NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST E	STIM	ATE			PREPARED May 87	SHEET 1	OF 2
ACTIVITY AND LOCATION MARINE CORPS BASE			CONSTRUCTION ESTIMATED BY				IDENTIFICAT P - 8	
PROJECT TITLE				F., W. E	STES		44	L-12
STORAGE/USMC/GROUND ORGANIC UNIT			STATUS OF DESI	GN 30% 100%	FINAL X Other	(Specify) Pro	jec JOB ORDER N	IUMBER
ITEM DESCRIPTION	QUANTI	_		RIAL COST		OR COST	ENGINEERIN	
TEM DESCRIPTION	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
STORAGE FACILITIES .	43,560	SF					43.50	1,894,860
BUILT IN EQUIPMENT:								
Sprinkler System	43,560	SF					.88	38,333
Fire Alarm System	43,560	SF					.13	5,663
Security Detection System	43,560	SF					.14	6,098
Telephone System	43,560	SF					.05	2,178
Intercom System	43,560	SF					.08	3,485
OMSI	1	LS	1			4	28,423	28,423
SUPPORTING FACILITIES:								
HVAC	5	TN					2,533	12,665
Heating and Ventilation	43,560	SF					1.00	43,560
Electrical Distribution	400	LF					19.32	7,692
Electrical Substation	150	KVA					73.37	11,000
Area Lighting	2	EA					1,500	3,000
Power	43,560	SF					.40	17,42
Water Distribution	120	LF					96.67	11,000
Steam Distribution	600	LF					124.15	74,490

	N.S. E4		* C.V.	STORATT ASSISTED A
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860	A. I		A3,530 SE	
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	88.			Incercom Sy 'em
28,633	23,423			ASM.
				SUPPORTING FACILITIES: 10
12,665	ET 12		Friedrich (1997) Kr. 1. C.	
	00.7		43,560 S	
500,				Rectrical Diametrockion
	1,5			
				Power
		4		ator Distribution
VA, ACU			500 BF	sceám Distribution

NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST E	STIM	ATE		DATE	12 May 87	SHEET	2 OF 2
ACTIVITY AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542 PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT			CONSTRUCTION CONTRACT NO. ESTIMATED BY F. W. E.S.T.E.S CATEGORY CODE NUMBER 441-12					
				F. W. ESTES STATUS OF DESIGN PED 30% 100% FINAL X Other (Specify) Proje			JOB ORDE	JOB ORDER NUMBER
	QUANT		MATE	RIAL COST	LAB	OR COST	ENGINEER	ING ESTIMATE
ITEM DESCRIPTION	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
Ssnitary Sewer	1,500	LF					42.58	63,870
SITE IMPROVEMENTS:								
Storm Drainage	1,200	, LF					83.13	99,756
Clearing	1,500	CY					9.74	14,610
Borrow	1,000	CY		100			9.00	9,000
Fencing	600	LF					16.47	9,882
Demolition	1	EA					35,000	35,000
Pavement, Roads and Parking	1,000	SY			- 25		20.00	20,000
Loading Ramp	1	EA					20,000	20,000
SUBTOTAL								2,431,995
CONTINGENCY 5%								121,600
TOTAL CONTRACT COST								2,553,595
S.I.O.H.								140,448
TOTAL REQUEST						Garage Commen		2,694,043
TOTAL REQUEST ROUNDED		abic hors giba	e inches en	Alexander Control				2,690,000
	Transaction of the							

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35,000 25 35,000 4		1.5	Demolition
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20,000			Coas probably
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100441			CONTINUENCY 58
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	T. D.		

REQUEST FOR PROJECT SITE APPROVAL NAVMC 11069 (11-80) SN 0000-00-006-7880 U/I: PADS OF 50 TO: COMMANDANT OF THE MARINE CORPS (CODE LFF-1)

PRO NUMBER	ACTIVITY UIC
P-859	67001

(4700)

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542 CATEGORY CODE AND PROJECT TITLE TYPE OF FUNDING PROGRAM YEAR COST (\$000) FY-92 441-12 STORAGE/USMC/GROUND ORGANIC UNIT MCON 2,200 PROJECT DESCRIPTION Provide storage & armory fac. REMARKS Personnel will continue to use substandard for 2nd LAV Bn, 2nd MARDIV of reinf. conc. w/masonry, parking area, security fencing facilities & light., supporting util., tel. & tel. DATE REQUESTED BY (Typed name and signature) switch. equip. and site improvements. TYPE OF MAP AUG 2 3 1985 SITE LOCATION MAP (encl (1)) B. W. ELSTON By direction DATE RECEIVED (Place a check (>) in box opposite each item. Y = Yes; N = No; NA = Not Applicable) PROJECT SITING CONSIDERATION PROJECT SITING CONSIDERATION d. COMPLIES WITH THE FOLLOWING CRITERIA: a. COMPATIBLE WITH ACTIVITY PLANNED DEVELOPMENT GOALS (1) AMMUNITION AND EXPLOSIVES **b. DEMONSTRATES SOUND PLANNING PRINCIPLES** (2) ELECTROMAGNETIC RADIATION C. MEETS MINIMUM PLANNING AND SITING CRITERIA (3) AIRFIELD SAFETY (4) NOISE INTENSITY (5) FIRE PROTECTION *NOT SHOWN AND INCONSISTENT IDENTICAL NOT SHOWN BUT CONSISTENT DIFFERENT AND INCONSISTENT DIFFERENT BUT CONSISTENT DATE CRITERIA CERTIFICATION(S) REQUESTED (Check) NAVSEA NAVELEX OTHER: NAVAIR DDESB CNO DATE CERTIFICATION(S) RECEIVED SECTION B HOMC REVIEW AND ANALYSIS NAVAIR **NAVELEX** CNO NAVSEA DDESB ACTION -DISAPPROVED DEFERRED APPROVED REMARKS SITE APPROVED HQMC DATE 1 8 OCT 1985 DATE APPROVING OFFI K. SISSON 21 OCT 1985 : By direction

the master plan prior to site approval. Requires approval of

TORACE/LIST C/ TURE

1. COMPONENT NAVY	FY 19_94. MILITARY CONSTRUCTION PROJECT DATA	2. DATE 15 Aug 88
3. INSTALLATION MARINE CO CAMP LEJE		
4. PROJECT TITLE STORAGE/U		-859

FACILITY STUDY

- 1. <u>Project:</u> Provide a permanent storage facility for the Light Armored Vehicle Battalion of the 2d Marine Division.
- 2. <u>Current and Planned Future Workload with Regard to this Project:</u> These storage facilities will be utilized on a full time basis and the duration of need for these facilities will be indefinite.
- 3. Description of Proposed Construction:
- a. Type of Construction: Permanent building of reinforced masonry type construction, with air conditioning, paved parking area, security fencing, security lighting and all supporting utilities (water, sewer, electricity, etc.).
- b. Replacement: The existing storage facilities may be utilized for other functions. Those facilities that cannot be utilized will be demolished. The disposition of existing storage facilities will be determined at the time of project submission.
 - c. Description of Work to be Done:
- (1) <u>Primary Facilities:</u> Storage Facility for organizational and mount-out equipment.
- (2) Energy Conservation: Energy efficient equipment for maximum energy conservation will be utilized.
- (3) Collateral Equipment: A list will be furnished under separate cover.
- (4) <u>Supporting Facilities</u>: Security fencing, security lighting, pavement and site improvements. Facility scheduled for demolition is as follows:

Building No.: S-1840 Date of Construction: 1952 Type of Construction: "S" Size: 2

Use: 123-10

Present Condition: Inadequate

1 Project: Thought a permanent storage famility of the L. N. A. accel Veh. L. Duttallon of the 2d Walland minister. The figo to the contract of the line of the contract of the

(i) Apimary Facilitiest Storag Pacifity of organizational and noust-out equipment.

for maximum energy ronservation: Coesual Section and and for

3) Collateral Equipment: A list will be forbined

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1. COMPONENT NAVY	FY 19 94 MILITARY CONSTRUCTION PROJE	CT DATA	15 Aug 88
3. INSTALLATION	AND LOCATION		
MARINE CO			
CAMP LEJE	UNE, NC 28542	•	
4. PROJECT TITLE		5. PROJ	ECT NUMBER
STORAGE/U	SMC/GROUND ORGANIC UNIT	P	-859

- 4. Cost Estimate: Area cost factor for Camp Lejeune is 0.86 NAVFAC DM-10, Cost Engineering Criteria and Cost Data and escalated to FY- to provide for the proposed facility. The contingency factor is 5% and the cost growth factor is computed at 10% per year with an estimated award date of January 199.
- 5. Justification for Project and Scope of Project:
 - a. Justification for Project:
- (1) <u>Project:</u> The proposed facility is required to provide the 2nd Supply Battalion adequate storage.
- (2) <u>Current Situation</u>: Facilities are widely scattered and are substandard.
- (3) Impact if not Provided: Personnel will continue to use substandard facilities in non-centralized work areas.
- b. <u>Justification for Scope of Project</u>: The project is for the minimum size facility that can meet the requirement of 43,560 SF of space to replace the various existing facilities currently utilized. See Quantitative Data, paragraph 13.
- Equipment Provided from other Appropriations: Not applicable.
- 7. Common Support Facilities: There are no common support facilities logistically compatible in the area.
- 8. Effect on Other Resources: The project will require approximately \$17,352 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should 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.

5. Justification for Project and Score of Project

or v. (4) Project: The proposed wilkly is raddited to oroxide the 2nd Suchty Baltelion adequates stone.

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b. Juntification (Severof Project: Pre-project is for the ritinum for Tacility that can made the resultament in 43 560 88 or space to replace the various stasting facilities our ently at 1 and 522 Duantitative has dated agn 15

C. Equipment you'd ed you comes Appropriations: instance appropriation.

7. Comman Support Facilities sheres and common support social last to the common support

8. Effect on Other Resources; The project will require approximately 217,252 per year in increased O MY funds for increased to increase the filter serious and coerations. No additional personnel will be required to operate this facility, either personnel will be required to operate this facility, either presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy sinuables and comply with the requirements of the coefficient of the requirements of the coefficient of the coefficient of the coefficients.

1. COMPONENT
NAVY
FY 19
94
MILITARY CONSTRUCTION PROJECT DATA

2. DATE
15 Aug 88

3. INSTALLATION AND LOCATION
MARINE CORPS BASE
CAMP LEJEUNE, NC 28542

4. PROJECT TITLE
STORAGE/USMC/GROUND ORGANIC UNIT

5. PROJECT NUMBER
P-859

Electricity O&M cost: \$11,564 Steam O&M cost: 5,788 Total O&M yearly cost: \$17,352

UTILITY REQUIREMENTS

a. Electricity: Consumption 154,190 KWHR/YR
Peak Demand: 80 KW
Average Demand 70 KW

b. Steam Consumption 2,492,928 LBS/YR Demand 555 LBS/HR

c. Coal 111 TONS/YR

- 9. Siting of the Project: See enclosure (1).
- 10. Other Graphic Presentations, including Photographs: None.
- 11. Economic Analysis: This facility will be constructed in a developed area of the Base and the economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project which must support an operational mission.
- 12. Environmental Impact: An Environmental Impact Assessment of the area will be made by the Environmental Impact Assessment Board to determine any significant impact on the environment.
- 13. Quantitative Data:
 - a. Unit of Measure: Square Feet

BFRL requirement (Hadnot Point (DA)) NAVFAC P-80 states that the requirement for this category code 441-12 is determined from definitive drawings given in M4NAVFAC P-272, Part IV.

- b. Total Requirement: 643,490 SF
- c. Existing Substandard: 57,264 SF
- d. Existing Inadequate: 945,538 SF

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Electric ty: Consumption 199 KMHK/X

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In. Other Granic Presentations, including Photographs's Mone

11. Troposic apalysis: This facility will be constructed in a developed at a of the case and the economic savings will be in admiral energy consumption savings to be realized from efficient or rations. This is military operational project which much support an objections mission.

el. Juvisonnentel ingaots An mavisonmental sepact Assessment's of the etal will be said by the Soritonmental Impact Agestanant Board Logdelegalningsay significant supect on the environments o

13. Quanticative Dates

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D. Total Fedu tomenty 1143/1995EE

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NAVY	FY 19 94 MILITARY CONSTRUCTION PROJECT DATA	15 Aug 88
3. INSTALLATION		
MARINE CO		
CAMP LEJE	UNE, NC 28542	
4. PROJECT TITLE		JECT NUMBER
STORAGE/U	SMC/GROUND ORGANIC UNIT	-859

- 13. Quantitative Data (cont'd):
 - e. Existing Adequate: 92,255 SF
 - f. Other Assets, Not in Inventory: Ø SF
 - g. Funded, Not in Inventory: Ø SF
 - h. Adequate Assets: (e + f + g) = 92,255 SF
 - i. Deficiency: (b h) = 551,235 SF
 - Line (b) Total Requirement 649,490 SF Line (h) Adequate Assets 92,255 SF
- 14. Maintenance Facilities: Not applicable.
- 15. Morale, Welfare and Recreation Facilities: Not applicable.
- 16. Relocation Facilities: Not applicable.
- 17. Storage Facilities: The storage requirements are in accordance with Section V of DOD Directive 4145.19.
- 18. Hazards Identification, Assessment and Analysis:
- a. In accordance with OPNAVINST 5100.24, Navy System Safety Engineering and Management, the system safety engineering and management programs shall be used to ensure that the highest possible degree of safety and occupational health will be designed into these facilities.
- b. Requirements for applying system safety engineering and management principles shall include the following documentation as applicable:
 - (1) A listing of primary hazards identified.
- (2) Risk assessment data to be determined by the assignment of a "Risk Assessment Code" as defined in enclosure (1) of OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) Program.
- (3) A Preliminary Hazard Analysis (PHA) will be submitted as required.

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13. "Jun littly Date (ont'd):

e. Existing adequate: 92,255 SE

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a. Fueld Not in Lovenborg: 0.38

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(b) Jourt (c) Administration of the Asylvania (b) and the Asylvania (b) Asylvania (c) Asylvania (c)

Maintenance Pacificans Not application

15. A Marale, Malfare and Recession Carille 181, Tat applicable

15, enterention Faction and Los applicable.

