

UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542-5001

5420/2

FAC

APR 9 8 1987

From: Chairman, Environmental Impact Review Board

Subj: MEETING OF ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD

Ref: (a) Chmn, EIRB ltr 5420/2 FAC dtd 19 Mar 87

Encl: (1) CG, 2d MarDiv ltr 11000 G-4 ENGR dtd 30 Mar 87 w/encl

1. Please note the subject meeting is rescheduled for 10 April 1987, at 1300, Building 1 Conference Room.

2. Additional agenda items to be discussed are the proposed Soviet Strong Point per the enclosure and the expansion of the Engineer Equipment Operations Course (EEOC) at Marine Corps Engineer School. A detailed information briefing on the EEOC will be provided at the meeting.

3. POC is Mr. Alexander, extension 3034.


- T. J. DALZELL

DISTRIBUTION:

(Members)

Rep, 2dMarDiv (G-4) (w/o encl)

Rep, 2d FSSG (G-4)

Rep, 6th MAB (G-4)

Rep, MCAS, NR (S-4)

TFACO

BMO

PWO

(Advisors)

Dir, NREA

SupvEcologist

BWildlifeMgr

BGameProtector

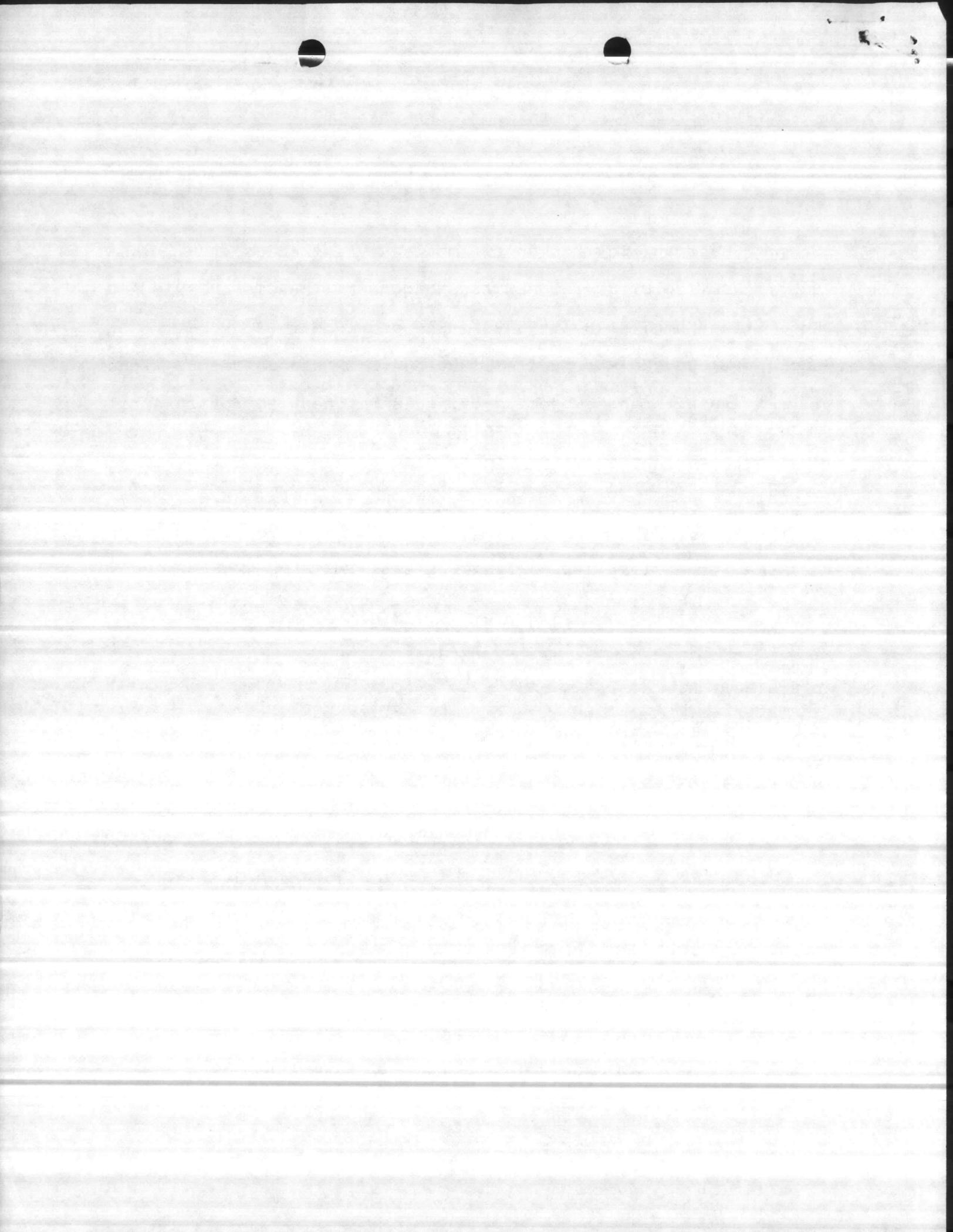
SAFD

SJA

DRMO

CH, VetMedSvc, NH

CG, Occup/PrevMed, NH





UNITED STATES MARINE CORPS
2d Marine Division, Fleet Marine Force
Camp Lejeune, North Carolina 28542-5500

IN REPLY REFER TO

11000
G-4 ENGR
30 MAR 1987

From: Commanding General, 2d Marine Division, FMF
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina (Attn: AC/S Facilities)

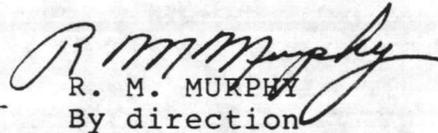
Subj: ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD

Ref: (a) BO 11000.1B
(2) PHONCON btwn DivEngrO and Base Environmental Officer on 17 Mar 87

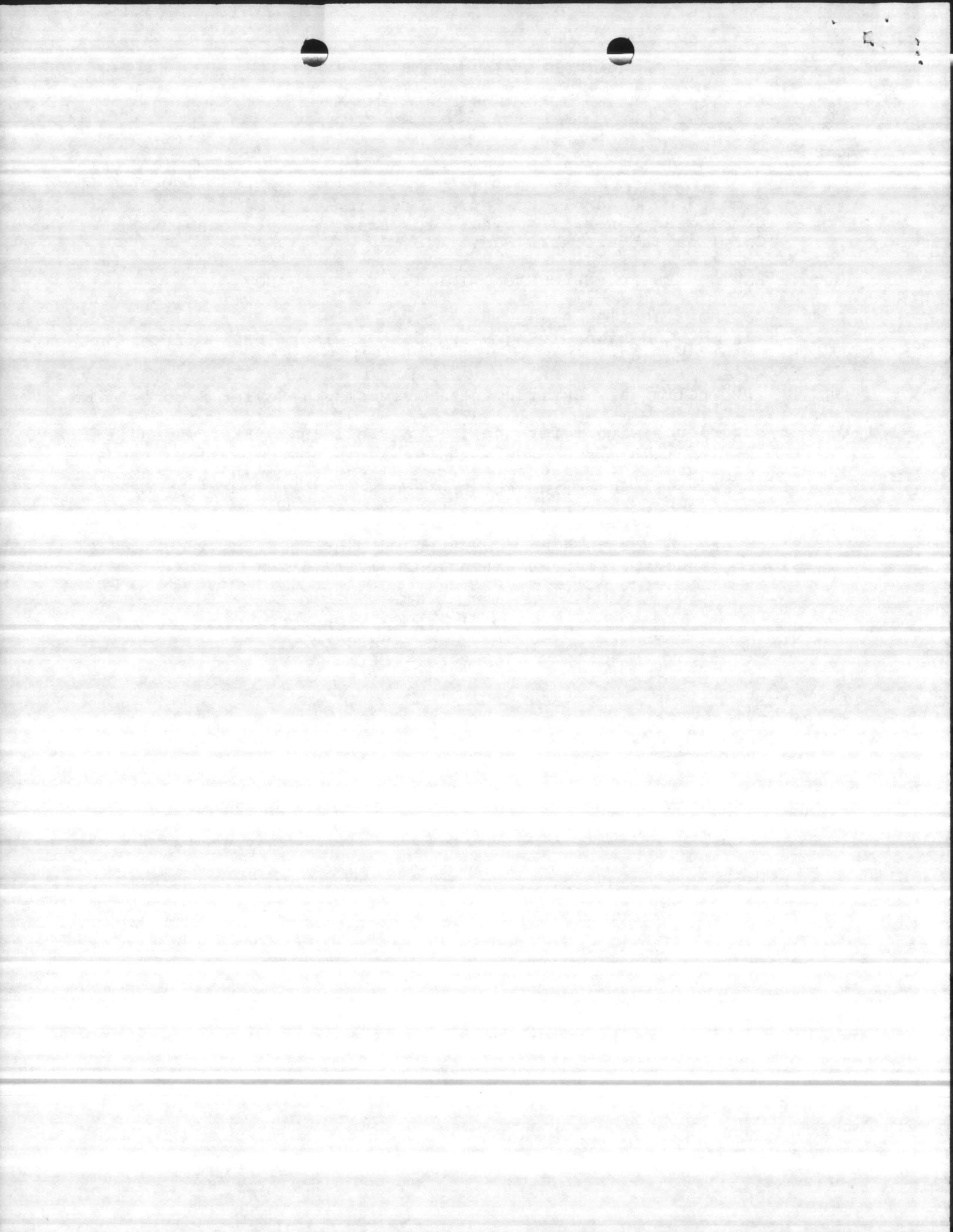
Encl: (1) Preliminary Environmental Assessment, Soviet Strong Point

1. In accordance with reference (a), a Preliminary Environmental Assessment (PEA) has been completed for the proposed Soviet Strong Point. As requested during reference (b), this command desires to have the PEA reviewed during the Environmental Enhancement/Impact Review Board schedule for 9 April 1987.

2. Point of contact this headquarters is Captain J. M. Reuter, Division Engineer Officer at extensions 5111/2755.


R. M. MURPHY
By direction

Copy to:
AC/S, G-3T
CO, 2d CEB



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW OF THE
PROPOSED MECHANIZED MOVEMENT COURSE

1. Action Sponsor: Division Engineer, 2d Marine Division, FMF
2. Name, Address, Phone Number of Point of Contact: Captain J. M. Reuter, 2d Marine Division, FMF, 5111/2755
3. Title and Brief description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

SOVIET COMPANY STRONG POINT

a. The Soviet Company Strong Point Facility is required to create a realistic deliberate defensive complex to train mechanized and non mechanized elements of the Marine Air Ground Task Force (MAGTF) in obstacle breaching techniques and offensive tactics.

b. Partial completion is desired by May 1987. Full completion is desired by September 1987.

c. The location of the proposed site of the Soviet Strong Point Facility is in the HA/HD area bounded by the following grid coordinates:

860345; 858341; 878335; 877333

d. Environmental protection measures proposed include measures needed to prevent silt run off into wet lands.

4. Location: See enclosed map.
5. Potential Environmental Impact/Considerations (See Note 1)

a. Air Quality:

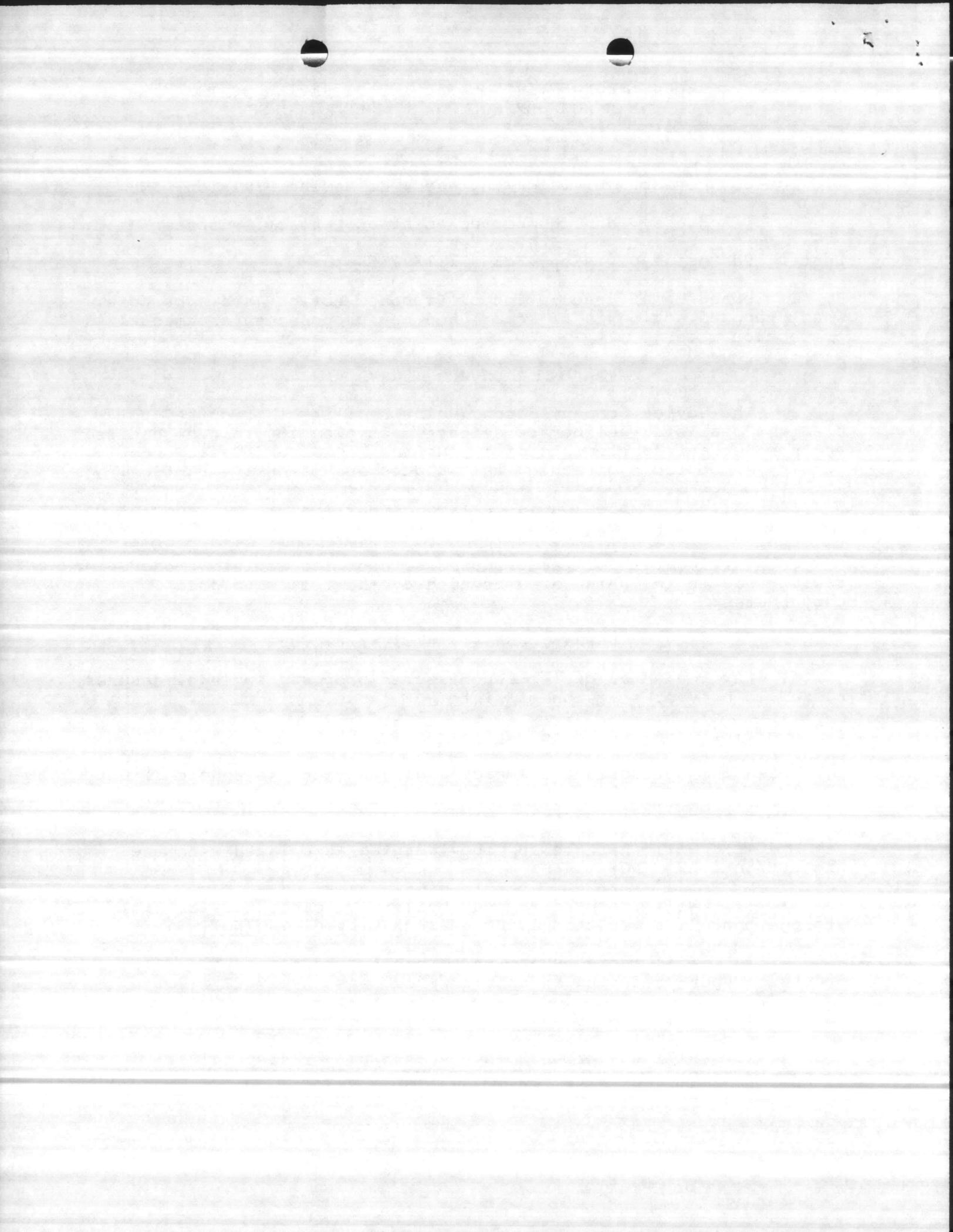
(1) Will there be any open burning associated with the project/action? (NO)

(2) Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons provided)? (NO)

(3) Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? (NO)

(4) Will the project cause dust problems? (NO)

(5) Will the project involve the use or disposal of asbestos? (NO)



b. Land Quality:

(1) Will the action require use of significant amount of earth fill material? (NO)

(2) Will there be an increase in level of soil disturbance/damage of vegetation? (YES)

(3) Will there be one acre or more of land cleared/distrubed? (YES)

c. Groundwater Quality:

(1) Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? (NO)

(2) Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? (NO)

(3) Will there be any wells dug or any excavations deeper than twenty feet? (NO)

(4) Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? (NO)

(5) Will there be a net increase of solid waste caused by implementing the project/action? (NO)

(6) Will the project or action be carried out within 200 feet of a drinking water supply well? (NO)

d. Surface Water Quality:

(1) Is the project located on or in a water body or adjacent 100-year flood plain? (NO)

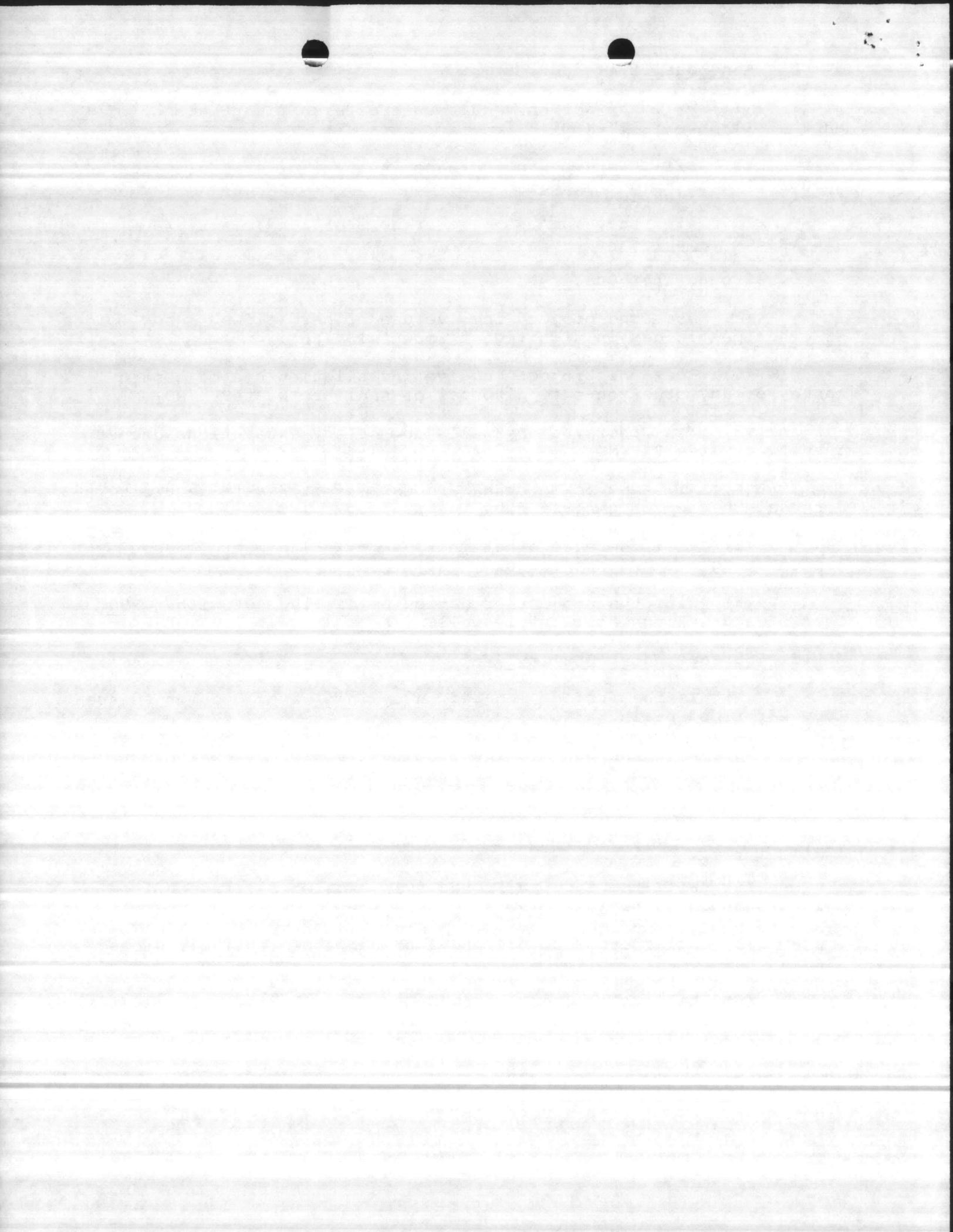
(2) Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? (NO)

(3) Will all waste water be connected to sanitary sewer? (--)

(4) Will there be an increase in erosion/silitation from soil distrubing activity? (NO)

(5) Will petroleum oil and lubricants be routinely stored or used at the site? (NO)

(6) Will the project increase rates of surface/storm water run-off? (NO)



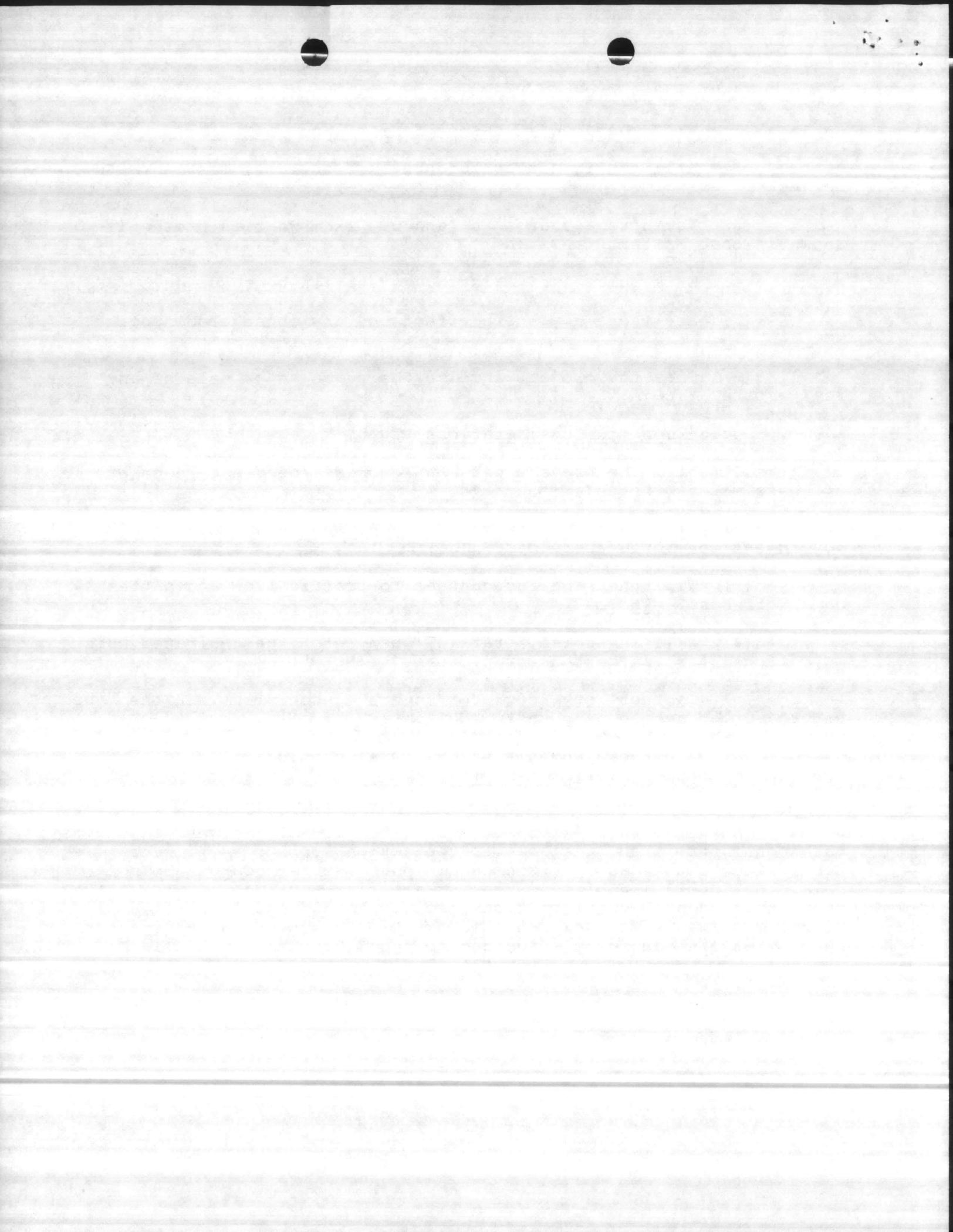
e. Natural Resources:

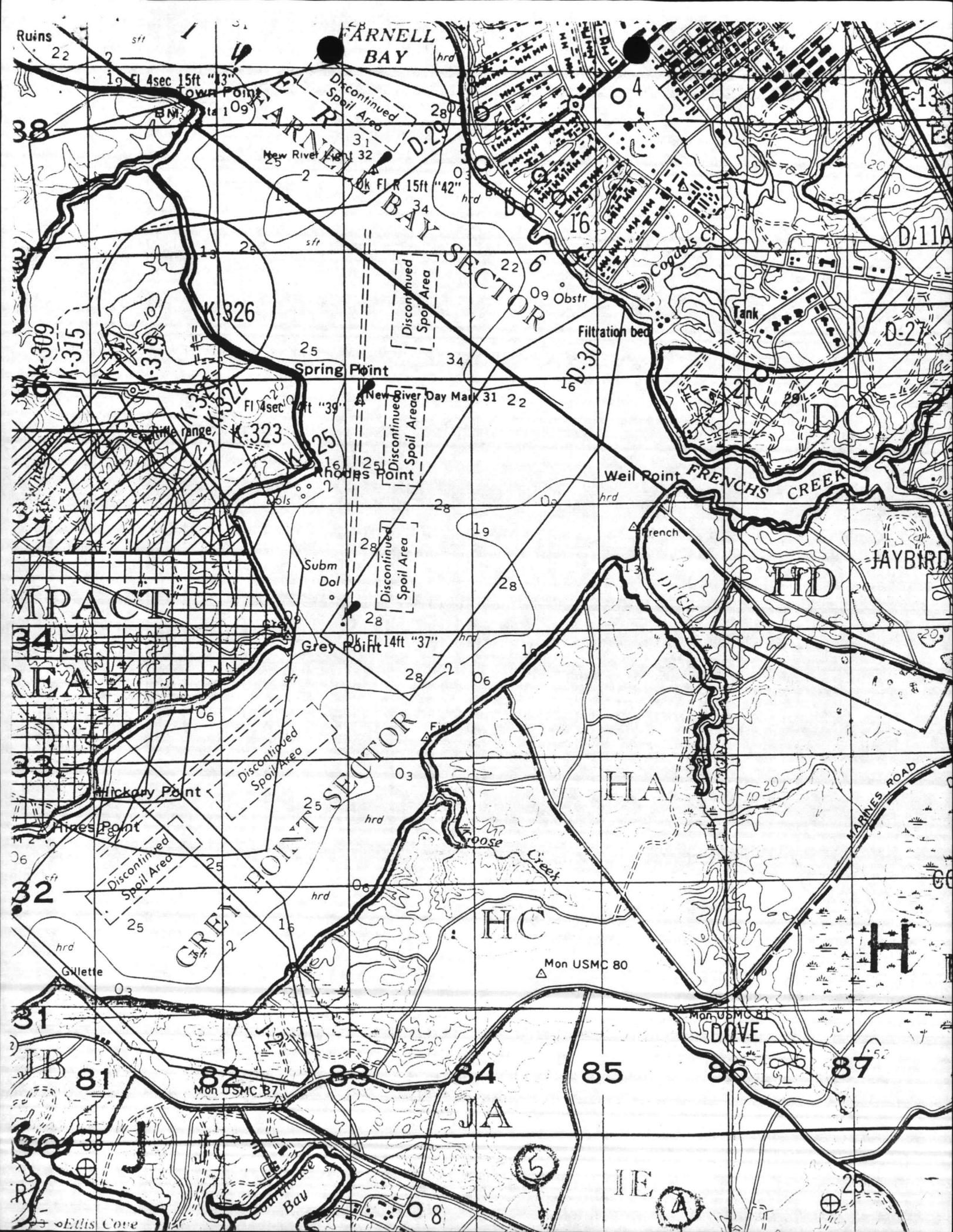
- (1) Will there be a loss of forest land? (YES)
- (2) Will public access for hunting, boating, fishing, etc., be restricted? (NO)
- (3) Is there a change in land use from what is presently shown in Base Master Plan? (NO)
- (4) Will removal of existing vegetation be required? (YES)
- (5) Are there any known effects on any endangered species? (NO)
- (6) Does the project involve the purchase or sale of any real estate? (NO)

f. Socio-Economic Considerations:

- (1) Will the project cause an increase/decrease in on or off-base military populations? (NO)
- (2) Will there be any increased demand on a local or state government to provide services? (NO)
- (3) Will there be any changes to traffic flow and patterns on or off base? (NO)
- (4) Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? (NO)
- (5) Is there any known controversy associated with the type of project or action/proposed? (NO)
- (6) Are there any historical or archaeological sites affected by project/action? (NO)

NOTE 1. Answer either "YES" or "NO" or "UNKNOWN". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRB.







REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or Mrs. M. G. Briley, MCAS, S-4 Office, Extension 6518 or 6686
3. FY 90 GENERAL WAREHOUSE PROJECT P-514

This project will provide a storage facility for Marine Corps property to support Base Operations.

Proposed construction is masonry and steel structure on reinforced concrete slab. Steam heat, fire protection, A/C for administration spaces, parking facilities and access roadway will be required.

The site is currently a wooded area along White Street as indicated on the attached drawing.

