

III. DETAILS OF WORK.

a. The work shall include the following:

(1) In approximately 600 Capehart housing units, the existing duct insulation shall be removed and new provided.

(2) In approximately 200 Capehart housing units, the entire duct system and duct insulation shall be removed and new provided.

(3) In approximately 75 Capehart housing units, the problem of water standing under the units needs to be corrected.

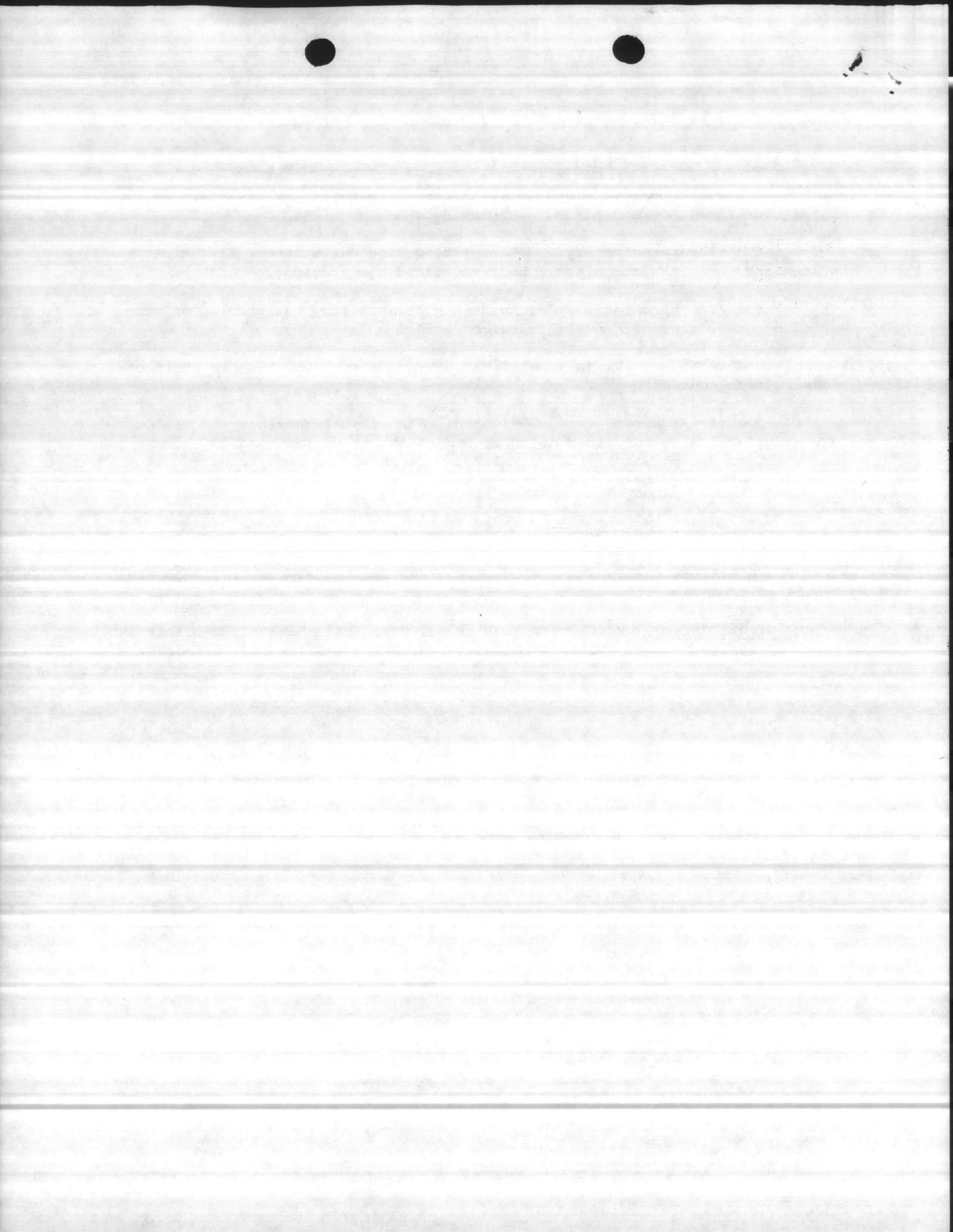
b. Deliverables: Plans, specifications and cost estimates for award of construction contract.

c. Special Requirements: 30% and 90% plans, specifications and cost estimates should be forwarded to this Command (three copies) and to Headquarters Marine Corps (LFF) for review. A predesign conference should be scheduled at this Command prior to beginning the design.

d. Time Requirements: Award of the construction contract should be made so that construction can be completed in time for the cooling season, 1985.

