

### COST ESTIMATE

DATE PREPARED  
12 May 87

SHEET 1 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. ESTES  
STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

IDENTIFICATION NUMBER  
P-859  
CATEGORY CODE NUMBER  
441-12  
JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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	11,006
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

Item	Quantity	Unit Price	Total Price
Area Lighting	200	12.18	24,400
Power	11,000	1.34	14,750
Area Distribution	1,500	1.00	1,500
Electrical Distribution	1,500	1.00	1,500
Heating and Ventilation	43,500	0.34	14,800
Supporting Facilities	23,450	0.34	7,970
Intercom System	43,500	0.34	14,800
Telephone System	43,500	0.34	14,800
Security Detection System	43,500	0.34	14,800
Fire Alarm System	43,500	0.34	14,800
Sprinkler System	43,500	0.34	14,800
AC UNIT	13,500	1.88	25,380
LABOR	13,500	1.88	25,380
Material	13,500	1.88	25,380
Subtotal			133,800
Contingency			13,380
Grand Total			147,180

**COST ESTIMATE**

DATE PREPARED  
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. ESTES

STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

IDENTIFICATION NUMBER  
P-859

CATEGORY CODE NUMBER  
441-12

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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					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

Item	Quantity	Unit Price	Total Price
Demolition	1 E	35,000	35,000
Excavating	1 E	14,810	14,810
Backfill	1 E	9,710	9,710
Site Improvement	1 E	3,150	3,150
Sanitary Sewer	1 E	2,210	2,210
Boarding	1 E	28,000	28,000
Removal of existing	1 E	22,500	22,500
Subtotal			151,380
Contingency 5%			7,569
Total Impact Cost			158,949
Total Request			158,949

REQUEST FOR PROJECT SITE APPROVAL

NAVMC 11069 (11-80)  
SN 0000-00-006-7880 U/1 PADS OF 50

PROJECT NUMBER  
P-859

ACTIVITY UIC  
67001

TO COMMANDANT OF THE MARINE CORPS (CODE LFF-1)

(4700)

SECTION A  
FOR USE BY REQUESTER

FROM  
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

CATEGORY CODE AND PROJECT TITLE 441-12 STORAGE/USMC/GROUND ORGANIC UNIT	TYPE OF FUNDING MCON	COST (\$000) 2,200	PROGRAM YEAR FY-92
PROJECT DESCRIPTION Provide storage & armory fac. for 2nd LAV Bn, 2nd MARDIV of reinf. conc. w/masonry, parking area, security fencing & light., supporting util., tel. & tel. switch. equip. and site improvements.	REMARKS Personnel will continue to use substandard facilities		
TYPE OF MAP SITE LOCATION MAP (encl (1))	DATE	REQUESTED BY (Typed name and signature) B. W. ELSTON <i>B. W. Elston</i>	DATE AUG 23 1985

SECTION B  
HQMC REVIEW AND ANALYSIS

ANALYSIS By direction DATE RECEIVED

(Place a check (✓) in box opposite each item. Y = Yes; N = No; NA = Not Applicable)

Y	N	NA	PROJECT SITING CONSIDERATION	Y	N	NA	PROJECT SITING CONSIDERATION
✓			a. COMPATIBLE WITH ACTIVITY PLANNED DEVELOPMENT GOALS				d. COMPLIES WITH THE FOLLOWING CRITERIA:
✓			b. DEMONSTRATES SOUND PLANNING PRINCIPLES			✓	(1) AMMUNITION AND EXPLOSIVES
✓			c. MEETS MINIMUM PLANNING AND SITING CRITERIA			✓	(2) ELECTROMAGNETIC RADIATION
						✓	(3) AIRFIELD SAFETY
						✓	(4) NOISE INTENSITY
				✓			(5) FIRE PROTECTION

COMPATIBLE WITH ACTIVITY MASTER PLAN (Check appropriate box)

IDENTICAL  
 DIFFERENT BUT CONSISTENT  
 NOT SHOWN BUT CONSISTENT  
 \*NOT SHOWN AND INCONSISTENT  
 \*DIFFERENT AND INCONSISTENT

CRITERIA CERTIFICATION(S) REQUESTED (Check)

DDESB  CNO  NAVSEA  NAVELEX  NAVAIR  OTHER:

DATE CERTIFICATION(S) RECEIVED

DDESB  CNO  NAVSEA  NAVELEX  NAVAIR  OTHER

ACTION

APPROVED  DISAPPROVED  DEFERRED

REMARKS

SITE APPROVED

HQMC

DATE 18 OCT 1985

BY *K. Sisson*

APPROVING OFFICIAL (Typed name and signature)

*K. Sisson*

By direction

DATE  
21 OCT 1985

\*Requires approval of a major change to the master plan prior to site approval.

TORONTO, CANADA

1. COMPONENT NAVY	FY 19 <sup>94</sup> 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	
<p style="text-align: center;">FACILITY STUDY</p> <p>1. <u>Project:</u> Provide a permanent storage facility for the Light Armored Vehicle Battalion of the 2d Marine Division.</p> <p>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.</p> <p>3. <u>Description of Proposed Construction:</u></p> <p style="padding-left: 40px;">a. <u>Type of Construction:</u> 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.).</p> <p style="padding-left: 40px;">b. <u>Replacement:</u> 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.</p> <p style="padding-left: 40px;">c. <u>Description of Work to be Done:</u></p> <p style="padding-left: 80px;">(1) <u>Primary Facilities:</u> Storage Facility for organizational and mount-out equipment.</p> <p style="padding-left: 80px;">(2) <u>Energy Conservation:</u> Energy efficient equipment for maximum energy conservation will be utilized.</p> <p style="padding-left: 80px;">(3) <u>Collateral Equipment:</u> A list will be furnished under separate cover.</p> <p style="padding-left: 80px;">(4) <u>Supporting Facilities:</u> Security fencing, security lighting, pavement and site improvements. Facility scheduled for demolition is as follows:</p> <p style="padding-left: 120px;">Building No.: S-1840 Date of Construction: 1952 Type of Construction: "S" Size: 2 Use: 123-10 Present Condition: Inadequate</p>		

FACILITY STUDY

I. Project: Provide a permanent storage facility for the...  
A. A total of 100,000 cubic feet of storage capacity is required.

The facility shall be designed to meet the following requirements:  
1. The facility shall be located in an area that is not subject to flooding.

2. The facility shall be designed to meet the following requirements:  
a. The facility shall be designed to meet the following requirements:

(i) Primary facilities: Storage facilities for...  
operational and maintenance equipment.

(ii) Secondary facilities: Storage facilities for...  
for maintenance equipment conservation will be utilized.

(iii) Tertiary facilities: A list of all...  
under separate cover.

(iv) The facility shall be designed to meet the following requirements:  
The facility shall be designed to meet the following requirements:

(v) The facility shall be designed to meet the following requirements:  
The facility shall be designed to meet the following requirements:

(vi) The facility shall be designed to meet the following requirements:  
The facility shall be designed to meet the following requirements:

1. COMPONENT NAVY	FY 19 <sup>94</sup> 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
<p>4. <u>Cost Estimate:</u> 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 .</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> The proposed facility is required to provide the 2nd Supply Battalion adequate storage.</p> <p>(2) <u>Current Situation:</u> Facilities are widely scattered and are substandard.</p> <p>(3) <u>Impact if not Provided:</u> Personnel will continue to use substandard facilities in non-centralized work areas.</p> <p>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.</p> <p>6. <u>Equipment Provided from other Appropriations:</u> Not applicable.</p> <p>7. <u>Common Support Facilities:</u> There are no common support facilities logistically compatible in the area.</p> <p>8. <u>Effect on Other Resources:</u> The project will require approximately \$17,352 per year in increased O&amp;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.</p>		

Cost Estimate: A cost estimate for the proposed facility is \$1.85 million. This estimate is based on the current market prices for materials and labor. The estimate includes the cost of construction, equipment, and contingencies. The estimate is subject to change based on the final design and the availability of materials and labor.

5. Justification for Project and Scope of Project

(1) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(2) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(3) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(4) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(5) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(6) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(7) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.

(8) The proposed facility is required to provide the following services: (a) Provide a secure and reliable communication system for the command and control of the fleet. (b) Provide a secure and reliable data link for the fleet. (c) Provide a secure and reliable command and control system for the fleet.



Electricity O&M cost: \$11.5  
Steam O&M cost: 5.708  
Total O&M cost: \$17.208

UTILITY REQUIREMENTS

Electricity: 154,490 kWh/yr  
Peak Demand: 38 kW  
Steam: 10,000 lbs/yr

Coal: 2,480,000 lbs/yr  
Cost: \$52.00/ton

Water: 111,000 gpd

9.2.2.1. The Project: see enclosure (1)

10. Dept. of Atomic Energy, including Physics Dept. Home

11. Economic Analysis: This facility will be constructed in a levelled area of the base and the economic savings will be in normal 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 the significant impact on the environment.

13. Quantitative Data:

a. Utility Requirements: see above

BRAC report (Bacon Point (BN)) DAVMAC 9-88 states that the requirement for this category code is 1.25 lbs/yr. For the relative given in DAVMAC 9-88, Part IV.

b. Total Requirements: 213,191.88

c. Existing Inventory: 37,000

d. Existing Inventory: 115,191.88

1. COMPONENT NAVY	FY 19 <sup>94</sup> 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
<p>13. <u>Quantitative Data (cont'd):</u></p> <p>e. <u>Existing Adequate:</u> 92,255 SF</p> <p>f. <u>Other Assets, Not in Inventory:</u> 0 SF</p> <p>g. <u>Funded, Not in Inventory:</u> 0 SF</p> <p>h. <u>Adequate Assets:</u> (e + f + g) = 92,255 SF</p> <p>i. <u>Deficiency:</u> (b - h) = 551,235 SF</p> <p style="padding-left: 40px;">Line (b) Total Requirement 649,490 SF Line (h) Adequate Assets 92,255 SF</p> <p>14. <u>Maintenance Facilities:</u> Not applicable.</p> <p>15. <u>Morale, Welfare and Recreation Facilities:</u> Not applicable.</p> <p>16. <u>Relocation Facilities:</u> Not applicable.</p> <p>17. <u>Storage Facilities:</u> The storage requirements are in accordance with Section V of DOD Directive 4145.19.</p> <p>18. <u>Hazards Identification, Assessment and Analysis:</u></p> <p>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.</p> <p>b. Requirements for applying system safety engineering and management principles shall include the following documentation as applicable:</p> <p style="padding-left: 40px;">(1) A listing of primary hazards identified.</p> <p style="padding-left: 40px;">(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.</p> <p style="padding-left: 40px;">(3) A Preliminary Hazard Analysis (PHA) will be submitted as required.</p>		

11. Qualitative Data (cont'd):

11.1. Staffing - 92,252 SF

11.2. Facilities - 92,252 SF

11.3. Equipment - 92,252 SF

11.4. Materials - 92,252 SF

11.5. Utilities - 92,252 SF

11.6. Other - 92,252 SF

11.7. Total - 92,252 SF

12. Qualitative Data (cont'd):

12.1. Staffing - 92,252 SF

12.2. Facilities - 92,252 SF

12.3. Equipment - 92,252 SF

12.4. Materials - 92,252 SF

12.5. Utilities - 92,252 SF

12.6. Other - 92,252 SF

12.7. Total - 92,252 SF

13. Qualitative Data (cont'd):

13.1. Staffing - 92,252 SF

13.2. Facilities - 92,252 SF

13.3. Equipment - 92,252 SF

13.4. Materials - 92,252 SF

13.5. Utilities - 92,252 SF

13.6. Other - 92,252 SF

13.7. Total - 92,252 SF

14. Qualitative Data (cont'd):

14.1. Staffing - 92,252 SF

14.2. Facilities - 92,252 SF

1. COMPONENT NAVY		FY 19 <u>92</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542			4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT		
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
		441-12	P-859	2,690	

**9. COST ESTIMATES**

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STORAGE/USMC/GROUND ORGANIC UNIT	SF	43,560	-	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	20.00	( 20)
SECURITY FENCING & LIGHTING	LS	-	-	( 13)
SITE IMPROVEMENTS	LS	-	-	( 123)
DEMOLITION	EA	1	35,000	( 35)
LOADING RAMP	LS	-	-	( 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				2,690
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS (NON-ADD)				

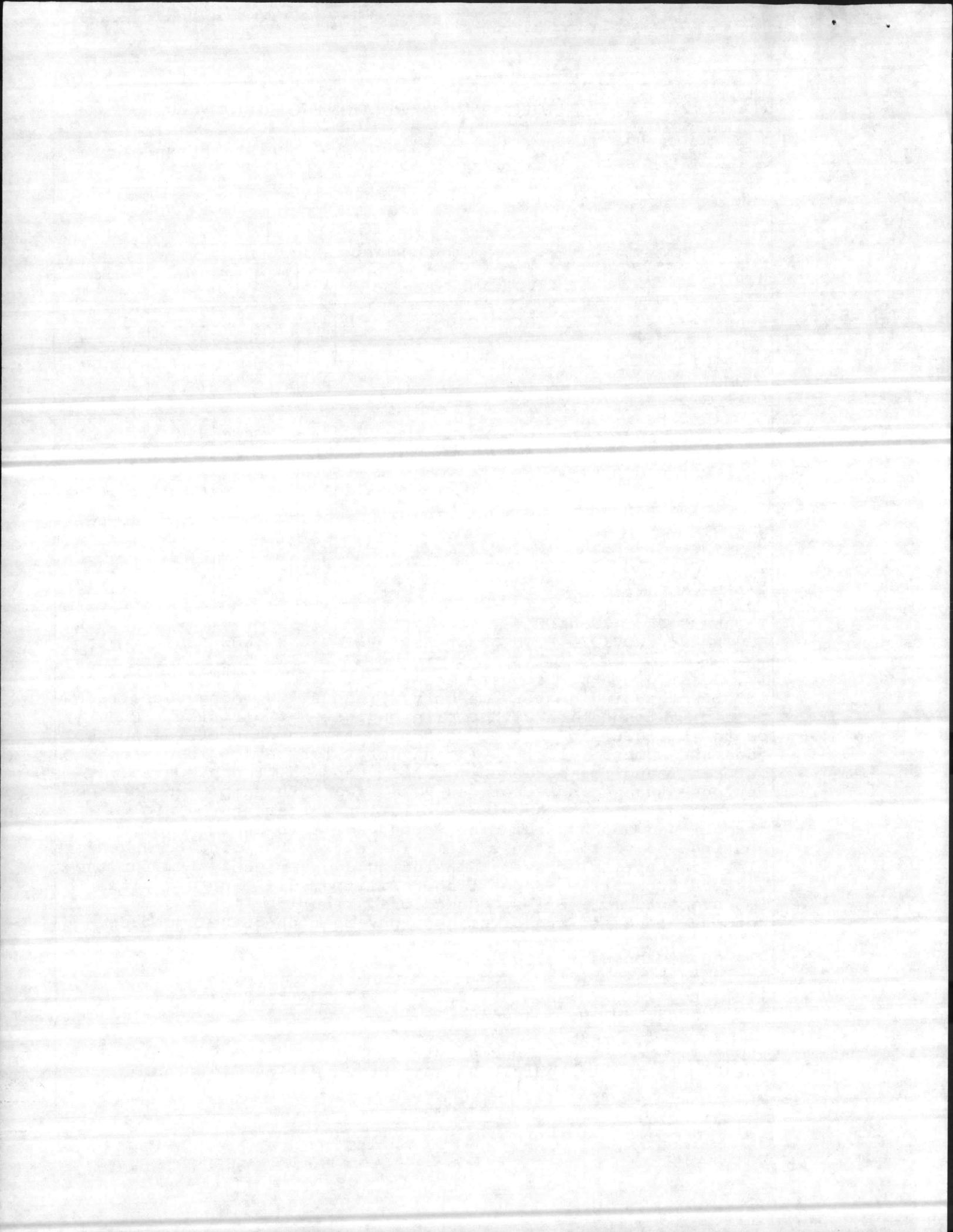
**10. Description of Proposed Construction:**

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.