1). Storage Pacilities: The Storage requirement are in accordance with Sertion V of DOD Directive 4185.1:

in the standard identification, Assessmiant and Andreis:

a.. In accordance with opin vivor 199. The system saft safety to incering and Management, whe system saft engineering and management programs shall be used to ensure that the highesting since degree of safety and or upational health will be designed into these facilities.

b. Requirements for analying system sainty engineering and management oringinies shall include the following documentation as applicable:

Tild Bi shankad yasmiro o pnise (7 (1)

(2) Piscassenent data to be debermined by the assignment of a 'Riek Assess of Fod " as defined in enclosury (1) or objective sind 2); Mayy Odenosined Safet, and health (NAVOSE) Program.

definition of all visual beauty visualities (a)

1. COMPONENT NAVY	FY 19 92 MILITARY	CONSTRUC	CTION PRO	JECT DATA	2. DATE
MARINE CORP CAMP LEJEUN	ND LOCATION S BASE IE, NC 28542		4. PROJECT T STORAGE UNIT	TITLE /USMC/GROU	IND ORGANIC
5. PROGRAM ELEMEI	6. CATEGORY CODE	7. PROJEC	TNUMBER	8. PROJECT C	OST (\$000)
	441-12	P-8	359	2,69	0
	9.	COST ESTIMA	TES	1. 10	

9. COST ESTIMA	TES	Ten Marie .		
ITEM	U/М	QUANTITY	UNIT	COST (\$000)
STORAGE/USMC/GROUND ORGANIC UNIT	SF	43,560	1-14	1,979
BUILDING	SF	43,560	43.50	(1,895)
BUILT-IN EQUIPMENT	LS		-	(56)
OMSI	LS	-	-	(28)
SUPPORTING FACILITIES	LS		-	453
UTILITIES	LS		-	(243)
ROADS, PARKING & SIDEWALKS	SY	1,000	20.0	0 (20)
SECURITY FENCING & LIGHTING	LS	-	-	(13)
SITE IMPROVEMENTS	LS		-	(123)
DEMOLITION	EA	_1	35,000	(35)
LOADING RAMP	LS	- 0	-	(20)
SUBTOTAL				2,432
CONTINGENCY - 5%				122
TOTAL CONTRACT COST				2,554
S.I.O.H 5.5%				140
TOTAL REQUEST				2,694
TOTAL REQUEST ROUNDED			2.00	2,690
EQUIPMENT PROVIDED FROM OTHER APPROP	PRIATIO	NS (NON-	-ADD)	

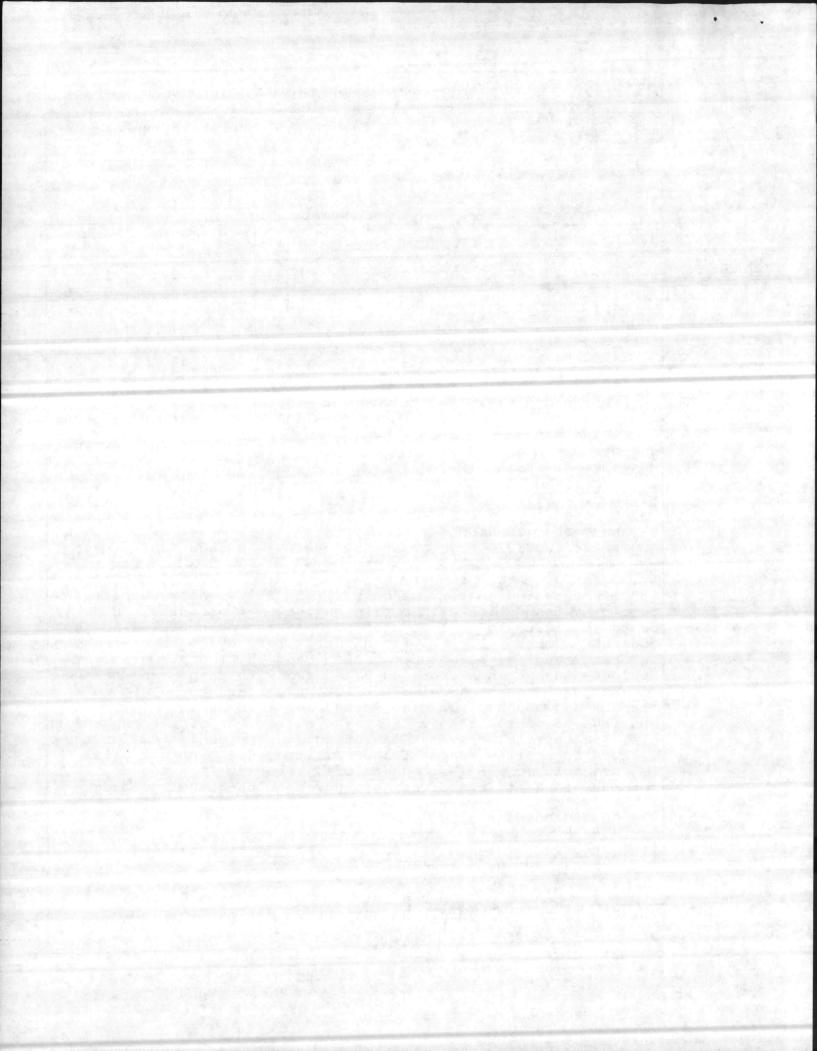
10. Description of Proposed Construction: Construct a single-story masonry warehouse building supported on a pile foundation with a pile supported floor slab. Function of the building to include both private and open office spaces, mens and womens toilet's with shower, high bay storage area material handling equipment, parking and maintenance areas, weapons storage and a covered dock area with ramp. The office and support area to have a ventilation system and be air conditioned and heated. The warehouse is to have a minimum heating and ventilation system. The entire building to have fire alarm and sprinkler system including a dry pipe system for the covered dock area. Supporting facilities will include site improvements, utilities connections, security lighting and fencing, concrete and bituminous pavement on gravel subbase.

AIR CONDITIONING: 5 TONS

REQUIREMENTS: 643,490 SF 11. ADEQUATE: 92,255 SF

SUBSTANDARD: 57,264 SF

PROJECT: Construct a permanent storage and armory facility for the Light Armored Vehicle Battalion, 2d Marine Division.

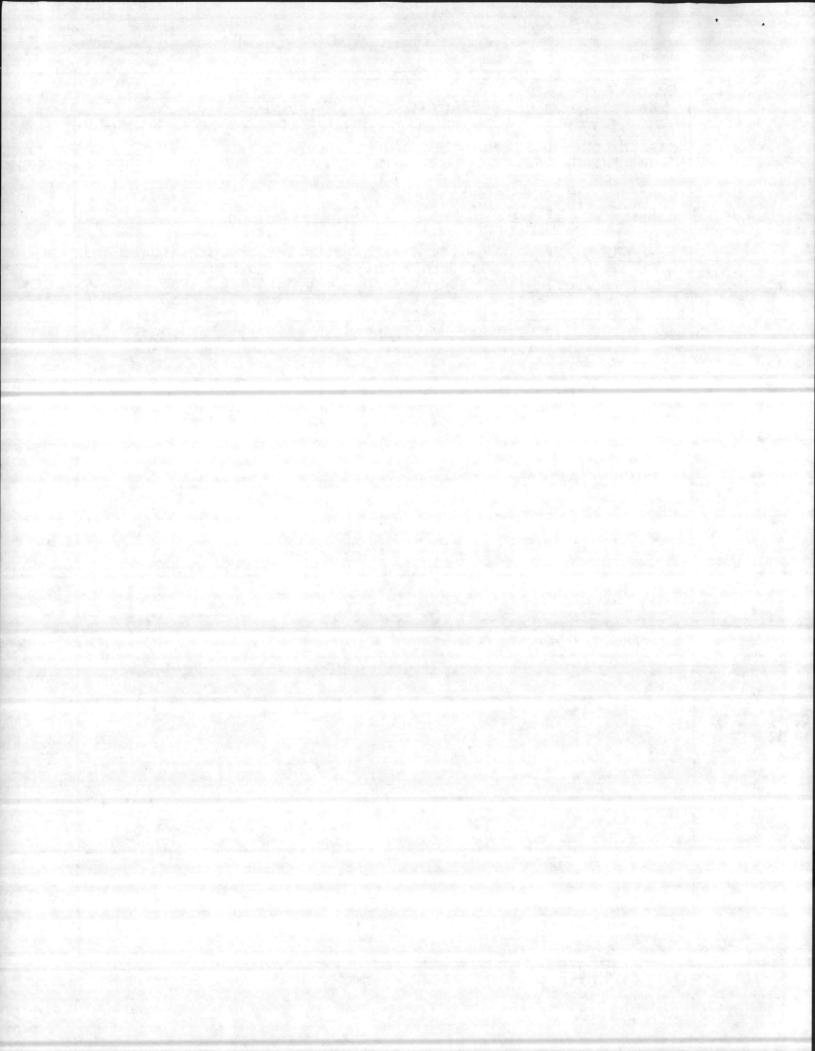


1. COMPONENT NAVY	FY 19_92 MILITARY CONSTRUCTION PRO	JECT DATA
3. INSTALLATION MARINE CO CAMP LEJE		
4. PROJECT TITLE STORAGE/U	SMC/GROUND ORGANIC UNITS	5. PROJECT NUMBER P-859

REQUIREMENT: Provide a storage facility for organizational and mount-out equipment with proper security for weapons.

CURRENT SITUATION: The supply and armory facilities for the Light Armored Vehicle Battalion is inadequate with respect to capacity and configuration of buildings.

IMPACT IF NOT PROVIDED: Utilization of existing inadequate facilities will impair supply/armory operations and consume excessive man-hours.



1. COMPONENT
NAVY
FY 19

MILITARY CONSTRUCTION PROJECT DATA

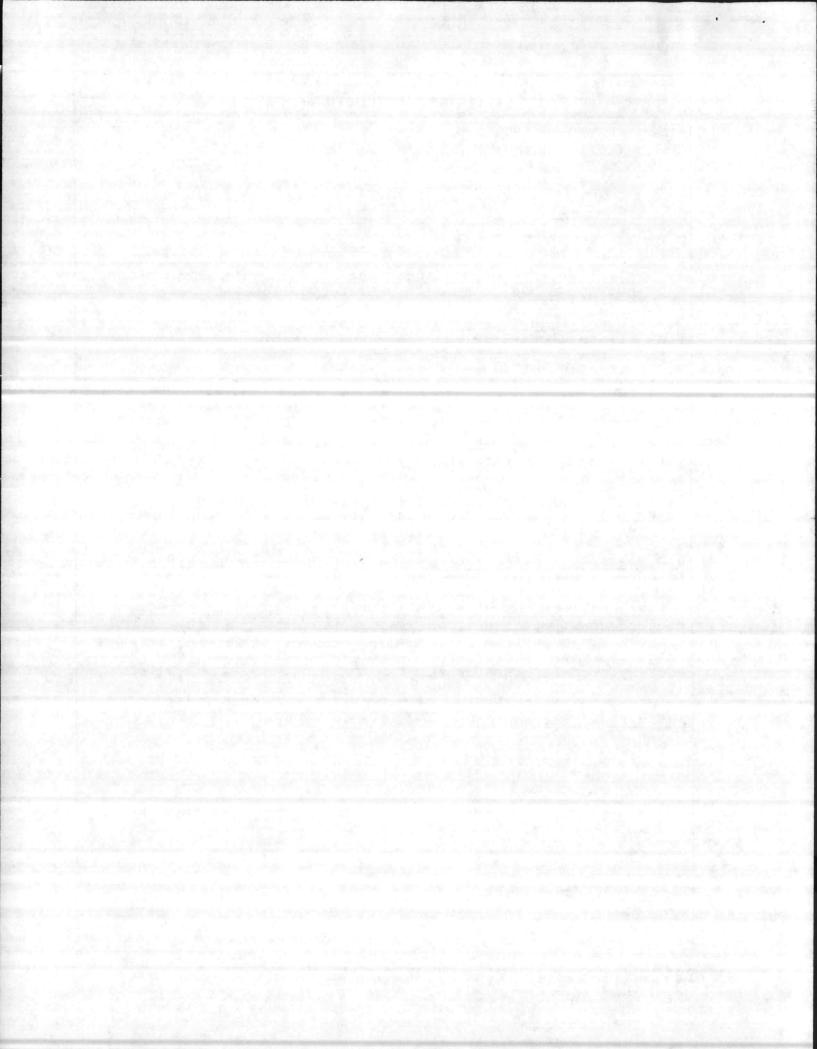
3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

4. PROJECT TITLE
STORAGE/USMC/GROUND ORGANIC UNIT

5. PROJECT NUMBER
P-859

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 will be made, reviewed, and where required, the design concepts give consideration to eliminating adverse enviroinmental effects consistent with applicable directives.
- 4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.
- 5. <u>Design for Accessibility of Physically Handicapped</u>
 <u>Personnel:</u> 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 4270.1-11.
- 7. <u>Preservation of Historical Sites and Structures:</u> 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 NAVY	FY 19_92 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION A MARINE COR CAMP LEJEU		
4. PROJECT TITLE STORAGE/US		DJECT NUMBER P-859

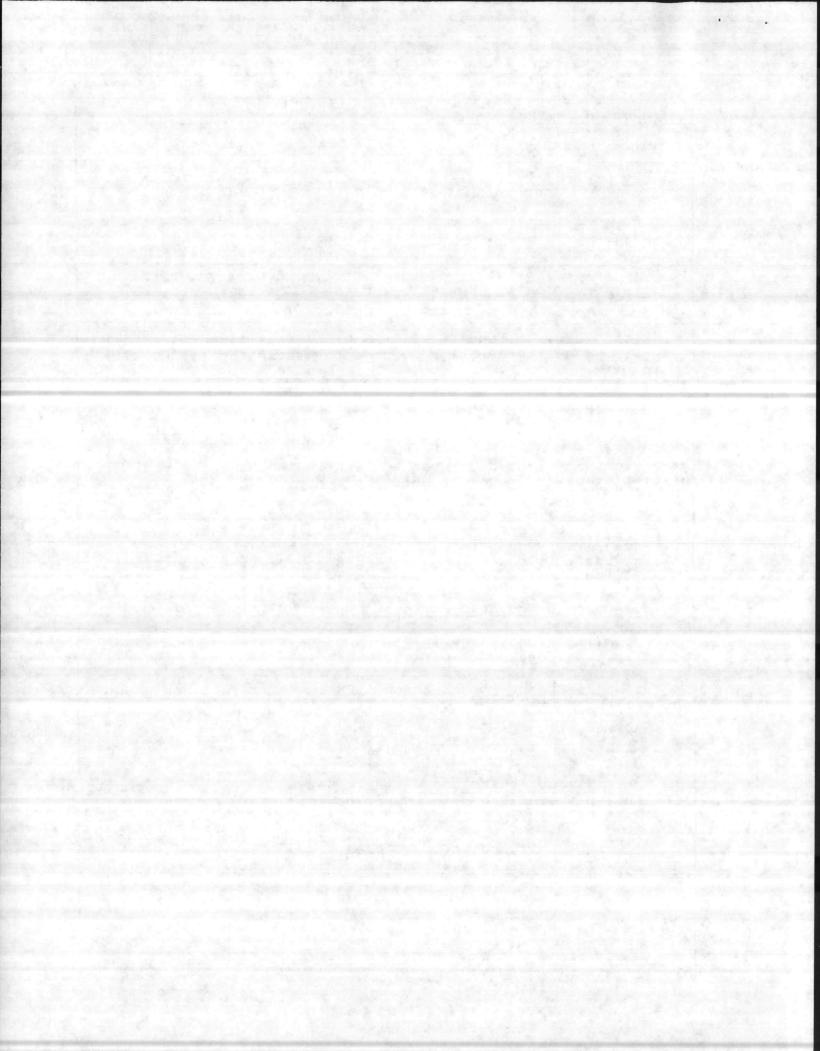
FACILITY STUDY

- 1. <u>Project:</u> Provide a permanent storage facility for the Light Armored Vehicle Battalion of the 2d Marine Division.
- 2. <u>Current and Planned Future Workload with Regard to this Project:</u> These storage facilities will be utilized on a full time basis and the duration of need for these facilities will be indefinite.
- 3. Description of Proposed Construction:
- a. Type of Construction: Permanent building of reinforced masonry type construction, with air conditioning, paved parking area, security fencing, security lighting and all supporting utilities (water, sewer, electricity, etc.).
- b. Replacement: The existing storage facilities may be utilized for other functions. Those facilities that cannot be utilized will be demolished. The disposition of existing storage facilities will be determined at the time of project submission.
 - c. Description of Work to be Done:
- (1) Primary Facilities: Storage Facility for organizational and mount-out equipment.
- (2) <u>Energy Conservation</u>: Energy efficient equipment for maximum energy conservation will be utilized.
- (3) Collateral Equipment: A list will be furnished under separate cover.
- (4) <u>Supporting Facilities:</u> Security fencing, security lighting, pavement and site improvements. Facility scheduled for demolition is as follows:

Building No.: S-1840 Date of Construction: 1952 Type of Construction: "S"

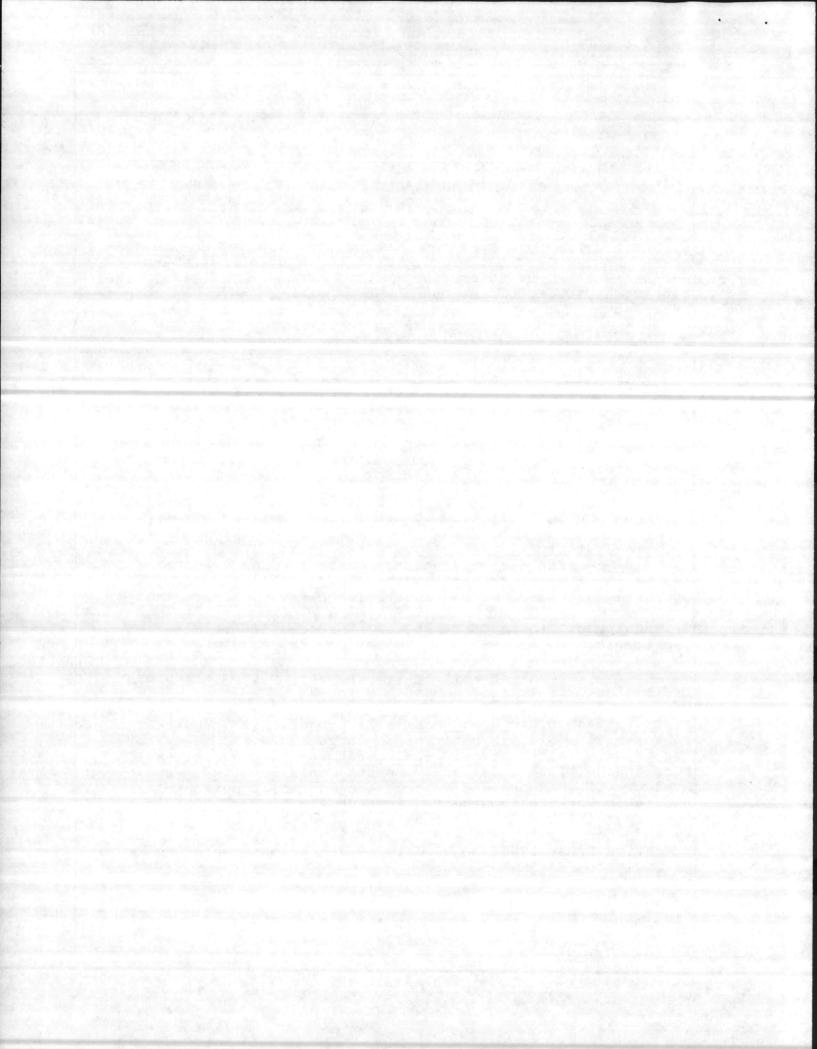
Size: 2 Use: 123-10

Present Condition: Inadequate



1. COMPONENT NAVY	FY 19_92 MILITARY CONSTRUCTION PROJE	2. DATE
3. INSTALLATION MARINE CO CAMP LEJE		
4. PROJECT TITLE STORAGE/U	SMC/GROUND ORGANIC UNIT	S59

- 4. Cost Estimate: Area cost factor for Camp Lejeune is 0.86 NAVFAC DM-10, Cost Engineering Criteria and Cost Data and escalated to FY-92 to provide for the proposed facility. The contingency factor is 5% and the cost growth factor is computed at 10% per year with an estimated award date of January 1992.
- 5. Justification for Project and Scope of Project:
 - a. Justification for Project:
- (1) <u>Project:</u> The proposed facility is required to provide the 2nd Supply Battalion adequate storage.
- (2) <u>Current Situation</u>: Facilities are widely scattered and are substandard.
- (3) Impact if not Provided: Personnel will continue to use substandard facilities in non-centralized work areas.
- b. <u>Justification for Scope of Project:</u> The project is for the minimum size facility that can meet the requirement of 43,560 SF of space to replace the various existing facilities currently utilized. See Quantitative Data, paragraph 13.
- 6. Equipment Provided from other Appropriations: Not applicable.
- 7. Common Support Facilities: There are no common support facilities logistically compatible in the area.
- 8. Effect on Other Resources: The project will require approximately \$17,352 per year in increased 0&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requriements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.



1. COMPONENT
NAVY
FY 19_92 MILITARY CONSTRUCTION PROJECT DATA

3. INSTALLATION AND LOCATION
MARINE CORPS BASE
CAMP LEJEUNE, NC 28542

4. PROJECT TITLE
STORAGE/USMC/GROUND ORGANIC UNIT

2. DATE

5. PROJECT DATA

5. PROJECT NUMBER
P-859

Electricity O&M cost: \$11,564 Steam O&M cost: 5,788 Total O&M yearly cost: \$17,352

UTILITY REQUIREMENTS

a. Electricity: Consumption 154,190 KWHR/YR
Peak Demand: 80 KW
Average Demand 70 KW

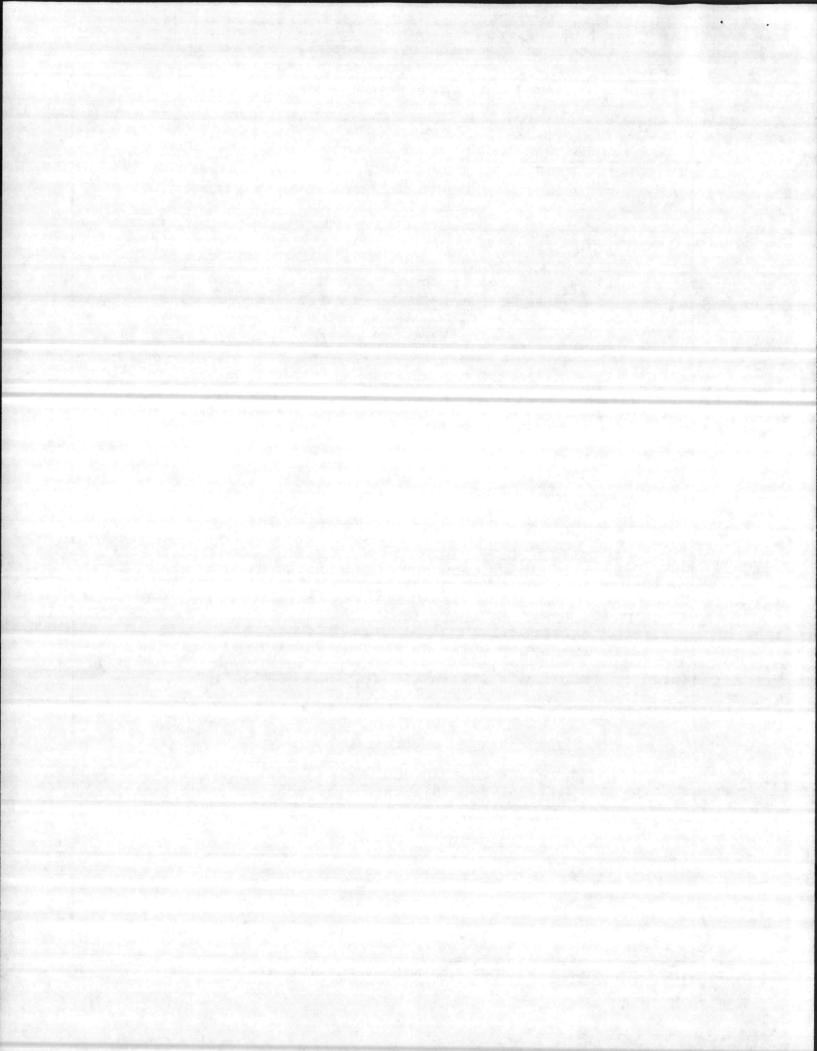
b. Steam Consumption 2,492,928 LBS/YR Demand 555 LBS/HR

c. Coal lll TONS/YR

- 9. Siting of the Project: See enclosure (1).
- 10. Other Graphic Presentations, including Photographs: None.
- 11. Economic Analysis: This facility will be constructed in a developed area of the Base and the economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project which must support an operational mission.
- 12. Environmental Impact: An Environmental Impact Assessment of the area will be made by the Environmental Impact Assessment Board to determine any significant impact on the environment.
- 13. Quantitative Data:
 - a. Unit of Measure: Square Feet

BFRL requirement (Hadnot Point (DA)) NAVFAC P-80 states that the requirement for this category code 441-12 is determined from definitive drawings given in M4NAVFAC P-272, Part IV.

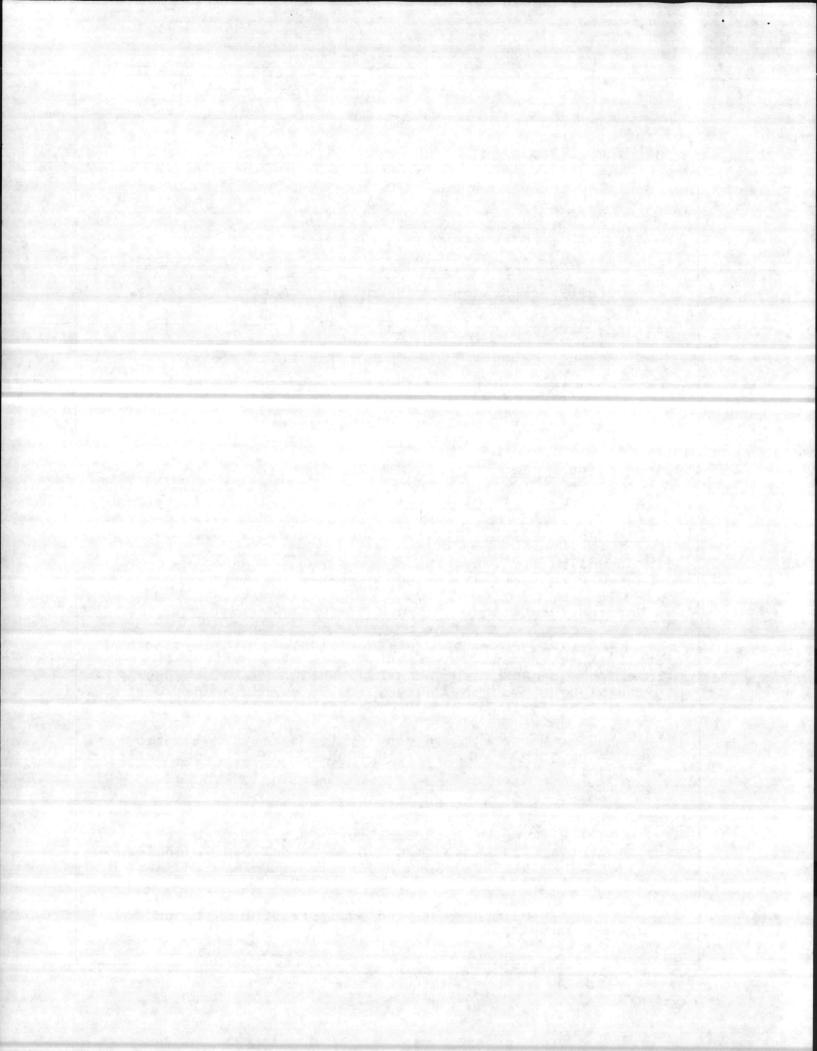
- b. Total Requirement: 643,490 SF
- c. Existing Substandard: 57,264 SF
- d. Existing Inadequate: 945,538 SF



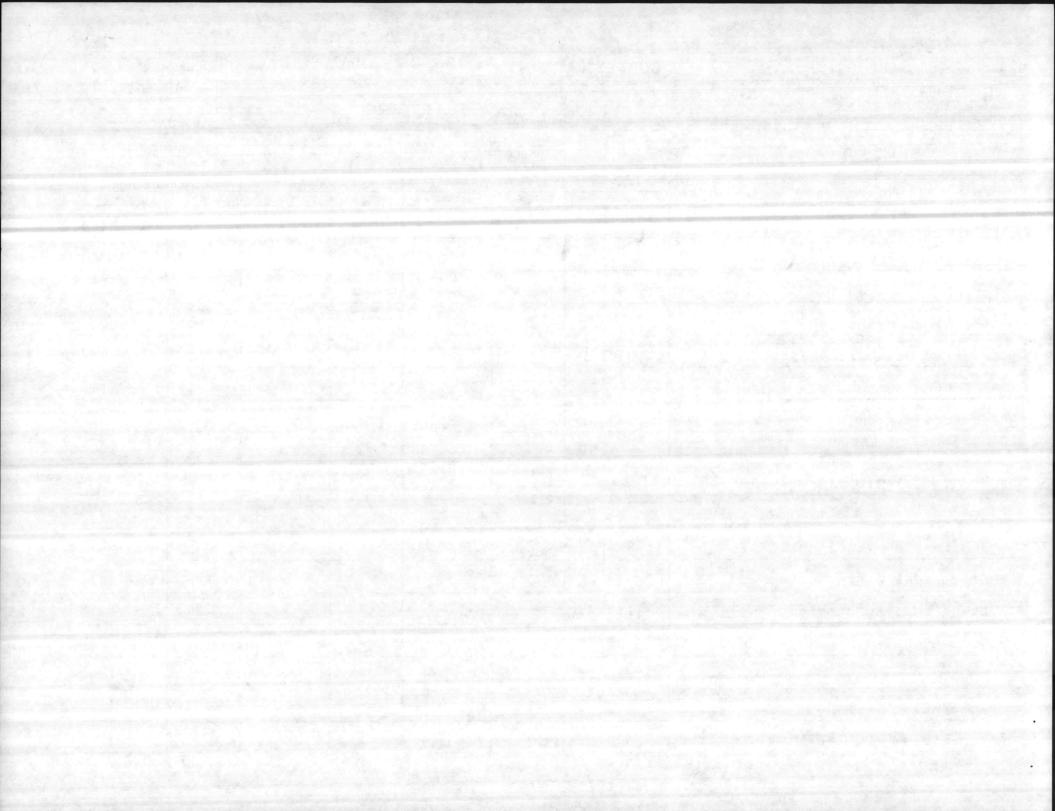
1. COMPONENT NAVY	FY 19 92 MILITARY CONSTRUCTION PI	ROJECT DATA
3. INSTALLATION	AND LOCATION	
MARINE CO		
CAMP LEJE	JNE, NC 28542	
4. PROJECT TITLE		5. PROJECT NUMBER
STORAGE/U	SMC/GROUND ORGANIC UNIT	P-859

