

FWO:JBH:dh  
MAY 25 1977

Mr. Tom Roach  
County Manager  
107 New Bridge Street  
Jacksonville, North Carolina 28540

Dear Mr. Roach:

Subject: Proposed license to Onslow County for clearance  
of drainage outfalls

Reference is made to the County Manager's letter 24:ARY over EO-234 of June 14, 1976 to the Atlantic Division, Naval Facilities Engineering Command, Norfolk, Virginia. As you were advised by their letter of November 29, 1976, the matter of the County's request for a drainage easement aboard Camp Lejeune has been under considerable investigation for some time. A study recently completed by our Public Works Department engineers strongly indicates that this drainage problem is far too complex to be solved by the approach contained in the license proposal.

*Design*

I have concluded that it would not be in the best interests of all concerned to issue either a license or an easement to the County until several items of major importance are resolved. I therefore propose that a meeting between Marine Corps and Onslow County representatives be held within the near future to review the problem. Specifically, the following subjects should be discussed:

a. The need for a comprehensive engineering study to show proposed invert elevations of culverts, proposed ditch bottom profiles both on and off Base property, maximum discharges to be delivered to each culvert, details of construction work to be performed on Base, and details of drainage improvement work that will be performed on the private sector side (north side) of Highway 24. The engineering plan should address the question of just how much the ground water table will be lowered in various areas as a result of the proposed work and should take into account the permeability of the natural soils. It should also include sufficient preventative measures to preclude flooding of low areas along Wallace Creek and the mosquito breeding potential as a result of increased drainage flow.

b. The desirability of developing long-range zoning plans for the problem area that will insure adequate control of pollution problems.

*Return to PWD*

40105 147

0027 147

Subj: Proposed license to Onslow County for clearance of drainage outfalls

Even if the water table can be lowered appreciably, it is felt that septic tanks do not provide an adequate method of sewage disposal in the area. Septic tank systems are much underdesigned in some areas and no amount of lowering of the water table will render them adequate. This matter is of acute importance to Marine Corps Base, Camp Lejeune since it affects the quality of surface waters entering the Base. It is likely that various State agencies and the Environmental Protection Agency may have substantial interests in this matter.

If the proposed study shows that the regrading of ditches and culverts is the best approach, I will favor an easement containing the following requirements of the County: (1) provide perpetual maintenance of the easement areas; (2) assume the responsibility for obtaining all necessary permits; (3) provide evidence that conditions are suitable for proper operation of septic tanks and to assume responsibility for sampling and pollution abatement as necessary, should the systems fail to operate; (4) assume responsibility for preventing erosion during and after construction; (5) relocate all affected utility lines in a manner satisfactory to the Marine Corps Base; and (6) provide trash racks on all culverts entering the Base.

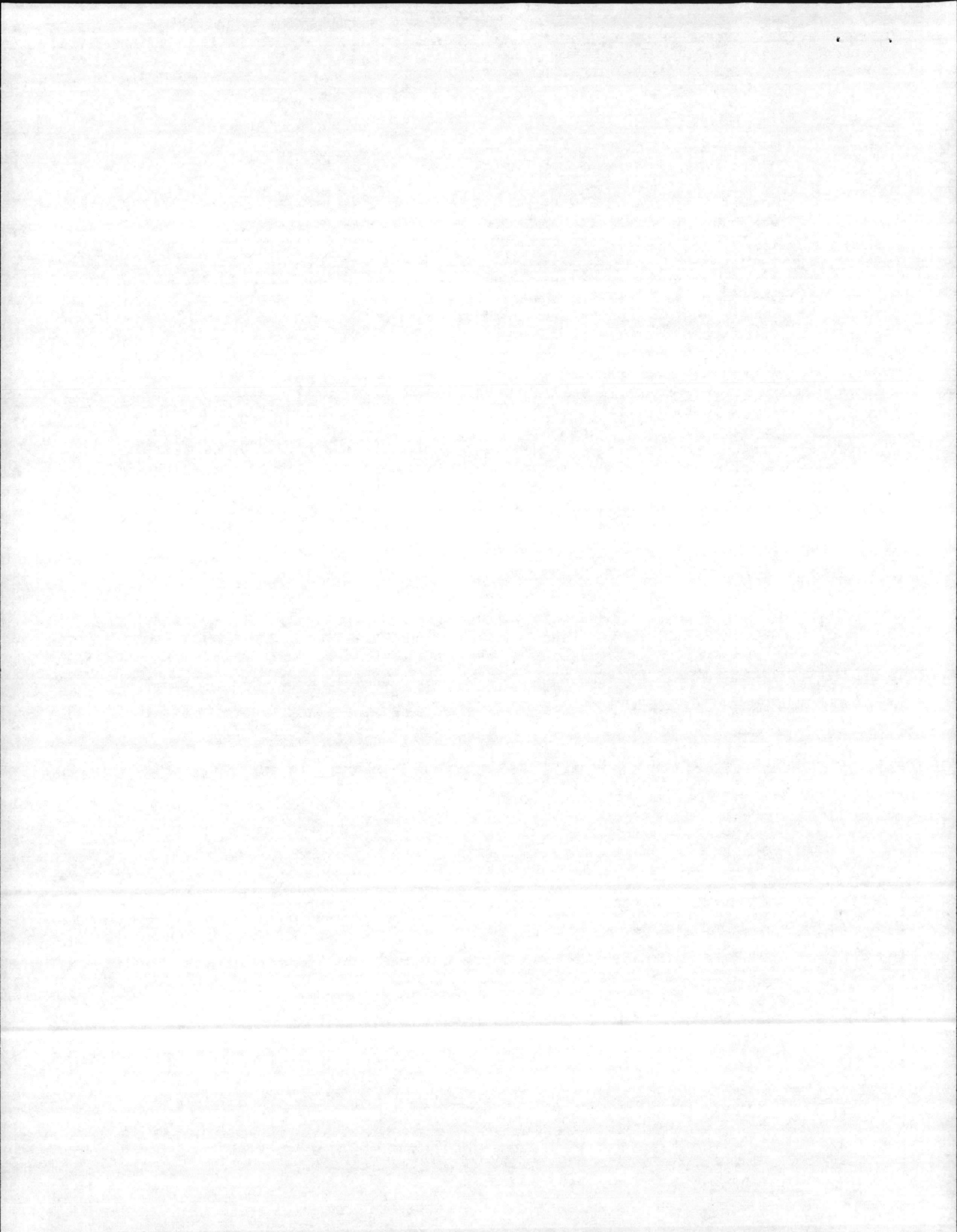
A related problem also to be considered is that the increased water flow and accompanying increased sediment load will probably have an impact on shellfish beds in the lower reaches of Wallace Creek, and should be included in a revision to the previously submitted environmental impact assessment.

I am most anxious to see the existing problem solved; however, it is essential that the solution be in accordance with good engineering practices and be beneficial to Camp Lejeune, Onslow County, and the general public. Please be assured of my personal interest in resolving this matter in a manner satisfactory to all concerned.

H. POGGEMEYER, JR.  
MAJOR GENERAL, U. S. MARINE CORPS  
COMMANDING GENERAL

Copy to:  
LANTNAVFACENGCOM

Blind copy-to:  
AC/S, Fac



HEADQUARTERS, MARINE CORPS BASE, CAMP LEJEUNE

ACTION BRIEF

Date: 19 May 1977

Staff Section: Public Works Department

Subj: Proposed license to Onslow County for clearance of drainage outfalls on Camp Lejeune

Ref: (a) Onslow County Mgr ltr to CG, MCB, CLNC of 13 Jun 75  
(b) CG, MCB, CLNC ltr to LANTNAVFACENGCOM of 2 Jul 75  
(c) LANTNAVFACENGCOM ltr to Onslow County Mgr of 4 Feb 76  
(d) Onslow County Mgr ltr to LANTNAVFACENGCOM of 14 Jun 76  
(e) LANTNAVFACENGCOM ltr to CG, MCB, CLNC of 16 Jul 76  
(f) LANTNAVFACENGCOM ltr to CG, MCB, CLNC of 7 Sep 76  
(g) CG, MCB, CLNC ltr to LANTNAVFACENGCOM of 15 Nov 76  
(h) Onslow County Mgr ltr to LANTNAVFACENGCOM of 16 Nov 76  
(i) LANTNAVFACENGCOM ltr to Onslow County Mgr of 29 Nov 76  
(j) LANTNAVFACENGCOM ltr to CG, MCB, CLNC of 8 Apr 77

Problem:

The property along the north side of Hwy. 24 drains under the roadway and into natural drainages through Camp Lejeune into the river.

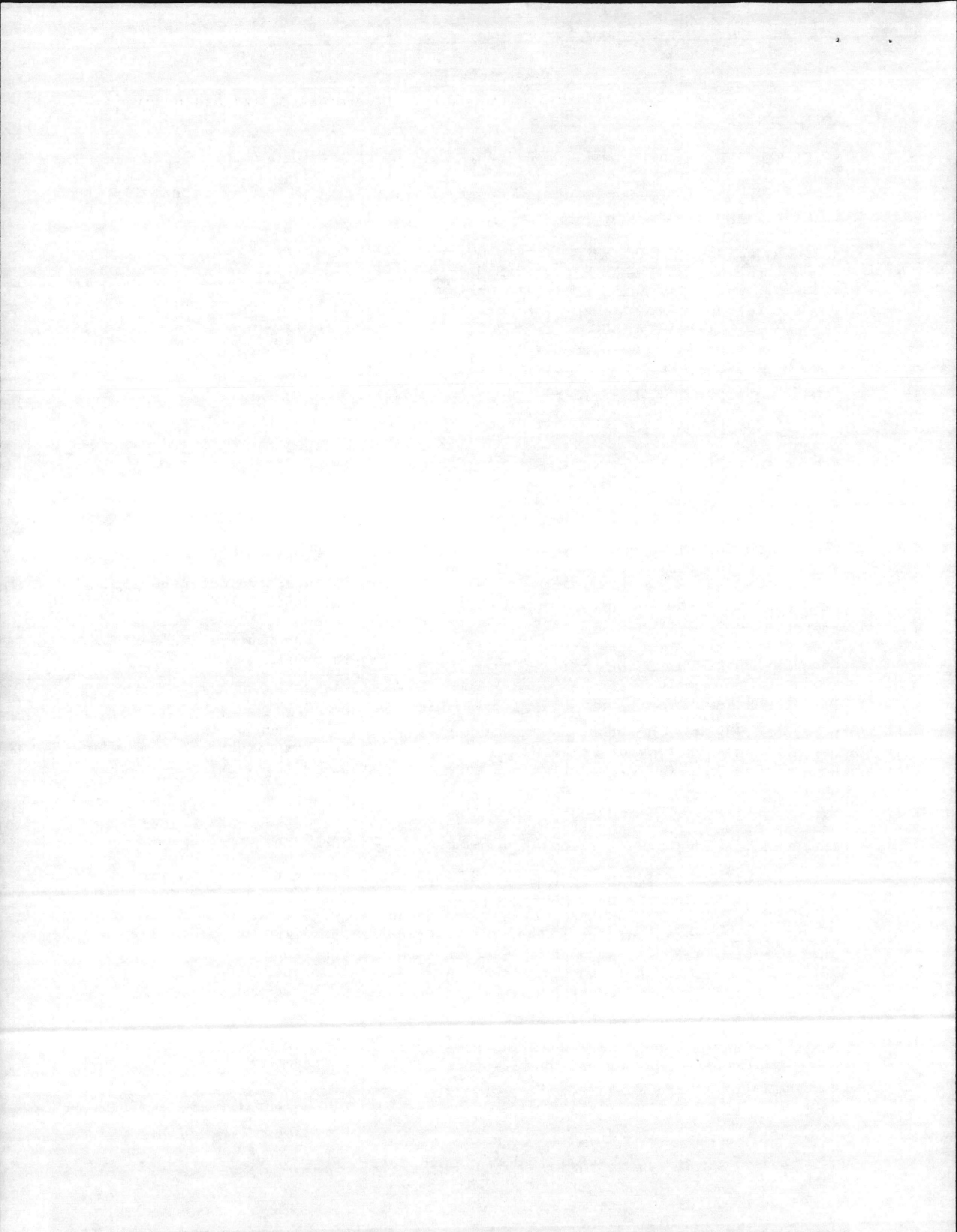
The Onslow County Manager thinks the present poor drainage can be cleared up if the County is granted an easement or license to come aboard the Base and clear out and regrade some of our drainage streams. Our engineers do not agree and recommend that the County conduct a comprehensive engineering study to determine what course of action would best solve the drainage problem. The purpose of this letter is to explain the Government's position to the County. This problem has been the subject of community interest for several years.