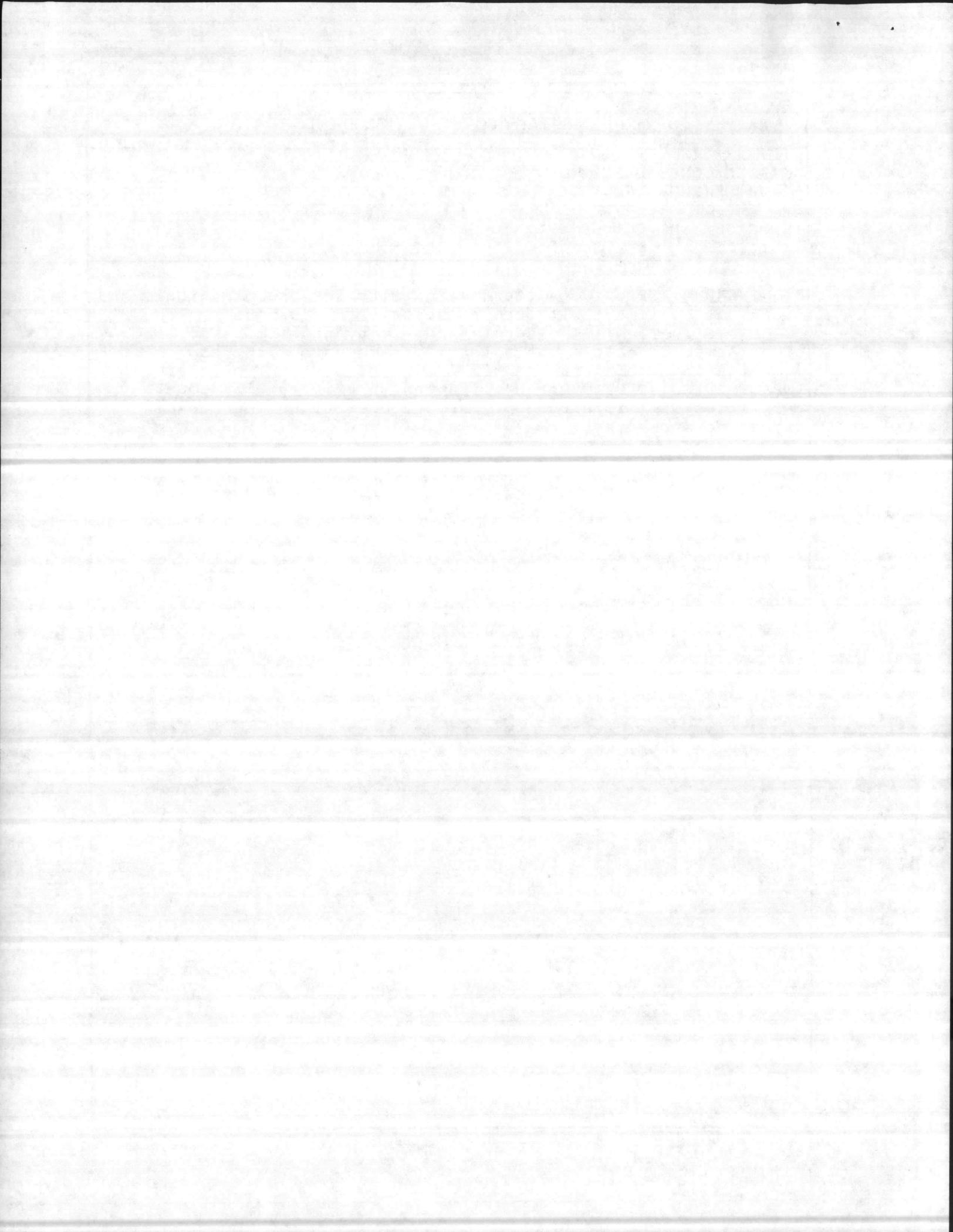
AIR CONDITIONING: 5 TONS

11. REQUIREMENTS: 643,490 SF                      ADEQUATE: 92,255 SF  
SUBSTANDARD: 57,264 SF

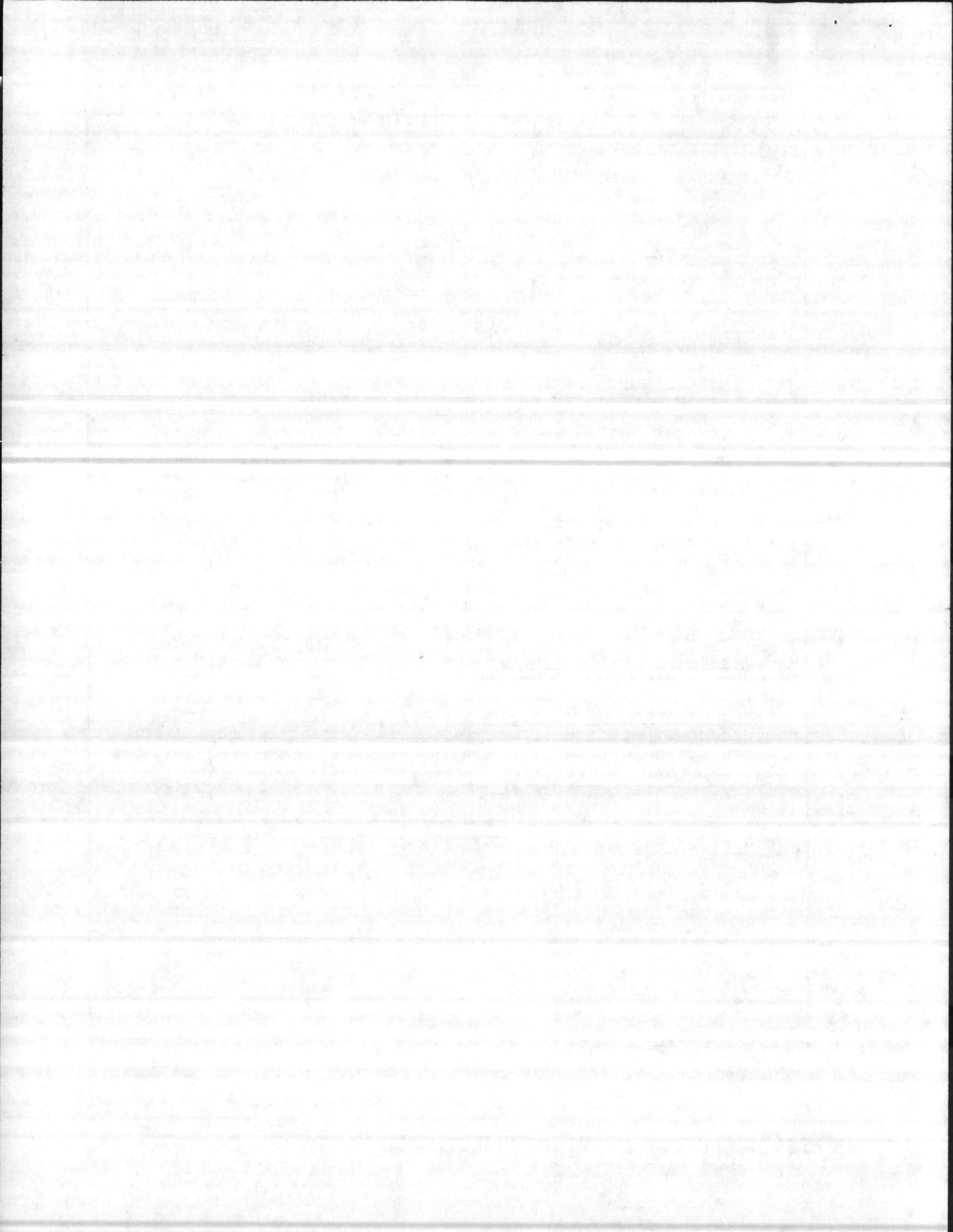
PROJECT: Construct a permanent storage and armory facility for the Light Armored Vehicle Battalion, 2d Marine Division.



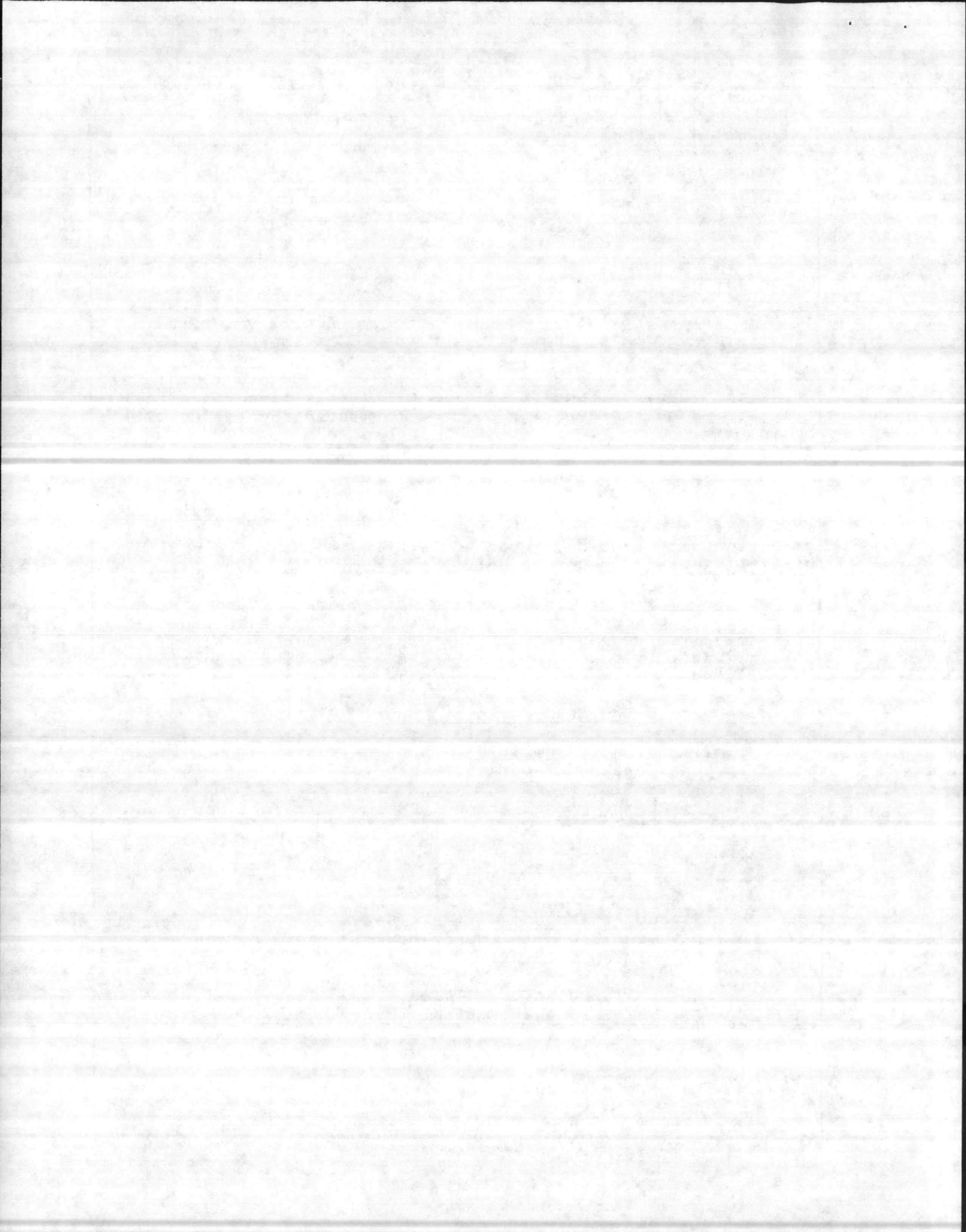
1. COMPONENT NAVY	FY 19 <sup>92</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		
4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNITS	5. PROJECT NUMBER P-859	
<p><u>REQUIREMENT:</u> Provide a storage facility for organizational and mount-out equipment with proper security for weapons.</p> <p><u>CURRENT SITUATION:</u> The supply and armory facilities for the Light Armored Vehicle Battalion is inadequate with respect to capacity and configuration of buildings.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Utilization of existing inadequate facilities will impair supply/armory operations and consume excessive man-hours.</p>		



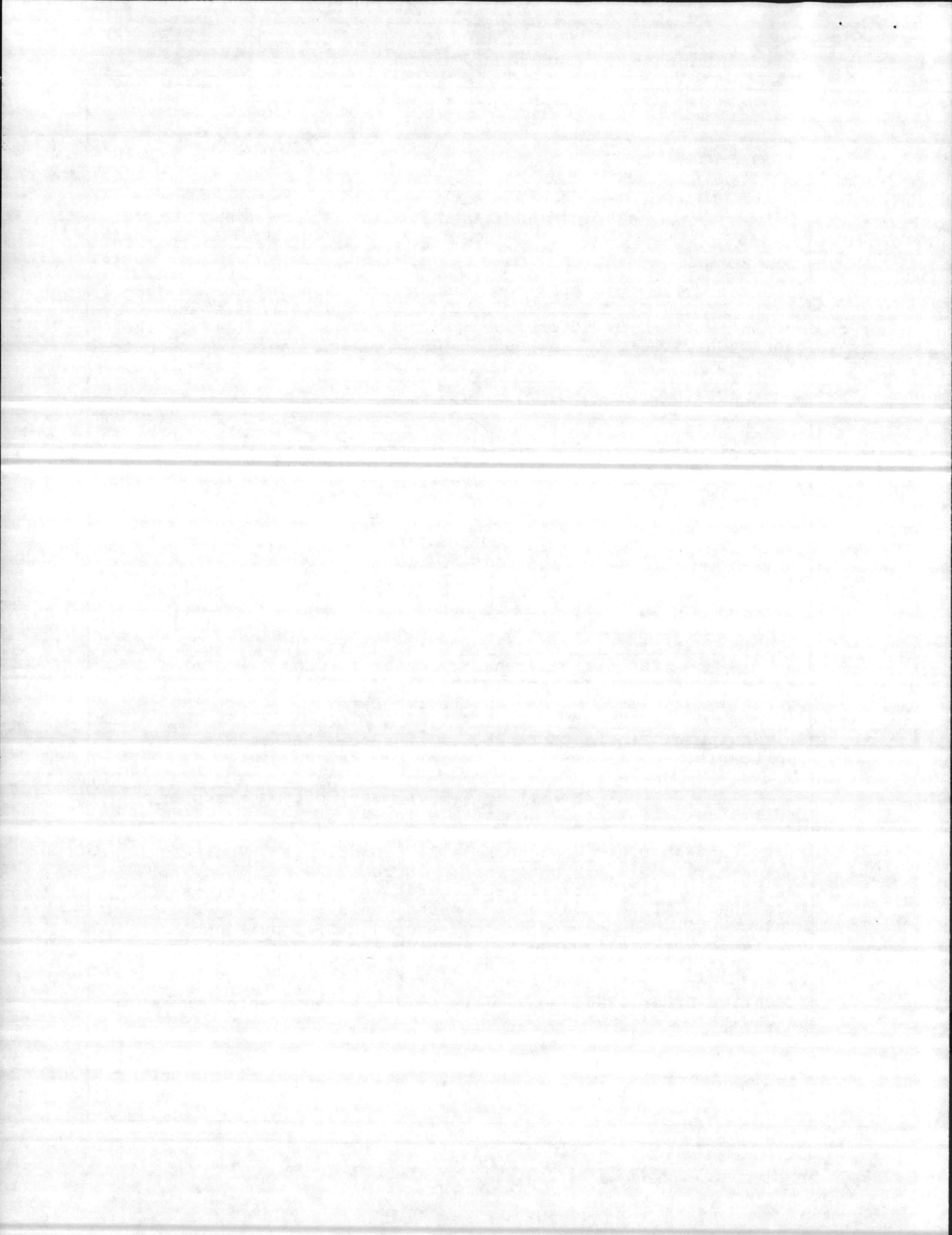
1. COMPONENT NAVY	FY 19 <sup>92</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC 28542		
4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT	5. PROJECT NUMBER P-859	
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> <li>1. <u>Pollution Prevention, Abatement and Control:</u> This project will not cause additional air or water pollution.</li> <li>2. <u>Flood Hazard Evaluation:</u> Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.</li> <li>3. <u>Environmental Impact:</u> The project Environmental Impact Assessment will be made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives.</li> <li>4. <u>Fallout Shelter Construction:</u> Fallout shelter protection is not incorporated in this project.</li> <li>5. <u>Design for Accessibility of Physically Handicapped Personnel:</u> Provisions for physically handicapped personnel are not required in this project.</li> <li>6. <u>Use of Air conditioning:</u> Ceiling "U" factors will be made to conform with DOD 4270.1-11.</li> <li>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.</li> <li>8. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76):</u> Not applicable.</li> </ol>		



