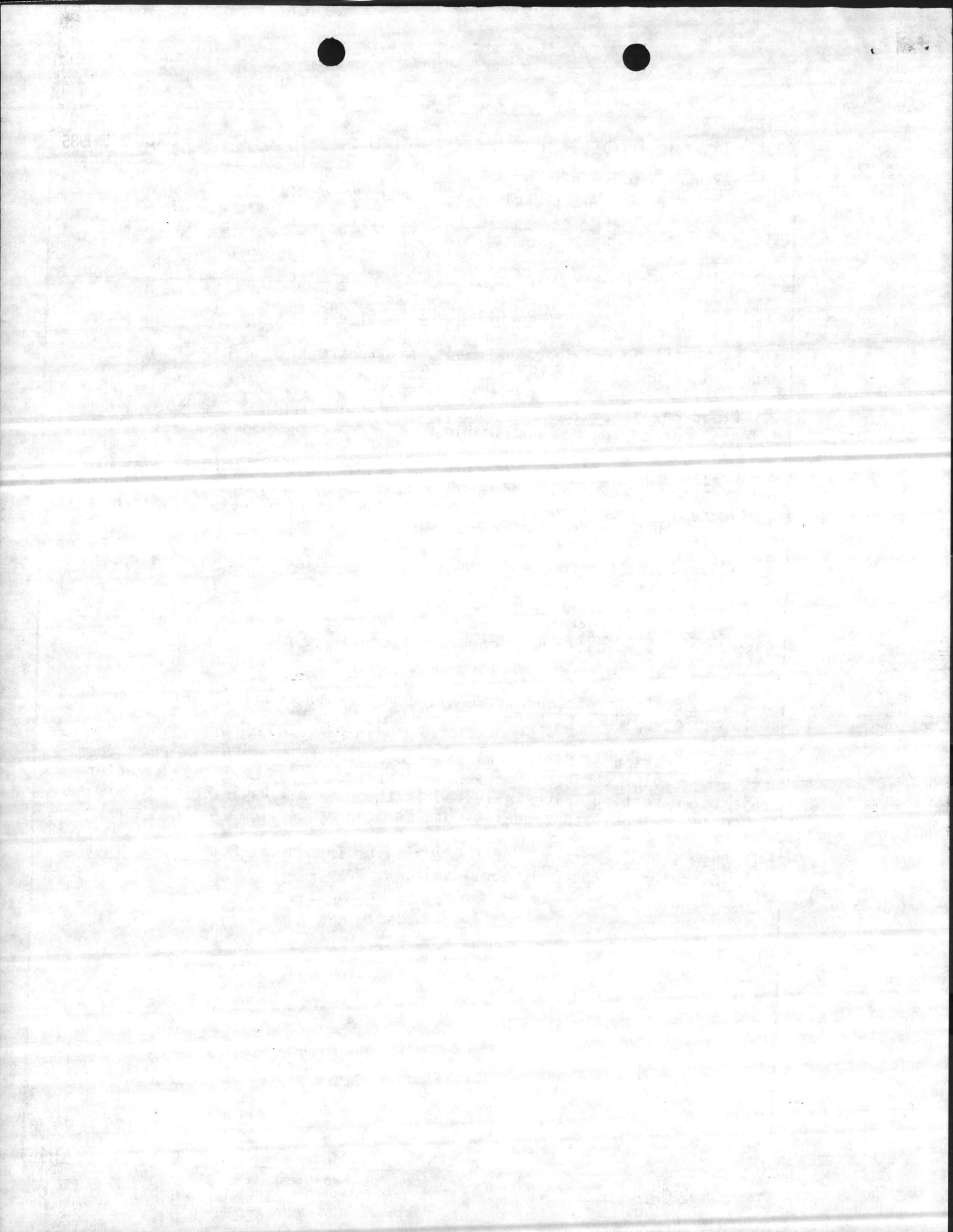


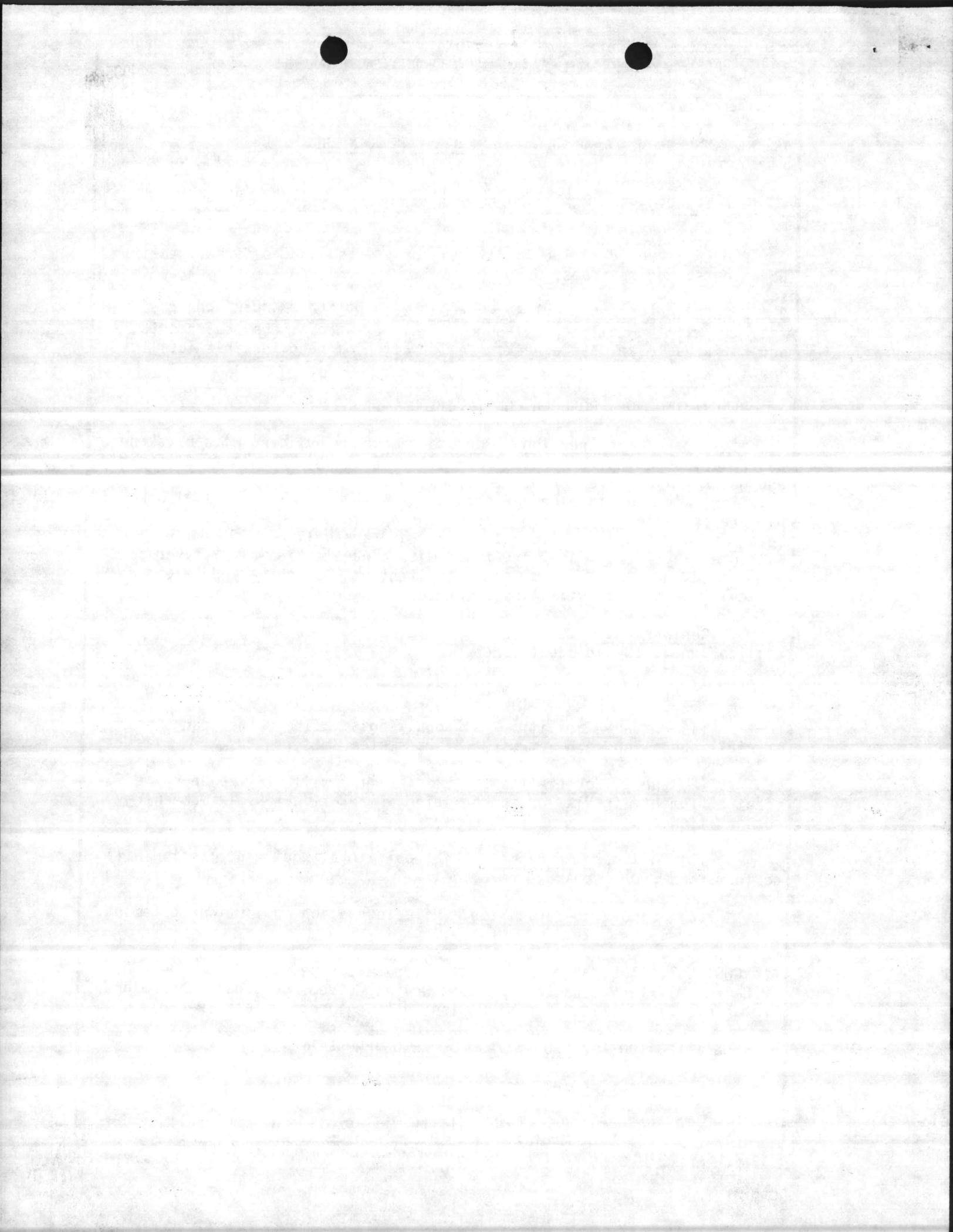
1. COMPONENT MARINE CORPS	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE AUG 29 1985
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866	

SPECIAL CONSIDERATIONS

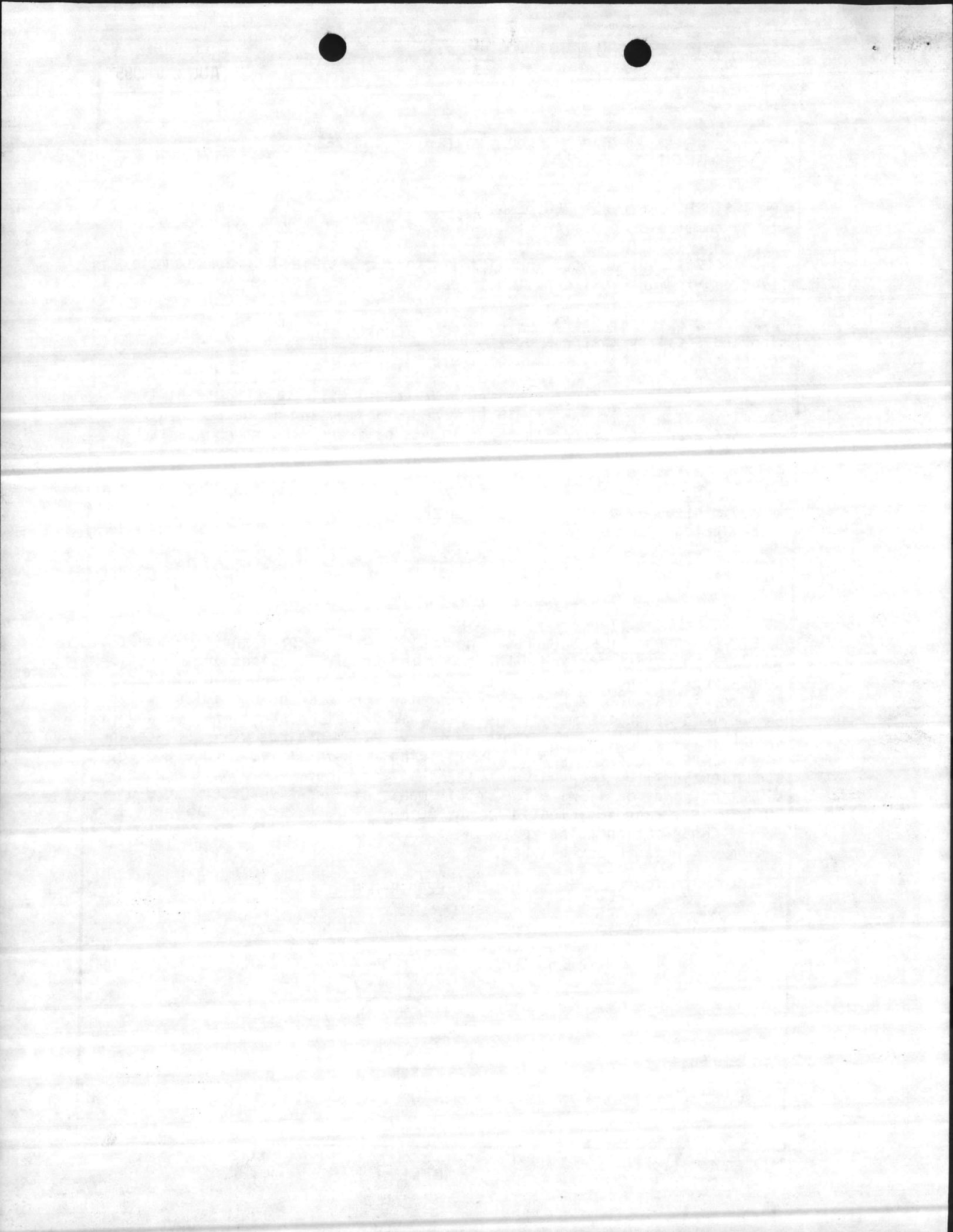
1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.
5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this project.
6. Use of Air Conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.
7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.