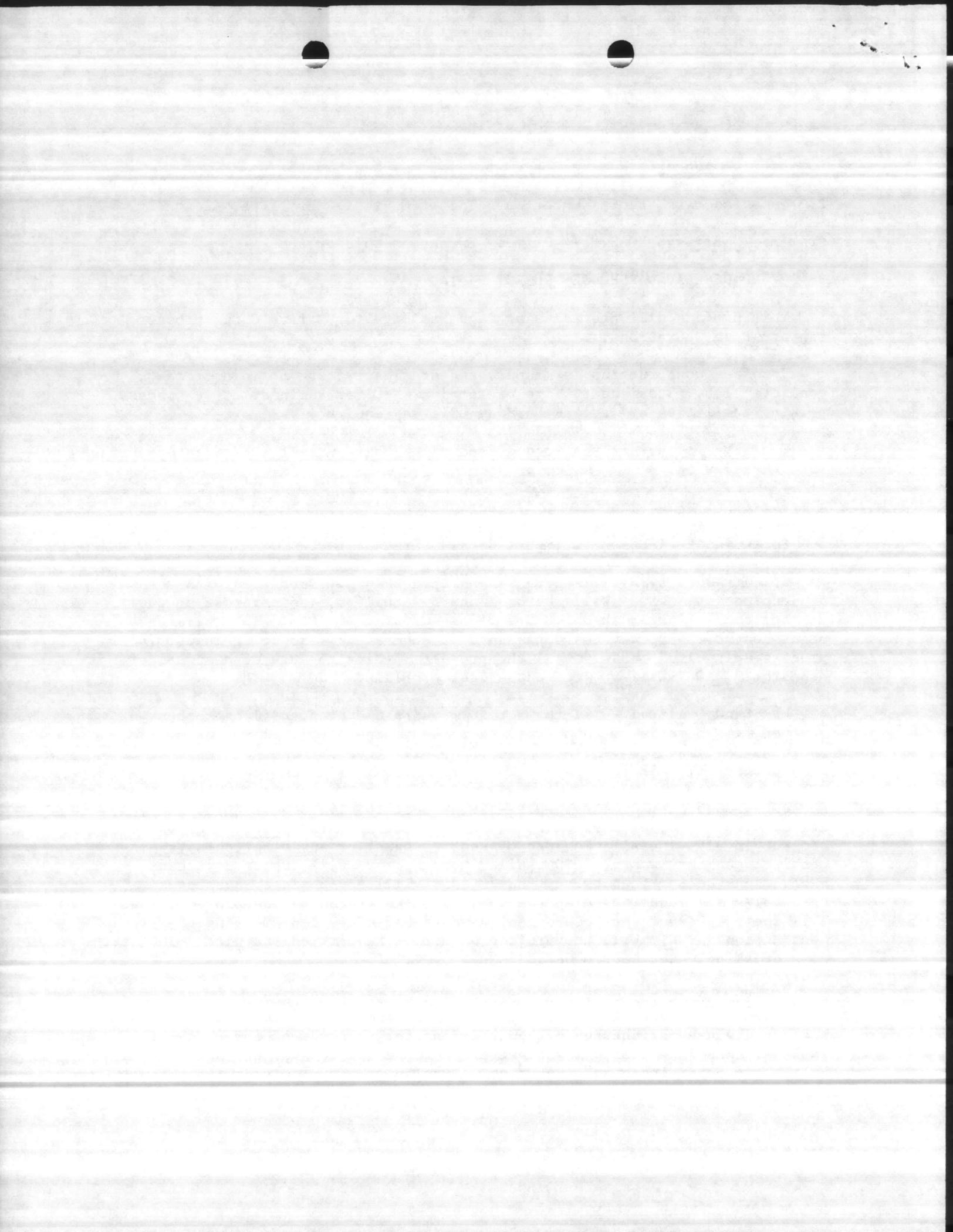
4. Location: See attached Site Location map.
5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO Will there be an increase in level of soil disturbance/damage to vegetation? YES Will there be one acre or more of land disturbed? YES

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any than excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

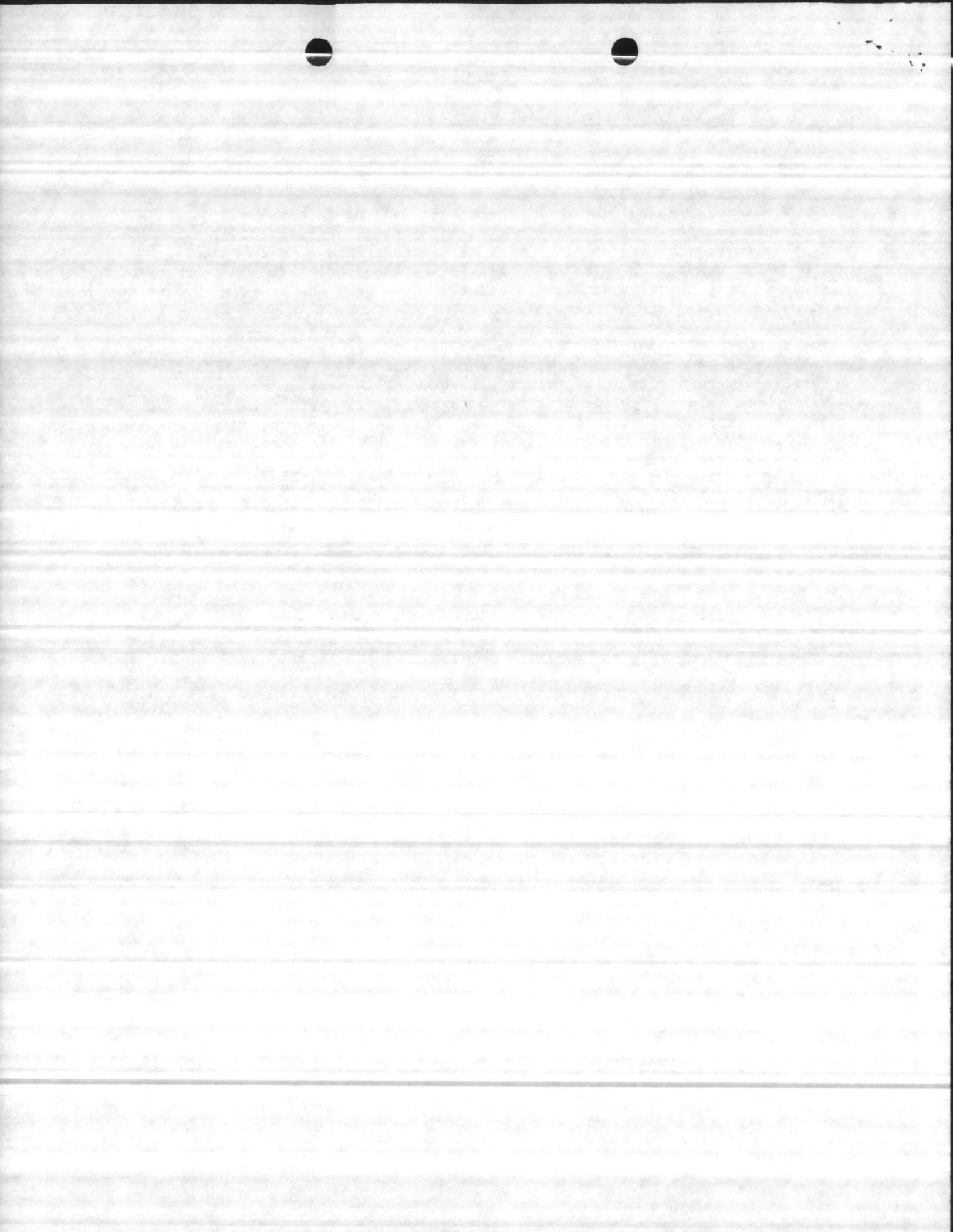
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? UNKNOWN Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? YES

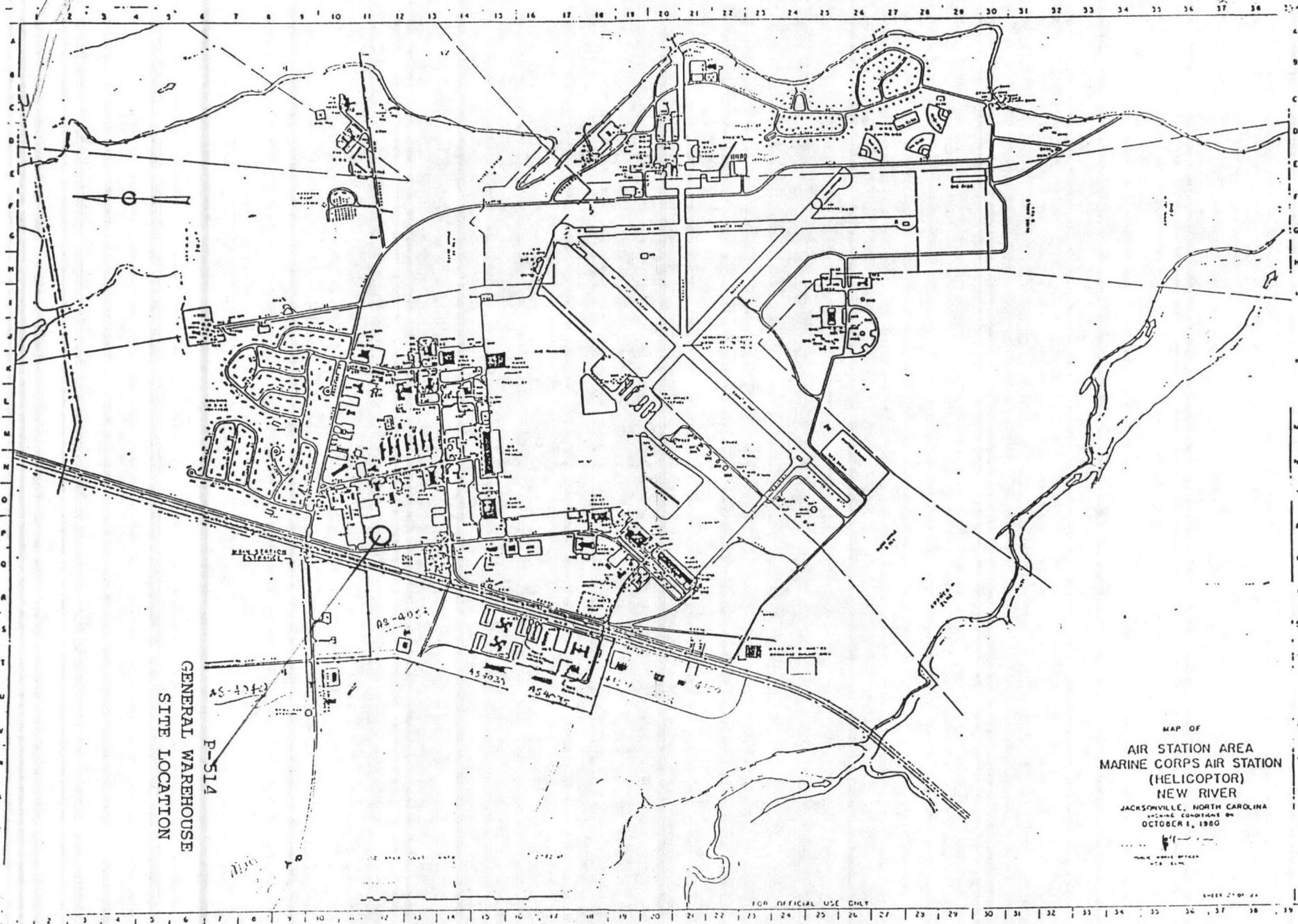


Will petroleum oil and lubricants be routinely stored or used at the site?
NO Will the project increase rates of surface/storm water run-off?
UNKNOWN

e. Natural Resources: Will there be a loss of forest land? YES Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any significant changes to traffic flow and patterns on or off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO





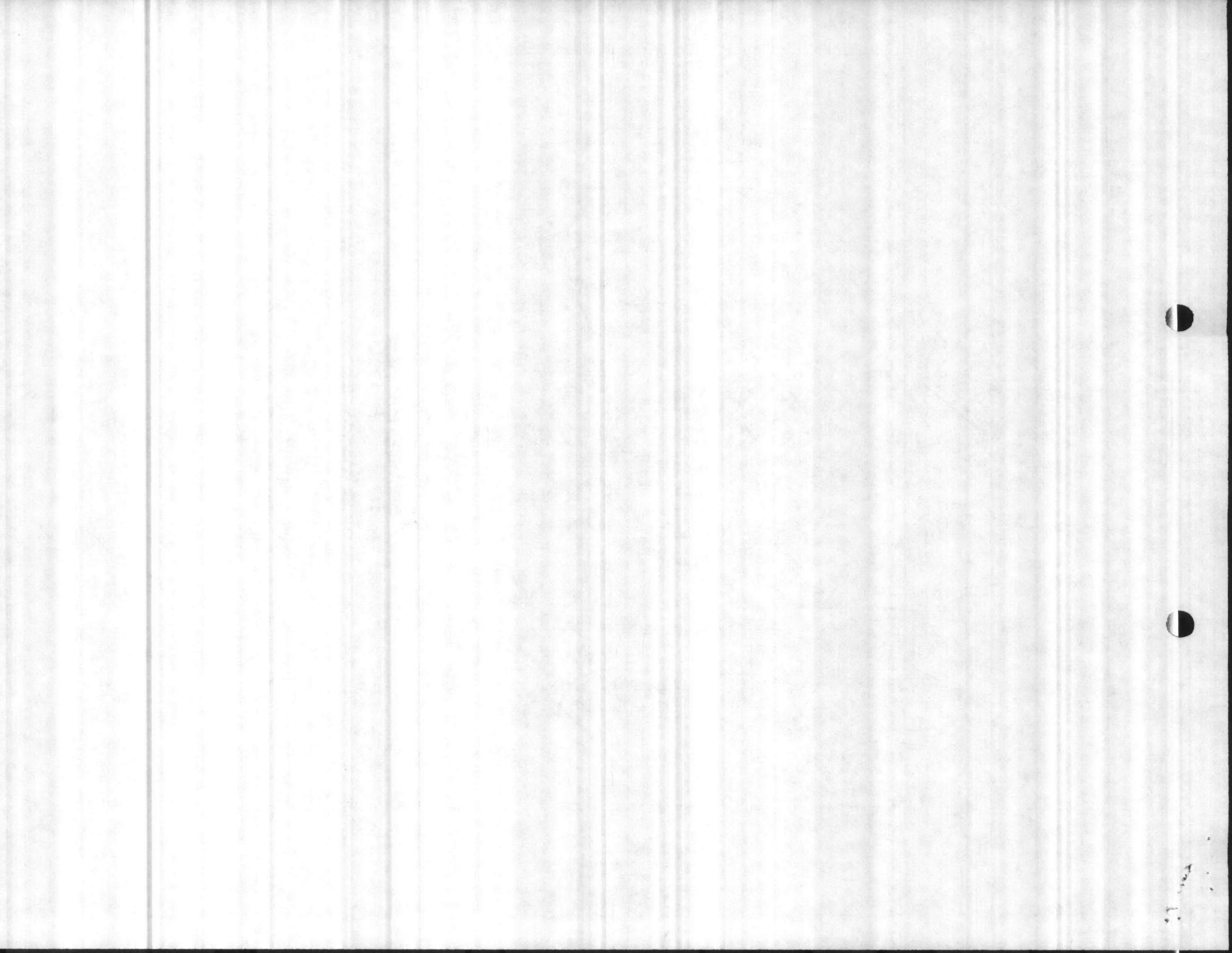
GENERAL WAREHOUSE
SITE LOCATION

P-514

MAP OF
AIR STATION AREA
MARINE CORPS AIR STATION
(HELICOPTOR)
NEW RIVER
JACKSONVILLE, NORTH CAROLINA
LOCATING COORDINATES ON
OCTOBER 1, 1960

FOR OFFICIAL USE ONLY

1:50,000



A G E N D A

ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD
Marine Corps Base
Camp Lejeune, NC

10 April 1987

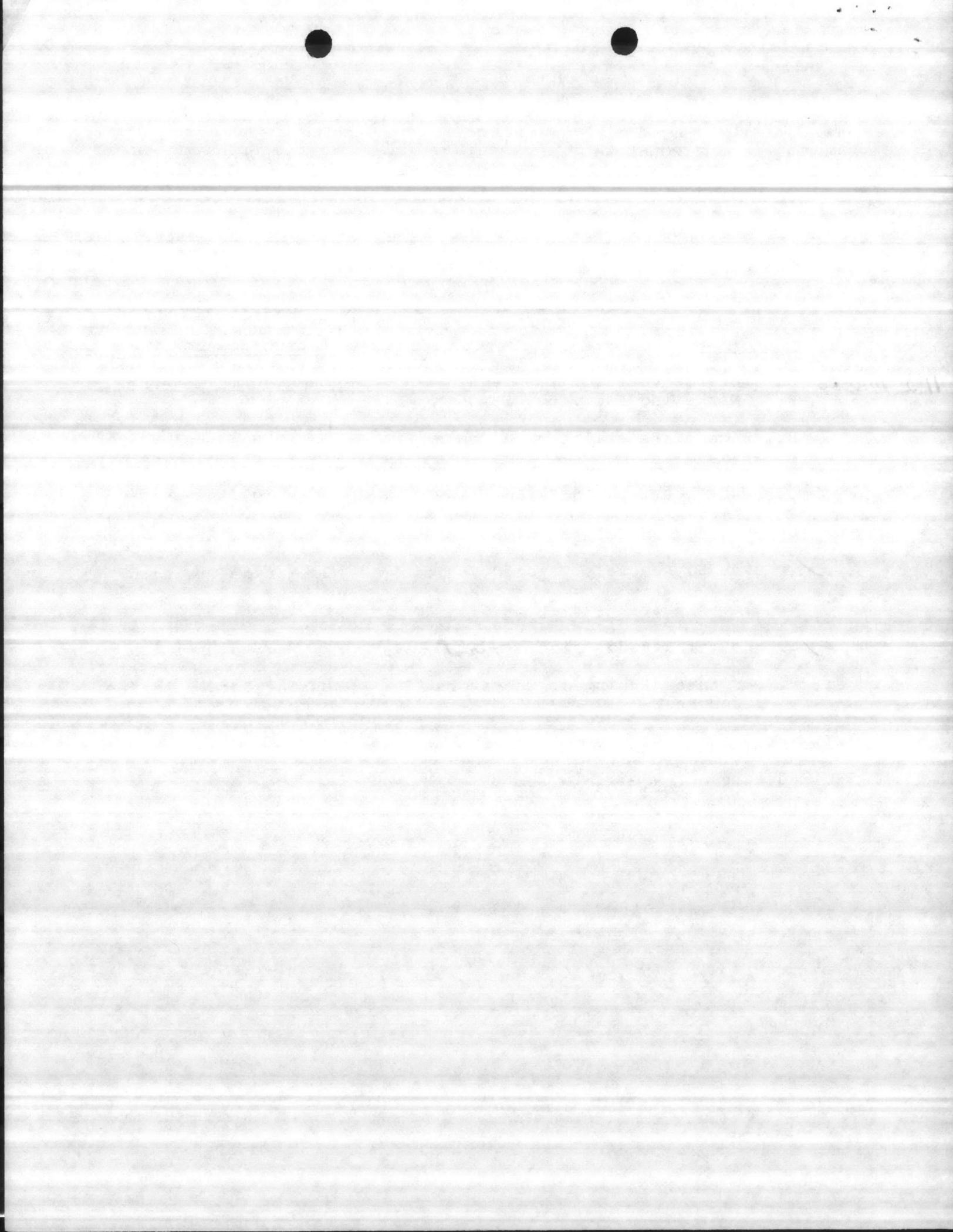
I. Call to order

II. Review of Preliminary Environmental Assessments (PEA)

	<u>Title</u>	<u>Action Sponsor</u>
<i>4</i>	A. Defense Reutilization and Marketing Facility, FY-90	DRMO, Camp Lejeune
<i>11.2 million</i>	B. Alcohol Rehabilitation Center, FY-92	Naval Hospital
<i>/</i>	C. P-517, Armory Addition, FY-90	MCAS, New River
	D. P-514, General Warehouse, FY-90	MCAS, New River
<i>/</i>	E. P-873, Remotely Piloted Vehicle	2d Marine Division
	F. Solid Shield - 87	CINCLant
<i>/</i>	G. Soviet Strong Point <i>Forest Fires</i>	2d Marine Division
	H. Engineer Equipment Operators Course	Marine Corps Engineer School

III. Comments by Members

IV. Adjourn



10 April 87

A. Construct over PCB's DDT DRMO Lot

G. Strong Point - Bridge Tom's Creek - evidence of old culverts
Road through RCW Habitat

Cost Estimate on Soviet Strong Pt
" " " Culvert, Bridges

C. [Armory - Hay Waste
Hay Waste Storage

F Spray paint - Fiberglass repair

Cyp plan for Solid Shield
page 17 - Mercury Battery
page 14 - Mant of vehicle - Waste oil

DOD in general

Contingency
use oil
Hay Waste
Solid Waste } Not in Solid Shield PEA
Compile appendix for covering
these issues

Our support mission is to let SENC LANT
know in future

H. Equipment pcs will double
Courthouse Bay area
Renewed Envo

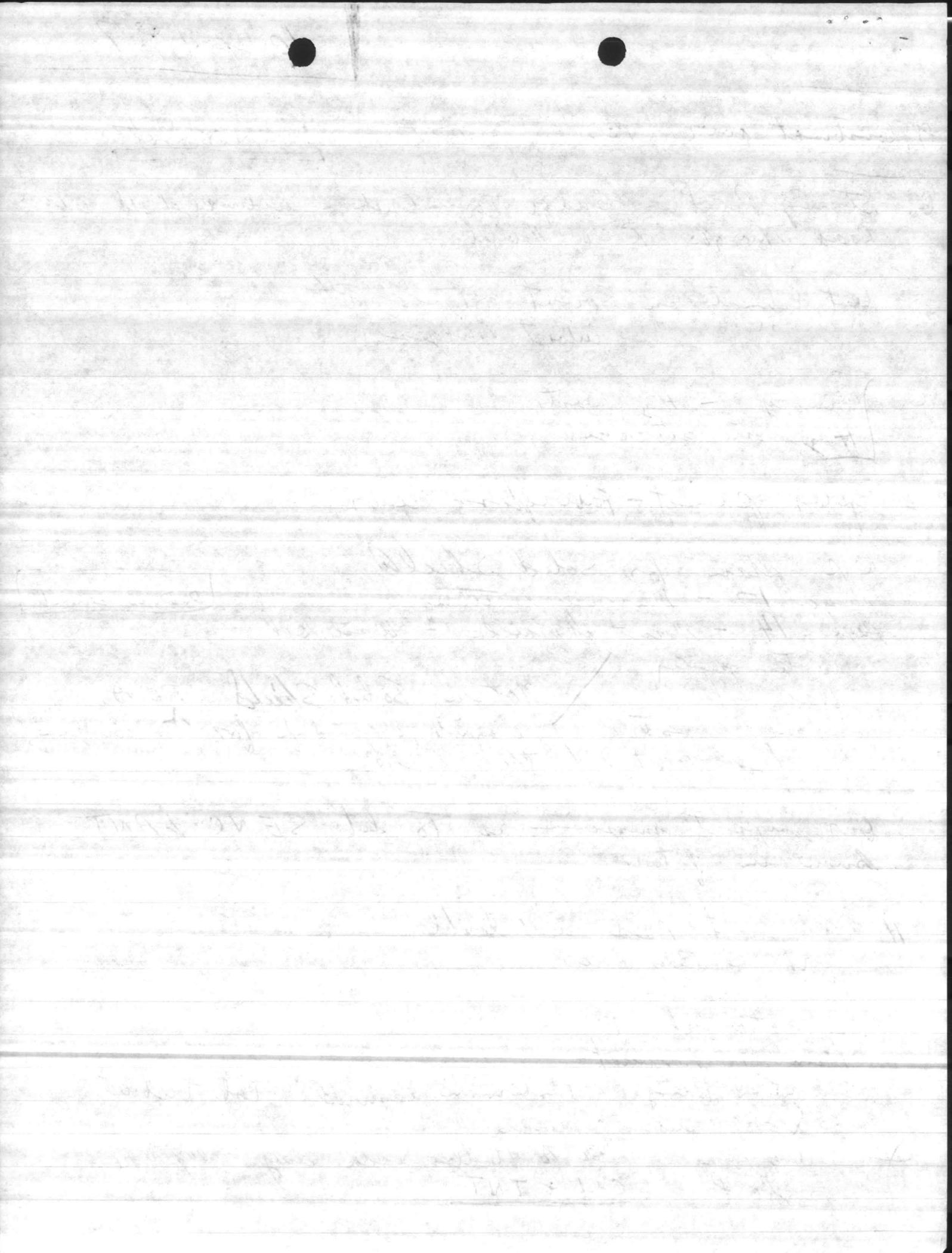
Operational FY. 88

Timber harvest

Dimolition Range - "Fisherman injured" Col Tiebout

500' x 300' Clearing circle

* 3 day/wh 30 to 40 lb each day 3 day whc
School C-4 + TNT



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

File

13 Oct 87
Date

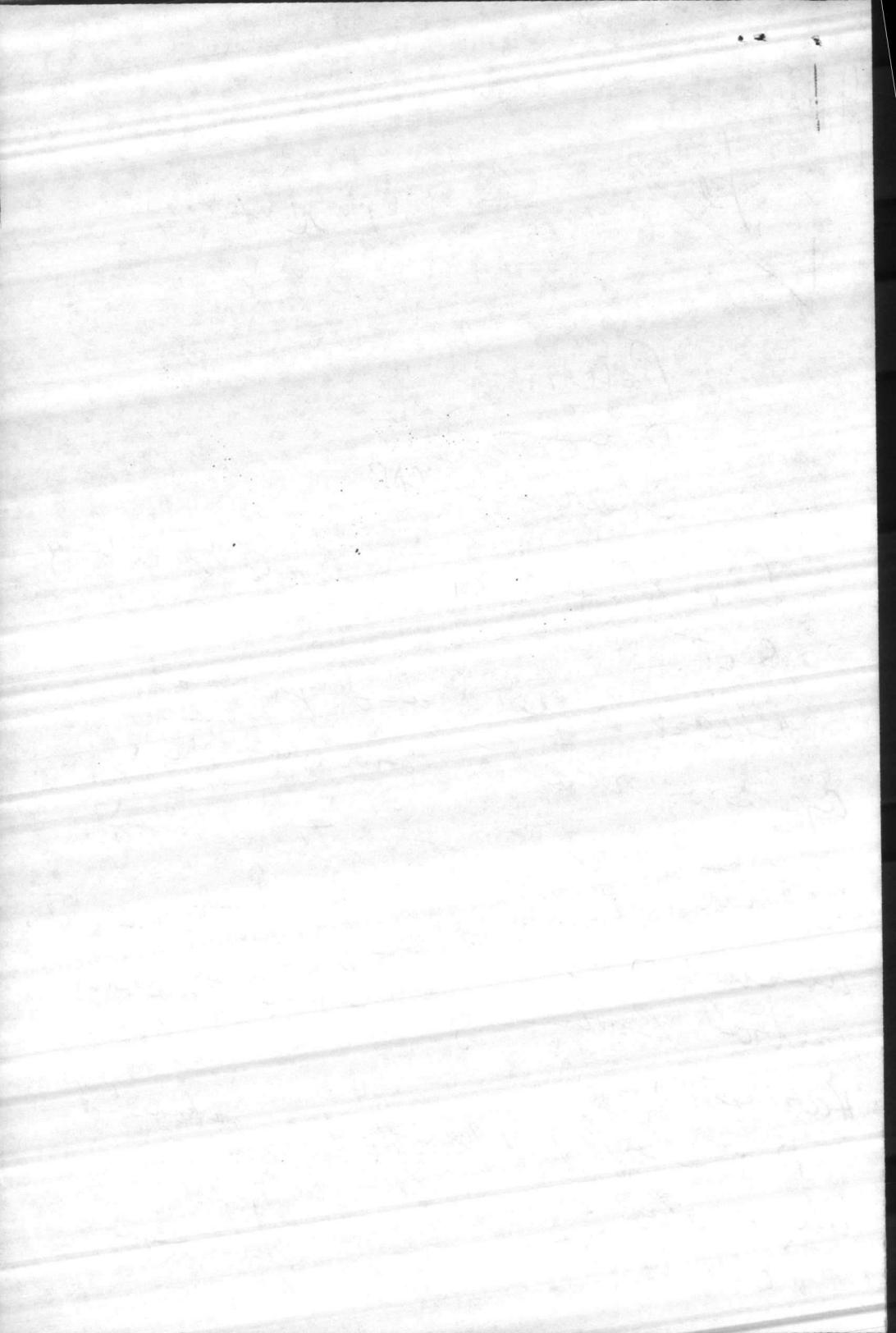
From: Director
To: Peter JW
Subj: Danny ^{DDG}
Charles. ^{CDP}

Env Impact Review Board meeting
22 Oct.

Please review and provide
appropriate comments.

Peter plan to attend and
answer questions pertaining to
Control Burning PEA & Timber
Harvest PEA.