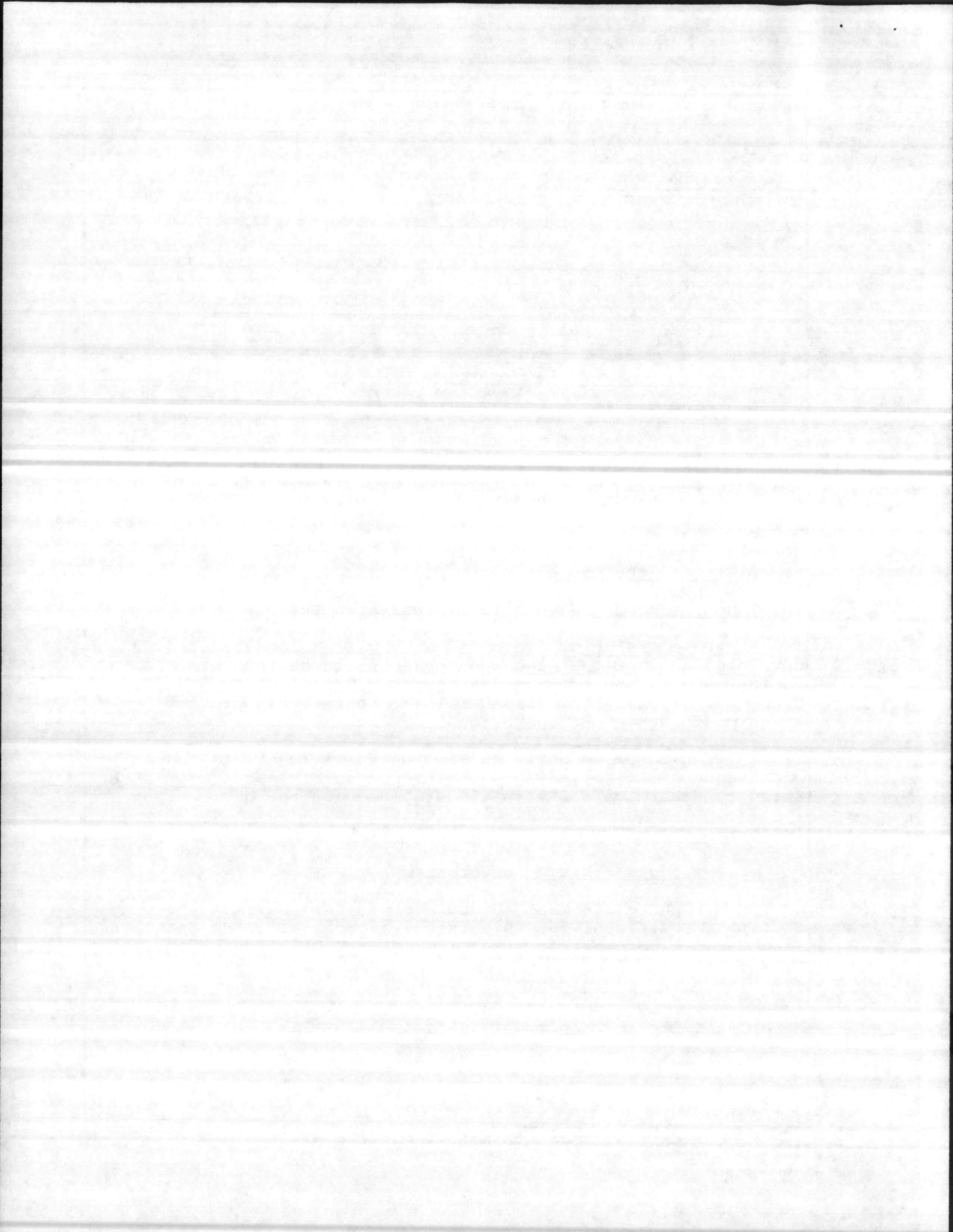
1. COMPONENT NAVY	FY 19 <sup>92</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		
4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT	5. PROJECT NUMBER P-859	
<p style="text-align: center;">FACILITY STUDY</p> <p>1. <u>Project:</u> Provide a permanent storage facility for the Light Armored Vehicle Battalion of the 2d Marine Division.</p> <p>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.</p> <p>3. <u>Description of Proposed Construction:</u></p> <p style="padding-left: 2em;">a. <u>Type of Construction:</u> 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.).</p> <p style="padding-left: 2em;">b. <u>Replacement:</u> 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.</p> <p style="padding-left: 2em;">c. <u>Description of Work to be Done:</u></p> <p style="padding-left: 4em;">(1) <u>Primary Facilities:</u> Storage Facility for organizational and mount-out equipment.</p> <p style="padding-left: 4em;">(2) <u>Energy Conservation:</u> Energy efficient equipment for maximum energy conservation will be utilized.</p> <p style="padding-left: 4em;">(3) <u>Collateral Equipment:</u> A list will be furnished under separate cover.</p> <p style="padding-left: 4em;">(4) <u>Supporting Facilities:</u> Security fencing, security lighting, pavement and site improvements. Facility scheduled for demolition is as follows:</p> <p style="padding-left: 8em;">Building No.: S-1840 Date of Construction: 1952 Type of Construction: "S" Size: 2 Use: 123-10 Present Condition: Inadequate</p>		



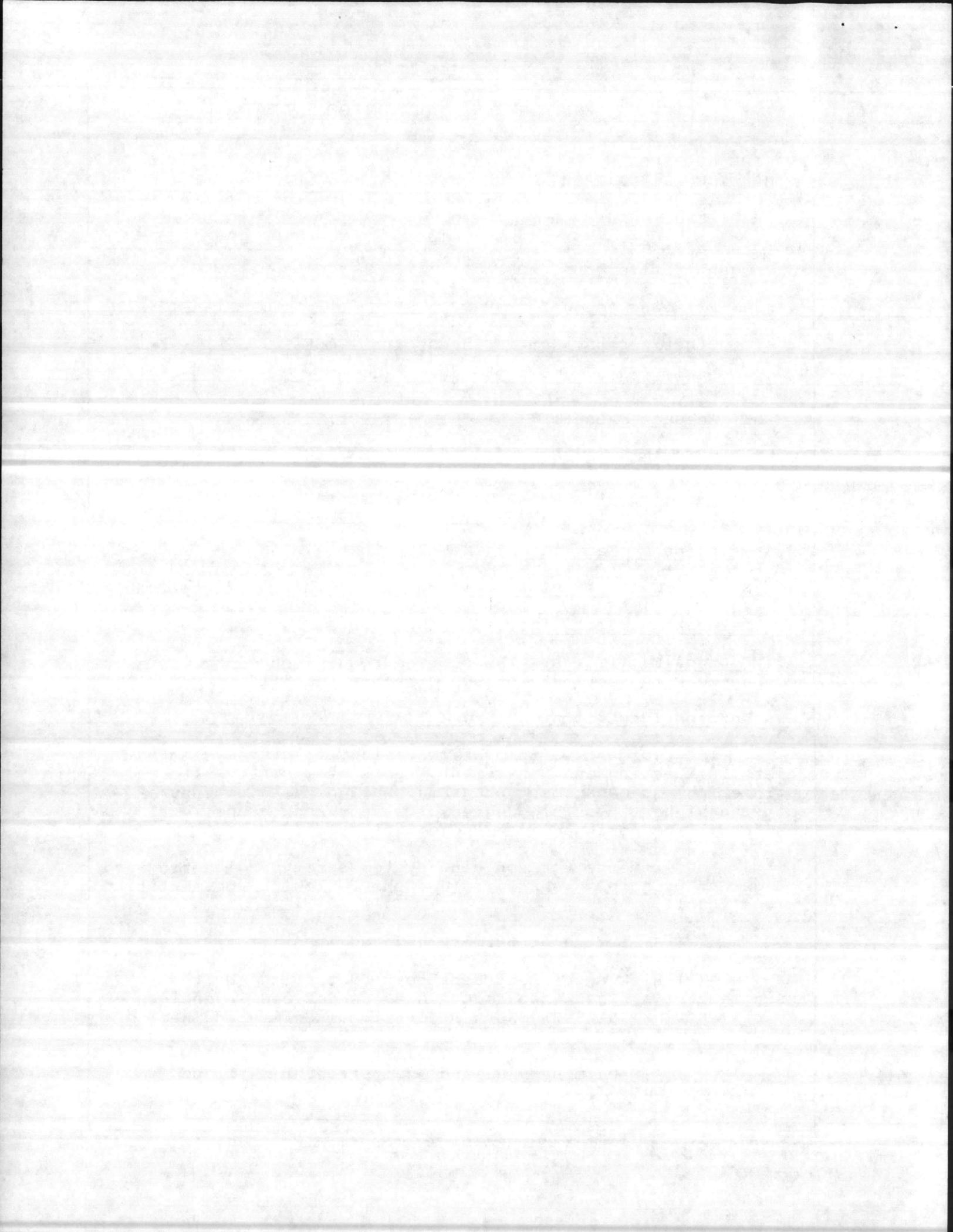
1. COMPONENT NAVY	FY 19 <sup>92</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		
4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT	5. PROJECT NUMBER P-859	
<p>4. <u>Cost Estimate:</u> Area cost factor for Camp Lejeune is 0.86 NAVFAC 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.</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> The proposed facility is required to provide the 2nd Supply Battalion adequate storage.</p> <p>(2) <u>Current Situation:</u> Facilities are widely scattered and are substandard.</p> <p>(3) <u>Impact if not Provided:</u> Personnel will continue to use substandard facilities in non-centralized work areas.</p> <p>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.</p> <p>6. <u>Equipment Provided from other Appropriations:</u> Not applicable.</p> <p>7. <u>Common Support Facilities:</u> There are no common support facilities logistically compatible in the area.</p> <p>8. <u>Effect on Other Resources:</u> The project will require approximately \$17,352 per year in increased O&amp;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.</p>		







1. COMPONENT NAVY	FY 19 <u>92</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		
4. PROJECT TITLE STORAGE/USMC/GROUND ORGANIC UNIT	5. PROJECT NUMBER P-859	
<p>13. <u>Quantitative Data (cont'd):</u></p> <p>e. <u>Existing Adequate:</u> 92,255 SF</p> <p>f. <u>Other Assets, Not in Inventory:</u> 0 SF</p> <p>g. <u>Funded, Not in Inventory:</u> 0 SF</p> <p>h. <u>Adequate Assets:</u> (e + f + g) = 92,255 SF</p> <p>i. <u>Deficiency:</u> (b - h) = 551,235 SF</p> <p style="padding-left: 40px;">Line (b) Total Requirement 649,490 SF Line (h) Adequate Assets 92,255 SF</p> <p>14. <u>Maintenance Facilities:</u> Not applicable.</p> <p>15. <u>Morale, Welfare and Recreation Facilities:</u> Not applicable.</p> <p>16. <u>Relocation Facilities:</u> Not applicable.</p> <p>17. <u>Storage Facilities:</u> The storage requirements are in accordance with Section V of DOD Directive 4145.19.</p> <p>18. <u>Hazards Identification, Assessment and Analysis:</u></p> <p style="padding-left: 40px;">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.</p> <p style="padding-left: 40px;">b. Requirements for applying system safety engineering and management principles shall include the following documentation as applicable:</p> <p style="padding-left: 80px;">(1) A listing of primary hazards identified.</p> <p style="padding-left: 80px;">(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.</p> <p style="padding-left: 80px;">(3) A Preliminary Hazard Analysis (PHA) will be submitted as required.</p>		



### COST ESTIMATE

DATE PREPARED  
12 May 87

SHEET 1 OF 2

ACTIVITY AND LOCATION  
MARINE CORPS BASE  
CAMP LEJEUNE, NC 28542  
PROJECT TITLE  
STORAGE/USMC/GROUND ORGANIC UNIT

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER  
P-859

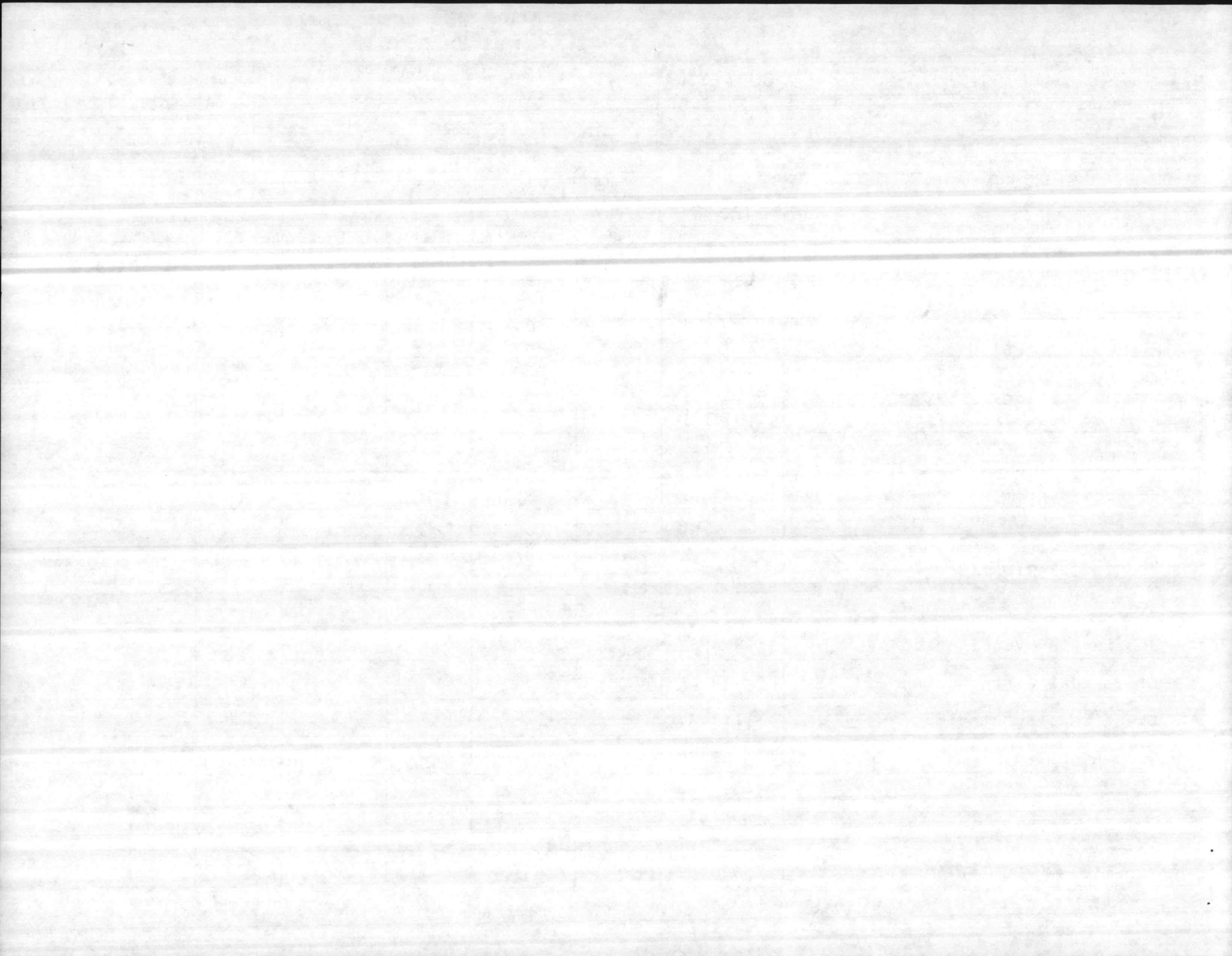
ESTIMATED BY  
F. W. ESTES

CATEGORY CODE NUMBER  
441-12

STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Projec

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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	11,006
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