1. COMPONENT MARINE CORPS		FY 1990 MILITARY CONSTRUCTION PROJECT DATA		2. DATE AUG 29 1985	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542					
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS				5. PROJECT NUMBER P-866	
<u>FACILITY STUDY</u>					
1. <u>PROJECT</u> . Provides club facilities for commissioned officers, their dependents, and retirees.					
2. <u>CURRENT AND PLANNED FUTURE WORKLOAD WITH REGARD TO THIS PROJECT</u> . The facility will be utilized by approximately 3,743 officers, dependents, and retirees seven days a week. The duration of need for this facility is indefinite.					
3. <u>DESCRIPTION OF PROPOSED CONSTRUCTION</u>					
a. <u>Type of Construction</u> . One story masonry building with brick on a concrete foundation; concrete floor with carpeting, asphalt tile, ceramic and quarry tile; interior walls masonry plastered, built-up roof over insulation; air conditioning and steam heat with central plant. Also provided are areas to prepare food for dining and fast food; soft drinks, lounge area, bathrooms, storage areas, game area, TV room, swimming pool with dressing room. Paved courtyard with concrete sidewalks, paved parking, intrusion alarm system, security lighting, telephone and telephone switching equipment, utilities connected along with site improvements.					
b. <u>Replacement</u> . The existing Officers Club, Building 2615 will be utilized until this project is completed.					
c. <u>Description of Work to be Done</u>					
(1) <u>Primary Facility</u> . Air conditioning, fire protection system, special foundation, and intrusion alarm system.					
(2) <u>Energy Conservation</u> . This facility will utilize energy efficient equipment, insulation and building orientation for maximum energy conservation.					
(3) <u>Collateral Equipment</u> . The collateral equipment listing will be forwarded under separate cover.					
(4) <u>Supporting Facilities</u> . Pile foundation, pollution abatement, site improvements, etc.					
4. <u>COST ESTIMATES</u> . Area cost factor for Camp Lejeune, NC is 0.86, DOD 4270-1-G, Military Construction Cost Review Guide. Cost data determined from historical military construction cost engineering data (P-438).					
5. <u>JUSTIFICATION FOR PROJECT AND SCOPE OF PROJECT</u>					
a. <u>Justification for Project</u>					
(1) <u>Project</u> . Proposed facility will provide a club facility for					



1. COMPONENT MARINE CORPS	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE AUG 29 1985
3. INSTALLATION AND LOCATION MARINE CORPS BASE, - CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866	
<p>use by commissioned officers, their dependents, and retirees.</p> <p>(2) <u>Requirement.</u> The facility will be utilized by approximately 3,743 commissioned officers, their dependents, and retirees.</p> <p>(3) <u>Current Situation.</u> Authorized personnel use an existing sub-standard facility that was built in 1942 and is inadequate with respect to capacity and configuration of the building.</p> <p>(4) <u>Impact if not Provided.</u> Personnel will continue to utilize a facility which is inadequate in size and quality, and is detrimental to the morale and welfare of the active duty officers, their dependents, and retirees.</p> <p>b. <u>Justification of Scope of Project.</u> The project scope of 42,500 SF is the minimum size facility that can meet the deficiency requirement for space, Category Code 740-60.</p> <p>6. <u>EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.</u> Not applicable.</p> <p>7. <u>COMMON SUPPORT FACILITIES.</u> Not applicable.</p> <p>8. <u>EFFECT ON OTHER RESOURCES.</u> The project will require additional dollars per year in increased O&MMC funds for utility services and operations. A one-line drawing will be formulated at a later date and an estimated cost for increased O&MMC funds for utility services and operations will be provided at that time. It is anticipated that no additional personnel will be required to operate this facility. This project will enhance and improve the morale for personnel utilizing this facility. Proposed construction shall be responsive to the challenges, presented by the energy situation, and comply with the requirements of Executive Order 12003 of 20 July 1977, and implemented by NAVFACINST 4100.5A: Design Criteria for Energy Conservation. The following outline will be utilized once the design criteria is established.</p>		
<p><u>UTILITY REQUIREMENTS</u></p> <p>a. <u>Electricity:</u> Consumption _____ KW Peak Demand _____ KW Average Demand _____ KW</p> <p>b. <u>Steam:</u> Consumption _____ Lbs/yr Demand _____ Lbs/yr</p> <p>c. <u>Coal:</u> _____ tons/yr</p> <p>d. Adequate utility requirements are available.</p>		

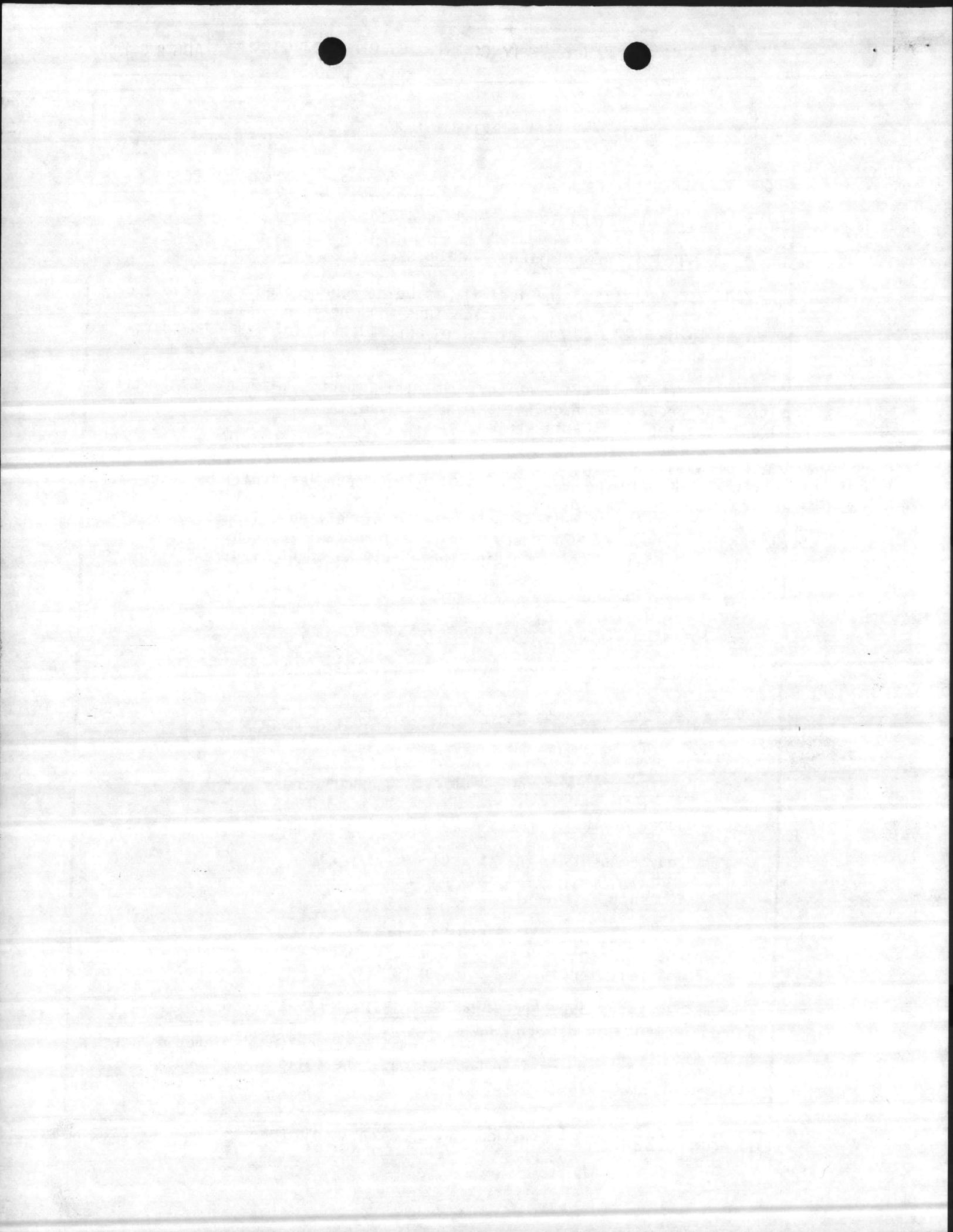


3. INSTALLATION AND LOCATION
MARINE CORPS BASE, -CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866
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9. SITING OF THE PROJECT. See enclosure (1).
10. OTHER GRAPHIC PRESENTATIONS, INCLUDING PHOTOGRAPHS. None.
11. ECONOMIC ANALYSIS. The facility is being constructed in a developed area of the Base and the economic savings will be in nominal energy consumption to be realized from efficient operations. This is a Nonappropriated Fund Project.
12. ENVIRONMENTAL IMPACT. An Environmental Impact Assessment (EIA) will be written and processed through the local EIA Review Board. No adverse environmental impact is anticipated.
13. QUANTITATIVE DATA. NAVFAC P-80 states that the space allowance for Category Code 740-60, Commissioned Officers Open Mess, shall be based on officer population. The officer population consists of active duty officers plus 50% of officers' spouses and 50% of retired officers supported by the installation. The space allowance for 3,743 personnel allows 42,500 gross square feet according to 740-60A as identified in NAVFAC P-80.
- a. Unit of Measure. Square Feet.
 - b. Total Requirement. 42,500 Square Feet.
 - c. Existing Substandard. 43,611 Square Feet.
 - d. Existing Inadequate. 0 Square Feet.
 - e. Existing Adequate. 0 Square Feet.
 - f. Other Assets, Not in Inventory. 0 Square Feet.
 - g. Funded not in Inventory: 0 Square Feet.
 - h. Adequate Assets. (e + f + g) 0 Square Feet.
 - i. Deficiency. (b - h)
- | | | |
|-------------------|---|--------------------|
| Total Requirement | = | 42,500 Square Feet |
| Adequate Assets | = | 0 Square Feet |
| Total Deficiency | = | 42,500 Square Feet |

15. MORALE, WELFARE AND RECREATION FACILITIES. NAVFAC P-80 indicates that the requirement for Category Code 740-60, Commissioned Officers Open Mess, is determined by a space allowance format based on Commissioned officers, their dependents, and retiree population. The following allowance is based on the FSR dated February 1985:



1. COMPONENT MARINE CORPS	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE AUG 29 1985
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866
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SUMMARY OF BASE LOADING DATA

OFFICERS

Permanent Personnel	=	518
Student Personnel	=	197
Supported Personnel	=	<u>1,988</u>
 Total		 2,703

From USMC Marital & Dependency Status of Camp Lejeune of 30 June 1983:
70.24% of officers are married.