13. Quantitative Data (cont'd):

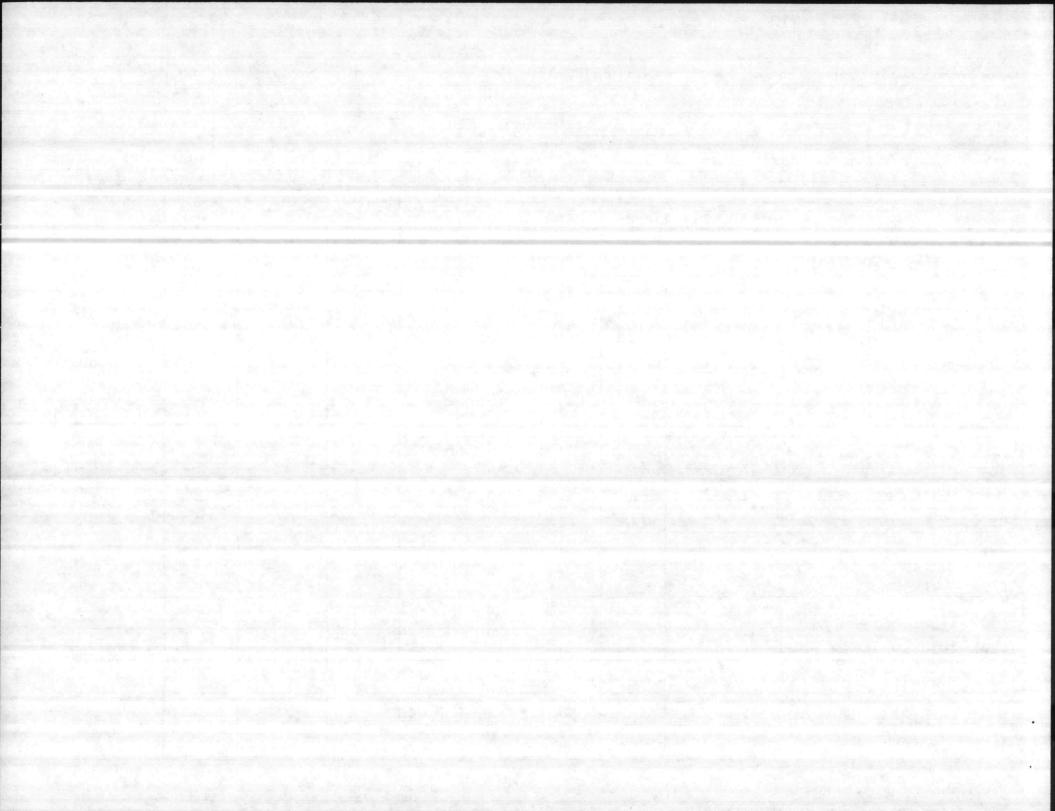
- e. Existing Adequate: 92,255 SF
- f. Other Assets, Not in Inventory: Ø SF
- g. Funded, Not in Inventory: Ø SF
- h. Adequate Assets: (e + f + g) = 92,255 SF
- i. Deficiency: (b h) = 551,235 SF
 - Line (b) Total Requirement 649,490 SF Line (h) Adequate Assets 92,255 SF
- 14. Maintenance Facilities: Not applicable.
- 15. Morale, Welfare and Recreation Facilities: Not applicable.
- 16. Relocation Facilities: Not applicable.
- 17. Storage Facilities: The storage requirements are in accordance with Section V of DOD Directive 4145.19.
- 18. Hazards Identification, Assessment and Analysis:
- a. In accordance with OPNAVINST 5100.24, Navy System Safety Engineering and Management, the system safety engineering and management programs shall be used to ensure that the highest possible degree of safety and occupational health will be designed into these facilities.
- b. Requirements for applying system safety engineering and management principles shall include the following documentation as applicable:
 - (1) A listing of primary hazards identified.
- (2) Risk assessment data to be determined by the assignment of a "Risk Assessment Code" as defined in enclosure (1) of OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) Program.
- (3) A Preliminary Hazard Analysis (PHA) will be submitted as required.



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		COSTE	STIM	ATE			PREPARED 2 May 87	SHEET	SHEET 1 OF 2	
ACTIVITY AND LOCATION MARINE CORPS BASE	d of grant		CONSTRUCTION				P-8	TION NUMBER		
PROJECT TITLE			ESTIMATED BY F., W. ESTES				CATEGORY CODE NUMBER 441-12			
STORAGE/USMC/GROUND ORGANIC UNIT				STATUS OF DESIGN PED 30% 100% FINAL X Other (Specify) Projec - DOB ORDER NUMBER						
ITEM DESCRIPTION		QUANTITY		MATERIAL COST			LABOR COST		G ESTIMATE	
TIEM DESC	RIPTION	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
STORAGE FACILITIES		43,560	SF					43.50	1,894,860	
BUILT IN EQUIPMENT	':									
Sprinkler System		43,560	SF		A TO SE			.88	38,333	
Fire Alarm System	1	43,560	SF	10.4 198				.13	5,663	
Security Detection	on System	43,560	SF					.14	6,098	
Telephone System		43,560	SF				ek - VA rugumu	.05	2,178	
Intercom System		43,560	SF		Skt			.08	3,485	
OMSI		1	LS					28,423	28,423	
SUPPORTING FACILIT	PIES:									
HVAC		5	TN					2,533	12,665	
Heating and Vent	ilation	43,560	SF					1.00	43,560	
Electrical Distr	ibution	400	LF					19.32	7,692	
Electrical Subst	ation	150	KVA					73.37	11,006	
Area Lighting		2	EA					1,500	3,000	
Power		43,560	SF					.40	17,424	
Water Distributi	ion	120	LF					96.67	11,000	
Steam Distributi	.on	600	LF					124.15	74,490	



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		COST	STIM	ATE		DATE	12 May 8	7 SHEET	2 OF 2
ACTIVITY AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		CONSTRUCTION CONTRACT NO. IDENTIFICATION P - 8 ESTIMATED BY CATEGORY CODE							
PROJECT TITLE				441-12					
STORAGE/USMC/GROUND ORGANIC UNIT			STATUS OF DESIGN PED 30% 100% FINAL X Other (Specify) Projection					JOB ORDER NUMBER	
		QUANTITY		MATERIAL COST		LABOR COST		ENGINEER	ING ESTIMATE
ITEM DESCRIPTION		NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
Ssnitary Sewer		1,500	LF					42.58	63,870
SITE IMPROVEMENTS:								100	
Storm Drainage		1,200	LF					83.13	99,756
Clearing		1,500	CY					9.74	14,610
Borrow		1,000	CY					9.00	9,000
Fencing		600	LF					16.47	9,882
Demolition		1	EA					35,000	35,000
Pavement, Roads and Par	king	1,000	SY					20.00	20,000
Loading Ramp		1	EA					20,000	20,000
SUBTOTAL									2,431,995
CONTINGENCY 5%									121,600
TOTAL CONTRACT COST									2,553,595
S.I.O.H.									140,448
TOTAL REQUEST									2,694,043
TOTAL REQUEST ROUNDED									2,690,000
The second secon							en graden en e	70 - 7 - 7	
			1977						



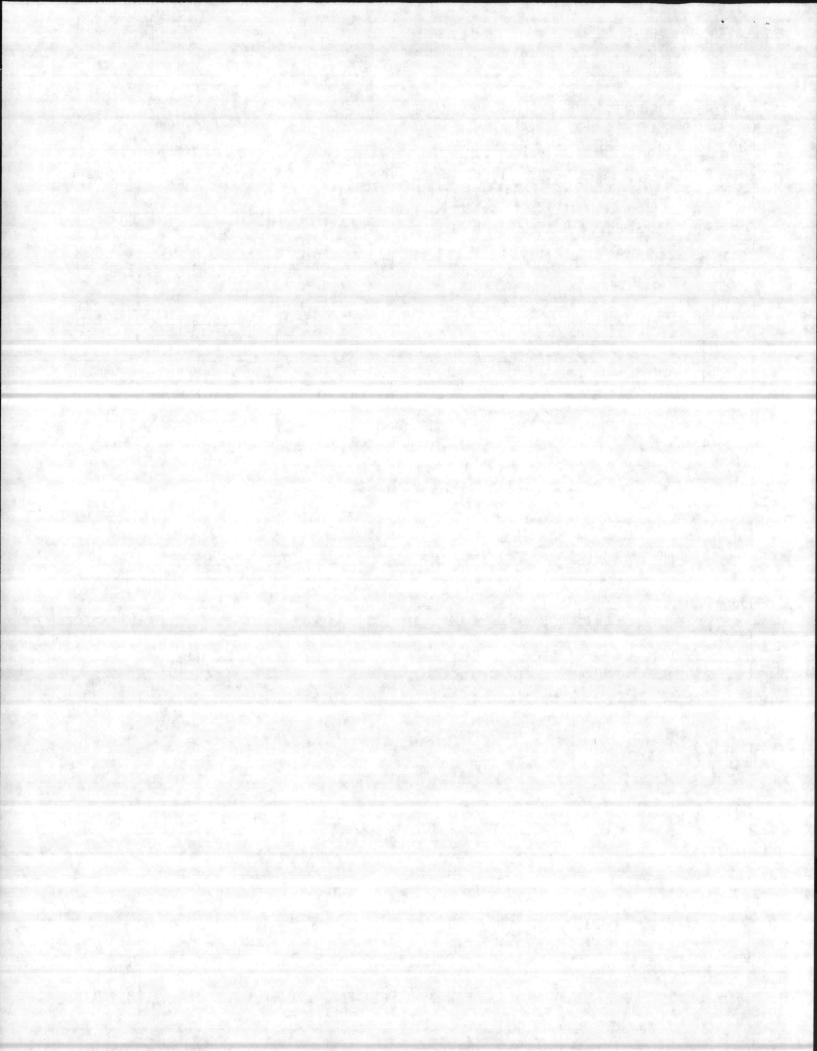
REQUEST FOR PROJECT SITE APP	ROVAL
NAVMC 11069 (11-80)	D.W
SN 0000-00-006-7880 U/I: PADS OF 50	
TO COMMANDANT OF THE MARINE CORP	S (CODE LFF-1)

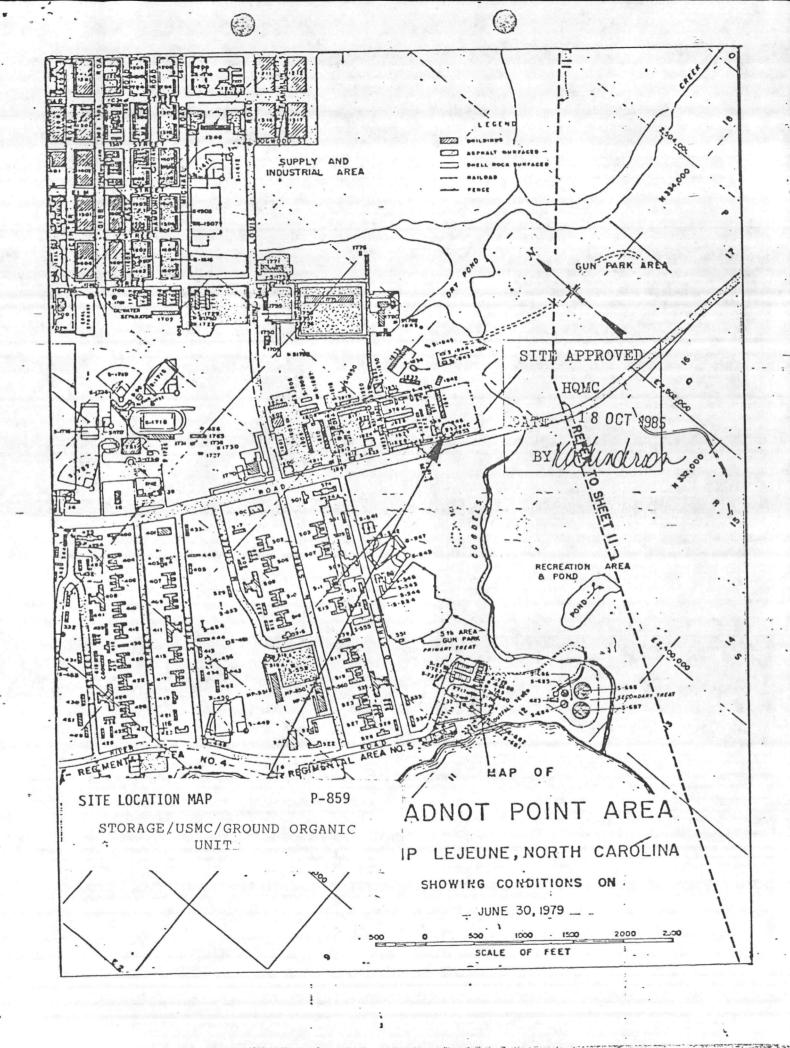
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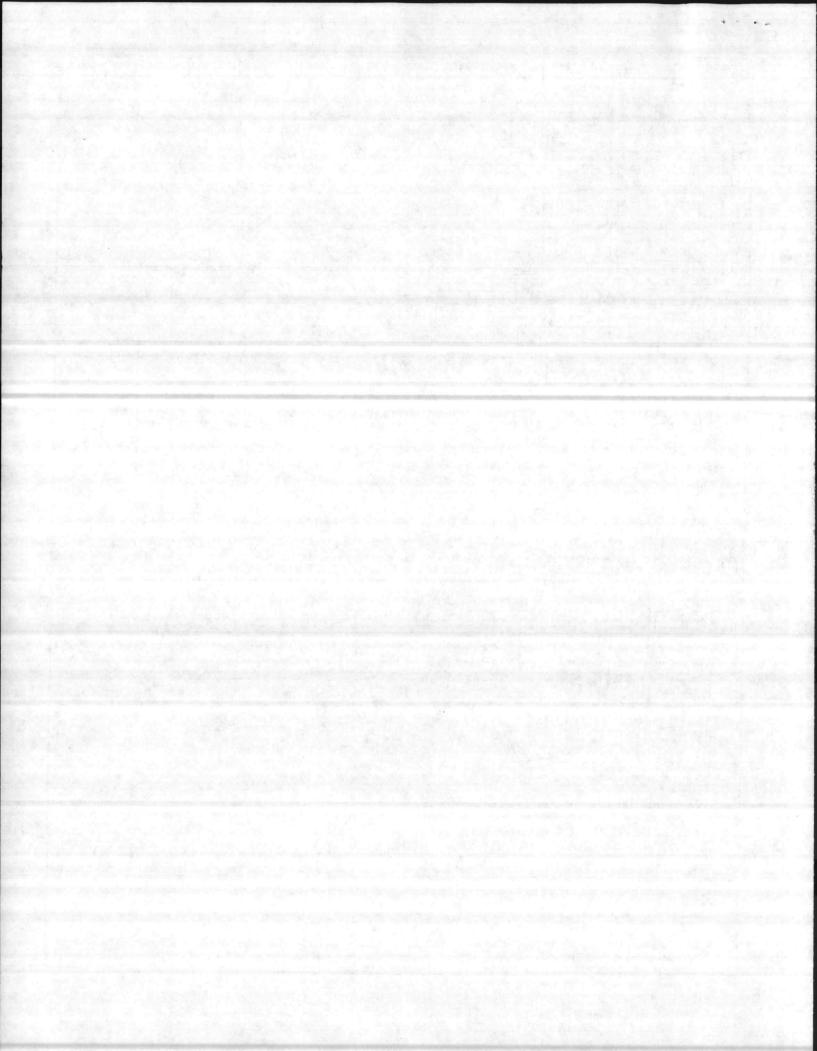
ACTIVITY UIC 67001