**COST ESTIMATE**

DATE PREPARED  
12 May 87

SHEET 2 OF 2

ACTIVITY AND LOCATION  
MARINE CORPS BASE  
CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER  
P-859

ESTIMATED BY  
F. W. ESTES

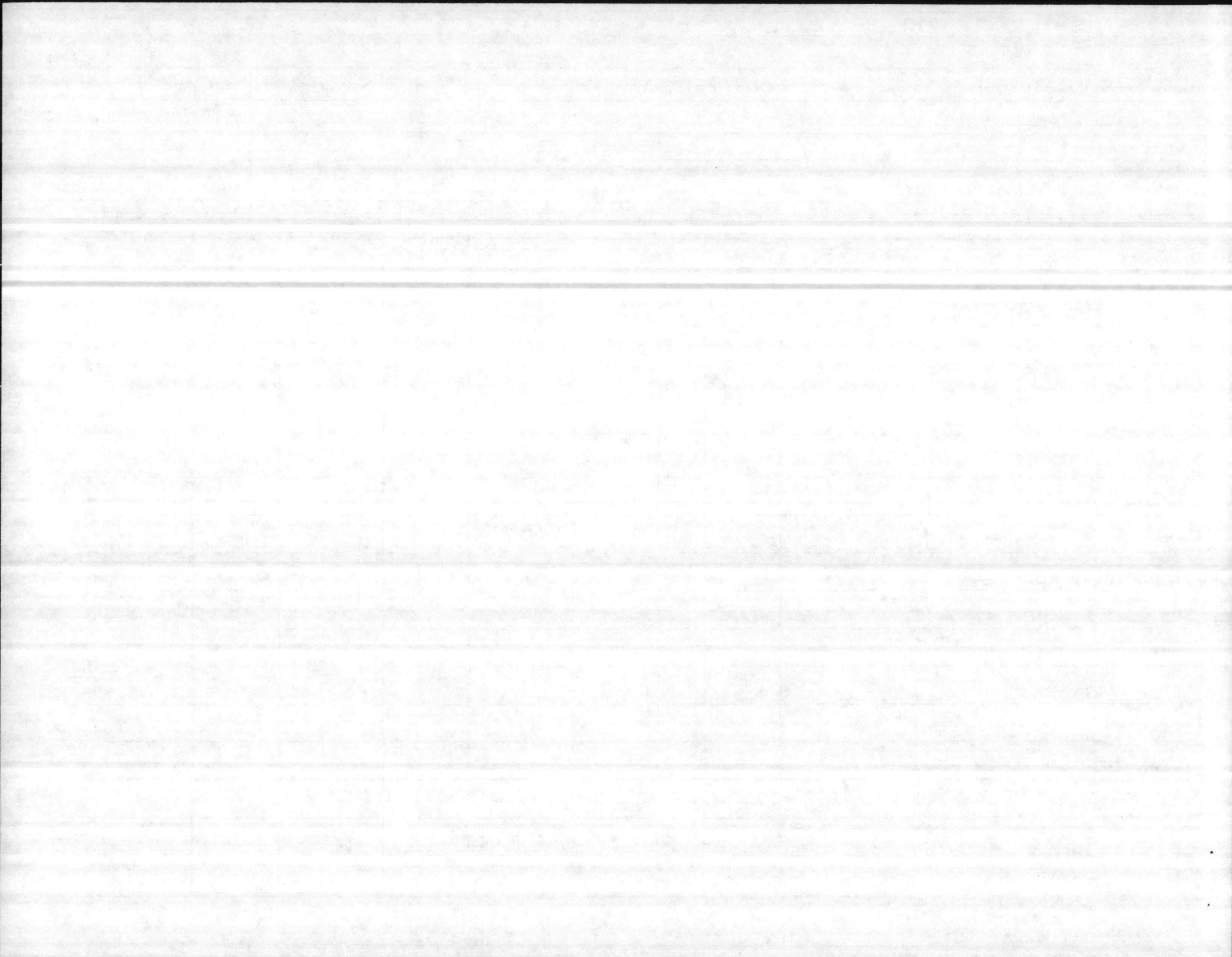
CATEGORY CODE NUMBER  
441-12

PROJECT TITLE  
STORAGE/USMC/GROUND ORGANIC UNIT

STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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					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



REQUEST FOR PROJECT SITE APPROVAL

NAVMC 11069 (11-80)  
SN 0000-00-006-7880 U/I: PADS OF 50

PROJECT NUMBER  
P-859

ACTIVITY UIC  
67001

TO: COMMANDANT OF THE MARINE CORPS (CODE LFF-1)

(4700)

SECTION A  
FOR USE BY REQUESTER

FROM  
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

CATEGORY CODE AND PROJECT TITLE 441-12 STORAGE/USMC/GROUND ORGANIC UNIT	TYPE OF FUNDING MCON	COST (\$000) 2,200	PROGRAM YEAR FY-92
PROJECT DESCRIPTION Provide storage & armory fac. for 2nd LAV Bn, 2nd MARDIV of reinf. conc. w/masonry, parking area, security fencing & light., supporting util., tel. & tel. switch. equip. and site improvements.	REMARKS Personnel will continue to use substandard facilities		
TYPE OF MAP SITE LOCATION MAP (encl (1))	DATE	REQUESTED BY (Typed name and signature) B. W. ELSTON <i>[Signature]</i>	DATE AUG 23 1985

SECTION B  
HQMC REVIEW AND ANALYSIS

ANALYSIS By direction  
(Place a check (✓) in box opposite each item. Y = Yes; N = No; NA = Not Applicable)

PROJECT SITING CONSIDERATION			PROJECT SITING CONSIDERATION		
Y	N	NA	Y	N	NA
✓					
✓					
✓					

COMPATIBLE WITH ACTIVITY MASTER PLAN (Check appropriate box)

<input type="checkbox"/> IDENTICAL	<input type="checkbox"/> NOT SHOWN BUT CONSISTENT	<input type="checkbox"/> *NOT SHOWN AND INCONSISTENT
<input checked="" type="checkbox"/> DIFFERENT BUT CONSISTENT		<input type="checkbox"/> *DIFFERENT AND INCONSISTENT

CRITERIA CERTIFICATION(S) REQUESTED (Check)

DDESB  CNO  NAVSEA  NAVELEX  NAVAIR  OTHER: \_\_\_\_\_

DATE CERTIFICATION(S) RECEIVED

\_\_\_\_\_ DDESB \_\_\_\_\_ CNO \_\_\_\_\_ NAVSEA \_\_\_\_\_ NAVELEX \_\_\_\_\_ NAVAIR \_\_\_\_\_ OTHER \_\_\_\_\_

ACTION

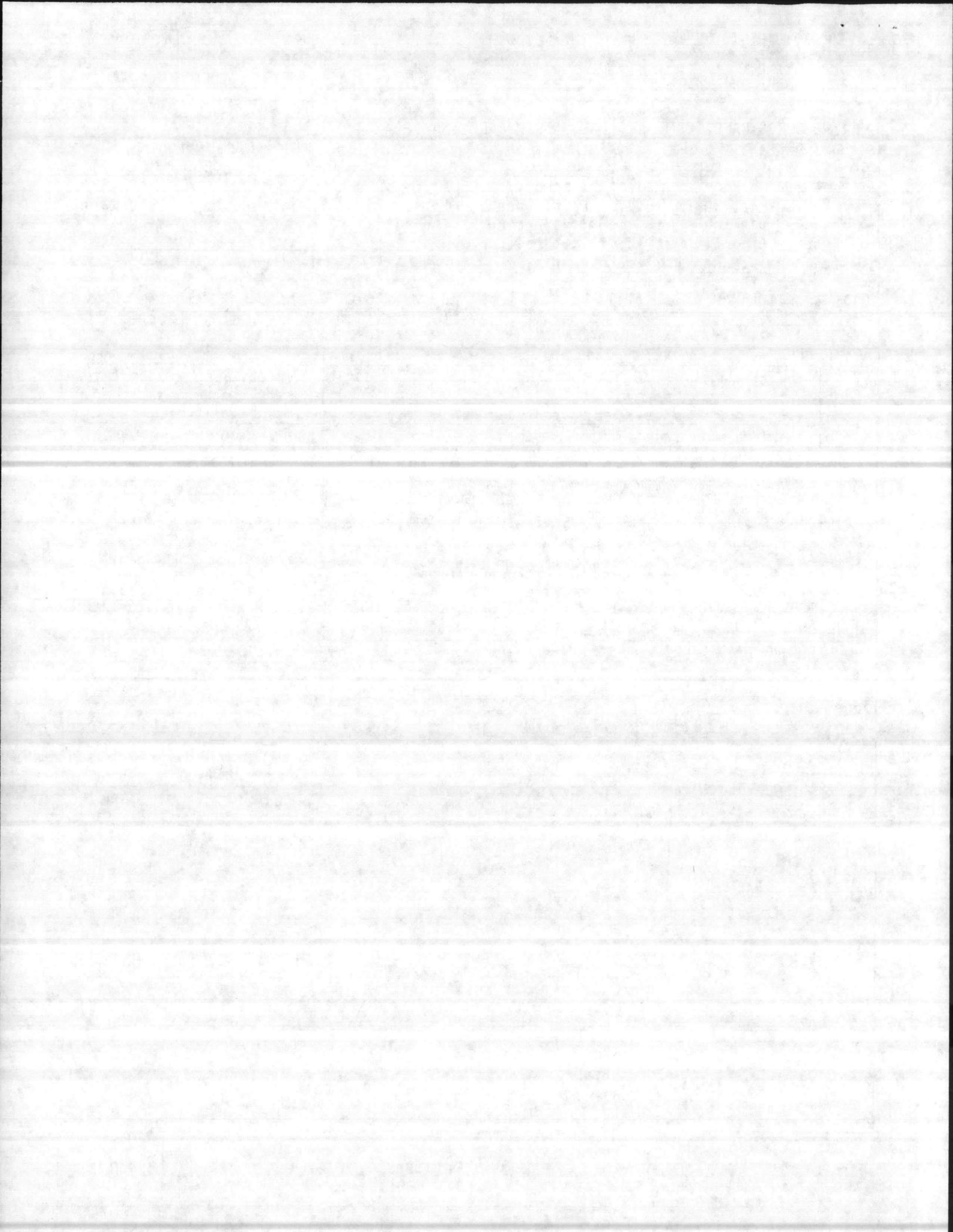
APPROVED  DISAPPROVED  DEFERRED

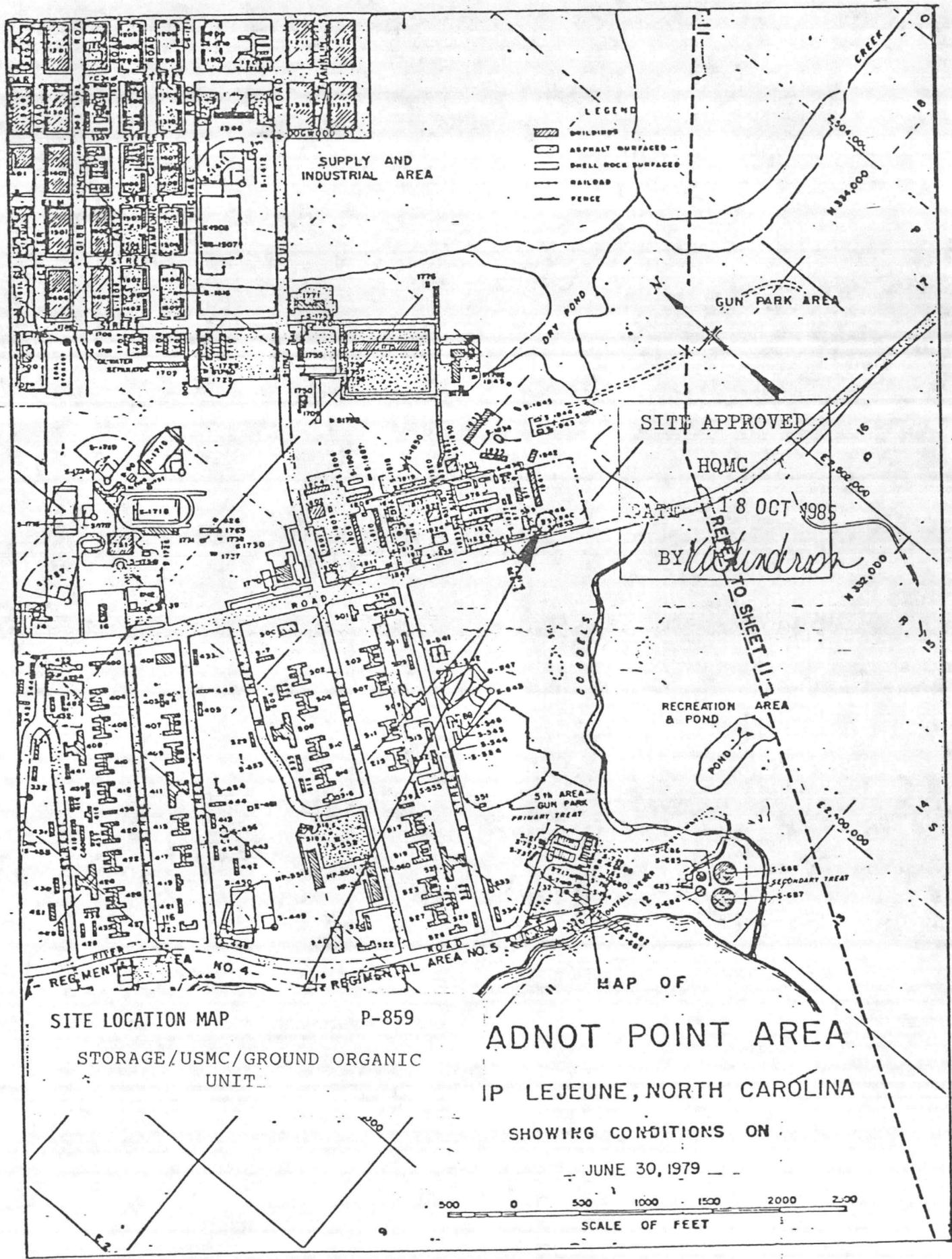
REMARKS

SITE APPROVED  
HQMC  
DATE 18 OCT 1985  
BY *[Signature]*

APPROVING OFFICIAL (Typed name and signature) <i>[Signature]</i>	DATE 21 OCT 1985
K. SISSON By direction	

\*Requires approval of a major change to the master plan prior to site approval.