Using the above average and projecting it into the February 85 FSR, the following computation applies: 2506 active duty officers X 0.7024 = 1,760 Officers' spouses.

NAVFAC P-80, Table 740-60A, defines Officer population as the number of active duty officers plus 50% of officers' spouses and 50% of retired officers.

The number of retired officers residing in the Camp Lejeune area is not available, however, current membership records for Camp Lejeune's Commissioned Officers Club indicates 160 (retiree) members.

Therefore: 2703 officers + (1760 officers' spouses X 50%) + 160 retirees = 2,703 + 880 + 160 = 3,743 officer population.

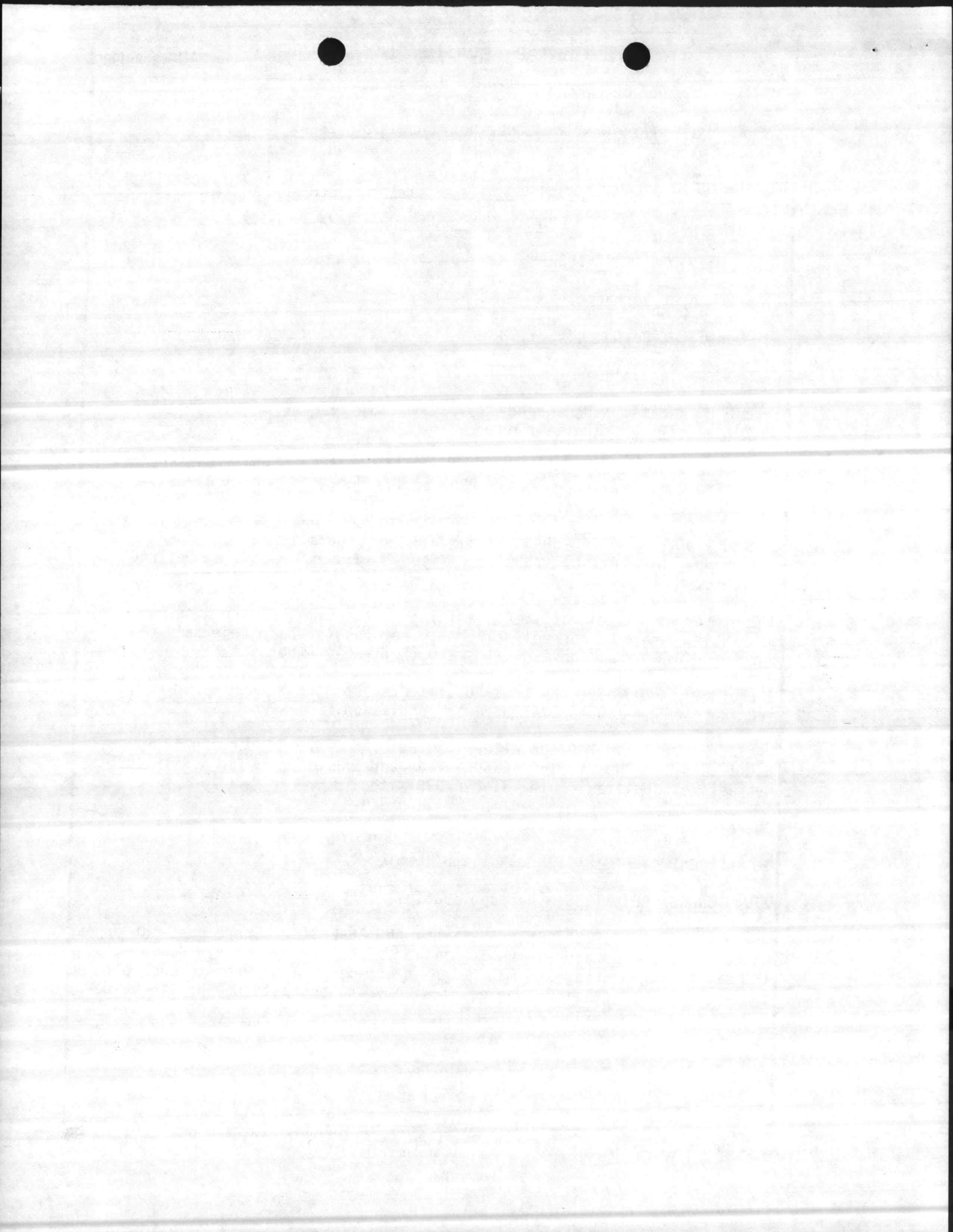
NAVFAC P-80, Table 740-60A allows 42,500 SF for an officer population of 3,001 to 4,000 PN. Table 740-60B gives an EAF of 1.00 for a distance to nearest metropolitan center of over 30 miles.

Therefore: 42,500 SF X 1.00 = 42,500 SF.

16. RELOCATION FACILITIES. Not applicable.

17. STORAGE FACILITIES. Not applicable.

18. HAZARDS IDENTIFICATION, ASSESSMENT AND ANALYSIS. There does not appear to be any known hazards to be identified with this facility. However, system safety engineering and management programs will be used to ensure that the highest possible degree of safety and occupational health is designed into this facility.



COST ESTIMATE

DATE PREPARED

SHEET 1 OF 2

ACTIVITY AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

P-866

ESTIMATED BY

W. L. BRANT

CATEGORY CODE NUMBER

740-60

PROJECT TITLE

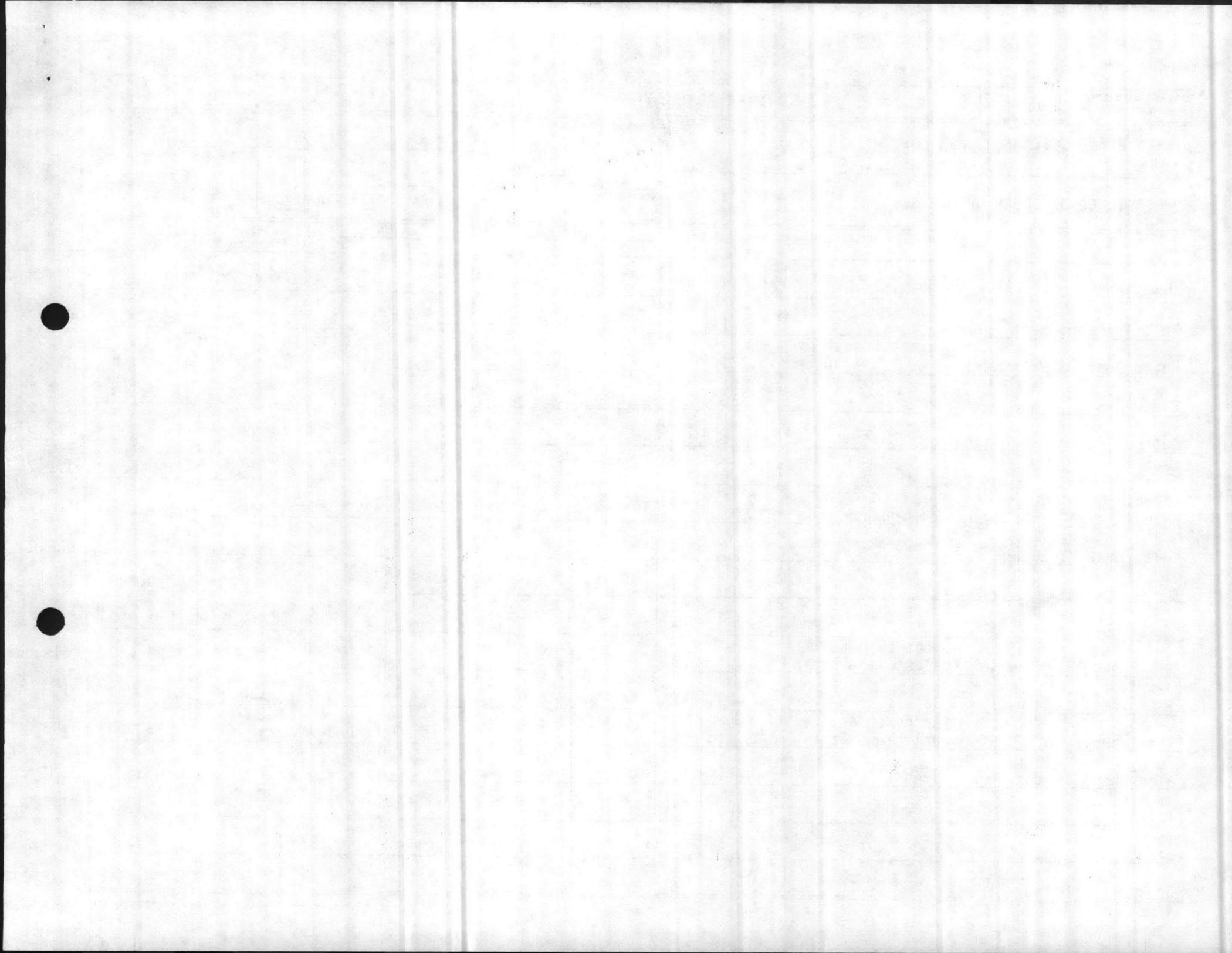
COMMISSIONED OFFICERS OPEN MESS

STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE		Esc to FY90 Multi 1.20
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
COMMISSIONED OFFICERS MESS OPEN	42,500	SF					93.02	3,953,350	4,744,020
Built-in Equipment	1	LS						500,000	600,000
(Aggregate Base, Pav- Paved Roads & Parking ing, Curbs, & gutters)	3,775	SY					23.90	90,222	108,266
Sidewalks	350	SY					21.80	7,630	9,156
Outdoor Assent Lighting	1	LS						10,000	12,000
Paved Courtyard (quarry or brick)	22,500	SF					4.25	95,625	114,750
Indoor Swimming & Wading Pools (NAVFAC P-80, w/auto. cntrls, filter, pumps)	23,000	SF					98.84	2,273,320	2,727,984
Collateral Equipment	1	LS						350,000	420,000
Water Distribution	500	LF					38.60	19,300	23,160
Sanitary Sewer	500	LF					27.80	13,900	680
(Approx 50 BHP w/ Oil Fired Steam Boiler fuel stor. & piping)	1	LS					95,000	95,000	114,000
Electrical Distribution & Service	600	LF					150.00	90,000	108,000
(Approx 8 ac) Site Improvements & Storm Drainage	1	LS						85,000	102,000
Telephone & Switching Equipment	1	LS						3,500	4,200
Fire Alarm	1	LS						5,000	6,000
Intrusion Detection System	1	LS						5,500	6,600
Security Lighting	1	LS						15,000	18,000