Danny I think you should
attend also.
I will be TAD
Jiles



UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542-5001

5420/2
FAC
OCT 09 1987

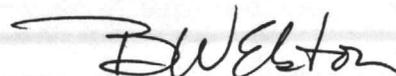
From: Chairman, Environmental Enhancement/Impact Review Board

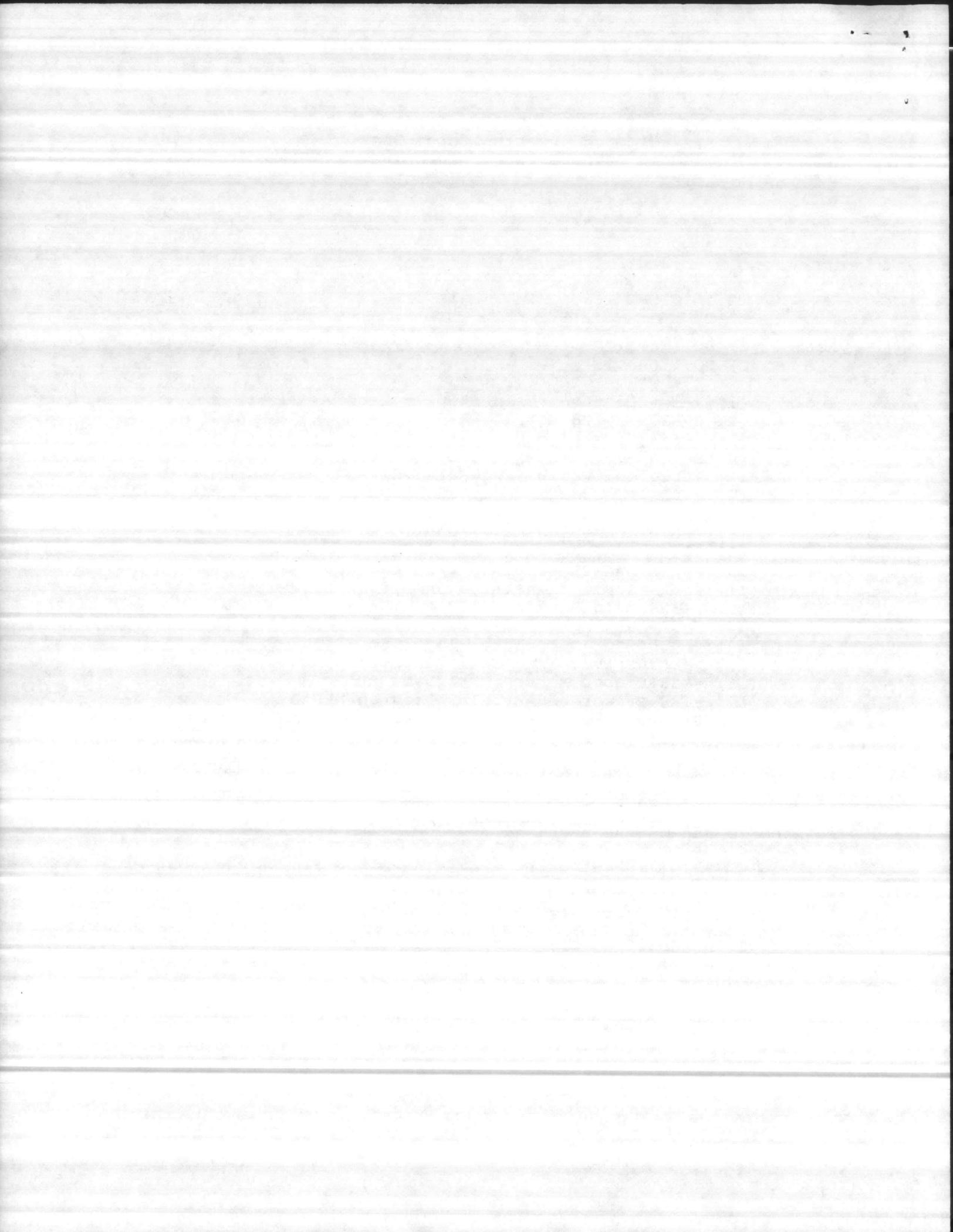
Subj: MEETING OF ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD

Ref: (a) BO 11015.2G
(b) BO 11000.1B

Encl: ✓(1) P-196 Cmbt Veh Main Shop 2d MarDiv
(2) P-630 BEQ 2d MarDiv
✓(3) P-644 Comm-Elec Main Shop 2d MarDiv
(4) P-888 Cmbt Veh Main Shop 2d MarDiv
(5) Petroleum Equip Trng Site 2d FSSG 8th EngrBn
(6) P-804 Field Main Complex 2d FSSG
(7) P-841 Messhall Addition (French Creek) 2d FSSG
(8) P-679 Comm-Elec Main Shop
(9) P-489 MCAS HQ Bldg MCAS NR
(10) P-515 MAG-29 Property Ctrl Fac MCAS NR
(11) P-525 Applied Instruction Bldg MCAS NR
(12) P-526 Main Hangar MCAS NR
(13) P-536 Pkg Apron/Taxiway Addition MCAS NR
✓(14) P-810 Mechanics Trng Bldg (Incr 3) MCSSS
✓(15) P-807 Driver Trng Schl (Incr 4) MCSSS
✓(16) FY88 Timber Harvest Program NREAD
✓(17) FY88 Prescribed Burning Program NREAD
✓(18) P-892 Consolidated Commissary Fac AC/S Log
✓(19) Spring Pt Hand Grenade/Demo Range AC/S Trng & Ops

1. In accordance with the provisions of references (a) and (b), a meeting of the subject Board is scheduled in the Conference Room of Building 1 at 1330, 22 October 1987. Advisors to the Board are invited to attend the meeting.
2. The Board will review the preliminary environmental assessments as provided in enclosures (1) through (19) and provide recommendations on environmental significance to action sponsors. Members and advisors knowing of other agenda items should notify the Chairman at extension 3034/5925 as soon as possible prior to the meeting.


B. W. ELSTON
Acting



Subj: MEETING OF ENVIRONMENTAL ENHANCEMENT/IMPACT REVIEW BOARD

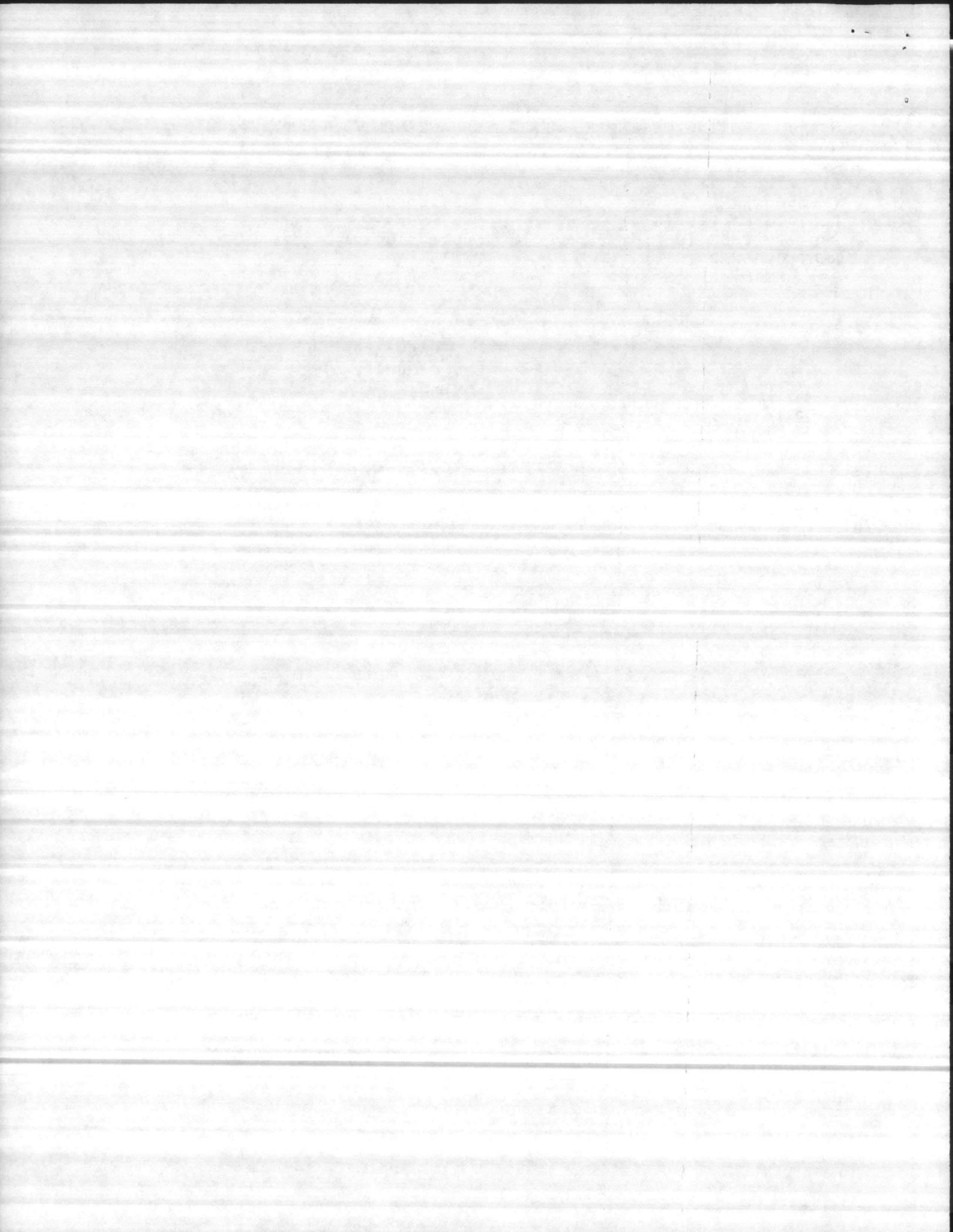
Distribution:

(Members)

Rep, 2d MarDiv (G-4)
Rep, 2d FSSG (G-4)
Rep, 6th MAB (G-4)
Rep, MCAS, NR (S-4)
TFACO
BMO
PWO

(Advisors)

Dir, NREA ✓
SupvEcologist
BWildlifeMgr
BGameProtector
SAFD
SJA
DRMO
CH, VetMedSvc, NH
CH, Occup/PrevMed, NH
EnvEngr



PRELIMINARY ENVIRONMENTAL ASSESSMENT
FOR MILCON PROJECT 196

1. Action Sponsor: Commanding General, 2d Marine Division, FMF
2. Name, Address, Phone Number of Point of Contact: 1st Lieutenant
B. D. CLINE, Division Engineer Office, 2d MarDiv, ext. 5111/2417
3. Title and brief description of proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

PROJECT - 196

I. PROJECT DESCRIPTION

Construct a maintenance facility with high bays of reinforced concrete on a pile foundation with masonry walls, concrete floors and roofing and insulation. Overhead doors in bay area, fire protection and alarm systems, plumbing, telephone and equipment installation, energy conservation and pollution abatement features are included in this project. Wash aprons and oil/water separators and hazardous flammable material storage, pavements, security fencing, lighting and utility connections are included.

II. PROJECT PURPOSE

The proposed facilities will provide Headquarters, Communications, Service, and Motor Transportation Battalion of the 2d Marine Division with adequate and secure facilities to perform combat vehicle maintenance.

III. SITE SELECTION

- a. Considerations will be made for the handling and temporary storage of waste oil and hazardous wastes (i. e. cleaning solvents and electrolytes). An oil spill pad with an oil water separator will be used to prevent any oil spills.
- b. Two options are open for the use of cleaning solvents to clean large items such as engines. Bio-degradable solvents can be used and the run-off allowed to run into the oil/water separator. The other option is to use conventional dry cleaning solvent and construct a separate wash down area and collection system to contain the solvent (i. e. hazardous waste).

c. The maintenance of solvent vats, which are used to clean small items, can be contracted out to civilian companies. This action would mean that no hazardous waste was being produced under Environmental Protection Agency (EPA) guidelines. Bio-degradable solvents could also be used.

d. A hazardous waste/waste oil storage area will be constructed. This area will include a concrete pad with containing walls and an overhead cover.

e. The underground fuel storage tank will be designed and engineered to meet State and Federal guidelines. This action will ensure there are no fuel leaks which could pollute ground water.

f. To prevent sedimentation from flowing into New River, an Erosion Control Plan will be devised. This plan will include active control measures (i. e. erosion control mats) to stop the movement of soils from the construction site into the river via the stream.

g. Storm water control will be handled by the storm sewage system.

4. Location: See attached map for location.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? No. Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? Yes. Will there be any paint booths, solvents vats, degreasers or other vapor producing industrial processes involved? Yes. Will the project involve the use or disposal of asbestos? No. Will the project cause dust problems? No.

b. Land Quality: Will the action require use of a significant amount of earthen fill material? Yes. Will there be an increase in level of soil disturbance/damage to vegetation? Yes. Will there be one acre or more of land cleared/disturbed? Yes.

c. Groundwater Quality: Does the project involve the use of herbicides, insecticides or other pesticides in significant amounts? No. Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No. Will there be any wells dug or any excavations deeper than twenty feet? No. Will any toxic hazardous material/waste requiring disposal be used or generated by the project? Yes. Will there be a net increase of solid waste caused by implementing project/action? No. Will the project action be carried out within 200 feet of a drinking water supply well? Unknown.

Enclosure (1)

ENC 1

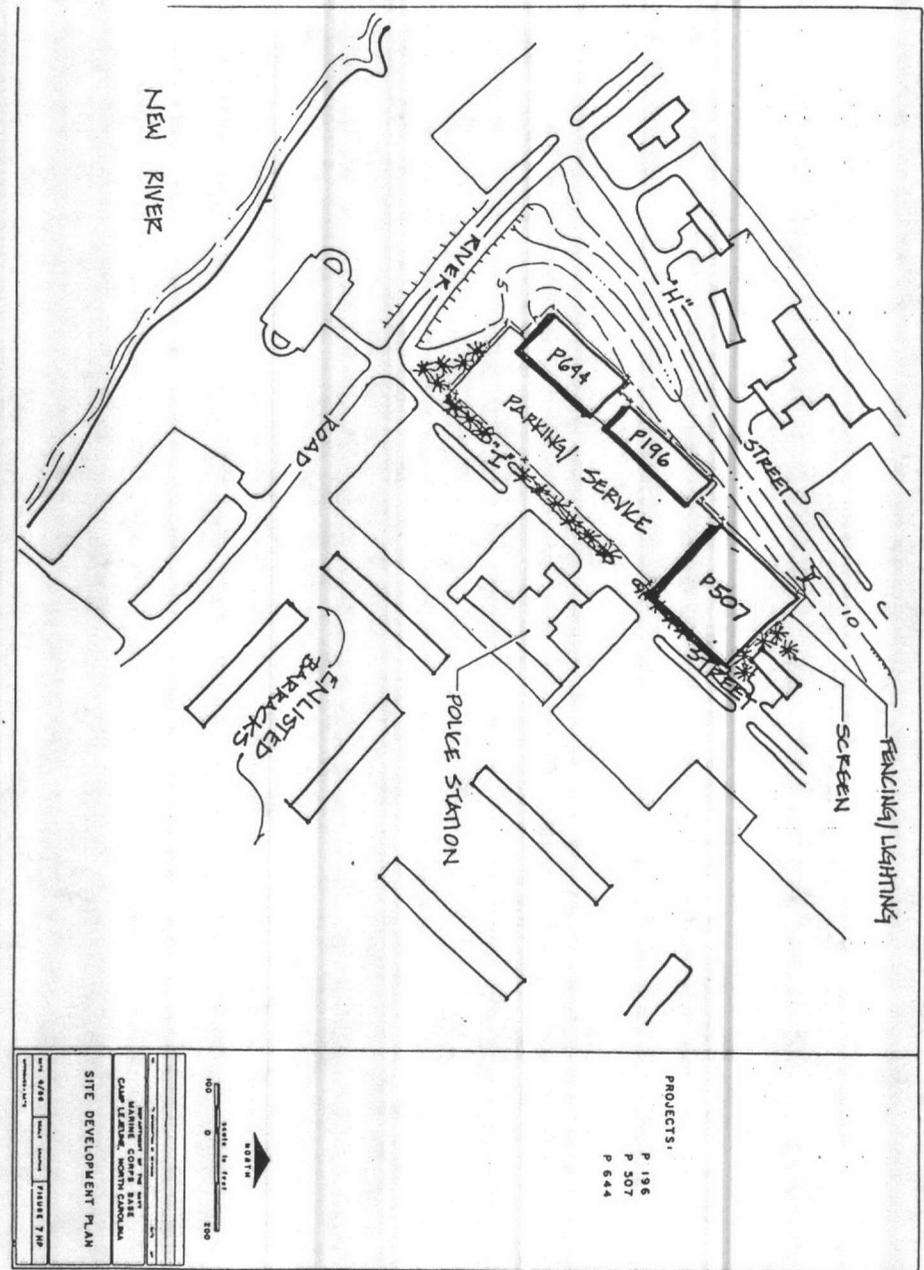
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? Yes. Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? Unknown. Will all waste water be connected to sanitary sewer? Yes. Will there be an increase in erosion/siltation from soil disturbing activity? Yes. Will petroleum oil and lubricants be routinely stored or used at the site? Yes. Will the project increase rates of surface/storm water run-off? Yes.

e. Natural Resources: Will there be a loss of forest land? Yes. Will public access for hunting, boating, fishing, etc., be restricted? No. Is there a change in land use from what is presently shown in Base Master Plan? No. Will removal of existing vegetation be required? Yes. Are there any known effects on any endangered species? No. Does the project involve the purchase or sale of any real estate? No.

f. Socio-Economic Considerations: Will the project cause an increase/decrease in or on off-base military population? No. Will there be any increased demand on a local or state government to provide services? No. Will there be any changes to traffic flow and patterns on or off-base? No. Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No. Are there any historical or archaeological sites affected by project/action? No.

6. Conclusion

Based on the information provided above and in the Base Master Plan, this project will not have any significant adverse environmental impact, if the project is designed and engineered with the previously mentioned aspects in mind. If it is not, there will be an adverse environmental impact.



PRELIMINARY ENVIRONMENTAL ASSESSMENT
FOR MILCON PROJECT 630

c. The renovation of Building BA-105 will also have to deal with the problem of asbestos removal. The same considerations will be used there as at the other renovation sites.

d. The construction of the MUD-style Barracks at the Beach Area and the paving of Ocean Drive will greatly increase sedimentation problems and run-off. The Intercoastal Water Way and the Onslow Beach Area's shell fishing will be affected. Therefore, a run-off/sedimentation control plan will be formulated in accordance with the North Carolina Coastal Management Plans and North Carolina Storm Water run-off regulations. Facilities will also be needed to handle this run-off in a correct manner.

4. Location: See attached map for location.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? No. Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? No. Will there be any paint booths, solvents vats, degreasers or other vapor producing industrial processes involved? No. Will the project involve the use or disposal of asbestos? Yes. Will the project cause dust problems? Unknown.

b. Land Quality: Will the action require use of a significant amount of earthen fill material? Unknown. Will there be an increase in level of soil disturbance/damage to vegetation? Yes. Will there be one acre or more of land cleared/disturbed? Yes.

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d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? Yes. Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? Unknown. Will all waste water be connected to sanitary sewer? Yes. Will there be an increase in erosion/siltation from soil disturbing activity? Yes. Will petroleum oil and lubricants be routinely stored or used at the site? No. Will the project increase rates of surface/storm water run-off? Yes.

1. Action Sponsor: Commanding General, 2d Marine Division, FME
2. Name, Address, Phone Number of Point of Contact: 1st Lieutenant
B. D. CLINE, Division Engineer Office, 2d MarDiv, ext. 5111/2417
3. Title and brief description of proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

PROJECT - 630
BACHELOR ENLISTED QUARTERS

I. PROJECT DESCRIPTION

Construct four three-story reinforced concrete frame buildings, masonry walls, pile foundations, utility connections; 288 two bedroom modules with private bathrooms; lounges, storage rooms and vending machines areas. The demolition of (4) buildings and rooms included. Conversion of (4) existing H-style BEQ's for (3) Administration spaces and (1) instruction space. Pave approximately 4,000 LF Onslow Beach Road.

II. PROJECT PURPOSE

This project will provide adequate billeting for unaccompanied enlisted personnel from 8th Marine Regiment and 2d Reconnaissance Battalion. The project will also supply administrative and instructional spaces.

III. SITE SELECTION

a. The renovations of the Multiple Unit Dwelling (MUD-style) Barracks, located on the Hadnot Point between Holcomb Blvd. and H street, will cause no environmental problems. Consideration should be made for the removal and handling of all asbestos material in these buildings according to State and Federal regulations. The planned demolition of Building 319, 321, 334, and 340 has a similar problem. All asbestos material must be removed from these buildings and disposed of in a like manner.

b. The construction of three MUD-style Barracks will not cause any environmental problems. The construction areas are adjacent to a stream running into the New River, where shell fishery beds are located. Therefore, run-off water cannot be allowed to flow into the New River. A sedimentation/run-off control plan will be formulated in accordance with North Carolina Coastal Management Plans and North Carolina Storm Water run-off Regulations.

Enclosure (2)

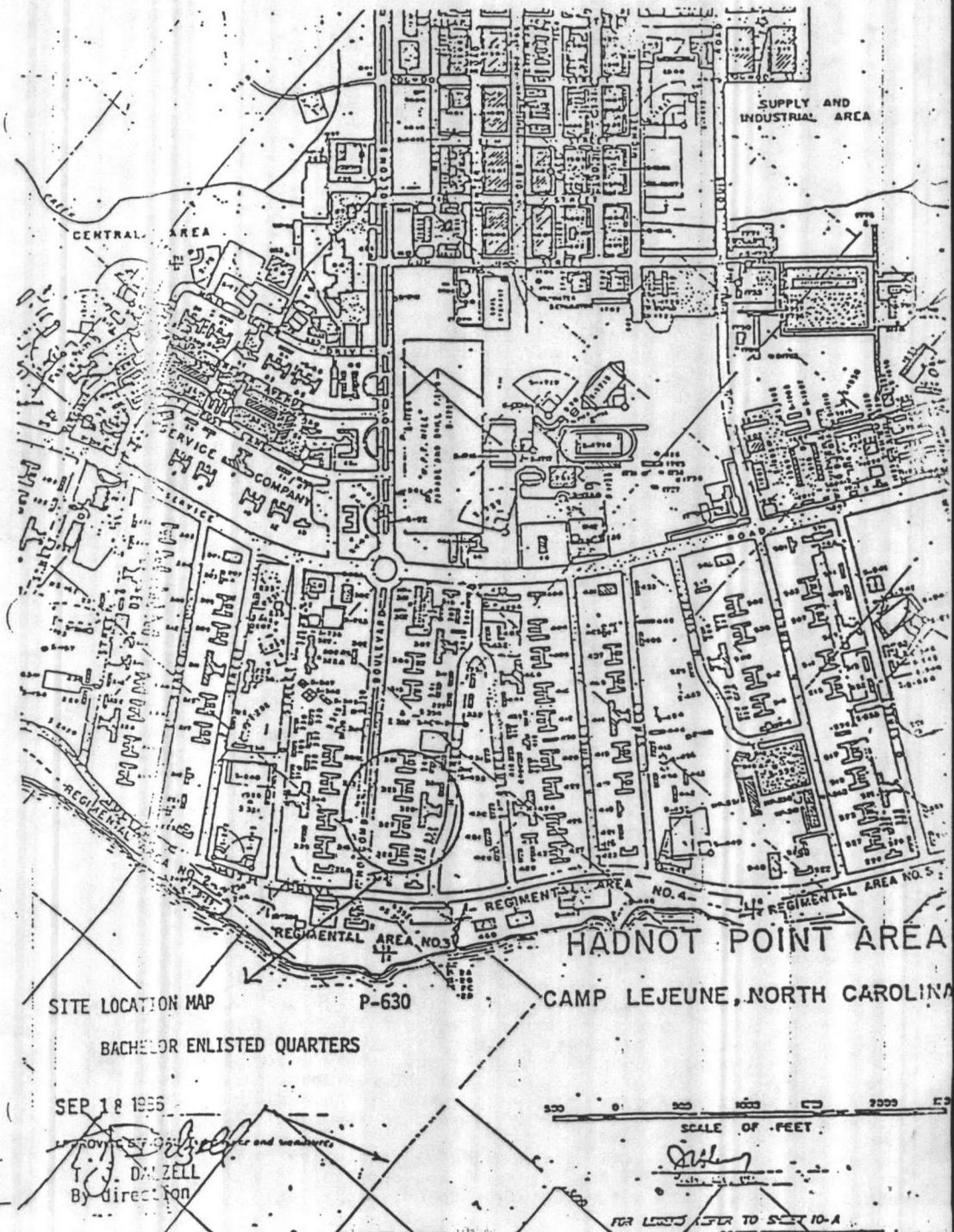
ENCL 2

e. Natural Resources: Will there be a loss of forest land? No. Will public access for hunting, boating, fishing, etc., be restricted? No. Is there a change in land use from what is presently shown in Base Master Plan? No. Will removal of existing vegetation be required? No. Are there any known effects on any endangered species? No. Does the project involve the purchase or sale of any real estate? No.

f. Socio-Economic Considerations: Will the project cause an increase/decrease in or on off-base military population? No. Will there be any increased demand on a local or state government to provide services? No. Will there be any changes to traffic flow and patterns on or off-base? No. Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No. Are there any historical or archaeological sites affected by project/action? No.

6. Conclusion

P-630 should not have any adverse environmental impact if the above mentioned considerations are planned for. A close look should be taken at the run-off problem associated to the paving of Ocean Drive to ensure compliance with North Carolina State Regulations.



PRELIMINARY ENVIRONMENTAL ASSESSMENT
FOR MILCON PROJECT 644

1. Action Sponsor: Commanding General, 2d Marine Division, FMF
2. Name, Address, Phone Number of Point of Contact: 1st Lieutenant
B. D. CLINE, Division Engineer Office, 2d MarDiv, ext. 5111/2417
3. Title and brief description of proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

PROJECT - 644
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP

I. PROJECT DESCRIPTION

Construct a permanent one story shop with pile foundations, reinforced concrete floors, and masonry walls, built up roof over insulation and interior support system, air conditioning, steam, compressed air, sprinkler, fire alarm, plumbing, telephone, 60/400 cycle electrical w/grounding, exterior pavements, fencing, area lighting and utilities are included. Demolition of building 442, 443 and 444 are to be included along with site improvements. A fuel storage tank will also be constructed.

II. PROJECT PURPOSE

Construction of this project will provide 29,775 SF of Electronics/Communications Maintenance Shop for electronics and communications T/E equipment assigned to the Infantry Regiment of the 2d Marine Division.

III. SITE SELECTION

- a. Considerations will be made for the handling and temporary storage of waste oil and hazardous wastes (i. e. cleaning solvents and electrolytes). An oil spill pad with an oil water separator will be used to prevent any oil spills.
- b. Two options are open for the use of cleaning solvents to clean large items such as engines. Bio-degradable solvents can be used and the run-off allowed to run into the oil/water separator. The other option is to use conventional dry cleaning solvent and construct a separate wash down area and collection system to contain the solvent (i. e. hazardous waste).

c. The maintenance of solvent vats, which are used to clean small items, can be contracted out to civilian companies. This action would mean that no hazardous waste was being produced under Environmental Protection Agency (EPA) guidelines Bio-degradable solvents could also be used.

d. A hazardous waste/waste oil storage area will be constructed. This area will include a concrete pad with containing walls and an overhead cover.

e. The underground fuel storage tank will be designed and engineered to meet State and Federal guidelines. This action will ensure there are no fuel leaks which could pollute ground water.

f. To prevent sedimentation from flowing into New River, an Erosion Control Plan will be devised. This plan will include active control measures (i. e. erosion control mats) to stop the movement of soils from the construction site into the river via the stream.

g. Storm water control will be handled by the storm sewage system.

4. Location: See attached map for location.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? No. Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? Yes. Will there be any paint booths, solvents vats, degreasers or other vapor producing industrial processes involved? Yes. Will the project involve the use or disposal of asbestos? No. Will the project cause dust problems? No.

b. Land Quality: Will the action require use of a significant amount of earthen fill material? Yes. Will there be an increase in level of soil disturbance/damage to vegetation? Yes. Will there be one acre or more of land cleared/disturbed? Yes.

c. Groundwater Quality: Does the project involve the use of herbicides, insecticides or other pesticides in significant amounts? No. Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No. Will there be any wells dug or any excavations deeper than twenty feet? No. Will any toxic hazardous material/waste requiring disposal be used or generated by the project? Yes. Will there be a net increase of solid waste caused by implementing project/action? Yes. Will the project action be carried out within 200 feet of a drinking water supply well? Unknown.

Enclosure (3)

ENC 3

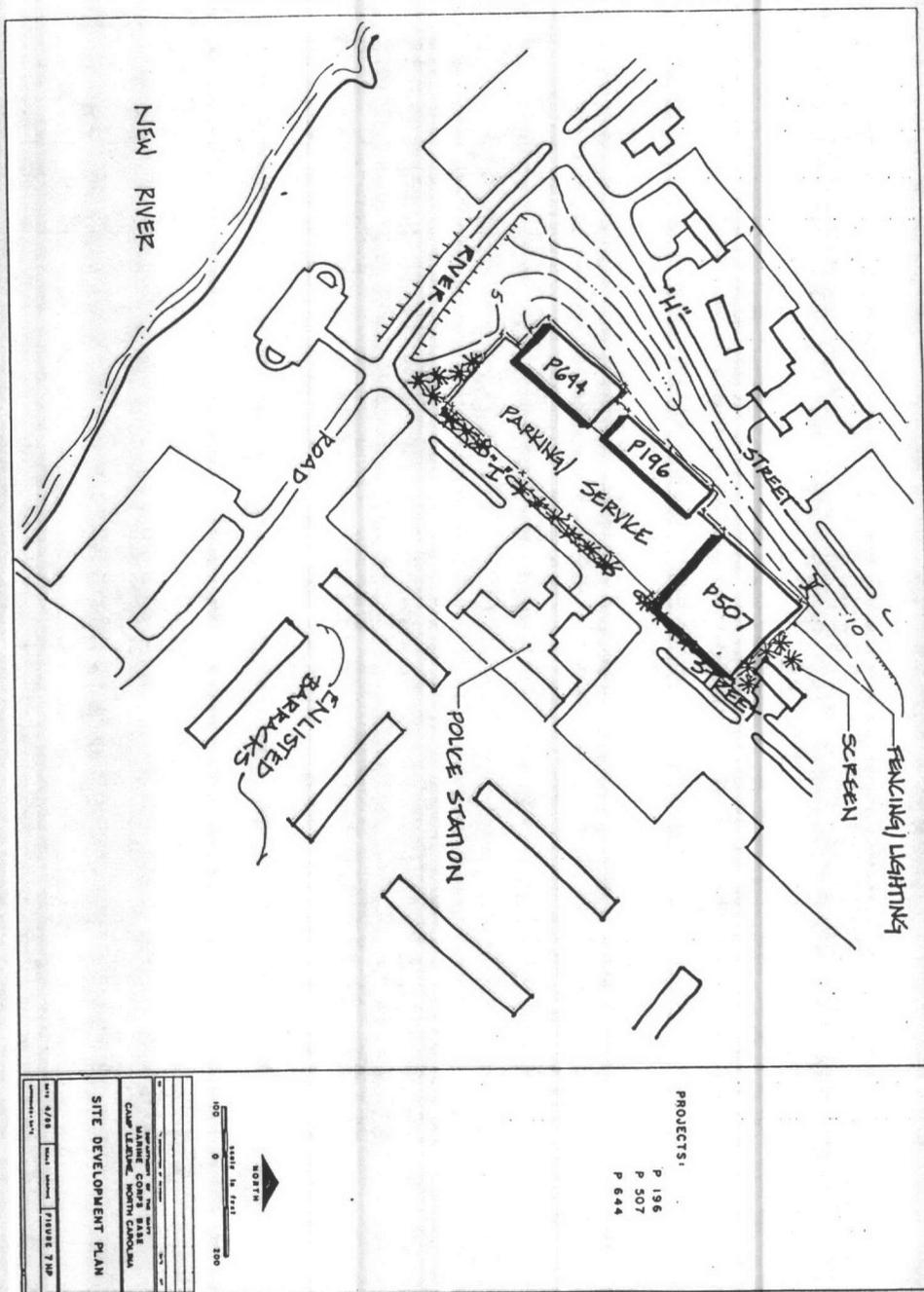
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? Yes. Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? Unknown. Will all waste water be connected to sanitary sewer? Yes. Will there be an increase in erosion/siltation from soil disturbing activity? Yes. Will petroleum oil and lubricants be routinely stored or used at the site? Yes. Will the project increase rates of surface/storm water run-off? Yes.

e. Natural Resources: Will there be a loss of forest land? Yes. Will public access for hunting, boating, fishing, etc., be restricted? No. Is there a change in land use from what is presently shown in Base Master Plan? No. Will removal of existing vegetation be required? Yes. Are there any known effects on any endangered species? No. Does the project involve the purchase or sale of any real estate? No.

f. Socio-Economic Considerations: Will the project cause an increase/decrease in or on off-base military population? No. Will there be any increased demand on a local or state government to provide services? No. Will there be any changes to traffic flow and patterns on or off-base? No. Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No. Are there any historical or archaeological sites affected by project/action? No.