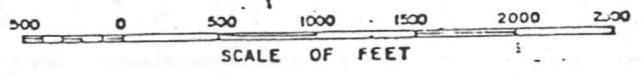


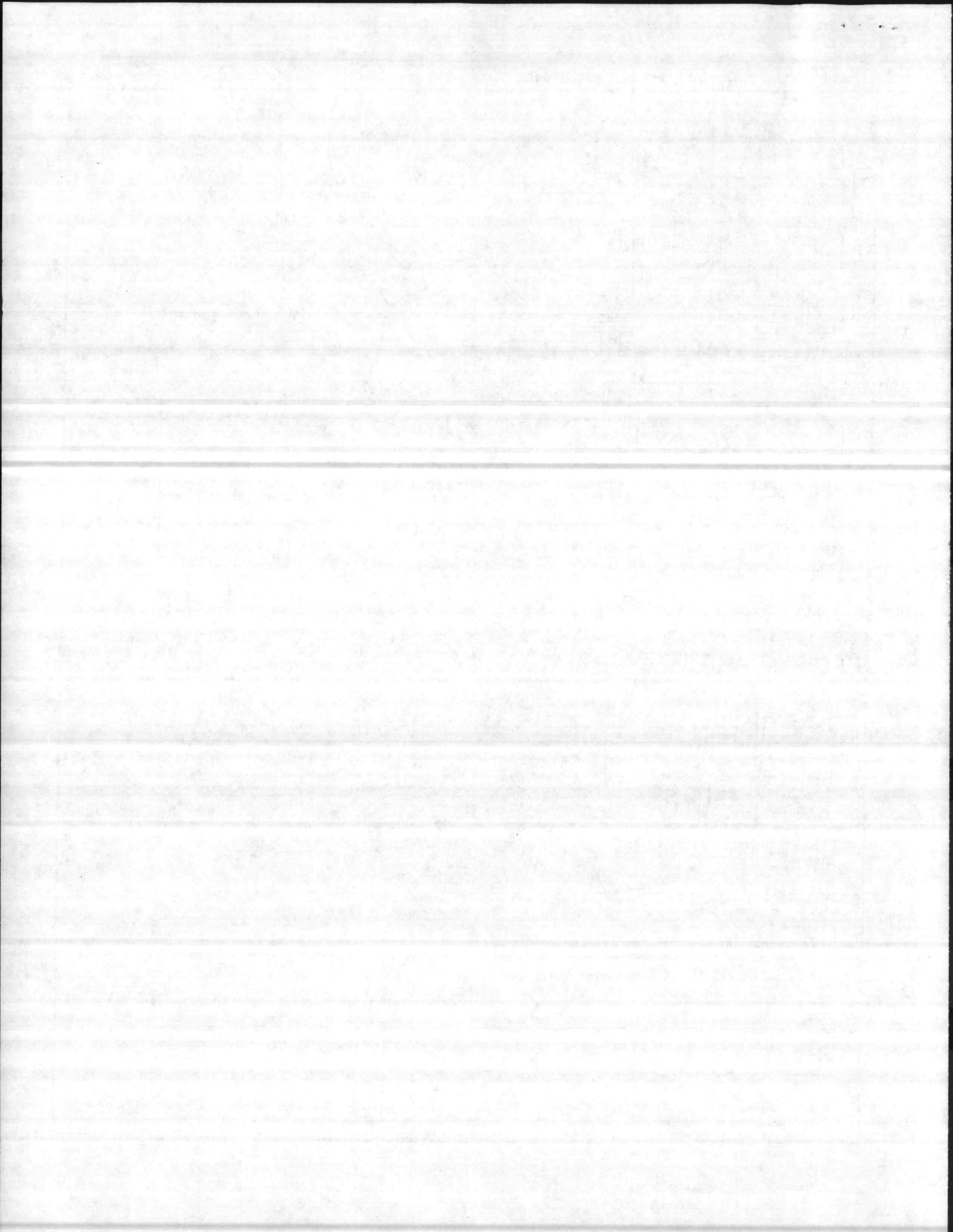


SITE LOCATION MAP P-859  
 STORAGE/USMC/GROUND ORGANIC UNIT

ADNOT POINT AREA  
 IP LEJEUNE, NORTH CAROLINA

SHOWING CONDITIONS ON  
 JUNE 30, 1979





**COST ESTIMATE**

DATE PREPARED  
12 May 87

SHEET 1 OF 2

ACTIVITY AND LOCATION  
MARINE CORPS BASE  
CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER  
P-859

PROJECT TITLE  
STORAGE/USMC/GROUND ORGANIC UNIT

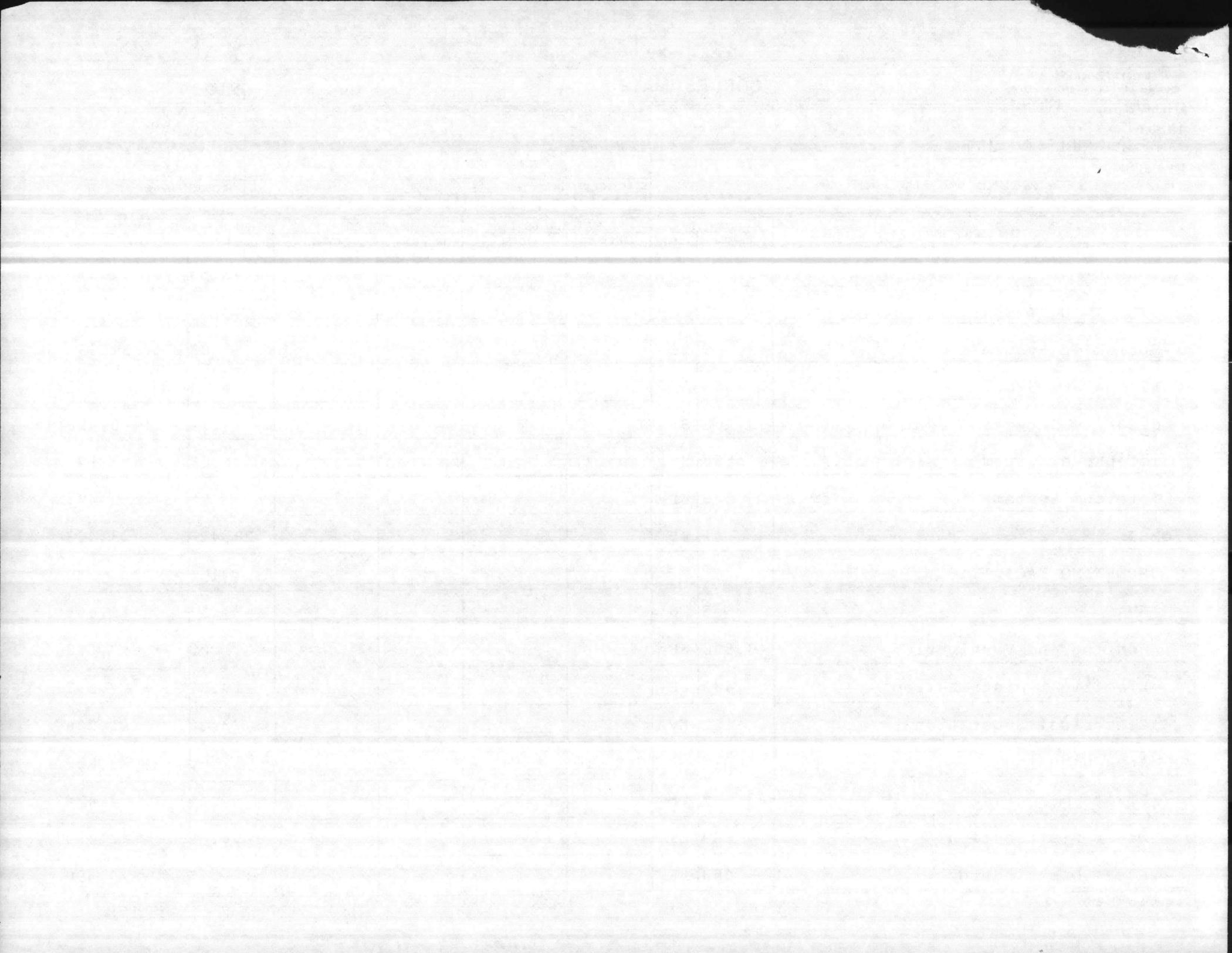
ESTIMATED BY  
F. W. ESTES

CATEGORY CODE NUMBER  
441-12

STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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	11,006
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



**COST ESTIMATE**

DATE PREPARED  
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. ESTES

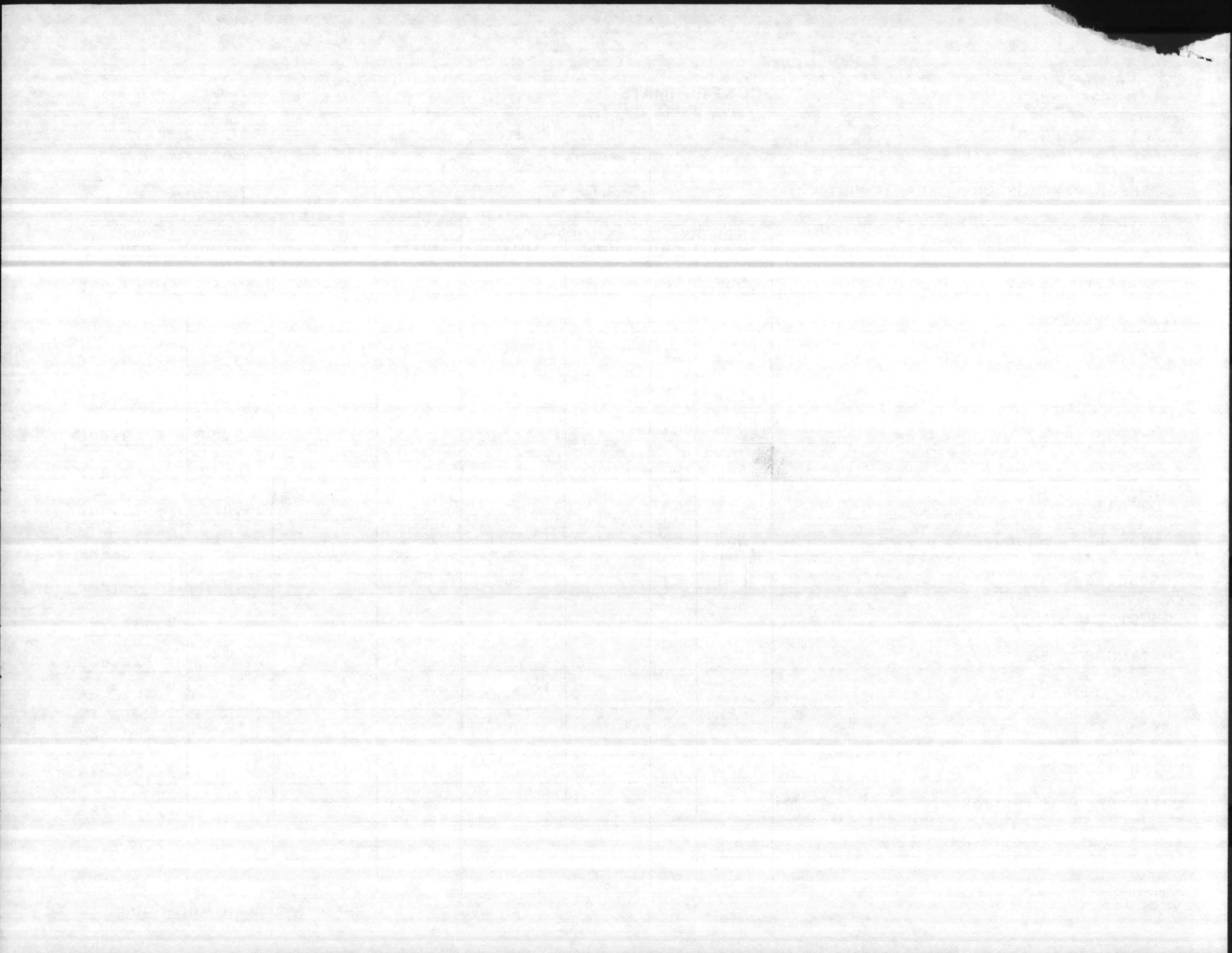
STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

IDENTIFICATION NUMBER  
P-859

CATEGORY CODE NUMBER  
441-12

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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					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



### COST ESTIMATE

DATE PREPARED  
12 May 87

SHEET 1 OF 2

ACTIVITY AND LOCATION  
MARINE CORPS BASE  
CAMP LEJEUNE, NC 28542

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER  
P-859

PROJECT TITLE  
STORAGE/USMC/GROUND ORGANIC UNIT

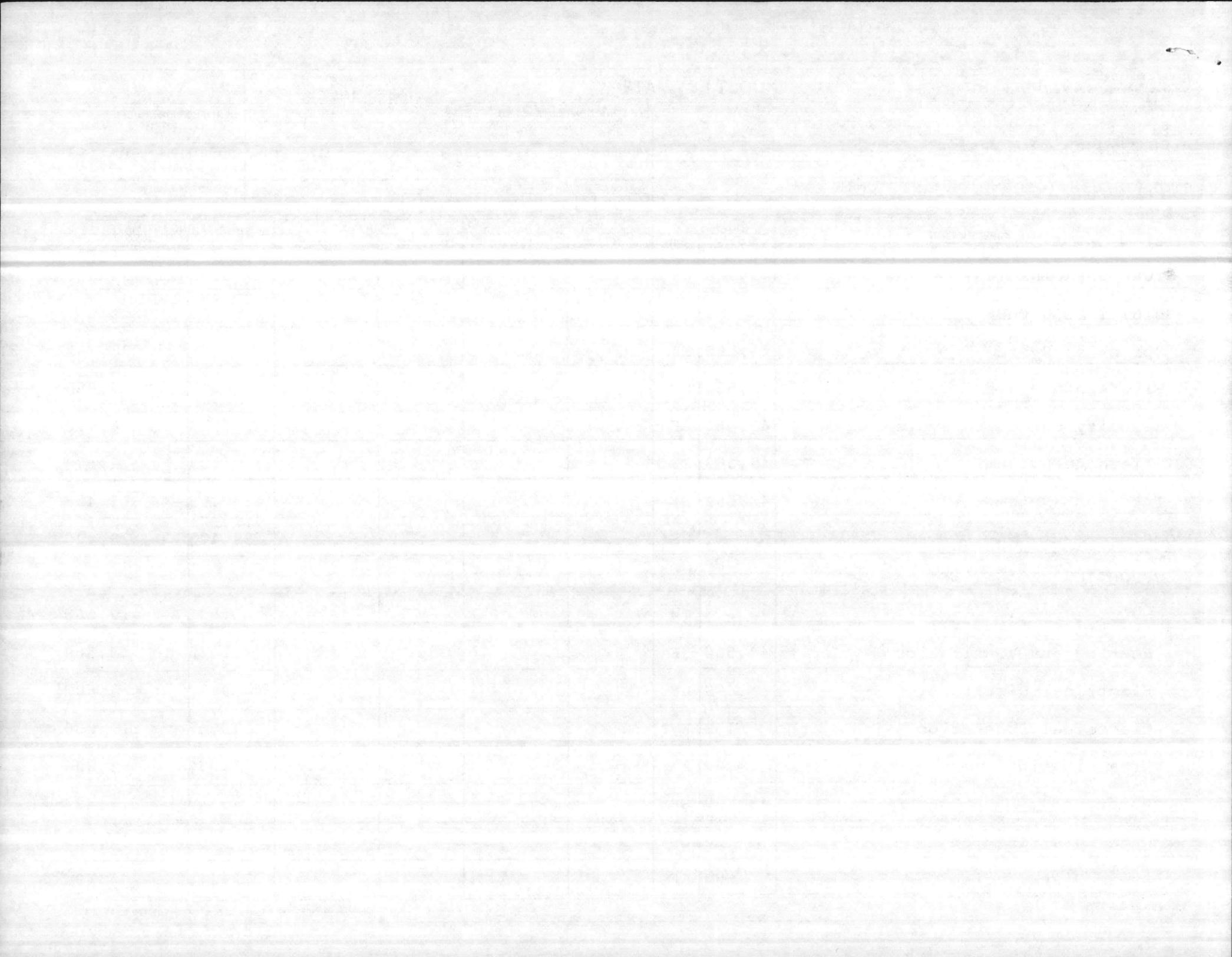
ESTIMATED BY  
F. W. ESTES

CATEGORY CODE NUMBER  
441-12

STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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	11,006
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