IV. FUNDS AVAILABLE. Funds have been reserved for the A&E contract and are available upon request.

V. POINT OF CONTACT. Mr. Thomas H. Hankins, Jr., P.E., Manager, Mechanical Section, Design Branch, Public Works Division, AV: 484-3238; FTS: 676-3238.



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SECTION A FOR USE BY REQUESTER	1. FROM (Activity and location) Commanding General, Marine Corps Base, Camp Lejeune, NC 28542		
	2. TO Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, VA		
	3. REFERENCE(S)		4. ESR IDENTIFICATION NUMBER (if applicable) 3E84 23511
	5. ENCLOSURE(S) (check) <input type="checkbox"/> NAVCOMPT 140 <input type="checkbox"/> NAVCOMPT 2038 <input type="checkbox"/> NAVCOMPT 372 <input checked="" type="checkbox"/> OTHER (specify) <u>See page 2</u>		6. TYPE OF FUNDING (check) <input type="checkbox"/> O&MN <input type="checkbox"/> OTHER (specify) <input type="checkbox"/> NIF <input type="checkbox"/> NAF
7. TYPE OF SERVICES REQUESTED Facilities Energy Plan Survey Basewide			
8. DESIRED COMPLETION DATE			
9. DESCRIPTION OF WORK 1. <u>GENERAL</u> : Engineering services are required to perform a Facilities Energy Plan of various buildings at Marine Corps Base and to identify and quantify all Facilities energy conservation opportunities and to recommend Facilities operation and maintenance conservation actions which have the potential to reduce energy use.			
10. FOR INFORMATION CONSULT (Name and phone) T. H. HANKINS, JR., P.E. FIS 676-3238		11. OFFICIAL REPRESENTATIVE (Signature) C. A. JOHANNESMEYER By direction	12. DATE 26 MAR 1984
SECTION B FOR USE BY EFD	1. SCOPE OF SERVICES		2. DATE RECEIVED
			3. ESR NUMBER
SECTION C INTERIM ENDORSEMENT	1. REMARKS		
	2. EST. COMPLETION DATE	3. AUTHORIZED REPRESENTATIVE (Signature)	4. DATE
SECTION D FINAL ENDORSEMENT	1. ENCLOSURE(S) <input type="checkbox"/> DRAWINGS AND MAPS <input type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER (specify) _____		
	2. EST. COST (if applicable) \$	3. AUTHORIZED REPRESENTATIVE (Signature)	4. DATE OF COMPLETION

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II. BACKGROUND: The buildings listed in enclosure (1) use excessive amounts of energy, and it is desired to determine the reasons for this excess energy use so that corrective measures can be taken.

III. DETAILS OF WORK: The work consists of conducting a Facilities Energy Plan Survey to determine the cause of the excessive usage of energy. Evaluate the existing energy using systems and provide specific, realistic recommendations for modifications or additions to reduce the use of energy. Develop cost estimates and concept designs for recommended corrective action.

IV. FUNDS: Funds must be obligated in FY 1984.

V. POINT OF CONTACT: Thomas H. HANKINS, Jr., P.E., AUTOVON: 484-3238, FTS 676-3238.

Encl: (1) Areas and buildings to receive Facilities Energy Plan Survey
(2) Scope of Work