6. Conclusion

Based on the information provided above and in the Base Master Plan, this project will not have any significant adverse environmental impact, if the project is designed and engineered with the previously mentioned aspects in mind. If it is not, there will be an adverse environmental impact.



PRELIMINARY ENVIRONMENTAL ASSESSMENT
FOR MILCON PROJECT 888

1. Action Sponsor: Commanding General, 2d Marine Division, FMF
2. Name, Address, Phone Number of Point of Contact: 1st Lieutenant
B. D. CLINE, Division Engineer Office, 2d MarDiv, ext. 5111/2417
3. Title and brief description of proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

PROJECT - 888

I. PROJECT DESCRIPTION

Construction will consist of a maintenance facility with high bays of reinforced concrete on pile foundations with masonry walls, concrete floors and built up roofing with insulation, overhead doors in bay area, fire protection and alarm systems, telephones and telephone equipment installation, energy conservation and pollution abatement features. Overhead shelters for howitzers, wash aprons, oil/water separators, flammable storage area, pavements, security fencing, lighting and utility connections are included. Demolition of buildings 1703, 1704, 1705, 1707, S-754 and S-755.

II. PROJECT PURPOSE

This project will provide a Combat Vehicle Maintenance Facility for the 3d Ordnance/Motor Transport Battalion.

III. SITE SELECTION

a. Considerations will be made for the handling and temporary storage of waste oil and hazardous wastes (i. e. cleaning solvents and electrolytes). An oil spill pad with an oil water separator will be used to prevent any oil spills.

b. Two options are open for the use of cleaning solvents to clean large items such as engines. Bio-degradable solvents can be used and the run-off allowed to run into the oil/water separator. The other option is to use conventional dry cleaning solvent and construct a separate wash down area a collection system to contain the solvent (i. e. hazardous waste).

c. The maintenance of solvent vats, which are used to clean small items, can be contracted out to civilian companies. This action would mean that no hazardous waste was being produced under Environmental Protection Agency (EPA) guidelines Bio-degradable solvents could also be used.

d. A hazardous waste/waste oil storage area will be constructed. This area will include a concrete pad with containing walls and an overhead cover.

e. The underground fuel storage tank will be designed and engineered to meet State and Federal guidelines. This action will ensure there are no fuel leaks which could pollute ground water.

f. To prevent sedimentation from flowing into New River, an Erosion Control Plan will be devised. This plan will include active control measures (i. e. erosion control mats) to stop the movement of soils from the construction site into the river via the stream.

g. Storm water control will be handled by the storm sewage system.

4. Location: See attached map for location.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? No. Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? Unknown. Will there be any paint booths, solvents vats, degreasers or other vapor producing industrial processes involved? Yes. Will the project involve the use or disposal of asbestos? Yes. Will the project cause just problems? No.

b. Land Quality: Will the action require use of a significant amount of earthen fill material? No. Will there be an increase in level of soil disturbance/damage to vegetation? Yes. Will there be one acre or more of land cleared/disturbed? Yes.

c. Groundwater Quality: Does the project involve the use of herbicides, insecticides or other pesticides in significant amounts? No. Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No. Will there be any wells dug or any excavations deeper than twenty feet? No. Will any toxic hazardous material/waste requiring disposal be used or generated by the project? Yes. Will there be a net increase of solid waste caused by implementing project/action? No. Will the project action be carried out within 200 feet of a drinking water supply well? Unknown.

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? No. Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? No. Will all waste water be connected to sanitary sewer? Yes. Will there be an increase in erosion/siltation from soil disturbing activity? No.

Enclosure (4)

Encl 4

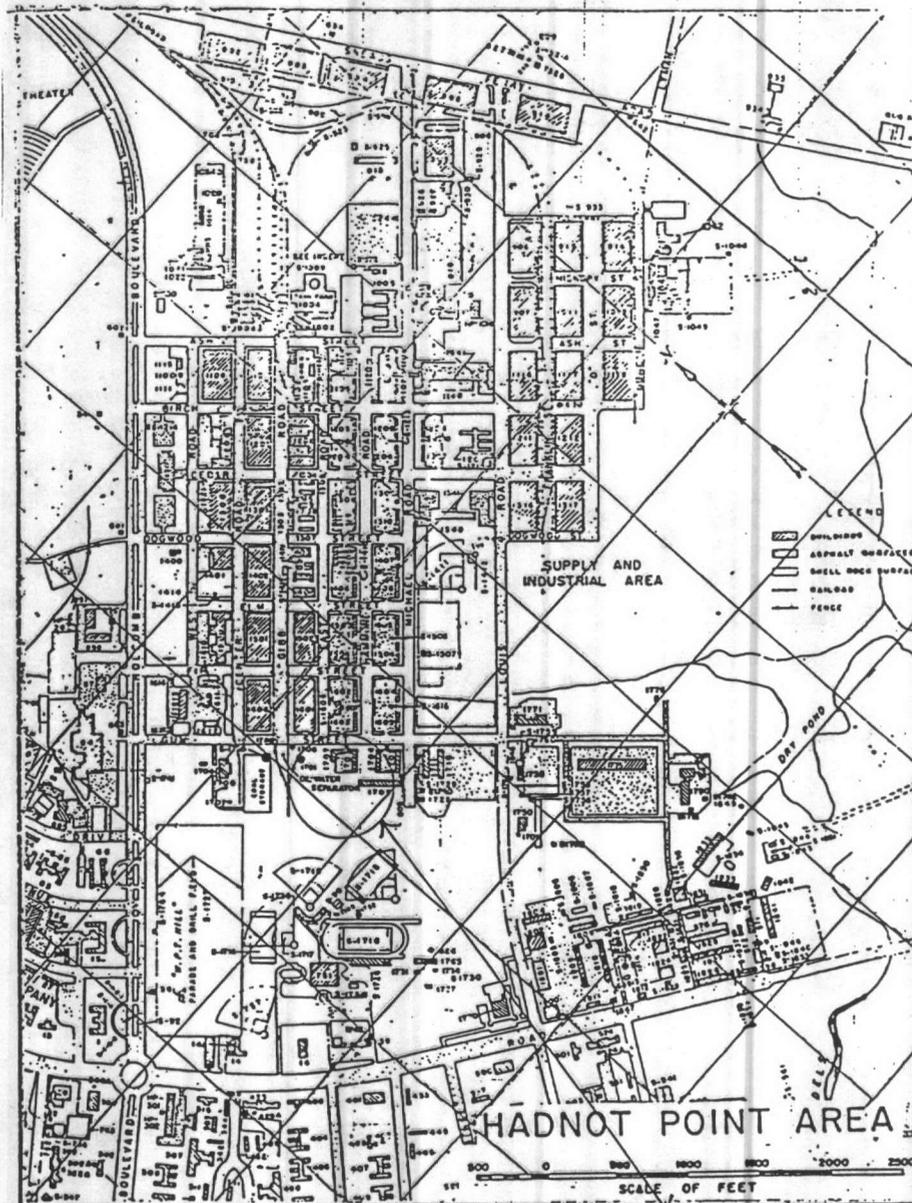
Will petroleum oil and lubricants be routinely stored or used at the site? Yes. Will the project increase rates of surface/storm water run-off? Yes.

e. Natural Resources: Will there be a loss of forest land? No. Will public access for hunting, boating, fishing, etc., be restricted? No. Is there a change in land use from what is presently shown in Base Master Plan? No. Will removal of existing vegetation be required? No. Are there any known effects on any endangered species? No. Does the project involve the purchase or sale of any real estate? No.

f. Socio-Economic Considerations: Will the project cause an increase/decrease in or on off-base military population? No. Will there be any increased demand on a local or state government to provide services? No. Will there be any changes to traffic flow and patterns on or off-base? No. Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No. Are there any historical or archaeological sites affected by project/action? No.

6. Conclusion

Based on the information provided above and in the Base Master Plan, this project will not have any significant adverse environmental impact, if the project is designed and engineered with the previously mentioned aspects in mind. If it is not, there will be an adverse environmental impact.



APPROVED:

T. J. Dalzell

T. J. DALZELL, By direction 29Sep86

SITE LOCATION MAP

P-888

COMBAT VEHICLE MAINTENANCE SHOP

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: 8th Engineer Support Battalion

2. Name, Address, Phone Number of Point of Contact: WO D. R. TERVOL
8th Engineer Support Battalion/1693/5175

PETROLEUM EQUIPMENT EVALUATION/TRAINING SITE

3. The proposed action includes installation of two (2) 20,000 gallon fuel storage tanks, fabric collapsible and assorted components i.e; hose, pumps, manifolds, etc.... The proposed location is in the vicinity of FC-127, GC 871369 appendix (a) and (b). This action results from noted equipment operational and maintenance readiness deficiencies, requiring immediate corrective measures. Evaluation and testing of equipment with petroleum product during routine maintenance schedules is imperative. This is an interim solution until a permanent facility can be constructed. No facilities currently exist or are available to accommodate unit needs in maintaining 6 Amphibious Assault Fuel Systems. Project completion target is 30 Oct 87.

4. Environmental Protection Measures:

Two Berms (Dikes) will be constructed and lined with impervious material, (reinforced polyethylene sheeting). One tank will be active and another inactive. Equipment evaluations will be conducted on a curbed concrete pad. Berms and slab areas will be 150% the capacity by volume of the single largest container/item of equipment. Work site elevation will exceed tank elevation by placement, preventing gravity feed product losses from defective components. Drainage will be centralized from berms and slab area through a common secondary dike drainage system whereby normal and/or controlled run off can be monitored appendix (c). Any minor seepage collected will be contained and disposed of in accordance with regulations. Spill contingency procedures will be developed and posted in accordance with applicable Base regulation.

5. Location: See attached Camp Lejuene Special Map showing location of proposed project site. GC 871369.

6. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? no Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? yes Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? yes Will the project involve the use or disposal of asbestos? no Will project cause dust problems? no

b. Land Quality: Will the action require use of significant amount of earthen fill material? no Will there be an increase in level of soil disturbance/damage to vegetation? no Will there be one acre or more of land cleared/disturbed? no

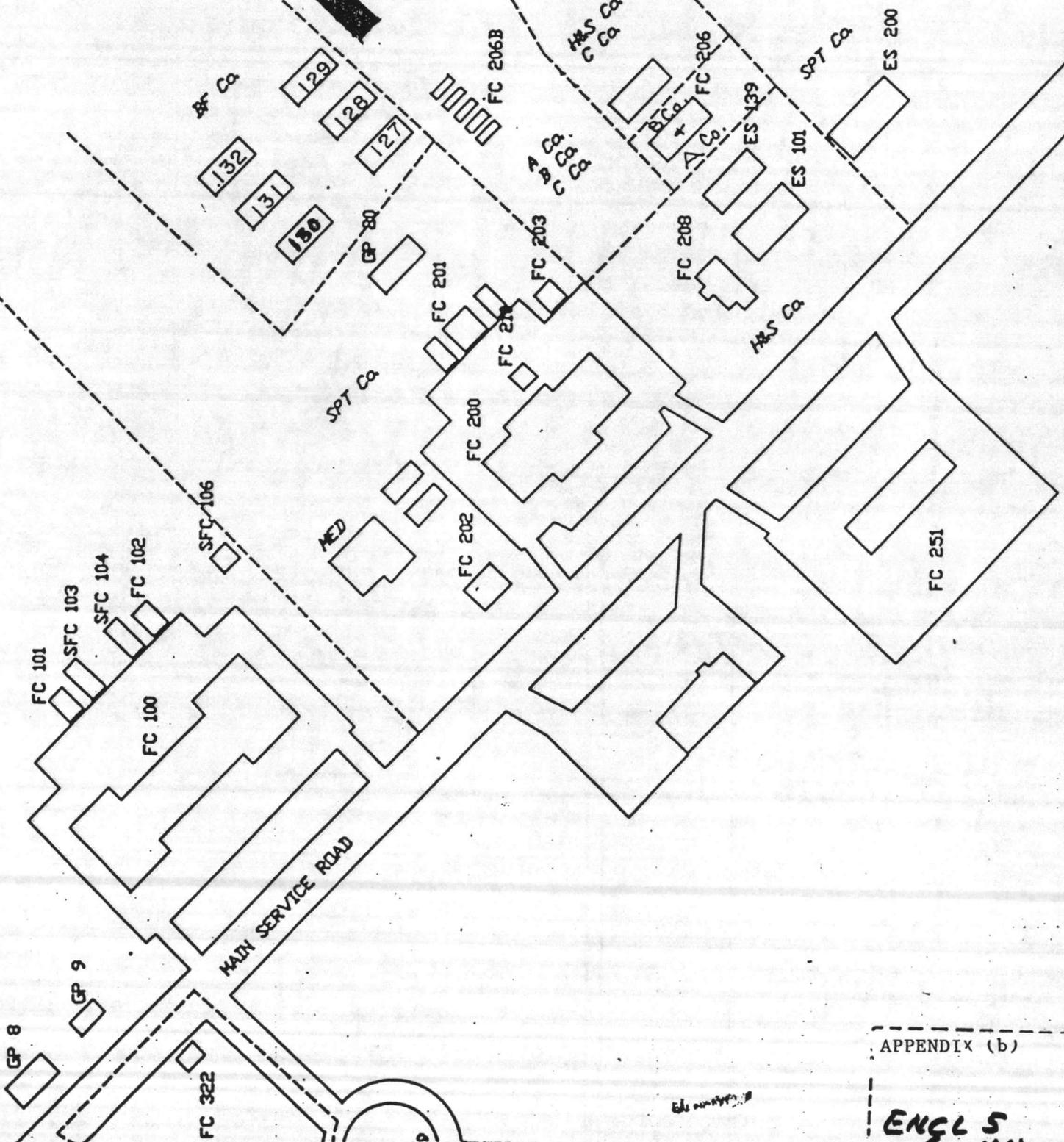
c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? no Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? no Will there be any wells dug or any excavations deeper than twenty feet? no Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? no Will there be a net increase of solid waste caused by implementing the project/action? no Will the project increase rates of surface/storm water run-off? no

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? UNK Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? no Will all wastewater be connected to sanitary sewer? no Will petroleum oil and lubricants be routinely stored or used at the site? yes Will the project increase rates of surface/storm water run-off? no

e. Natural Resources: Will there be a loss of forest land? no Will public access for hunting, boating, fishing, etc., be restricted? no Is there a change in land use from what is presently shown in Base Master Plan? ? Will removal of existing vegetation be required? no Are there any known effects on any endangered species? no Does the project involve the purchase or sale of any real estate? no

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? no Will there be any increased demand on a local or state government to provide services? no Will there be any changes to traffic flow and patterns on or off-base? no Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? no Is there any known controversy associated with the type of project or action proposed? no Are there any historical or archaeological sites affected by project/action? no

SECONDARY DIKE
20,000 Gal. TANK BERMS
CURBED CONCRETE WORK/EQUIP AREA

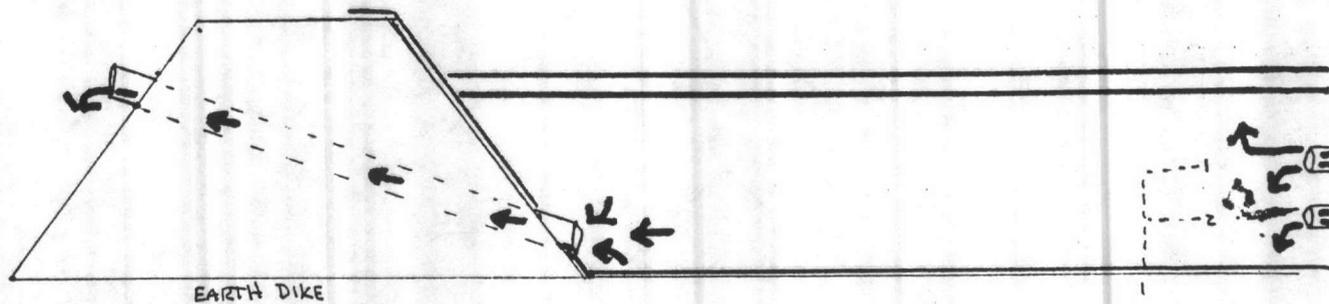


APPENDIX (b)

ENCL 5
(CONT'D)

SECONDARY containment system

Petroleum Equipment Evaluation/Training Site.



1 Drain From TANK DIKE
2 Drain From CURBED work area

- Fuel (POL)
- H₂O (RUN OFF)
- IMPERVIOUS material
concrete or Polystyrene
sheet piling

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR
SUBMISSION OF

1. Action Sponsor: 2D FSSG
2. Name, Address, Phone Number of Point of Contact: Major Bancroft
G-4 Facilities Office 3456/3390
3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Project P-804 Field Maintenance Complex (increment 3) construct permanent two-story shops and craneway with reinforced concrete foundation, concrete floors, masonry walls, built up roof and structural steel frame. Interior support systems include air conditioning, steam compressed air, lube dispensing, plumbing, engine exhaust system, spray paint booth, overhead bridge cranes (75 ton, 20 ton, 15 ton, 10 ton, 5 ton and 1 ton); jib cranes (2 ton), overhead monorails (1 ton), twin post hydraulic vehicle lifts and wire partitions. Exterior support facilities includes concrete hardstand, concrete tank trail with roadway crossing, bituminous parking area, area lighting, security fencing, site work and utilities. (82 tons air conditioning)

This project will not cause additional air or water pollution.

The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consist with applicable directives.

4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

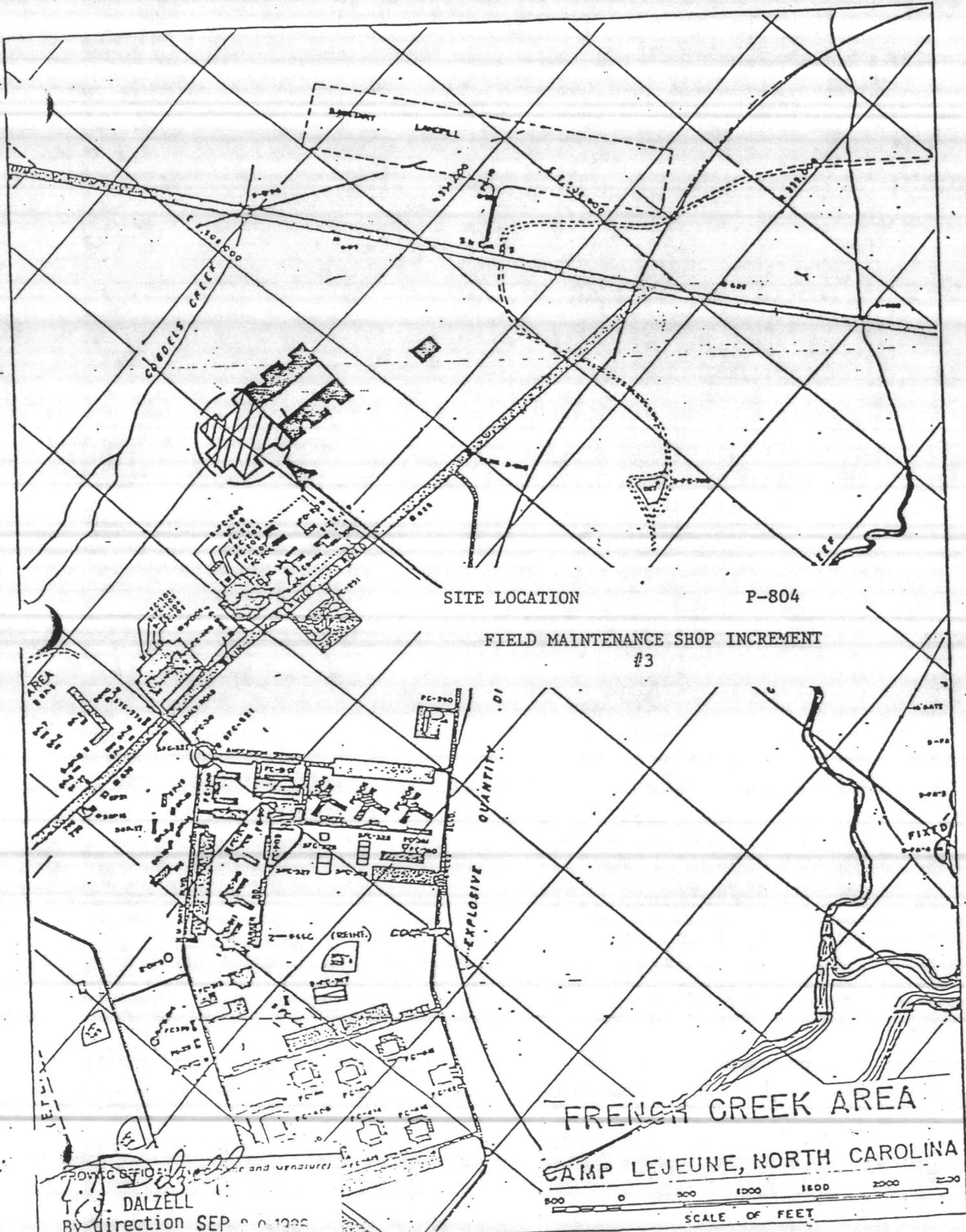
5. Potential Environmental Impact/Considerations: (See Note 1)

- a. Air Quality: Will there be any open burning associated with the project/action? No Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? No Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? Yes Will the project involve the use or disposal of asbestos? No Will project cause dust problems? No
- b. Land Quality: Will the action require use of significant amount of earthen fill material? No Will there be an increase in level of soil disturbance/damage to vegetation? No Will there be one acre or more of land cleared/disturbed? No
- c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? No Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No Will there be any wells dug or any excavations deeper than twenty feet? No Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? Yes Will there be a net increase of solid waste caused by implementing the project/action? No Will the project or action be carried out within 200 feet of a drinking water supply well? No
- d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? No Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? No Will all wastewater be connected to sanitary sewer? Yes Will there be an increase in erosion/siltation from soil disturbing activity? No Will petroleum oil and lubricants be routinely stored or used at the site? Yes Will the project increase rates of surface/storm water run-off? No
- e. Natural Resources: Will there be a loss of forest land? No Will public access for hunting, boating, fishing, etc., be restricted? No Is there a change in land use from what is presently shown in Base Master Plan? No Will removal of existing vegetation be required? Yes Are there any known effects on any endangered species? No Does the project involve the purchase or sale of any real estate? No
- f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? No Will there be any increased demand on a local or state government to provide services? No Will there be any changes to traffic flow and patterns on or off-base? Yes Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No Is there any known controversy associated with the type of project or action proposed? No Are there any historical or archaeological sites affected by project/action? No

NOTE 1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRB.

ENCLOSURE (1)

ENCLOSURE (1)



SITE LOCATION

P-804

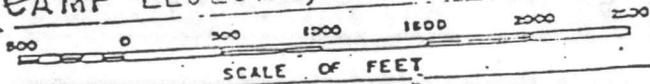
FIELD MAINTENANCE SHOP INCREMENT

#3

EXPLOSIVE QUANTITY .01

FRENCH CREEK AREA

CAMP LEJEUNE, NORTH CAROLINA



DRAWING OFFICER: *[Signature]*
 T. J. DALZELL
 By direction SEP 20 1926

BO 11000.1B
1 May 1984

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR
SUBMISSION OF

1. Action Sponsor: 2D FSSG
2. Name, Address, Phone Number of Point of Contact: Major Bancroft
G-4 Facilities Office 3456/3390
3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Project P-841 Messhall addition French Creek. Construct a mini-galley, serving lane and fast food dining facility, FC-540. Construction to consist of reinforced concrete foundation, masonry walls, structural steel framing interior support systems (i.e. heating, ventilation, air conditioning, fire alarm, kitchen and refrigeration equipment, etc.), paved access road, utility connections and energy conservation features. Match existing architectural modification.
Air conditioning: 25 tons

This project will not cause additional Air or Water Pollution.

The Project Environment impact assessment has been made, and where required, the design concepts give consideration to eliminating advise environmental effects consistent with applicable directives.

BO 11000.1B
1 May 1984

4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

5. Potential Environmental Impact/Considerations: (See Note 1)

- a. Air Quality: Will there be any open burning associated with the project/action? No Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? No Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? No Will the project involve the use or disposal of asbestos? No Will project cause dust problems? No
- b. Land Quality: Will the action require use of significant amount of earthen fill material? No Will there be an increase in level of soil disturbance/damage to vegetation? No Will there be one acre or more of land cleared/disturbed? No
- c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? No Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No Will there be any wells dug or any excavations deeper than twenty feet? No Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? No Will there be a net increase of solid waste caused by implementing the project/action? No Will the project or action be carried out within 200 feet of a drinking water supply well? No
- d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? No Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? No Will all wastewater be connected to sanitary sewer? Yes Will there be an increase in erosion/siltation from soil disturbing activity? No Will petroleum oil and lubricants be routinely stored or used at the site? No Will the project increase rates of surface/storm water run-off? No
- e. Natural Resources: Will there be a loss of forest land? No Will public access for hunting, boating, fishing, etc., be restricted? No Is there a change in land use from what is presently shown in Base Master Plan? No Will removal of existing vegetation be required? No Are there any known effects on any endangered species? No Does the project involve the purchase or sale of any real estate? No
- f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? No Will there be any increased demand on a local or state government to provide services? No Will there be any changes to traffic flow and patterns on or off-base? Yes Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No Is there any known controversy associated with the type of project or action proposed? No Are there any historical or archaeological sites affected by project/action? No

NOTE 1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRE.

ENCLOSURE (1)

ENCLOSURE (1)

ENCL (7)

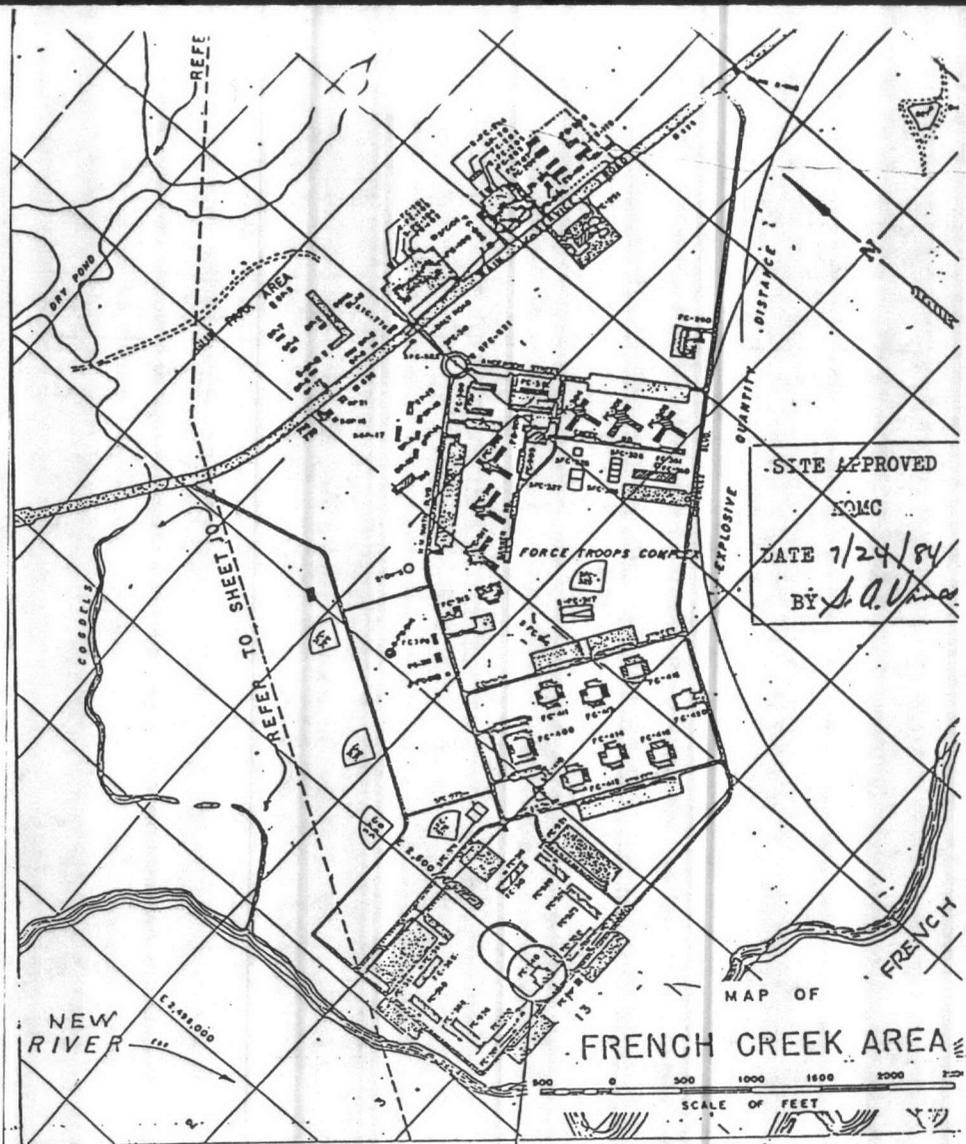
BO 11000.1B
1 May 1984

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

1. Action Sponsor: _____

2. Name, Address, Phone Number of Point of Contact: _____

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure): _____



SITE LOCATION MAP

P-841

ENLISTED DINING FACILITY
EXPANSION AT FRENCH CREEK

ENCL. (1)

ENCLOSURE (1)

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR
SUBMISSION OF

1. Action Sponsor: 2D FSSG
2. Name, Address, Phone Number of Point of Contact: Major Bancroft
G-4 Facilities Office 3456/3390
3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Project P-679 - (Electronics/Communications Maintenance Shop) construct two (2) shop building, one-single story, the other part a two-story, Bldgs shall be steel frame structure and shallow foundation. Function of Bldg to include repair shop, storage areas, class room, mens and women's toilets, and office and admin areas. Two 5 ton monorail hoists and a 5 ton bridge crane hoist are included. Office/Admin areas, class rooms, tech shops and lithium battery storage areas will be air conditioned. other areas will be heated and ventilated only. Engine exhaust systems will be provided in all vehicle shops. The entire building will have fire alarm and sprinkle systems. 400 HZ and 28VDC power will be provided in certain tech shops. 60 cycle power and grounding will be provided at exterior van parking. Equipment grounding system and compressed air system will be provided in all shops. Supporting facilities will include site improvements, security lighting and fencing, utility connections, bituminous paved parking and concrete paved wash areas. Air conditioning: 40 tons

This project will not cause additional air or water pollution. The project environmental impact assessment will be made, reviewed and where required the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.