**COST ESTIMATE**

DATE PREPARED  
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. ESTES

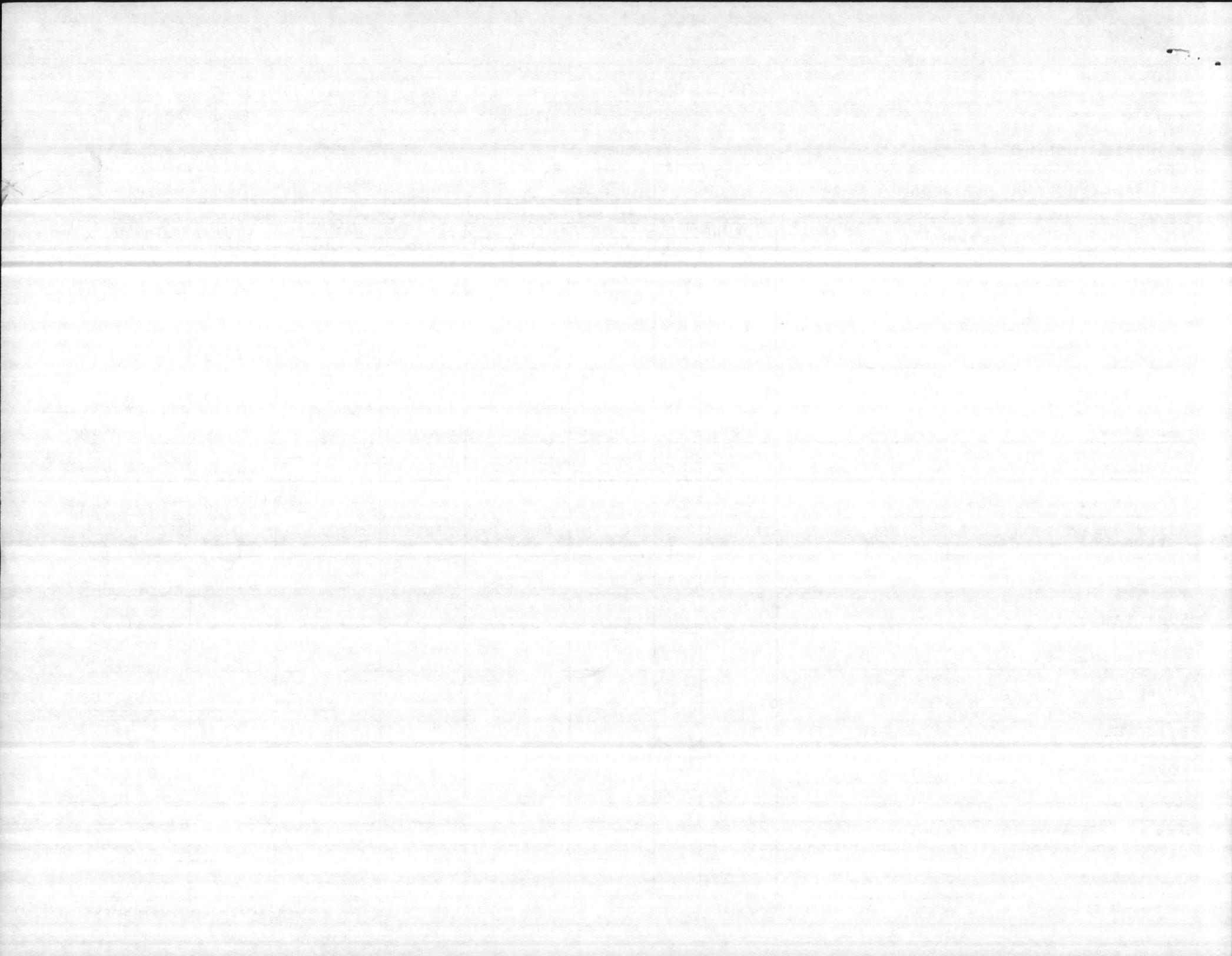
STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify) Project

IDENTIFICATION NUMBER  
P-859

CATEGORY CODE NUMBER  
441-12

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					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					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



1. COMPONENT <b>FY 19 MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542		4. PROJECT TITLE STORAGE/OUT OF STORES (LAV BN)	
5. PROGRAM ELEMENT	6. CATEGORY CODE 441-12	7. PROJECT NUMBER P-859	8. PROJECT COST (\$000) 2,690

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STORAGE/OUT OF STORES	SF	43,560		1979
Building	SF	43,560	43.50	(1,895)
Built-in Equipment	LS	-	-	(54)
O&M	LS	-	-	(28)
SUPPORTING FACILITIES:				453
Utilities	LS	-	-	(242)
Roads, Parking & Sidewalks	SY	1,000	20.00	(20)
Security Fencing & Lighting	LS	-	-	(13)
Site Improvements	LS	-	-	(123)
Demolition	EA	1	35,000	(35)
Loading Ramp	LS	-	-	(20)
SUBTOTAL	-	-	-	2432
CONTINGENCY - 5%	-	-	-	122
TOTAL CONTRACT COST	-	-	-	2554
S.I.O.H - 5.5%	-	-	-	140
TOTAL REQUEST	-	-	-	2694
TOTAL REQUEST ROUNDED	-	-	-	2690
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NONADD)	-

**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 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:** ~~70~~ 5 Tons

*11. REQUIREMENTS: 676,358 SF ADEQUATE: 549,670 SF SUBSTANDARD: 528,655 SF 643,490 INADEQUATE: 44,848 SF	92,255	57,264
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 Vehicle Battalions 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 manhours.		

EX-101 MILITARY DEPARTMENT PROJECT D-1

STANDARD FORM NO. 64

UUM

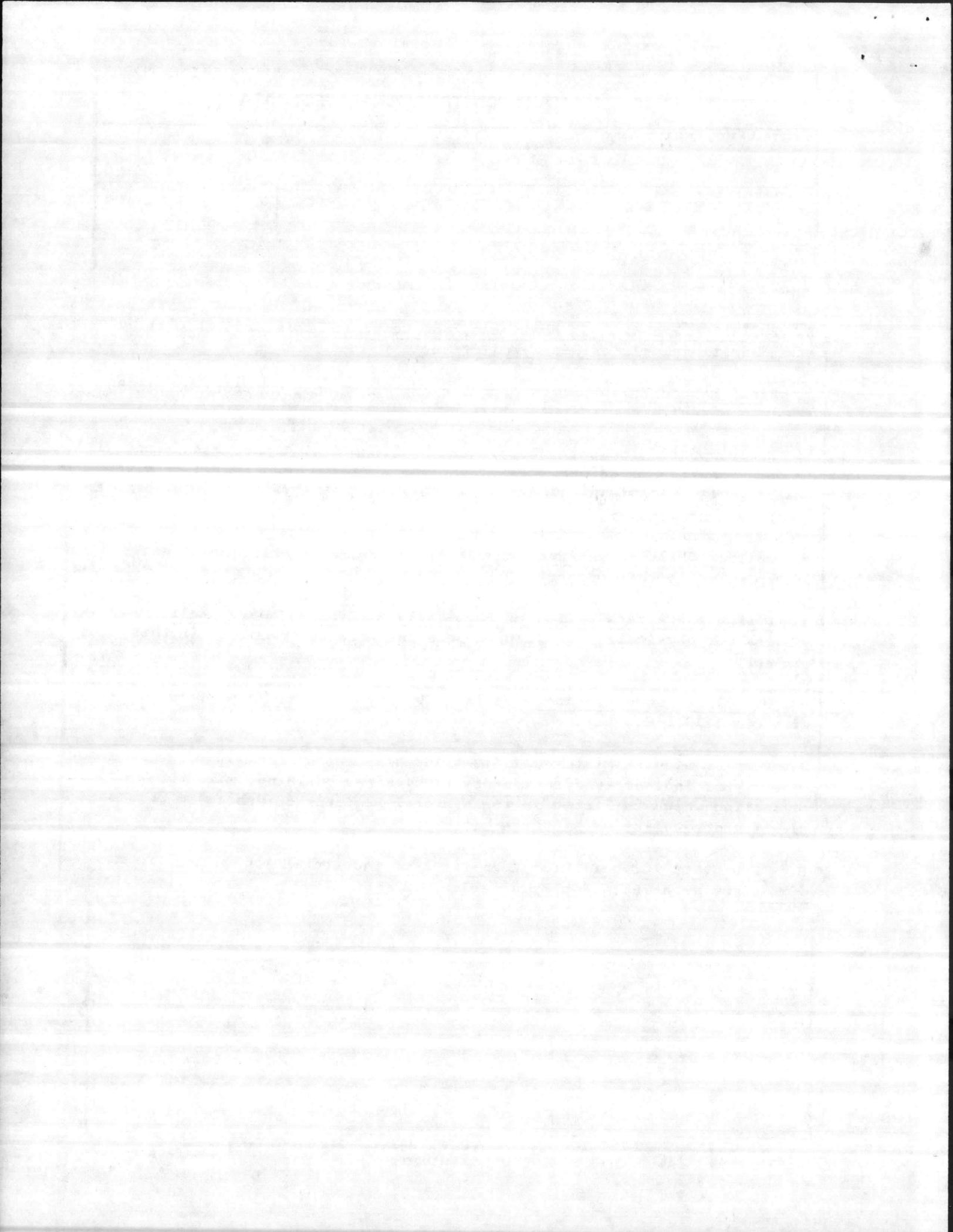
ITEM

10. DESCRIPTION OF PROPOSED CONSTRUCTION

1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	

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 will be given 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 significant quality of American history.
8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not Applicable.



1. COMPONENT	FY 19___ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	

FACILITY STUDY

1. Projects: Provide a permanent storage facility for each of the 2nd

~~Combat Engineer Battalion~~  
~~2ND ESSG~~ ~~Mar Div~~

~~2nd ESSG~~  
~~2nd Supply Bn~~  
 LAV Bn

2. 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, 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:

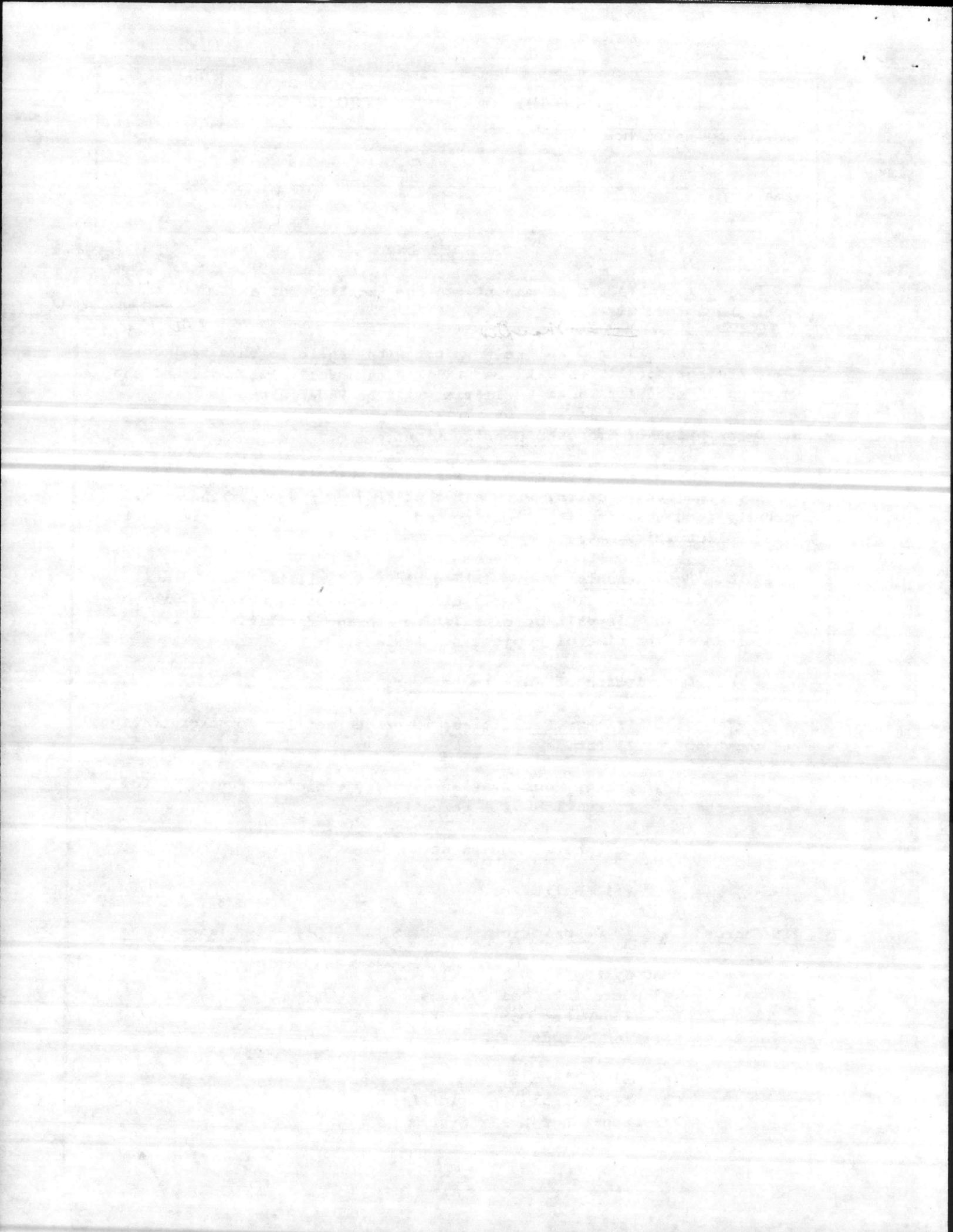
(1) Primary Facilities: Storage Facility for organizational and mount-out equipment.