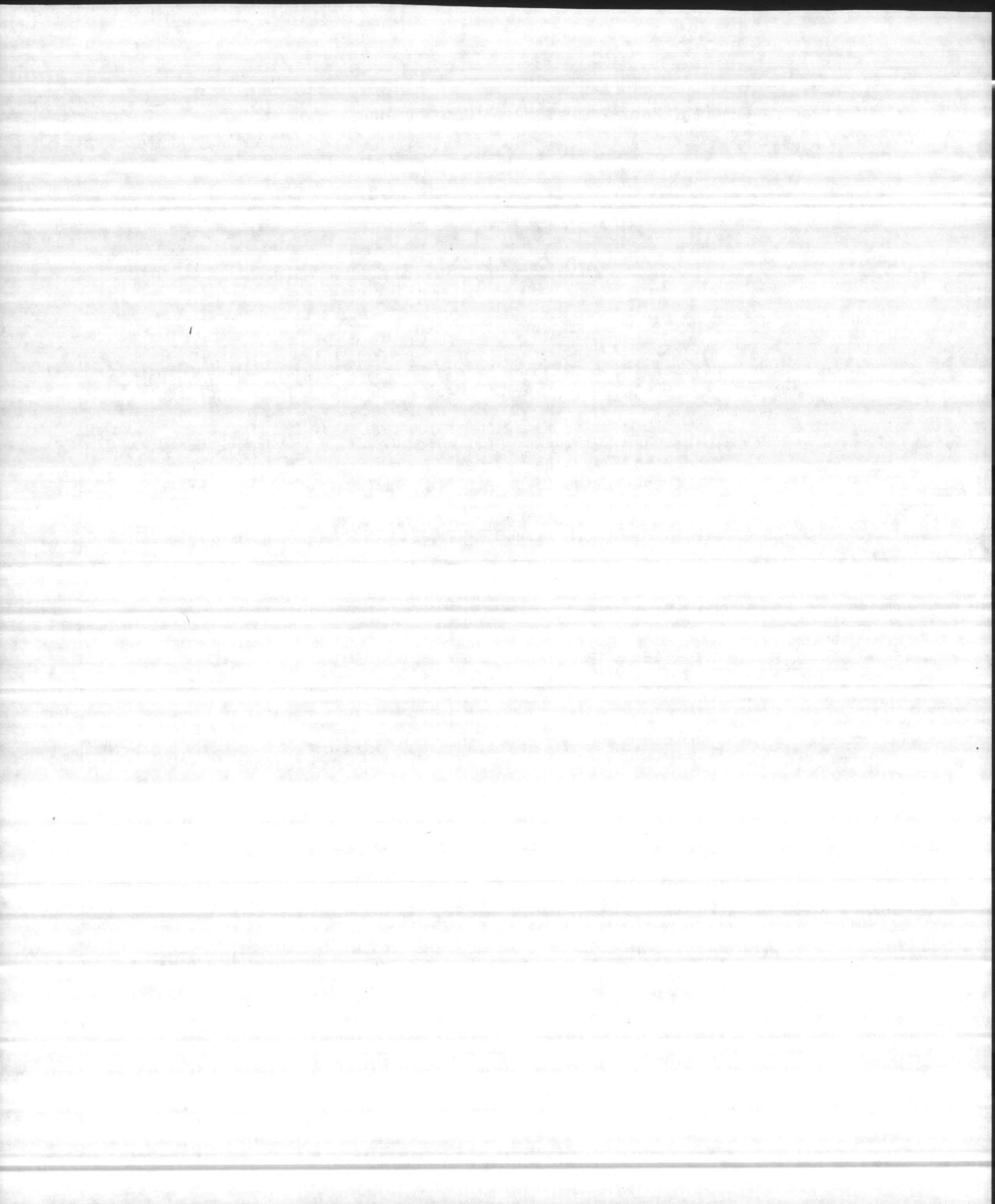
III. DETAILS OF WORK

a. Non-destructive moisture survey is required on the following buildings: 1101, 1108, 1116, 1011, 1200, 1211, 1300, 1301, 1501, 1606, 895, 916, 1402, TT-44 and FC-400.

IV. FUNDS AVAILABLE: M-1 funds are available in support of this request.

V. POINT OF CONTACT: Mr. James Gavin, Manager, Architectural Section, Design Branch, Public Works Division, AV: 484-3658; FTS: 676-3658.





Included in the maintenance program are over 5,000 acres of improved and 3,400 acres of semi-improved grounds.

III. DETAILS OF WORK:

A. Conduct on on-site engineering study and review of the existing Grounds Maintenance Program at Marine Corps Base and make recommendations for improvement. The study should include but not be limited to the following areas of concern:

(1) Mowing practices to include height of cut, type of equipment, frequency, etc.

(2) Fertilization program including frequency, season, quantity, type, etc.

(3) Aerification program.

