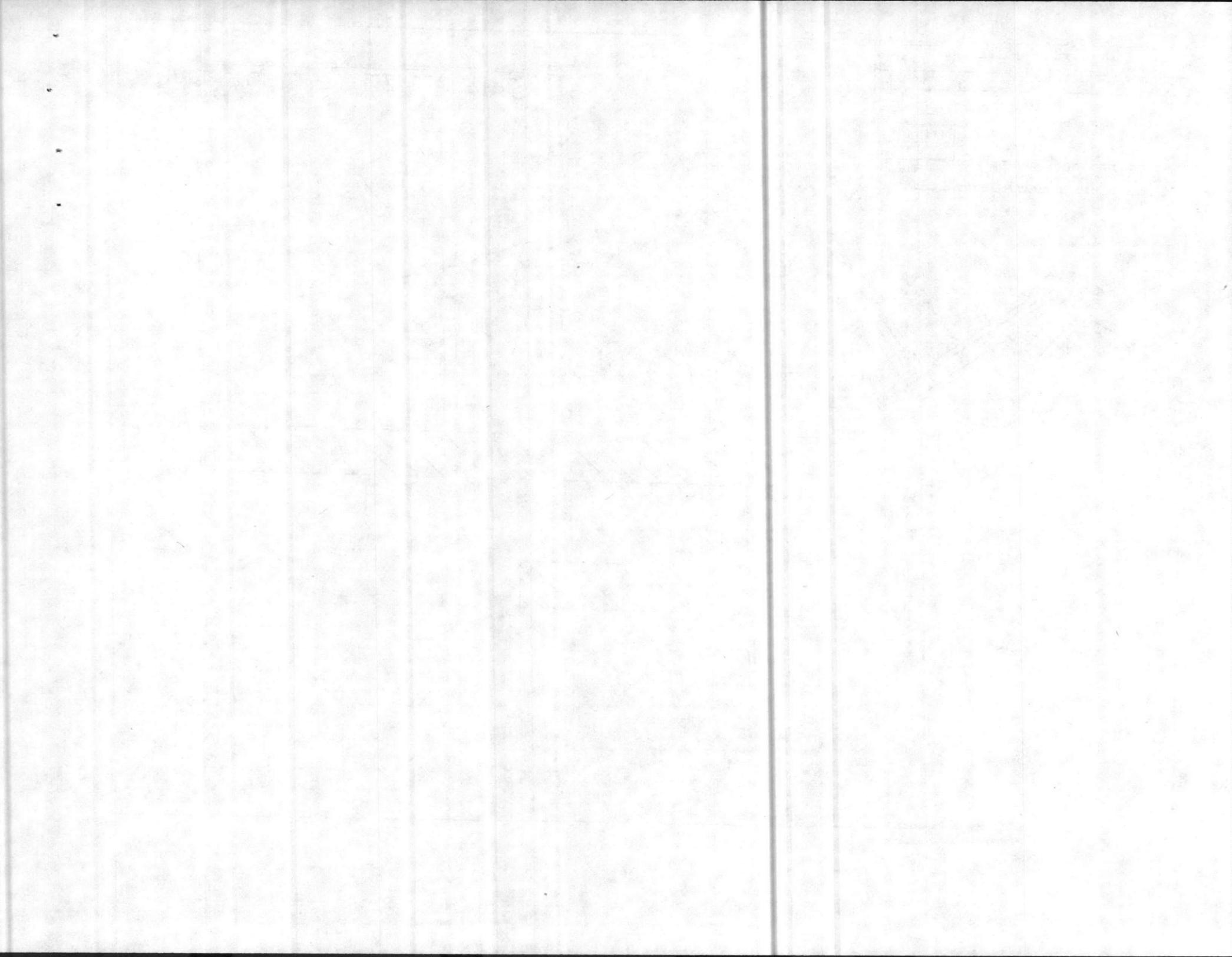
LEGEND

-  EXISTING 12'X48' MO MATTING
-  EXISTING AM-2 MATTING
-  PROPOSED AM-2 MATTING
-  DIRT ROAD
-  TREE LINE



OVERALL TOPO OF TLZ BLUEBIRD

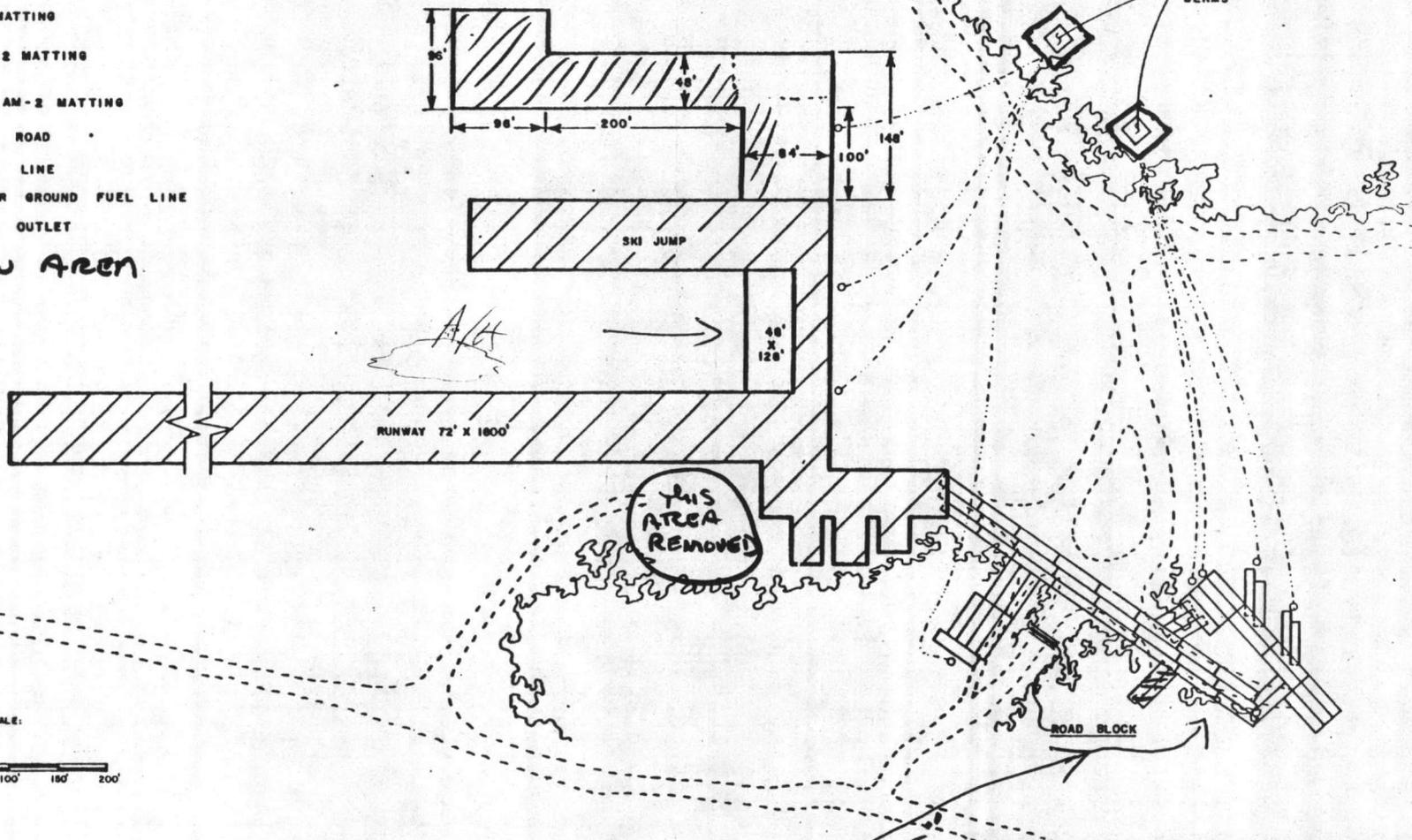
FILE NO. 078	SECOND MARINE AIRCRAFT WING MARINE WING PL BN WING ENGINEER. SQUADRON 21 MARINE CORPS AIRSTATION
DES DR CHK DUPY INCH	OVERALL TOPO OF TLZ BLUEBIRD
DATE TO DATE DATE	APPROVED BY OFFICER SCALE 1" = 40' DATE 6-24-47 SHEET 1 OF 1



# PROPOSED CHANGE

## LEGEND

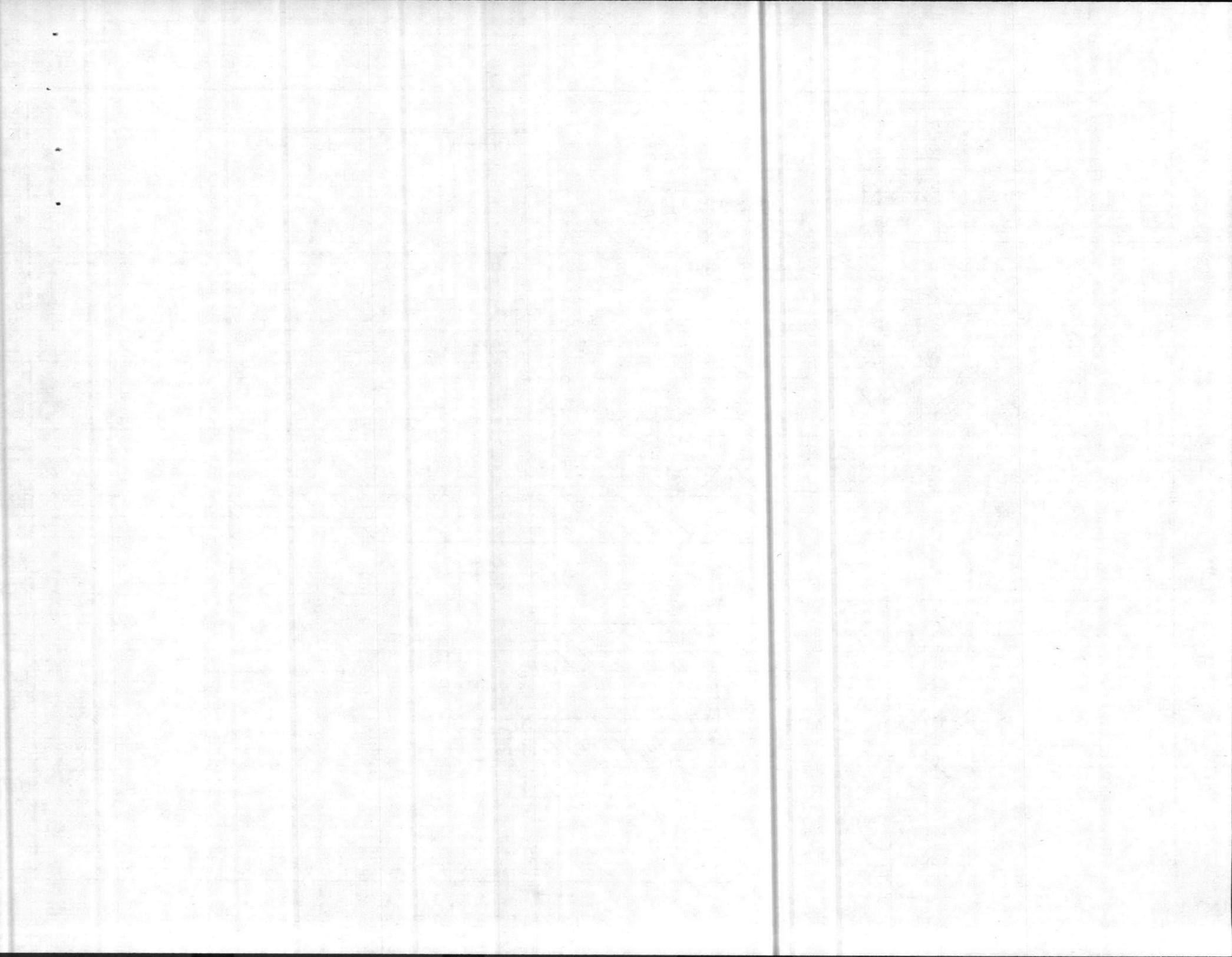
-  NO MATTING
-  AM-2 MATTING
-  NEW AM-2 MATTING
-  DIRT ROAD
-  TREE LINE
-  UNDER GROUND FUEL LINE
-  FUEL OUTLET
-  **NEW AREA**



PROPOSED "NO-MAT"

OVERALL TOPO OF TLZ BLUEBIRD

FILE NO 078	WING ENGINEER SQUADRON - 27
DES CIANCIO, B.M.	PROPOSED
DR CIANCIO, B.M.	
CHK	TLZ BLUEBIRD
SUPV	
INCH	APP BY: <i>[Signature]</i> DATE 25.1.13
SAT TO	SCALE SHOWN
DATE	DATE 2-6-83
	WK ORDER NO.
	SHEET 1 OF 1





UNITED STATES MARINE CORPS  
 SECOND MARINE AIRCRAFT WING, FMF, ATLANTIC  
 MARINE CORPS AIR STATION  
 CHERRY POINT, NORTH CAROLINA 28533

15/BEW/bew  
 5420  
 2 Dec 1982

SECOND ENDORSEMENT on CO, MWSG-27 ltr 3/MRH/dml 11000 dtd  
 19 Nov 1982

From: Commanding General  
 To: Commanding Officer, Marine Wing Support Group-27  
 Subj: Preliminary Environmental Assessment for AVELEX 1-83, TLZ  
 Bluebird Operations

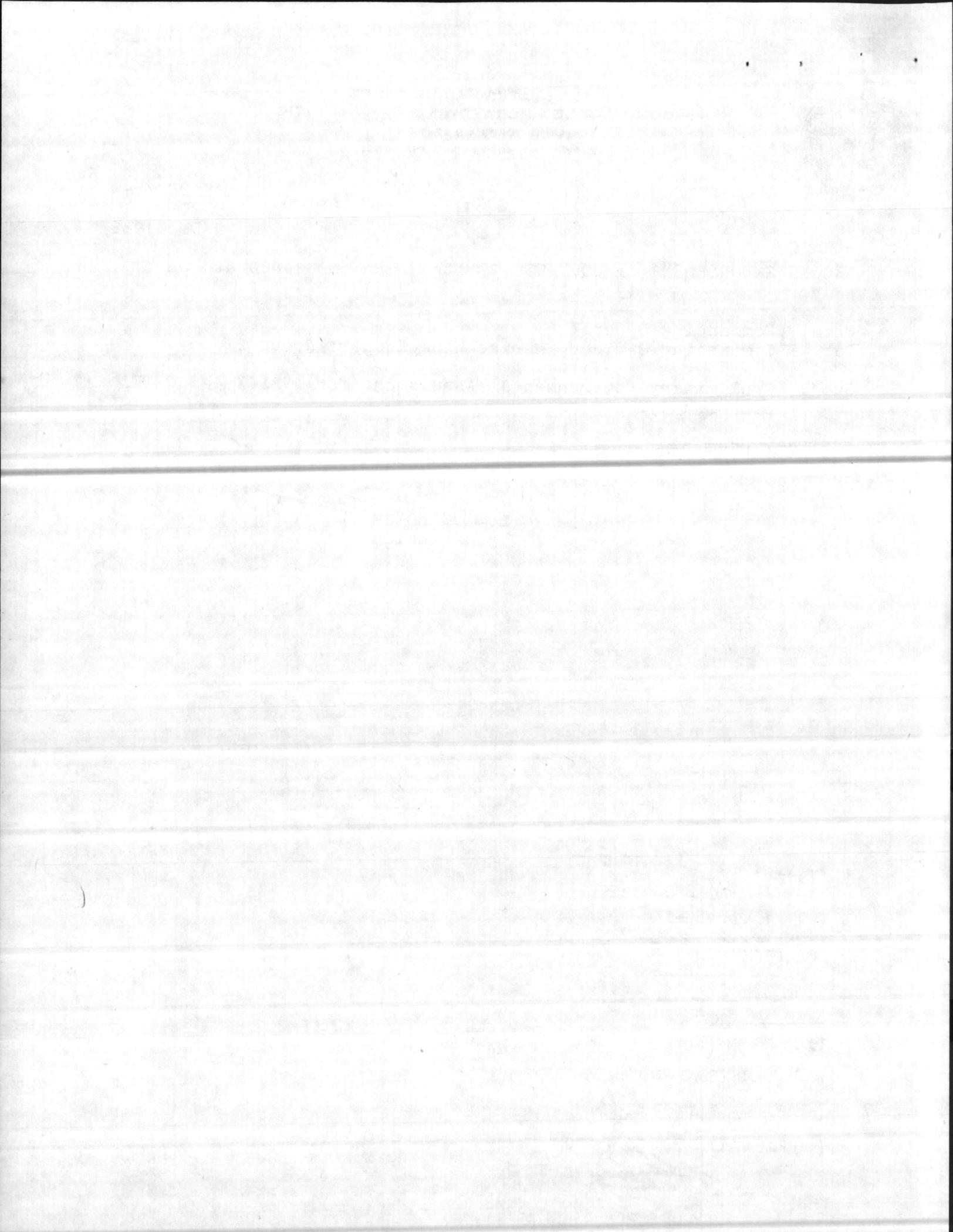
1. Forwarded.