Background/Discussion:

Reference (a) was the first formal request from the County complete enough to warrant consideration of granting a drainage easement. At first, the Commanding General was in favor of granting the easement (reference (b)). By reference (c) LANTNAVFACENGCOM requested additional information from the County. The County's reply (reference (d)) was forwarded to the Commanding General by reference (e) and followed by reference (f) in which the Commanding General was advised that the County's environmental impact assessment was inadequate.

After considerable investigation by Public Works Department engineers, it was concluded that the drainage problem north of Hwy. 24 was too complex to be solved by simple ditch clearing, and it was recommended in reference (g) that the easement not be granted until the County completed more detailed investigations of the problem. Issues that need to be addressed are long-range County zoning for pollution control, environmental impact on Government property, County maintenance responsibility on Government property, water table problems and sedimentation in streams.

By reference (h) the County queried the status of the Government's action on the original County request, and by reference (i) LANTNAVFACENGCOM advised that the matter was still under study and that contact would be made soon by the Commanding General. By reference (j) the Commanding General was advised that LANTNAVFACENGCOM



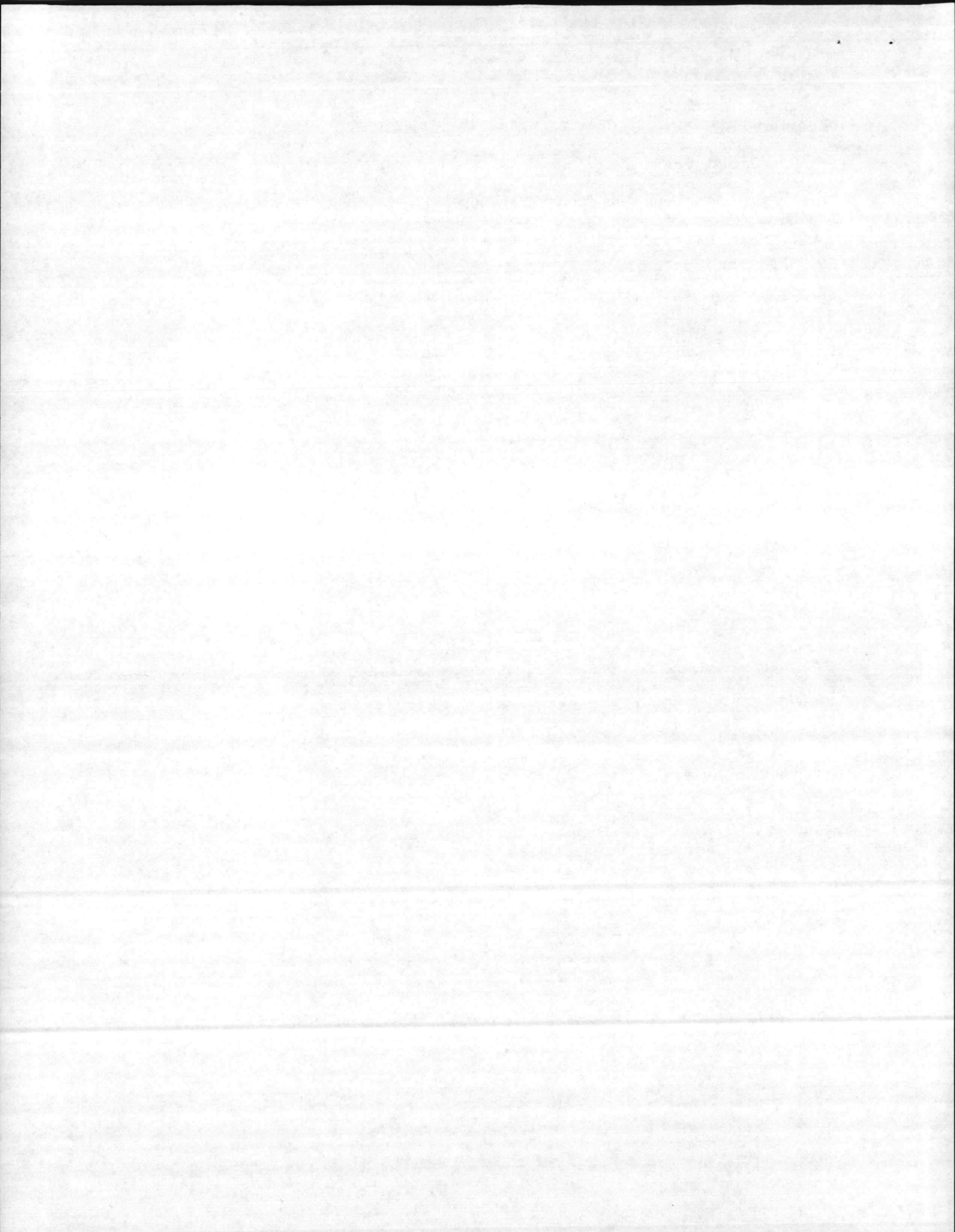
concurrent in the Commanding General's position in reference (g) and provided additional guidance in dealing with the County.

Recommended Action:

This reply to the Onslow County Manager will outline the Government's position and pave the way for further exchange of Government/County viewpoints. It also enumerates the Government's requirements of the County before an easement can be granted.

Recommend approval and signature of basic letter.

R. A. EARNST  
CDR, CEC, USN  
Public Works Officer





ONILED 217165  
COUNTY

107 New Bridge Street  
Jacksonville, NC 28540  
Telephone (919) 347-4717

June 18, 1975

Major General Fred Haynes  
Commanding General  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

Re: Request for Easement  
For Drainage Line

Dear General Haynes:

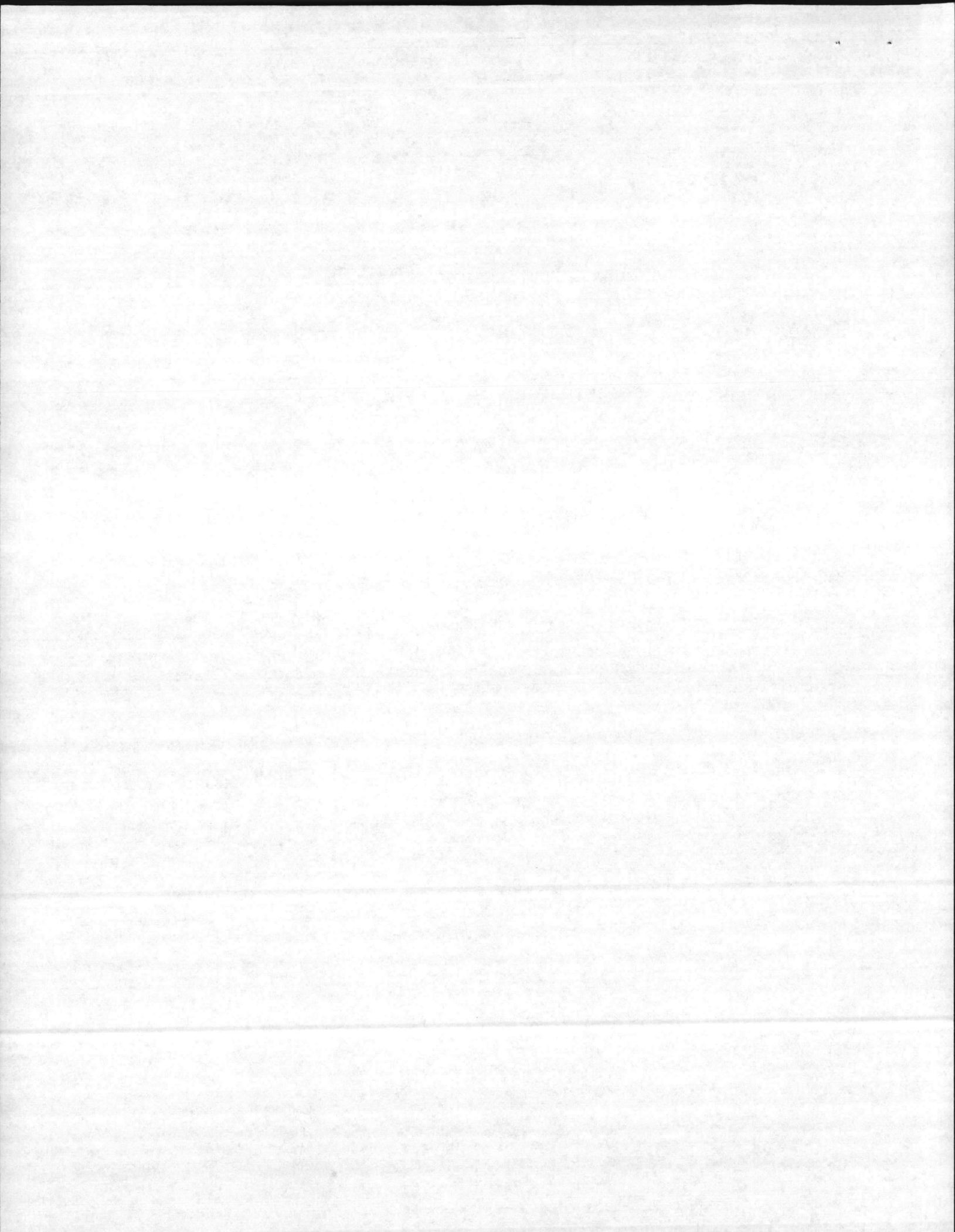
It is respectfully requested that easement be granted to Onslow County for the clearing of 18,374 lineal feet of natural drainage outfalls along those streams as indicated on attachments A - I. These streams originate off Base, but the stream flows have been disrupted by construction of highways thus impeding the natural flow of drainage.

To correct these conditions, the County requests permission to deepen the outfall ditches until the natural flow is again maintained. Attachments 1 - 12 and supplement attachments A - I graphically indicate the work required to be performed.

Should this request be granted by the United States Government, Onslow County will grant assurances that the work necessary to properly clean and restore the drainage streams will be at the expense of Onslow County, without any liability to the United States Government; and, further, Onslow County will provide the necessary future maintenance of the drainage streams as necessary.

This request is made to provide proper drainage for those areas adjacent to the Base and will provide more suitable residential areas, and reduce potential public health hazards now created by high water tables within each area.

A letter will be written to the Department of Transportation, State of North Carolina, requesting entry onto that property now granted as a right of way for highway NC 24 by the United States Government, duplicated in attachment A-I and further requesting the Department of Transportation to

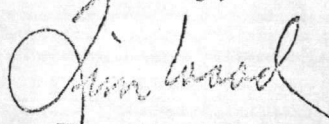


June 13, 1975

lower the culverts now blocking the outflow as part of a coordinated program utilizing the latest engineering standards for this type of construction.

It is respectfully requested that favorable consideration be given to this project. Please don't hesitate to contact this office if further information is needed.

Sincerely,



Timothy Wood  
County Manager

TW:bf

Enclosures





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

IN REPLY REFER TO

FAC:LD:mktc  
P-11340  
2 JUL 1975

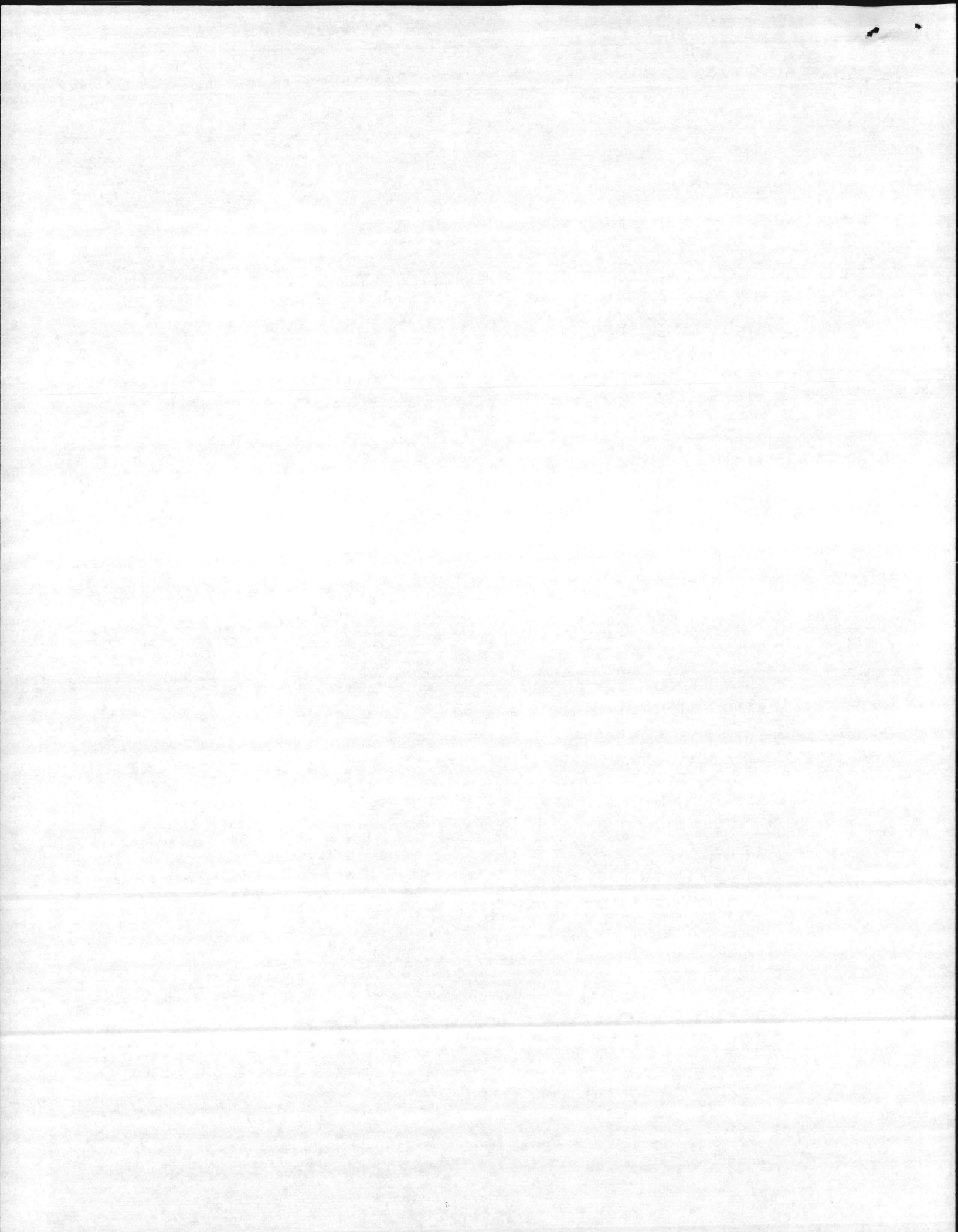
From: Commanding General  
To: Commander, Atlantic Division, Naval Facilities Engineering  
Command, Norfolk, Virginia 23511  
Via: Commandant of the Marine Corps (Code LFF)