COST ESTIMATE

DATE PREPARED

SHEET 2 OF 2

ACTIVITY AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

P-866

ESTIMATED BY

W. L. BRANT

CATEGORY CODE NUMBER

740-60

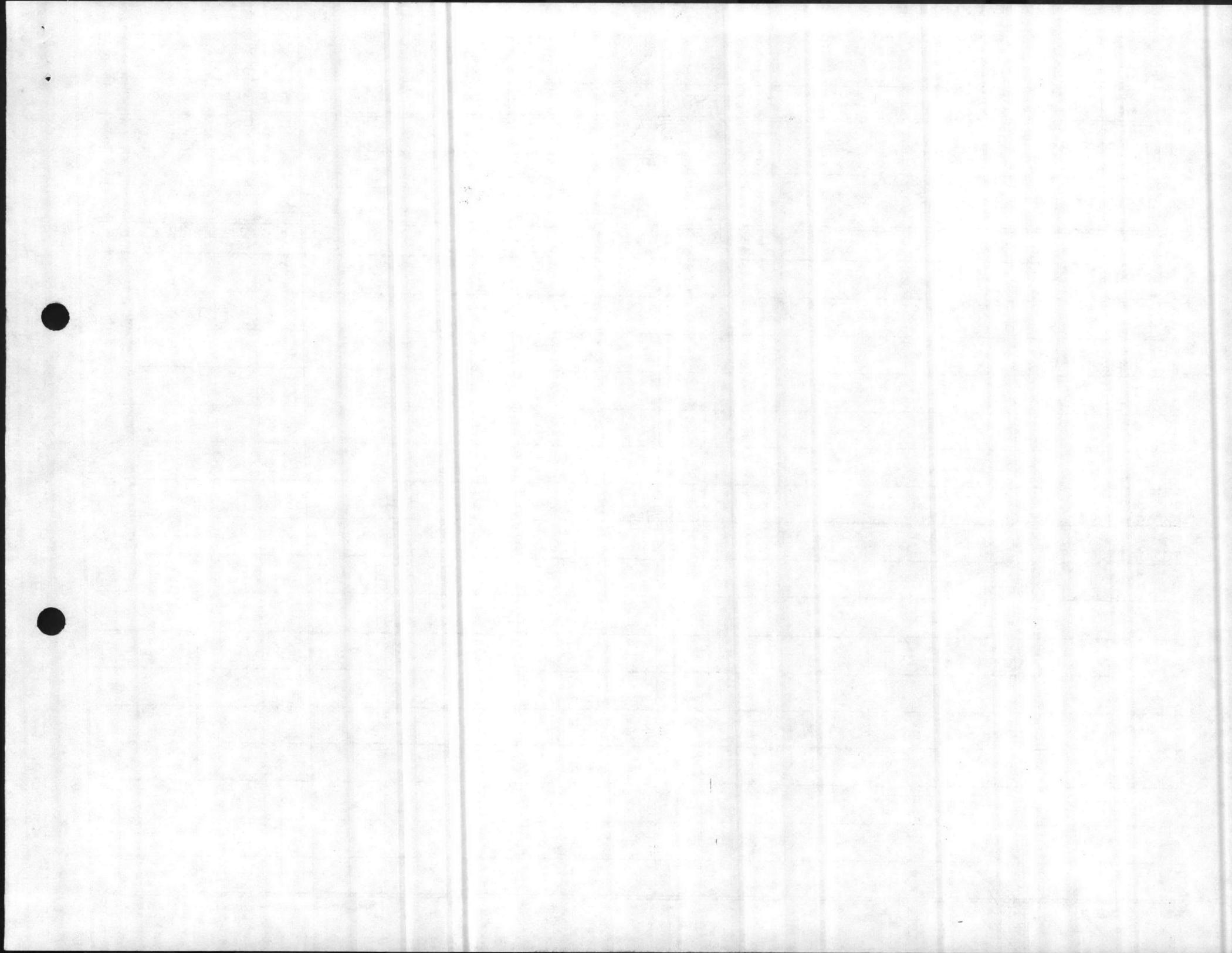
PROJECT TITLE
COMMISSIONED OFFICERS OPEN MESS

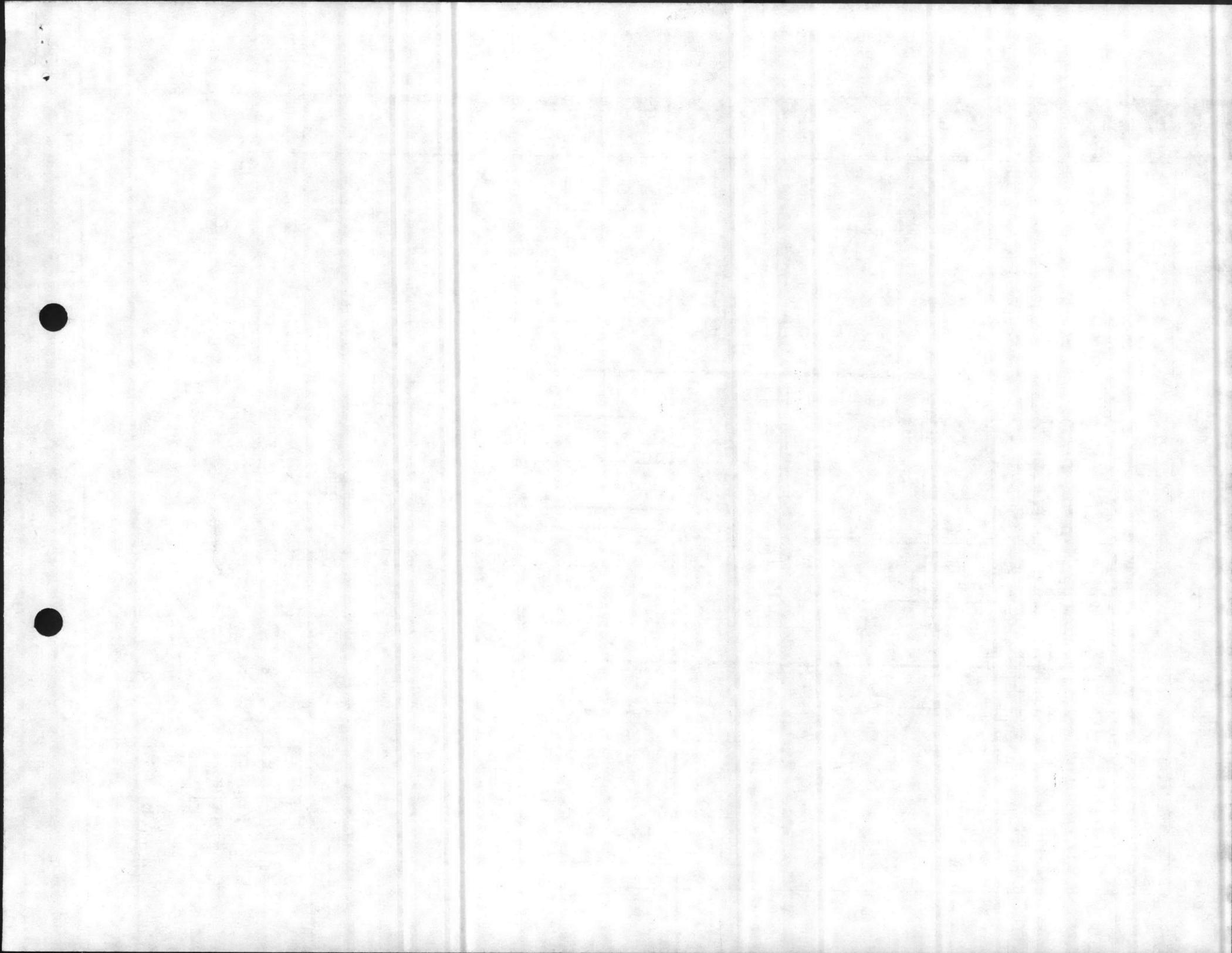
STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE		Esc to FY90 Multi 1.20
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
(fencing, lighting, & toilet included) Relocate Existing Tennis Courts	10	EA					10,000	100,000	120,000
SUBTOTAL								9,254,800	
CONTINGENCY - 5%								462,740	
TOTAL CONTRACT COST								9,717,556	
S. I. O. H. - 5.5%								534,465	
SUBTOTAL								10,252,021	
DESIGN COST (6%)								615,121	
TOTAL REQUEST								10,867,142	
TOTAL REQUEST ROUNDED								10,900,000	





DATE PREPARED: _____

prb

FROM: Commanding General, Marine Corps Base, Camp Lejeune, NC 28542

TO: COMMANDANT OF THE MARINE CORPS (CODE LFF)

NOMENCLATURE	CATEGORY CODE	UNIT OF MEASURE
COMMISSIONED OFFICERS MESS OPEN	740-60	SF

DETERMINATION OF REQUIREMENTS: (If additional space is needed, use plain sheet of paper)

SPECIFIC AREA
Basewide misc.

- BASIS:
1. FSR of Feb 1985
 2. USMC Marital & Dependency Status f/Camp Lejeune of 30 June 1983
 3. Current Commissioned Officers Club's Membership Records

From MCB Camp Lejeune FSR of Feb 1985:

"Summary of Base Loading Data," MCB Camp Lejeune NC:

	<u>Officers</u>
Permanent Personnel	518
Student Personnel	197
Supported Personnel	<u>1,988</u>
Total	2,703