*E. L. Bloxom*  
 E. L. BLOXOM  
 By direction

*3005002*  
 74.405 ENDORSEMENT  
 FROM: CO, MWSG-27  
 TO: C. O. MWS-27  
 VIA: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- (x) FORWARDED
- ( ) READDRESSSED AND FORWARDED
- ( ) FORWARDED FOR ACTION
- ( ) FORWARDED FOR COMPLETION

*[Signature]*  
 BY DIRECTION





UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

FAC/JGF/hf  
5420/3  
23 Nov 1982

FIRST ENDORSEMENT to CO, MWSG 27 ltr 3/MRH/dml 11000 dtd 19 Nov 1982

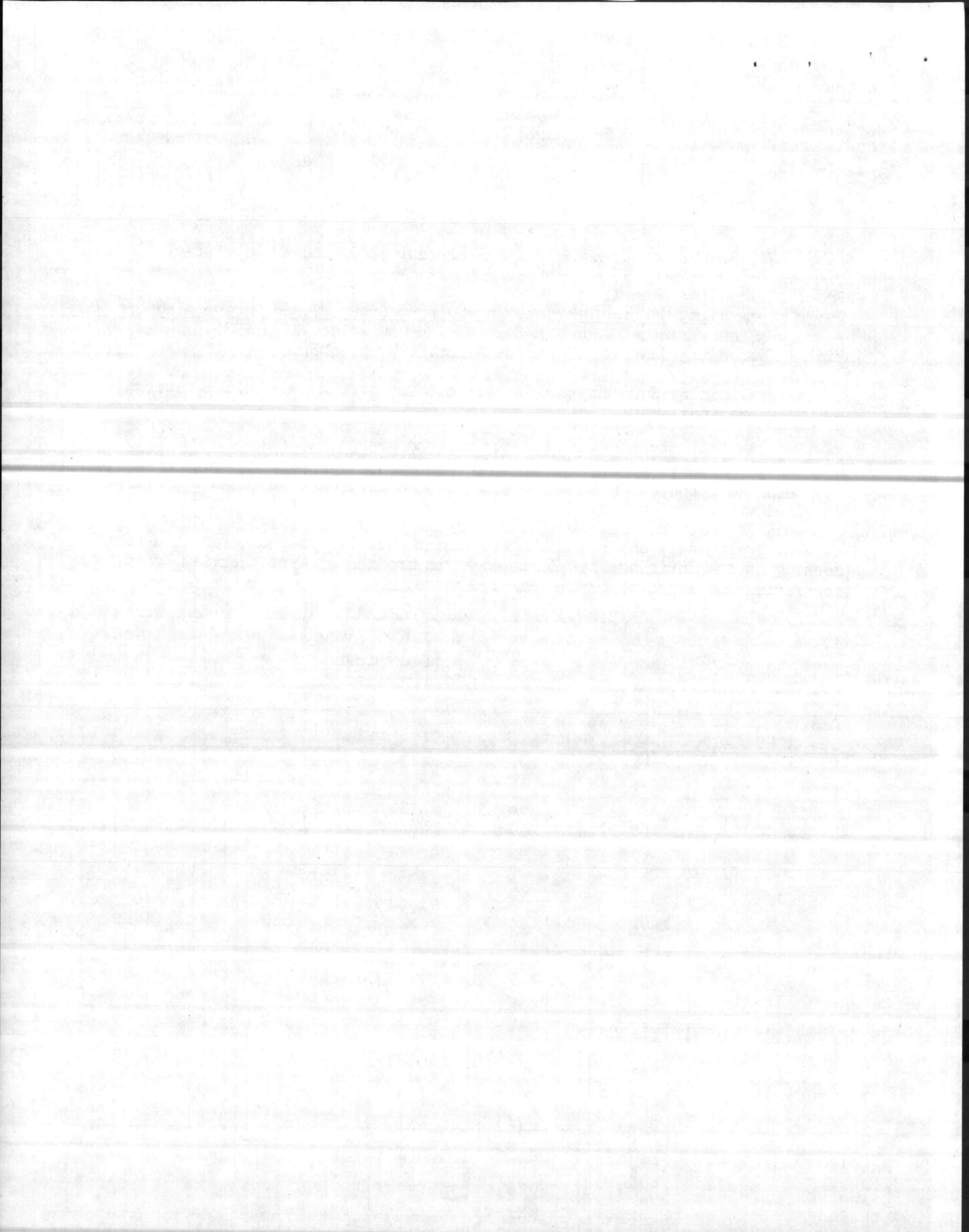
From: Commanding General  
To: Commanding Officer, Marine Wing Support Group 27, 2d Marine Aircraft Wing,  
FMFLant, Marine Corps Air Station, Cherry Point, NC 28533  
Via: Commanding General, 2d Marine Aircraft Wing, FMFLant  
Subj: Preliminary Environmental Assessment for AVELEX 1-83, TLZ Bluebird  
Operations

Encl: (2) Dir, NREAD ltr NREAD/JIW/jc 11000 dtd 23 Nov 1982

1. Returned approved, provided the conditions defined in Enclosure (2) are complied with.
2. The preliminary environmental assessment will be brought before the next meeting of the Environmental Enhancement/Environmental Impact Review Board for review and approval by the Board members.

*J. T. Marshall*  
J. T. MARSHALL  
By direction

Copy to:  
CG, COMCABEAST  
CO, MCAS(H), NR (S-4)



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

NREAD/JIW/jc  
11000  
23 Nov 1982

From: Director  
To: Assistant Chief of Staff. Facilities

Subj: Preliminary Environmental Assessment for AVELEX 1-83 TLZ Bluebird  
Operations; comments concerning

Encl: (1) CG. 2d Marine Aircraft Wing FMF Atlantic, Marine Corps Air Station,  
Cherry Point, NC ltr 15/BM/bew 11000 of 22 Nov 1982

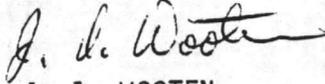
1. The enclosure has been reviewed for consistency with Base Order 11000.1A. Based on information provided in the enclosure, there appears to be no significant environmental impact with the proposed subject training. It is recommended the proposed training be approved if the following conditions are met:

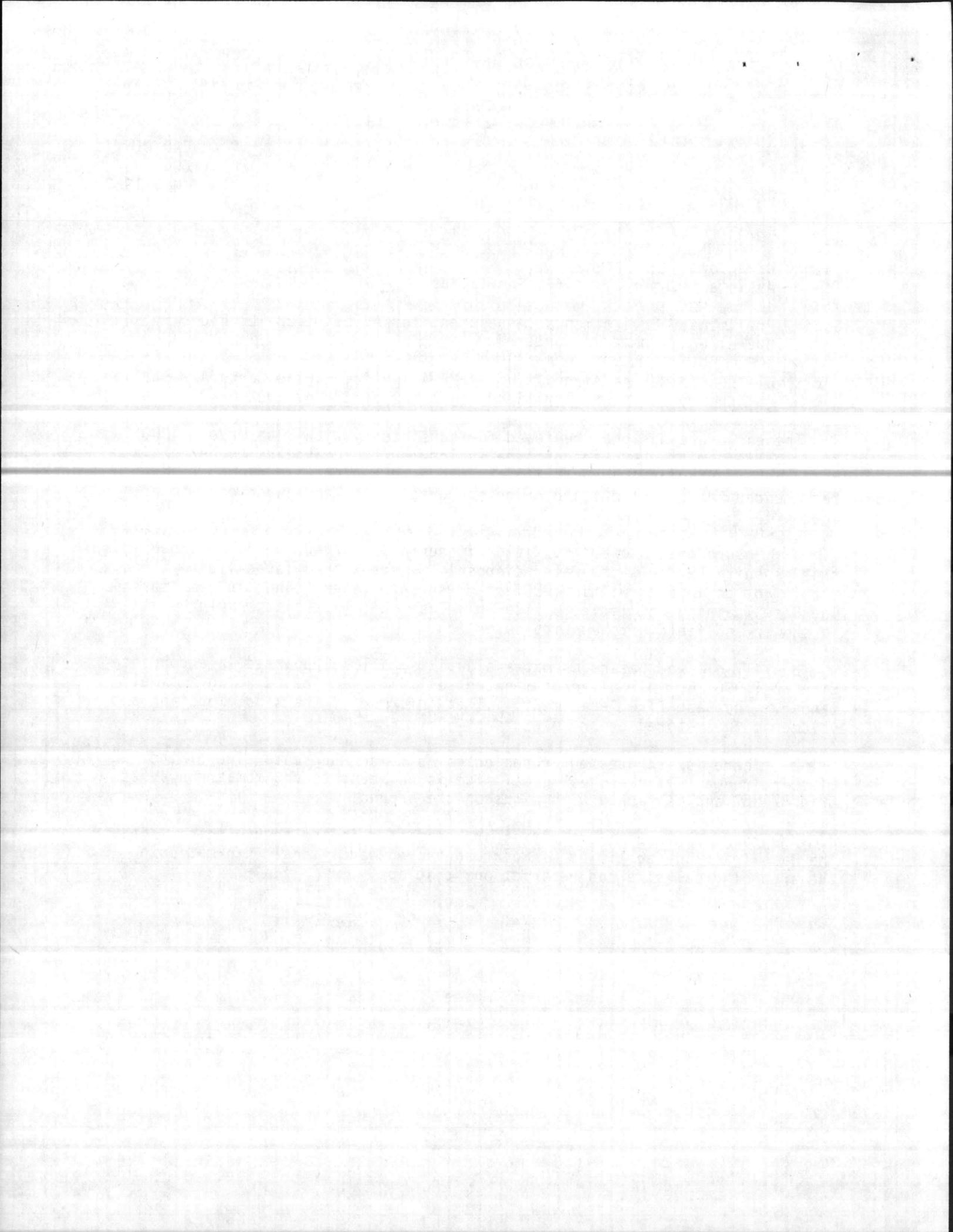
a. Ensure that shower and field kitchen are located on well-drained soil that is suitable for waste water disposal. Waste water disposal pits/trenches should not be located within 100 feet of surface water (pond, stream, marsh). The Base Training Facilities Officer has Base soil maps that should be used in shower and field kitchen site selection.

b. All oil and hazardous material spills will be reported in accordance with BO 11090.1B. All oil contaminated soil will be cleaned up in a timely manner. The Base Fire Department will be informed of the kind, location and volume of fuel stored prior to exercise.

c. There is a protected archeological site on the south side of the TLZ Bluebird runway. The archeological site is adjacent to the momat runway at Grid 874257 and is marked with signs on the ground. *ND*

2. No ground disturbing activities are permitted in the archeological site. The Base Training Facilities Officer can provide additional information on the archeological site and restrictions that apply.

  
J. I. WOOTEN





UNITED STATES MARINE CORPS  
MARINE WING SUPPORT GROUP 27  
SECOND MARINE AIRCRAFT WING, FLEET MARINE FORCE, ATLANTIC  
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA 28533

3/MRH/dml  
11000  
19 Nov 1982

From: Commanding Officer  
To: Commanding General, Marine Corps Base, Camp Lejeune, NC 28542  
Via: Commanding General, Second Marine Aircraft Wing

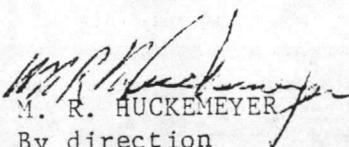
Subj: Preliminary Enviromental Assesment, TLZ Bluebird Operation

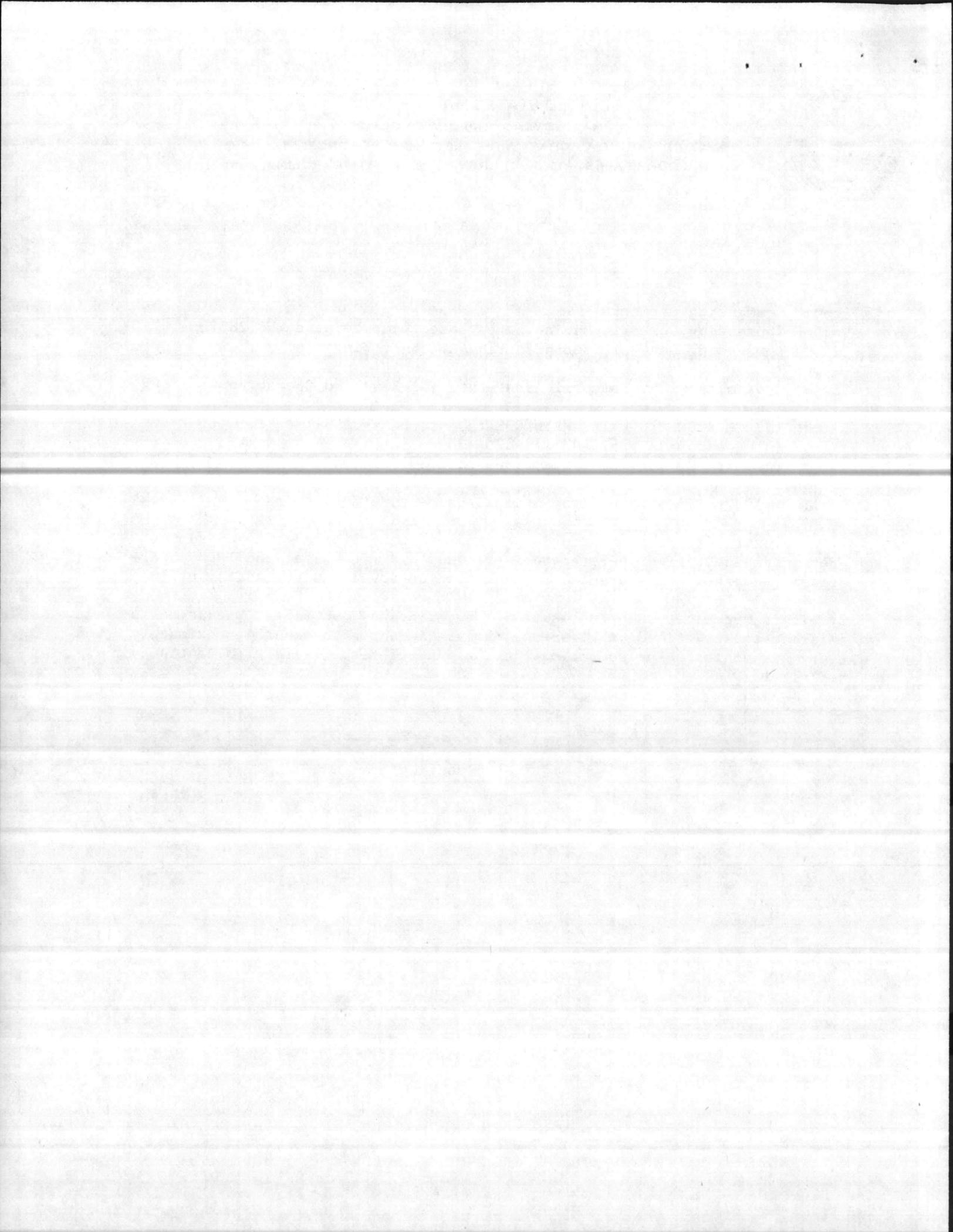
Ref: (a) MCB BO 11000.1A, MAIN/DDS/th, dtd 6 May 1981  
(b) Second MAW 051549Z Nov 82  
(c) WES-27 ltr 3/WGL/add, 3000, dtd 15 Jul 1982

Encl: (1) Preliminary Enviromental Assessment, TLZ Bluebird

1. Enclosure (1) is submitted in accordance with reference (a) to support operations identified in references (b) and (c). The water and TAFDS operations requested by reference (c) have been approved and the units are in place.

2. It is requested that Enclosure (1) be maintained on file. Operations similar to these defined in reference (b) are expected to occur approximately every six months. The operations defined in reference (c) are to continue indefinitely.

  
M. R. HUCKEMEYER  
By direction



## PRELIMINARY ENVIROMENTAL ASSESSMENT, TLZ BLUEBIRD

### 1. Action/Project Description

a. TLZ Bluebird is to be used in conjunction with Second MAW exercise AVELEX 1-83). Expected utilization may include the following structures/operations.

(1) TAFDS unit near the taxiway between the runway and the skijump (existing berms).

(2) Water point and shower facility on one of ponds adjacent to Mile Hammock Road (existing site).

(3) Billeting area for six to forty personnel in the tree line near the TAFDS berms (three CP tents in place).