Subj: Onslow County's request for easement; forwarding of

Ref: (a) MCO P44-D.22A

Encl: (1) County Mgr, Onslow County, ltr of 13 Jun 1975 w/encls

1. Enclosure (1) is forwarded strongly recommending the requested easement be granted.
2. The following comments are made in accordance with the instructions contained in reference (a):
  - a. Ten prints and other descriptive data are provided.
  - b. The property requested is the only property which can be reasonably used for the purpose.
  - c. The granting of the easement will not interfere with the Government's present or foreseeable use of the property.
  - d. Granting of the easement will be of benefit to the Government for health reasons in that the individuals residing in the area immediately adjacent to the Government property are predominantly military personnel with dependents. The benefits to be derived are considered sufficient to grant the easement without monetary consideration.
  - e. This area of the Coastal Plains is underlain by hundreds of feet of unconsolidated to weakly consolidated sediments. The sediments are mostly clean sand and clayey sand interlayered with deposits of clay and marine shells. Interspersed within the area are depressions where the soil is muck. This type of area creates management problems for the North Carolina/Onslow County health agencies in that past practices of treating these areas with petroleum is now forbidden by the Environmental Protection Agency. The requested easement will permit the County to adequately drain these areas in conjunction with planned management of all Base areas.
  - f. The granting of this easement has been the subject of Congressional correspondence over the past four years and many articles have appeared in the local news media, pointing out that the natural drainage for this

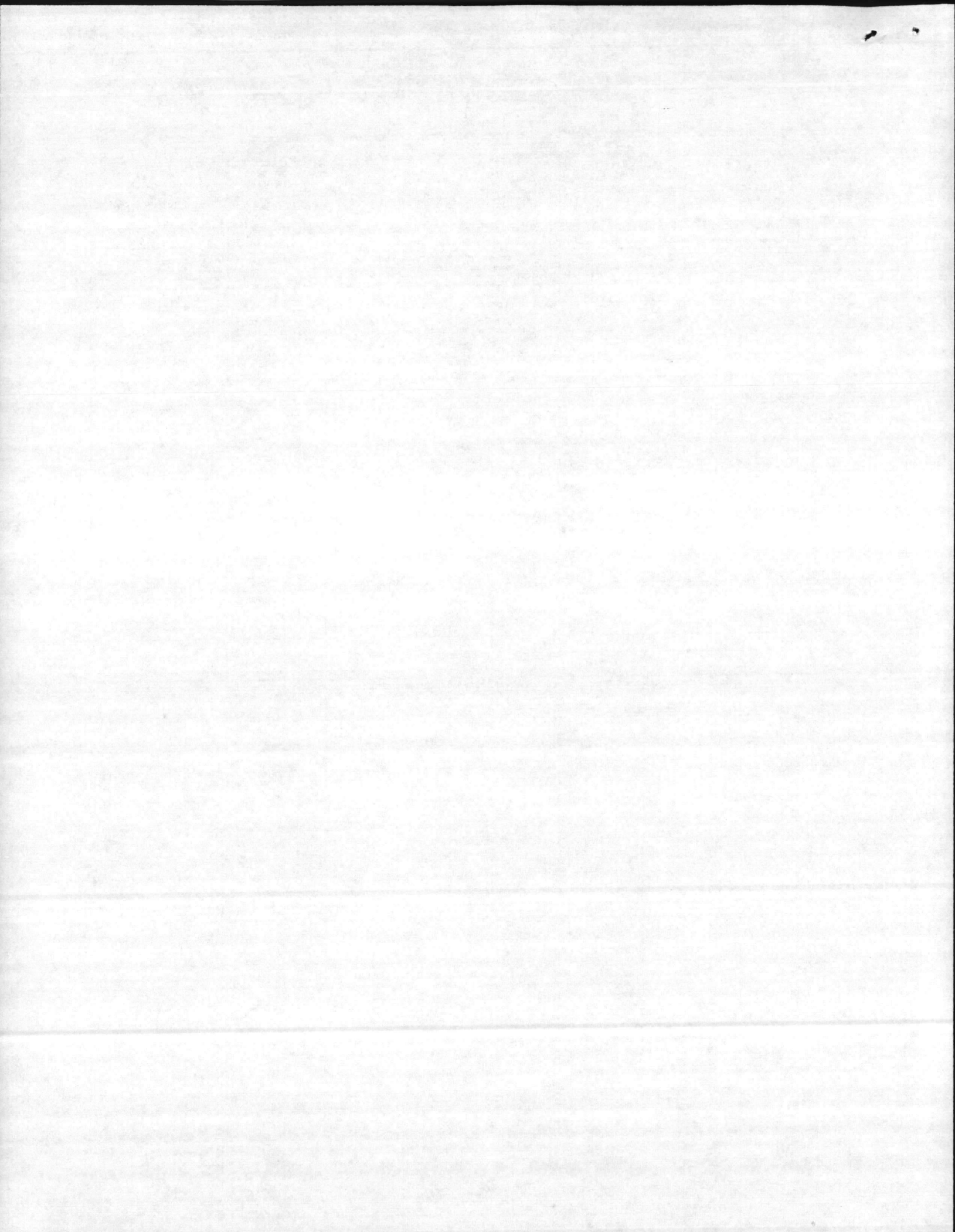


heavily populated section of the County was through Base property. There were many meetings and much correspondence, however, until receipt of enclosure (1), no formal request had been received containing all of the elements considered necessary for an easement. The granting of this easement will permit the deepening of each channel to the point that natural drainage flow is reestablished.

GEORGE CARIDAKIS  
By direction

Copy to:  
County Manager, Onslow County

Blind copy to:  
BMaintO  
→ PWO





Office of the  
County Manager

June 13, 1975

107 New Bridge Street  
Jacksonville, NC 28540  
Telephone (919) 347-4717

Major General Fred Haynes  
Commanding General  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

Re: Request for Easement  
For Drainage Line

Dear General Haynes:

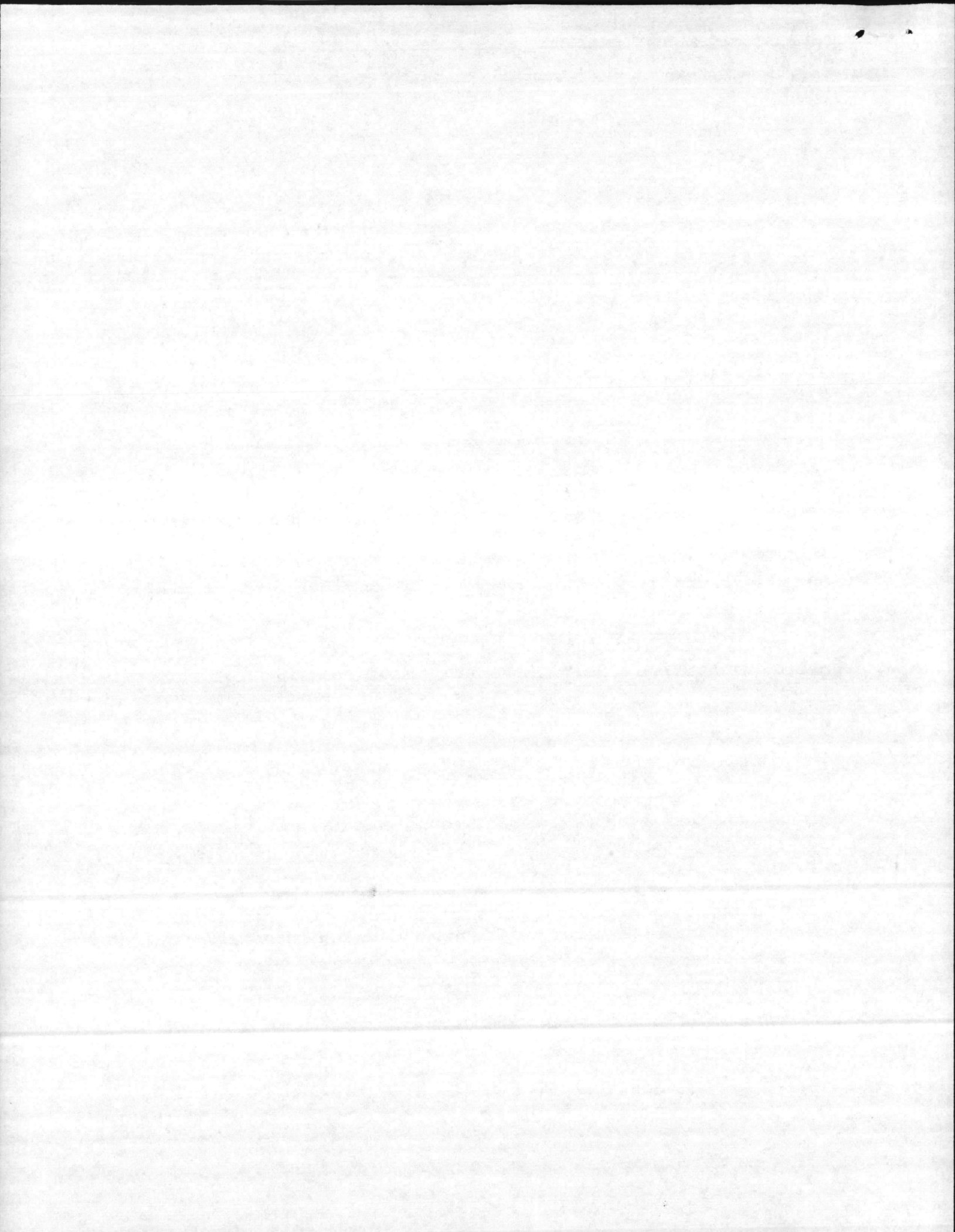
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To correct these conditions, the County requests permission to deepen the outfall ditches until the natural flow is again maintained. Attachments 1 - 12 and supplement attachments A - I graphically indicate the work required to be performed.

Should this request be granted by the United States Government, Onslow County will grant assurances that the work necessary to properly clean and restore the drainage streams will be at the expense of Onslow County, without any liability to the United States Government; and, further, Onslow County will provide the necessary future maintenance of the drainage streams as necessary.

This request is made to provide proper drainage for those areas adjacent to the Base and will provide more suitable residential areas, and reduce potential public health hazards now created by high water tables within each area.

A letter will be written to the Department of Transportation, State of North Carolina, requesting entry onto that property now granted as a right of way for highway NC 24 by the United States Government, duplicated in attachment A-I and further requesting the Department of Transportation to

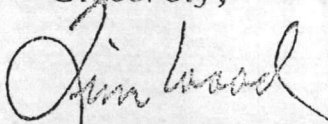


June 13, 1975

lower the culverts now blocking the outflow as part of a coordinated program utilizing the latest engineering standards for this type of construction.

It is respectfully requested that favorable consideration be given to this project. Please don't hesitate to contact this office if further information is needed.