TOTAL REQUIREMENT FOR CATEGORY CODE

42,500 SF

MOBILIZATION STATEMENT

SIGNATURE: R. A. TIEBOUT
By direction

CMC REVIEW ACTION

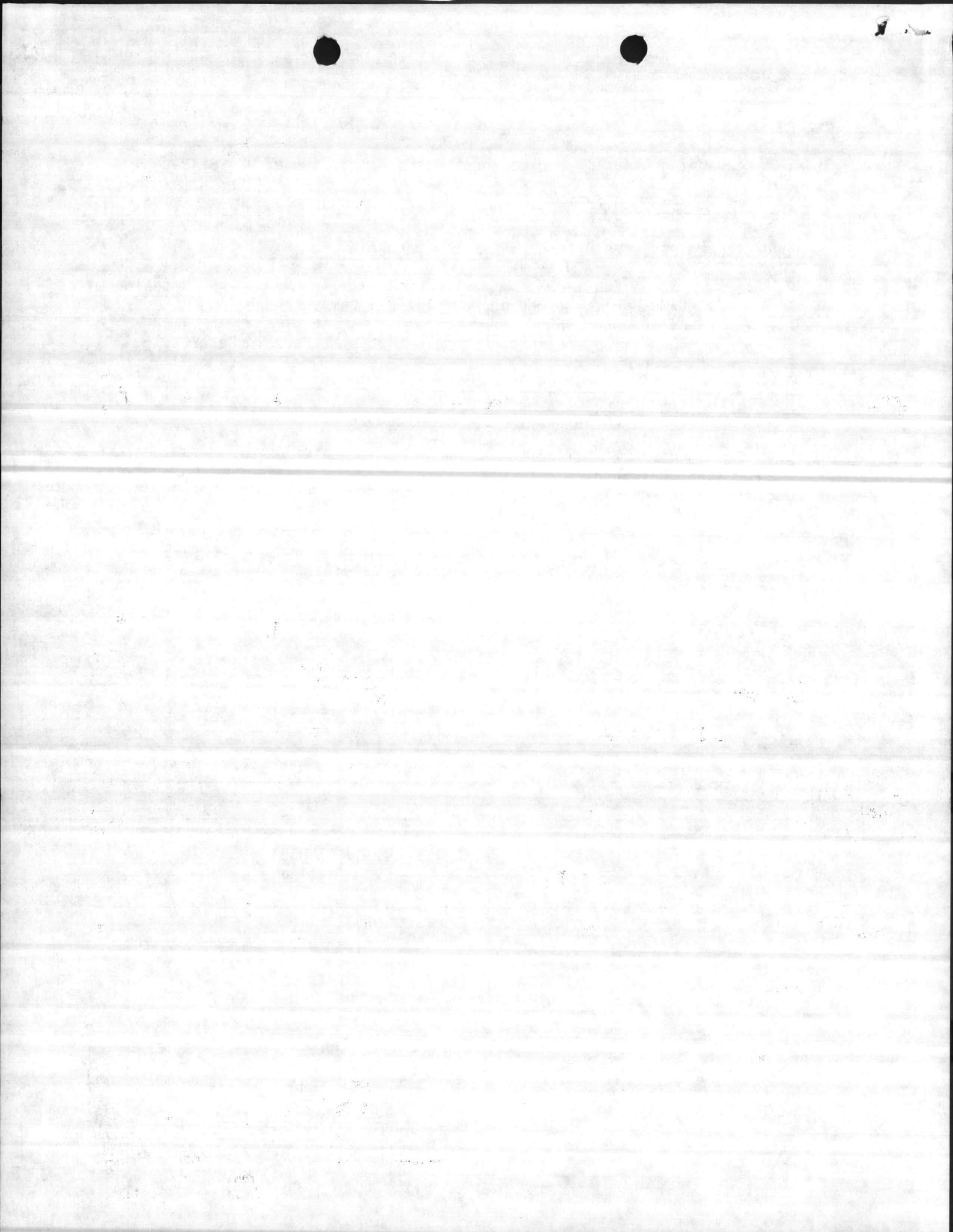
EVALUATION:

DATE

ESTABLISHED REQUIREMENT

*07/11/88
K. S. Tiebout
Signed
7 Nov 88*

SIGNATURE: _____



Marine Corps Base
Camp Lejeune, NC 28542
Cat Code 740-60

From USMC Marital & Dependency Status f/Camp Lejeune of 30 June 1983

70.24% of officers are married.

Using the above average and projecting it into the Feb 1985 FSR, the following computation applies:

2506 active duty officers X 0.7024 = 1760 officers' spouses

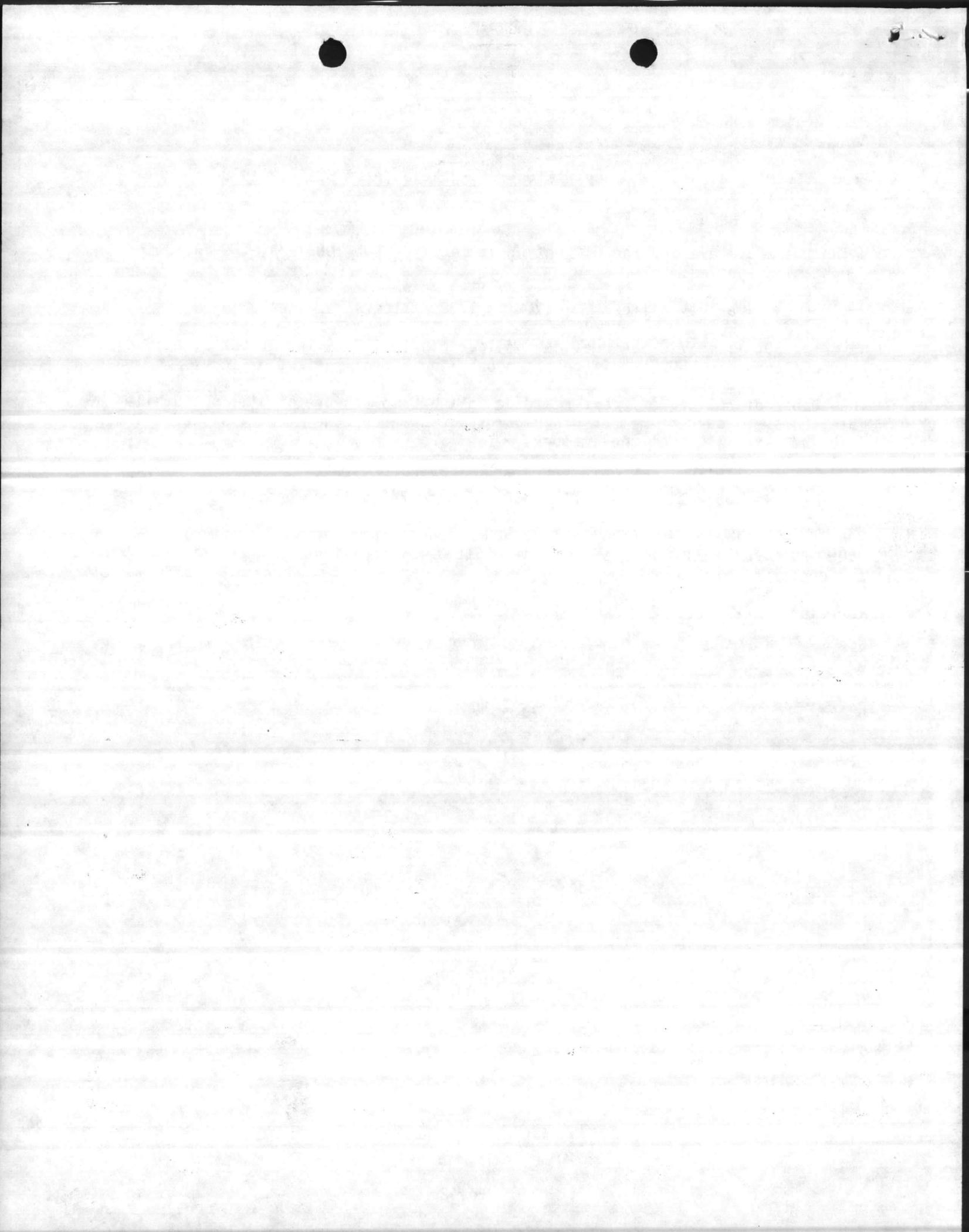
NAVFAC P-80, Table 740-60A, defines officer population as the number of active duty officers plus 50% of officers' spouses and 50% of retired officers.

The number of retired officers residing in the Camp Lejeune area is not available, however, current membership records for Camp Lejeune's Commissioned Officer's Club indicates 160 (retiree) members.

Therefore: 2703 officers + (1760 officers' spouses X 50%)
+ 160 retirees = 2703 + 880 + 160 = 3743 officer population.

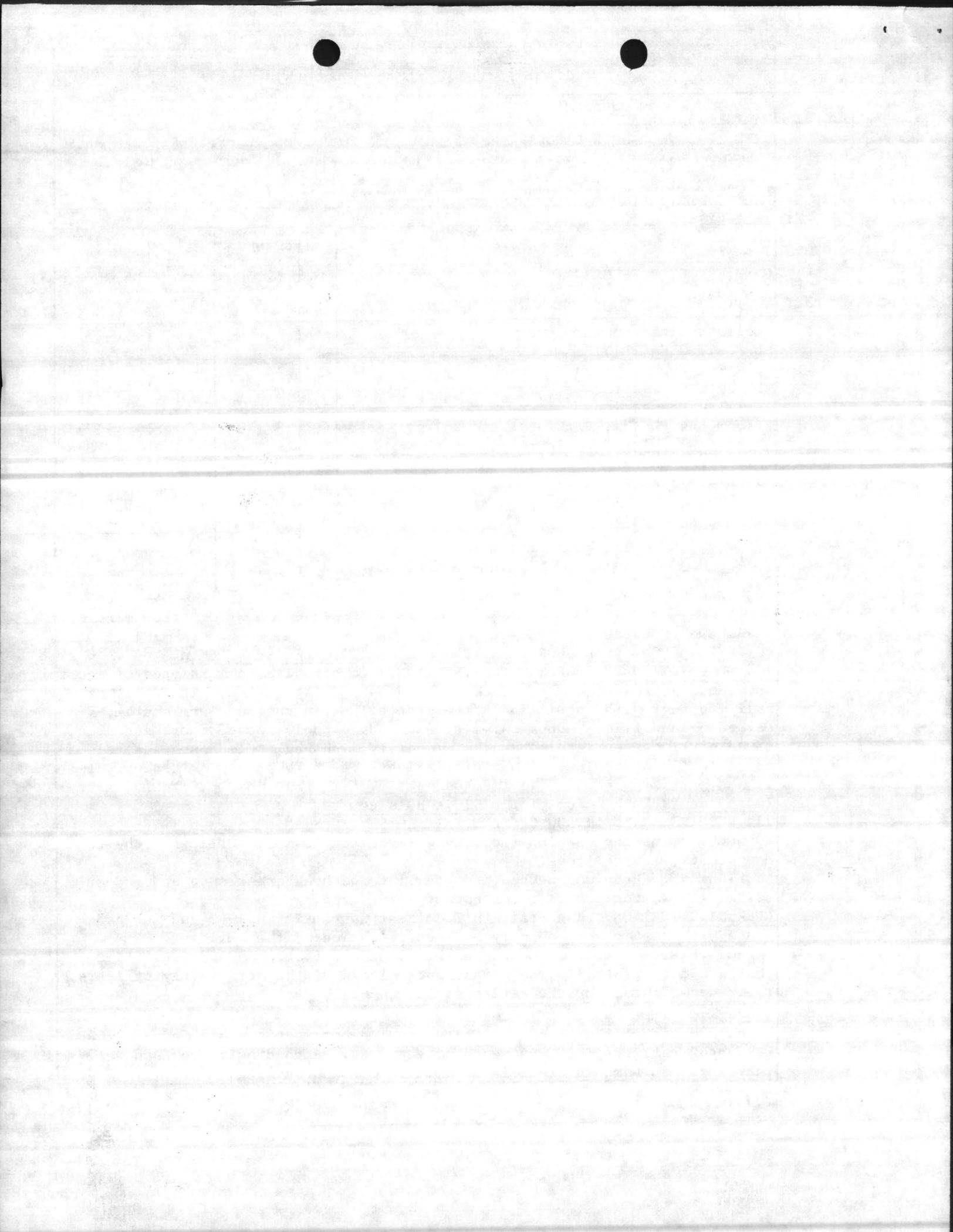
NAVFAC P-80, Table 740-60A allows 42,500 SF for an officer population of 3,001 to 4,000 PN. Table 740-60B gives an EAF of 1.00 for a distance to nearest Metropolitan center of over 30 miles.