(4) Vehicle parking and maintenance near the billeting area.

(5) Field generators will be utilized to power billeting and working areas (two generators are inplace).

(6) Mess hall for upto 150 personnel near the billeting area. This would only be established and utilized during an AVELEX period.

(7) Installation of a 96' x 96' AM-2 landing pad adjacent to the ski jump. The taxiway between the runway and the ski jump would be extended to the landing pad. The extended taxiway would serve as the TAFDS refueling points. This pad would remain in place indefinitely to support continuing helicopter/harrier refueling operations.

(8) Installation of Momat to provide Harrier hides as an extension of the existing parking area. Approximately 64 Momat kits would be installed (35 pieces were installed/removed for the last AVELEX). The Momat would be installed for the duration of the AVELEX exercise and then removed.

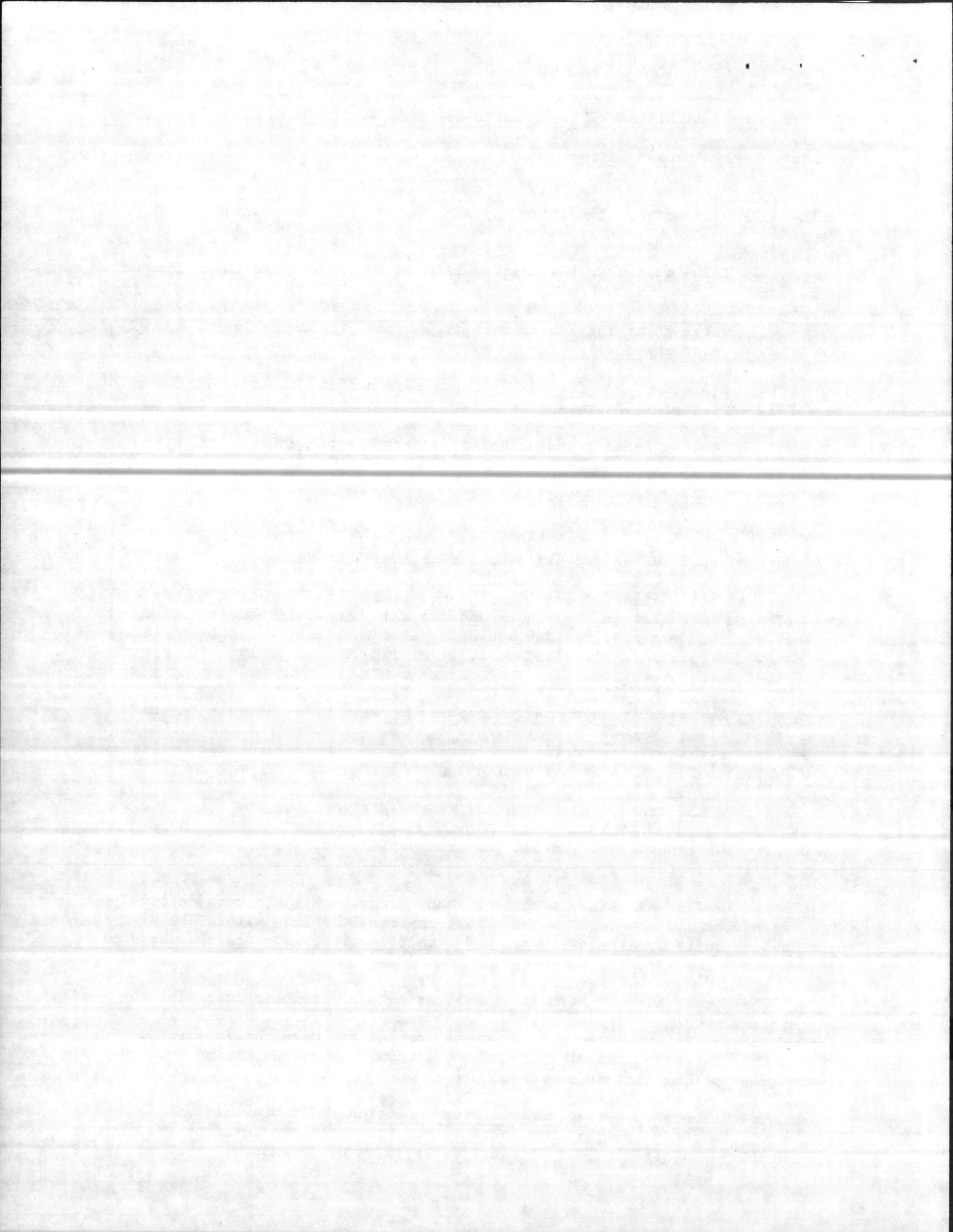
(9) A maintenance tent adjacent to the harrier hide installation.

b. The water point and TAFDS sites are in place and operational. No change is anticipated for those units.

c. The landing pad site is a flat, sandy area which would require limited earth work, but no tree removal. Alternative locations within TLZ Bluebird would require greater earthwork and significantly greater taxiway construction.

d. The first half of the Momat installation was accomplished during the last AVELEX, consequently, no tree or brush removal is required for that portion of the installation. The site survey for the circular portion of hide indicates no large tree removal is required, although limited brush removal and leveling operations will be required.

2. Consideration of Alternatives and Site Selection. TLZ Bluebird has been used repeatedly for similiar operations. Other comparable sites are also being utilized. Therefore, no alternative sites were evaluated.



3. Compliance with Federal, State and Local Environmental Regulations and Guidelines. The applicability of the following considerations and the proposed means and measures to control, prevent or mitigate adverse environmental effects are as described below.

a. Endangered Species Act. Use of the Action areas by endangered species of animals appears to be insignificant. This project has no apparent beneficial or adverse impact on any endangered or threatened species.

b. Clean Water Act. The level terrain and sandy soil results in a condition of low erosion potential. Fuel spills or leaks would be contained by berms and/or "quick-dry" for absorption which would then be removed to a disposal site. The Fire Department will be notified of any spills. A 100 ft (plus) buffer zone of natural vegetation will be left around ponds/streams. Waste water will be drained into a properly prepared soakage pit to prevent water contamination. These areas will be adequately protected.

c. Clean Air Act. Not applicable. No significant discharge of air pollutants.

d. Coastal Zone Management Act. There is no known direct or indirect impact on tidal marshes, beaches or other protected areas other than aircraft noise. Due to past approved use of this training site, it has been determined that the Coastal Zone Management Act (CZMA) is not applicable.

e. Archeological and Historic Preservation Act. There are no structures in the immediate area which have been identified on State or National Registers of historic sites. There are no visible remnant structures or homesites, artifacts, etc. which indicate that the site is covered by this Act. This Act is not applicable.

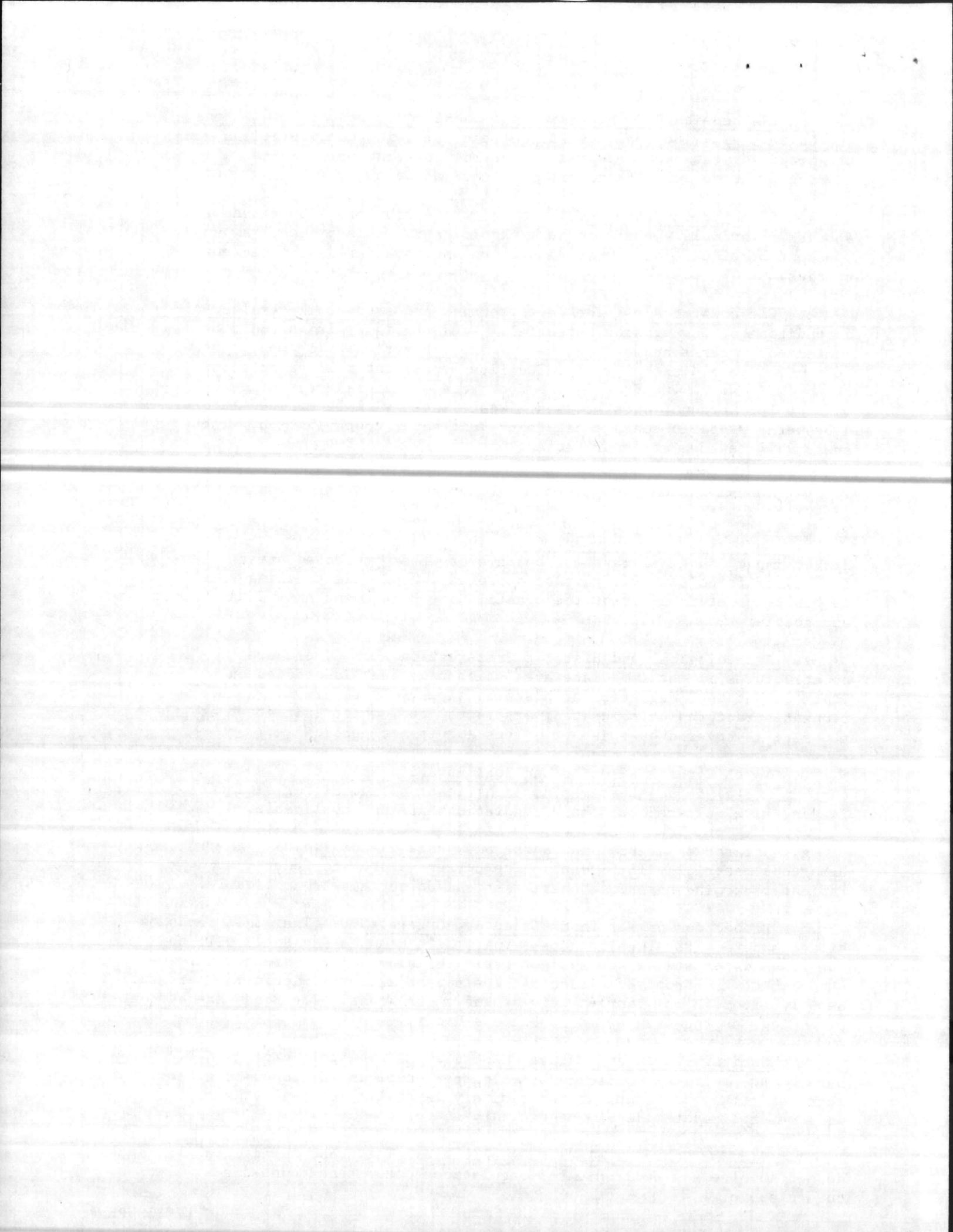
f. North Carolina Erosion and Sedimentation Regulations. As discussed in 3(b) above, there is no significant potential for sediment leaving site. Therefore, these regulations are not applicable.

g. Hazardous Material and Hazardous Waste Disposal. No hazardous material will be used. The current State and Federal Regulations regarding hazardous waste disposal do not appear applicable.

h. Protection of Wet Lands Executive Order 11990. The small ponds on either side of TLZ Bluebird Access road, Mile Hammock Bay Road, will be used as a water source for subject field training. These are the only Wetlands which the proposed action has the potential for impacting. There will be a 100 foot (Plus) barrier left around these areas. The ponds are adequately protected, as required by the Executive Order.

i. Sanitary Waste and Refuse Disposal. Refuse (ie., cans, paper, etc.) will be collected by using personnel and disposed of at an approved refuse container at the sanitary landfill. Port-a-Johns will be utilized to dispose of sanitary waste.

j. Discuss Other Regulations Applicable. The proposed actions do not involve any environmental regulations other than those discussed above.



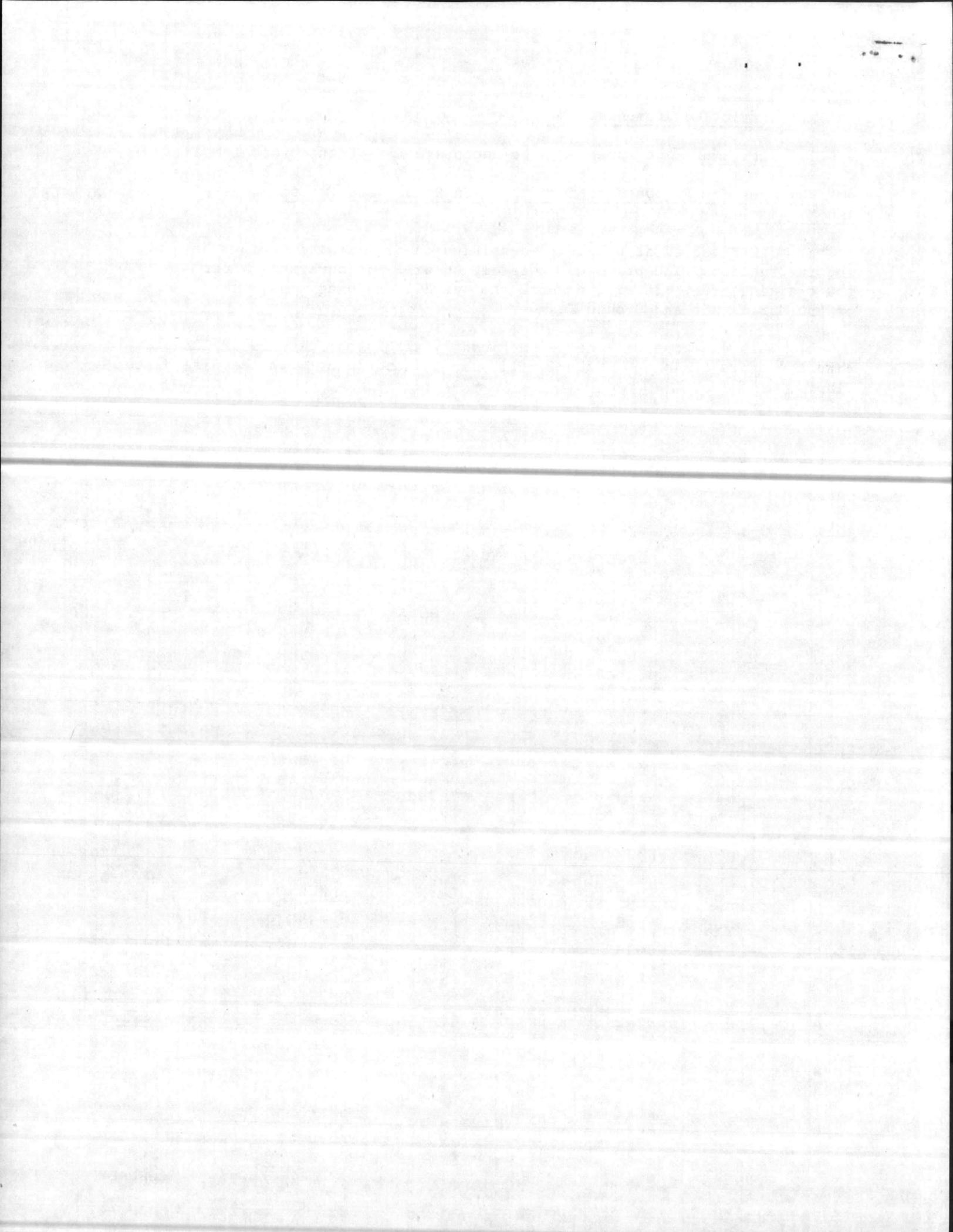
k. Permit Requirements. None.

l. Site Map. See Appendix A to enclosure (1) of the basic letter.

4. How Does The Proposed Action Impact On Other Base Functions  
And Mission?

a. TLZ Bluebird is properly identified on Base Training Map and instructions. The proposed modification will not adversely alter the training area. It will enhance the overall training missions of the Marine Air and Ground Team.

b. This exercise will not significantly alter the features of TLZ Bluebird therefore training at the facility is in accordance with the Base Master Plan.