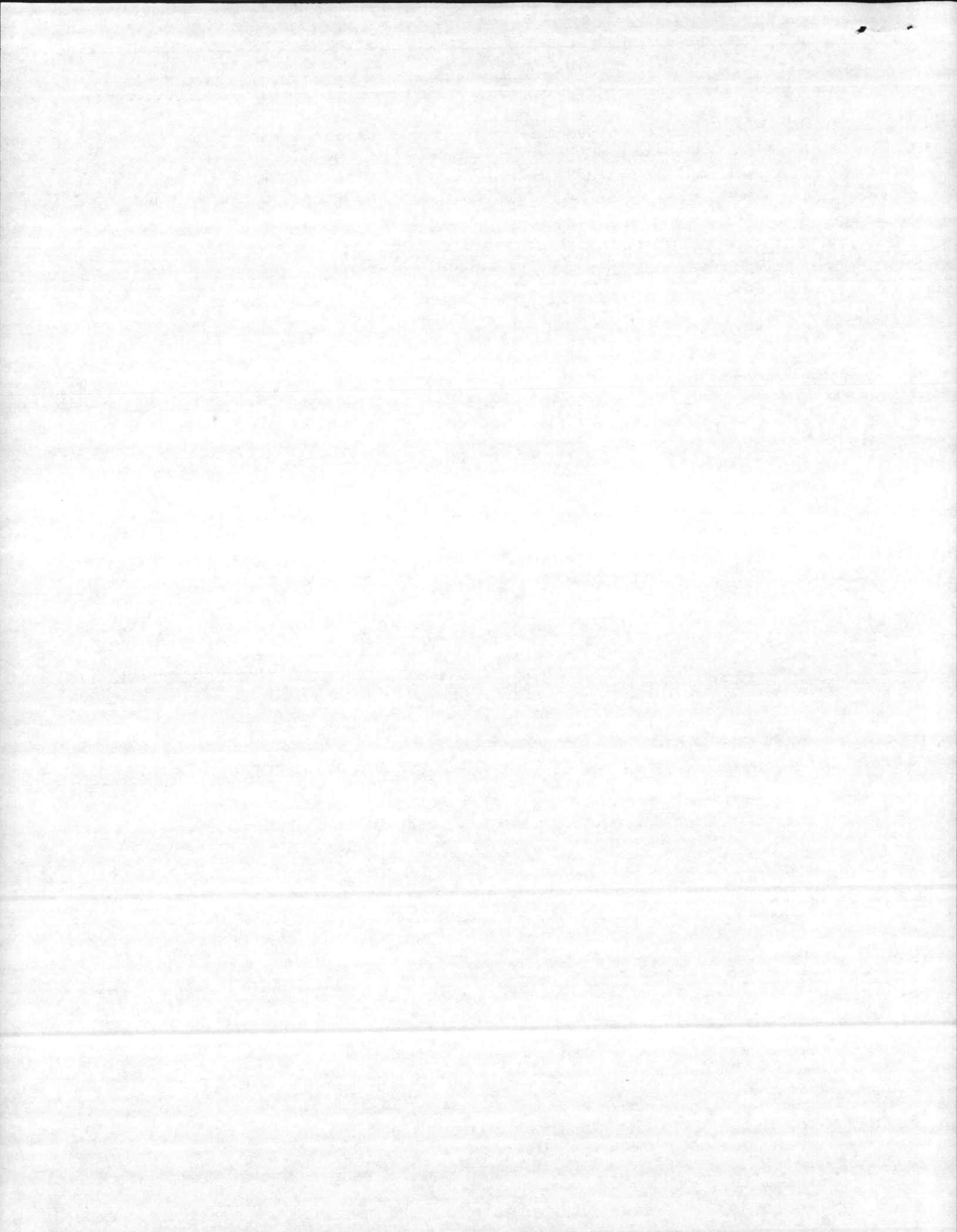
Sincerely,



Timothy Wood  
County Manager

TW:bf

Enclosures (*in Public Work Dept*)





DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

TELEPHONE NO.  
444-7411

IN REPLY REFER TO:

24:ARY  
EO-234  
February 4, 1976

	ROUTING ORDER	INIT
1	10	
2	20	
3	200	
4	250	
5	TMO	
	ORIG	FI

Mr. Timothy Wood  
County Manager  
Onslow County  
107 New Bridge Street  
Jacksonville, North Carolina 28540

Dear Mr. Wood:

Reference is made to our conversation of February 3, 1976, concerning Onslow County's request for easements to clear 18,374 lineal feet of natural drainage outfalls on Government-owned land near Highway 24 at the Marine Corps Base, Camp Lejeune.

As stated in our conversation, we will need additional information for processing of the easements, viz.: (1) plans and specifications; (2) copy of environmental impact study; (3) property map for attachment as an exhibit to the easement instrument; and (4) a vicinity map.

It was understood that the project is in the County's FY77 program and construction will begin after July 1, 1976. If the above information can be furnished, we anticipate no problem in processing the easements prior to this date. I am forwarding a copy of the standard easement form for your review. Please advise if it is acceptable.

It is noted that a standard provision in Government easements require that the facility be maintained in good condition. It was understood in our conversation of February 3, 1976, that the County has funds programmed only for cleaning of the drainage outfalls and no funds are programmed for future maintenance. If this is a single operation involving only cleaning of the outfalls, it is suggested that you consider acceptance of a license in lieu of an easement. A standard license form is attached for your review. Authority to accomplish the desired clean out work can be authorized by the license but, of course, there would be no permanent or future interests after the work is completed. The issuance of a license would also not require a property map, legal descriptions, or centerline surveys as would be needed with an easement grant. We would require, however, the environmental study and a copy of your plans and specifications.

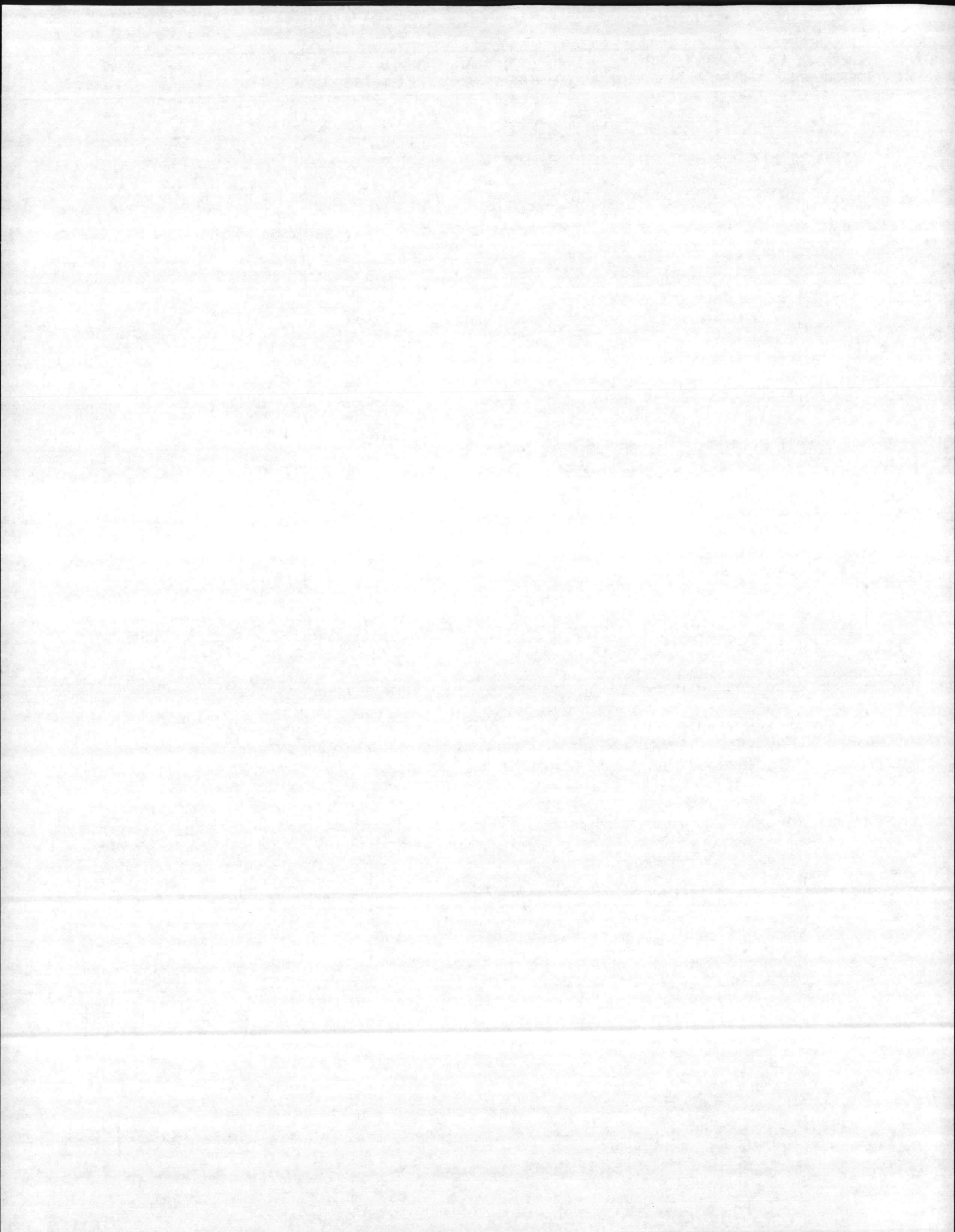
Please be assured of our desire to cooperate in this matter.

Sincerely yours,

A. R. YOUNG  
Director, Real Estate Division  
By direction of the Commander

Enclosures





# ON SLOW COUNTY

of the  
y Commissioners

June 14, 1976

107 New Bridge Street  
Jacksonville, NC 28540  
Telephone (919) 347-4717

Mr. A. R. Young, Director  
Real Estate Division  
Department of the Navy  
Atlantic Division  
Naval Facilities Engineering Command  
Norfolk, Virginia 23511

Re: 24:ARY  
EO-234

Dear Mr. Young:


I am in possession of your letter to Mr. Timothy Wood of February 4, 1976 regarding Onslow County's request for easement to clear 18,374 lineal feet of natural drainage outfalls on Government-owned land near Highway 24 at Marine Corps Base, Camp Lejeune.

I have discussed this project with the supervisors involved and we are in agreement with you that we should opt for a license in lieu of an easement. Attached are copies of the plans and specifications as well as an environmental assessment which has been prepared by the Onslow County Public Works Department. I have reviewed the license you sent in your April 4th letter and have executed it and am returning it to you.

If the attached documents are approved by your office, we do expect that work will start after July 1, 1976 on this project.

We appreciate your cooperation in this matter and we will be glad to supply further information regarding it if you so desire.

Sincerely,

  
R. G. Leary  
Administrative Officer

RGL:bf

cc: Mr. John Downing, Public Works Director

Encl (1)







DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

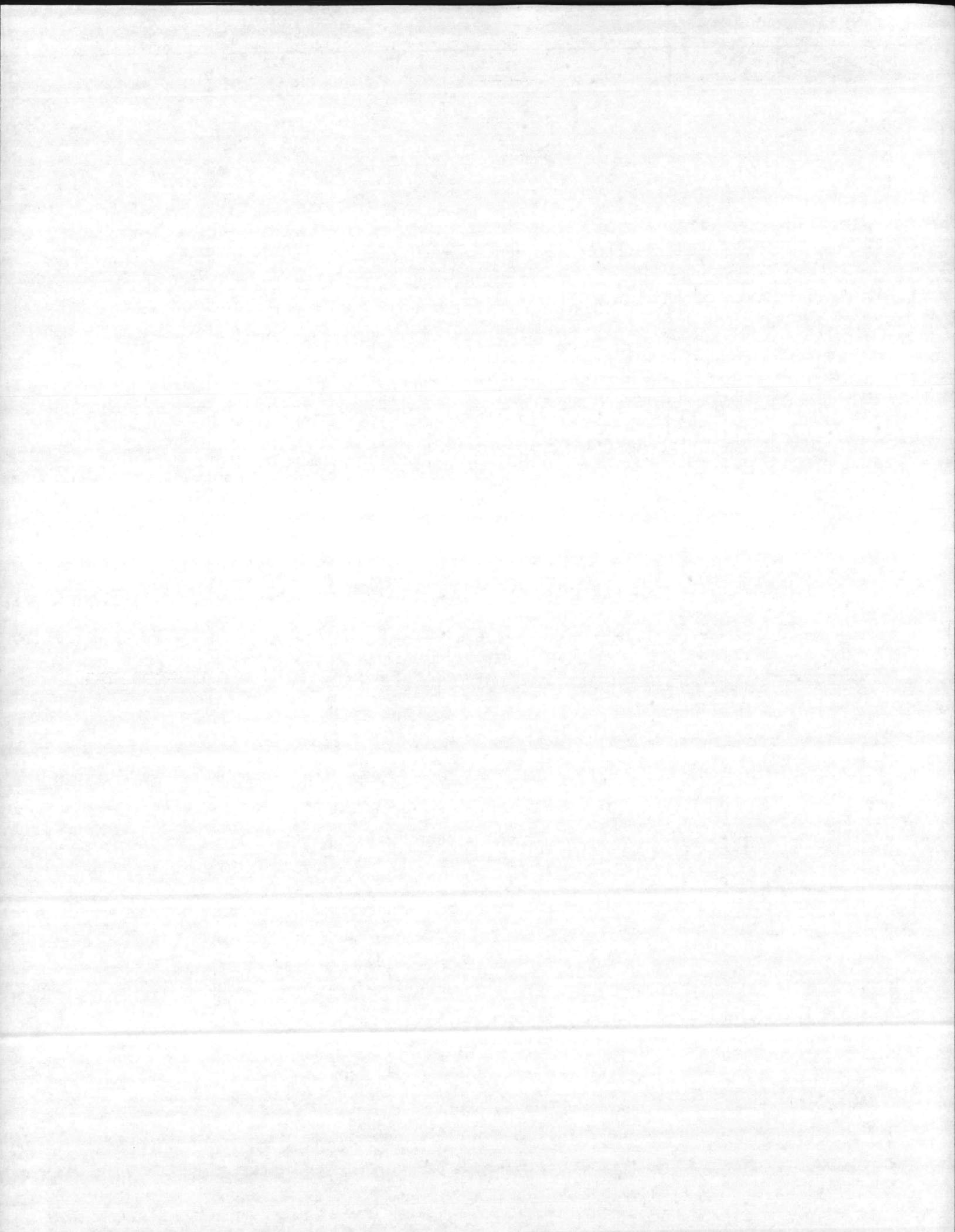
441 1111  
241  
16 JUL 1976

From: Commander, Atlantic Division, Naval Facilities Engineering Command  
To: Commanding General, Marine Corps Base, Camp Lejeune  
Subj: Proposed license to Onslow County for clearance of drainage outfalls  
Ref: (a) Onslow County ltr of 13 June 1975  
(b) MCB CAMLEJ ltr FAC:LD:mkc P-11340 of 2 July 1975  
Encl: (1) Onslow County ltr of 14 June 1976 (copy)  
(2) Proposed License (copy)

1. Reference (a) requested an easement to clear 18,374 linear feet of natural drainage outfalls along several streams located on Base property in the vicinity of N. C. State Highway 24. Reference (b) recommended that the request be granted. By enclosure (1), Onslow County requested a license in lieu of an easement for subject project.
2. Enclosures (1) and (2) are forwarded for review and approval prior to the issuance of subject license to Onslow County.

  
M. L. SPRUILL  
By direction







DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

TELEPHONE NO.  
444-7131  
AUTOVON 690-7131  
IN REPLY REFER TO:  
20A3:JHB  
11010/CAMLEJ  
7 SEP 1976

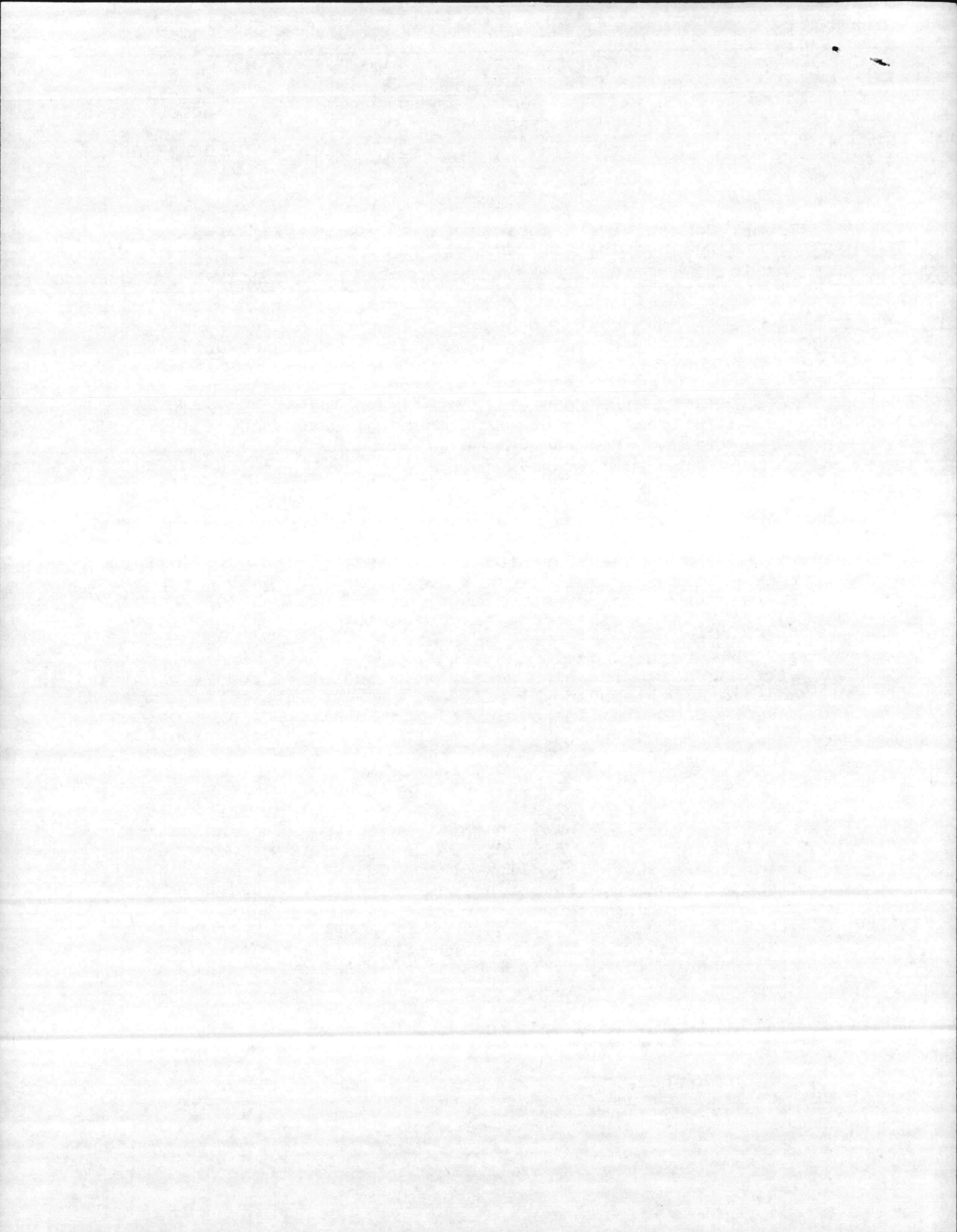
**From:** Commander, Atlantic Division, Naval Facilities  
Engineering Command  
**To:** Commanding General, Marine Corps Base, Camp Lejeune,  
North Carolina  
**Subj:** MARCORB CAMLEJ Proposed License to Onslow County,  
North Carolina, for clearance of Drainage Outfalls;  
Environmental review of  
**Ref:** (a) Onslow County ltr of 13 Jun 1975  
(b) Onslow County Environmental Assessment  
(c) MCO-P-11000.8A  
(d) OPNAVINST 6240.3D  
(e) Phonecon btwn MARCORB CAMLEJ (Mr. J. Powell)  
and LANTNAVFACENGCOCOM (Mr. J. Brandon) of  
27 Aug 1976

1. Reference (a) requested authority to clear 18,374 linear feet of natural drainage features at MARCORB CAMLEJ. Reference (b) was reviewed for compliance with references (c) and (d), and is considered to be inadequate.

2. This Command feels that the proposed ditch improvements will not solve the high water table and storm runoff problems. Additionally, should the proposed improvements be implemented, MARCORB CAMLEJ will experience additional flooding problems along Wallace Creek due to the decreased concentration time of storm runoff upstream.

3. Geological surveys indicate that the soils in the vicinity of MARCORB CAMLEJ drain poorly. The fact that the water table is extremely high in this area gives some indication that subsurface drainage may be inadequate to lower the water table enough to allow proper operation of the sewage disposal systems. An extensive soil study should be made in the areas experiencing problems to verify that the proposed ditch improvements will lower the water table to the desired elevation and to verify that the sewage disposal systems will operate properly if the water table is lowered.





7 SEP 1976


4. As discussed in reference (e), onsite observations revealed that elevation of the ditches on MARCORB CAMLEJ do not control the storm runoff, but that flow is controlled predominantly upstream of MARCORB CAMLEJ property, and in some cases, by culverts running under State Highway 24. It appears that a considerable amount of channel improvements will have to be made upstream of MARCORB CAMLEJ, in the private sector, and at State Highway 24.

5. It is recommended that the Commanding General, Marine Corps Base, Camp Lejeune:

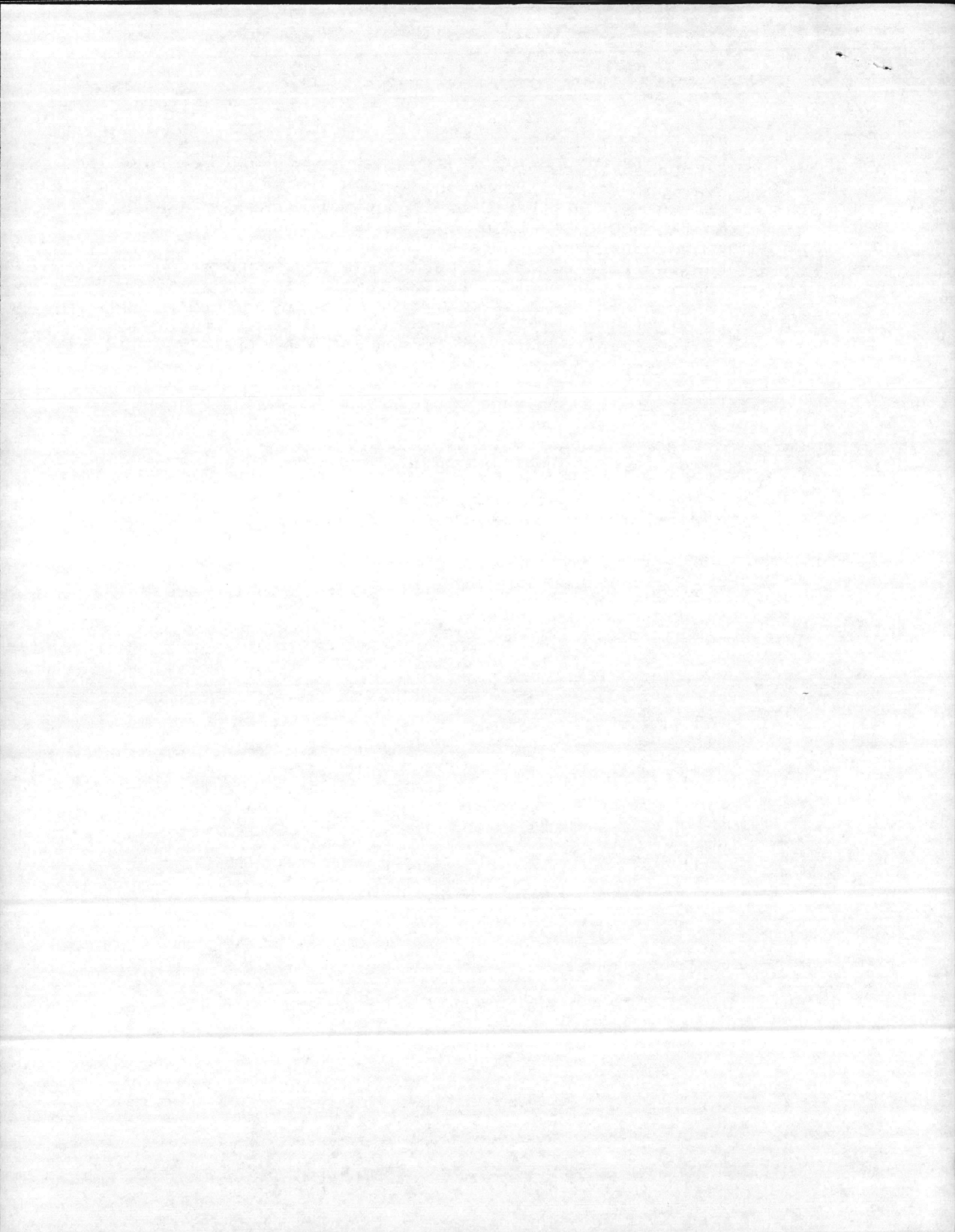
a. Review the drainage improvement plans for the entire watershed of Wallace Creek with Onslow County, the North Carolina Highway Department, the North Carolina State Planning Office, and the North Carolina Department of Natural Resources.

b. Obtain some assurance from Onslow County that the proposed drainage improvements will lower the water table to the desired elevation for proper operation of the sewage disposal systems.

c. Obtain some assurance that the soil in the areas of sewage disposal systems is sufficiently pervious to allow proper operation of the systems.