Therefore: 42,500 SF X 1.00 = 42,500 SF.



NON-APPROPRIATED FUNDS

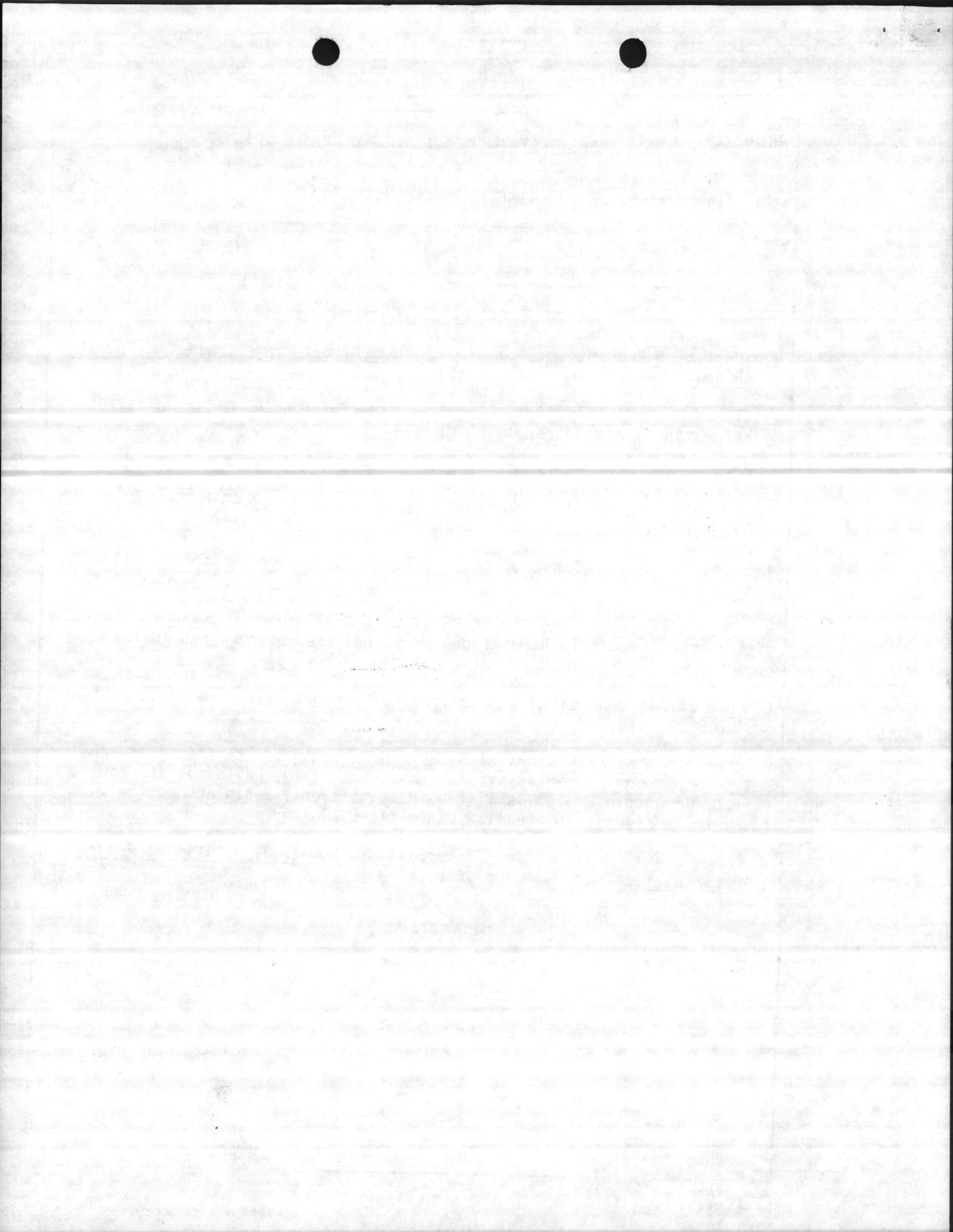
1. COMPONENT MARINE CORPS	FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA	2. DATE		
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542		4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS		
5. PROGRAM ELEMENT	6. CATEGORY CODE 740-60	7. PROJECT NUMBER P-866		
		8. PROJECT COST (\$000) 10,900		
Escalated to FY90				
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMMISSIONED OFFICERS MESS	SF	42,500	125.74	5,764
Building	SF	42,500	111.63	(4,744)
Built-in Equipment	LS			(600)
Collateral Equipment	LS			(420)
SUPPORTING FACILITIES	LS			3,491
Special Construction Features	LS			(180)
Site Improvements	LS			(102)
Utility Connections	LS			(150)
Pavements (Roads, Parking & Sidewalks)	LS			(117)
Indoor Swimming & Wading Pools	LS			(2,728)
Oil Fired Boiler	LS			(114)
Relocate Tennis Courts	LS			(100)
SUBTOTAL				9,255
CONTINGENCY (5%)				462
TOTAL CONTRACT COST				9,717
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				535
SUBTOTAL				10,252
DESIGN COST (6%)				615
TOTAL COST				10,867
TOTAL COST ROUNDED				10,900
EQUIPMENT FROM OTHER APPROPRIATIONS			(Non-Add)	0
10. DESCRIPTION OF PROPOSED CONSTRUCTION. Construct a Commissioned Officers Open Mess of reinforced concrete with masonry construction, air conditioning built-up roof with insulation, fire protection, intrusion alarm system, carpeting and tile, indoor swimming and wading pools, paved courtyard area, paved parking, concrete sidewalks, security lighting, telephones and telephone switching equipment, administrative area, barber shop, kitchen facilities, all supporting utilities connected, oil fired boiler (steam), site improvements, and relocation of 10 tennis courts.				
11. REQUIREMENTS: *41,500 SF ADEQUATE: 0 SF SUBSTANDARD: 43,611 SF PROJECT. Construct a club facility for the Commissioned Officers, their dependents, and retirees.				
REQUIREMENT. Provide an open mess facility with a barber shop and indoor swimming & wading pools in the Hadnot Point area.				
CURRENT SITUATION. The Officers Open Mess was built in 1942 and is inadequate with respect to capacity and configuration of the building.				
IMPACT IF NOT PROVIDED. Continued utilization of substandard facilities that are detrimental to the morale and welfare of the active duty officers, their dependents, and the retirees.				
*The latest certified basic facility requirement for Category Code 740-60 no longer reflects the true needs of the Base. Accordingly, revised basic facility requirements are being submitted for approval.				



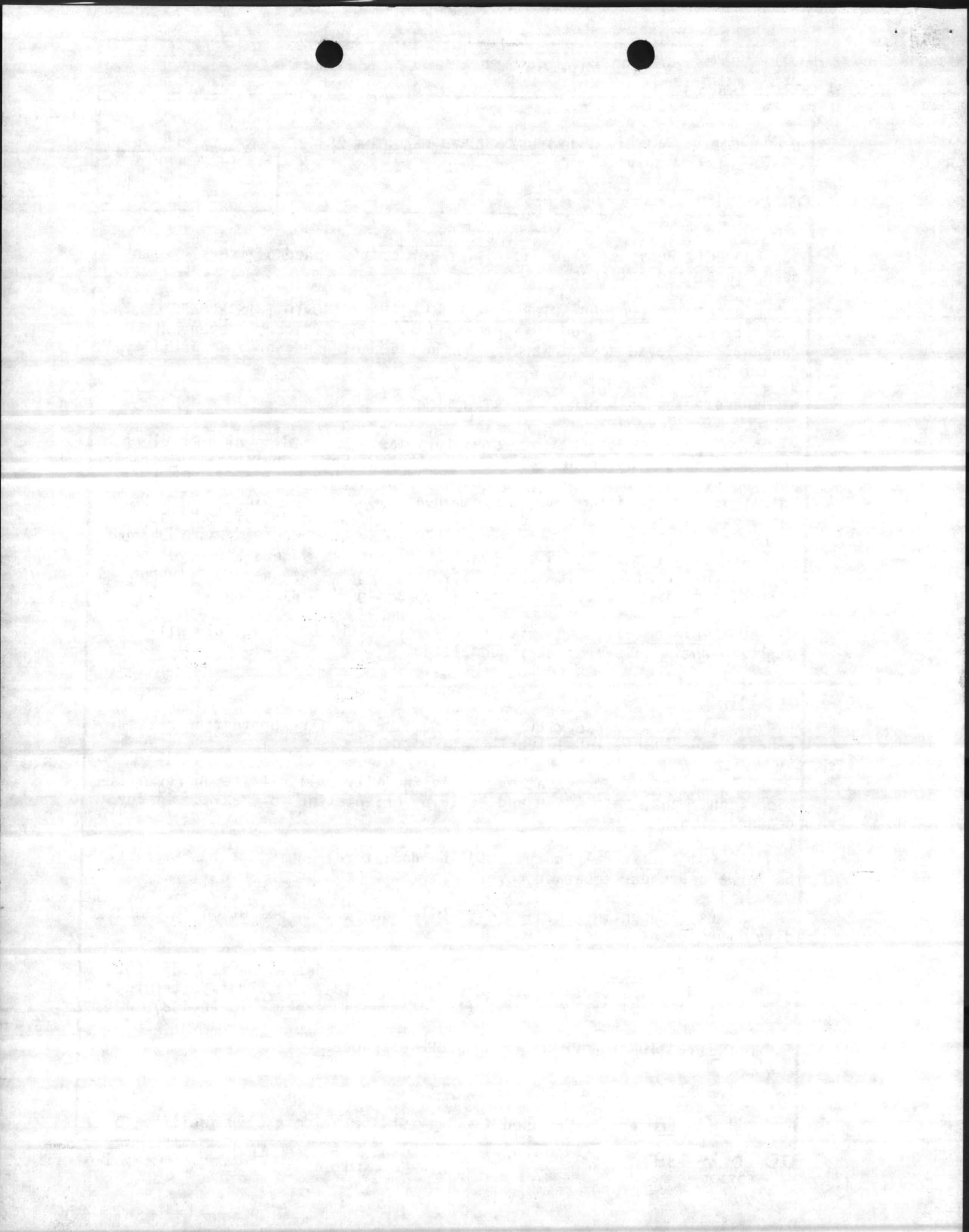
1. COMPONENT MARINE CORPS	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866	