NFLD 21012

4:MWL:mkc  
5420  
11 February 1983

FIRST ENDORSEMENT on CO, 3d LAAM Bn ltr 4:RJH:jem over 5420 dtd 9 February 1983

From: Commanding Officer

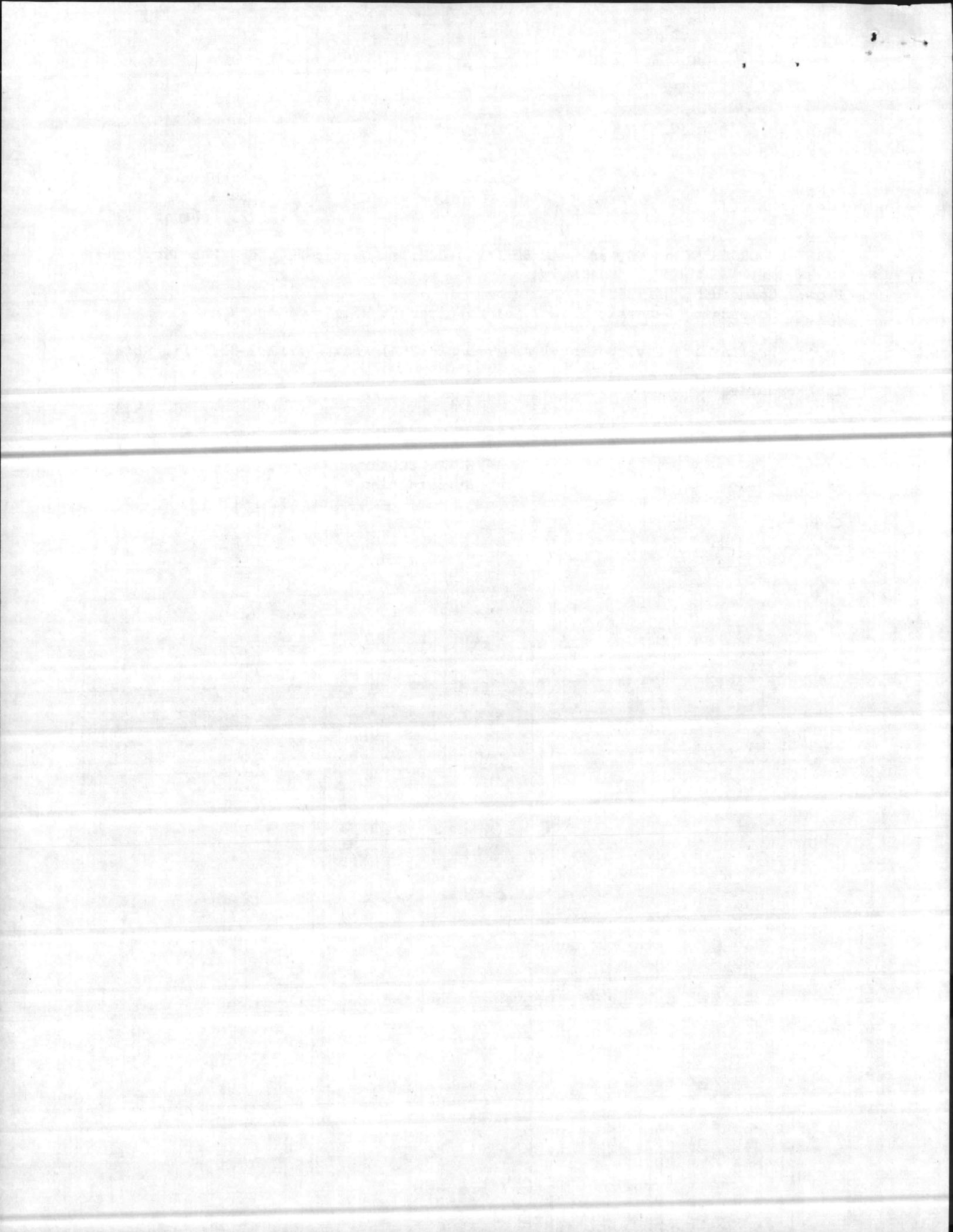
To: Commanding General, Second Marine Aircraft Wing

Subj: Preliminary Environmental Assessment (PEA) for AVELEX 2-83/Solid Shield

1. Forwarded

N. P. BOURRE  
By direction

Copy to:  
CO, 3d LAAM Bn



UNITED STATES MARINE CORPS  
3d Light Antiaircraft Missile Battalion  
Marine Air Control Group-28  
2d Marine Aircraft Wing, Fleet Marine Force, Atlantic  
Marine Corps Air Station, Cherry Point, N. C. 28533

4:RJH:jem  
5420

9 February 1983

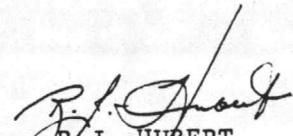
From: Commanding Officer, Third Light Antiaircraft Missile Battalion  
To: Commanding General, 2d Marine Aircraft Wing  
Via: Commanding Officer, Marine Air Control Group-28

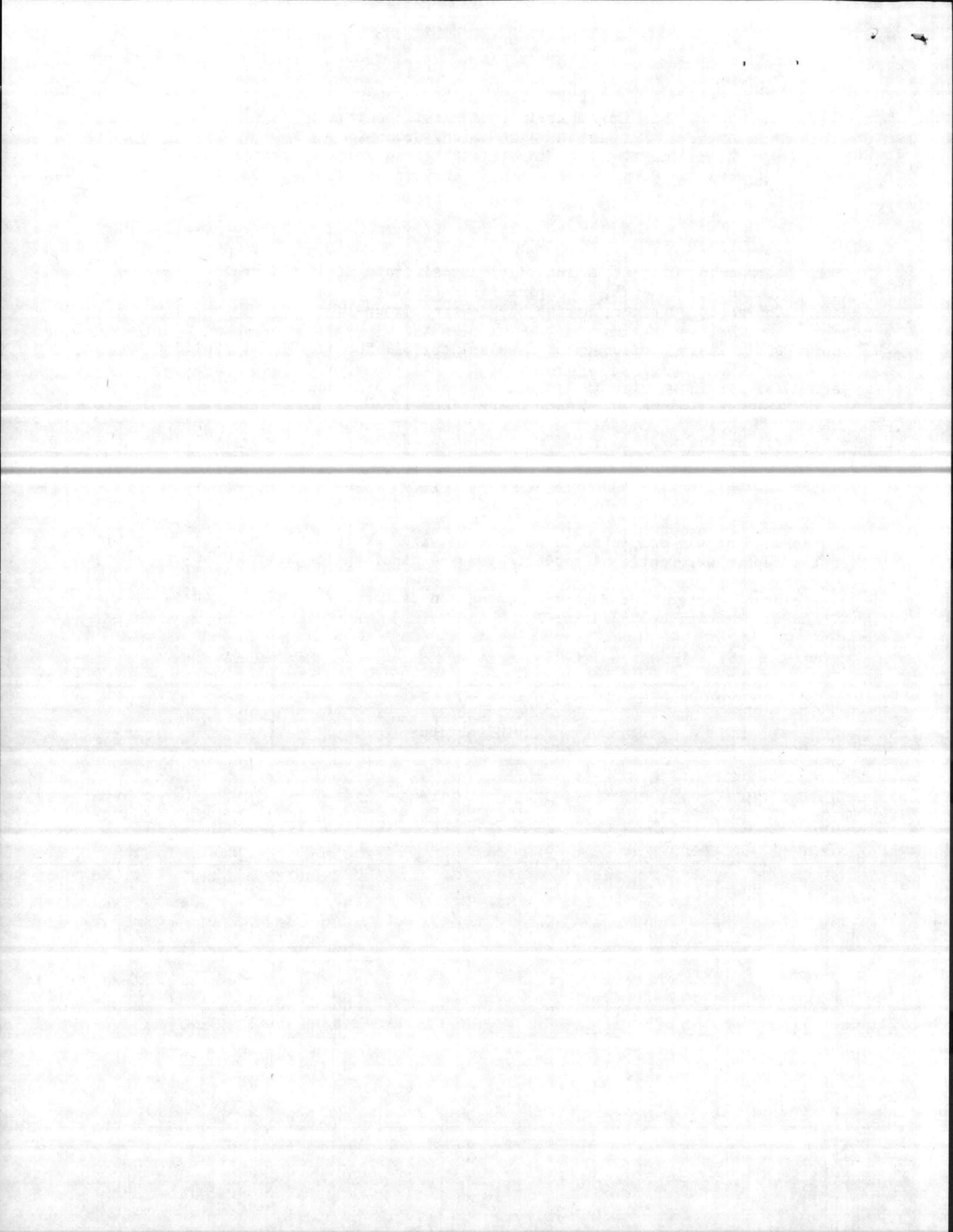
Subj: Preliminary Environmental Assessment (PEA) for AVELEX 2-83/Solid Shield

Ref: (a) CG, 2d MAW ltr 15:BTM:bew over 5420 dtd 25 Jan 1983  
(b) Camp Lejune. N.C. Base Order 11000.1A

Encl: (1) Preliminary Environmental Assessment (PEA) for New River

1. Preliminary Environmental Assessment for New River is submitted as requested in reference (b).
2. Assessment was completed in accordance with reference (b) although many categories of the report were not applicable to this particular situation.
3. Point of contact for further information is Capt. R.J. HUBERT and/or 1stLt J.R. WILKERSON, extension 5292/2528.

  
R.J. HUBERT  
By direction



Preliminary Environmental Impact Assessment for New River

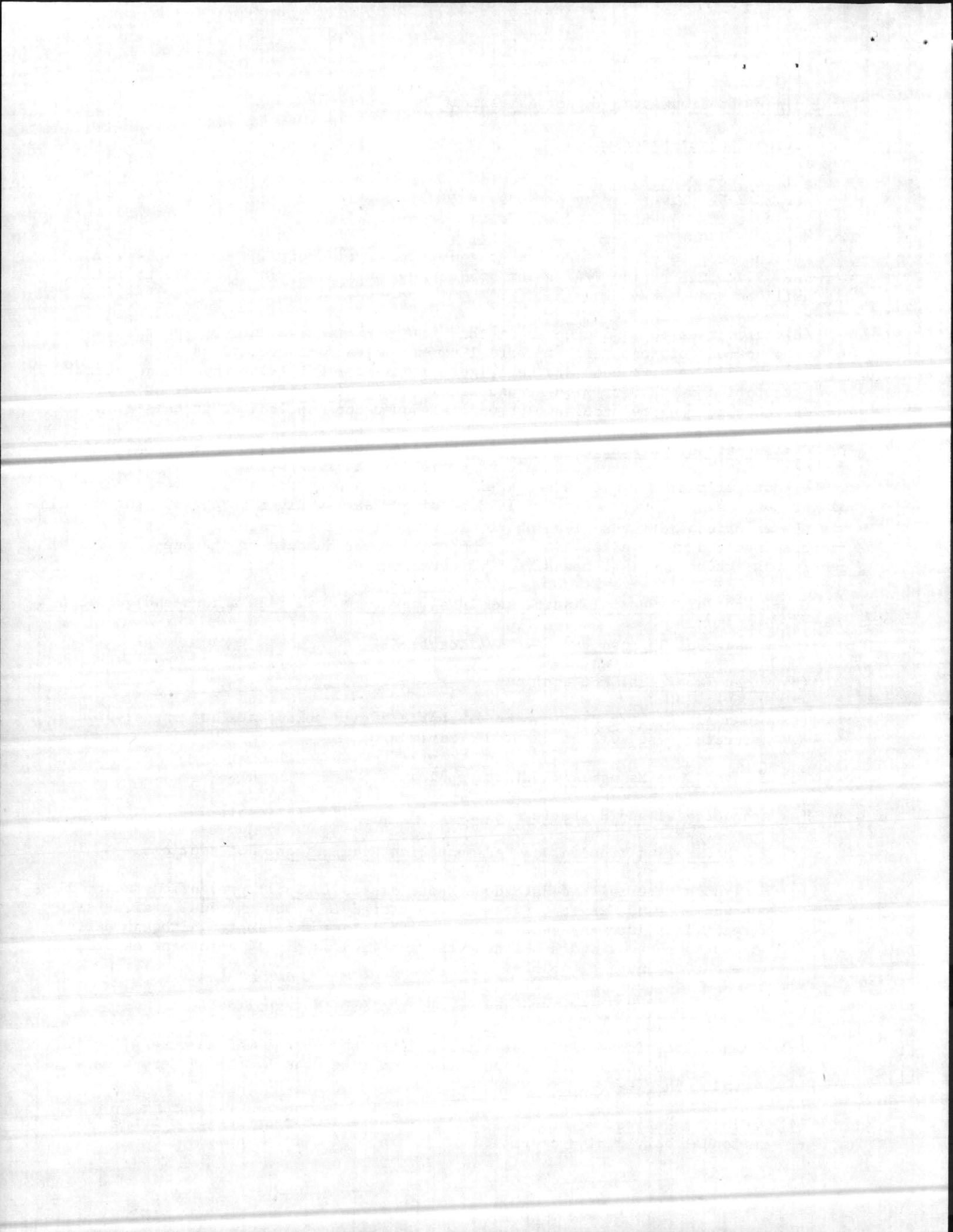
1. Action/Project Description

- (a) Project Description An improved HAWK missile battery is scheduled to deploy to MCAS New River during periods of 29 March - 16 April and 21 April - 11 May in support of AVELEX 2-83 and Solid Sheild 83.
- (b) The propose site is located at approximate grid coordinates of 428764 of New River map series V742 sheet 5553III. No permanent modifications to area will be made.
- (c) Activities to be conducted in this area will involve battery operations; emplacement of tent camp and establishment of tactical operations site. Both areas will require good drainage, good access for M36 prime movers and mimimun vegetation over 50 ft high around tactical site (to mimize radar masking). Sites also require access to commercial power hook up located at this area.

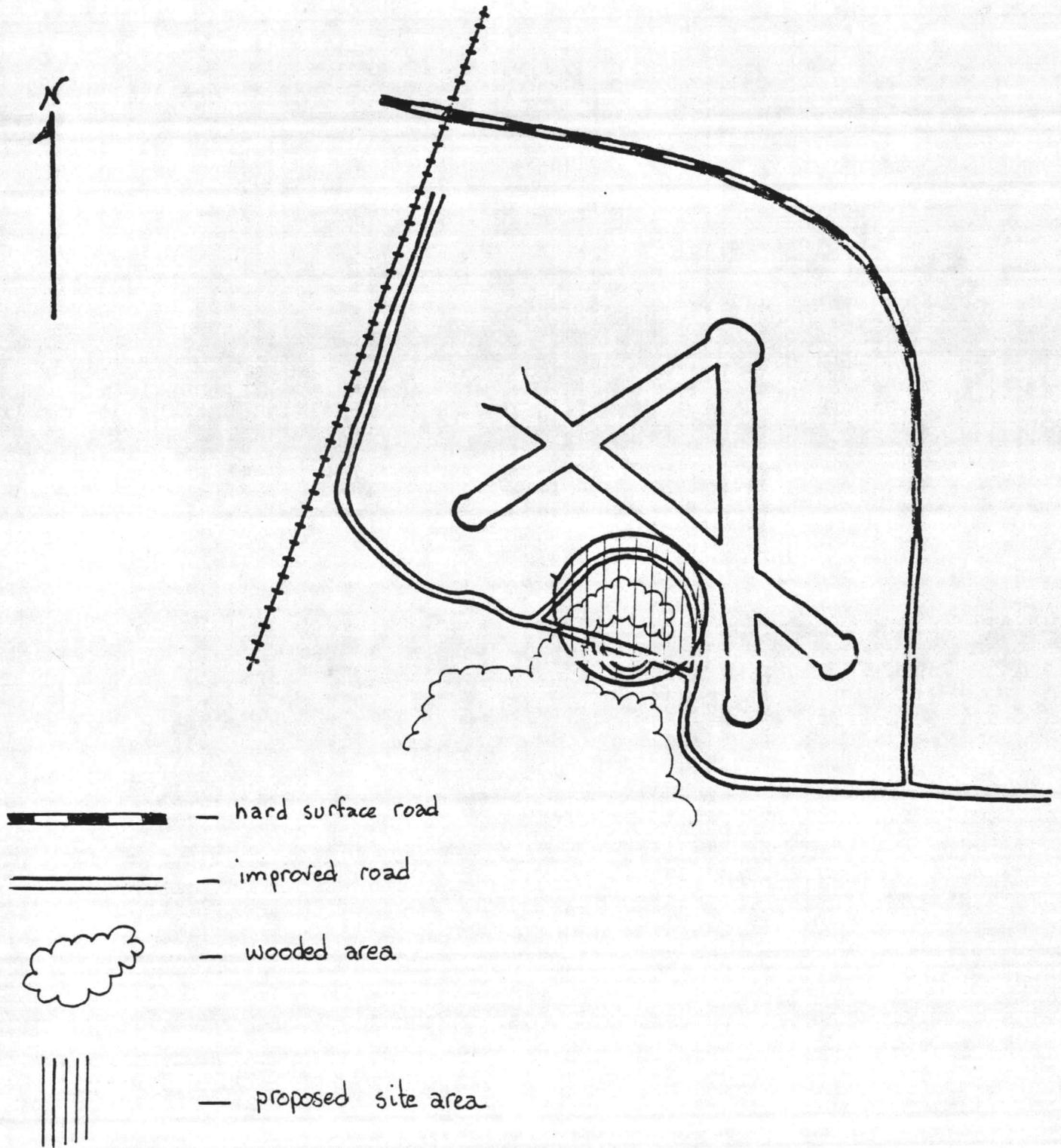
2. Considerations of Alternatives and Site Selection. This site aboard MCAS New River was selected as a result of tactical and logistical considerations. A large, open area where powerful radars could be tactically emplaced and operated without radiation danger to housing or work areas while defending MCAS New River throughout the exercises was the major consideration leading to the selection of this site. Further economic factors involved the availability of commercial power instead of the use of tactical generators, thus reducing expensive fuel consumption.