N. D. FALK  
By direction



FWO:CFP:da

NOV 15 1976

From: Commanding General  
To: Commander, Atlantic Division, Naval Facilities Engineering  
Command, Norfolk, Virginia 23511

Subj: Proposed license to Onslow County for clearance of drainage  
outfalls.

Ref: (a) LANNAVFACENGCOM ltr 241:NSB over LIC-O-558 dtd 16 Jul 1976

Encl: (1) P-O, MCB, GRC memo P-O:JBR:m for AC/S, Facilities dtd  
26 Aug 1976

1. It is requested that the license proposed in reference (a) not be issued. This is based upon review of prior correspondence relating to the subject project and current engineering evaluation by Public Works Department engineers.

*Design*

2. Files at Marine Corps Base, Camp Lejeune indicate that Onslow County first contacted the Base on 1 May 1969 to request improvement of drainage through the Base in the general area of Piney Green-Robert and Camp Geiger. In the intervening years, numerous meetings took place among County, State (Highway Commission) and Base representatives on various aspects of the problem and all agreed that a problem does, indeed, exist. The extent of engineering work that has been accomplished to define the degree of the problem and the extent of remedial work to be undertaken has been woefully inadequate, however. Throughout the negotiations, it was understood that an easement would be issued and Marine Corps Base, Camp Lejeune insisted upon the County assuming responsibility for future upkeep. A license, since it does not require any maintenance or repair by the licensee, would not be satisfactory.

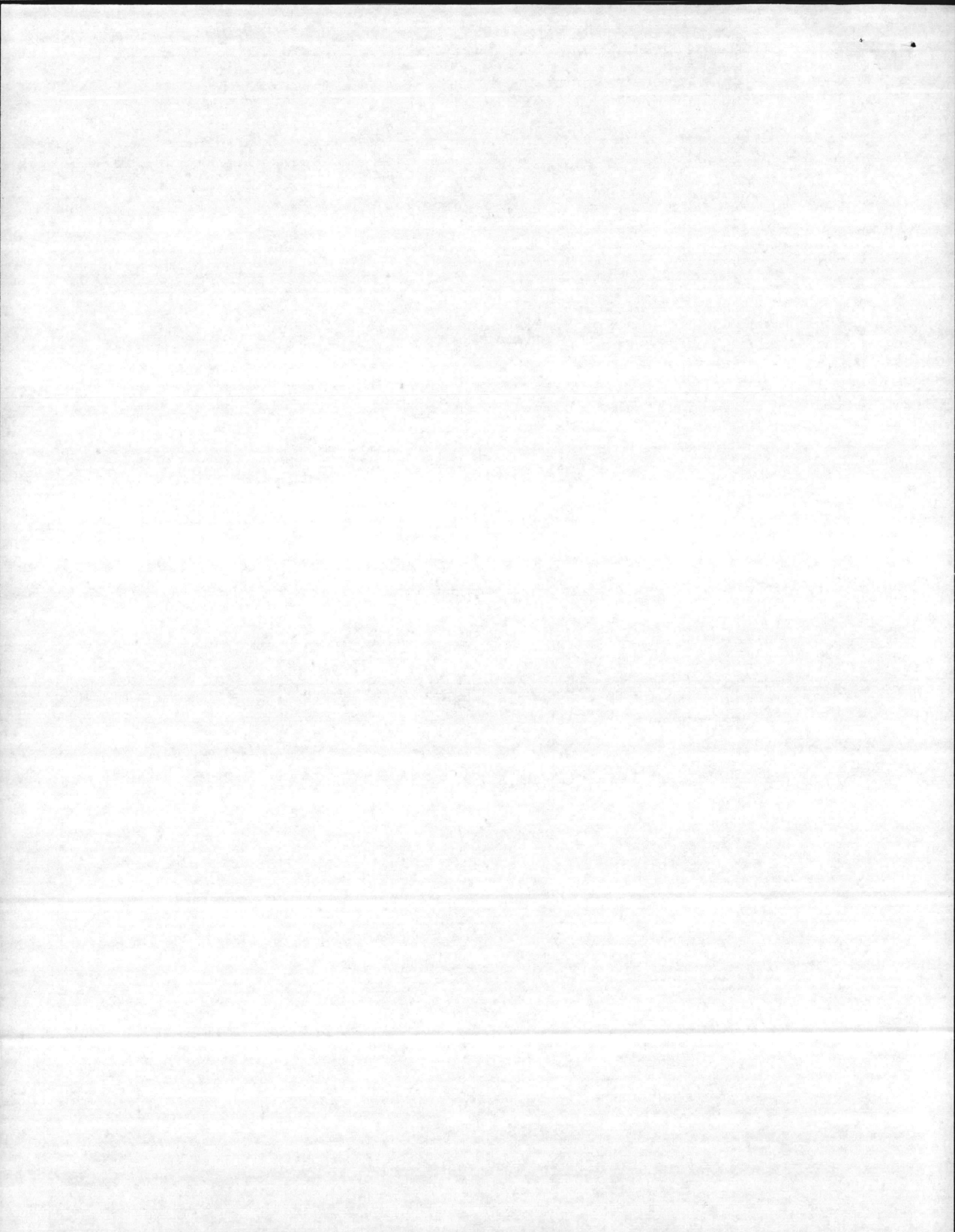
3. As outlined in enclosure (1), this command believes that the drainage problem to the north of Highway 24 in the Piney Green-Robert area is far too complex to be solved by the simplistic approach contained in the proposed license. It is proposed that the following course of action be pursued:

a. The Commanding General, Marine Corps Base, Camp Lejeune contact the new Onslow County Manager setting forth the position of the Command and request a meeting with county officials to review the problem. A letter is being prepared at this time.

b. The Government require that a comprehensive engineering study be conducted and a plan be developed to show proposed invert elevations

RETURN TO AED, FACILITIES

*P. P. ...*





Subj: Proposed license to Onslow County for clearance of drainage outfalls

of culverts, proposed ditch bottom profiles both on and off Base property, maximum discharges to be delivered to each culvert, details of construction work to be performed on Base, and details of drainage improvement work that will be performed on the private sector side (north side) of Highway 24. The engineering plan should address the question of just how much the general water table will be lowered in various areas as a result of the proposed work and should take into account the permeability of the natural soils.

c. The Commanding General, Marine Corps Base, Camp Lejeune urge the County Manager to develop long-range zoning plans for the problem area that will insure adequate control of pollution problems. Even if the water table can be lowered appreciably, it is felt that septic tanks do not provide an adequate method of sewage disposal in the area. At present, septic tank systems are grossly underdesigned in some areas and no amount of lowering of the water table will render them adequate. This matter is of acute importance to this Command since it affects the usability of surface waters entering the Base. It is likely that various state agencies and the EPA may have substantial interests in this matter.

d. When, and if, it is decided that lowering the culverts and stream bed profiles will be of mutual benefit to the private sector and the Command, it appears that an easement is the type of instrument that should be executed. It should include requirements for the County to: (1) provide perpetual maintenance of the easement areas; (2) assume the responsibility for obtaining all necessary permits; (3) guarantee the bacteriological, biological and chemical quality of the water delivered onto the Base (standards should be stated); (4) assume responsibility for preventing erosion during and after construction; and (5) relocate all utility lines, that may be affected, in a manner satisfactory to the Command. Any easements granted to the County would have to conform with easements already granted the State for portions of the streams downstream from the culverts under Highway 24. LANTNAVFACENGCOM comments are solicited.

4. In the many deliberations that have taken place regarding this matter, an important basic fact has been overlooked or obscured; that is, that the drainage and pollution problems that are occurring today are, in many cases, the results of improper development. Contour maps dated 1951 show that this entire area was flat and swampy at that time so there is every reason to believe that the current high water table is not a recent phenomenon. The real question, then, is to what extent Marine Corps Base, Camp Lejeune should acquiesce with a request for alterations to Base property for the purpose of enhancing commercial development of off-Base property. It is the policy of this Command to cooperate with the local community to the

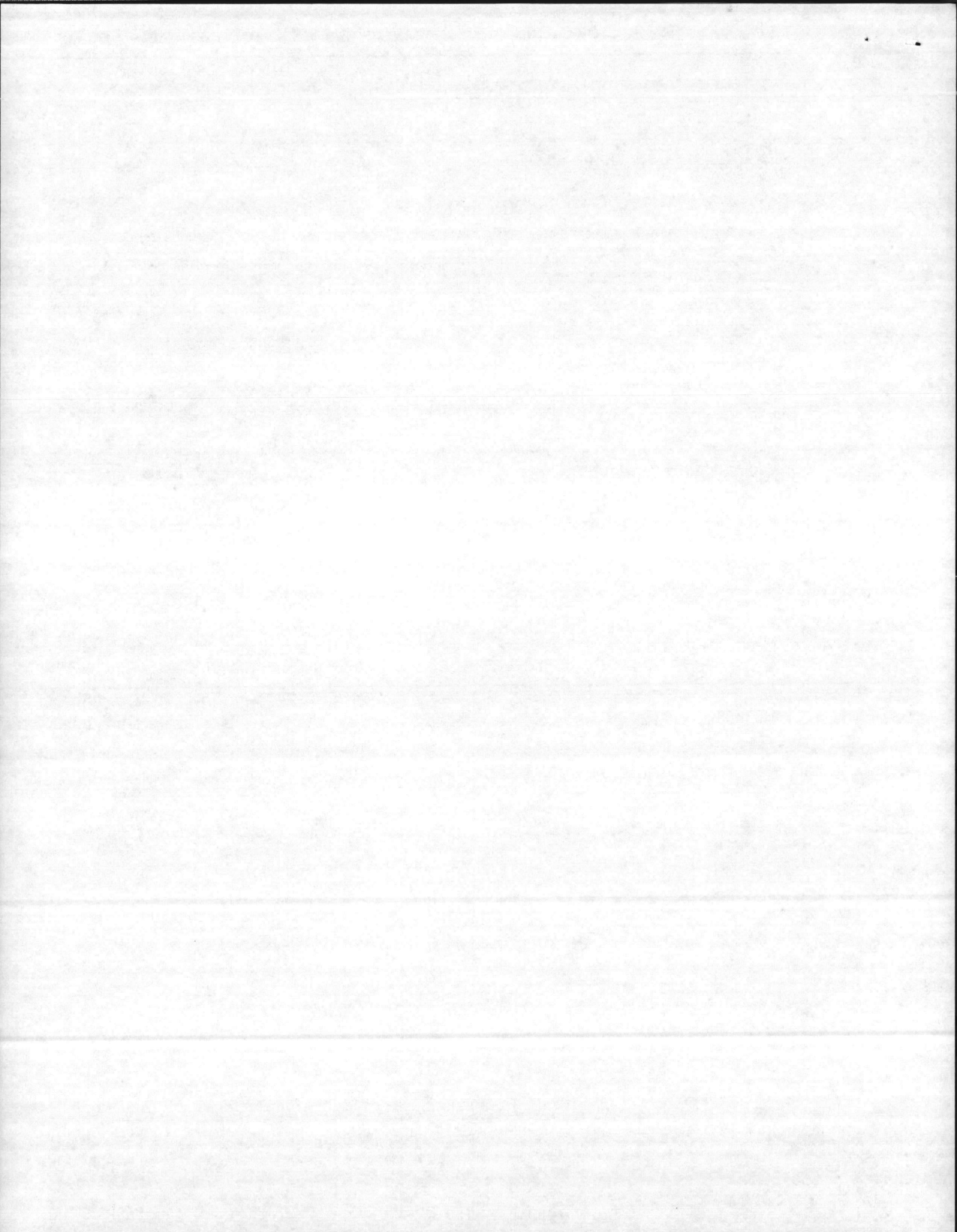


Subj: Proposed license to Onslow County for clearance of drainage  
outfalls

maximum extent consistent with Base interests but, on this particular  
problem, it is imperative that a solid determination be made that the  
plan is a good one and that the Base not incur future liabilities as a  
result of it.

B. H. CURWEN, JR.  
CHIEF OF STAFF

Blind copy to:  
AC/S, Fac (w/o encl.)