4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map, showing location of proposed action/project site(s)).

5. Potential Environmental Impact/Considerations: (See Note 1)

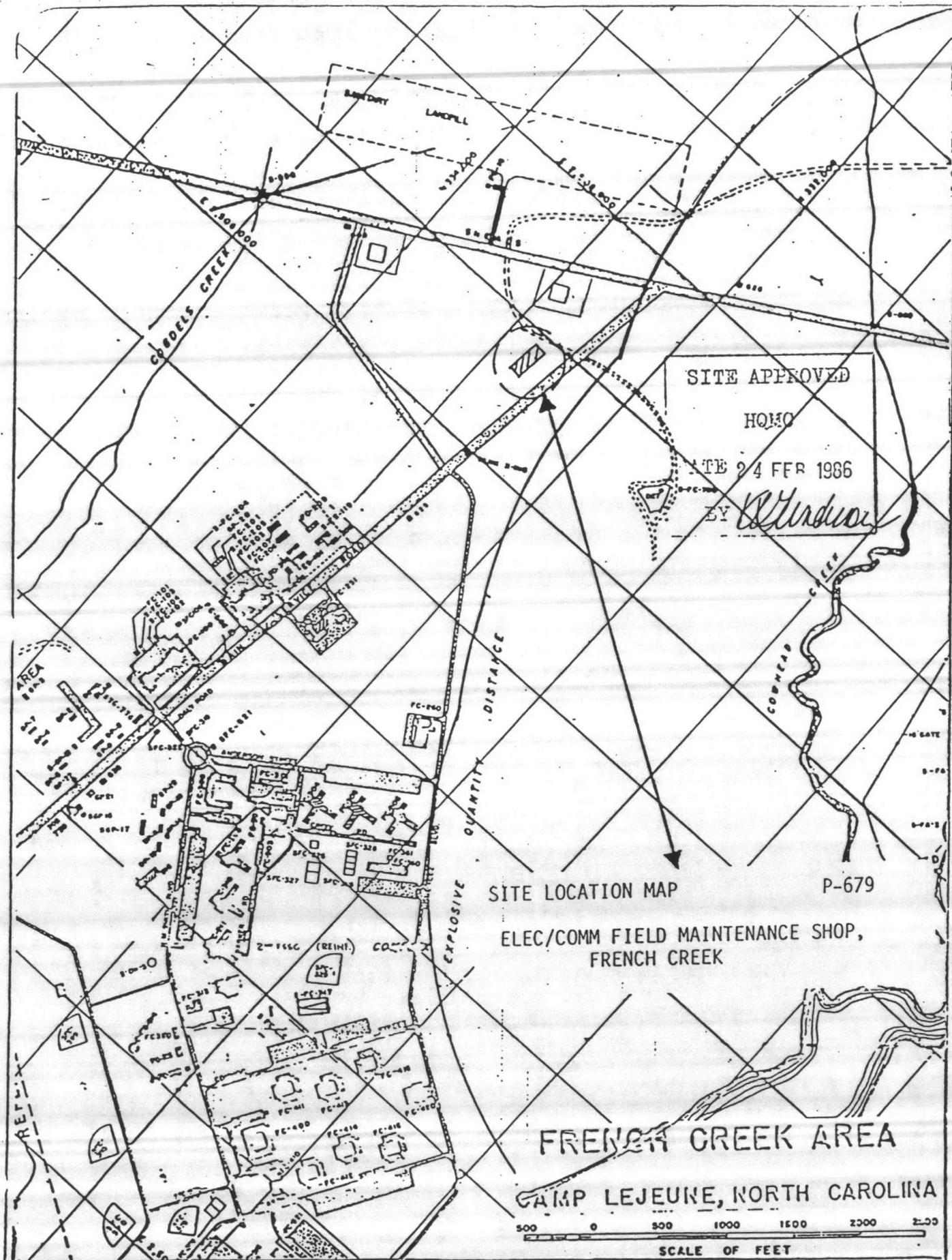
- a. Air Quality: Will there be any open burning associated with the project/action? No Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? No Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? No Will the project involve the use or disposal of asbestos? No Will project cause dust problems? No
- b. Land Quality: Will the action require use of significant amount of earthen fill material? No Will there be an increase in level of soil disturbance/damage to vegetation? No Will there be one acre or more of land cleared/disturbed? No
- c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? No Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No Will there be any wells dug or any excavations deeper than twenty feet? No Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? Yes Will there be a net increase of solid waste caused by implementing the project/action? No Will the project or action be carried out within 200 feet of a drinking water supply well? No
- d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? No Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? No Will all wastewater be connected to sanitary sewer? Yes Will there be an increase in erosion/siltation from soil disturbing activity? No Will petroleum oil and lubricants be routinely stored or used at the site? No Will the project increase rates of surface/storm water run-off? No
- e. Natural Resources: Will there be a loss of forest land? No Will public access for hunting, boating, fishing, etc., be restricted? No Is there a change in land use from what is presently shown in Base Master Plan? No Will removal of existing vegetation be required? Yes Are there any known effects on any endangered species? No Does the project involve the purchase or sale of any real estate? No
- f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? No Will there be any increased demand on a local or state government to provide services? No Will there be any changes to traffic flow and patterns on or off-base? No Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No Is there any known controversy associated with the type of project or action proposed? No Are there any historical or archaeological sites affected by project/action? No

NOTE 1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the FIRE.

ENCLOSURE (1)

ENCLOSURE (1)

ENC 8



SITE APPROVED

HQMO

DATE 24 FEB 1986

BY *W. H. Hurdman*

SITE LOCATION MAP

P-679

ELEC/COMM FIELD MAINTENANCE SHOP,
FRENCH CREEK

FRENCH CREEK AREA

CAMP LEJEUNE, NORTH CAROLINA

500 0 500 1000 1500 2000 2500

SCALE OF FEET

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or Ms. H. L. Hughs, at 451-6518 or 6686
3. Headquarters Building (Station), P-489

The proposed project will provide a facility to support all Air Station Headquarters functions.

This project is tentatively scheduled for Fiscal Year 1990.

All environmental protection regulations will be strictly adhered to. No significant adverse effect on the environment is anticipated.

4. Location: See attached Site Location map.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO Will there be an increase in level of soil disturbance/damage to vegetation? NO Will there be one acre or more of land disturbed? NO

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any than excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

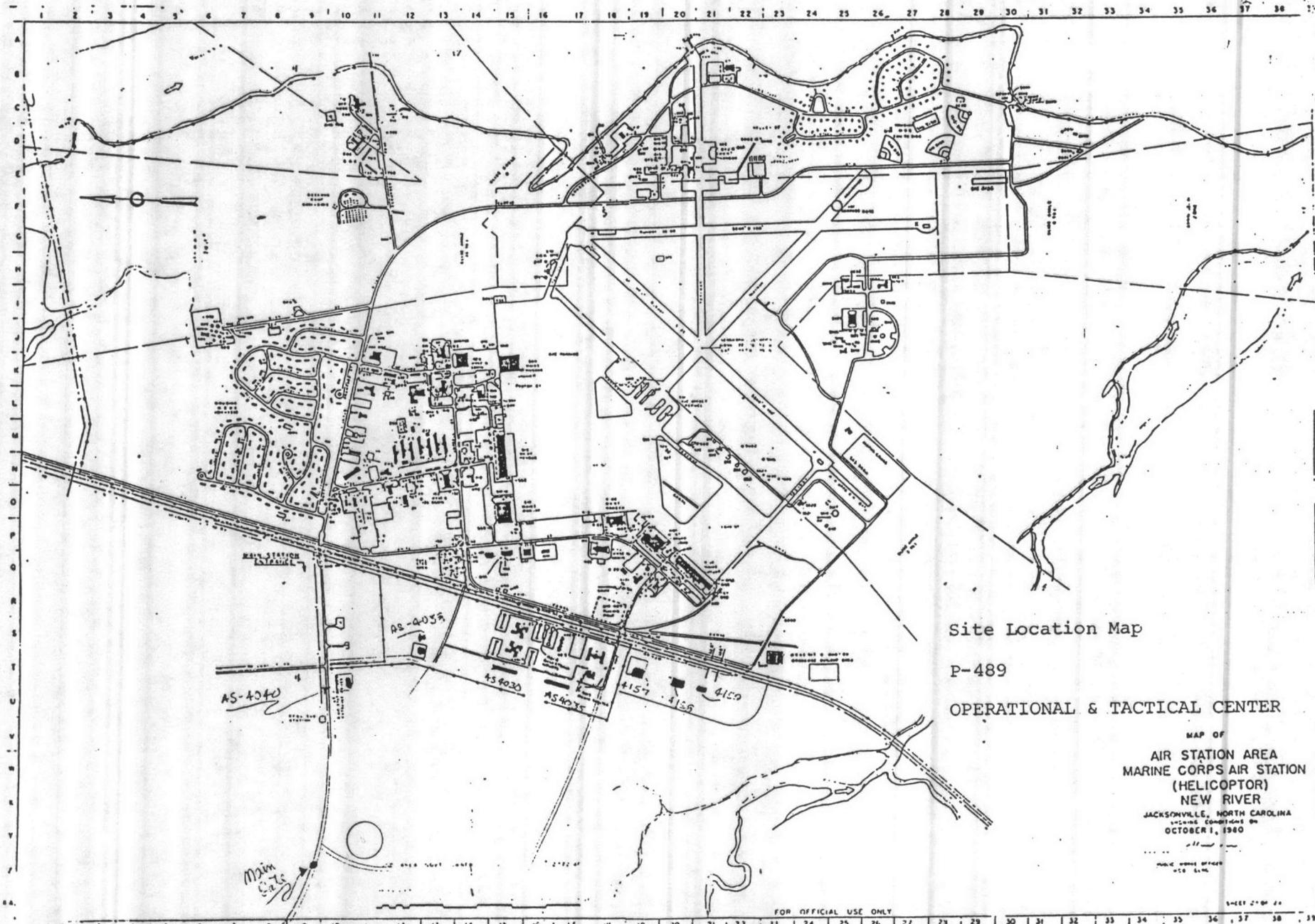
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? NO

Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? NO

e. Natural Resources: Will there be a loss of forest land? YES Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any significant changes to traffic flow and patterns on or off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

ENCLOSURE (1)



Site Location Map

P-489

OPERATIONAL & TACTICAL CENTER

MAP OF
 AIR STATION AREA
 MARINE CORPS AIR STATION
 (HELICOPTOR)
 NEW RIVER
 JACKSONVILLE, NORTH CAROLINA
 ISSUE CONDITIONS ON
 OCTOBER 1, 1980

PUBLIC WORKS OFFICE
 WFO LHM

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SHEET 27 OF 28

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or Ms. H. L. Hughs, at 451-6518 or 6686
3. Property Control Facility, P-515

The proposed project will provide Fleet Marine Force (FMF) unit storage space for Marine Aircraft Group 29 (MAG-29) property, including security areas for highly pilferable properties, weapons and operational spaces.

This project is tentatively scheduled for Fiscal Year 1991.

All environmental protection regulations will be strictly adhered to. No significant adverse effect on the environment is anticipated.

4. Location: See attached Site Location map.
5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO Will there be an increase in level of soil disturbance/damage to vegetation? YES Will there be one acre or more of land disturbed? YES

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any than excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? YES Will the project increase rates of surface/storm water run-off? Yes

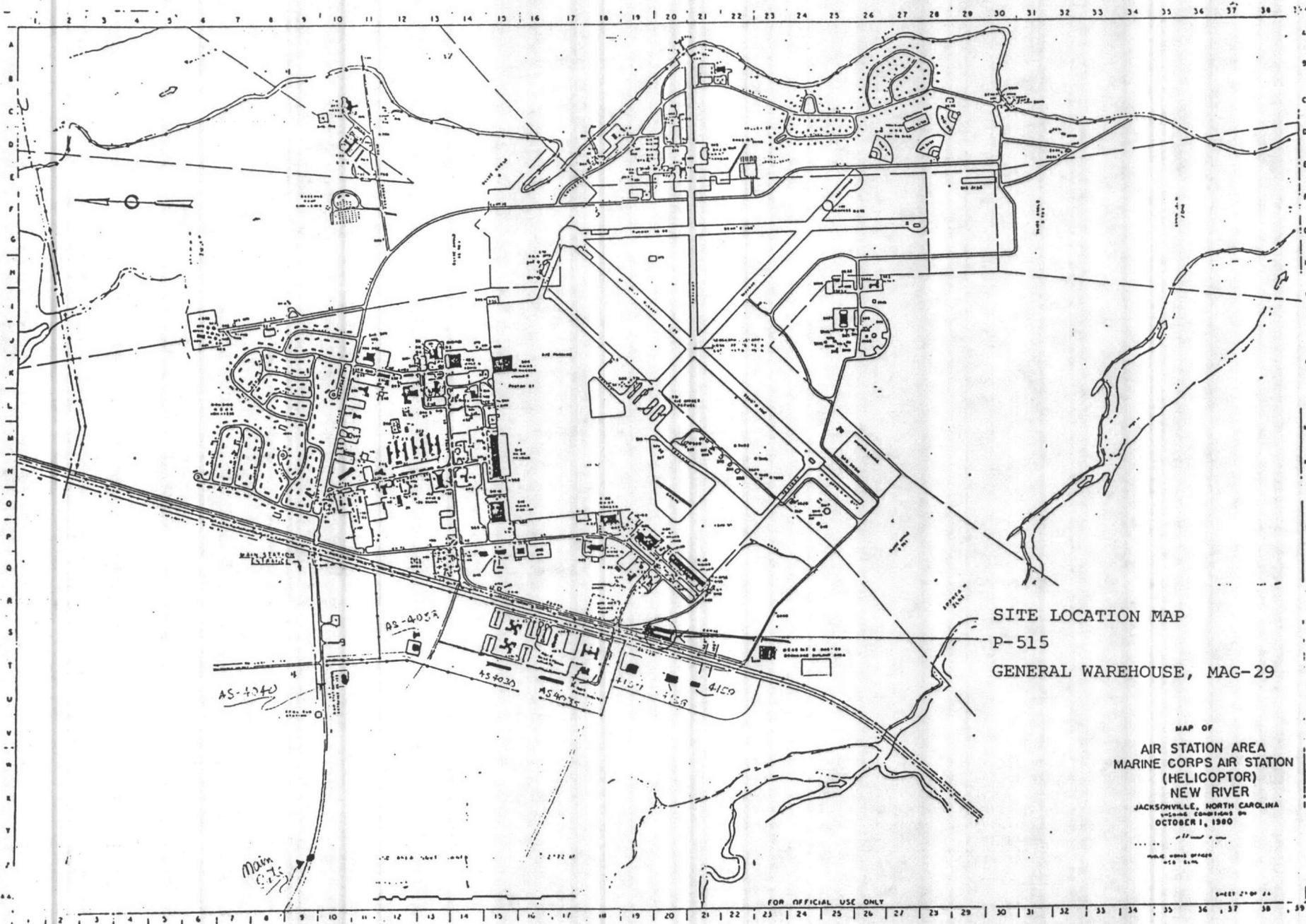
e. Natural Resources: Will there be a loss of forest land? YES Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any significant changes to traffic flow and patterns on or off-base persons or property? YES Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

ENCLOSURE

2

ENC 10



SITE LOCATION MAP
 P-515
 GENERAL WAREHOUSE, MAG-29

MAP OF
 AIR STATION AREA
 MARINE CORPS AIR STATION
 (HELICOPTOR)
 NEW RIVER
 JACKSONVILLE, NORTH CAROLINA
 INCLUDING CONDITIONS ON
 OCTOBER 1, 1960
 SCALE: 1" = 100'
 MAP CORPS OFFICE
 WDC 2400

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or
Ms. H. L. Hughs, at 451-6518 or 6686
3. Applied Instruction Building (NAMTRADET), P-525

The proposed project will provide a maintenance training facility in support of the MV-22 aircraft.

This project is tentatively scheduled for Fiscal Year 1990.

All environmental protection regulations will be strictly adhered to. No significant adverse effect on the environment is anticipated.

4. Location: See attached Site Location map.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? NO Will there be an increase in level of soil disturbance to vegetation? YES Will there be one acre or more of land disturbed? YES

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any than excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

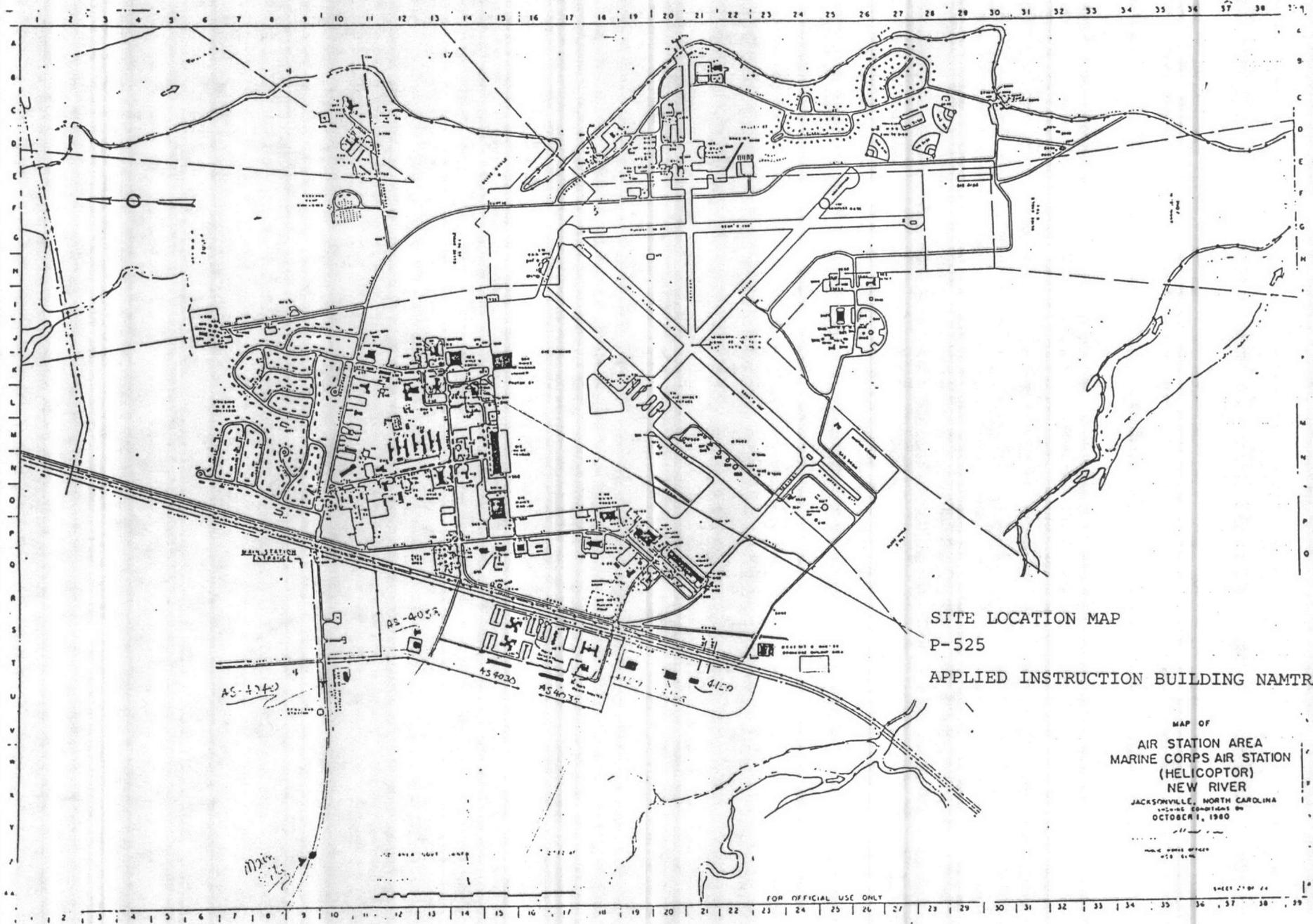
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? NO

e. Natural Resources: Will there be a loss of forest land? NO Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? NO Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any significant changes to traffic flow and patterns on or off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

ENC 11

ENCLOSURE (3)



SITE LOCATION MAP
P-525

APPLIED INSTRUCTION BUILDING NAMTRADET

MAP OF
AIR STATION AREA
MARINE CORPS AIR STATION
(HELICOPTOR)
NEW RIVER
JACKSONVILLE, NORTH CAROLINA
SCALE: 1:50,000
OCTOBER 1, 1960

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SHEET 27 OF 28

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or Mrs. M. G. Briley, extension 6518
3. FY 91 PROJECT P-526, MAINTENANCE HANGAR

This project will construct an organizational maintenance hangar and supporting facilities to include a wash rack, hazardous flammable building, a noise suppression wall, security fencing and lighting and miscellaneous pavements which include an aircraft parking apron, taxiways, POV and organic parking, and rerouting of Curtis Road. Hangar construction will include pile foundation and project will require controlled storm water run off and the inclusion of oil/water separator in selected areas.

4. Location: See attached Site Location map.

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? YES Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? YES Will there be an increase in level of soil disturbance/damage to vegetation? YES Will there be one acre or more of land disturbed? YES

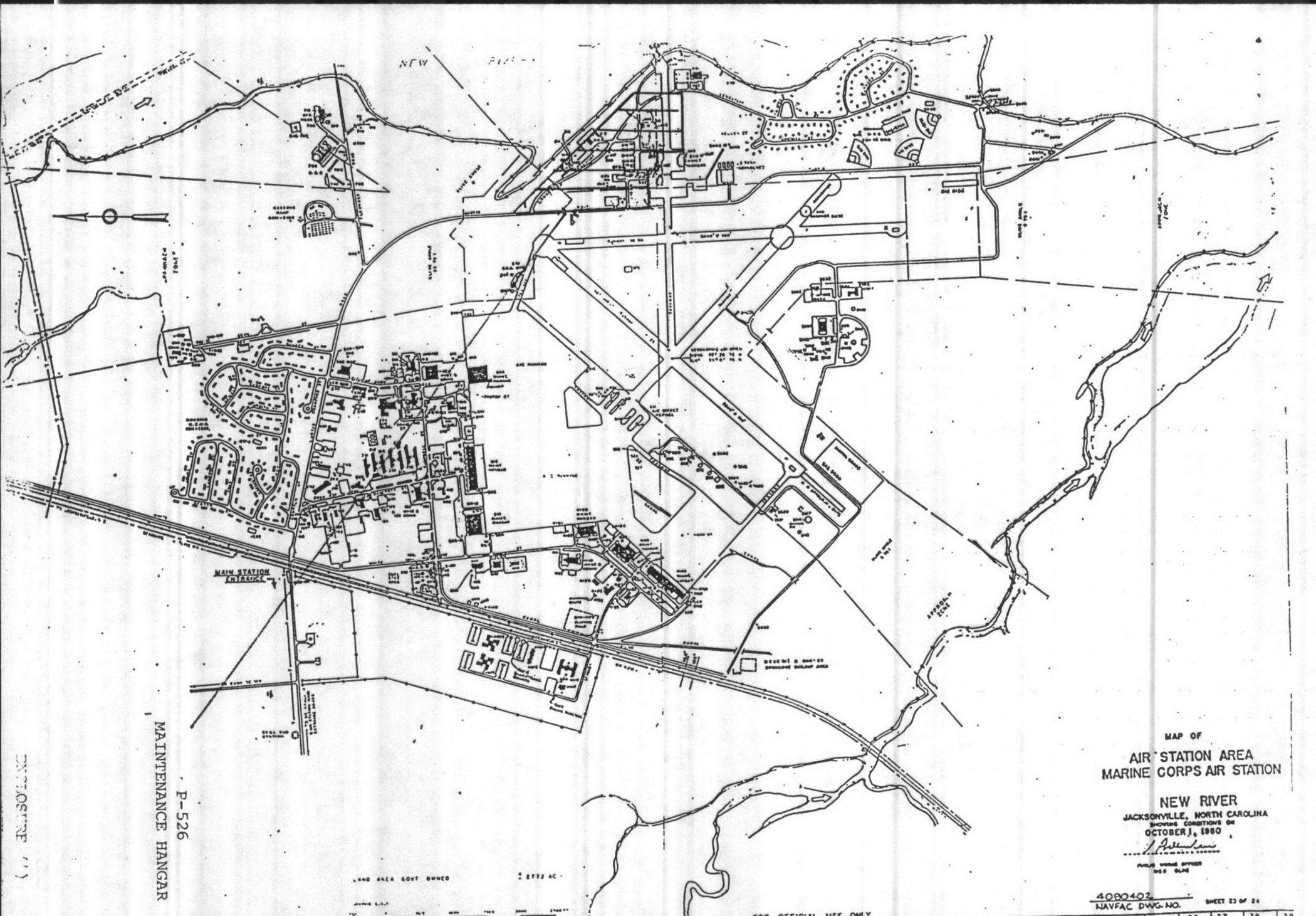
c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? YES Will there be a net increase of solid waste caused by implementing the project/action? YES Will the project or action be carried out within 200 feet of a drinking water supply well? NO

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? YES Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? YES Will petroleum oil and lubricants be routinely stored or used at the site? YES Will the project increase rates of surface/storm water run-off? YES

e. Natural Resources: Will there be a loss of forest land? NO Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? YES Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase in on or off-base military population? YES Will there be any increased demand on a local or state government to provide services? NO Will there be any changes to traffic flow and patterns on or off-base persons or property? YES Is there any known controversy associated with the type of project or action proposed? YES Are there any historical or archaeological sites affected by project/action? NO

ENC 12



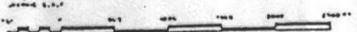
MAP OF
 AIR STATION AREA
 MARINE CORPS AIR STATION

NEW RIVER
 JACKSONVILLE, NORTH CAROLINA
 SHOWING CONDITIONS ON
 OCTOBER 1, 1980

J. P. Williams
 PLANS UNIT OFFICER
 MCAS NEW RIVER

MAINTENANCE HANGAR
 P-526

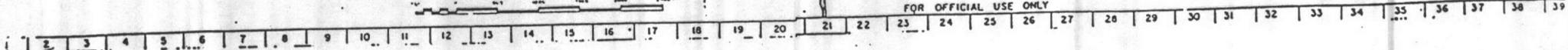
LAND AREA GOVT OWNED 2872 AC



FOR OFFICIAL USE ONLY

4080402
 NAVFAC DWG. NO. SHEET 23 OF 24

ENCLOSURE (1)



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW

1. Action Sponsor: Marine Corps Air Station, New River
2. Name, Address, Phone Number of Point of Contact: Mr. F. E. Acosta or Ms. H. L. Hughs, at 451-6518 or 6686
3. Aircraft Parking Apron and Taxiway Addition, P-536

The proposed project will provide additional parking in support of the MV-22.

This project is tentatively scheduled for Fiscal Year 1991.

All environmental protection regulations will be strictly adhered to. No significant adverse effect on the environment is anticipated.