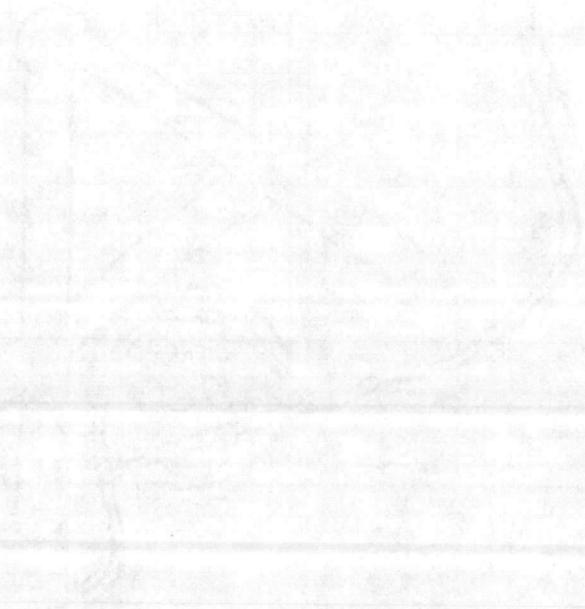
3. Compliance with federal, state and local enviromental regulations and guidelines.

- (a) Endangered Species Act. ~~Not applicable~~
- (b) Clean Water Act. Not applicable
- (c) Clean Air Act. No significant discharge of air pollutants are anticipated as generator use will be kept to a mimimum.
- (d) Coastal Zone Managment Act. Not applicable
- (e) Archeological and Historie Preservation Act. Not applicable
- (f) North Carolina Erosion and Sedimentation Regulations. Not applicable
- (g) Hazardous Material and Hazardous Waste disposal, Spill prevention and Spill containment and Cleanup. Fuel will be stored in a 600 gal fuel trailer with direct lines into the generators. No spills are anticipated although battery possesses shovels and has access to Battalion supply of absorbant materials in event of any fuel spills.
- (h) Protection of Wetlands, Exerutive Order 11990. Not applicable
- (i) Human waste disposal will be accom plished though the three Port-a-jons requested for this site. Trash removal will be done by the battery with organic vehicles.
- (j) Radiation Hazard. Hazard areas will be posted and restricted to authorized personnel only during operation of radars.



MCAS NEW RIVER HAWK SITE





02110 - 00012

UNITED STATES MARINE CORPS  
Marine Air Control Group-28  
Second Marine Aircraft Wing, Fleet Marine Force, Atlantic  
Marine Corps Air Station, Cherry Point, N. C. 28533

4:MWL:dmp  
11000  
10 Feb 1983

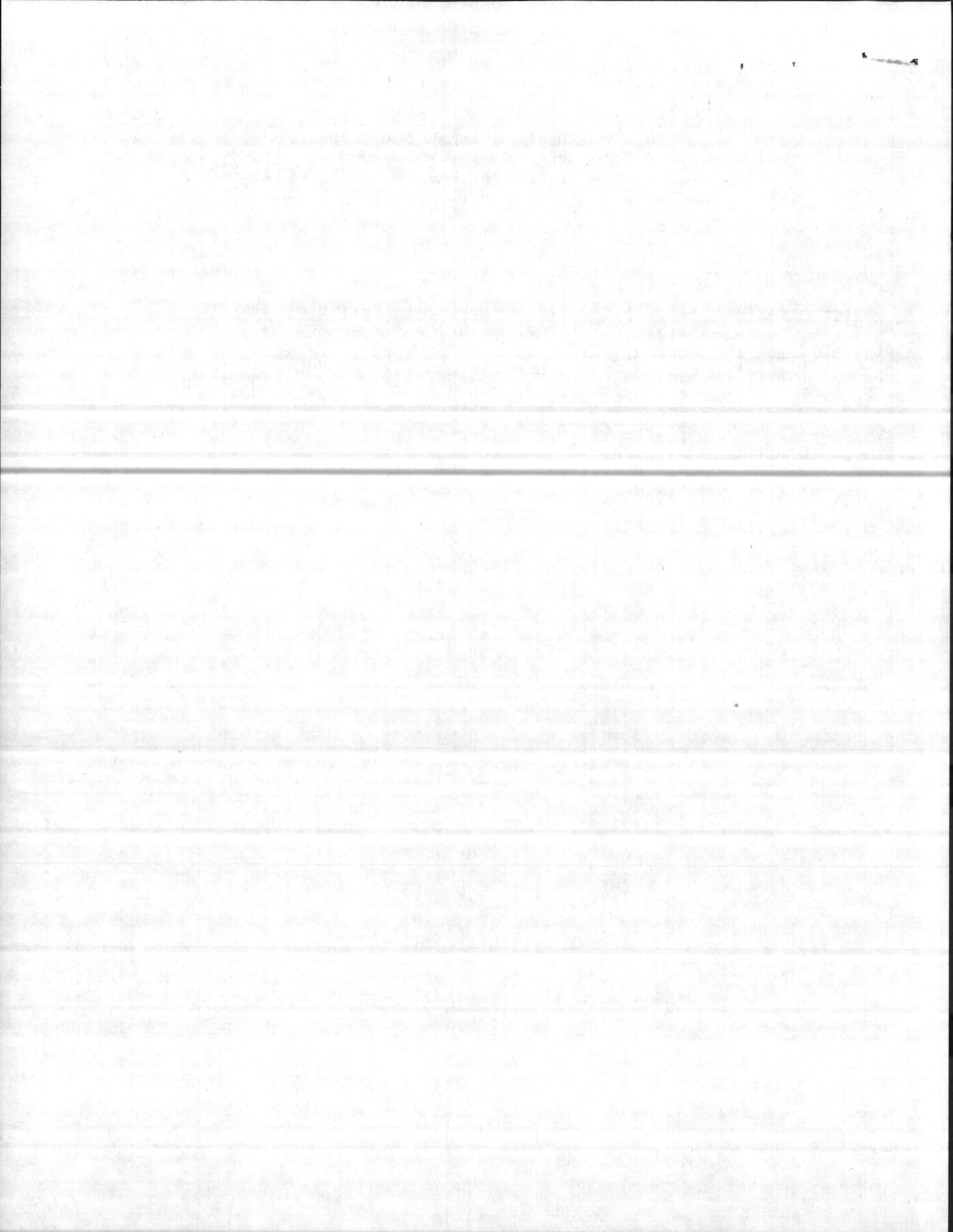
FIRST ENDORSEMENT on CO, MACS-6 ltr 4:PDM:kdr over 11000 dtd 7 Feb 1983

From: Commanding Officer  
To: Commanding General, Second Marine Aircraft Wing (SC-104)  
Subj: Preliminary Environmental Impact Assessment

1. Forwarded.

*N. P. Bourre*  
N. P. BOURRE  
By direction

Copy to:  
CO, MACS-6





UNITED STATES MARINE CORPS  
MARINE AIR CONTROL SQUADRON 6  
MARINE AIR CONTROL GROUP 28  
2D MARINE AIRCRAFT WING, FLEET MARINE FORCE, ATLANTIC  
MARINE CORPS AIR STATION, CHERRY POINT, N.C. 28533

4:PDM:kdr  
11000  
7 Feb 1983

From: Commanding Officer  
To: Commanding Officer, Marine Air Control Group 28 (S-4)

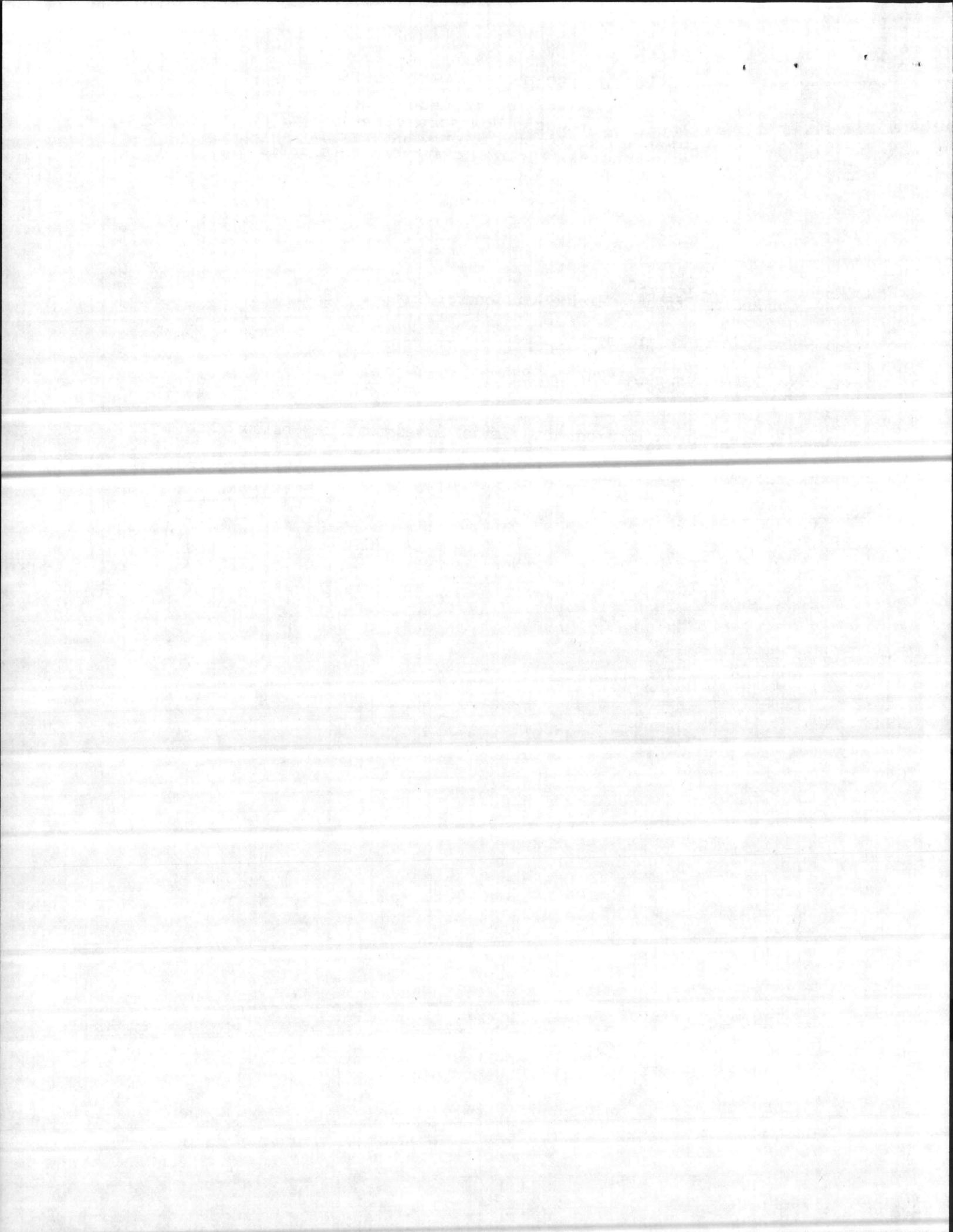
Subj: Preliminary Environmental Impact Assessment

Ref: (a) MACG-28 msg 241823Z Jan 83  
(b) CLNC BaseO 11000.1A

Encl: (1) Preliminary Environmental Impact Assessment for Onslow Beach

1. In accordance with reference (a) and (b), enclosure (1) is submitted.

  
C. RECHTENBACH



## PRELIMINARY ENVIRONMENT IMPACT ASSESSMENT

### 1. Action/Project Description

a. Project Description. Operational requirements during AVELEX/Solid Shield-83 dictates the employment of an Early Warning Radar Team. The EWRT will move from Bogue Field to Onslow Beach on approximately 14 April 1983. A date for the EWRT's return has not been established. When determined this information will be disseminated to higher headquarters.

b. There are no modifications that must be made to the existing area to accommodate the EWRT. There should be no requirement to clear any natural vegetation.

2. Consideration of Alternatives and Site Selection. The following locations are considered as viable options for the EWRT; Radio Island, N.C. or OP-5 Camp Lejeune. The exact site for the EWRT will be determined at a later date based on the operations threat assessment.

### 3. Compliance with Federal, State and Local Environmental Regulations and Guidelines.

a. Endangered Species. The employment of the EWRT at Onslow Beach will have no apparent beneficial or adverse effect on any endangered or threatened species.

b. Clear Water Act. Not applicable

c. Clean Air Act. The generators used to power the EWRT have a system that reroutes the exhaust back to the turbo-charger which burns the excess fumes. Therefore the discharge of air pollutants is minimal.

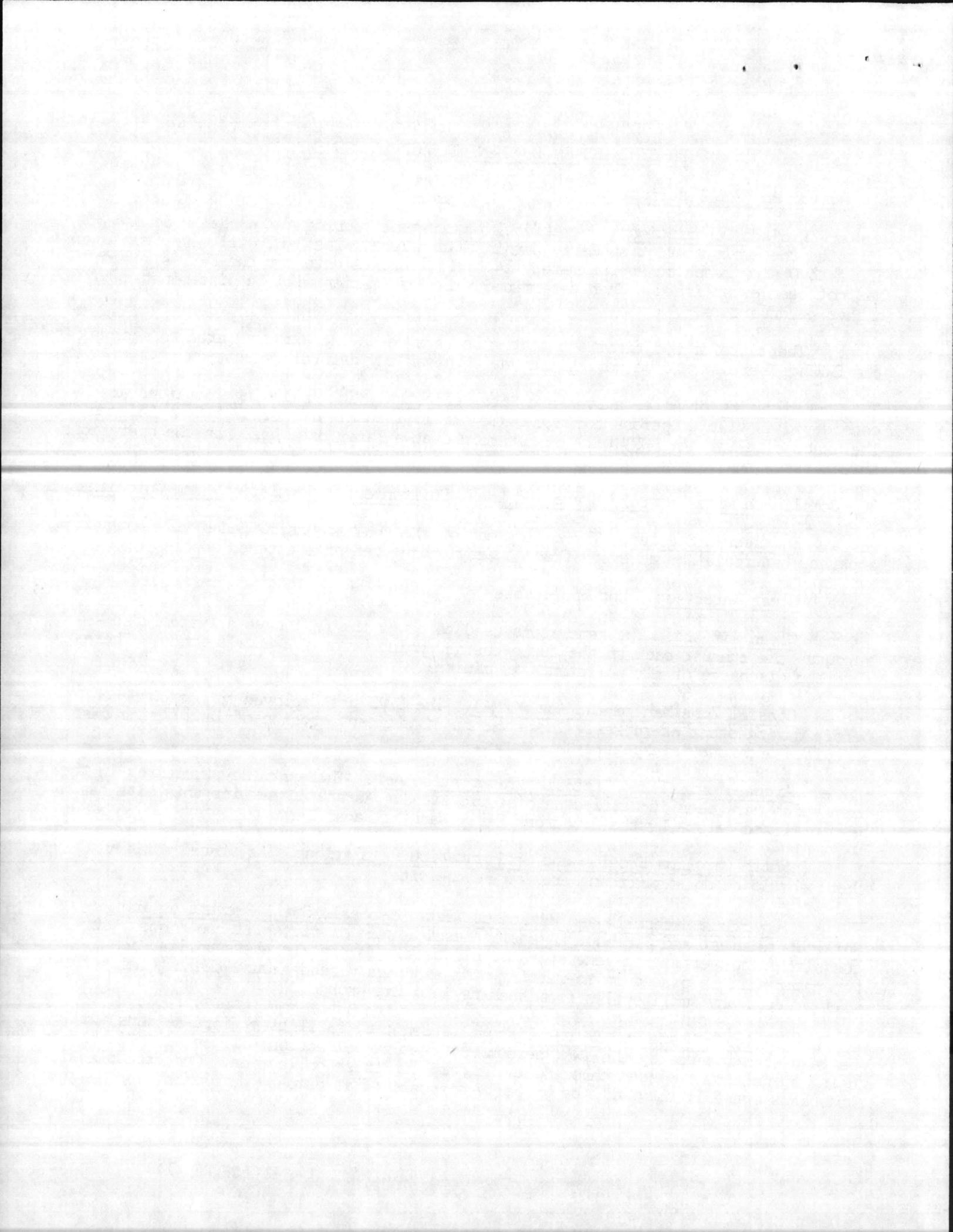
d. Coastal Zone Management Act (CZMA). The EWRT has deployed to Onslow Beach before during other exercises. There was no significant erosion of land during past exercises and none is expected this time.

e. Archaeological and Historic Preservation Act. There are no structures in the area which have been identified as historic sites. As stated earlier this site has been utilized before by the Squadron's Early Warning Radar Team.

f. North Carolina Erosion and Sedimentation Regulations. As stated earlier, there should be no significant erosion at the site.

g. Hazardous Materials and Hazardous Waste Disposal, Spill Prevention and Spill Containment and Cleanup. A small diesel (fuel) or oil spill could occur at the site from overflowing generators or blowback. To contain these spills each generator will be placed on mo-matting with sandbags placed around the matting. This will prevent any small spills from soaking into the ground.

h. Sanitary Waste and Refuse Disposal. Sanitary facilities (Port-a-johns) will be requested for use by the EWRT personnel. Refuse collection will be accomplished by using 55-gal drums placed throughout the camp for trash collection. Once the plastic trashbags are full they will be properly disposed of at dempsey dumpsters.