(4700)

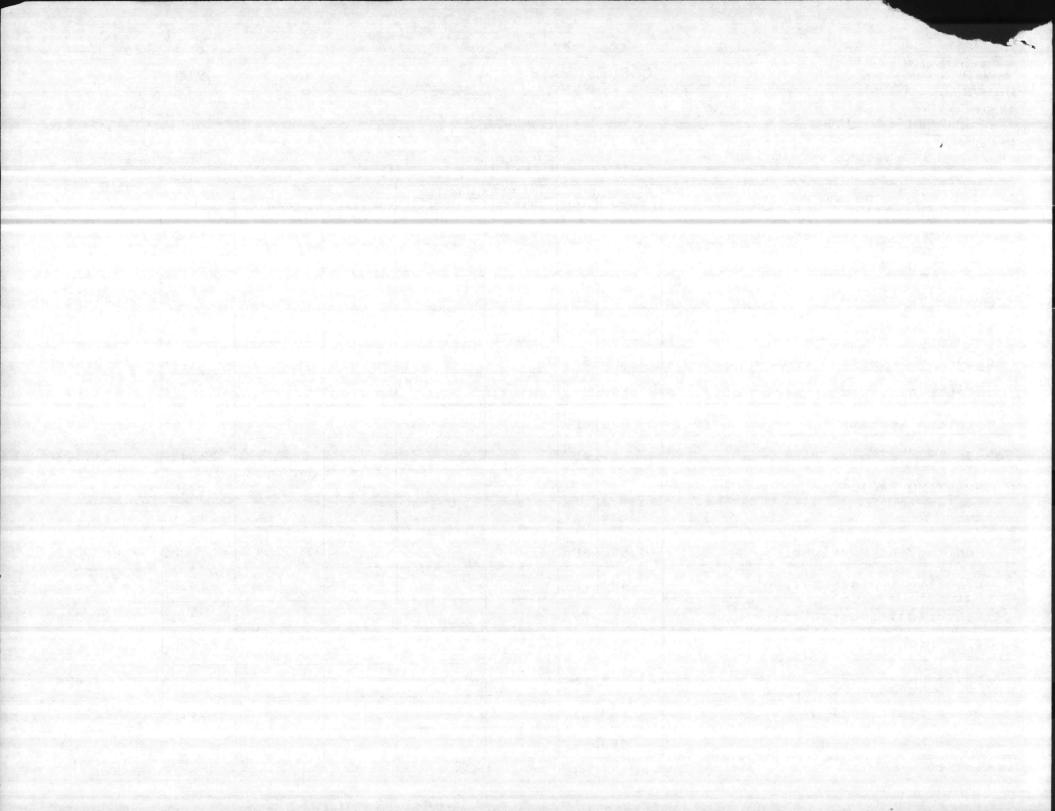
	FROM MARINE CORPS BASE, CAMP LEJEUNE, NO	ORTH CAROLINA 2	8542			
TER	CATEGORY CODE AND PROJECT TITLE		TYPE OF FU	INDING.	COST (\$000)	PROGRAM YEAR
A UES	441-12 STORAGE/USMC/GROUND ORGANIC		MCON		2,200	FY-92
SECTION A FOR USE BY REQUESTER	project description Provide storage & arm for 2nd LAV Bn, 2nd MARDIV of reinf w/masonry, parking area, security f & light., supporting util., tel. &	conc. Pers		contin	ue to use	substandard
OR	switch. equip. and site improvement		TED BY (Typed nam	e and signal	rure)	DATE
	TYPE OF MAP DATE		A	DIK	1/	AUG 2 3 1985
	SITE LOCATION MAP (encl (1))		. ELSTON	gu	ovon	T DESCRIPTION
	ANALY (Place a check () in box opposite each item.				DA	TE RECEIVED
	Y N NA PROJECT SITING CONSIDER	ATION	Y N NA	PRO.	JECT SITING CON	NSIDERATION
	a. COMPATIBLE WITH ACTIVITY PLANNED DEV	VELOPMENT GOALS	d.	COMPLIES	WITH THE FOLL	OWING CRITERIA:
	b. DEMONSTRATES SOUND PLANNING PRINCI	PLES		(1) AMM!	UNITION AND EX	PLOSIVES -
¥.	c. MEETS MINIMUM PLANNING AND SITING CF			(2) ELEC	TROMAGNETIC R	ADIATION
			V	(3) AIRFI	ELD SAFETY	
			1	(4) NOISE	INTENSITY	the second
				(5) FIRE	PROTECTION	No. 2
	COMPATIBLE WITH ACTIVITY MASTER PLAN (Check appropriate	SHOWN BUT CONSISTENT		*NOT SHO	WN AND INCONS	ISTENT
	DIFFERENT BUT CONSISTENT		🗆	*DIFFEREN	NT AND INCONSI	STENT
_	CRITERIA CERTIFICATION(S) REQUESTED (Check)	~			DA	TE
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	DATE CERTIFICATION(S) RECEIVED		The state of the s			
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SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE		LEX	NAVAIR		OTHER
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SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE REMARKS SITE APPROVED HQMC TABLE 1.8 OCT 1985		LEX	NAVAIR		OTHER
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SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE REMARKS SITE APPROVED HQMC TABLE 1.8 OCT 1985		LEX	NAVAIR		DTHER
SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE REMARKS SITE APPROVED HQMC TABLE 1.8 OCT 1985		LEX	NAVAIR		DTHER
SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE REMARKS SITE APPROVED HQMC TABLE 1.8 OCT 1985		LEX	NAVAIR		DTHER
SECTION B HOMC REVIEW AND ANALYSIS	ACTION DISAPPROVED DEFE REMARKS SITE APPROVED HQMC TABLE 1.8 OCT 1985		LEX	NAVAIR		DATE
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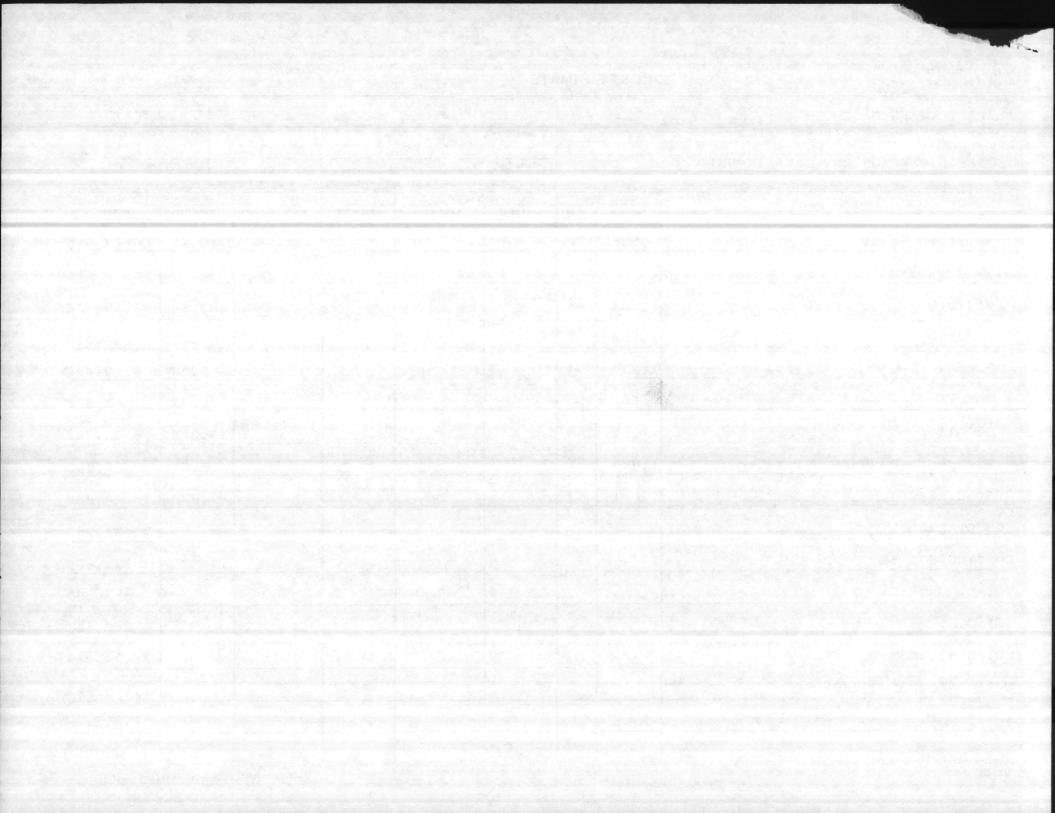




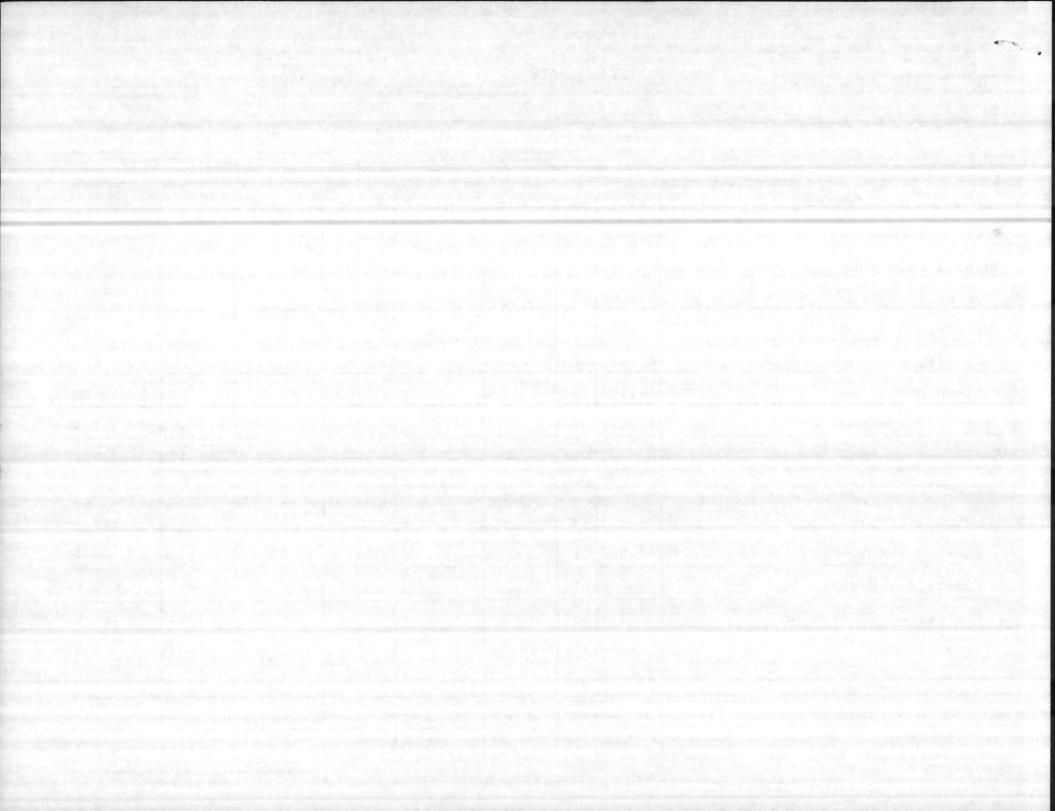
NAVFAC 11013/7 (1-78) Supermodes NAVDOCKS 2417 and 2417A	COST ESTIMATE 12 May 87						SHEET	1 OF 2	
ACTIVITY AND LOCATION MARINE CORPS BASE			CONSTRUCTION CONTRACT NO. IDENTIFICATION NUM P-859						
CAMP LEJEUNE, NC 28542			ESTIMATED BY	F.,W.	44	CODE NUMBER 1-12			
STORAGE/USMC/GROUND ORGANIC UNIT			STATUS OF DES		FINAL X	Other (Specify) Pro	ec JOB ORDER	JOB ORDER NUMBER	
ITEM DESCRIPTION	QUANT	UNIT	MATE UNIT COST	RIAL COST	UNIT COS	ABOR COST	ENGINEERIN UNIT COST	IG ESTIMATE TOTAL	
STORAGE FACILITIES .	43,560	SF					Aug 18	1,894,860	
BUILT IN EQUIPMENT:									
Sprinkler System	43,560	SF					.88	38,333	
Fire Alarm System	43,560	SF					.13	5,663	
Security Detection System	43,560	SF					.14	6,098	
Telephone System	43,560	SF			. Projection in second		.05	2,178	
Intercom System	43,560	SF					.08	3,485	
OMSI	1	LS					28,423	28,423	
SUPPORTING FACILITIES:									
HVAC	5	TN					2,533	12,665	
Heating and Ventilation	43,560	SF					1.00	43,560	
Electrical Distribution	400	LF		48.00			19.32	7,692	
Electrical Substation	150	KVA					73.37	11,006	
Area Lighting	2	EA					1,500	3,000	
Power	43,560	SF					. 40	17,424	
Water Distribution	120	LF					96.67	11,000	
Steam Distribution	600	LF'					124.15	74,490	