4. Location: See attached Site Location map.
5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other-vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? YES Will there be an increase in level of soil disturbance/damage to vegetation? NO Will there be one acre or more of land disturbed? YES

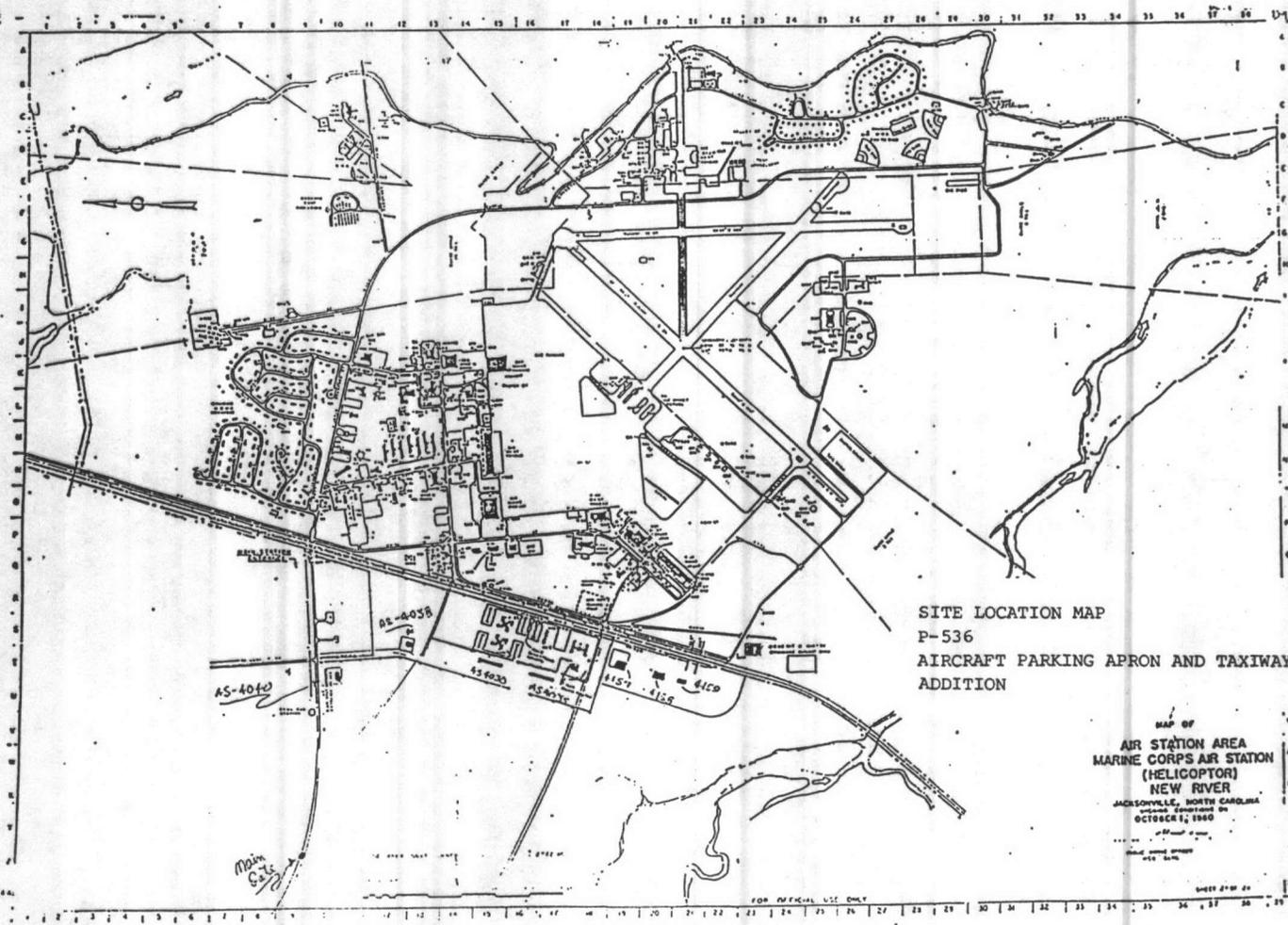
c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any than excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? NO Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? YES

e. Natural Resources: Will there be a loss of forest land? NO Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any significant changes to traffic flow and patterns on or off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

ENCL 13



SITE LOCATION MAP
P-536
AIRCRAFT PARKING APRON AND TAXIWAY
ADDITION

MAP OF
AIR STATION AREA
MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER
JACKSONVILLE, NORTH CAROLINA
BASED ON DATA AS OF
OCTOBER 1, 1960
SCALE: AS SHOWN
SHEET 2 OF 20

FOR OFFICIAL USE ONLY

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

- 1. Action Sponsor: Commanding Officer, MCSSS, Camp Johnson
- 2. Name, Address, Phone Number of Point of Contact: Major N. A. Baker, S-4, MCSSS
451-0973/0839
- 3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Mechanics Training Building (Increment 3) Proposed for FY90

Construct a permanent masonry building to accommodate applied instruction for the Motor Transport school, which encompasses automotive intermediate maintenance courses in gasoline and diesel engines, fuel and electrical, power transmission, and other vehicle related courses. The building will consist of wall bearing masonry structure, reinforced concrete floor, interior masonry partitions, steel joists, metal roof decking, roof insulation and built-up roofing, and special wall treatment to suppress sound transmissions; heating, ventilation, and air conditioning; exterior utilities, paving, and site improvements.

Provide adequate facilities for training military personnel in 2nd, 3rd, and 4th echelon maintenance of Marine Corps equipment. Both academic and applied instruction will be accomplished in this facility. This is the only formal mechanics school in the Marine Corps. It employs 64 full-time instructors and instructs over 1,580 students annually. The present facilities are used to capacity, and it is anticipated that the work load will increase as the new Field Logistic System is introduced into the Marine Corps. The Field Logistic System is a logistics system comprised of several subsystems such as motor transportation, material handling, container and shelter logistics.

The existing mechanics training school instruction is accomplished in converted 40 year-old storage facilities, messhall, barracks, and a varied assortment of enclosed metal structures. Many were built without utilities and plumbing. There are no other facilities which can be used for this purpose. Further consolidating the instruction facility will reduce the span of control lost time resulting from moving from one applied instruction facility to another.

4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

5. Potential Environmental Impact/Considerations: (See Note 1)

a. Air Quality: Will there be any open burning associated with the project/ action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? UNKNOWN Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? YES Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

b. Land Quality: Will the action require use of significant amount of earthen fill material? YES Will there be an increase in level of soil disturbance/damage to vegetation? YES Will there be one acre or more of land cleared/disturbed? YES

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? YES UNKNOWN Will there be any wells dug or any excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? YES Will there be a net increase of solid waste caused by implementing the project/action? YES Will the project or action be carried out within 200 feet of a drinking water supply well? UNKNOWN

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? UNKNOWN Will all wastewater be connected to sanitary sewer? YES Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? YES Will the project increase rates of surface/storm water run-off? NO

e. Natural Resources: Will there be a loss of forest land? NO Will public access for hunting, boating, fishing, etc... be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? YES Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any changes to traffic flow and patterns on or off-base? NO Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO

NOTE 1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRE.

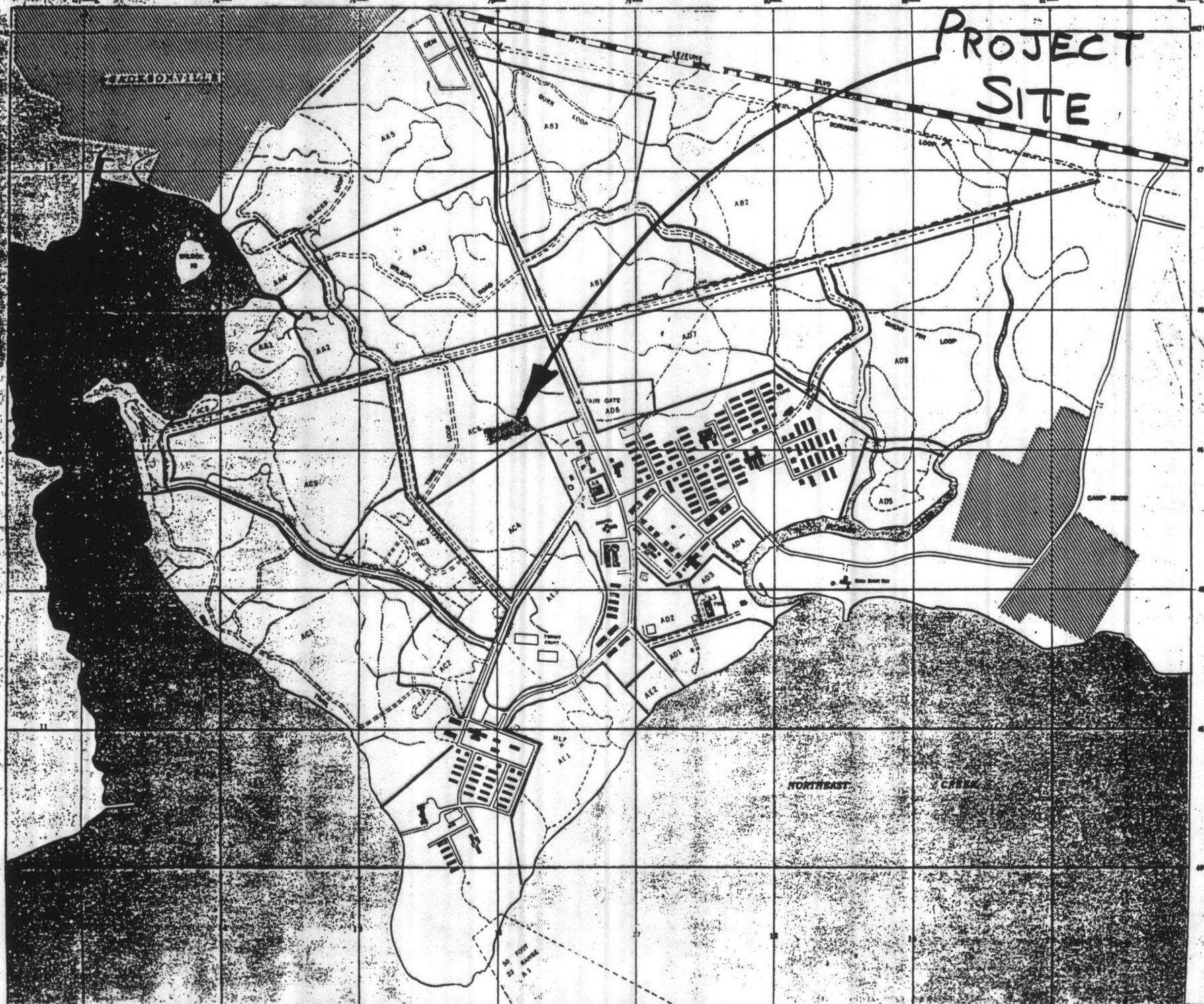
ENC 14

ENCLOSURE (1)

ENCLOSURE (1)

MTS WILSON BAY

PROJECT
SITE



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

1. Action Sponsor: Commanding Officer, MCSSS, Camp Johnson
2. Name, Address, Phone Number of Point of Contact: Major N. A. Baker, S-4, MCSSS
451-0973/0839

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Driver Training School (Increment 4) Proposed for FY91

Construct a permanent masonry academic instruction building consisting of reinforced concrete foundation and floors, structural steel framing, masonry walls, built-up roof and insulation with steel joist and interior support systems (i. e.: HVAC system, communication and fire alarm systems, etc.) Construct a vehicle maintenance shop with high bays of structural steel framing and reinforced concrete foundation and floors with masonry walls, and built-up roof and insulation. Interior support systems (HVAC, communications and fire alarm system, compressed air, central lube systems, hydraulic lifts, overhead bridge crane, engine exhaust system etc.) storage for POL, hazardous, and flammable storage.

Exterior support systems for the Driver Training Facility include, wash aprons with pollution control, 2-38' x 68' shelters with concrete floors, fencing and lighting, pavement, site improvements, fording pit, interior and exterior utility connections.

Provide adequate facilities for training military personnel in the operation of various types of organizational vehicles along with first and second echelon maintenance. The East Coast Consolidated Driver Training School maintains over 400 pieces of rolling stock and employs approximately 110 instructors and 20 vehicle maintenance workers. The school provides academic instruction for 3,334 students.

The MVOC is a new mission and no facilities exist in the Camp Johnson Area that can be utilized in support of this mission. Existing inadequate facilities in the Camp Geiger area will be utilized until new construction is completed.

ENCLOSURE (1)

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

1. Action Sponsor: Commanding Officer, MCSSS, Camp Johnson
2. Name, Address, Phone Number of Point of Contact: Major N. A. Baker, S-4, MCSSS
451-0973/0839

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Driver Training School (Increment 4) Proposed for FY91

Construct a permanent masonry academic instruction building consisting of reinforced concrete foundation and floors, structural steel framing, masonry walls, built-up roof and insulation with steel joist and interior support systems (i. e.: HVAC system, communication and fire alarm systems, etc.) Construct a vehicle maintenance shop with high bays of structural steel framing and reinforced concrete foundation and floors with masonry walls, and built-up roof and insulation. Interior support systems (HVAC, communications and fire alarm system, compressed air, central lube systems, hydraulic lifts, overhead bridge crane, engine exhaust system etc.) storage for POL, hazardous, and flammable storage.

Exterior support systems for the Driver Training Facility include, wash aprons with pollution control, 2-38' x 68' shelters with concrete floors, fencing and lighting, pavement, site improvements, fording pit, interior and exterior utility connections.

Provide adequate facilities for training military personnel in the operation of various types of organizational vehicles along with first and second echelon maintenance. The East Coast Consolidated Driver Training School maintains over 400 pieces of rolling stock and employs approximately 110 instructors and 20 vehicle maintenance workers. The school provides academic instruction for 3,334 students.

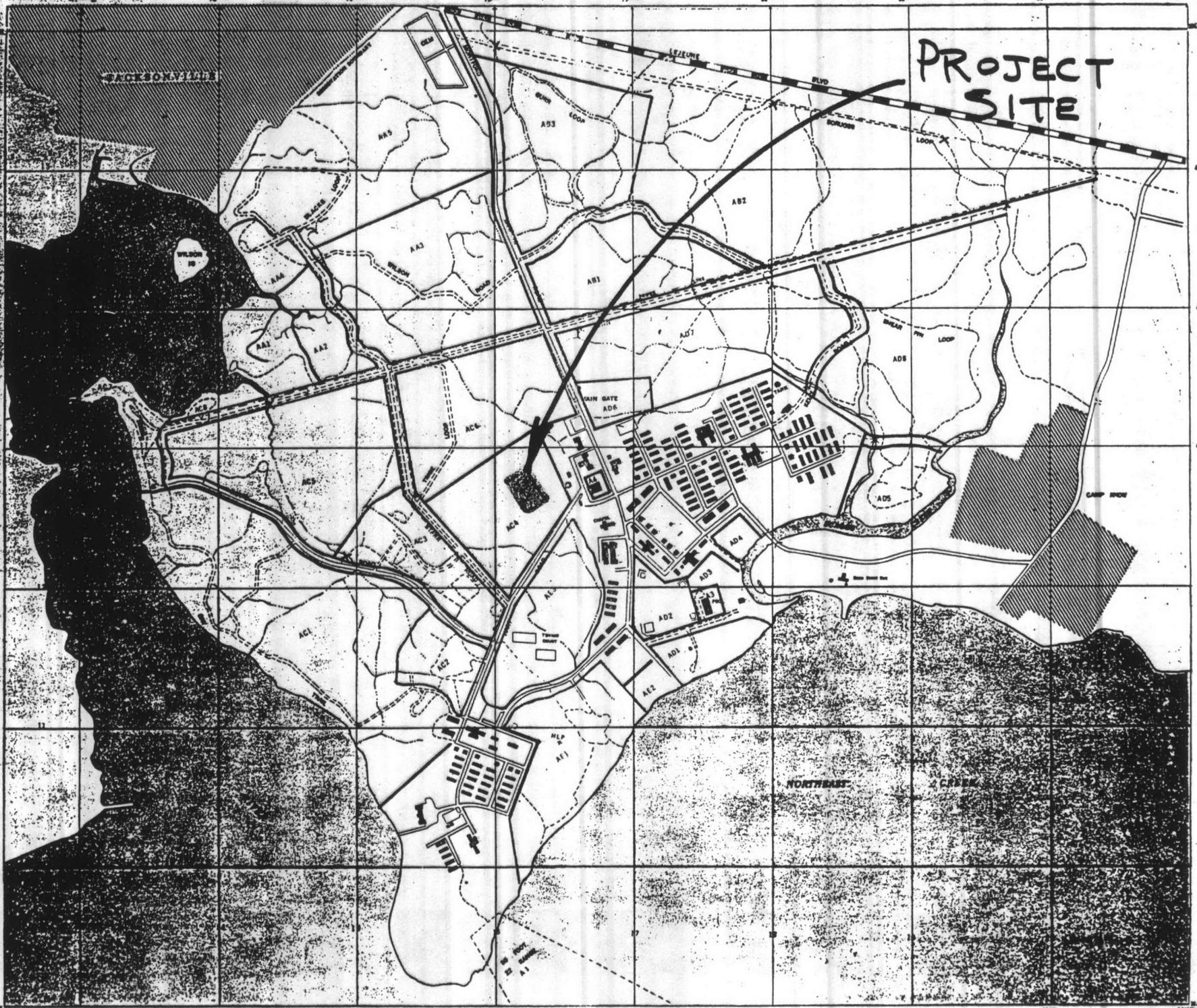
The MVOC is a new mission and no facilities exist in the Camp Johnson Area that can be utilized in support of this mission. Existing inadequate facilities in the Camp Geiger area will be utilized until new construction is completed.

ENCLOSURE (1)

ENC 15

MTS WILSON BAY

PROJECT SITE



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW:

1. Action Sponsor: Director, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune, North Carolina.

2. Name, address, phone number of point of contact:

Peter E. Black, Base Forester, Building 1103, Marine Corps Base, Camp Lejeune, North Carolina, telephone 451-2083.

3. Title and brief description of proposed action:

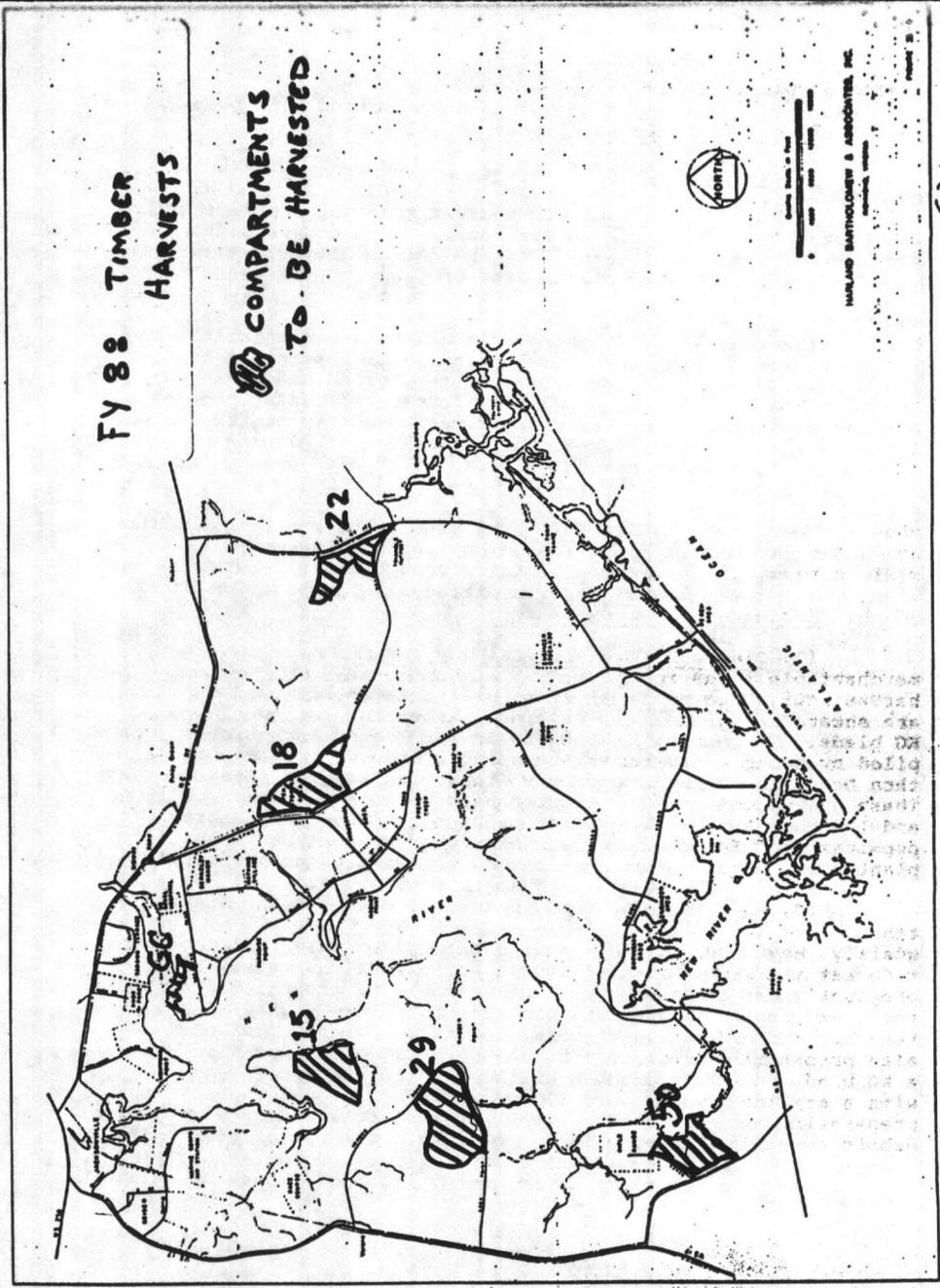
Scheduled compartment sales of merchantable timber and associated silvicultural treatment practices for Compartments 15, 18, 22, 29, 50, and the Golf Course Thinning aboard Camp Lejeune, North Carolina, are shown in Attachment (1).

The proposed timber harvests will be affected through timber sale contracts administered by the Resident Officer in Charge of Construction, Jacksonville, North Carolina. The purpose of the harvests is as follows:

- a. To generate income from the sale of stumpage.
- b. To improve vigor, quality and growth rates of residual timber.
- c. To regenerate selected stands as required to develop and maintain a balanced, even age, multiple use sustained yield forest.
- d. To reduce susceptibility of timber to disease/insect infestations.
- e. To improve wildlife habitat.
- f. To implement federal law dealing with the management of public land.

The proposed harvests will implement the multiple use objectives of the Natural Resources Management Plan for Camp Lejeune. The plan was developed in 1975 in accordance with MCO P11000.8B, MCO P11000.5 and MCO P11000.7. Income produced is utilized for the funding of the DON Forest Management Program. 40% of the net proceeds from the sale of forest products will be returned to local governments to be utilized by the county schools system.

ENC 16



MARLAND MATTHEWS & ASSOCIATES, INC.

Attachment (1)

The timber harvesting methods and associated site preparation treatment practices are summarized as follows:

a. Intermediate Cuts

(1) Crown thinning: In a crown thinning, smaller trees are removed from the lower crown canopy. The crown thinning simulates through harvesting the natural extermination of the smaller, less vigorous trees. No associated site preparation treatment is required.

(2) Leave-tree Thinning: In a leave-tree thinning, the number of trees to be left after thinning is determined by the prevailing diameter of the large, better formed and faster growing trees in the stand. Larger, better formed and faster growing trees are marked with blue to prevent harvesting and to ensure full stocking and the remainder of the trees are marked with red, yellow or orange paint and removed. No associated site preparation treatment is required.

(3) Pine Only Removal: The pine trees are removed from a pine/hardwood stand in a single cutting. This cut is used when the remaining hardwood is thick enough to fully utilize the available growing space. No associated site preparation treatment is required.

b. Regeneration Cuts for Pine

(1) Clearcutting: Clearcutting is the removal of all merchantable trees in one cutting. After completion of the harvest cut, site preparation follows. The unmerchantable trees are sheared at ground level by using a crawler tractor with a KG blade. The resulting debris along with logging slash is then piled by using a crawler tractor with root rake. The area is then bedded by using a crawler tractor and a bedding harrow. These operations are not routinely scheduled between 1 April and 1 August because of possible adverse impact upon wildlife populations. Following site preparation, the area will be planted by machine or by hand, between 1 December and 1 April.

(2) Seedtree: A seedtree cut is removal of all merchantable stems in one cutting except for a small number of high quality, evenly distributed trees capable of producing seed to reforest the site. Because pine seed are very light, site preparation is usually required. Site preparation methods routinely used are (1) a drum chopper pulled by a crawler tractor; (2) a drum chopper pulled by a crawler followed by a site preparation burn; or (3), a crawler tractor equipped with a KG blade to shear unmerchantable trees, followed by wind-rowing with a crawler tractor with a root rake. The use of these site preparation techniques is primarily governed by the amount of debris remaining on the site following logging. These operations

are not routinely scheduled between 1 April and 1 August because of possible adverse impact on wildlife populations. After the site has become adequately stocked, the seedtrees will then be removed by conventional logging methods.

(3) Shelterwood: A shelterwood is the removal of mature timber in a series of cuttings which extend over a relatively short period of the rotation. Regeneration is established naturally over a period of years under the shelter of the remaining trees. This is generally utilized for the natural regeneration of longleaf pine. Site preparation consists of using a drum chopper or heavy disc pulled by a crawler tractor, and followed by a site preparation burn when required. Site preparation will not be routinely scheduled between 1 April and 1 August because of possible adverse impact on wildlife populations. After the site has become adequately stocked, the shelterwood seed source will be removed by conventional logging methods.

c. Regeneration Cuts for Hardwood

(1) Clearcutting: Clearcutting is the removal of all merchantable trees in one cutting. Remaining cull of small trees will be killed or cut to release the more valuable intolerant species that will regenerate. Regeneration of hardwoods by clearcutting depends on advance reproduction and sprouts from stumps or root systems from the trees that were removed. Mechanical site preparation is not routinely required.

(2) Shelterwood: A shelterwood is a removal of mature timber in a series of cuttings which extend over a relatively short period of the rotation. Removal of the less valuable tolerant species is the first step which will allow the establishment of seedlings from the intolerant hickory, beech and oak. While the intolerant reproduction is reaching adequate size, the remaining overstory is removed in a series of cuts. Mechanical site preparation is not routinely required.

4. Locations: Areas to be harvested are shown individually on attachment (2), including keys showing the type of harvest proposed.

5. Potential Environmental Impact/Consideration

a. Air Quality:

(1) Will there be any open burning associated with the project/action? YES There will be some burning for site preparation after the logging operations have been completed. This activity will be conducted under forest management guidelines and there should be no adverse environmental impact. In areas where it is felt that smoke management could create significant problems; site preparation will be accomplished by mechanical means only.

(2) Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO

(3) Will there be any paint booths, solvent vats, degreasers, or other vapor-producing industrial processes involved? NO

(4) Will the project involve the use or disposal of asbestos? NO

(5) Will the project cause dust problems? NO

b. Land Quality:

(1) Will the action require use of significant amounts of earthen fill material? NO

(2) Will there be an increase in level of soil disturbance/damage to the vegetation? YES Soil erosion and runoff will increase temporarily but should not pose any significant problems. Logging decks and skid trails will be seeded after completion of operations.

(3) Will there be one acre or more of land cleared/disturbed? YES

c. Groundwater Quality:

(1) Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO

(2) Does the project involve installation/use of septic tanks or other on-site disposal of sanitary waste? NO

(3) Will there be any wells dug or any excavations deeper than 20 feet? NO

(4) Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? YES

Logging equipment will be refueled and lubricated on the job. Contractor is required by contract to prevent spills, report spills to Base authorities and to remove all waste petroleum products from work site and dispose of these products properly.

(5) Will there be a net increase of solid waste caused by implementing the project/action? NO

(6) Will the project or action be carried out within 100 feet of a drinking water supply well? YES There are several drinking water supply wells in or near stands proposed for logging operations in Compartments 18 and 50. These wells will not be affected by the proposed action and there will not be an adverse impact on the drinking water supply.

d. Surface Water Quality:

(1) Is the project located on or in a water body or adjacent 100 - year flood plain? YES No construction of facilities is proposed; therefore, federal restrictions on flood plain development are not applicable.

(2) Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO

(3) Will all wastewater be connected to sanitary sewer? NO

(4) Will there be an increase in erosion/siltation from soil disturbing activity? YES (See 5b(2) above)

(5) Will petroleum oil and lubricants be routinely stored or used at the site? YES (See 5c(4) above)

(6) Will the project increase rates of surface/storm water run-off? YES (See 5b(2) above)

e. Natural Resources:

(1) Will there be a loss of forestland? NO

(2) Will public access for hunting, boating, fishing, etc. be restricted? NO

(3) Is there a change in land use from what is presently shown in Base Master Plan? NO

(4) Will removal of existing vegetation be required? YES Prescribed treatment is consistent with standard forestry and wildlife management practices. Effects on wildlife are generally temporary in nature and will not significantly affect any species. Proposed action is consistent with current management objectives contained in the Base Long Range Natural Resources Management Plan.