SPECIAL CONSIDERATIONS

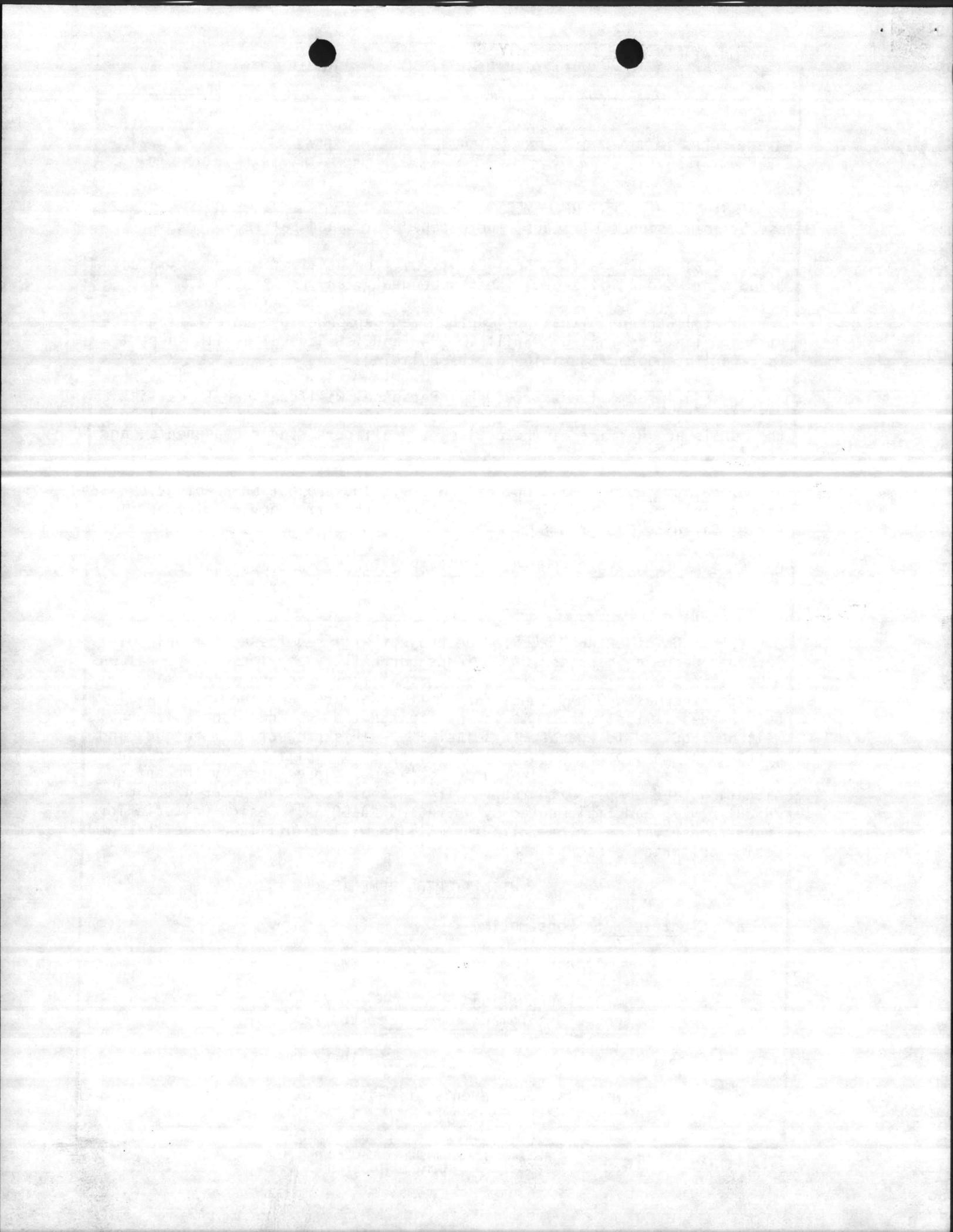
1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.
5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this project.
6. Use of Air Conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.
7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.



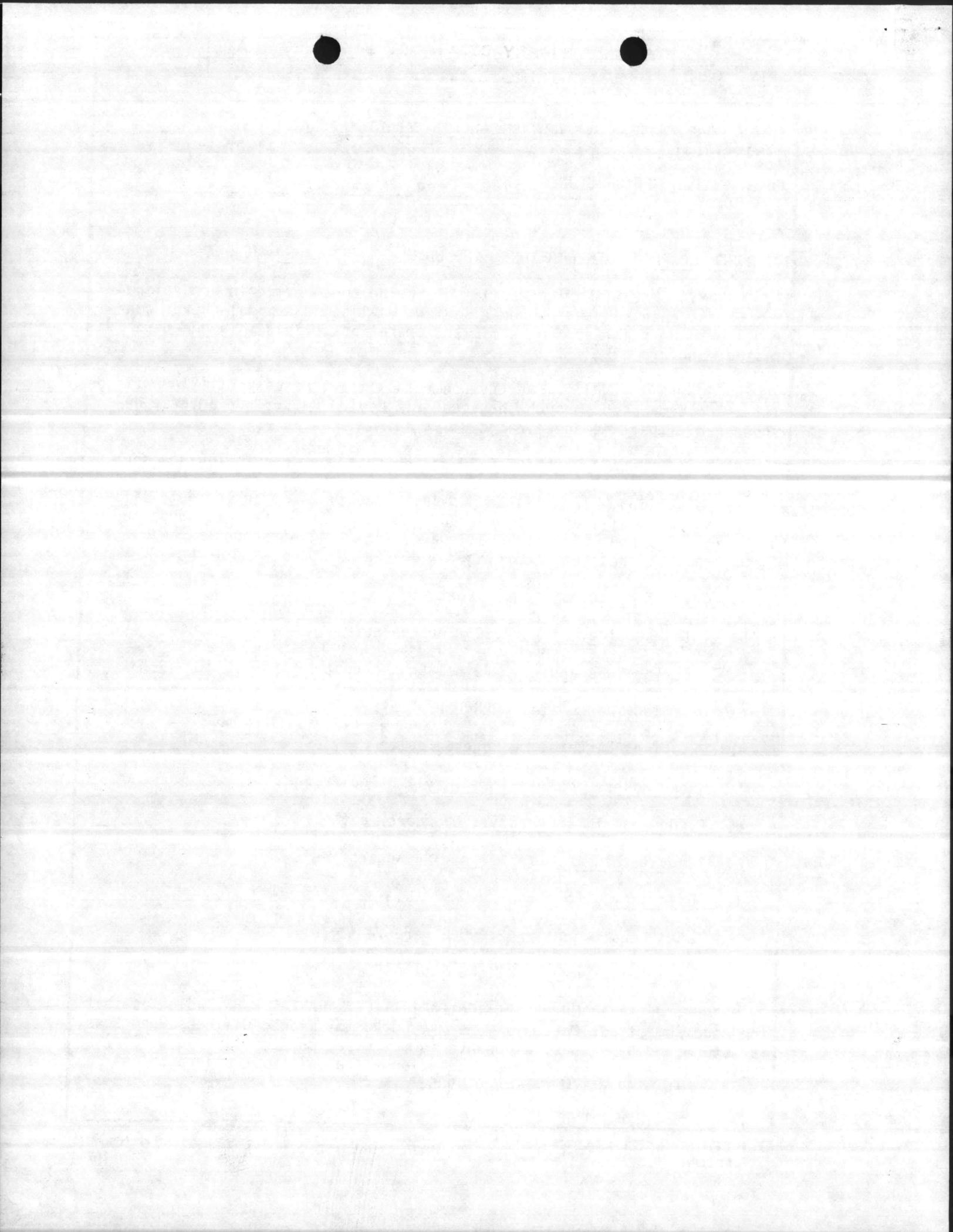
1. COMPONENT MARINE CORPS	2. DATE
FY 1990 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE COMMISSIONED OFFICERS-OPEN MESS	5. PROJECT NUMBER P-866
<p style="text-align: center;"><u>FACILITY STUDY</u></p> <p>1. <u>PROJECT.</u> Provides club facilities for commissioned officers, their dependents, and retirees.</p> <p>2. <u>CURRENT AND PLANNED FUTURE WORKLOAD WITH REGARD TO THIS PROJECT.</u> The facility will be utilized by approximately 3,743 officers, dependents, and retirees seven days a week. The duration of need for this facility is indefinite.</p> <p>3. <u>DESCRIPTION OF PROPOSED CONSTRUCTION</u></p> <p>a. <u>Type of Construction.</u> One story masonry building with brick on a concrete foundation; concrete floor with carpeting, asphalt tile, ceramic and quarry tile; interior walls masonry plastered, built-up roof over insulation; air conditioning and steam heat with central plant. Also provided are areas to prepare food for dining and fast food; soft drinks, lounge area, bathrooms, storage areas, game area, TV room, swimming pool with dressing room. Paved courtyard with concrete sidewalks, paved parking, intrusion alarm system, security lighting, telephone and telephone switching equipment, utilities connected along with site improvements.</p> <p>b. <u>Replacement.</u> The existing Officers Club, Building 2615 will be utilized until this project is completed.</p> <p>c. <u>Description of Work to be Done</u></p> <p>(1) <u>Primary Facility.</u> Air conditioning, fire protection system, special foundation, and intrusion alarm system.</p> <p>(2) <u>Energy Conservation.</u> This facility will utilize energy efficient equipment, insulation and building orientation for maximum energy conservation.</p> <p>(3) <u>Collateral Equipment.</u> The collateral equipment listing will be forwarded under separate cover.</p> <p>(4) <u>Supporting Facilities.</u> Pile foundation, pollution abatement, site improvements, etc.</p> <p>4. <u>COST ESTIMATES.</u> Area cost factor for Camp Lejeune, NC is 0.86, DOD 4270-1-G, Military Construction Cost Review Guide. Cost data determined from historical military construction cost engineering data (P-438).</p> <p>5. <u>JUSTIFICATION FOR PROJECT AND SCOPE OF PROJECT</u></p> <p>a. <u>Justification for Project</u></p> <p>(1) <u>Project.</u> Proposed facility will provide a club facility for</p>	



1. COMPONENT MARINE CORPS	2. DATE
FY 1990 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, -CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866
<p>use by commissioned officers, their dependents, and retirees.</p> <p>(2) <u>Requirement.</u> The facility will be utilized by approximately 3,743 commissioned officers, their dependents, and retirees.</p> <p>(3) <u>Current Situation.</u> Authorized personnel use an existing sub-standard facility that was built in 1942 and is inadequate with respect to capacity and configuration of the building.</p> <p>(4) <u>Impact if not Provided.</u> Personnel will continue to utilize a facility which is inadequate in size and quality, and is detrimental to the morale and welfare of the active duty officers, their dependents, and retirees.</p> <p>b. <u>Justification of Scope of Project.</u> The project scope of 42,500 SF is the minimum size facility that can meet the deficiency requirement for space, Category Code 740-60.</p> <p>6. <u>EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS.</u> Not applicable.</p> <p>7. <u>COMMON SUPPORT FACILITIES.</u> Not applicable.</p> <p>8. <u>EFFECT ON OTHER RESOURCES.</u> The project will require additional dollars per year in increased O&MMC funds for utility services and operations. A one-line drawing will be formulated at a later date and an estimated cost for increased O&MMC funds for utility services and operations will be provided at that time. It is anticipated that no additional personnel will be required to operate this facility. This project will enhance and improve the morale for personnel utilizing this facility. Proposed construction shall be responsive to the challenges, presented by the energy situation, and comply with the requirements of Executive Order 12003 of 20 July 1977, and implemented by NAVFACINST 4100.5A: Design Criteria for Energy Conservation. The following outline will be utilized once the design criteria is established.</p>	
<u>UTILITY REQUIREMENTS</u>	
a. <u>Electricity:</u>	Consumption _____ KW Peak Demand _____ KW Average Demand _____ KW
b. <u>Steam:</u>	Consumption _____ Lbs/yr Demand _____ Lbs/yr
c. <u>Coal:</u>	_____ tons/yr
d. Adequate utility requirements are available.	