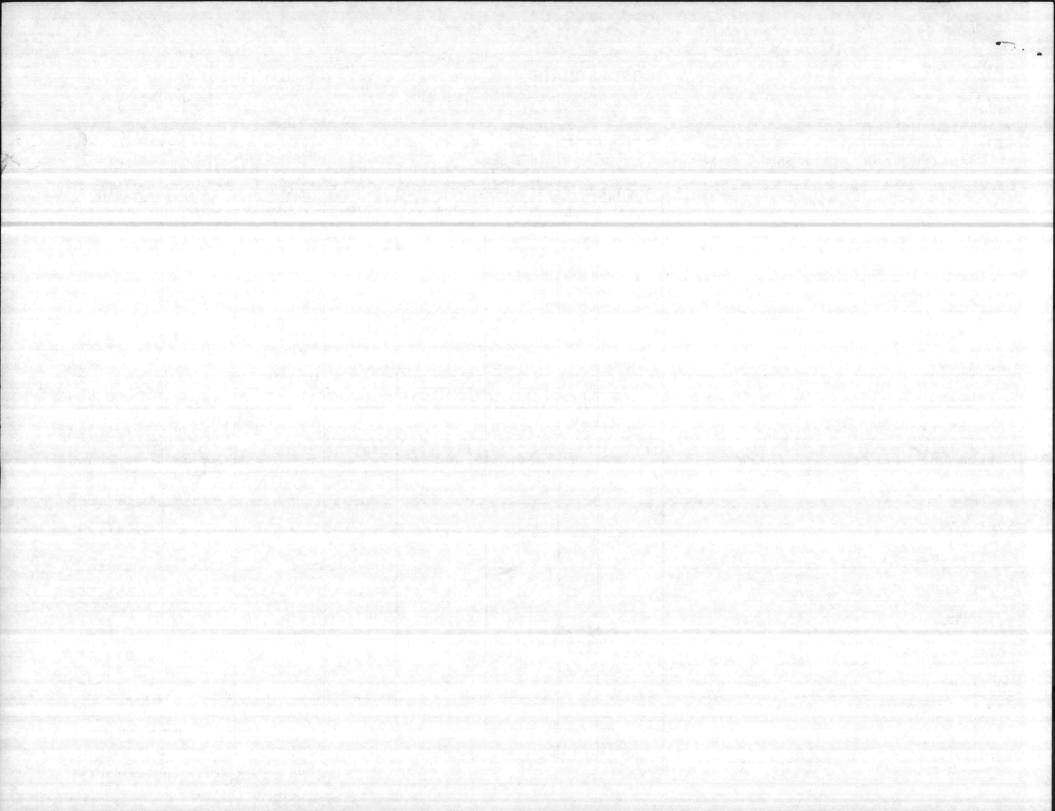
NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST	ESTIM	ATE		D	12 May 8	7 SHEET	2 OF 2	
ACTIVITY AND LOCATION MARINE CORPS BASE				CONTRACT NO.		CATION NUMBER P-859			
CAMP LEJEUNE, NC 28542		9-1	F. W. ESTES CATEGORY CODE NU						
STORAGE/USMC/GROUND ORGANIC	UNIT		STATUS OF DES	IGN 30% 100%	FINAL X	Other (Specify) Pro	ject JOB ORDE	JOB ORDER NUMBER	
ITEM DESCRIPTION	QUAN		MATERIAL COST			ABOR COST		ING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	
Ssnitary Sewer	1,500	LF					42.58	63,870	
SITE IMPROVEMENTS:			Past 1	NATE OF					
Storm Drainage	1,200	LF					83.13	99,756	
Clearing	1,500	CY			3 11 11 11		9.74	14,610	
Borrow	1,000	CY					9.00	9,000	
Fencing	600	LF				COMMITTED TO STATE OF THE STATE	16.47	9,882	
Demolition	1	EA					35,000	35,000	
Pavement, Roads and Parking	1,000	SY					20.00	20,000	
Loading Ramp	1	EA					20,000	20,000	
SUBTOTAL								2,431,995	
CONTINGENCY 5%								121,600	
TOTAL CONTRACT COST								2,553,595	
S.I.O.H.								140,448	
TOTAL REQUEST								2,694,043	
TOTAL REQUEST ROUNDED			TRUST COMP STREET		Alabaha ya			2,690,000	
						A second			



Supersedes NAVDOCKS 2417 and 2417A	COST	STIM	ATE			May 87	SHEET	SHEET 1 OF 2	
ACTIVITY AND LOCATION MARINE CORPS BASE				CONTRACT NO.	IDENTIFICA P-	IDENTIFICATION NUMBER P-859			
CAMP LEJEUNE, NC 28542			ESTIMATED BY	F., W. H	A CONTRACTOR OF THE PROPERTY O	CATEGORY CODE NUMBER 441-12			
STORAGE/USMC/GROUND ORGANIC UNIT			STATUS OF DES	IGN 30% 100% [FINAL X Other	(Specify) Pro			
ITEM DESCRIPTION	QUANT NUMBER	TY	MATE UNIT COST	RIAL COST TOTAL	LABC UNIT COST	OR COST TOTAL	ENGINEERIN UNIT COST	IG ESTIMATE TOTAL	
STORAGE FACILITIES .	43,560	SF					43.50	1,894,860	
BUILT IN EQUIPMENT:				THE OWN					
Sprinkler System	43,560	SF					.88	38,333	
Fire Alarm System	43,560	SF					.13	5,663	
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Telephone System	43,560	SF					.05	2,178	
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OMSI	1	LS					28,423	28,423	
SUPPORTING FACILITIES:									
HVAC	5	TN					2,533	12,665	
Heating and Ventilation	43,560	SF					1.00	43,560	
Electrical Distribution	400	LF				gang at the second seco	19.32	7,692	
Electrical Substation	150	KVA					73.37	11,006	
Area Lighting	2	EA					1,500	3,000	
Power	43,560	SF					.40	17,424	
Water Distribution	120	LF					96.67	11,000	
Steam Distribution	600	LF.					124.15	74,490	



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST	STIM	ATE		EPARED May 87	SHEET	2 OF 2			
ACTIVITY AND LOCATION MARINE CORPS BASE			CONSTRUCTION	CONTRACT NO		IDENTIFICATION NUMBER P-859				
CAMP LEJEUNE, NC 28542			ESTIMATED BY	F. W.	CATEGOR	CATEGORY CODE NUMBER 441-12				
STORAGE/USMC/GROUND ORGANIC UNIT	STORAGE/USMC/GROUND ORGANIC UNIT			GN 30% 100		FINAL X Other (Specify) Project			JOB ORDER NUMBER	
ITEM DESCRIPTION	QUANT	ITY	MATE UNIT COST	RIAL COST	UNIT	LABOR	COST	ENGINEER UNIT COST	TOTAL	
Ssnitary Sewer	1,500	LF	Application of					42.58	63,870	
SITE IMPROVEMENTS:										
Storm Drainage	1,200	LF						83.13	99,756	
Clearing	1,500	CY						9.74	14,610	
Borrow	1,000	CY						9.00	9,000	
Fencing	. 600	LF						16.47	9,882	
Demolition	1	EA						35,000	35,000	
Pavement, Roads and Parking	1,000	SY						20.00	20,000	
Loading Ramp	1.	EA	70					20,000	20,000	
SUBTOTAL									2,431,995	
CONTINGENCY 5%									121,600	
TOTAL CONTRACT COST		in the second							2,553,595	
S.I.O.H.									140,448	
TOTAL REQUEST									2,694,043	
TOTAL REQUEST ROUNDED									2,690,000	
		Mary								



1. COMPONENT
FY 19___MILITARY CONSTRUCTION PROJECT DATA

2. DATE

4. PROJECT DATA

4. PROJECT TITLE
STORAGE (OUT OF STORES
CAMP LETEUNE NC 28542

5. PROGRAM ELEMENT
6. CATEGORY CODE
7. PROJECT NUMBER
8. PROJECT COST (\$000)
441-12
P-359
2, GOST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST (\$000)
STORAGE/OUT OF STORES	5F	43,560		1979
Building	SF	43,540	43,50	
Built-tw-Equipment	LS	-	-	(54)
omsi	45	400	-	(28)
SUPPORTING FACILITIES!				453
utilities	LS	1 - L	-	(242)
Roads, Parking & Sidewalks	SY	1,000	20,00	(20)
Searity Fencing & Lighting	45	_	-84	(13)
site improvements	LS	_		(123)
Demolition	EA	1	35,000	(35)
Loading Ramp	145	807 - 128	-	(20)
OBTOTAL	_	-	_	2432
ONTINGENCY -5 %	_			122
OTAL CONTRACT COST			-	2554
1.0,H-5,5%	_		-	140
TOTALREQUEST	-	-	-	2694
OTAL REQUEST ROUNDED		-	-	2490
QUIPMENT PROVIDED FROM OTHER APPRO	PRIAMONS	-	NOW ADD	-

Construct a single-story masonry warehouse building supported on a pile foundation with a pile supported floor slab. Function of the building to include both private and open office spaces, mens and women toilet's with shower, high bay storage area, material handling equipment, parking and maintenance area; and a covered dock area with ramp. The office and support area to have a ventilation system and be air conditioned and heated. The warehouse is to have a minimum heating and ventilation system. The entire building to have fire alarm and sprinkler system including a dry pipe system for the covered dock area. Supporting facilities will include site improvements, utilities connection, security lighting and fencing, concrete and bituminous pavement on gravel subbase.

AIR CONDITIONING: 49 Tons

14/2525

4140 60 8

92,255 57,264 *11. REQUIREMENTS: 676,358 SF ADEQUATE: 549,670 SF SUBSTANDARD: 528,655 SF GARAGE STANDARD: 528,655 SF

PROJECT. Construct a permanent storage and armory facility for Light Armored Vehicle Battalions, 2d Marine Division.

REQUIREMENT. Provide a storage facility for organizational and mount-out equipment with proper security for weapons.

CURRENT SITUATION. The supply and armory facilities for the Light Armored Vechicle Battalions is inadequate with respect to capacity and configura-

tion of buildings.
IMPACT IF NOT PROVIDED. (tilization of existing inadequate facilities will impair supply/armory operations and consume excessive manhours.

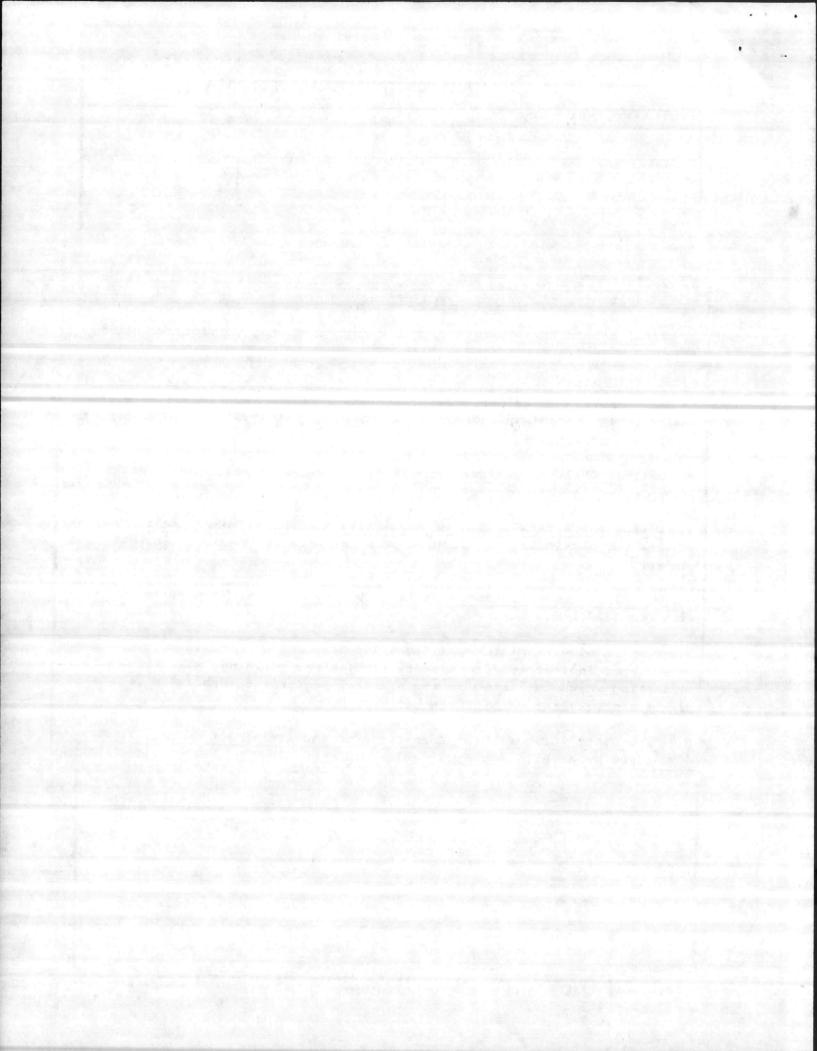
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A DESCRIPTION OF PROPOSED CONSTRUCTION

1. COMPONENT	FY 19MILITARY CONSTRUCT	ION PROJECT DATA	2. DATE
3. INSTALLATION	AND LOCATION	and the second second	
4. PROJECT TITLE		5. PRO	ECT NUMBER
	-		

SPECIAL CONSIDERATIONS

- 1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
- 2. <u>Flood Hazard Evaluation:</u> Rerquirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
- 3. Environmental Impact: The project Environmental Impact Assessment will be made, reviewed, and where required, the design concepts will be given consideration to eliminating adverse environmental effects consistent with applicable directives
- 4. Pallout 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 significant quality of American history.
- 8. "New Start" Criteria for Commerical or Industrial Activities Program
 (OMB Circular A-76): Not Applicable:



1. COMPONENT	FY 19MILITA	ARY CONSTRUCTION	PROJECT DAT	A 2. DATE
3. INSTALLATION	AND LOCATION	A Maria di Mariano di Maria	ACTION CONTRACTOR CONTRACTOR	
4. PROJECT TITLE			5.1	PROJECT NUMBER
				200

PACILITY STUDY

1. Projects Provide a permanent storage facility for each of the 200 Company 200 ESSC North

Current and Planned Future Workload with Regard to this Project:
 These storage facilities will be utilized on a full time basis and the duration of need for these facilities will be indefinite.

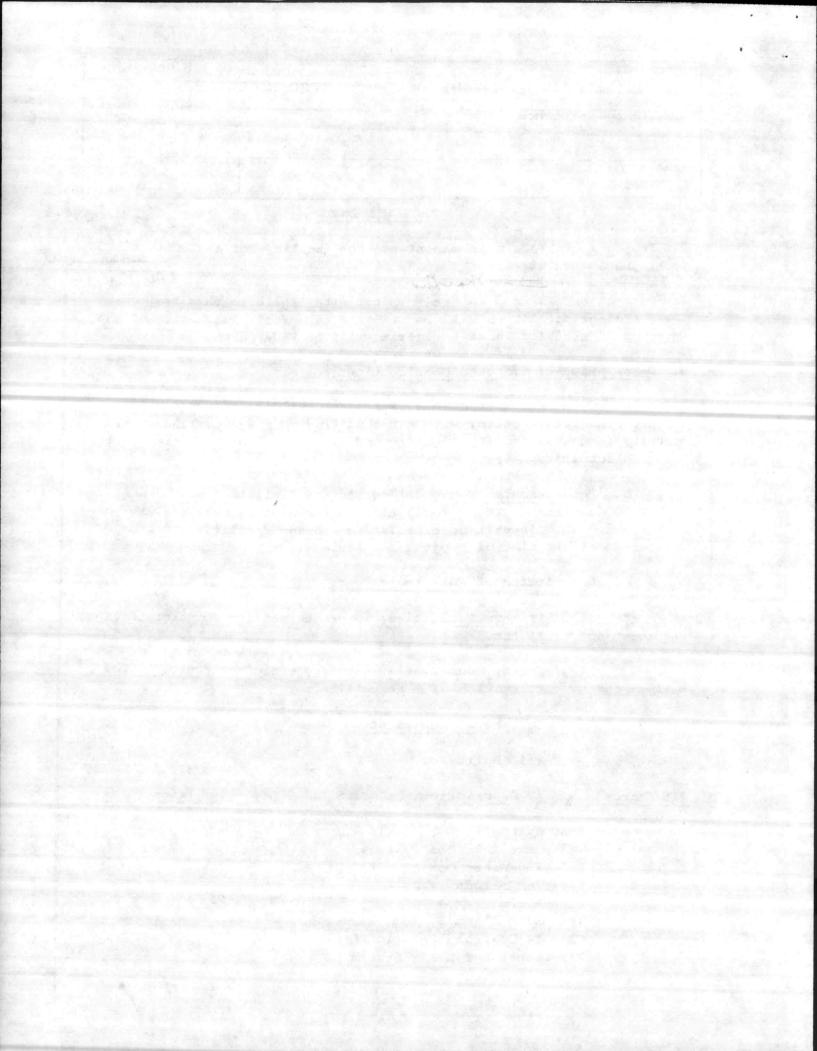
3. Description of Proposed Construction:

- a. Type of Construction: Permanent building of reinforced_
 masonry type construction, with air conditioning paved parking area,
 "security fencing, security lighting and all supporting utilities (water,
 sever, electricity, etc.).
- b. Replacement: The existing storage facilities may be utilized for other functions. Those facilities that cannot be utilized will be demolished. The disposition of existing storage facilities will be determined at the time of project submission.
 - c. Description of Work to be Done:
- (1) Primary Facilities: Storage Facility for organizational and mount-out equipment.
- (2) Energy Conservation: Energy efficient equipment for maximum energy conservation will be utilized.
 - (3) Collateral Equipment:
 - (a) Built-In:

PSN/Source Description

Oty Issue Price Total

HVAC System
Telephone Intercom Systems
Drinking Water Gooler
Veretian Blinds
Fire Alarm
Intrusion Alarm System
Climate Control (Dehumidifier)
Air Compressor & Air System



1. COMPONENT	FY 19MILIT	ARY CONSTI	RUCTIO	N PRO	JECT	DATA 2. DATE	
3. INSTALLATION	AND LOCATION						
							3.00
4. PROJECT TITLE						S. PROJECT NUMBER	
						Carlotte Committee Committee Committee	
				-			

b. Expense Items:

A collateral equipment list will be provided at a later date.