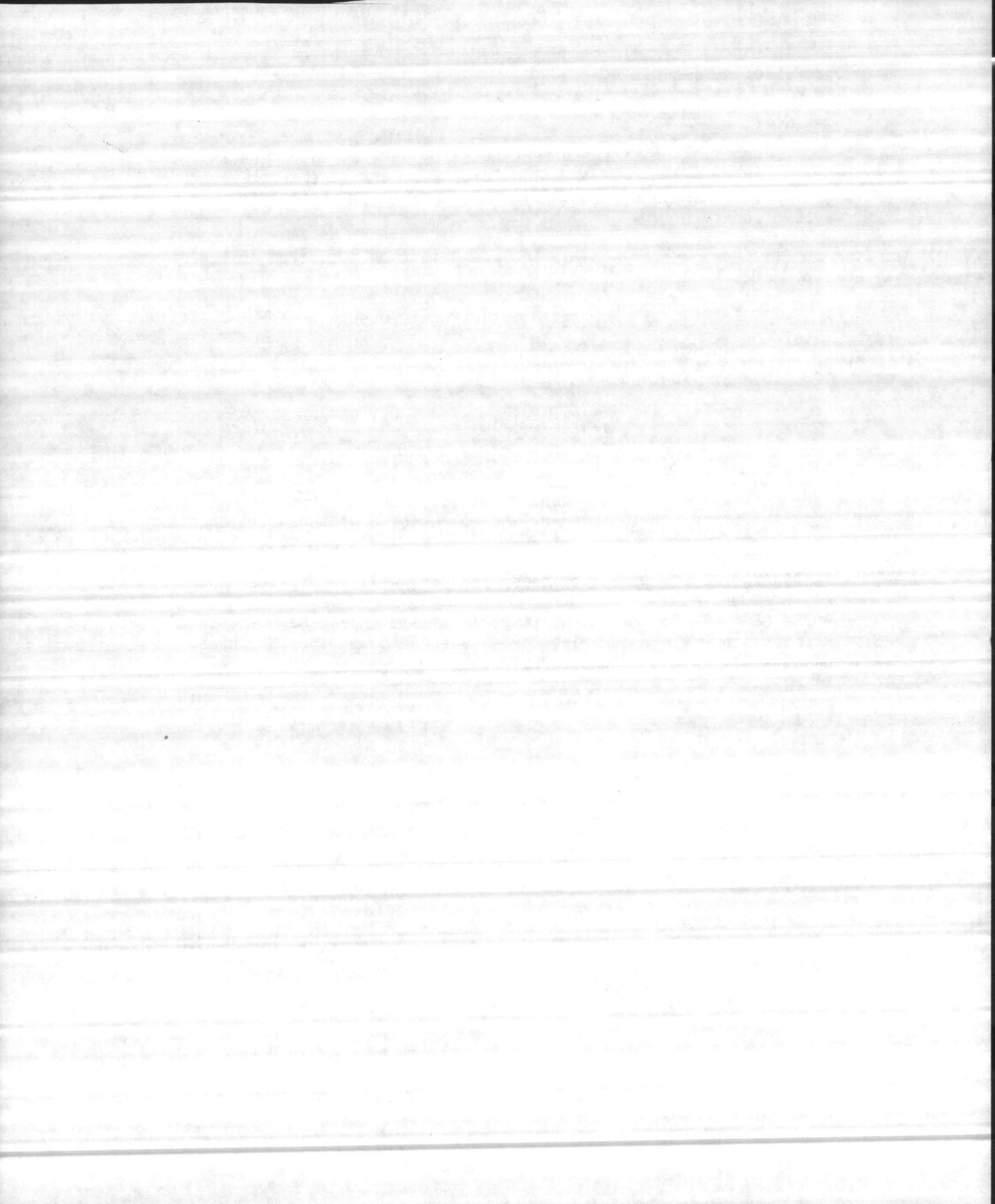
(4) Maintenance of ornamental and decorative growth.

(5) Adequacy of grounds inspection.

B. Deliverables: Study report addressing areas of concern (above) and recommendations for improvement. Comprehensive grounds maintenance plan.