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

IN REPLY REFER TO

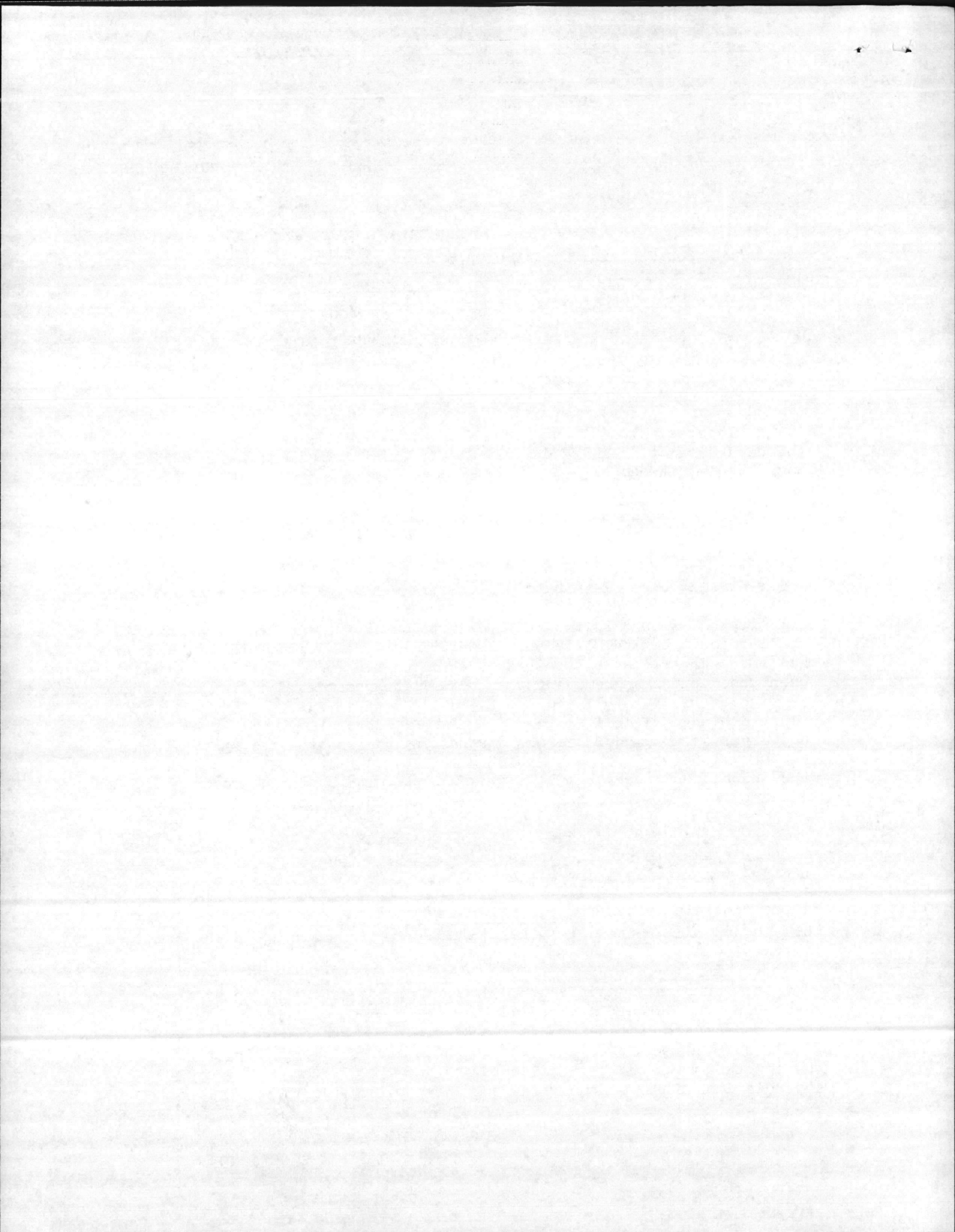
PWO:JBH:dh  
26 Aug 1976

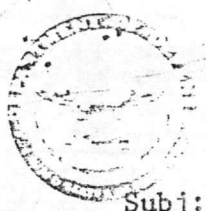
MEMORANDUM FOR THE ASSISTANT CHIEF OF STAFF, FACILITIES

Subj: Proposed license to Onslow County for clearance of drainage outfalls

Encl: (1) LANTDIV ltr 241:RHS over LIC-0-558 of 16 Jul 1976  
(2) AdminO, Office of the County Commissioners, Onslow County, Jacksonville, N. C. ltr of 14 Jun 1976  
(3) Copy of Proposed License

1. Enclosures (1), (2) and (3) and all available backup information on the clearance of drainage outfalls on Government-owned land near Hwy. 24 have been reviewed.
2. On 4 August 1976, the day following a rainfall expected once in ten years for this area, Public Works Department personnel inspected the area north of Hwy. 24 between Midway Park and Hubert which drains through culverts under Hwy. 24 onto Camp Lejeune property. All of the culverts under Hwy. 24 were carrying all the storm water reaching them and flowing less than one-half full. High water marks indicated that none of the culverts had flowed full with the exception of the one draining the trailer court behind Marie's Bar and Grill. The entrance to this culvert had been constricted by trash and debris washed from the trailer court. When the debris was removed, the culvert then carried the flow reaching it without flowing full and the hydraulic control shifted to the trailer court drainage ditch itself, which is badly obstructed. The storm water had a very strong odor and was discharging pollutants onto Camp Lejeune property. Several areas north of Hwy. 24 were flooded at the time of the inspection; however, the flooding was caused by an inadequate drainage system within the flooded area and not by culverts under Hwy. 24. The outfall ditches from the culverts which flow through Camp Lejeune property were also inspected. All of the outfall ditches were carrying off all the storm water reaching them and showed no signs of ever having impeded the flow of storm water.
3. On 10 August 1976 the culverts, outfall and areas were again inspected by PWD and NREA personnel. The findings were the same as on the previous inspection.
4. It is the opinion of the PWD engineers, and concurred in by NREA, that deepening the outfall ditches on Camp Lejeune property would have no effect on the drainage or water table elevation of the areas north of Hwy. 24. It is questionable that the water table would be lowered appreciably even by lowering both the road culverts and outfall ditches. A thorough hydrological study of the area would have to be made in order to determine





STATES MARINE CORPS  
MARINE CORPS BASE  
PINE BLUFF, ARKANSAS

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if the water table could be lowered. If the outfall ditches on MCB, Camp Lejeune were dredged, there would be an adverse effect on both the fauna and flora of the adjacent region and siltation or erosion problems might develop.

5. The areas north of Hwy. 24 definitely need an adequate storm drainage system to handle the surface runoff and prevent flooding; however, this will not solve the pollution problem caused by too many septic tanks too close together in low lying areas. This problem can be solved only by the elimination of faulty septic tanks and prohibiting the installation of additional ones in unsuitable areas. Even with the installation of an adequate drainage system, the danger of polluting the shallow wells in the area will exist as long as the septic tanks remain. In all likelihood, community or regional sewage treatment facilities will be required.

6. On 24 June 1971 the United States of America granted a perpetual easement to North Carolina State Highway Commission for the construction, operation and maintenance of Hwy. 24 including the drainage structures and outfall ditches. The parcels described in Addendum No. 1 to enclosure (3) include the same drainage structures and outfalls covered in the easement to N. C. State Highway Commission of 24 June 1971.


7. It is recommended that the license not be granted to Onslow County for the following reasons:

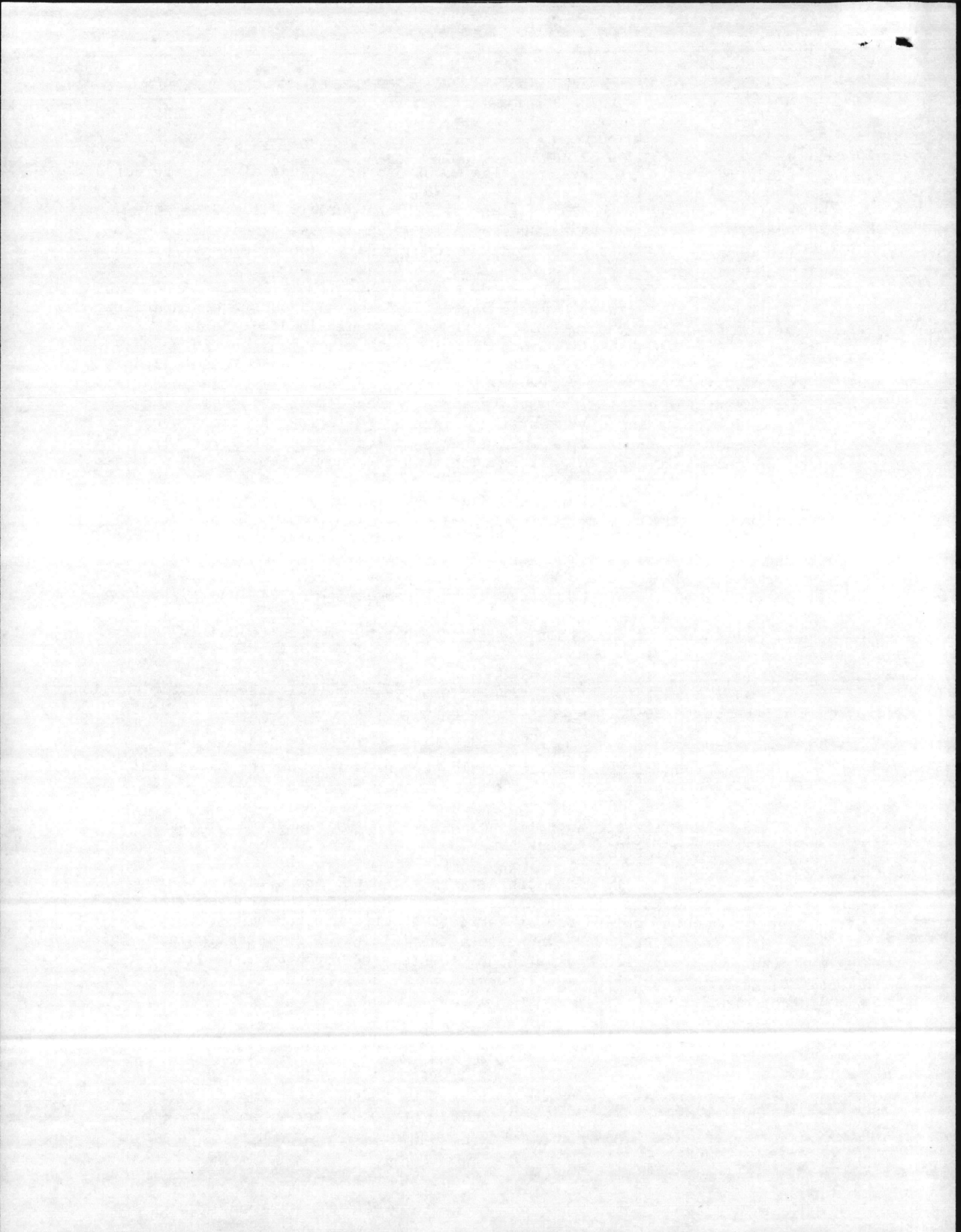
a. The Government has already granted perpetual easements for portions of the outfalls to the State Highway Commission of the State of North Carolina.

b. Dredging the outfalls would have no effect on the water table of areas north of Hwy. 24.

c. Dredging the outfalls would have an adverse effect on the environment of the adjacent areas.

Since the privately-owned property to the north of Hwy. 24 will undoubtedly be developed intensively in the future, the pollution problem will remain and grow worse unless proper corrective action is taken. It is recommended that MCB, Camp Lejeune take the initiative of establishing a joint planning group with Onslow County to study the problem and develop a long-range plan of action that will be effective and acceptable to all concerned.