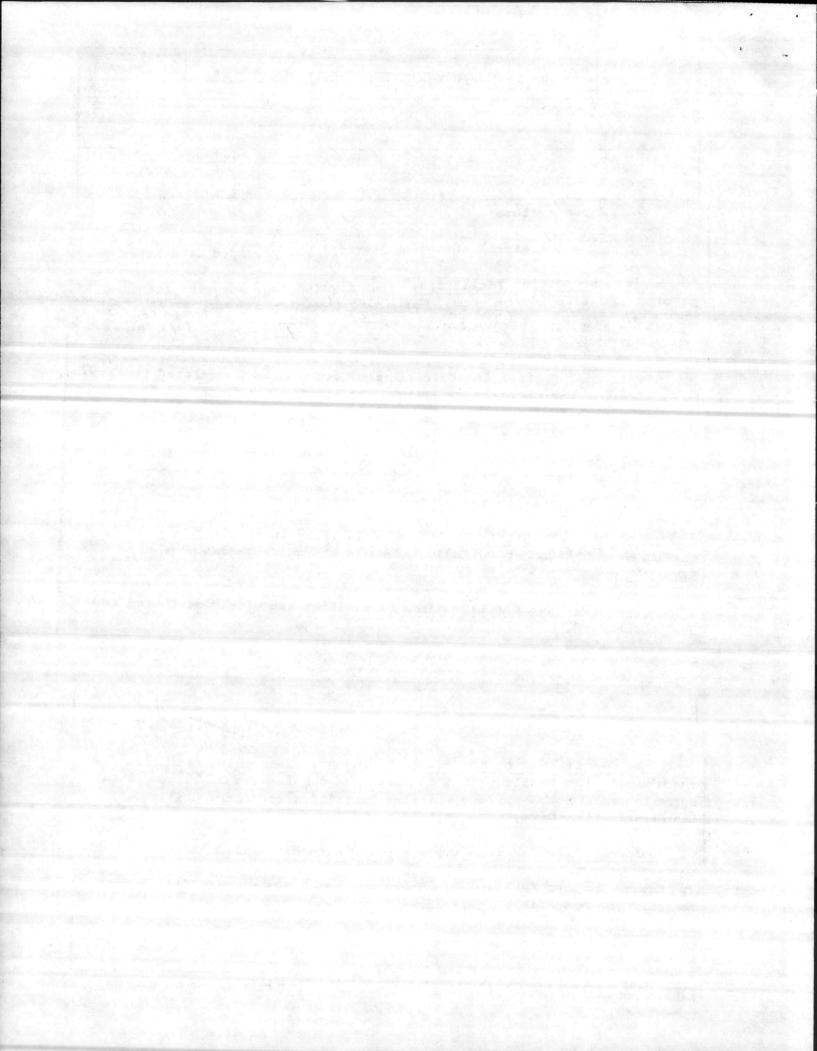
pavement and site improvments. Facilities that are scheduled to be domedished and some scheduled to be domedished as scheduled to be domedished to be dom

4. Cost Estimate: Area cost factor for Camp Lejeune is 0.95 NAVFAC DM-10 (May 1982), Cost Engineering Criteria and Cost Data and escalated to FY-92 to provide for the proposed facility. The contingency factor is 5% and the cost growth factor is computed at 10% per year with an estimated award date of January 1992.

5. Justification for Project and Scope of Projects

a. Justification for Project:

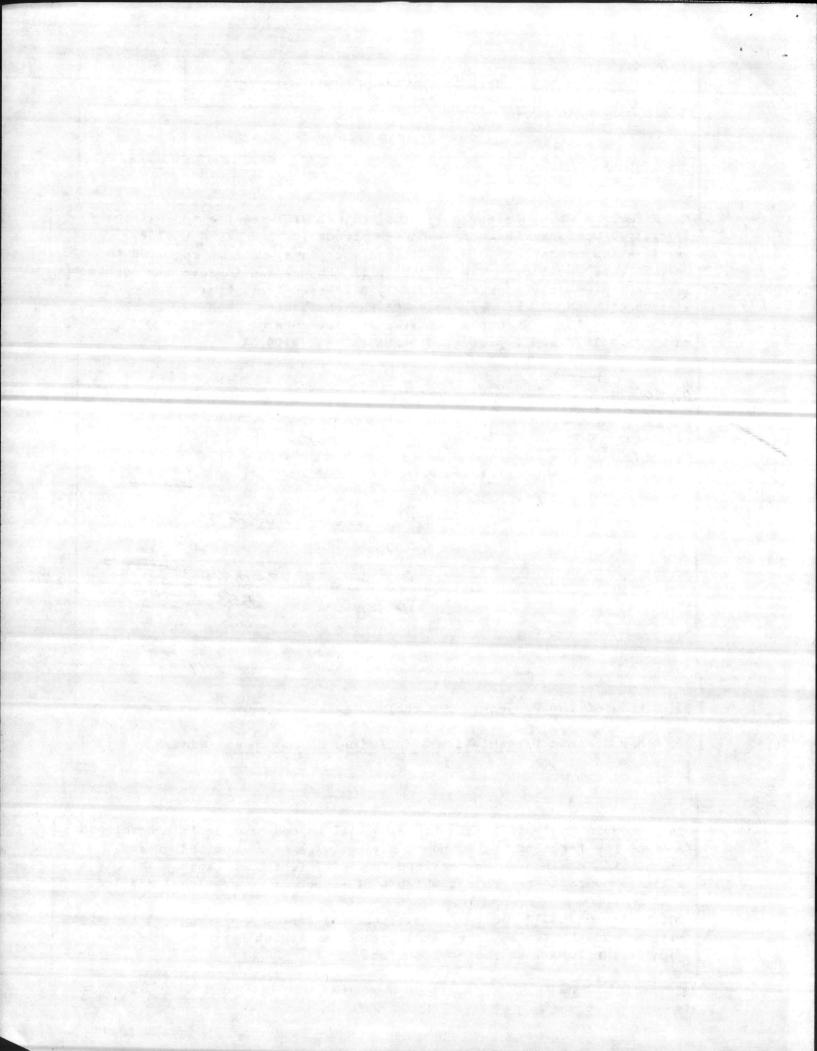
- the 2nd Complete Pattalion adequate storage.
- (2) Current Situation: Facilities are widely scattered and are substandard.
- (3) Impact if Not Provided: Personnel will continue to use substandard facilities in non-centralized work areas.
- b. Justification for Scope of Project: The project scope is for the minimum size facility that can meat the requirement of 24,350 SF of space to replace the various existing facilities currently utilized. See Quantitative Data, paragraph 13.
- Equipment Provided from Other Appropriations: N/A.
- 7. Common Support Pacilities: There are no common support facilities logistically compatible in the area.



1. COMPONENT	FY 19MILIT	ARY CONSTRUCTION	PROJECT DATA
3. INSTALLATION	AND LOCATION		
-			
4. PROJECT TITLE			5. PROJECT NUMBER
-			

10,465 11,352 8. Effect on Other Resources: The project will require approximately \$11,123.00 per year in increased OCHMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should 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.

- 9. Siting of the Project: See enclosure (1).
- 10. Other Graphic Presentations, including Photographs: None.
- 11. Economic Analysis: This facility will be constructed in a developed area of the Base and the economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project which must support an operational mission.
- 12. Environmental Impact: An Environmental Impact Assessment of the area will be made by the Environmental Impact Assessment Board to determine any significant impact on the environment.



COMPONENT	2. DATE
FY 19MILITARY CONSTRUCTION PROJECT DATA	
INSTALLATION AND LOCATION	
PROJECT TITLE	CT NUMBER
3. Quantitative Data:	
a. Unit of Heasures SQUARE FEET (EA) (DA)	
BFRL requirement (Hadnot Point Area (DA)) NAVFAC	p-80 states
set-thing drawings given in NAVFAC P-272, Part IV.	
PARTY 643.490	
b. Total Requirement: 643,495 SQUARE FRET	
The total requirement is 676,358 EP:	
c. Existing Substandard: 57,244	7
1 122 044 528	
I Existing I Nad square : 945,638 SQUARE FA	eer
92,255	
e. Existing Adequate: 91,35 SQUARE FRA	
f. Other Assets, Not in Inventory None. O SOUARE	
g. Funded, Not in Inventory: None. OSQUARK F.	EKT
56 65 acc <0.0405.56	et
h. Adequate Assets Ce+ Frg) 55/235	
i. Deficiency (b-h) . SSTICS SOUTHER FA	W.
• • • • • • • • • • • • • • • • • • • •	577300 S
Line (b) Total Requirement 649 255 676,358 5. Line (h) Adequate Assets 992,555 285,592 S.	· 52,73251
551, 235 551.235	SF 521,50
Total 320,766 S	524542
Maintenance Pacilities: N/A.	
Maintenance Pacilities: N/A.	
Morale, Welfare and Recreation Facilities: N/A.	



16. Relocation Facilities: N/A.

17. Storage Pacilities:

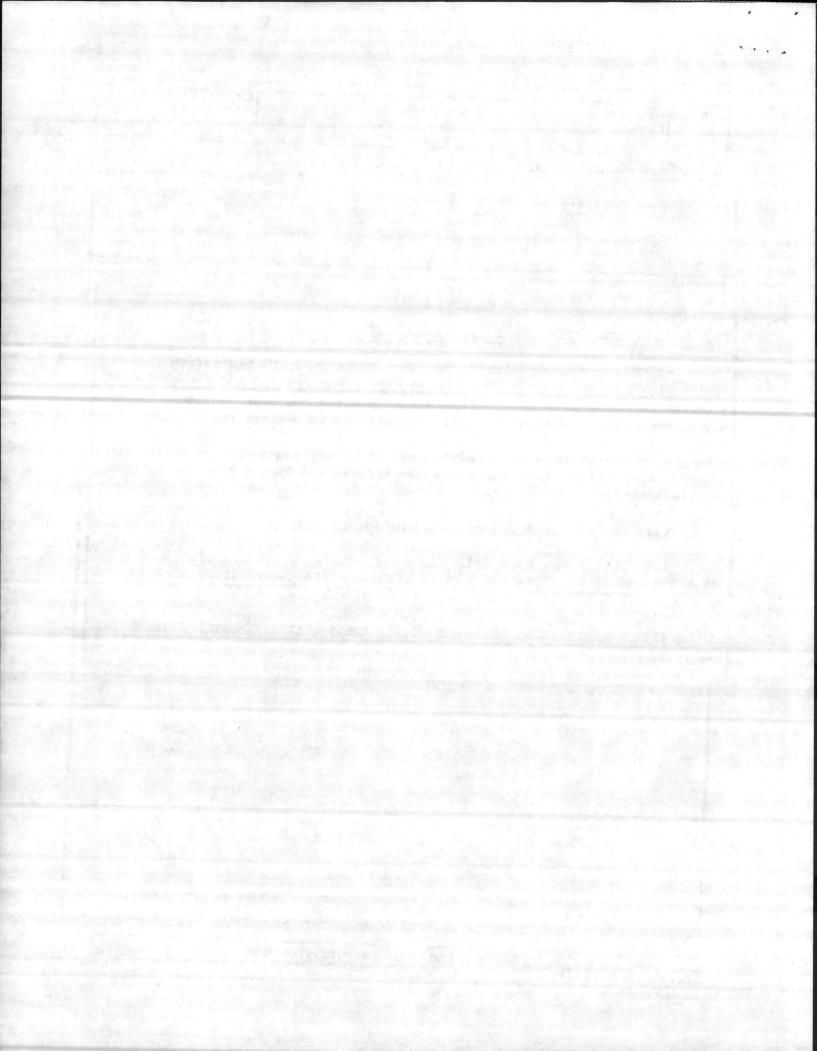
The storage requirements are in accordance with Section V of DOD Directive 4145.19.

18. Hazards Identification, Assessment and Analysis:

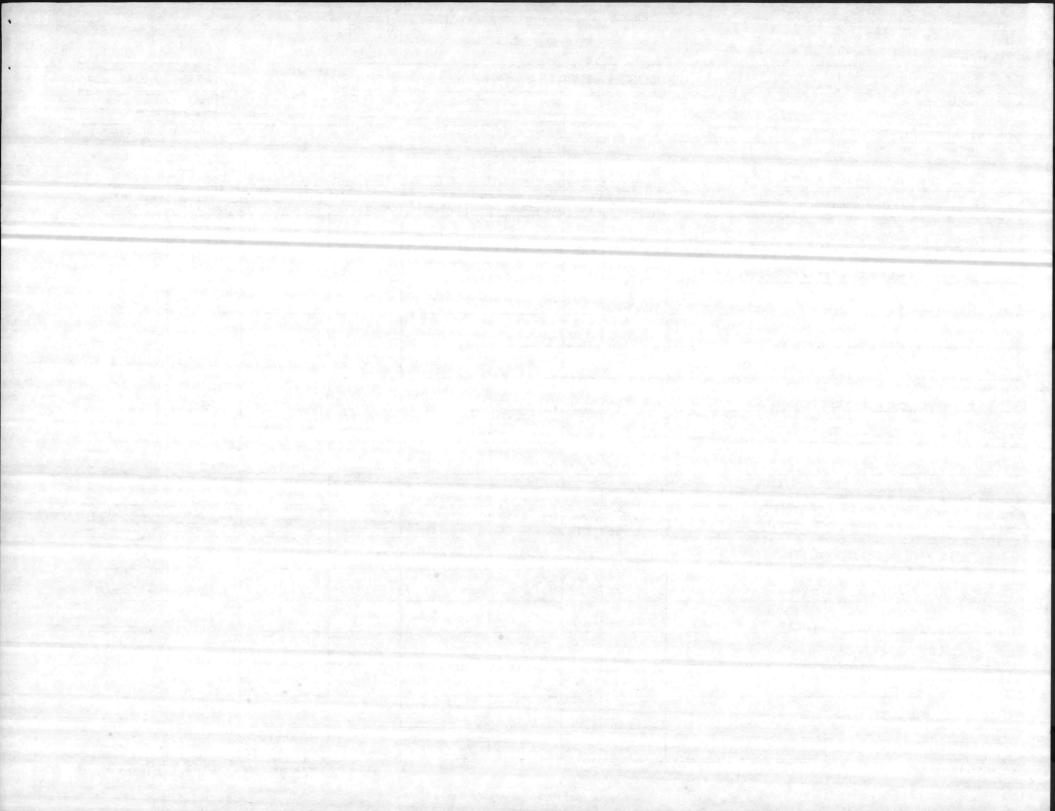
- a. In accordance with OPNAVINST 5100.24, Navy System Safety Engineering and Management, the system safety engineering and management programs shall be used to ensure that the highest possible degree of safety and occupational health will be designed into these facilities.
- b. Requirements for applying system safety engineering and management principles shall include the following documentation as applicable:
 - (1) A listing of primary hazards identified.
- (2) Risk assessment data to be determined by the assignment of a "Risk Assessment Code" as defined in enclosure (1) to OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) Program.
- (3) A Preliminary Hazard Analysis (PHA) will be submitted as required.