(2) Energy Conservation: Energy efficient equipment for maximum energy conservation will be utilized.

(3) Collateral Equipment:

(a) Built-Ins:

<u>FSN/Source</u>	<u>Description</u>	<u>Qty</u>	<u>Issue</u>	<u>Price</u>	<u>Total</u>
	HVAC System				
	Telephone Intercom Systems				
	Drinking Water Cooler				
	Veretian Blinds				
	Fire Alarm				
	Intrusion Alarm System				
	Climate Control (Dehumidifier)				
	Air Compressor & Air System				



1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	

**b. Expense Items:**

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

(4). Supporting Facilities: Security fencing, security lighting, pavement and site improvements. *Facilities that are scheduled to be demolished are:*

Bldg No	Date CONST.	Type of Const.	Size	Use	Present Condition
S-184D	1952	S	2	12310	INADEQUATE

4. Cost Estimate: Area cost factor for Camp Lejeune is 0.95 NAVFAC DM-10 (May 1962), 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 year end date of January 1992.

5. Justification for Project and Scope of Project:

a. Justification for Project:

(1) Project: The proposed facility is required to provide the 2nd <sup>Supply Bn</sup> ~~Combat Engineer Battalion~~ adequate storage, ~~in the area~~ <sup>in the area</sup>.

(2) Current Situation: Facilities are widely scattered and are substandard.

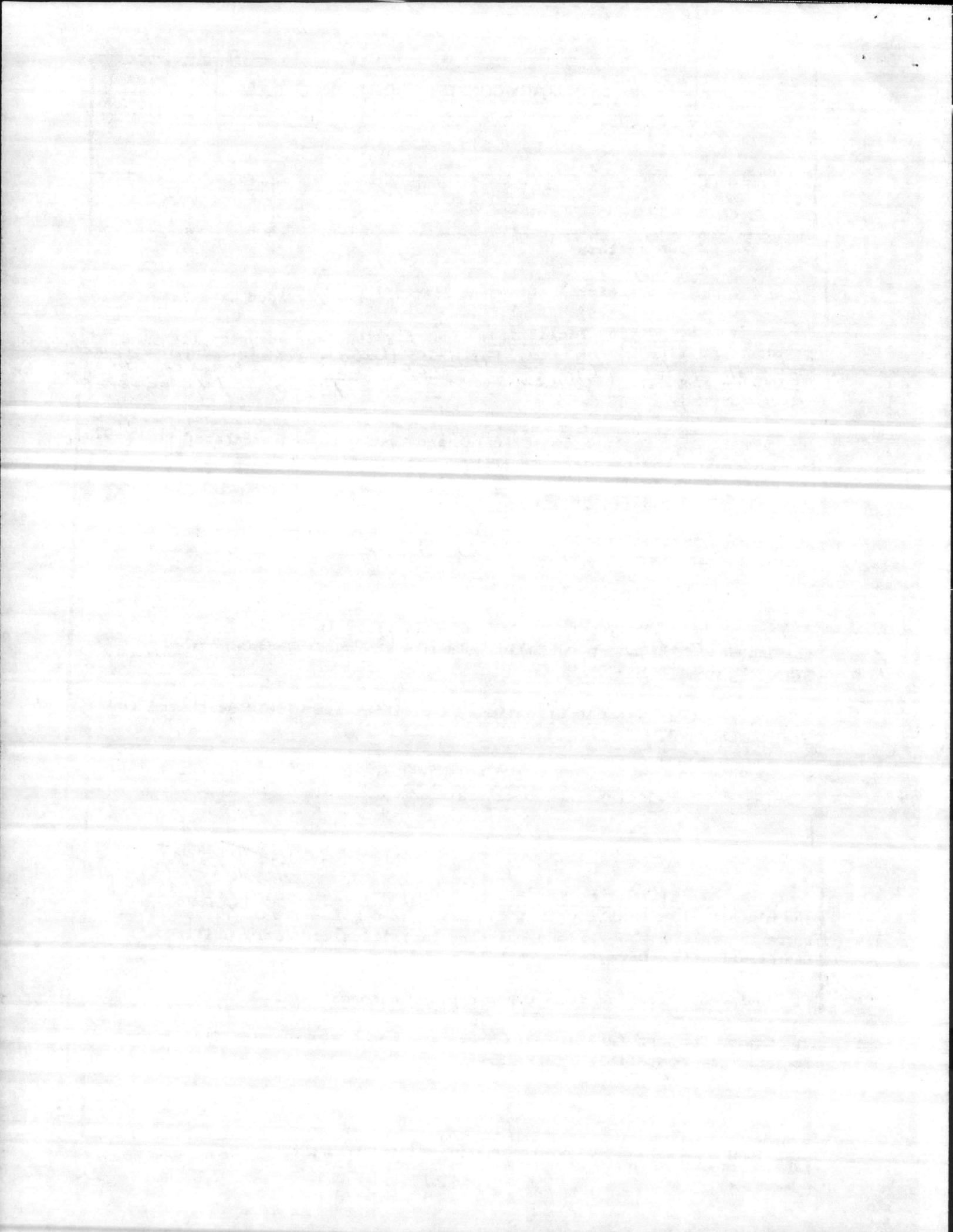
(3) Impact if Not Provided: Personnel will continue to use substandard facilities in non-centralized work areas.

b. Justification for Scope of Project: The project scope is for the minimum size facility that can meet the requirement of 24,360 SF of space to replace the various existing facilities currently utilized. See Quantitative Data, paragraph 13.

53,100  
43,560  
34,500

6. Equipment Provided from Other Appropriations: N/A.

7. Common Support Facilities: There are no common support facilities logistically compatible in the area.



1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE		5. PROJECT NUMBER

\$10,445  
~~\$7,317~~  
 16,128  
 17,352

8. Effect on Other Resources: The project will require approximately \$11,123.00 per year in increased O&M 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.

1022 10 20 80  
 10,748  
~~\$11,504~~ ~~12,080.00~~ = Electricity O&M cost  
 5,788 ~~5,300~~ = Steam O&M cost  
~~\$10,133.00~~ = Total O&M yearly cost  
 4,7352

UTILITY REQUIREMENTS

a. Electricity

Consumption ..... 154,190  
 143,318  
 16,109 KWHR/YR  
 Peak Demand .. 80.74 KW  
 Avg Demand - - - 70.73 KW

b. Steam

Consumption 2,492,920 ~~2,135,715~~  
 2,604,791 LBS/YR  
 Demand - - - 555 ~~516~~ LBS/Hr

c. Coal

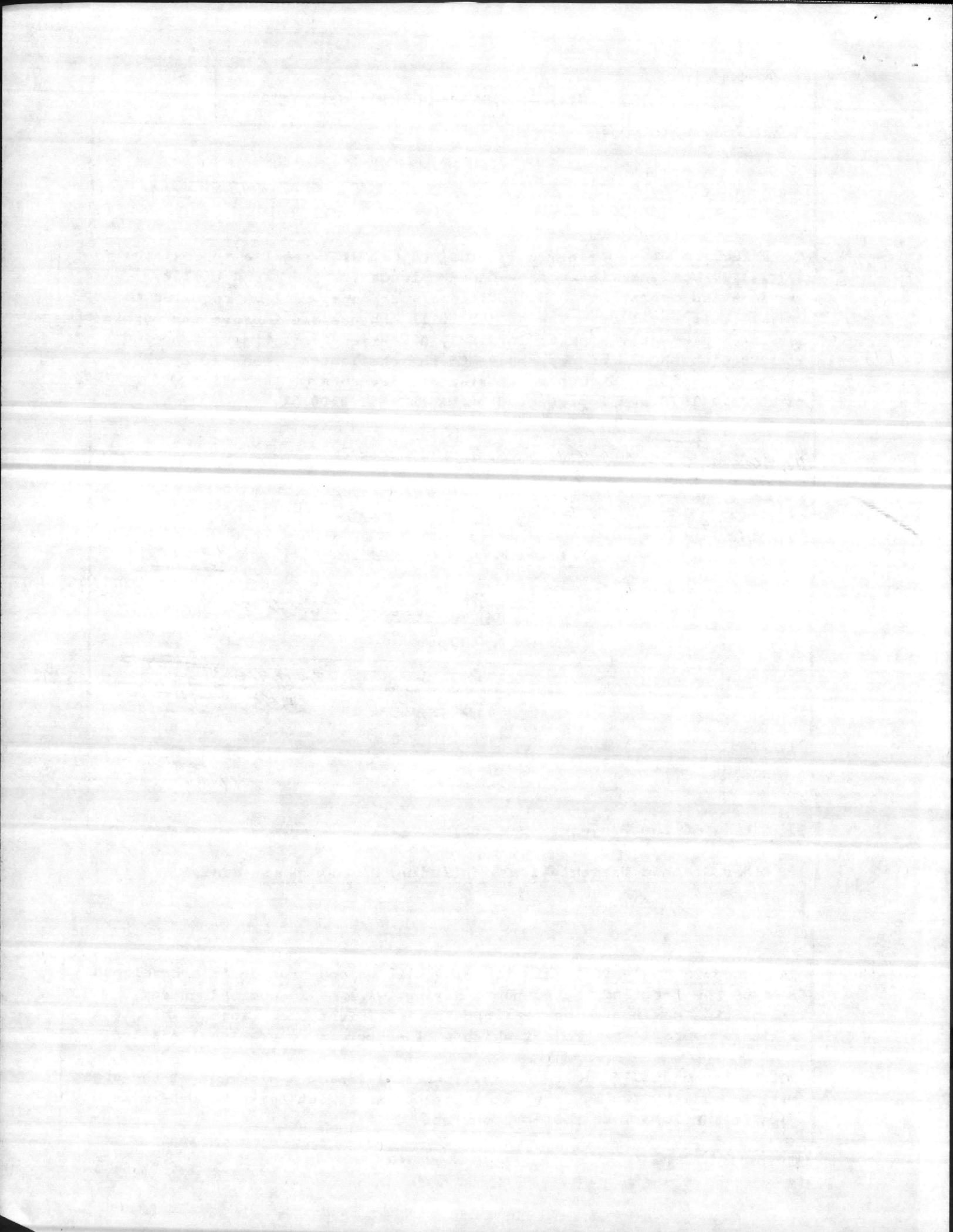
116 Tons/Yr.  
 103  
 111

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.



1. COMPONENT	FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION		
4. PROJECT TITLE	5. PROJECT NUMBER	

13. Quantitative Data:

a. Unit of Measure: SQUARE FEET

~~FRENCH CREEK~~ <sup>HADNOT POINT (EA) (DA)</sup>

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

b. Total Requirement: 577,300 643,490  
643,490 SQUARE FEET

~~The total requirement is 676,350 SF.~~

c. Existing Substandard: 1,320 57,264  
57,264 SQUARE FEET

d. Existing Inadequate: 25,182 945,538  
945,538 SQUARE FEET

e. Existing Adequate: 92,235  
52,732  
92,235 SQUARE FEET

f. Other Assets, Not in Inventory: None. 0 SQUARE FEET

g. Funded, Not in Inventory: None. 0 SQUARE FEET

h. Adequate Assets (c+f+g): 52,732 92,235  
52,732 92,235 SQUARE FEET

i. Deficiency (b-h): 551,235  
551,235 SQUARE FEET

Line (b) Total Requirement

Line (h) Adequate Assets

577,300	643,490	577,300 SF
92,235	92,235	92,235 SF
551,235	551,235	551,235 SF
Total	390,766	390,766 SF

14. Maintenance Facilities: N/A.

15. Morale, Welfare and Recreation Facilities: N/A.

12  
12  
12

## 3. INSTALLATION AND LOCATION

## 4. PROJECT TITLE

## 5. PROJECT NUMBER

16. Relocation Facilities: N/A.

17. Storage Facilities:

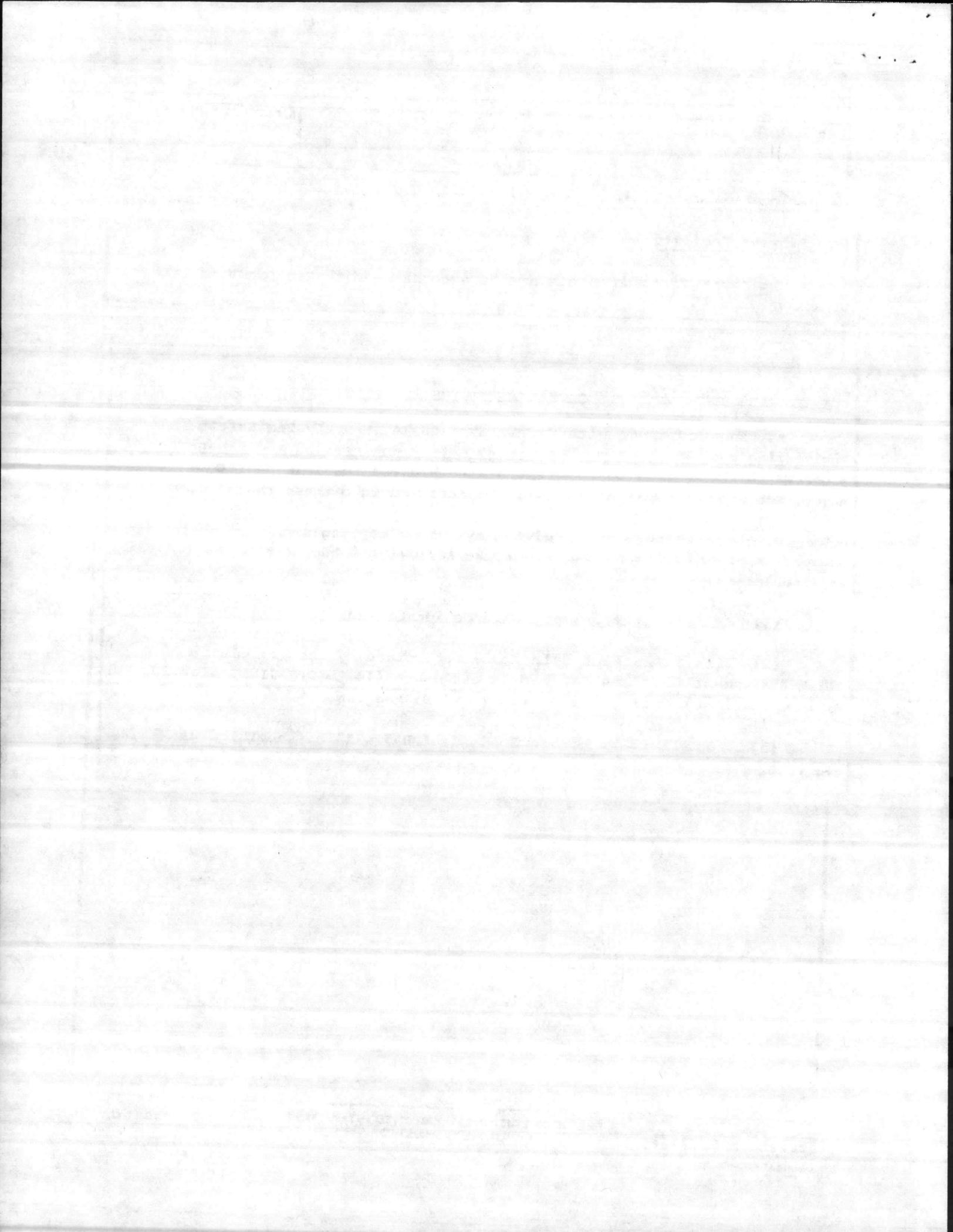
The storage requirements are in accordance with Section V of DOD Directive 4145.19.