IV. FUNDS AVAILABLE: Funds for these services will be provided upon request.

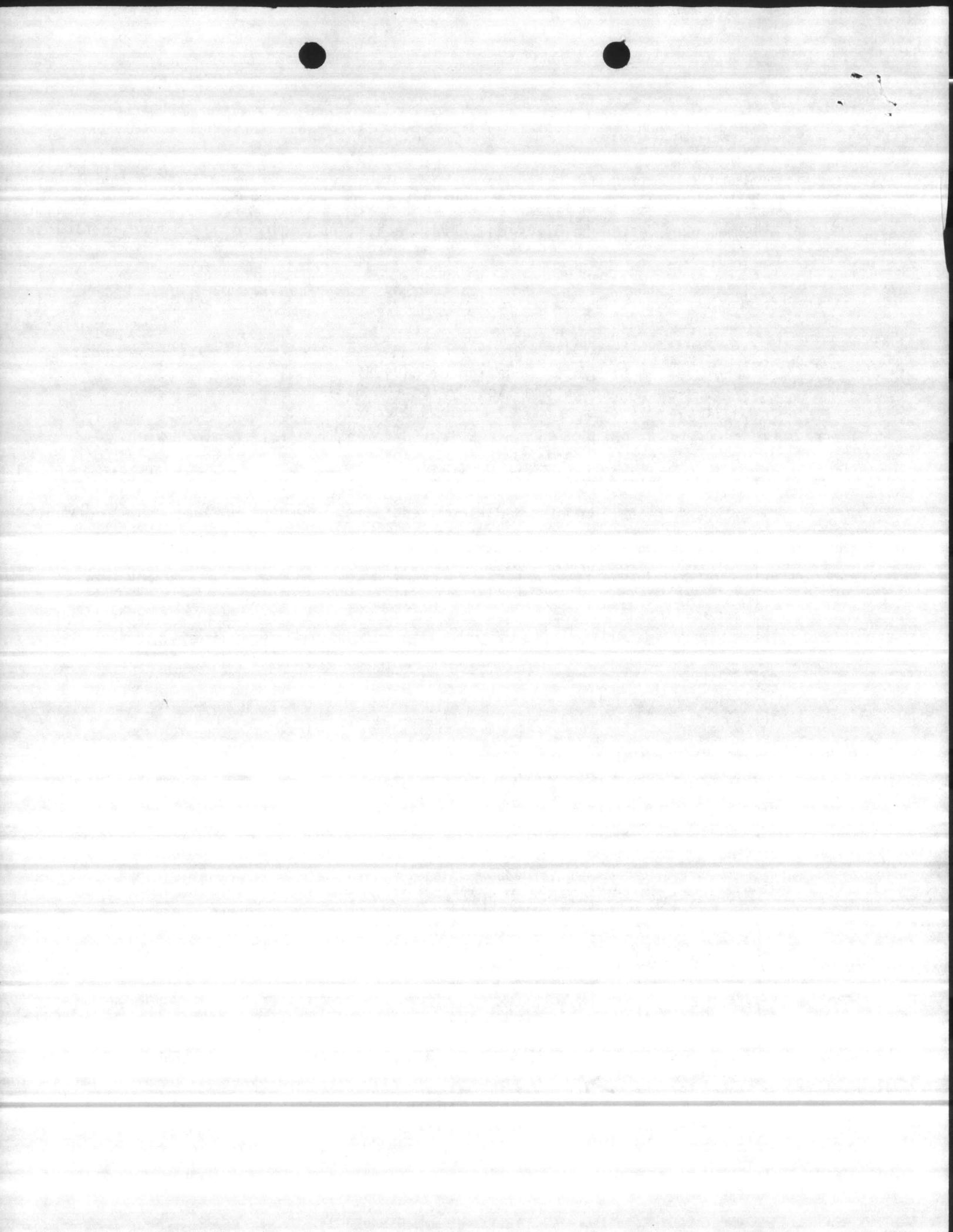
V. POINT OF CONTACT: Mr. B. W. Elston, Assistant Base Maintenance Officer, Base Maintenance Division, Marine Corps Base, Camp Lejeune, NC 28542, AUTOVON 484-2511/2512 or FTS 676-2511/2512.



SECTION A FOR USE BY REQUESTER	1. FROM (Activity and location) Commanding General, Marine Corps Base, Camp Lejeune, NC 28542		2. TO Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, VA	
	3. REFERENCE(S)		4. ESR IDENTIFICATION NUMBER (if applicable) 3E83	
	5. ENCLOSURE(S) (check) <input type="checkbox"/> NAVCOMPT 140 <input type="checkbox"/> OTHER (specify) <input type="checkbox"/> NAVCOMPT 2038 <input type="checkbox"/> NAVCOMPT 372		6. TYPE OF FUNDING (check) <input type="checkbox"/> O&MN <input checked="" type="checkbox"/> OTHER (specify) O&MMC <input type="checkbox"/> NIF <input type="checkbox"/> NAF	
	7. TYPE OF SERVICES REQUESTED Engineering Study for Updating of Navy Air Pollution Source Information System (NAPSIS) Masterfile.		8. DESIRED COMPLETION DATE July 1983	
SECTION B FOR USE BY EFD	9. DESCRIPTION OF WORK I. <u>GENERAL</u> : Engineering services are required for the following: a. Revise the NAPSIS Masterfile so as to show a separate listing for all sources (as of 31 December 1982) on Marine Corps Base, Camp Lejeune; Marine Corps Air Station (H), New River; and Naval Regional Medical Center, Camp Lejeune.			
	10. FOR INFORMATION CONSULT (Name and phone) Vann Marshburn AV: 484-1833		11. OFFICIAL REPRESENTATIVE (Signature) R. E. CARLSON By direction	
SECTION C INTERIM ENDORSEMENT	1. SCOPE OF SERVICES		12. DATE 18 NOV 1982	
	2. DATE RECEIVED		3. ESR NUMBER	
	1. REMARKS			
SECTION D FINAL ENDORSEMENT	2. EST. COMPLETION DATE		3. AUTHORIZED REPRESENTATIVE (Signature)	
	4. DATE		1. ENCLOSURE(S) <input type="checkbox"/> DRAWINGS AND MAPS <input type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER (specify)	
	2. EST. COST (if applicable) \$		3. AUTHORIZED REPRESENTATIVE (Signature)	
	4. DATE OF COMPLETION			

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 Blind copy to: MAIN





b. Identify sources requiring permits from the State of North Carolina in accordance with the Clean Air Act.

c. Provide technical data needs to prepare required permit applications for existing sources (as of 31 December 1982).