(5) Are there any known effects on any endangered species? NO

(6) Does the project involve the purchase or sale of any real estate? NO

f. Socio-economic Considerations:

(1) Will the project cause an increase/decrease in off-base military population? NO

(2) Will there be any increased demand on a local or state government to provide services? NO

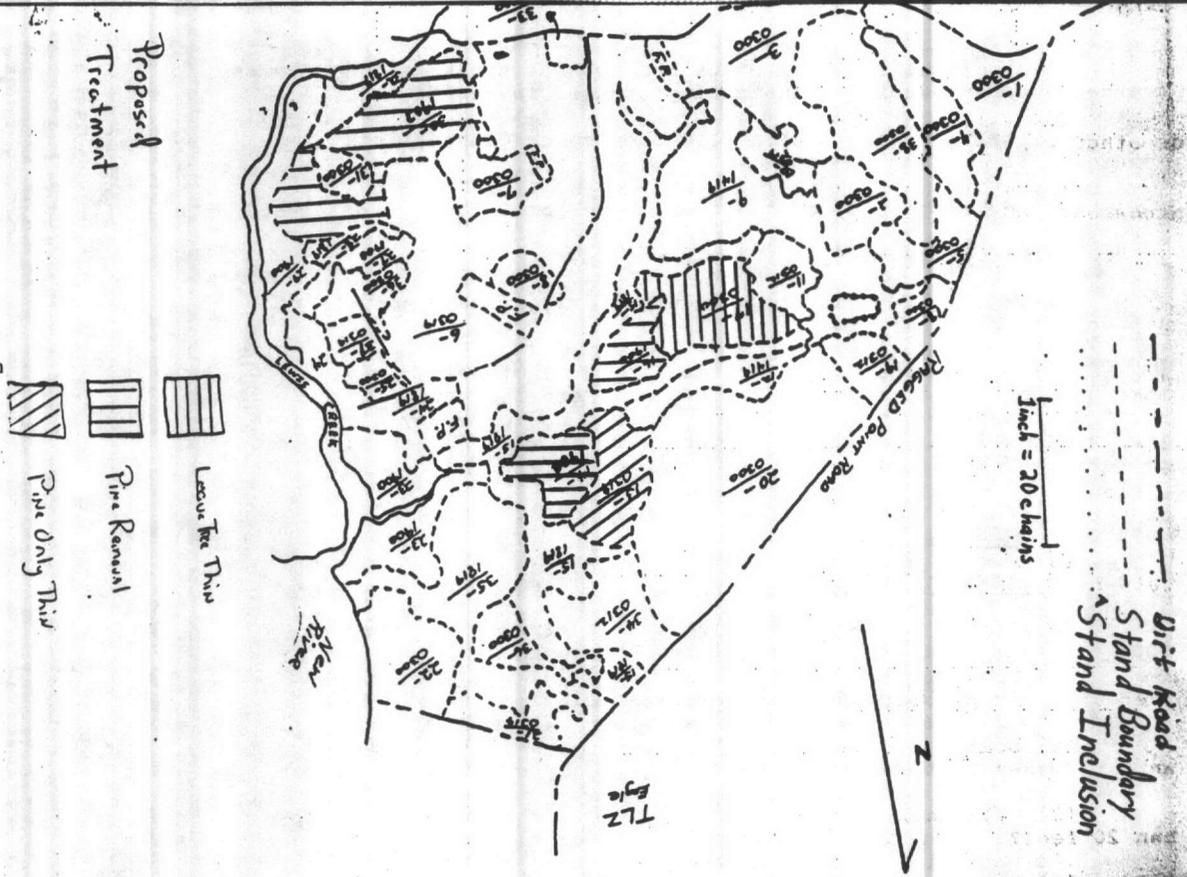
ENC 16

(3) Will there be any changes to traffic flow and patterns on or off-base? NO

(4) Will any noise, traffic, dust, etc. be generated which affect off-base persons or property? NO

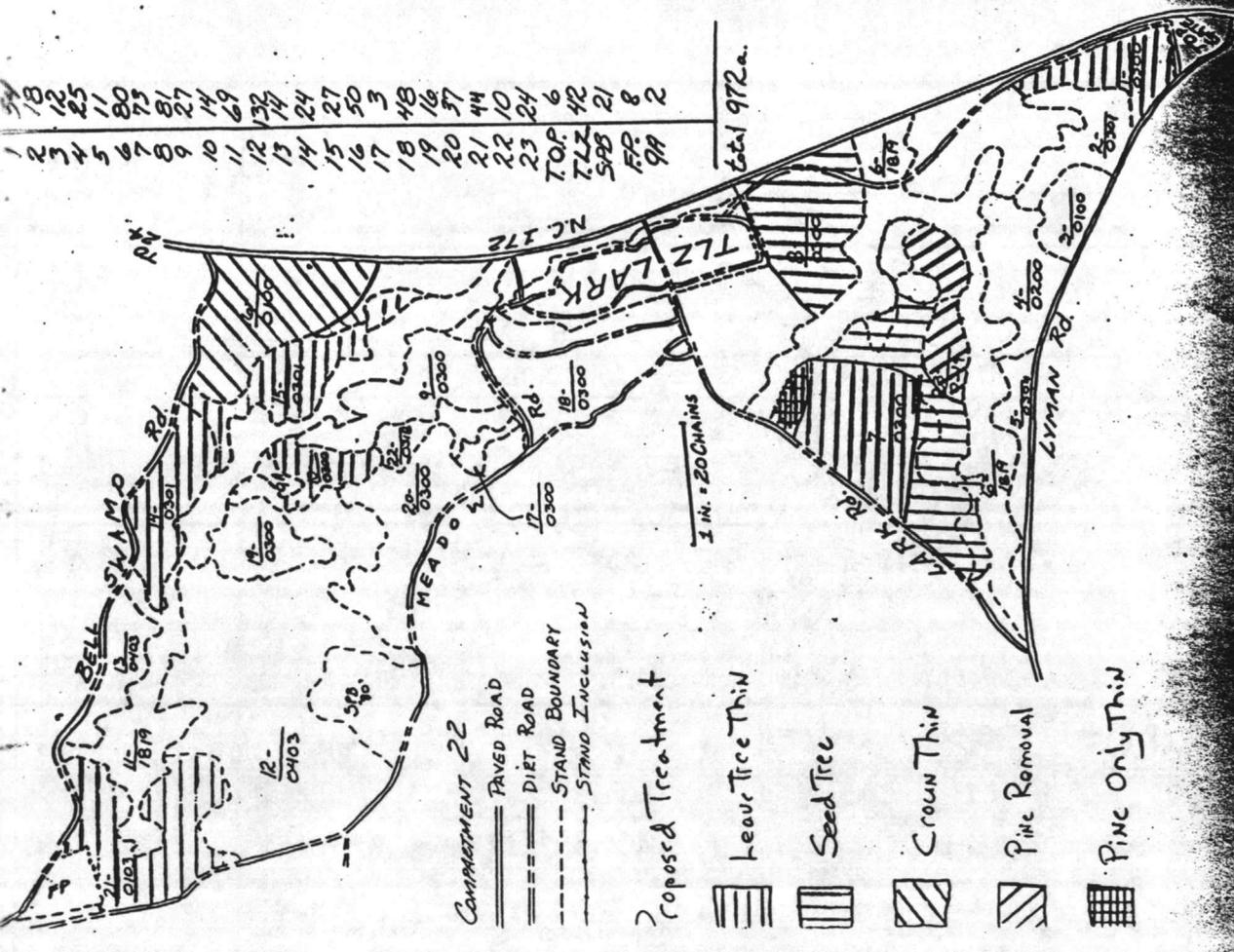
(5) Is there any known controversy associated with the project or action proposed? NO Timber harvesting activities in the golf course area could be controversial. Additional contract restrictions aimed at decreasing the aesthetic impact of the harvesting will be implemented. As shown in Attachment (3), the harvesting, to be accomplished in FY-88, is a prescribed burn, scheduled for FY-89, have been staffed through the Assistant Chief of Staff, Facilities; and the Assistant Chief of Staff, Morale, Welfare and Recreation.

(6) Are there any historical or archaeological sites affected by project/action? NO



STAND	Area	Acres
1		24
2		12
3		29
4		15
5		12
6		125
7		11
8		50
9		5
10		8
11		9
12		8
13		12
14		54
15		8
16		20
17		6
18		69
19		7
20		19
21		24
22		15
23		3
24		7
25		7
26		3
27		7
28		3
29		16
30		4
31		11
32		15
33		16
34		38
35		4
36		4
37		32
38		12
FP		765
Total		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
 24 25 26 27 28 29 30 31 32 33 34
 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54



Total 972a.

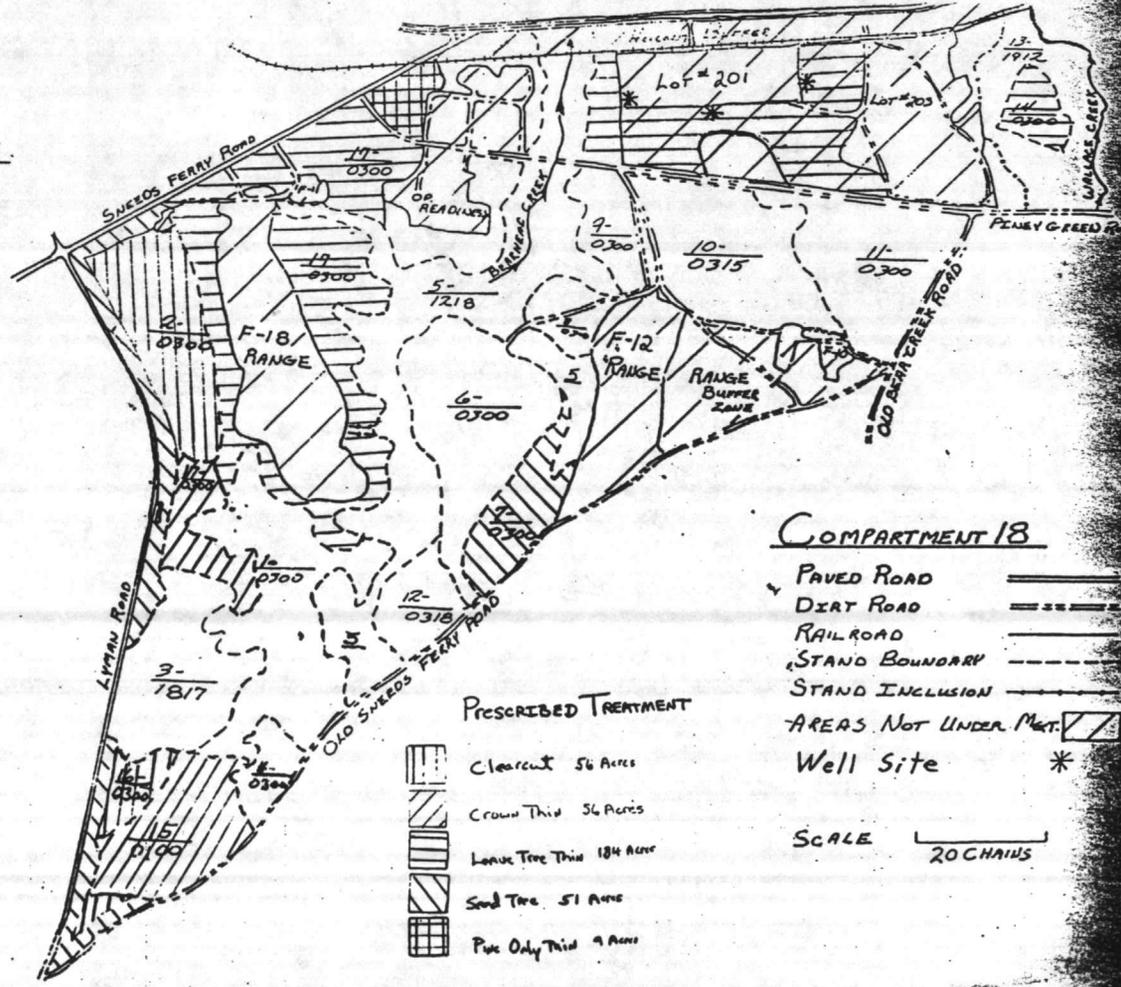
COMPARTMENT 22

- PAVED ROAD
- DIRT ROAD
- STAND BOUNDARY
- STAND INCLUSION

- Coppiced Treatment
- Leaves Tree Thin
- Seed Tree
- Crown Thin
- Pine Removal
- Pine Only Thin

ACREAGE

70
 62
 44
 10
 126
 58
 21
 12
 24
 55
 47
 16
 45
 10
 37
 24
 149
 61
 2
 84
 177
 1135



COMPARTMENT 18

- PAVED ROAD
- DIRT ROAD
- RAILROAD
- STAND BOUNDARY
- STAND INCLUSION
- AREAS NOT UNDER MGMT.
- Well Site *

PRESCRIBED TREATMENT

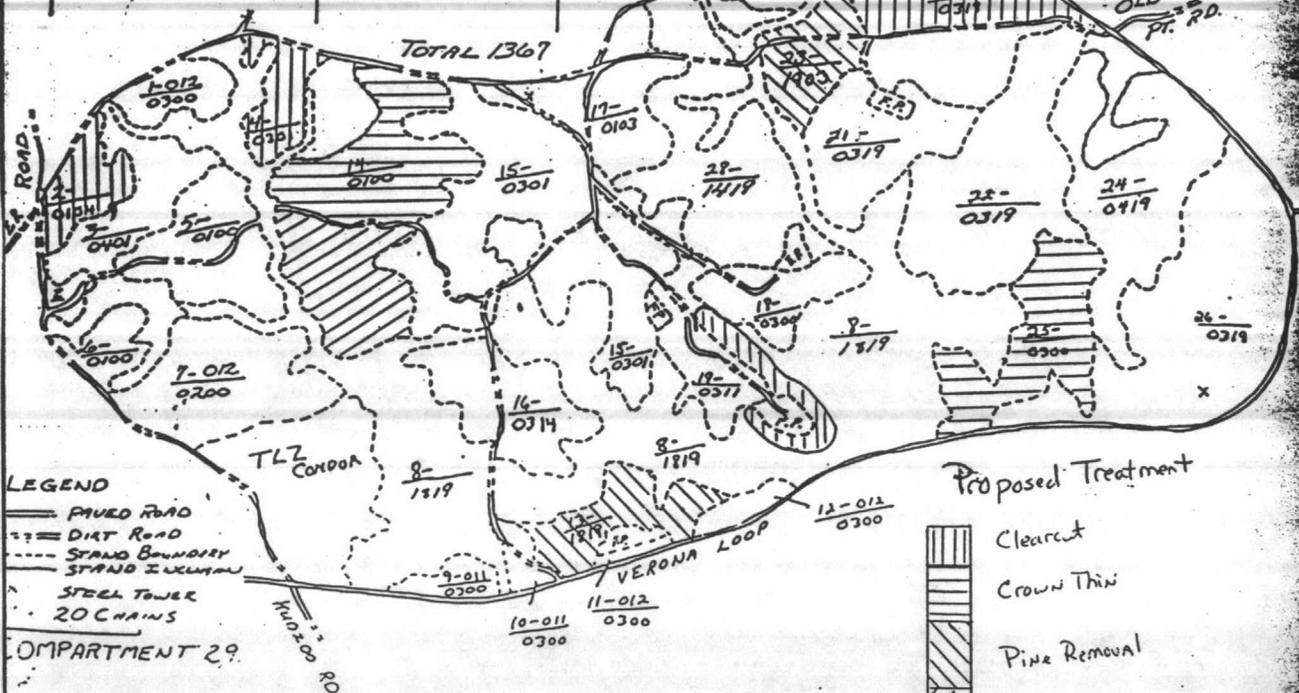
- Clearcut 56 Acres
- Crown Thin 54 Acres
- Leaves Tree Thin 184 Acres
- Seed Tree 51 Acres
- Pine Only Thin 9 Acres

SCALE 20 CHAINS

ENCL 16

2	18	12	7	22	68
3	39	13	25	23	20
4	14	14	82	24	70
5	33	15	102	25	39
6	10	16	35	26	90
7	43	17	37	27	31
8	215	18	21	28	70
9	6	19	18		
0	9	20	96	FPs	9

TOTAL 1367



LEGEND
 PAVED ROAD
 DIRT ROAD
 STAND BOUNDARY
 STAND EXCLUSION
 STEEL TOWER
 20 CHAINS
 COMPARTMENT 29

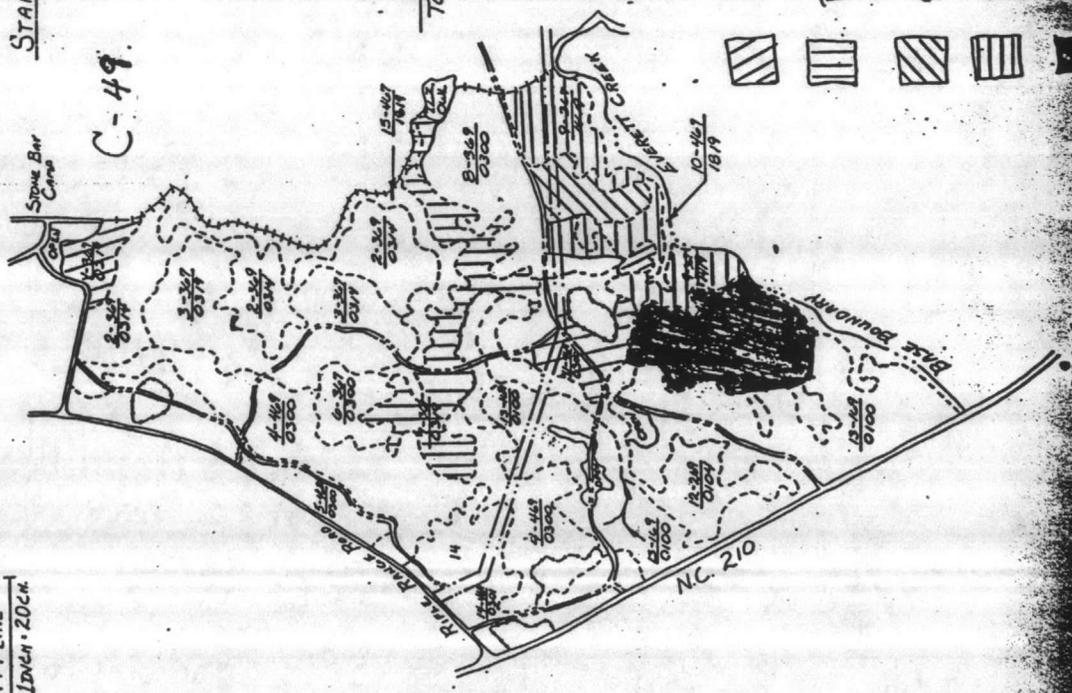
Proposed Treatment
 Clearcut
 Crown Thin
 Pine Removal
 Shelterwood

STAND #	AC. RES.
1	6
2	53
3	52
4	82
5	32
6	12
7	46
8	56
9	40
10	5
11	30
12	76
13	119
14	36
15	20
OPEN	8
TOTAL	680 a.

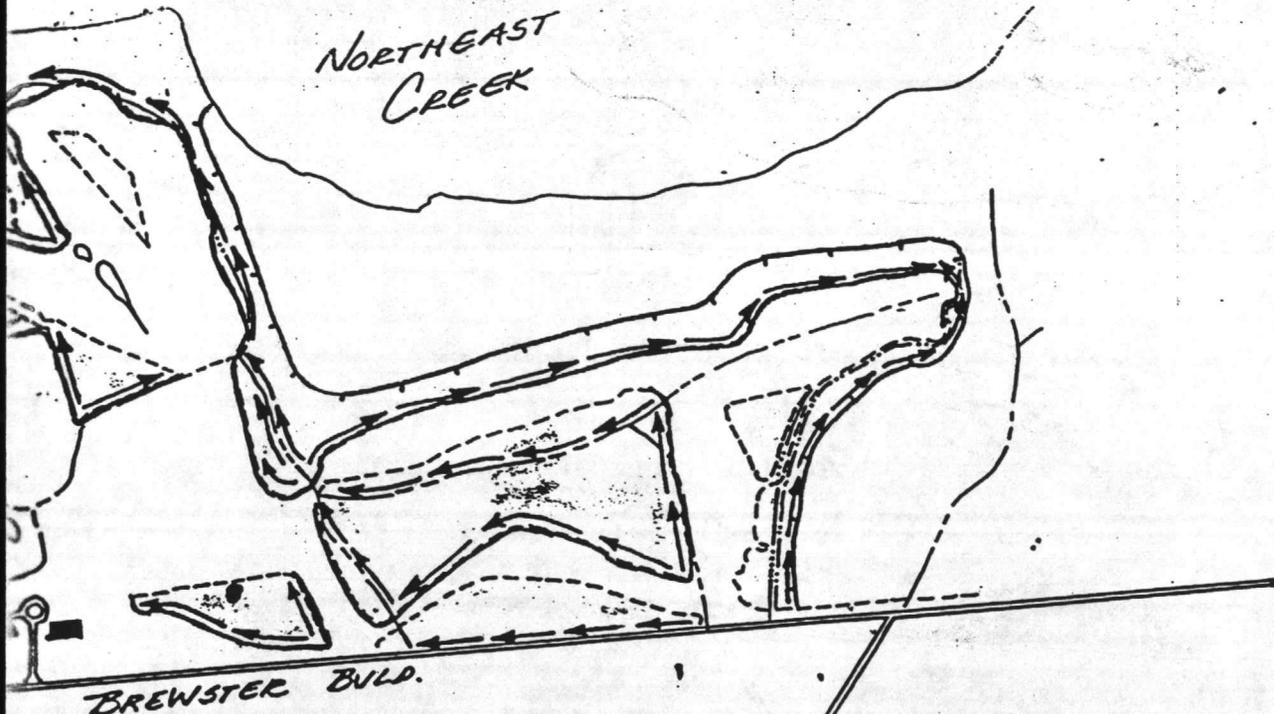
L.T. Thin 14AC
 Pine Only Thin 54AC
 Seed Tree 16AC
 Pine Removal 40AC
 Clearcut 34AC

Proposed Treatment

COMPARTMENT 50
 PAVED ROAD
 DIRT ROAD
 STAND BOUNDARY
 STAND EXCLUSION
 CORNER BUIRY
 BASE BUIRY
 UTILITY LINE
 1 INCH = 20 CH.



NORTHEAST CREEK



BREWSTER BULD.

Charles St.

WINDS FROM NORTH NORTHWEST

- HARDSURFACE ROAD
- DIRT/GRAVEL ROAD
- DIRT/GRAVEL ROAD
- BURNED AREA Boundary
- PREVIOUS timber harvest
- ROAD PARKING
- TO BURN
- NOT TO BURN

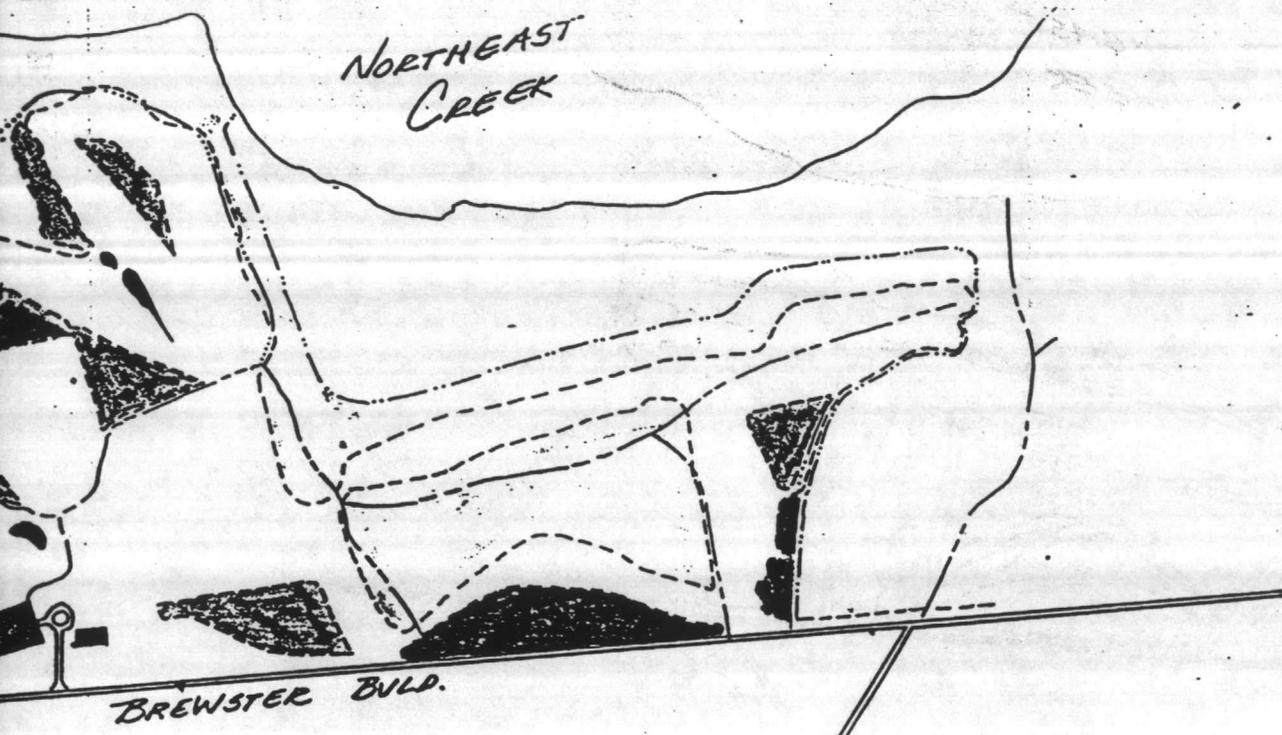
• LINES ON TO FIRE

• TO SECURE WITH FIRE TRUCK (HEADFIRE)
• FIRES WILL BE ALLOWED TO BURN THROUGH THE NIGHT & WILL BE CHECKED THE NEXT AM.

SCALE:

1 in. = 1,000 FT.

ENCL 16
c'd



PRIMARY HARDSURFACE ROAD
 SECONDARY DIRT/GRAVEL ROAD
 TERTIARY DIRT/GRAVEL ROAD
 HARVESTED AREA Boundary
 OF PRIOR timber harvest
 AND PARKING
 STATIONS TO THIN
 PINE TIMBER TO THIN WITH HARDWOOD CONSIDERATION
 AREAS OF TIMBER NOT TO BE HARVESTED
 WAYS: OTHER NON-TIMBERED AREAS

DECUT TO EXPAND DRIVING RANGE

SCALE:
 1 in. = 1,000 FT.

TIMBER HARVESTING

14-203
 No

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW:

1. Action Sponsor: Director, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune, North Carolina.

2. Name, address, phone number of point of contact:
Peter E. Black, Base Forester, Building 1103, Marine Corps Base, Camp Lejeune, North Carolina, telephone 451-2195.

3. Title and brief description of proposed action:
Controlled and Prescribed burning program for FY-88 at Marine Corps Base, Camp Lejeune, North Carolina.

Prescribe burn approximately 15,000 acres of forestland for hazardous reduction and wildlife habitat improvement. An additional 11,584 acres of ranges and impact areas, 447 acres of Red-Cockaded Woodpecker habitat, and 952 acres of Quail Management Area are scheduled as controlled burns for hazard reduction, wildlife habitat improvement and vegetative control. The work will be coordinated with the Training Facilities Officer to avoid possible conflicts. Provost Marshal, Base Housing and the Base Fire Department will be notified as required. Initial preparations and fire line plowing will begin in October 1987 with burning being accomplished, as weather and training permit, from 1 December 1987 through 15 March 1988. Information sheets summarizing acreage, purpose of the burn, and environmental/management concerns are included in Attachment No. 1.

4. Location: The areas proposed for controlled and prescribed burning are shown on Attachment No. 2.

5. Potential Environmental Impact/considerations:

a. Air Quality

(1) Will there be any open burning associated with the project/action? YES. Clean air regulations, as they are presently administered, do not apply to prescribed or controlled burning, unless atmospheric conditions result in an air stagnation emergency. Air stagnation emergencies, because of atmospheric conditions, generally do not occur during the time of year when burning is accomplished, but procedures would call for postponement of burning if an air stagnation emergency materialized. There could be complaints concerning drifting smoke, by military and civilian populations. Burning plans and the latest weather forecast information will be used in attempts to minimize smoke management problems. The Smoke Management Office of the N. C. Forest Service, will be notified on days when burning is planned regarding expected fuel loads and acreages to be burned. Although we are not required to limit the amount of burning planned to comply with N. C. Forest Service guidelines, this office will comply with N. C. Forest Service recommendations whenever possible.

(2) Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO.

(3) Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? NO.

(4) Will the project cause dust problems? NO.

b. Land Quality:

(1) Will the action require use of significant amount of earthen fill material? NO.

(2) Will there be an increase in the level of soil disturbance/damage to vegetation? YES. Prescribed burning has very little effect on the physical or chemical properties of the soil. For most flat, sandy soil in the Coastal Plain there is little danger of erosion because the organic layer on the forest floor is not consumed during prescribed burning. Some soil disturbance will occur during the plowing of containment lines but their effect is temporary in nature, and North Carolina Erosion and Sedimentation Regulations are not applicable. Lesser vegetation, grasses, herbs, forbes and smaller woody plants, will be greatly effected. A main reason for prescribed burning is to decrease the number and intensity of wildfires by managing the amount of fuel available to a wildfire. Although the above ground portions of these plants are consumed or killed, new growth occurs from the existing root systems the following spring and are very beneficial to wildlife populations.

(3) Will there be one acre or more of land cleared/disturbed? NO.

c. Groundwater Quality:

(1) Does the project involve use of herbicides, insecticides, or other pesticides in significant amounts? NO.

(2) Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO.

(3) Will the project or action be carried out within 200 feet of a drinking water supply well? YES. The action will have no effect on groundwater quality or drinking water.

d. Surface Water Quality:

(1) Is the project located on or in a water body or adjacent to 100-year flood plain? YES. It is possible that a portion of the burning will be adjacent to the 100-year flood plain. Generally, the pure pine forest does not occur in the flood plains which are forested with typical bottomland hardwood forests.

ENCL 17

There will be a probability of burning in the 100-year flood plain during controlled and prescribed burning but weather conditions during the period of burning (1 December to 15 March) are not conducive to burning the fuel type, which have low combustion and energy release rates, that would be found in the 100-year flood plains.

(2) Will the project involve construction of draining ditches/underground drains for purposes of lowering water table? NO.

(3) Will all wastewater be connected to sanitary sewer? NO.

(4) Will there be an increase in erosion/siltation from soil disturbing activity? YES. [See subparagraph b.(2)].

(5) Will petroleum oil and lubricants be routinely stored or used at the site? YES. Approximately 30 gallons of burning fuel will be used daily to ignite the areas to be burned. The burning fuel will be transported to the areas daily.

(6) Will the project increase rates of surface/storm water run-off? YES. There is the possibility of increased run-off of rainfall. When surface run-off increases following burning, it may carry suspended solids, dissolved inorganic nutrients and other materials into adjacent streams with a recurring decrease in water quality. This is normally not a problem in the Coastal Plain because burning is generally conducted on less than 25 percent slopes. This is less a problem at Camp Lejeune because of the natural timber and fuel type changes that occur as one gets closer to creeks.

e. Natural Resources:

(1) Will there be a loss of forest land? NO.

(2) Will public access for hunting, boating, fishing, etc. be restricted? YES. There is generally some minor conflicts with hunting but these will be coordinated with the Base Game Wardens.

(3) Is there a change in land use from what is presently shown in the Base Master Plan? NO.

(4) Will removal of existing vegetation be required? NO.

(5) Are there any known effects on any endangered species? YES. Woody vegetation and forest litter will be cleared from around the base of the Red-Cockaded Woodpecker cavity trees by Wildlife personnel prior to prescribed or controlled burning. All burning and related work will be accomplished in accordance with guidelines which have been mutually agreed on with the U. S. Fish and Wildlife Service; as documented in the Biological Opinion rendered in 1979.

(6) Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations:

(1) Will the project cause an increase/decrease in off-base military population? NO.

(2) Will there be any increased demand on a local or state government to provide services? NO.

(3) Will there be any changes to traffic flow and patterns on or off-base? NO.

(4) Will any noise, traffic, dust, etc. be generated which may affect off-base persons or property? YES. Smoke management is always a major concern during planning and execution of any prescribed or controlled burn. Smoke sensitive areas are the major factors determining wind direction during the burn planning, and possible problems with smoke management are listed in Attachment No. 1. The latest weather forecasts obtained from the New River Air Station and the North Carolina Forest Service are used to determine the possible location for burning on any particular day to prevent smoke management problems. Prescribed burning signs, notifying motorists utilizing major roads of the possibility of drifting smoke on the roadway, will be displayed whenever burning is in progress. There is always the possibility of unforecasted wind direction changes. In instances such as this, burning may be secured by suppression equipment, if conditions warrant.

(5) Is there any known controversy associated with the type of project or action proposed? YES. [See subparagraph f.(4)]. The public preception of effects of prescribed burning on aesthetics varies according to the individual. What may be considered an improvement in the scenic beauty by one, may be considered undesirable by another.

Generally, the immediate effect on aesthetics is undesirable especially along roads. Due to the increased turbulence and updrafts along roads and other openings, the fire will become more intense, possibly causing needle scorch and bark char on the tree trunks. However, the undesirable effects will disappear during the next growing season in most stands, especially with the low intensity burns. The smutty appearance of the ground will "green up". Scorched needles will drop and not be noticed. The "Globe", closed circuit television and Base radio, will be used to inform the public of the benefits of prescribed burning.