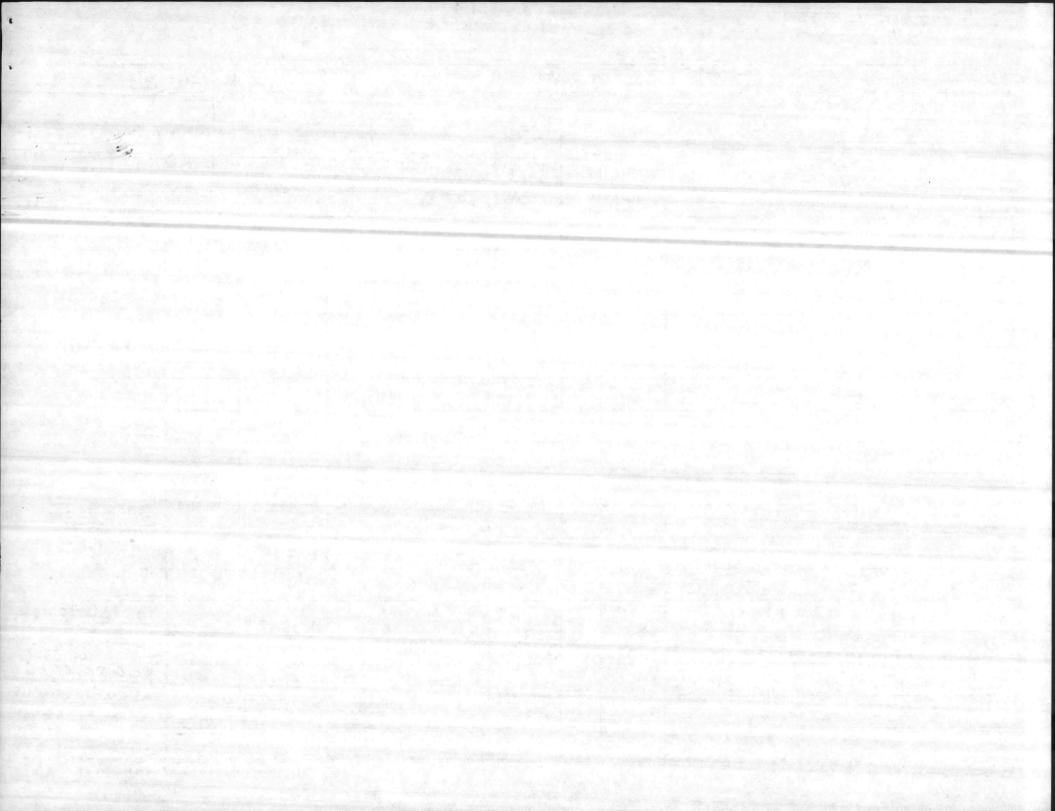
DD 1 DEC 76 1391C



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		COST ESTIMATE						SHEET	1 OF 2		
ACTIVITY AND LOCATION				CONSTRUCTION CONTRACT NO. IDENTIFICATION NUMBER							
MARINE CORPS B	ASE, CAMPLEJEC	INFE, NO	2	ESTIMATED BY	1. Estes		CATEGORY CODE NUMBER				
THOSE OF THE CONTRACTOR OF THE				STATUS OF DESIG	GN	/	PRA	100 OPDE	LOS ORDES MUMBER		
STORAGE/OUTO	r-stores (ZND	TANK	BN	PED 3		er (Specify) PRO					
ITEM DESCRIPTION		QUANT NUMBER	UNIT	UNIT COST	TOTAL	LABOR COST UNIT COST TOTAL		UNIT COST	NG ESTIMATE TOTAL		
STORAGE FAC	ILITIES	43,560	SE				1	#43.50	1,894,860		
BUILT-IN-EQ	i puent:										
Sprinkler So	ystem	43,560	SF					88	38,333		
Fire Alarm		43,360	SF					.13	5,663		
Security De	exection System	43,560	SF					.14	6,098		
Tolephone:	System	43,560	5,F			y a bridge		.05	2,178		
Intercom		43,560	SF					.08	3,485		
OMSI		= 1 ×	LS					28,423	28,423		
SUPPORTING FA	ACILITIES:							To Account	-//-		
HVAC TS	FONS)	43,560	TN					2533	12,665		
Heating & Ver	Hilation	43,560	SF					1,00	43,560		
Electrical	Distribution	400	LF					19.32 19. IX	7,692		
Electrical	Substation	150	KVA	-11				73, 37	11,006		
Area Light	Hing	2	EA					1,500	3,000		
Power	<u> </u>	43,560	SE					40	17,424		
Water Dis	tribution	120	LF					91.67	11,000		
Steam Dis	stribution	600	LF					124.15	74,490		



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		COST	STIM	DATE PREPARED				SHEET	SHEET Z OF Z	
ACTIVITY AND LOCATION	· 化加加油 (基础)。 · 化加油 (基础)。		486 B	CONSTRUCTION	CONTRACT NO.	IDENTIFICATION NUMBER				
PROJECT TITLE		N. Jan		ESTIMATED BY		CATEGORY	CODE NUMBER			
			S		STATUS OF DESIGN 100% FINAL		AL Other (Specify)		R NUMBER	
ITEM DESCRIP	TION	QUANT		MATERIAL COST			LABOR COST		ING ESTIMATE	
Sanitary S		1500	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	42.58	\$ 63,870	
SITE IMPROVEM	ents:									
Storm Drain		1200	LF					83.13	99,756	
Clearing	그리 있는 얼마나 맛있는 맛이 하고 있어요. 그는 그 나는 것이 그 그 것이 없는 것이 없는 것이 없다.	1500	CY					9.74	14610	
Borrow		1000	CY					9.00	900	
Fencing	The second se	600	LF	the A. Server		Market State of	takut primeranean	16.47	9.382	
Demoli+102		1	ZA					35,000	9,382	
Pavement: F	Roads & Parking	1000	SY					20.00	20,000	
Loading F		1	EA					20,000	20000	
SUBTOTAL	V						2,431,996		2,431,995 ·	
CONTINGENCY	(5%)			1			121 600		121,600.	
TOTAL CONTRA	ACT COST				k wastan in the A		2,553,595		2553,595. 2558,59Z	
S.I.O.H.							140,448		140,448	
TOTAL REQUE	ST						2694,043		2,694,04	
TOTALREDUE							2,690,000		2,699,316,00	
									r see see No. 129	



2. DATE 1. COMPONENT FY 19 92 MILITARY CONSTRUCTION PROJECT DATA MARINE CORPS 4. PROJECT TITLE 3. INSTALLATION AND LOCATION STORAGE/OUT OF STORES/ARMORY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542 7. PROJECT NUMBER 8. PROJECT COST (\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE P-859 2,200 P-511 500 441-12 9. COST ESTIMATES Escalated to FY-92 COST UNIT QUANTITY U/M ITEM COST (\$000) 43,560 48.06 2,951 1822 SF STORAGE/OUT OF STORES/ARMORY (1822) 61,400 SF 48.06 (2.951)Building 41.83 199 158 SUPPORTING FACILITIES LS (76)Site Improvements & Demolition LS (41) Pavements LS 20) Security Fencing and Lighting LS (62)(54)Utilities-electricity, water, sewer, etc. 1980 3,150 SUBTOTAL 157 CONTINGENCY-5% 2079 3,307 TOTAL CONTRACT COST 182 SUPERVISION, INSPECTION & OVERHEAD-5.5% 2,193 3,489 TOTAL REQUEST 2200 3,500 TOTAL REQUEST ROUNDED (Non-Add) EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS 10. DESCRIPTION OF PROPOSED CONSTRUCTION Construct a permanent storage facility of reinforced concrete with masonry type construction, air conditioning in administrative and weapons storage areas. Provide built-up roofing with insulation, fire protection, intrusion alarm system, wire mesh partitions, paved parking area, concrete aprons, security fencing, security lighting, telephones and telephone switching equipment, and all supporting utilities (water, sewer, electricity, etc.). *Demolition of buildings 1877, S-1821, 1815, and 1816 along with site improvements. IF Needed provements. *Additional demolition will be determined upon completion of pending survey. AIR CONDITIONING: 10 Tons *11. REQUIREMENTS: 676,358 SF ADEQUATE: 549,670 SF SUBSTANDARD: 528,655 SF INADEQUATE: 44,848 SF PROJECT. Construct a permanent storage and armory facility for Headquarters and Motor Transport Battalions, 2d Marine Division. REQUIREMENT. Provide a storage facility for organizational and mount-out equipment with proper security for weapons. the Light Armored CURRENT SITUATION. The supply and armory facilities for Headquarters and Motor Transport Battalions are inadequate with respect to capacity and configuration of buildings. These buildings were constructed during 1942. This is a semi-permanent facility (butler building) and is poorly furnished with regard to lighting, heating and ventilation. IMPACT IF NOT PROVIDED. Utilization of existing inadequate facilities will impair supply/armory operations and consume excessive manhours. *Requirement totals based on information provided from NAVMC 10651 of 25 April 1985.

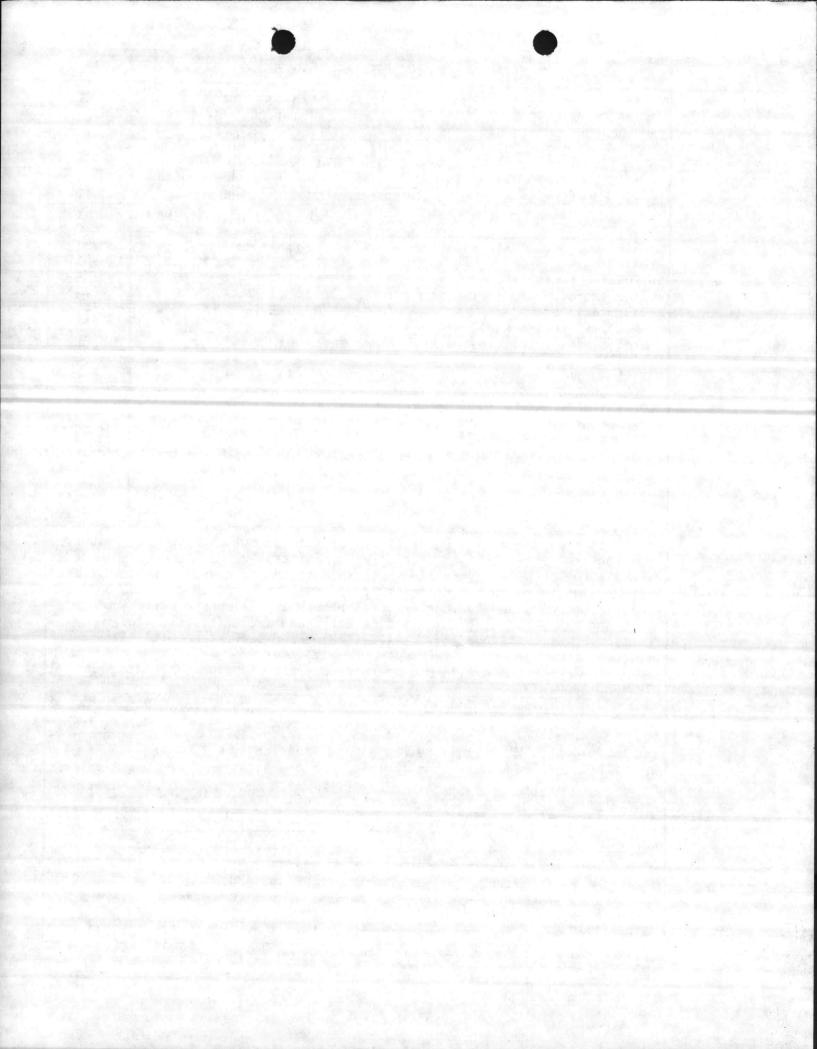
(58)

(27)

(19)

99

114



1. COMPONENT MARINE CORPS FY 19 92 MILITARY CONSTRUCTION PROJECT DATA						2. DATE	
the state of the s			4. PROJEC	ROJECT TITLE			
MARINE CORPS BASE							
CAMP LEJEUNE, NORT	H CAROLINA 28542	,	STORAG	E/QUI OF	STORES		
					JECT COST (\$000)		
	441-12	P-8	P-859		2,200		
Escalated to FY-92		OST ESTIMATE					
ITEM			U/M	QUANTITY	UNIT	COST (\$000)	
STORAGE/OUT OF STORES			SF	43,560	41.83	1,822	
Building			SF	43,560	41.83	(1,822)	
SUPPORTING FACILITIES					-	158	
Site Improvements & Demolition			LS	-	-	(58)	
Pavements			LS	3	-	(27)	
Security Fencing and Lighting			LS	-64-6		(19)	
Utilities-electricity, water, sewer, etc.			LS	-		(54)	
SUBTOTAL			-	-	- 4	1,980	
CONTINGENCY-5%			-		-1	=99	
TOTAL CONTRACT COST				- TE		2,079	
SUPERVISION, INSPECTION & OVERHEAD-5.5%			-	- 11	7.	114	
TOTAL REQUEST				the state of the state of		2,193	
TOTAL REQUEST ROUNDED				100		2,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS			5 -		non-add) -	
					7 10 10 10 10 10 10 10 10 10 10 10 10 10		

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Construct a permanent storage facility of reinforced concrete with masonry type construction, air conditioning in administrative and weapons storage areas. Provide built-up roofing with insulation, fire protection, intrusion alarm system, wire mesh partitions, paved parking areas, concrete aprons, security fencing, security lighting, telephones and telephone switching equipment, and all supporting utilities (water, sewer, electricity, etc).
*Demolition of Building S-1840 along with site improvements.

*Additional demolition will be determined if needed upon completion of pending survey.

AIR CONDITIONING: 5 Tons

*11. REQUIREMENTS: 676,358 SF ADEQUATE: 549,670 SF SUBSTANDARD: 528,655 SF INADEQUATE: 44,848 SF

PROJECT. Construct a permanent storage and armory facility for Light Armored Vehicle Battalions, 2d Marine Division.

REQUIREMENT. Provide a storage facility for organizational and mount-out equipment with proper security for weapons.

CURRENT SITUATION. The supply and armory facilities for the Light Armored Vechicle Battalions is inadequate with respect to capacity and configuration of buildings.

IMPACT IF NOT PROVIDED. (tilization of existing inadequate facilities will impair supply/armory operations and consume excessive manhours.
*Requirement totals based on information provided from NAVMC 10651 of

25 April 1985.