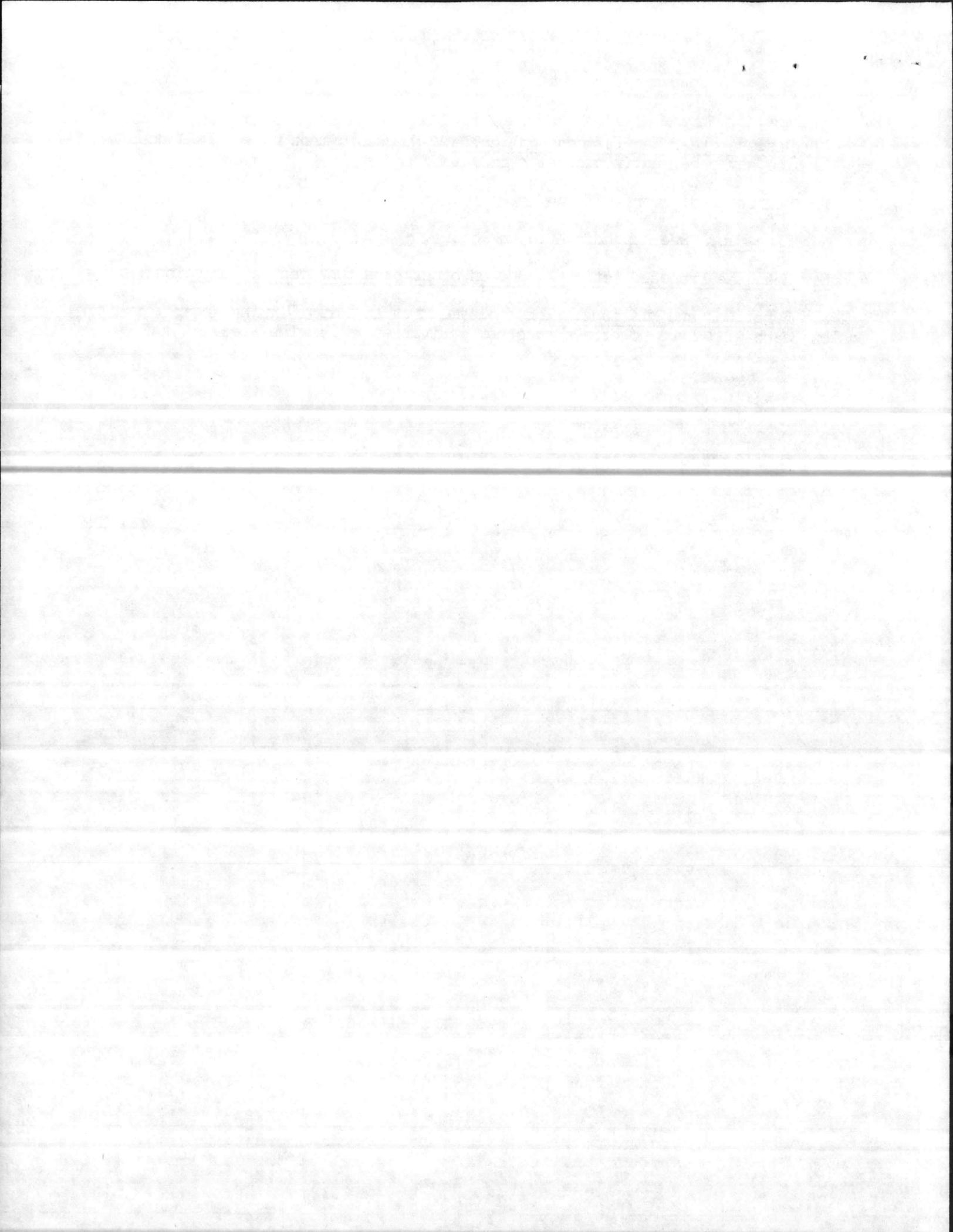
i. Discuss other Regulations applicable. The deployment of the EWRT does not involve any other environmental regulations.

j. Permit Requirements. None

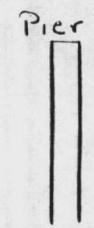
k. Site Map. See Appendix A to Enclosure.

4. How does the Proposed Action Impact on other base functions and missions.

a. Functions and Missions. The employment of an Early Warning Radar Team at Onslow Beach will have no effect on other activities within the area.

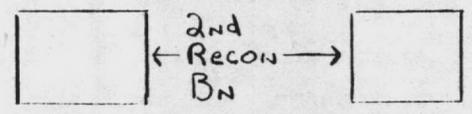
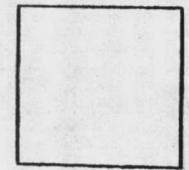


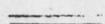
SEPAR



Shore

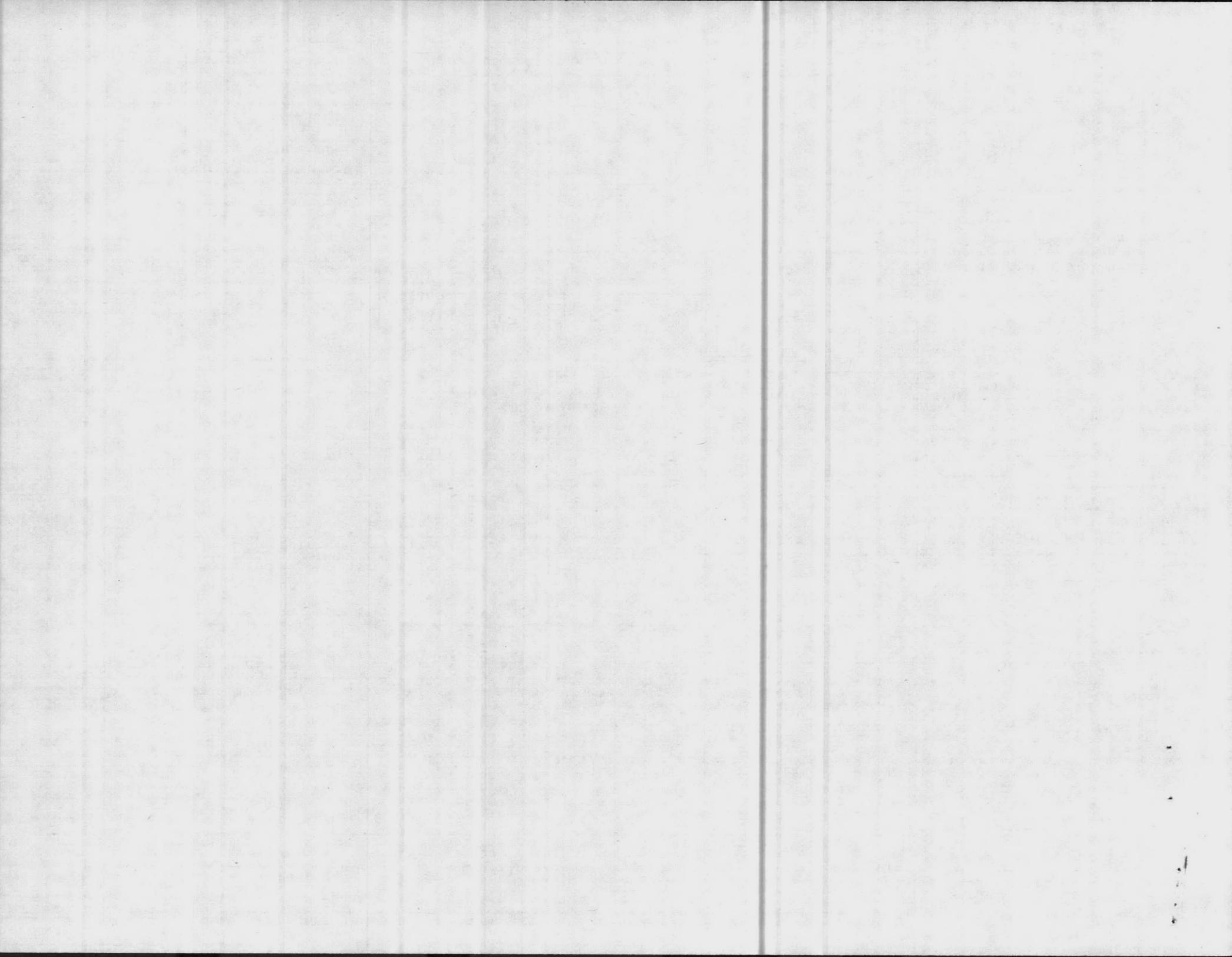
Approx.  
50 yds  
Inland



- Paved Road 
- Dirt Road 
- Existing Bunker 
- Site for EWRT 

NC 172

Appendix A to



FFac P  
28/1/83  
Onslow Beach

Preliminary Environmental assessments for Onslow Beach

1. Action/Project Description

a. Project Description. Three HAWK firing batteries, elements of headquarters and service battery and VC-6 Navy target support unit will be setting up bivouac and tactical firing sites along Onslow Beach during the period from 21 March to 11 May 1983. The units will extend along the beach from Risely Pier to approximately one half mile south of South Onslow Tower with bivouac sites west of access road and tactical equipment and target equipment east of road along beach.

b. Firing Batteries and targeting facilities must be located in the E-1 range area to conduct live missile FIREX and participate in tactical play of exercise AVELEX 2-83 and Solid Shield 83.

c. No permanent facilities or modifications to existing facilities are required. A temporary ammo storage pit will be required to be dug in vicinity of Ballistic aerial target launch area. This can be accomplished with battalion equipment and pit will be filled in upon completion of exercise.

d. Regular battery maintenance and operations will be conducted as well as normal bivouac activities. During the FIREX the batteries will be firing Improved HAWK and Redeye missiles at drones launched in the E-1 airspace by target support units.

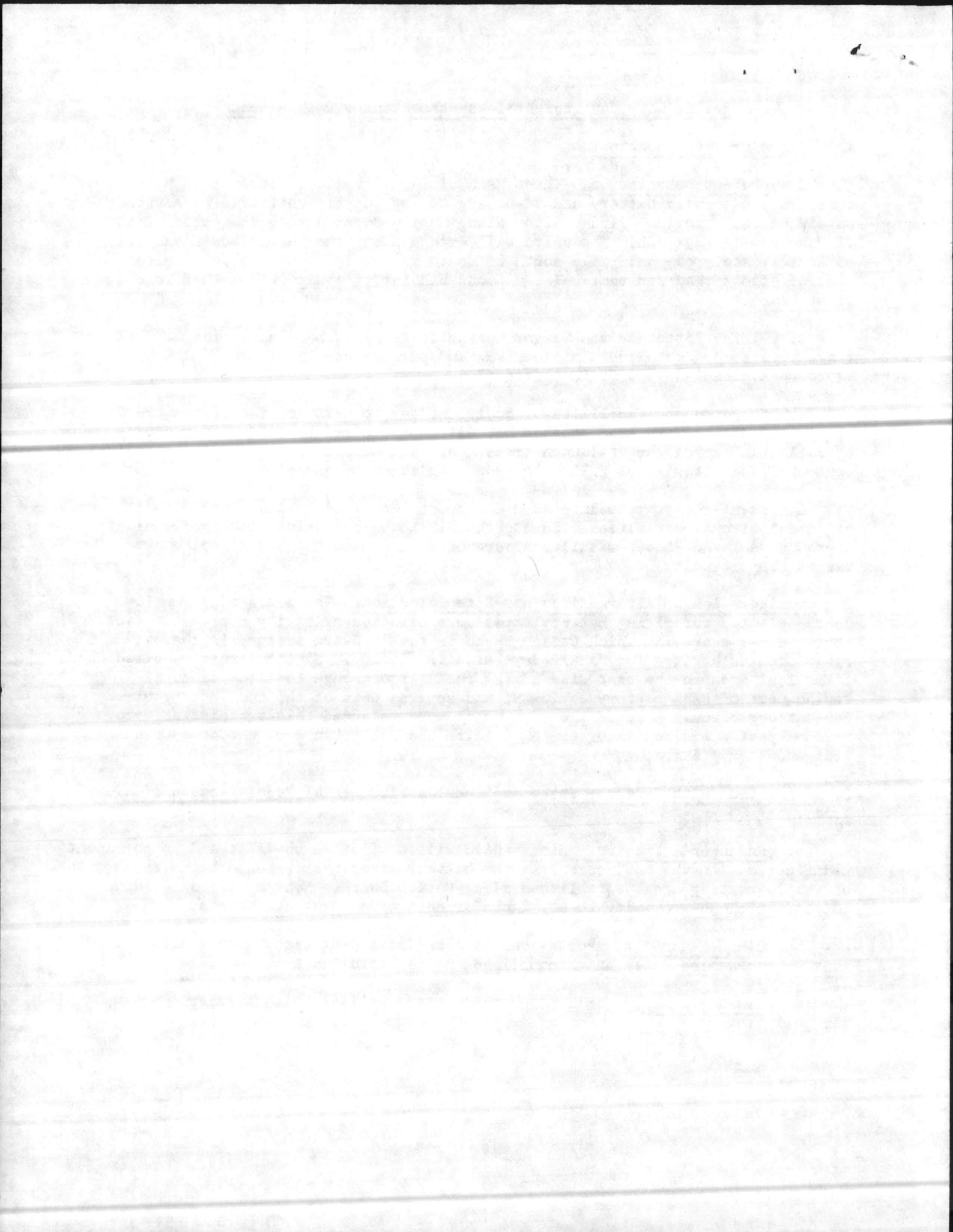
2. Consideration of Alternatives and Site Selection. The sites along Onslow Beach selected for firing battery sites were selected primarily due to the fact that the E-1 range, of which Onslow Beach is the landward sector, is the only range area authorized for HAWK/Redeye missile firings. Battery areas required a tactical area on the east side of the road large enough to allow tactical emplacement of HAWK battery equipment and an area west of the road was required for battery bivouac space. The same dunes were selected this exercise as were used on past exercises in order to minimize the disturbance of the dunes and indigenous vegetation.

3. Compliance with Federal, State and Local Environmental Regulations and Guidelines.

a. Endangered Species. Since there will be limited movement and no permanent modifications to the environment at the battery sites there should be no endangering of turtle nesting areas established along Onslow Beach. None of the sites are located in close proximity to any known or designated protected areas.

b. Clean Water Act. Porta-jons will be located at each battery site. Trash runs are scheduled daily and accomplished using battalion assets.

c. Clean Air Act. Minimum generator usage will minimize discharge of any air pollutants.



d. Coastal Zone Management Act. The dunes along the beach will be used for placement of HAWK radars. The same dunes used in the past will again be used in order to minimize disturbance of the sea oats and other indigenous vegetation. Established trails and accessways into the dunes will be used whenever possible. No significant damage to dunes and vegetation is anticipated.