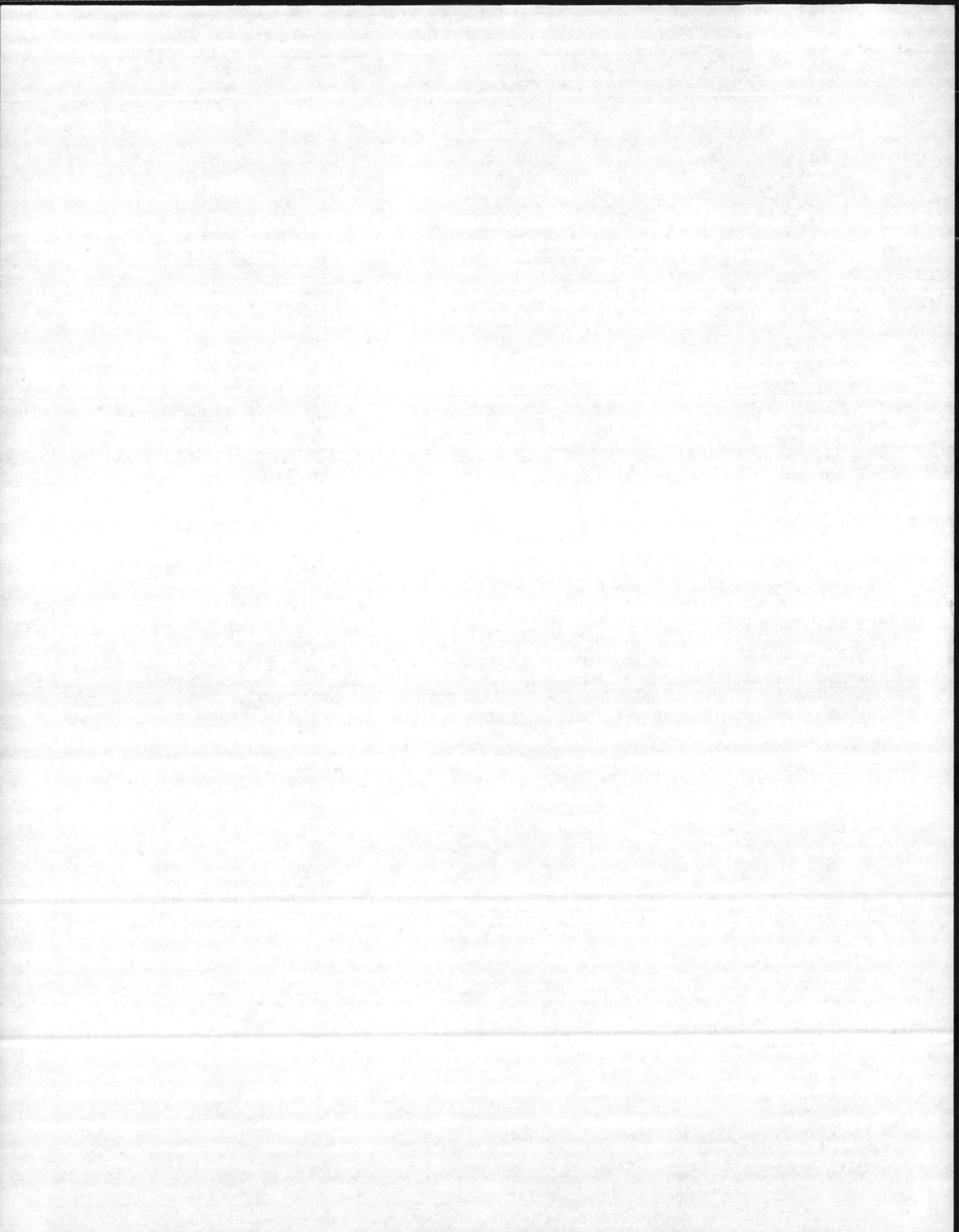
  
R. A. EARNST  
CDR, CEC, USN  
Public Works Officer





DON'T HAVE THIS  
ONE. ~~MUST BE IN~~  
~~AC/S, FACILITIES FILE~~  
~~ON THIS SUBJECT~~  
L/Cpl Berger said it isn't in  
Facilities file either.

5-20-77





DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

TELEPHONE NO.

444-7411

IN REPLY REFER TO:

241:RHS

LIC-O-558

29 NOV 1976

Mr. John P. Downing  
Director, Public Works and Buildings  
Onslow County  
107 New Bridge Street  
Jacksonville, N.C. 28540

Dear Mr. Downing:

This is to acknowledge receipt of your letter of 16 November 1976 concerning your request for a license to clear 18,374 linear feet of drainage outfalls at the Marine Corps Base, Camp Lejeune, N.C.

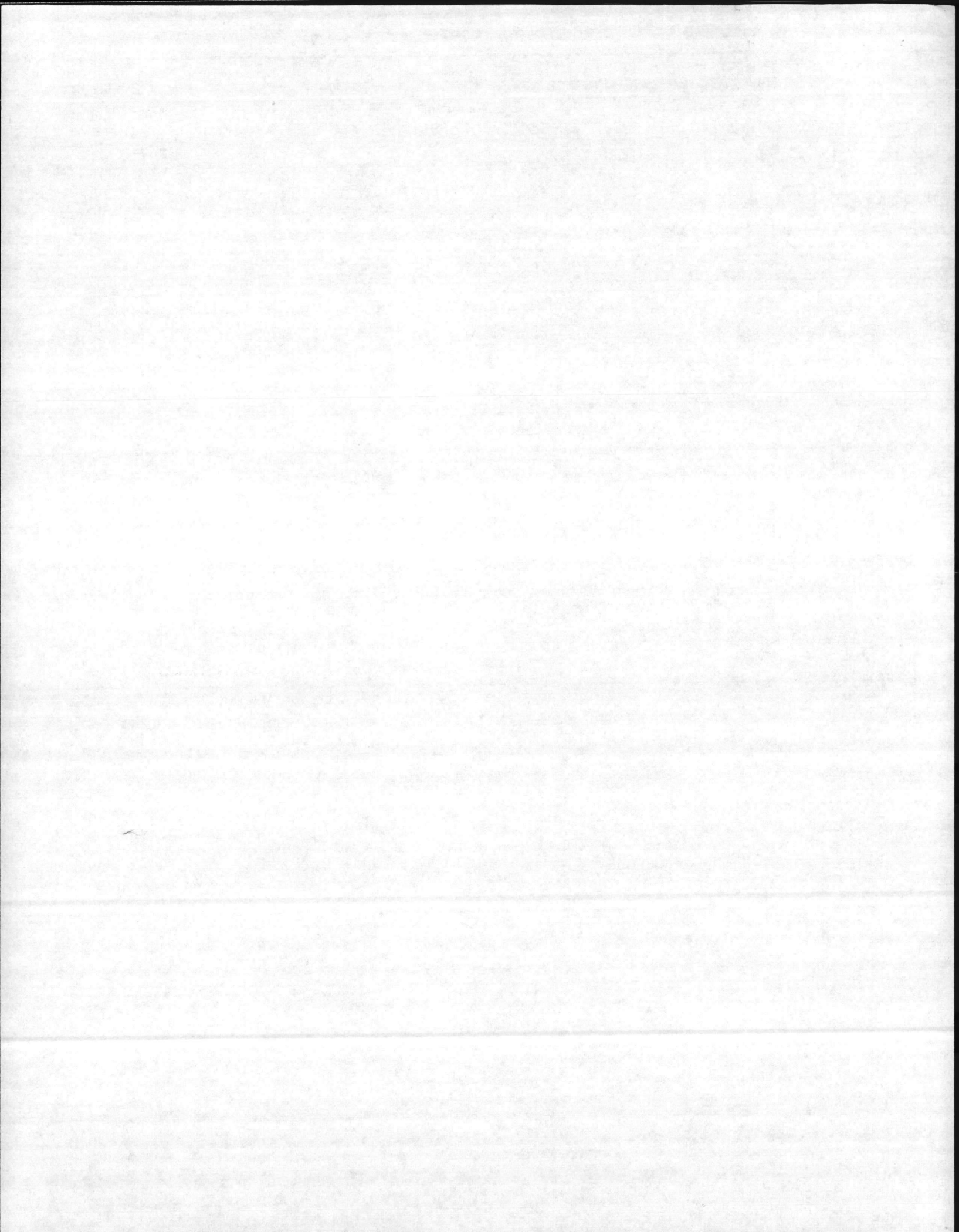
Your proposal is presently under consideration and you will be contacted by the Commanding General, Marine Corps Base, Camp Lejeune, for further discussions on this matter.

Sincerely,

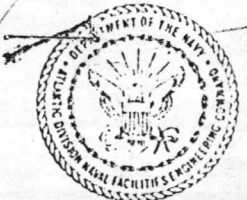
M. L. SPRUILL  
Head, Operations Branch  
Real Estate Division  
By direction of the Commander

Copy to:  
→ MARCORB CAMLEJ





PW0



DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

TELEPHONE NO.  
444-7131  
AUTOVON 690-7131  
IN REPLY REFER TO:

2032:JHB  
11010/MARCORB  
CAMLEJ  
8 APR 1977

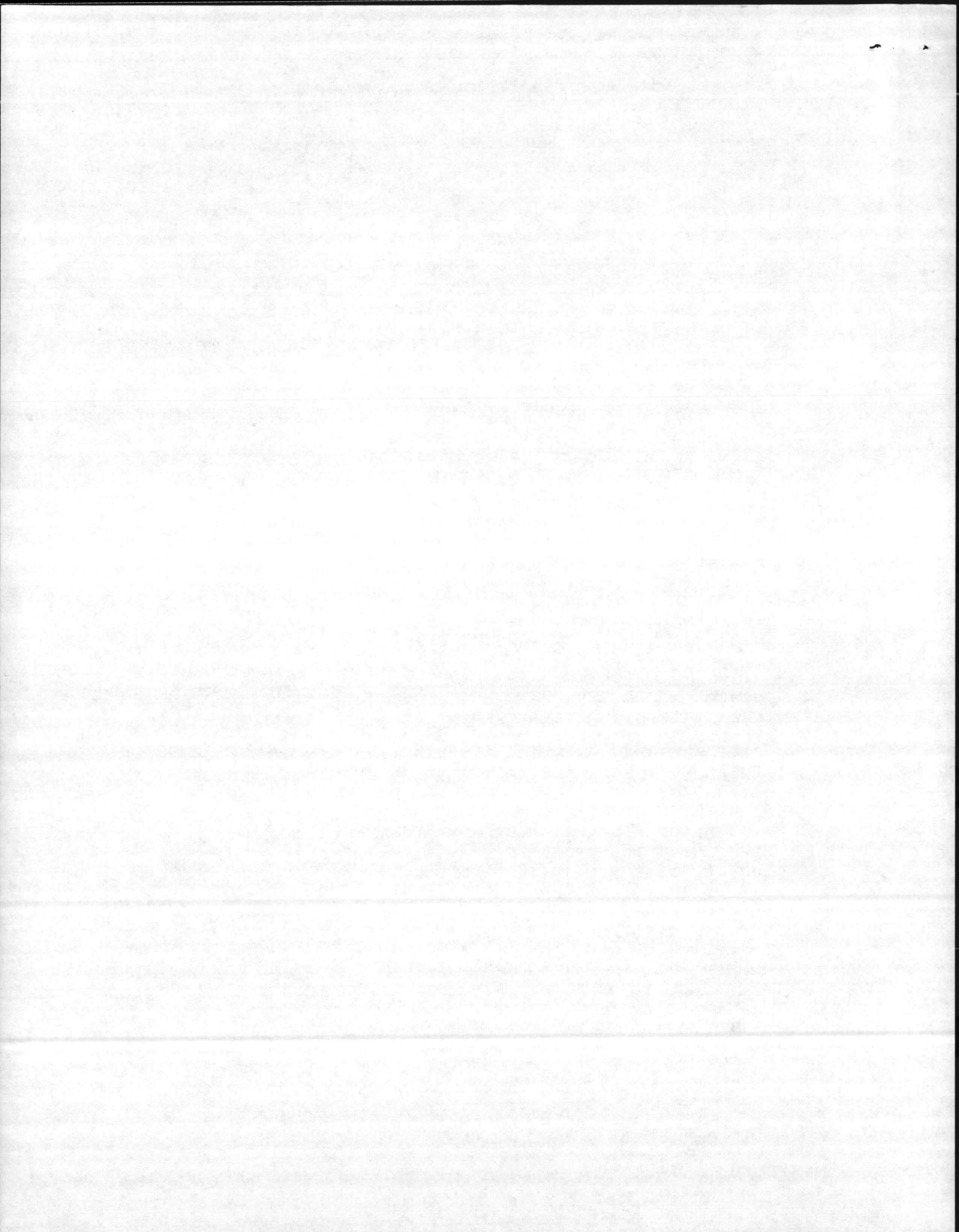
From: Commander, Atlantic Division, Naval Facilities  
Engineering Command  
To: Commanding General, Marine Corps Base, Camp Lejeune,  
North Carolina  
Subj: Proposed license to Onslow County for clearance of  
Drainage Outfalls  
Ref: (a) MARCORB CAMLEJ ltr PW0:CJP:dh of 15 Nov 1976

1. This Command has reviewed reference (a) and is in agreement with your recommendation that an easement, vice license, be issued when and if it is decided that the proposed modifications will be of mutual benefit to the private sector and Marine Corps Base, Camp Lejeune.

2. It is recommended that your proposed course of action be pursued, with the following modifications:

a. The engineering plan to be required of Onslow County should, in addition to those specific items mentioned in paragraph 3-b of reference (a), include sufficient preventive measures to preclude flooding of low areas along Wallace Creek as a result of increased flow. Flooding of low areas will increase mosquito breeding potential along Wallace Creek.

b. The requirement in paragraph 3-d that Onslow County "guarantee the bacteriological, biological, and chemical quality of the water delivered onto the base", may be difficult for Onslow County to meet and MARCORB CAMLEJ to enforce. A more reasonable approach would be to require Onslow County to provide evidence that conditions are suitable for proper operation of septic tanks, and to assume responsibility for sampling and pollution abatement as necessary, should the systems fail to operate properly. Additionally, the proposed easement should provide for installation and maintenance of trash racks on all culverts to prevent trash from entering the base.



2032:JHB

.11010/MARCORB CAMLEJ

8 APR 1977

c. The increased water flow and accompanying increased sediment load will probably have an impact on shellfish beds in the lower reaches of Wallace Creek and should be included, along with results of the above mentioned studies, in a revision to the previously submitted Environmental Impact Assessment.



N. D. FALK  
By direction