(6) Are there any historical or archaeological sites affected by project/action? YES. Burning itself will not destroy or affect any archaeologically or historically significant areas. The Base Wildlife Manager will be consulted and approve the plowline locations around all subject areas before plowlines are constructed.

TRAINING AREA & COMPARTMENT BURNING

AREA TO BE BURNED	ACRES TO BURN	PURPOSE OF THE BURN	ENVIRONMENTAL AND MANAGEMENT CONSIDERATIONS AND COMMENTS	
COMP'T. 6	1,060	1. Hazard Reduction 2. Wildlife Habitat Improvement	1. Smoke sensitive areas a. External to MCBCL (1) NC-24 (2) Kellumtown/Hubert Area b. Internal to MCBCL (1) F-2 & 5 Range (2) F-4 Range 2. Coordinate With: a. Training Facilities Officer b. Base Fire Department c. Base Wildlife Manager d. N.C. Forest Service 3. No containment lines to plow	(3) Stone St. (4) Lejeune High School (5) Brewster Jr. High School (6) Stone St. School (7) Berkley Manor (8) Watkins Village (9) Paradise Point (10) Naval Hospital (11) Base Stables 2. Coordinate With: a. Base Housing Office b. Base School Superintendent c. Principals of effected schools d. CO of Naval Hospital e. Base Provost Marshal f. Training Facilities Officer g. Base Fire Department h. Base Wildlife Manager i. N.C. Forest Service
COMP'T. 10	1,478	1. Hazard Reduction 2. Wildlife Habitat Improvement	1. Smoke sensitive areas a. External to MCBCL (1) None b. Internal to MCBCL (1) Holcomb Blvd. (2) Brewster Blvd.	

ENC 17 (C)

COMP'T. 17 1,854

1. Hazard Reduction
2. Wildlife Habitat Improvement

j. Manager of Base Stables

3. Plow 18 miles of containment lines

4. Low priority because of low wildfire occurrence

1. Smoke sensitive areas

a. External to MCBCL

(1) None

b. Internal to MCBCL

(1) Industrial Area

(2) Hadnot Point Area

(3) Paradise Point Housing Area

(4) Holcomb Blvd

2. Coordinate With:

a. Base Housing Office

b. Base Provost Marshal

c. Training Facilities Officer

d. Base Fire Department

e. Base Wildlife Manager

f. N.C. Forest Service

3. Plow 9 miles of containment line

COMP'T. 27 1,479

1. Hazard Reduction

2. Wildlife Habitat Improvement

4. Low priority because of wildfire occurrence

1. Smoke sensitive areas

a. External to MCBCL

(1) US - 17

(2) Verona

b. Internal to MCBCL

(1) Verona Loop Gate

2. Coordinate With:

a. Training Facilities Officer

b. Base Fire Department

c. Base Wildlife Manager

d. N.C. Forest Service

e. Sentry at Verona Loop Gate

3. Plow 1 mile of containment line

1. Smoke sensitive areas

a. External to MCBCL

(1) None

b. Internal to MCBCL

(1) Verona Loop Road

COMP'T. 38 1,266

1. Hazard Reduction

2. Wildlife Habitat Improvement

1. Smoke sensitive areas

a. External to MCBCL

(1) None

b. Internal to MCBCL

(1) Verona Loop Road

(2) Mill
Creek Road

(3) 400
Ranges of K-2 Impact
Area

2. Coordinate With:

a. Training
Facilities Officer

b. Base Fire
Department

c. Base Wild-
life Manager

d. N.C. Forest
Service

3. Plow 3 miles
of containment line

1. Smoke sensitive
areas

a. External to
MCBCL

(1) Sneads
Ferry Area

b. Internal to
MCBCL

(1) NC-172

(2) Marines

Road

(3) Court-
house Bay Area

(4) Boat
Basin Area

2. Coordinate With:

a. CO of Court-
house Bay

b. CO of Boat
Basin

COMP'T. 42 1,219

1. Hazard
Reduction

2. Wildlife
Habitat
Improvement

COMP'T. 43 1,148

1. Hazard
Reduction

2. Wildlife
Habitat
Improvement

c. Training
Facilities Officer

d. Base Fire
Department

e. Base Wild-
life Manager

f. N.C. Forest
Service

3. Plow 1 mile
of containment line

1. Smoke sensitive
areas

a. External to
MCBCL

(1) None

b. Internal to
MCBCL

Road (1) Marines

(2) NC-172

(3) Court-
house Bay Area

2. Coordinate With:

a. Training
Facilities Officer

b. Base Fire
Department

c. Base Wild-
life Manager

d. N.C. Forest
Service

e. CO of Court-
house Bay Area

3. Plow 5 miles of
containment line

ENC 172

COMP'T. 44

1,148

1. Hazard Reduction
2. Wildlife Habitat Improvement

1. Smoke sensitive areas

- a. External to MCBCL

(1) None

- b. Internal to MCBCL

(1) Marines

Road

2. Coordinate With:

- a. Training Facilities Officer

- b. Base Fire Department

- c. Base Wildlife Manager

- d. N.C. Forest Service

3. No containment lines required

1. Smoke sensitive areas

- a. External to MCBCL

(1) Area

south of Everett Creek

- b. Internal to MCBCL

(1) Rifle

Range Road

(2) Rifle

Range Area

COMP'T. 49

990

1. Hazard Reduction
2. Wildlife Habitat Improvement

1. Smoke sensitive areas

- a. External to MCBCL

(1) Area

south of Everett Creek

- b. Internal to MCBCL

(1) Rifle

Range Road

(2) Rifle

Range Area

COMP'T. 51

1,108

1. Hazard Reduction

2. Wildlife Habitat Improvement

2. Coordinate With:

- a. CO Rifle Range Area

- b. Training Facilities Officer

- c. Base Fire Department

- d. Base Wildlife Manager

- e. N.C. Forest Service

3. Plow 4 miles of containment line

1. Smoke sensitive areas

- a. External to MCBCL

(1) None

- b. Internal to MCBCL

(1) Mile

Hammock Road

(2) NC - 172

2. Coordinate With:

- a. Training Facilities Officer

- b. Base Fire Department

- c. Base Wildlife Manager

- d. N.C. Forest Service

3. Plow 2 miles of containment line

COMP'T. 52 1,340

1. Hazard
Reduction

2. Wildlife
Habitat
Improvement

1. Smoke sensitive
areas

a. External to
MCBCL

(1) None

b. Internal to
MCBCL

(1) Mile
Hammock Road

(2) NC - 172

2. Coordinate With:

a. Training
Facilities Officer

b. Base Fire
Department

c. Base Wild-
life Manager

d. N.C. Forest
Service

3. Plow 3 miles of
containment line

COMP'T. 53 1,034

1. Hazard
Reduction

2. Wildlife
Habitat
Improvement

1. Smoke sensitive
areas

a. External to
MCBCL

(1) None.

b. Internal to
MCBCL

(1) NC - 172

(2) Onslow
Beach Road

2. Coordinate With:

a. Training
Facilities Officer

b. Base Fire
Department

c. Base Wild-
life Manager

d. N.C. Forest
Service

3. Plow 3 miles of
containment line

ENC 3

RANGES AND IMPACT AREAS

AREA TO BE BURNED	ACRES TO BURN	PURPOSE OF THE BURN	MANAGEMENT CONSIDERATIONS AND COMMENTS
F-2 & 5	147	1. Hazard Reduction	1. Smoke sensitive areas:
F-3	326	2. Vegetation Control	a. External to MCBCL
F-12	333		(1) Kellumtown/Hubert Area
F-18	61		(2) NC - 24
L-5	136		(3) NC - 172
BO-14	9		(4) Areas east of NC - 172
G-10	5,779		(5) Areas east of Bear Creek
BT-3	1,321		(6) Dixon High School
K-2	3,472		(7) NC- 210
TOTAL:	11,584		(8) US - 17
			b. Internal to MCBCL
			(1) Piney Green Road
			(2) Lyman Road
			(3) Sneads Ferry Road
			(4) NC - 172
			(5) Verona Loop Road
			(6) Base Landfill
			(7) Ammo Storage Area

RANGES AND IMPACT AREAS

AREA TO BE BURNED	ACRES TO BURN	PURPOSE OF THE BURN	MANAGEMENT CONSIDERATIONS AND COMMENTS
			(8) Industrial Complex
			2. Coordinate With:
			a. Training Facilities Officer
			b. Base Fire Department
			c. Base Explosive Ordnance Disposal Officer
			d. Base Wildlife Manager
			e. N.C. Forest Service
			3. Plow 12 miles of containment lines

RED-COCKADED WOODPECKER HABITAT

AREA MANAGEMENT AREA

AREA TO BE BURNED

ACRES TO BURN

PURPOSE OF THE BURN

MANAGEMENT CONSIDERATIONS AND COMMENTS

AREA TO BE BURNED	ACRES TO BURN	PURPOSE OF THE BURN	MANAGEMENT CONSIDERATIONS AND COMMENTS
		1. RCW habitat Improvement	1. Smoke sensitive areas:
Area 3-1	134	2. Hazard Reduction	a. NC - 24 & areas north
3-2	105		b. NC - 172 & areas east
3-3	104		c. Lyman Road
3-4	104		2. Coordinate With:
TOTAL:	447		a. Training Facilities Officer
			b. Base Fire Department
			c. Base Wildlife Manager
			d. N.C. Forest Service
			3. Plow 9.5 miles of containment line

ENCL 17 (K'd)

QUAIL MANAGEMENT AREA

WED-COCCARDED WOODPECKER HABITAT

AREA TO BE BURNED ACRES TO BURN

PURPOSE OF THE BURN

MANAGEMENT CONSIDERATIONS AND COMMENTS

QMA 952

1. Quail habitat Improvement

1. Smoke sensitive areas:

2. Hazard Reduction

a. External to MCBCL

(1) Areas east of Bear Creek

(2) Areas east of NC - 172

b. Internal to MCBCL

(1) Lyman Road

(2) NC - 172

(3) T.O.P. Gate

(4) G-5, 6, and 7 Ranges

(5) G-10 Impact area

2. Coordinate With:

a. Training Facilities Officer

b. Base Fire Department

c. Base Wildlife Manager

d. N.C. Forest Service

3. No containment lines to plow

TOTAL: 952

1497000

COMMISSARY

BO 11000.1B
1 May 1984

1000.1B
1984

Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

Potential Environmental Impact/Considerations: (See Note 1)

REQUEST FOR ENVIRONMENTAL IMPACT REVIEW; FORMAT AND PROCEDURES FOR SUBMISSION OF

1. Action Sponsor: AC/S, Logistics
2. Name, Address, Phone Number of Point of Contact: Spencer Parker
AC/S, Logistics, MCB, Camp Lejeune, NC 2535/2507

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

Building a 62,000 SF commissary to replace the current antiquated Hadnot Point and Tarawa Terrace Commissaries. The project is to be built in FY 89-90 time frame. Parking and sidewalks are to consist of 17,500 SF. The facility will be located off Holcomb Boulevard between the Hostess House and Carolina Power and Light sub-station. Do not know of any proposed environmental protection measures necessary.

- a. Air Quality: Will there be any open burning associated with the project/ on? Unknown Will there be any new boilers, incinerators or fuel storage tanks (greater than 1,000 gallons) provided? No Will there be any paint booths, solvent degreasers or other vapor-producing industrial processes involved? No Will the project involve the use or disposal of asbestos? No Will project cause problems? Unknown
 - b. Land Quality: Will the action require use of significant amount of earthen material? Unknown Will there be an increase in level of soil disturbance/damage to vegetation? Unknown Will there be one acre or more of land cleared/disturbed? Yes
 - c. Groundwater Quality: Does the project involve use of herbicides, insecticides or pesticides in significant amounts? No Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? Yes Will there be any wells dug or any excavations deeper than twenty feet? No Will toxic or hazardous material/waste requiring disposal be used or generated by the project? Unknown Will there be a net increase of solid waste caused by implementing project/action? Yes Will the project or action be carried out within 200 feet of a drinking water supply well? No
1. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? Unknown Will the project involve construction of drains/ditches/underground drains for purposes of lowering water table? Unknown Will all surface water be connected to sanitary sewer? Yes Will there be an increase in sedimentation/siltation from soil disturbing activity? Unknown Will petroleum oil and lubricants be routinely stored or used at the site? No Will the project increase rates of surface/storm water run-off? Yes
 2. Natural Resources: Will there be a loss of forest land? Yes Will public lands for hunting, boating, fishing, etc., be restricted? No Is there a change in land use from what is presently shown in Base Master Plan? Unknown Will removal of existing vegetation be required? Yes Are there any known effects on any endangered species? No Does the project involve the purchase or sale of any real estate? No
 3. Socio-Economic Considerations: Will the project cause an increase/decrease in population or off-base military population? No Will there be any increased demand on local or state government to provide services? No Will there be any changes to traffic flow and patterns on or off-base? Yes Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? No Is there any known controversy associated with the type of project or action proposed? No Are there any historical or archaeological sites affected by project/action? Unknown

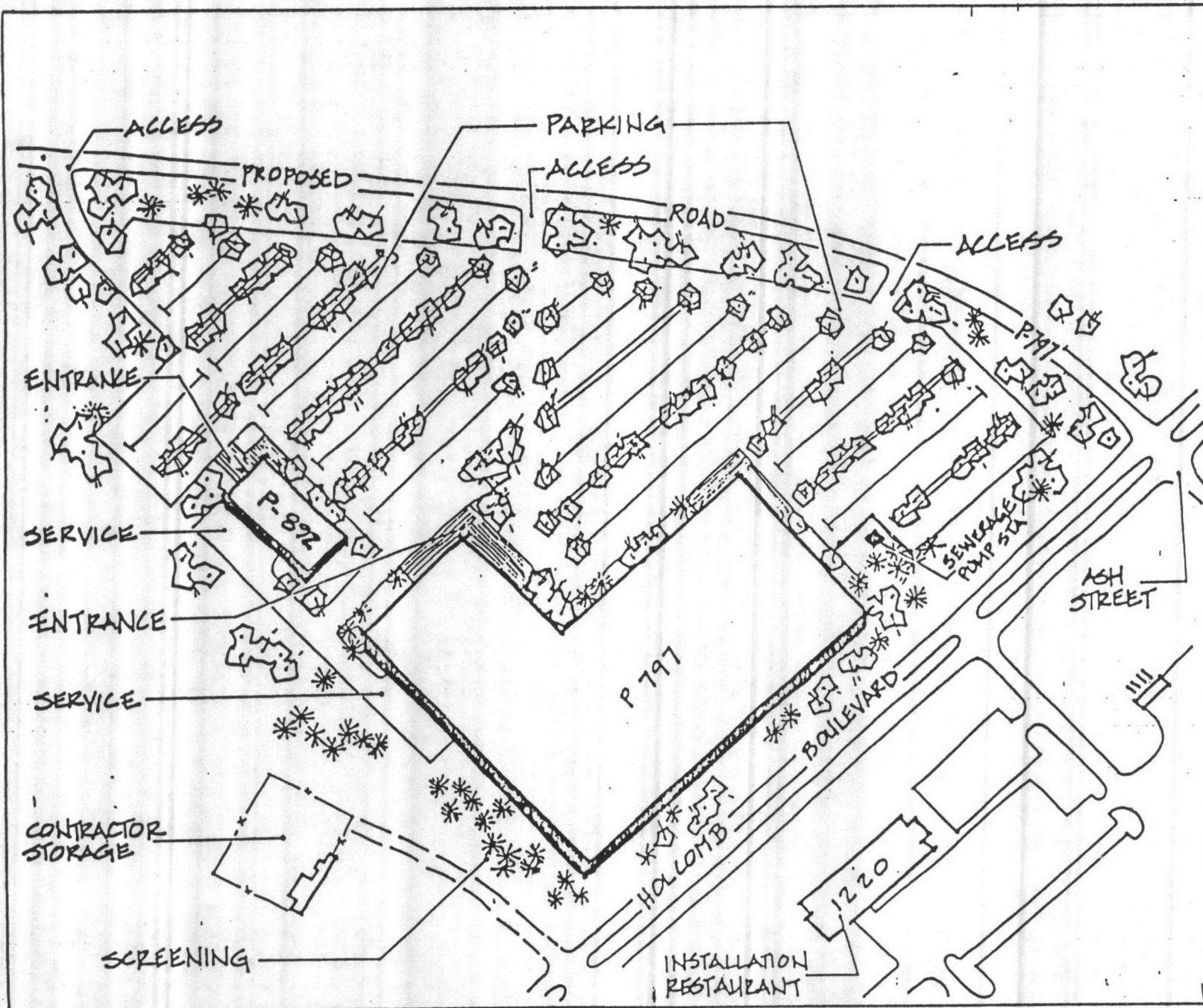
1. Answer either "yes", "no" or "unknown". Answers should be based on information available to the action sponsor at time of submission to the Base Environmental Impact Review Board. Do not delay the submission of this request awaiting additional information. Many environmental considerations need to be addressed in early planning stages. If additional information becomes available after submission, it should be forwarded to the EIRB.

ENCLOSURE (1)

ENCLOSURE (1)

2

Encl 18



- PROJECTS:
- P-797 EXCHANGE COMPLEX
 - P-892 COMMISSARY



DEPARTMENT OF THE ARMY			
MARINE CORPS BASE			
CAMP LEJEUNE, NORTH CAROLINA			
SITE DEVELOPMENT PLAN			
DATE	SCALE	PROJECT	FIGURE
07/86	AS SHOWN		1 RP
DRAWN BY: [signature]			

ENCL. (1)



UNITED STATES MARINE CORPS
RANGE CONTROL
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

A 7/27
28 JUL 1987
IN REPLY REFER TO:
11000
RCTL
14 Jul 87

From: Assistant Chief of Staff, Training and Operations
To: Assistant Chief of Staff, Facilities, Marine Corps Base,
Camp Lejeune

Subj: REQUEST FOR ENVIRONMENTAL IMPACT REVIEW: PROPOSED SPRING
POINT HAND GRENADE/DEMOLITIONS RANGE

Ref: (a) BO 11000.1B
(b) CO, ITS Ltr 1500 over 30PS dtd 17 Dec 86 w/encl

Encl: (1) Spring Point Hand Grenade/Demolition Range Location
Map

As requested in reference (b) and in accordance with reference (a),
subject information is provided.

1. Action Sponsor: Range Control Officer
2. Point of Contact: LtCol D. N. Buckner USMC, Range Control
Officer, Bldg 1404, Tel ext 5803
3. Title: Spring Point Hand Grenade/Demolition Range

a. Description: It is requested that a Hand Grenade/Demolition Range be established as indicated on enclosure (1) to support portions of the program of instruction offered by the School of Infantry. The existing K-405 Hand Grenade Range is not usable in its present condition and is unsuitable for the dual use proposed. The proposed action is anticipated to begin during August 1987 with funding through the Commanding General, Marine Corps Base, Contingency Fund. This proposed site has been investigated and is located in an area of existing training ranges. Noise abatement and erosion control will be maintained by the existing vegetation canopy and buffer surrounding the proposed site, to include the water edge on Farnell Bay. Environmental precautions as stated in the current Range Control SOP apply to this proposed site. Site access will be by existing road.

4. Conclusion: An environmental assessment is not required on this action due to potentially significant adverse environmental impacts.
5. Location: See enclosure (1).
6. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? No Will there be any boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? No Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? No Will the project involve the use or disposal of asbestos? No

Encl 19

Will project cause dust problems? No

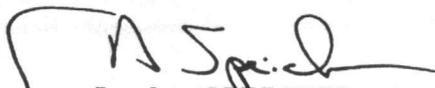
b. Land Quality: Will the action require use of significant amount of earthen fill material? No Will there be an increase in level of soil disturbance/damage to vegetation? No Will there be one acre or more of land cleared/disturbed? Yes

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? No Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? No Will there be any wells dug or any excavations deeper than twenty feet? No Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? No Will there be a net increase of solid waste caused by implementing the project/action? No Will the project or action be carried out within 200 feet of a drinking water supply well? No

d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? No Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? No Will all wastewater be connected to sanitary sewer? No Will there be an increase in erosion/siltation from soil disturbing activity? No Will petroleum oil and lubricants be routinely stored or used at the site? No Will the project increase rates of surface/storm water run-off? No

e. Natural Resources: Will there be a loss of forest land? Yes Will public access for hunting, boating, fishing, etc., be restricted? Yes Is there a change in land use from what is presently shown in Base Master Plan? No Will removal of existing vegetation be required? Yes Are there any known effects on any endangered species? No Does the project involve the purchase or sale of any real estate? No

f. Socio-Economic Consideration: Will the project cause an increase/decrease in on or off-base military population? No Will there be any increased demand on a local or state government to provide services? No Will there be any changes to traffic flow and patterns on or off-base? No Will any noise, traffic, dust etc., be generated which may affect off-base persons or property? No Is there any known controversy associated with the type of project or action proposed? No Are there any historical or archaeological sites affected by project/action? No


J. A. SPRICHER

ENVIRONMENTAL/LAND MANAGEMENT

PUBLICATIONS RECEIVED

28 SEPT-2 OCT

L.U.M.S. Final Site Preparation Plan, E.S.R.I., Inc, dtd 18 Sep 87

Land Use STRATEGIES & Tactics (INTERNAL USE ONLY) for the Hampton Roads, VA Area, VOL I & II, July 1986, LANTDIV, Code 09P, rec'd 9/28/87

Superfund/SARA Briefing Notesbook, NAVFAC HQ, -Given at MCB on 1 Sep 87-- extra copies

LUMS contractor's Progress and Status Report # 3, dtd 4 Sep 87, rec'd 22 Sep 87

"A Handbook for Development in North Carolina's Coastal Areas", NC Div. of Coastal Mgmt, 1985, rec'd 9-28-87

"A Guide to Protecting Coastal Waters Through Local Planning", NC Div of Coastal Mgmt, May, 1986, rec'd 9-28-87

LUMS: Final Draft LUMS Training Area Scheduling System Functional Description, Naval Civil Engineering Laboratory, dtd 12 Sep 1987, rec'd 9-30-87

"Osteological Data Recovery & Analysis at MCB,CLNC", UNC-Wilmington, rec'd 10-2-87

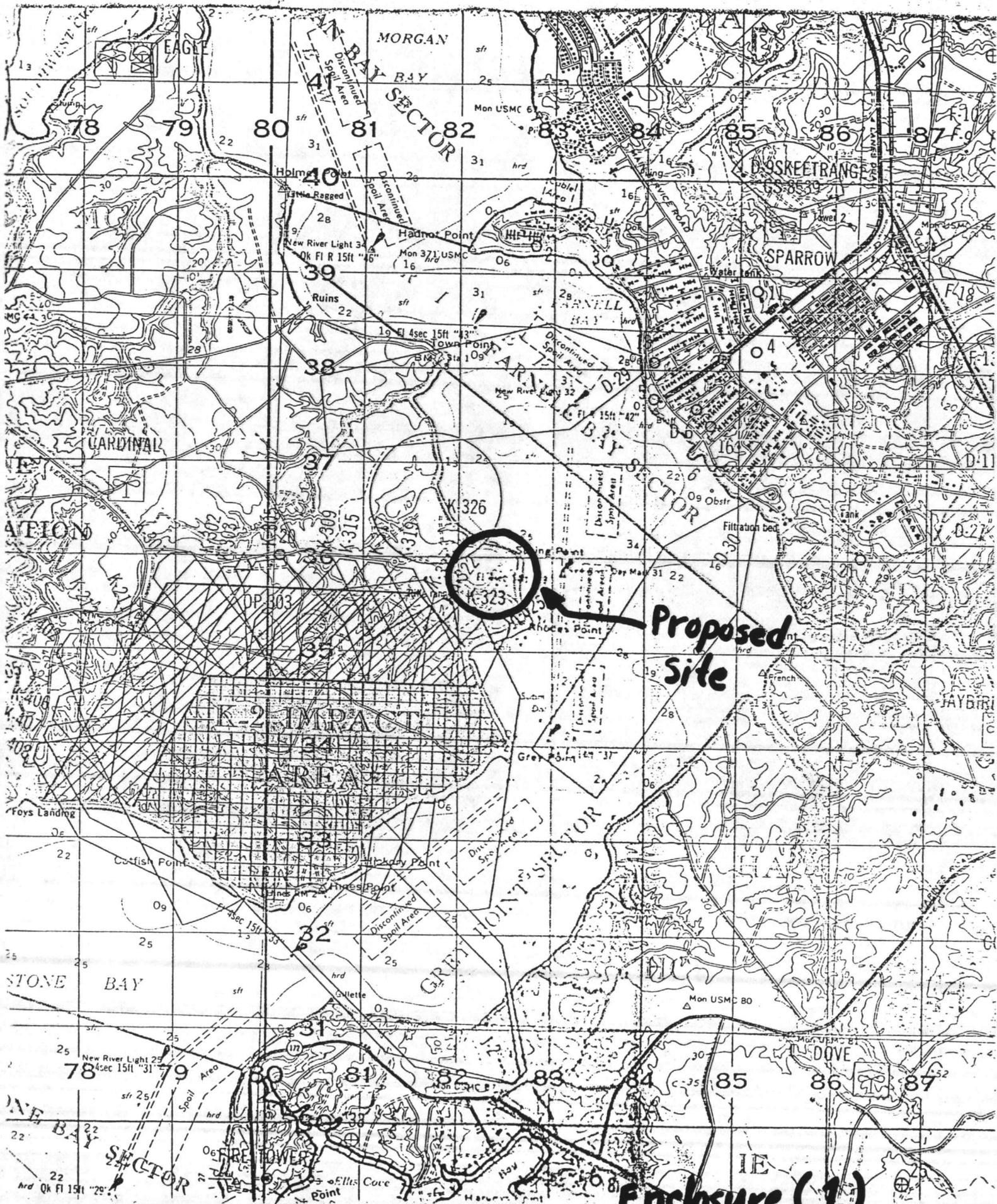
5 OCT 87

To: Envir Board Mbrs & Advisors

pls call if you're interested in
these pubins.

Bob A

3034/3035



Proposed site

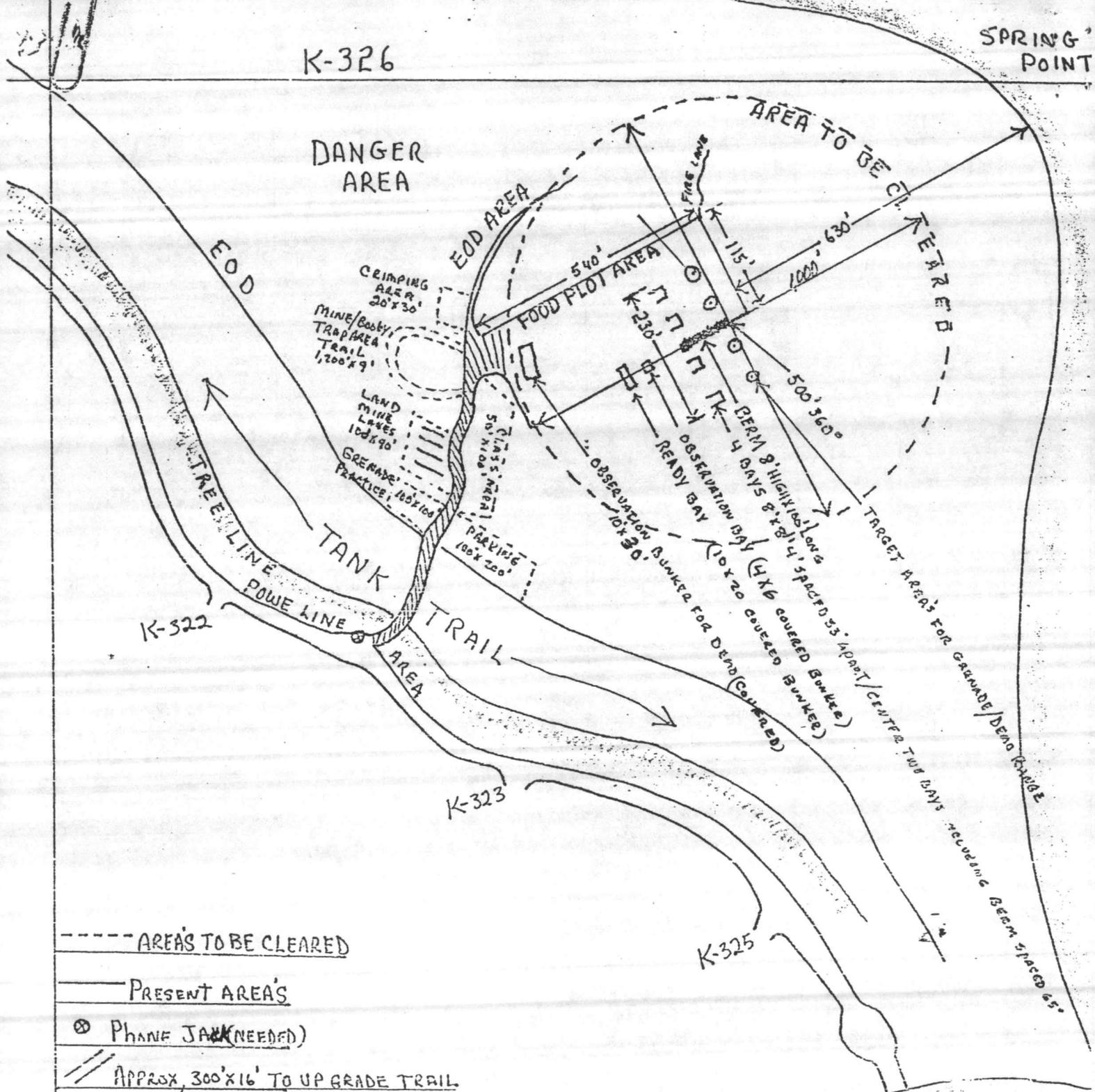
Enclosure (1)

K-326

SPRING POINT

DANGER AREA

AREA TO BE CLEARED



K-322

K-323

K-325

Rhodes PO

- AREAS TO BE CLEARED
- PRESENT AREAS
- ⊗ PHONE JAM (NEEDED)
- /// APPROX. 300'x16' TO UP GRADE TRAIL

GRID FROM CAMP LEJEUNE SPECIAL MAP/1:50,000

-35

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