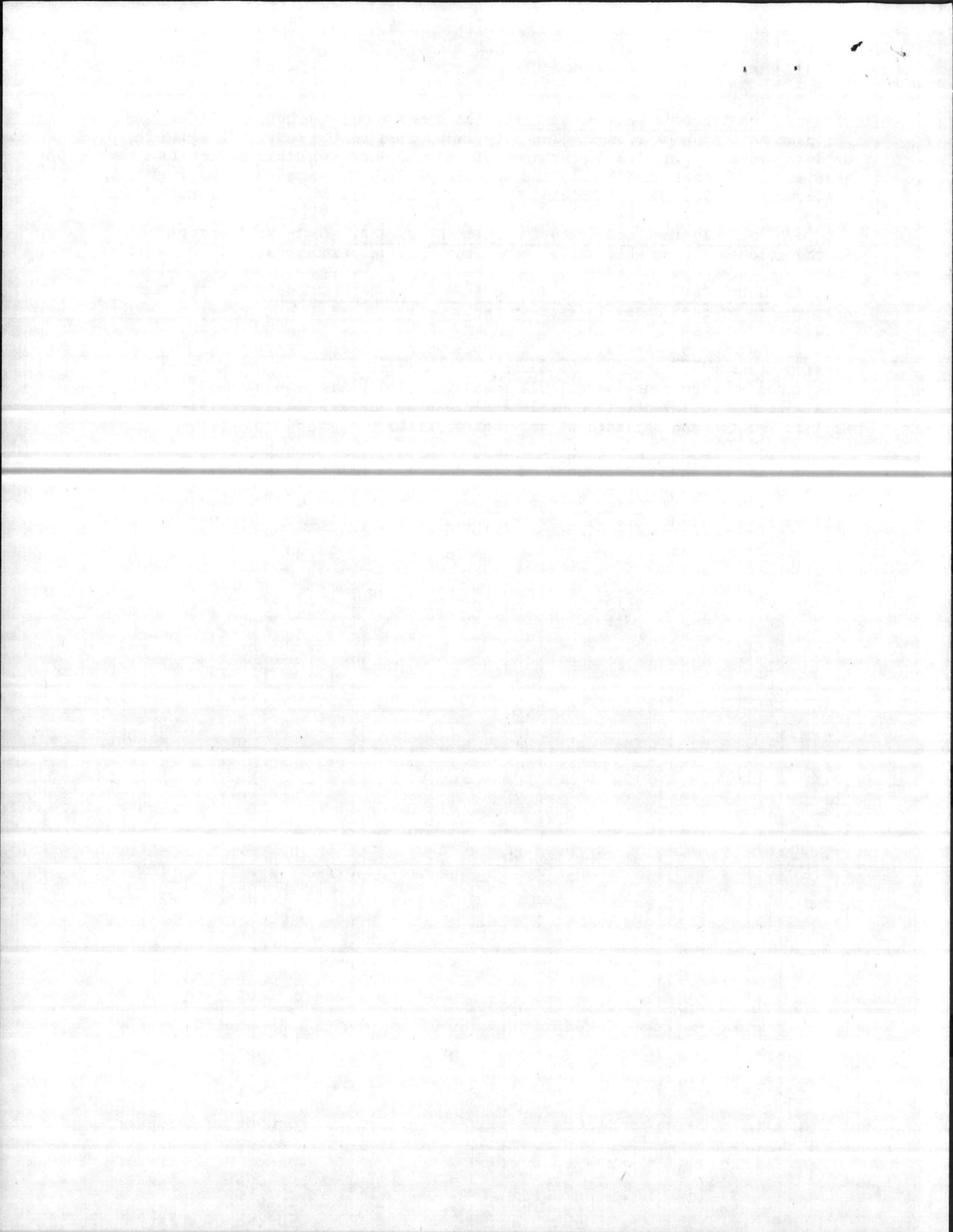
e. Archeological and Historic Preservation Act. There are no structures in the immediate area which have been identified as historic sites.

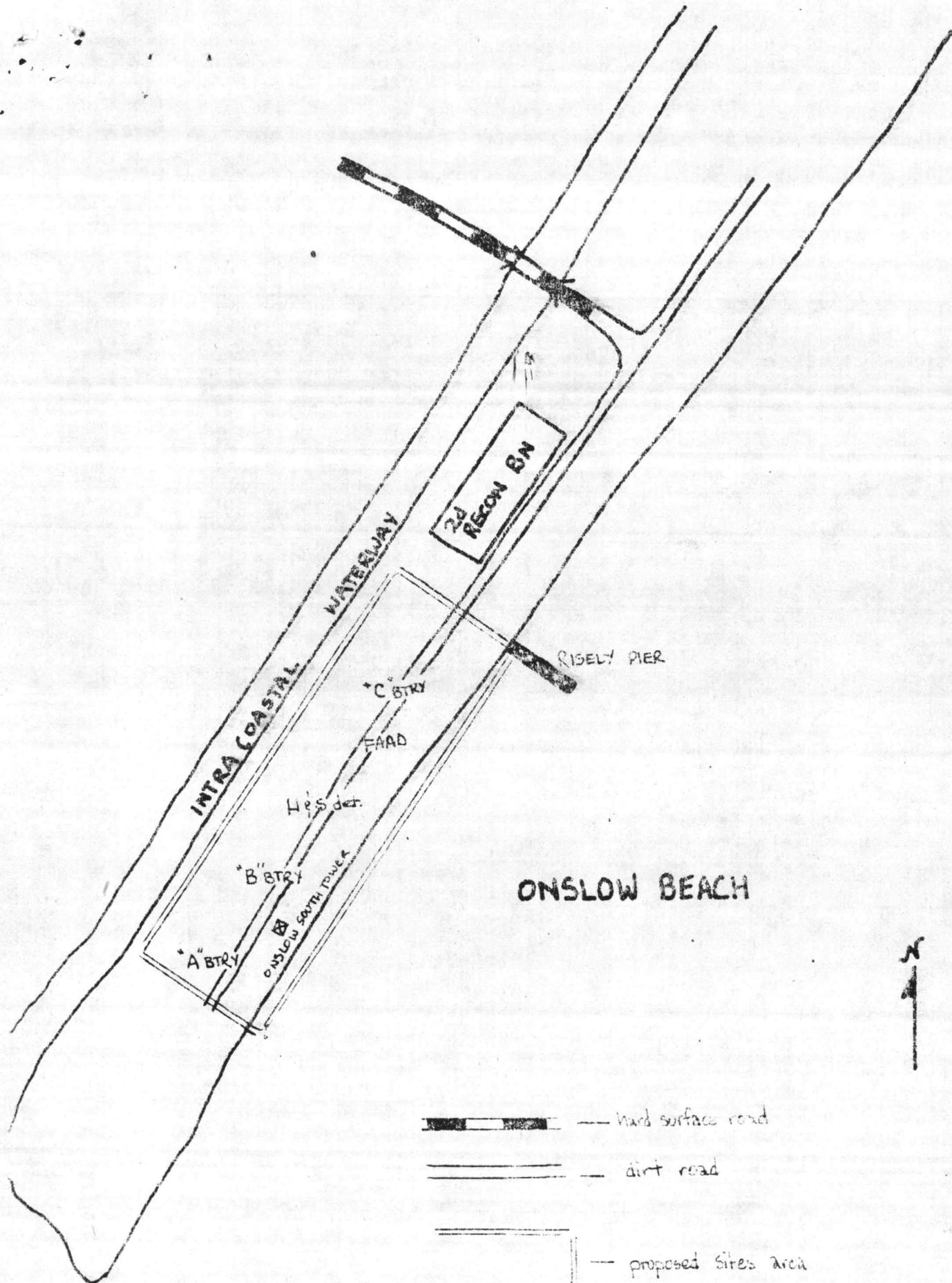
f. North Carolina Erosion and Sedimentation Regulations. No significant disturbance of sand dunes is anticipated.

g. Hazardous Materials and Hazardous Waste Disposal. All fuels and explosive ordnance located on the beach will be located at designated sites in authorized storage containers. Oil spill reaction teams have been organized, with adequate equipment, to contain and clean up any oil spill. Porta-jons will be located and serviced at each battery site.

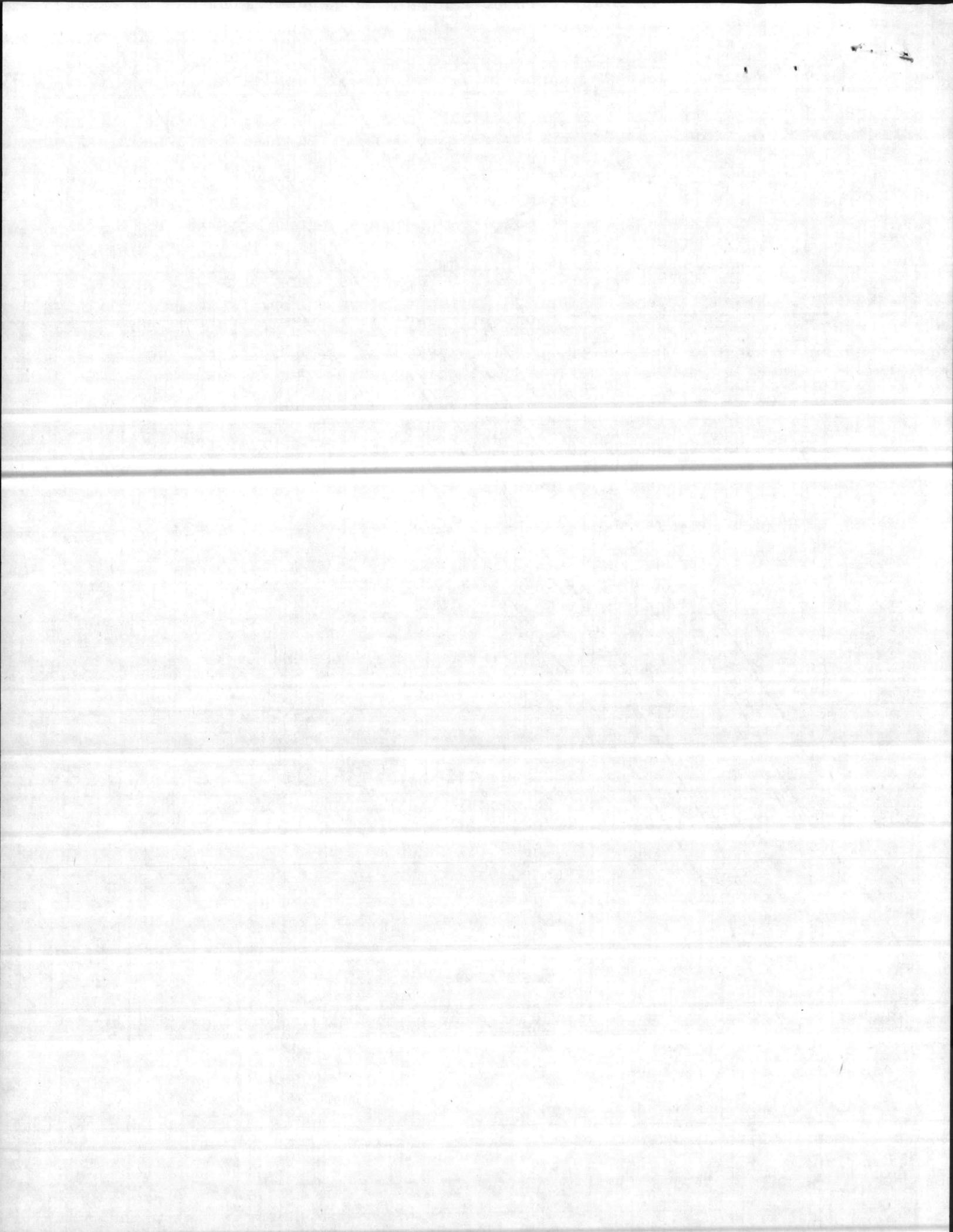
h. Protection of Wetlands, Executive Order 11990. Not applicable.

i. Sanitary Waste and Refuse Disposal. Porta-jons will be located at each battery site. Trash runs will be made daily using battalion motor vehicle assets.





NEW RIVER  
INLET



4:RBW:mkc  
11300  
14 Feb 1983

FIRST ENDORSEMENT on CO, 3d LAAM Bn ltr #:RJH:mb over 11300 dtd 11 Feb 1983

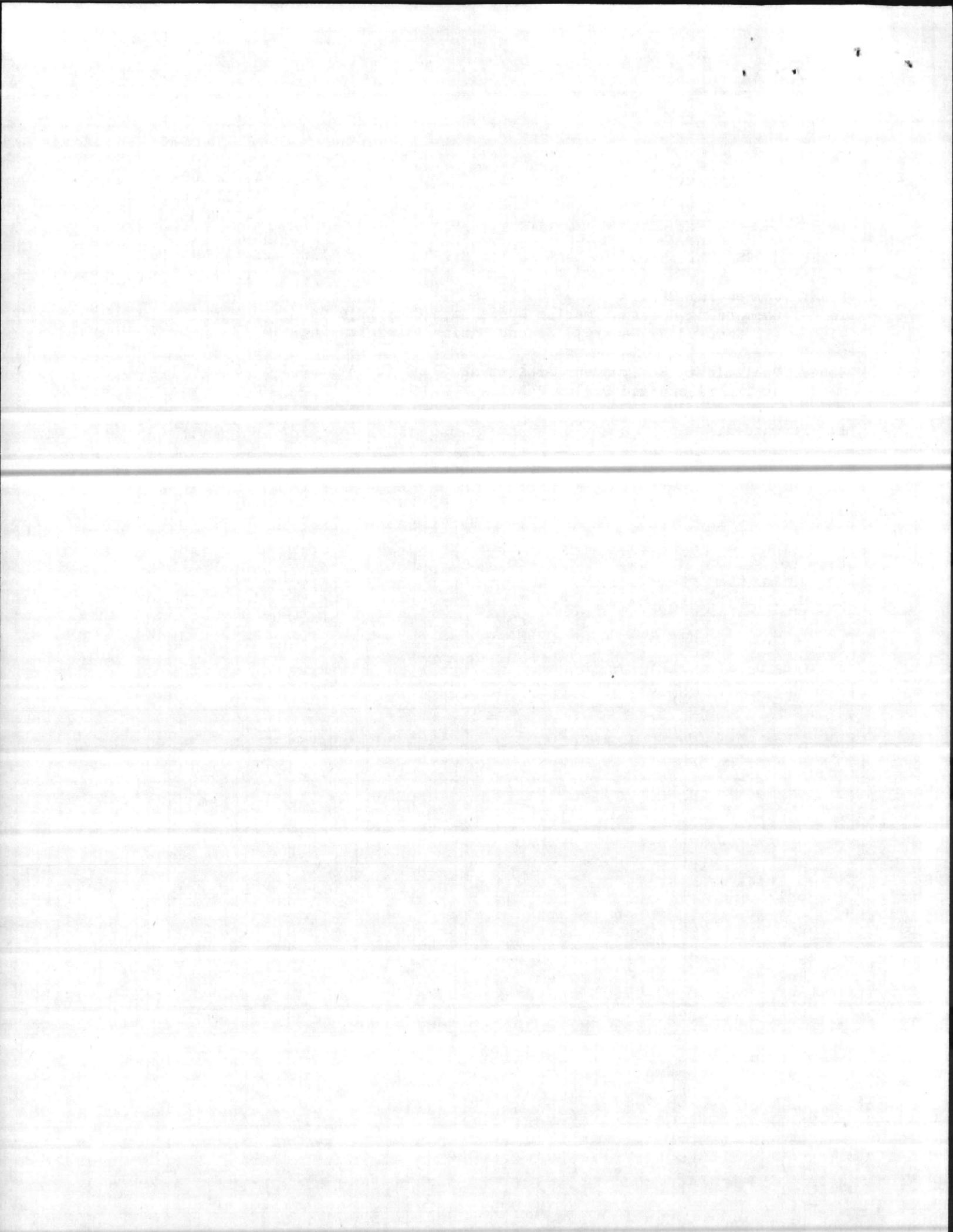
From: Commanding Officer  
To: Commanding General, Marine Corps Base Camp Lejeune  
Via: (1) Commanding General, Second Marine Aircraft Wing

Subj: Preliminary Environment Assessment (PEA) for AVELEX 2-83/Solid Shield  
at TLZ Falcon and Onslow Beach.