1. COMPONENT MARINE CORPS	2. DATE
FY 90 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS	5. PROJECT NUMBER P-866
9. <u>SITING OF THE PROJECT.</u> See enclosure (1).	
10. <u>OTHER GRAPHIC PRESENTATIONS, INCLUDING PHOTOGRAPHS.</u> None.	
11. <u>ECONOMIC ANALYSIS.</u> The facility is being constructed in a developed area of the Base and the economic savings will be in nominal energy consumption to be realized from efficient operations. This is a Nonappropriated Fund Project.	
12. <u>ENVIRONMENTAL IMPACT.</u> An Environmental Impact Assessment (EIA) will be written and processed through the local EIA Review Board. No adverse environmental impact is anticipated.	
13. <u>QUANTITATIVE DATA.</u> NAVFAC P-80 states that the space allowance for Category Code 740-60, Commissioned Officers Open Mess, shall be based on officer population. The officer population consists of active duty officers plus 50% of officers' spouses and 50% of retired officers supported by the installation. The space allowance for 3,743 personnel allows 42,500 gross square feet according to 740-60A as identified in NAVFAC P-80.	
<ul style="list-style-type: none"> a. <u>Unit of Measure.</u> Square Feet. b. <u>Total Requirement.</u> 42,500 Square Feet. c. <u>Existing Substandard.</u> 43,611 Square Feet. d. <u>Existing Inadequate.</u> 0 Square Feet. e. <u>Existing Adequate.</u> 0 Square Feet. f. <u>Other Assets, Not in Inventory.</u> 0 Square Feet. g. <u>Funded not in Inventory:</u> 0 Square Feet. h. <u>Adequate Assets.</u> (e + f + g) 0 Square Feet. i. <u>Deficiency.</u> (b - h) 	
<div style="margin-left: 40px;"> Total Requirement = 42,500 Square Feet Adequate Assets = 0 Square Feet Total Deficiency = 42,500 Square Feet </div>	
15. <u>MORALE, WELFARE AND RECREATION FACILITIES.</u> NAVFAC P-80 indicates that the requirement for Category Code 740-60, Commissioned Officers Open Mess, is determined by a space allowance format based on Commissioned officers, their dependents, and retiree population. The following allowance is based on the FSR dated February 1985:	



1. COMPONENT MARINE CORPS		FY 90 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542				
4. PROJECT TITLE COMMISSIONED OFFICERS OPEN MESS			5. PROJECT NUMBER P-866	

SUMMARY OF BASE LOADING DATA

OFFICERS

Permanent Personnel	=	518
Student Personnel	=	197
Supported Personnel	=	<u>1,988</u>
 Total		 2,703

From USMC Marital & Dependency Status of Camp Lejeune of 30 June 1983:
70.24% of officers are married.

Using the above average and projecting it into the February 85 FSR, the following computation applies: 2506 active duty officers X 0.7024 = 1,760 Officers' spouses.

NAVFAC P-80, Table 740-60A, defines Officer population as the number of active duty officers plus 50% of officers' spouses and 50% of retired officers.

The number of retired officers residing in the Camp Lejeune area is not available, however, current membership records for Camp Lejeune's Commissioned Officers Club indicates 160 (retiree) members.

Therefore: 2703 officers + (1760 officers' spouses X 50%) + 160 retirees = 2,703 + 880 + 160 = 3,743 officer population.

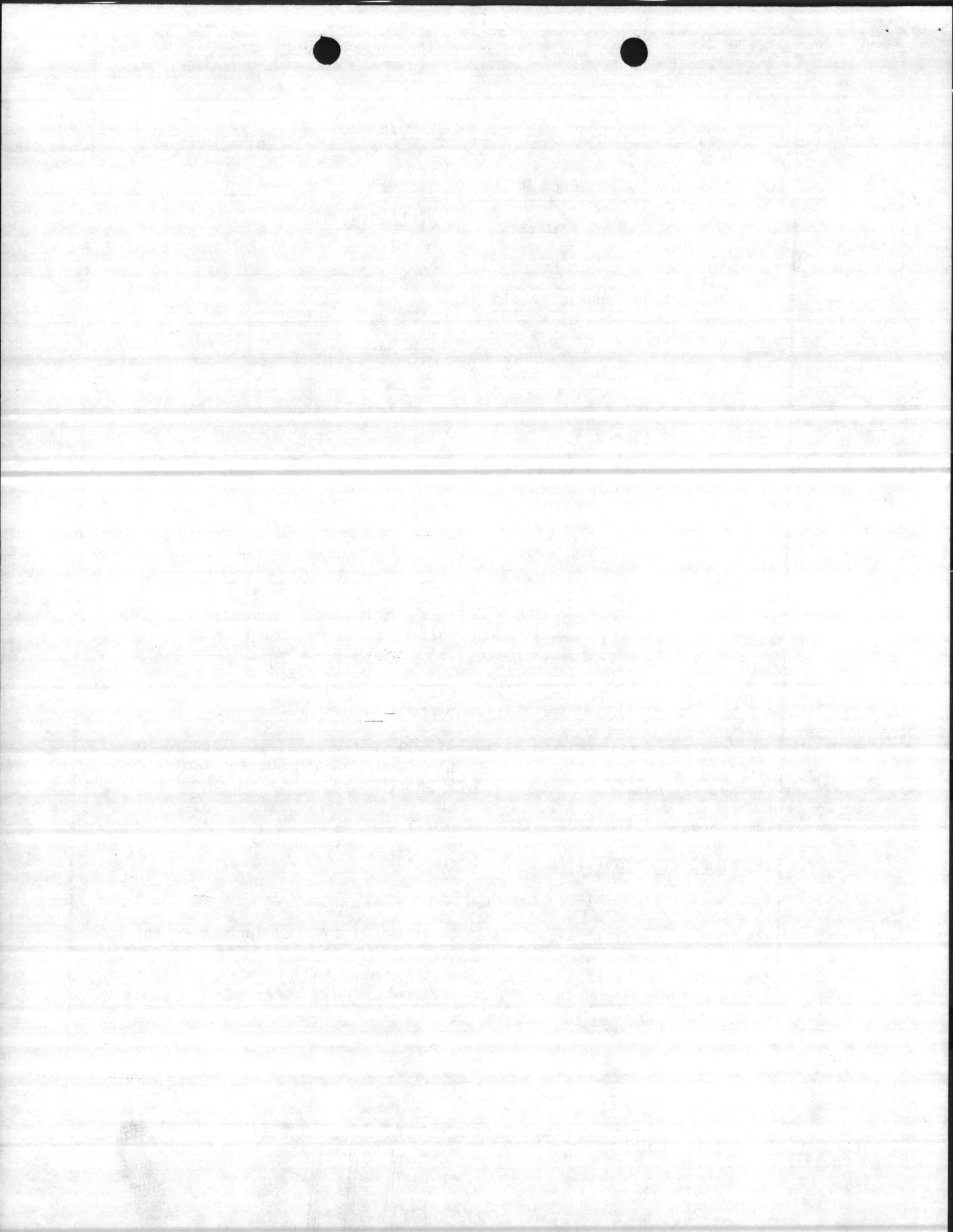
NAVFAC P-80, Table 740-60A allows 42,500 SF for an officer population of 3,001 to 4,000 PN. Table 740-60B gives and EAF of 1.00 for a distance to nearest metropolitan center of over 30 miles.

Therefore: 42,500 SF X 1.00 = 42,500 SF.

16. RELOCATION FACILITIES. Not applicable.

17. STORAGE FACILITIES. Not applicable.

18. HAZARDS IDENTIFICATION, ASSESSMENT AND ANALYSIS. There does not appear to be any known hazards to be identified with this facility. However, system safety engineering and management programs will be used to ensure that the highest possible degree of safety and occupational health is designed into this facility.



COST ESTIMATE

DATE PREPARED

SHEET 1 OF 2

ACTIVITY AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

P-866

ESTIMATED BY

W. L. BRANT

CATEGORY CODE NUMBER

740-60

PROJECT TITLE

COMMISSIONED OFFICERS OPEN MESS

STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE		Esc to FY90 Multi 1.20
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
COMMISSIONED OFFICERS MESS OPEN	42,500	SF					93.02	3,953,350	4,744,020
Built-in Equipment	1	LS						500,000	600,000
(Aggregate Base, Pav- Paved Roads & Parking ing, Curbs, & gutters)	3,775	SY					23.90	90,222	108,266
Sidewalks	350	SY					21.80	7,630	9,156
Outdoor Assent Lighting	1	LS						10,000	12,000
Paved Courtyard (quarry or brick)	22,500	SF					4.25	95,625	114,750
Indoor Swimming & Wading Pools (NAVFAC P-80, w/auto. cntrls, filter, pumps)	23,000	SF					98.84	2,273,320	2,727,984
Collateral Equipment	1	LS						350,000	420,000
Water Distribution	500	LF					38.60	19,300	23,160
Sanitary Sewer	500	LF					27.80	13,900	15,680
(Approx 50 BHP w/ Oil Fired Steam Boiler fuel stor. & piping)	1	LS					95,000	95,000	114,000
Electrical Distribution & Service	600	LF					150.00	90,000	108,000
(Approx 8 ac) Site Improvements & Storm Drainage	1	LS						85,000	102,000
Telephone & Switching Equipment	1	LS						3,500	4,200
Fire Alarm	1	LS						5,000	6,000
Intrusion Detection System	1	LS						5,500	6,600
Security Lighting	1	LS						15,000	18,000