II. BACKGROUND: Scope of work identified herein was discussed with Mr. M. Davenport (LANTDIV CODE 11).

III. DETAILS OF WORK: Perform engineering services providing updated NAPSIS Masterfile and required permits with supporting technical data.

IV. FUNDS AVAILABLE: Funds for these services will be provided upon request.

V. POINT OF CONTACT: Mr. Vann MARSHBURN, Planning Section, Design Branch, Public Works Division, AUTOVON: 484-1833



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SECTION A
FOR USE BY REQUESTER

1. FROM (Activity and location) Commanding General, Marine Corps Base, Camp Lejeune, North Carolina 28542	
2. TO Commander, Atlantic Division, Naval Facilities Engineering Command, Norfolk, VA 23511	
3. REFERENCE(S)	4. ESR IDENTIFICATION NUMBER (if applicable) 15E81
5. ENCLOSURE(S) (check) <input type="checkbox"/> NAVCOMPT 140 <input type="checkbox"/> OTHER (specify) _____ <input type="checkbox"/> NAVCOMPT 2038 <input type="checkbox"/> NAVCOMPT 372	6. TYPE OF FUNDING (check) <input type="checkbox"/> O&MN <input checked="" type="checkbox"/> OTHER (specify) <u>OMMC</u> <input type="checkbox"/> NIF <input type="checkbox"/> NAF
7. TYPE OF SERVICES REQUESTED Engineering Study, Cooking Grease Disposal	8. DESIRED COMPLETION DATE 30 March 1982
9. DESCRIPTION OF WORK I. <u>GENERAL</u> . An engineering study is required to investigate various methods for disposing of cooking grease generated at various locations on the Marine Corps Base, Camp Lejeune, and the Marine Corps Air Station (Helicopter), New River, Jacksonville, NC. II. <u>BACKGROUND</u> . Currently, approximately 25,000 gallons of grease and water are collected weekly from 57 grease traps at MCB and MCAS(H),NR. The grease traps are located primarily at dining facilities, schools, clubs and other eating establishments.	
10. FOR INFORMATION CONSULT (Name and phone) ERIS ROUSE, AV:484-3238	11. OFFICIAL REPRESENTATIVE (Signature) R. E. CARLSON By direction
12. DATE 29 MAR 1982	