1. Forwarded.

N. P. BOURRE  
By direction

Copy to:  
CO, 3d LAAM Bn  
CO



UNITED STATES MARINE CORPS  
3d Light Antiaircraft Missile Battalion  
Marine Air Control Group-28  
2d Marine Aircraft Wing, Fleet Marine Force, Atlantic  
Marine Corps Air Station, Cherry Point, N. C. 28533

4:RJH:mb  
11300  
11 Febuary 1983

From: Commanding Officer  
To: Commanding General, Marine Corps Base Camp Lejeune  
Via: (a) Commanding Officer, Marine Air Control Group-28  
(2) Commanding General, Second Marine Aircraft Wing

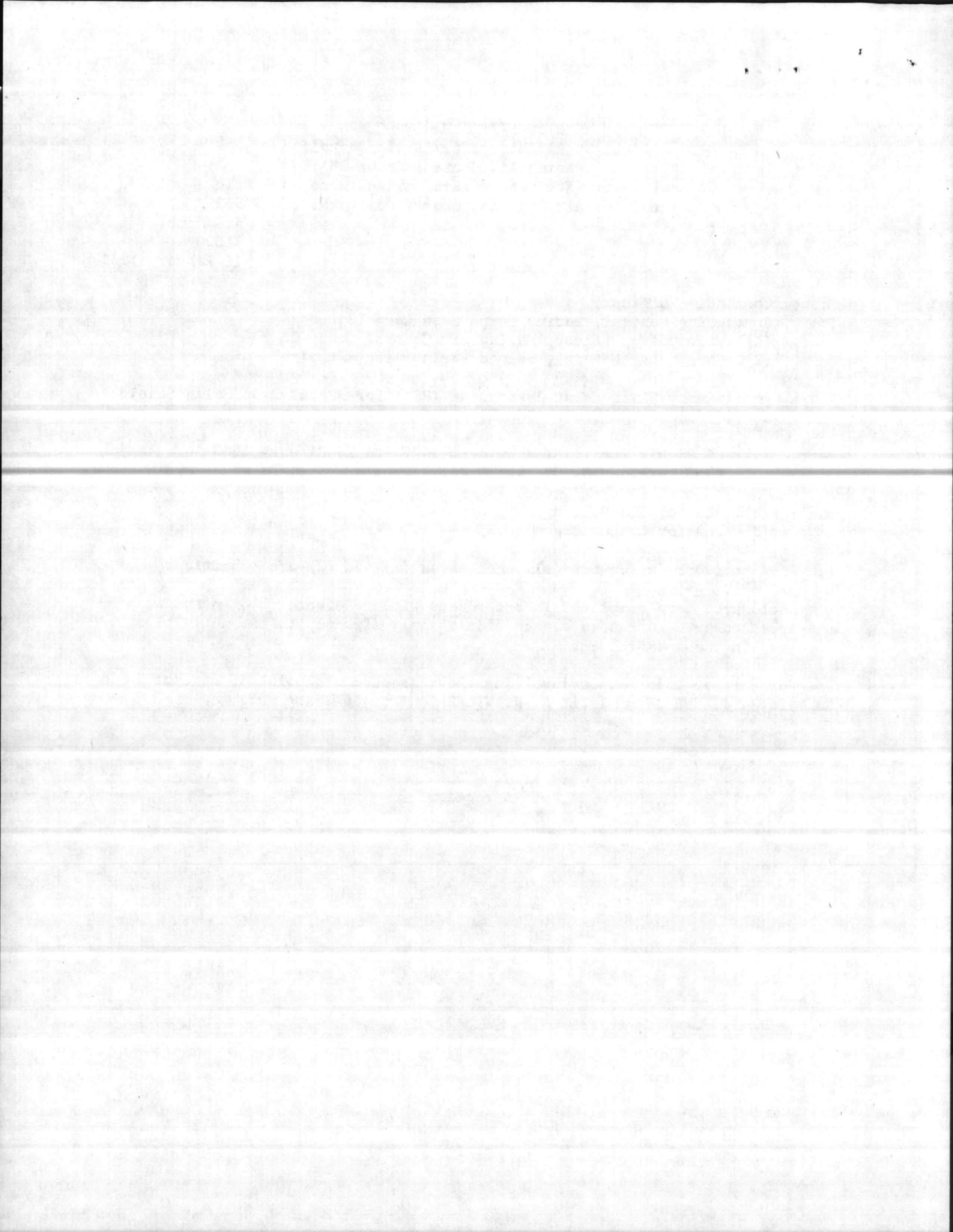
Subj: Preliminary Environment Assessment (PEA) for AVELEX 2-83/Solid Shield  
at TLZ Falcon and Onslow Beach.

Ref: (a) CG 2d MAW ltr 15/BTM/bew over 5420 dtd 25 January 1983  
(b) Camp Lejeune, N. C. Base Order 11000.1A

Encl: (1) PEA for TLZ Falcon  
(2) PEA for Onslow Beach

1. As directed by reference (a), enclosures (1) and (2) are submitted.
2. Enclosures were completed in accordance with reference (b). A number of the areas covered in the reference didn't apply directly to the activities involved in these exercises.
3. For further information involving these assessments point of contact is Captain R. J. HUBERT or 1stLt J. R. WILKERSON at 466-2528/5292.

R. J. HUBERT  
By direction



TTC 2003 10/11

## Preliminary Environmental Assessment for TLZ Falcon

### 1. Action?/ Project Description

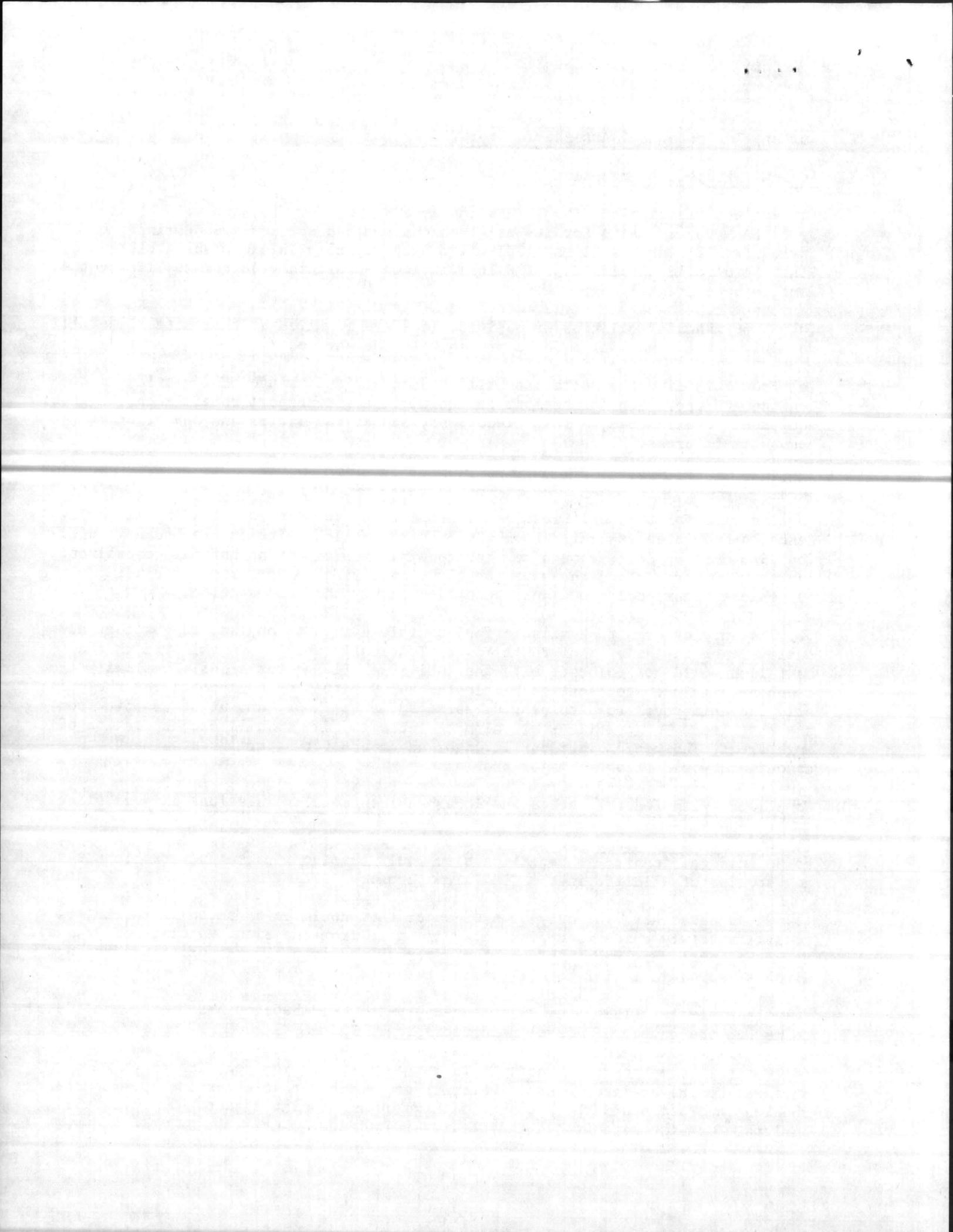
- (a) Project Description. The TLZ Falcon area at MCB Camp Lejuene will be used by 3d LAAM Bn as a site for its main headquarters and service area during the period from 21 March - 11 May 1983 while participating in exercises AVELEX 2-83, FIREX and Solid Shield 83. TLZ Falcon is located within grid square 9128 of the Camp Lejuene Special Map.
- (b) No permanent facilities or modifications are required at this site. Site will be a bivouac and work area for approximately 300 Marine.
- (c) From this site the Battalion will conduct its full range of logistic, maintenance and operational functions to include motor transport repair shop, engineer equipment repair areas, a full field mess, shower facilities and operational headquarters areas.

### 2. Consideration of Alternatives and Site Selection.

- (a) The site for this unit requires accessibility to main road leading to Onslow Beach, and an area separated from the battery tactical site on the beach itself. The site must be large enough to provide a maximum amount of natural concealment for the 300 Marines and the seven or eight consolidated work areas including a 40 vehicle motor pool and a full battalion supply and mess section.
- (b) The only other site available for possible use is to emplace the battery along Onslow Beach in the area of Shath Tower. Tactically this is unrealistic as the battalion would not colocate with the individual firing batteries. Physically the beach area is much too soft to handle the heavy battalion equipment, and there is only one unimproved road to provide service for the heavy amount of traffic from the battalion. The traffic would also be increased due to a linear separation of work areas. The beach provides little or no chance for natural concealment and camouflage would become a major problem.

### 3. Compliance with federal, state and local environmental regulations and guidelines.

- (a) Endangered Species. Use of TLZ Falcon by endangered species of animals appears to be insignificant. The battalion site would have no apparent adverse impact on any species of wildlife in the TLZ Falcon area.
- (b) Clean Water Act. The only area of water that could be affected is the inter-coastal waterway which is approximately 1/4 mile from the site. Majority of drainage from the camp areas run away from the waterway and into already existing drainage ditches. Porta-jons will be utilized at the site.
- (c) Clean Air Act. The power distribution system for the camp has been consolidated to reduce the number of diesel generators to a minimum.
- (d) Coastal Zone Management Act. There is no direct or indirect impact on tidal marshes, beaches or inter coastal waterway areas other than the noise from constantly running generators and the presence of high energy radiating antennae which will be located at the site itself and clearly identified.



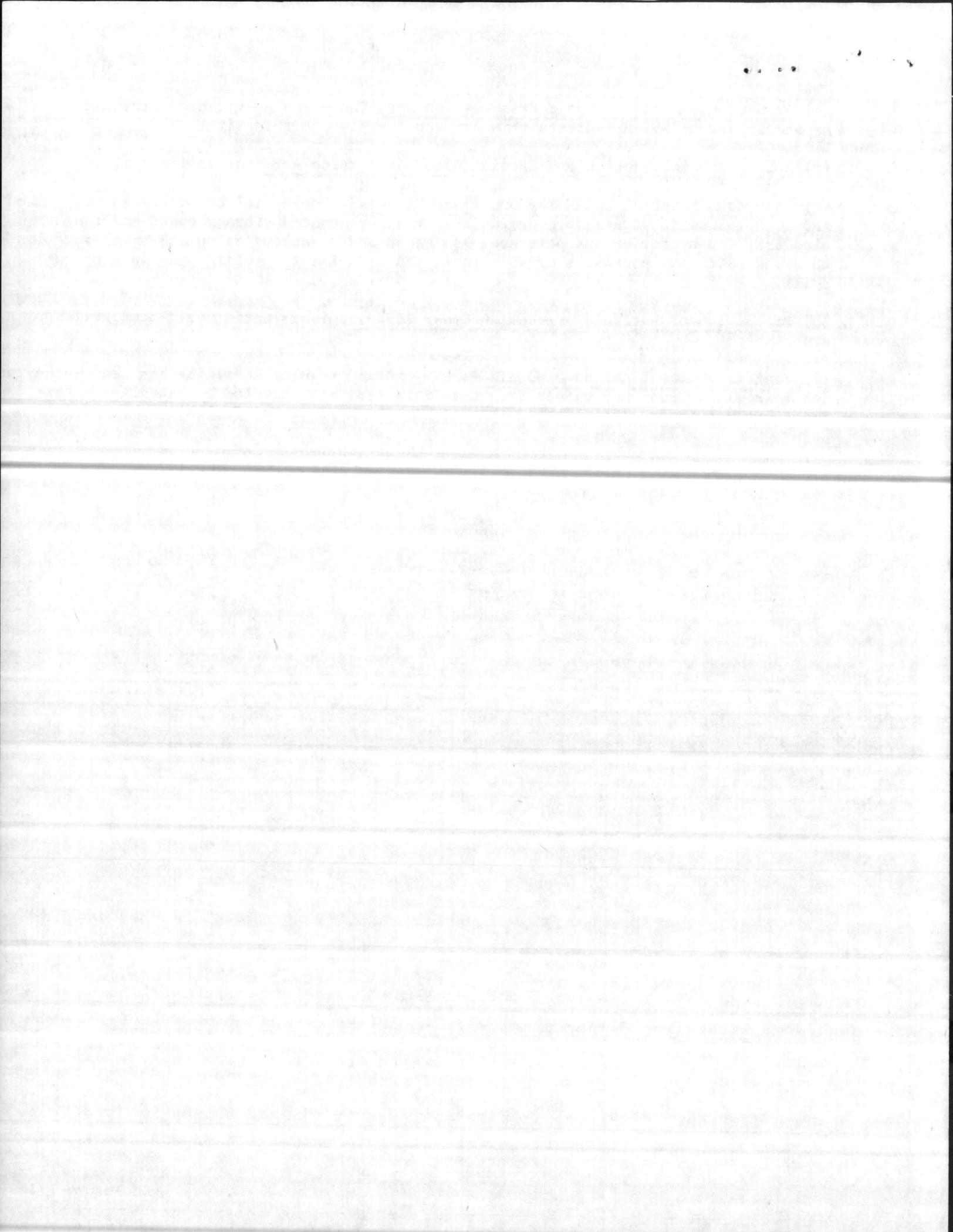
(e) Archeological and Historic Preservation Act. There are no visible structures or special areas which indicate this Act would apply to this site.

(f) North Carolina Erosion and Erosion and Preservation Act. Not applicable.

(g) Hazardous Material and Hazardous Waste Disposal. Fuels will be stored in authorized and well maintained containers; refuelers, trailer mounted storage tanks and fuel bladders. The battalion has personnel assigned and organized as an oil spill reaction team and battalion possesses organic tools and material to contain and clean up fuel spill.

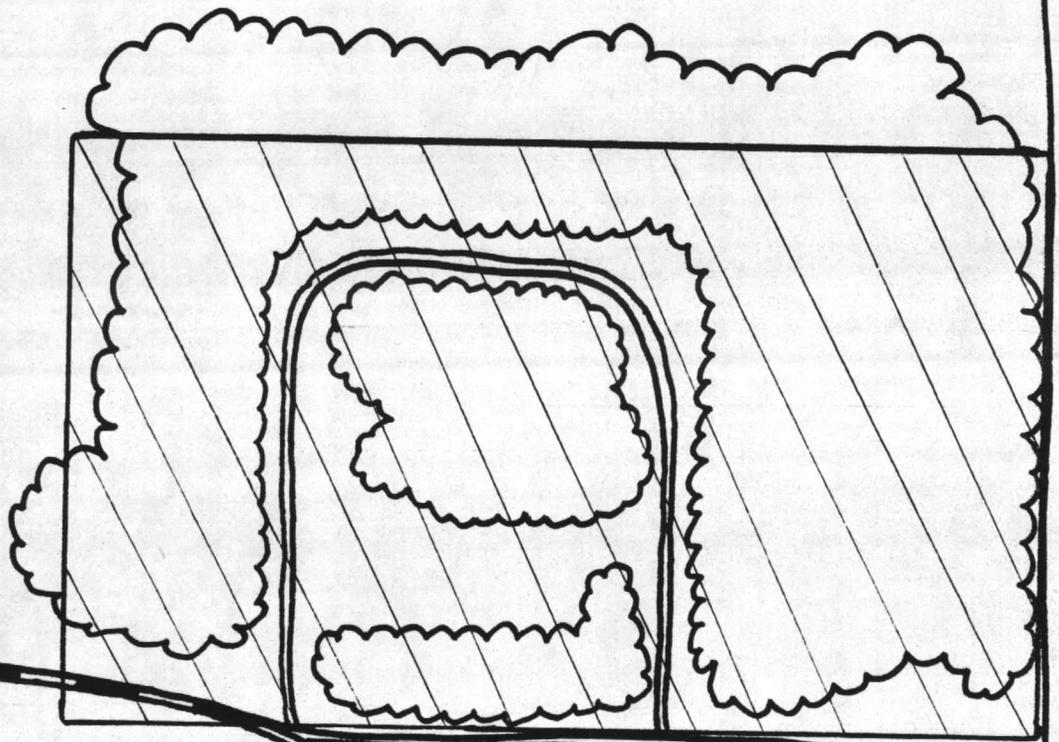
(h) Protection of Wetlands, Executive Order 11990. This is not a designated wetlands area.

(i) Sanitary Waste & Refuse Disposal. Porta-jons and regular servicing has been requested for this site. Trash and refuse from the field mess will be handled by battalion motor transport assets and additional dumpsters have been requested for this site.

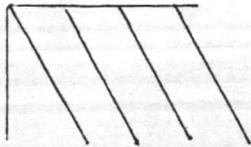




TLZ FALCON



INTRA COASTAL WATERWAY

-  — hard surface road
-  — dirt road
-  — wooded area
-  — proposed site area