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) to OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) Program.
- (3) A Preliminary Hazard Analysis (PHA) will be submitted as required.



### COST ESTIMATE

DATE PREPARED

SHEET 1 OF 2

ACTIVITY AND LOCATION

MARINE CORPS BASE, CAMP LEJEUNE, NC  
PROJECT TITLE

CONSTRUCTION CONTRACT NO.

ESTIMATED BY

F.W. Estes, Jr

IDENTIFICATION NUMBER

~~P-533~~ P-859

CATEGORY CODE NUMBER

441-12

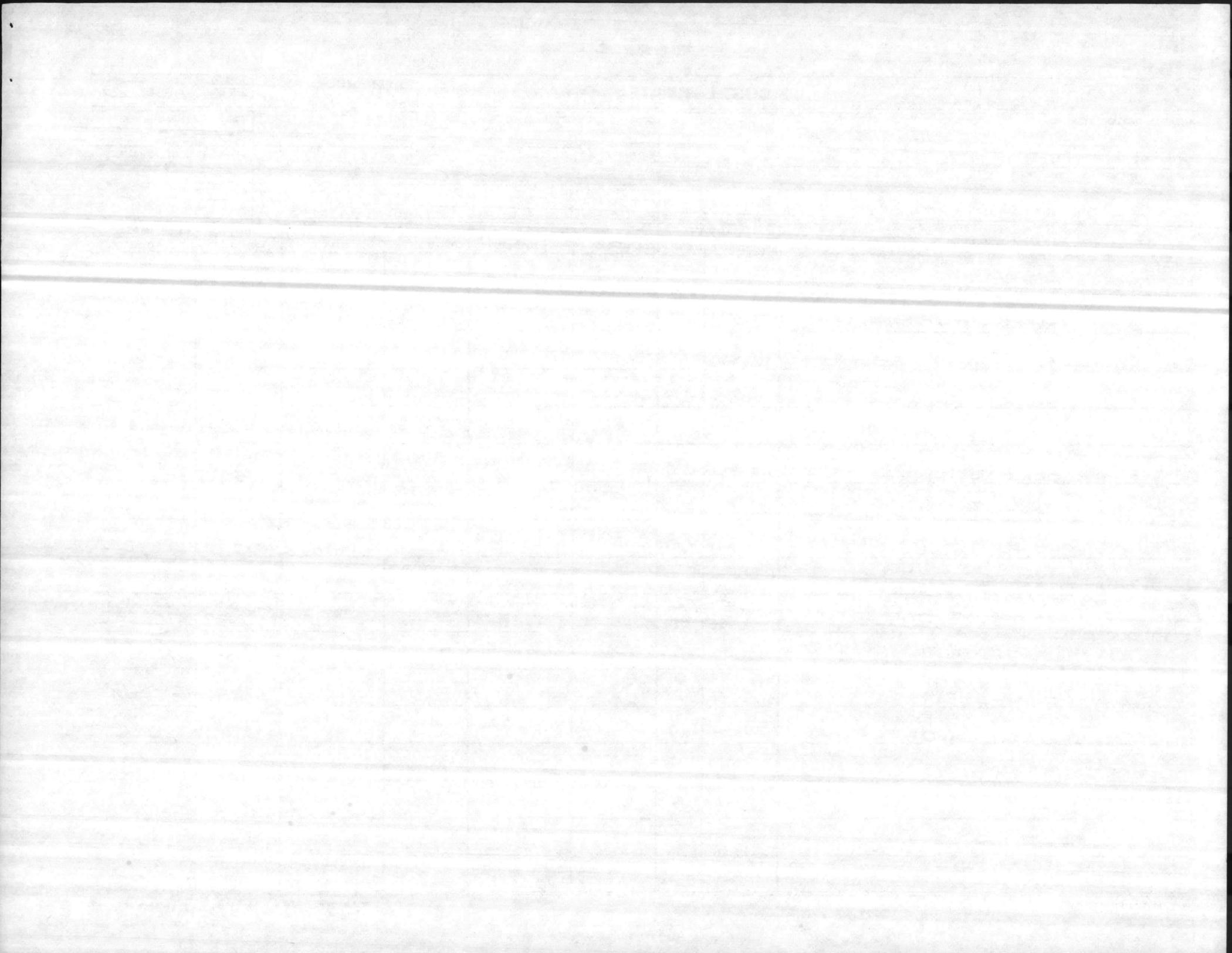
STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify) PROJECT

JOB ORDER NUMBER

STORAGE / OUT OF STORES (2ND TANK BAY)

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	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					28,423	28,423
SUPPORTING FACILITIES:								
HVAC ( <del>3 FOUNTS</del> )	<sup>5</sup> <del>43,560</del>	<sup>TN</sup> SF					2533	12,665
Heating & Ventilation	43,560	SF					1.00	43,560
Electrical Distribution	400	LF					19. <sup>32</sup> <del>52</del>	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					91.67	11,000
Steam Distribution	600	LF					124.15	74,490



### COST ESTIMATE

DATE PREPARED

SHEET 2 OF 2

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

CATEGORY CODE NUMBER

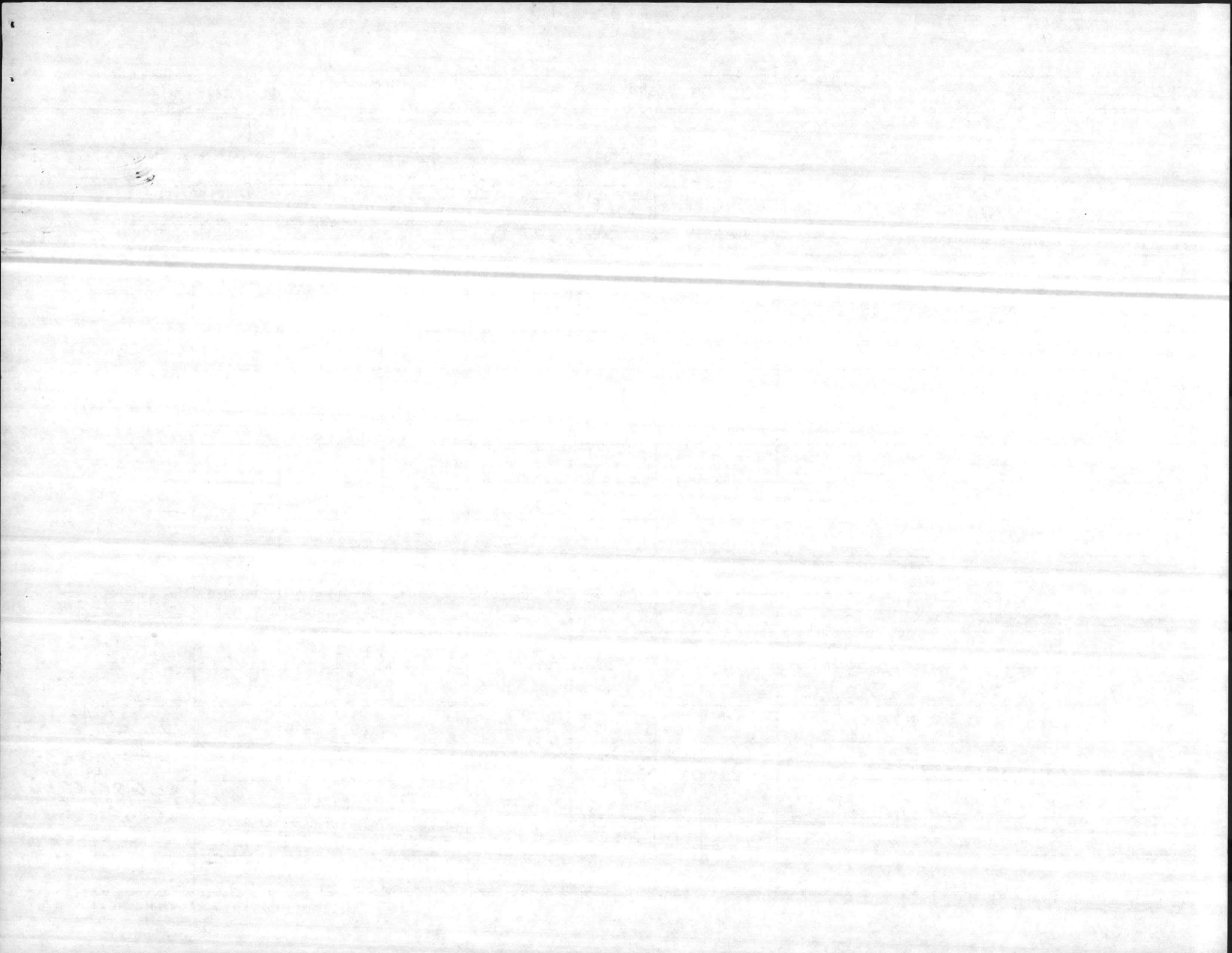
PROJECT TITLE

STATUS OF DESIGN

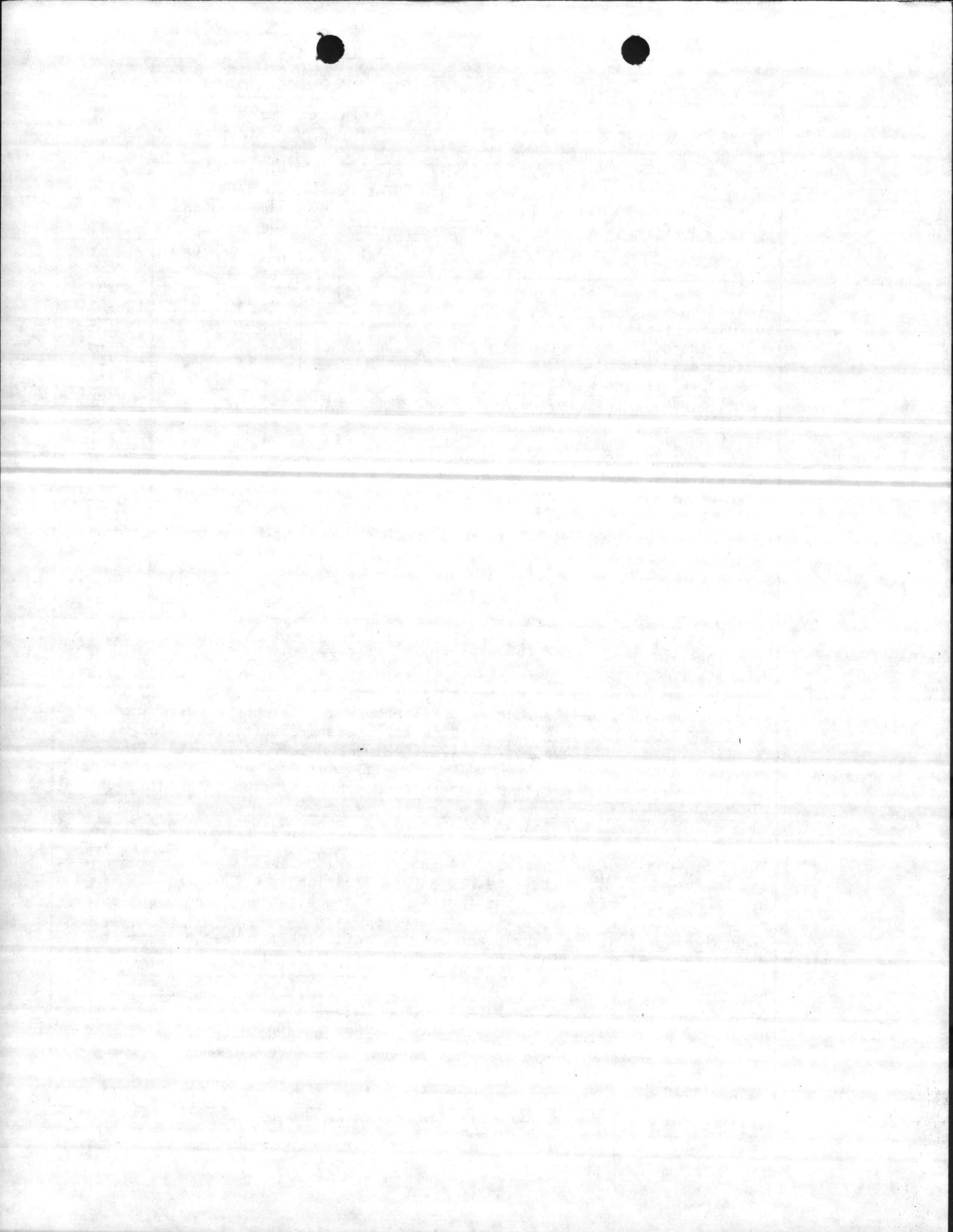
PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
Sanitary Sewer	1500	LF					42.58	\$ 63,870
SITE IMPROVEMENTS :								
Storm Drainage	1200	LF					83.13	99,756
Clearing	1500	CY					9.74	14,610
Borrow	1000	CY					9.00	9,000
Fencing	600	LF					16.47	9,892
Demolition	1	EA					35,000	<del>35,000</del>
Pavement: Roads & Parking	1000	SY					20.00	20,000
Loading Ramp	1	EA					20,000	20,000
SUBTOTAL						2,431,995		<del>2,431,995</del> <del>2,436,754</del>
CONTINGENCY (5%)						121,600		121,600
TOTAL CONTRACT COST						2,553,595		<del>2,553,595</del> <del>2,558,392</del>
S.I.O.H.						140,448		140,448
TOTAL REQUEST						2,694,043		<del>2,694,043</del> 2,699,316
TOTAL REQUEST ROUNDED						2,690,000		2,690,000







1. COMPONENT MARINE CORPS		FY 19 <sup>92</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE STORAGE/OUT OF STORES		
5. PROGRAM ELEMENT		6. CATEGORY CODE 441-12	7. PROJECT NUMBER P-859		8. PROJECT COST (\$000) 2,200	
Escalated to FY-92						
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	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	-	-	(27)	
Security Fencing and Lighting		LS	-	-	(19)	
Utilities-electricity, water, sewer, etc.		LS	-	-	(54)	
SUBTOTAL		-	-	-	1,980	
CONTINGENCY-5%		-	-	-	99	
TOTAL CONTRACT COST		-	-	-	2,079	
SUPERVISION, INSPECTION & OVERHEAD-5.5%		-	-	-	114	
TOTAL REQUEST		-	-	-	2,193	
TOTAL REQUEST ROUNDED		-	-	-	2,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(non-add)	-	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>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).</p> <p>*Demolition of Building S-1840 along with site improvements.</p> <p>*Additional demolition will be determined if needed upon completion of pending survey.</p> <p>AIR CONDITIONING: 5 Tons</p>						
<p>*11. REQUIREMENTS: <u>676,358 SF</u> ADEQUATE: <u>549,670 SF</u> SUBSTANDARD: <u>528,655 SF</u> INADEQUATE: <u>44,848 SF</u></p> <p>PROJECT. Construct a permanent storage and armory facility for Light Armored Vehicle Battalions, 2d Marine Division.</p> <p>REQUIREMENT. Provide a storage facility for organizational and mount-out equipment with proper security for weapons.</p> <p>CURRENT SITUATION. The supply and armory facilities for the Light Armored Vehicle Battalions is inadequate with respect to capacity and configuration of buildings.</p> <p>IMPACT IF NOT PROVIDED. Utilization of existing inadequate facilities will impair supply/armory operations and consume excessive manhours.</p> <p>*Requirement totals based on information provided from NAVMC 10651 of 25 April 1985.</p>						