SECTION B
FOR USE BY EFD

1. SCOPE OF SERVICES	2. DATE RECEIVED
	3. ESR NUMBER

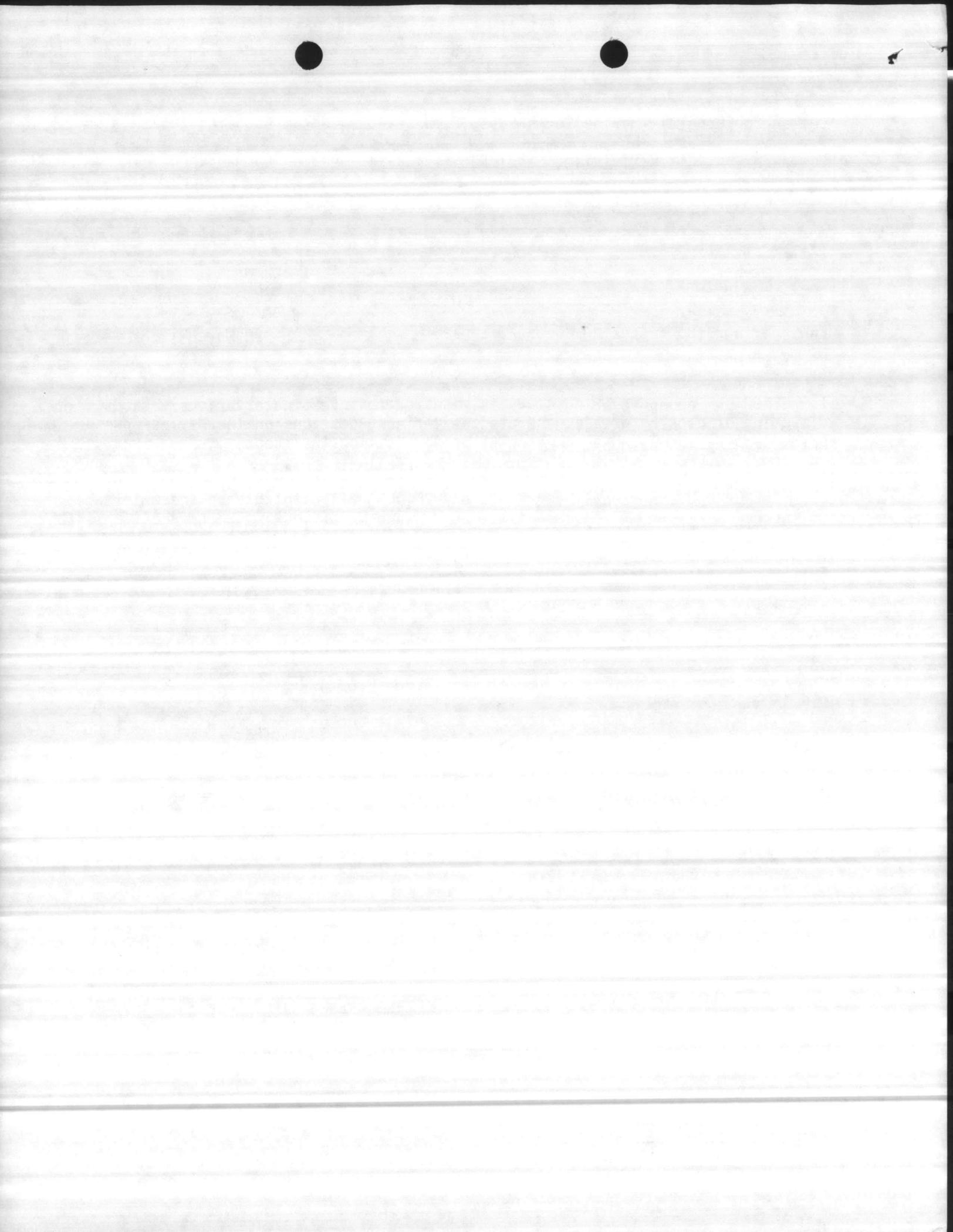
SECTION C
INTERIM ENDORSEMENT

1. REMARKS			
2. EST. COMPLETION DATE	3. AUTHORIZED REPRESENTATIVE (Signature)	4. DATE	

SECTION D
FINAL ENDORSEMENT

1. ENCLOSURE(S) <input type="checkbox"/> DRAWINGS AND MAPS <input type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> REPORT <input type="checkbox"/> OTHER (specify) _____			
2. EST. COST (if applicable) \$	3. AUTHORIZED REPRESENTATIVE (Signature)	4. DATE OF COMPLETION	

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In the past, the grease/water mixture has been deposited in the sanitary landfill. However, during a recent inspection of the landfill by a state inspector, the Base was directed to stop depositing any liquids into the landfill.

III. DETAILS OF WORK.

A. Identify and evaluate alternative methods of disposal. The following is a list of possible alternatives:

(1) Sell the grease to a commercial source. A sample has been taken and sent to a private lab for analysis to determine the value (if any) of the grease. It is likely that the grease would require separation prior to sale.

(2) Land application. Direct application to land in such a manner as to prevent surface runoff.

(3) Pit disposal outside the confines of the sanitary landfill. Periodically, the pit would require filling and relocating.

(4) Disposal in Sewage Plant. Currently none of the Base sewage plants are appropriately equipped to process this waste. As a separate unrelated item, addition of an automatic oil separator to the Hadnot Point sewage disposal plant as a part of Project P-790 is being considered. This would allow disposal in the plant, however, availability of this alternative is not assured.

B. Provide recommendations relative to short-term and long-term solutions. The Base is presently considering alternatives (2) and (3) above as short-term solutions. However, environmental and maintenance requirements may make these uneconomical.

C. Provide project data for any future construction recommended.

IV. FUNDS AVAILABLE. Funding will be provided upon request.

V. POINT OF CONTACT: Eris ROUSE, AV: 404-3238.



BASE MAINTENANCE DEPARTMENT
Marine Corps Base
Camp Lejeune, North Carolina 28542

RMA
File w/ESR

MAIN/FEC/kmd
4330
26 May 1981

From: Base Maintenance Officer
To: Public Works Officer

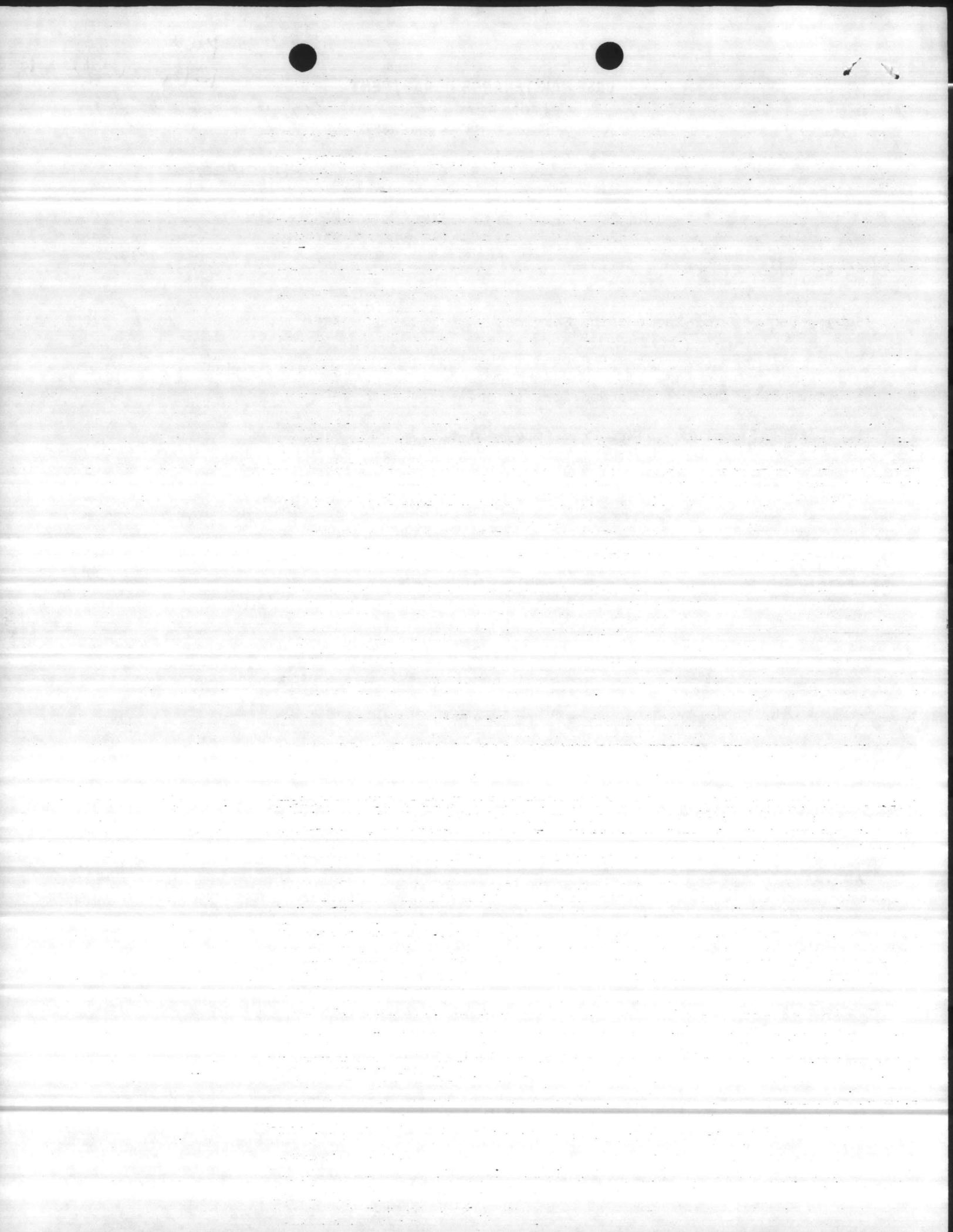
Subj: Request for Engineering Services

Encl: (1) ESR for Grease Disposal Problem

1. Enclosure (1) is forwarded for action.
2. Point of contact is Mr. Fred Cone, 451-5855.

F. E. Cone
F. E. CONE
By direction

Copy to:
OpnsDiv ✓
UtilDiv
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ENGINEERING SERVICE REQUEST FOR GREASE DISPOSAL

I. General. Engineering services are required to determine proper disposal of grease and liquid pumped out of grease traps at Marine Corps Base, Camp Lejeune.

II. Background. Camp Lejeune presently pumps approximately 25,000 gallons of grease and water weekly from 57 grease traps around the base. The grease traps are located primarily at dining facilities, schools, clubs and other eating establishments. In the past, the liquid/grease has been deposited in the sanitary landfill. However, during a recent inspection of the landfill by a state inspector, we were directed to stop putting any liquid into the landfill. We have investigated several alternatives regarding possible disposal of the grease:

a. Selling to commercial source - a sample has been taken and sent to a private lab for analysis to determine the value (if any) of the grease. It is likely that the grease will require separation to get it into a form to sell.

b. Land Application - direct application to land (must prevent surface runoff).

c. Pit Disposal - disposal in a pit (periodically fill pit and relocate).

d. Disposal in Sewage Plant - Utilities personnel presently do not recommend disposal in the Sewage Plant. An attempt is being made to include installation of an automatic oil separator in the main Sewage Plant under Project P-789. This would allow disposal in the plant, however, completion would not be expected prior to FY83 (at the earliest).

We are presently considering alternatives (b) and (c) above as short-term solutions. However, environmental and maintenance requirements may make these uneconomical.

III. Scope of Work.

- a. Review possible alternatives to the problem.
- b. Determine best solution, short-term and long-term.
- c. Provide project data for any future construction recommended.

IV. Funding. Will be provided upon request.

