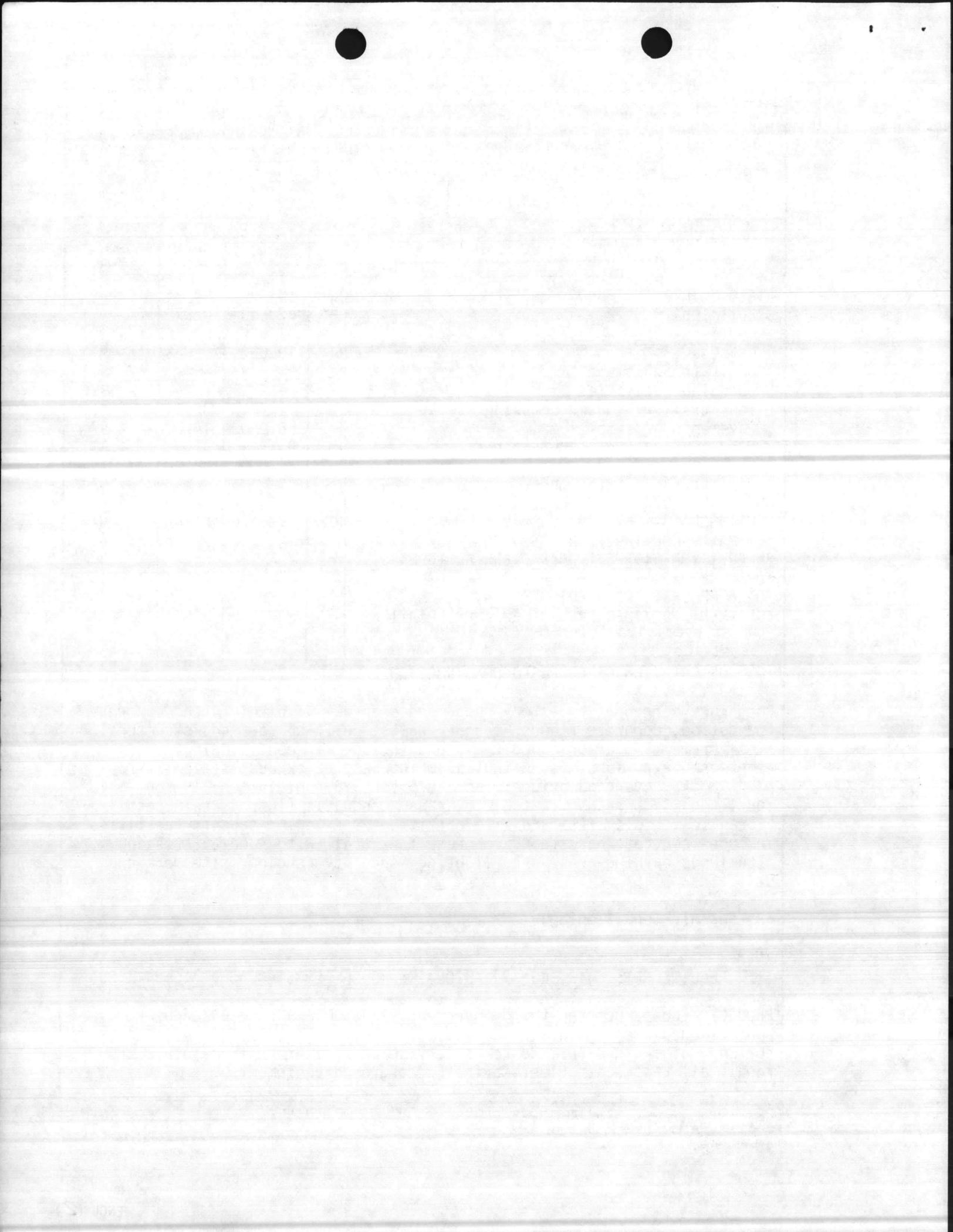
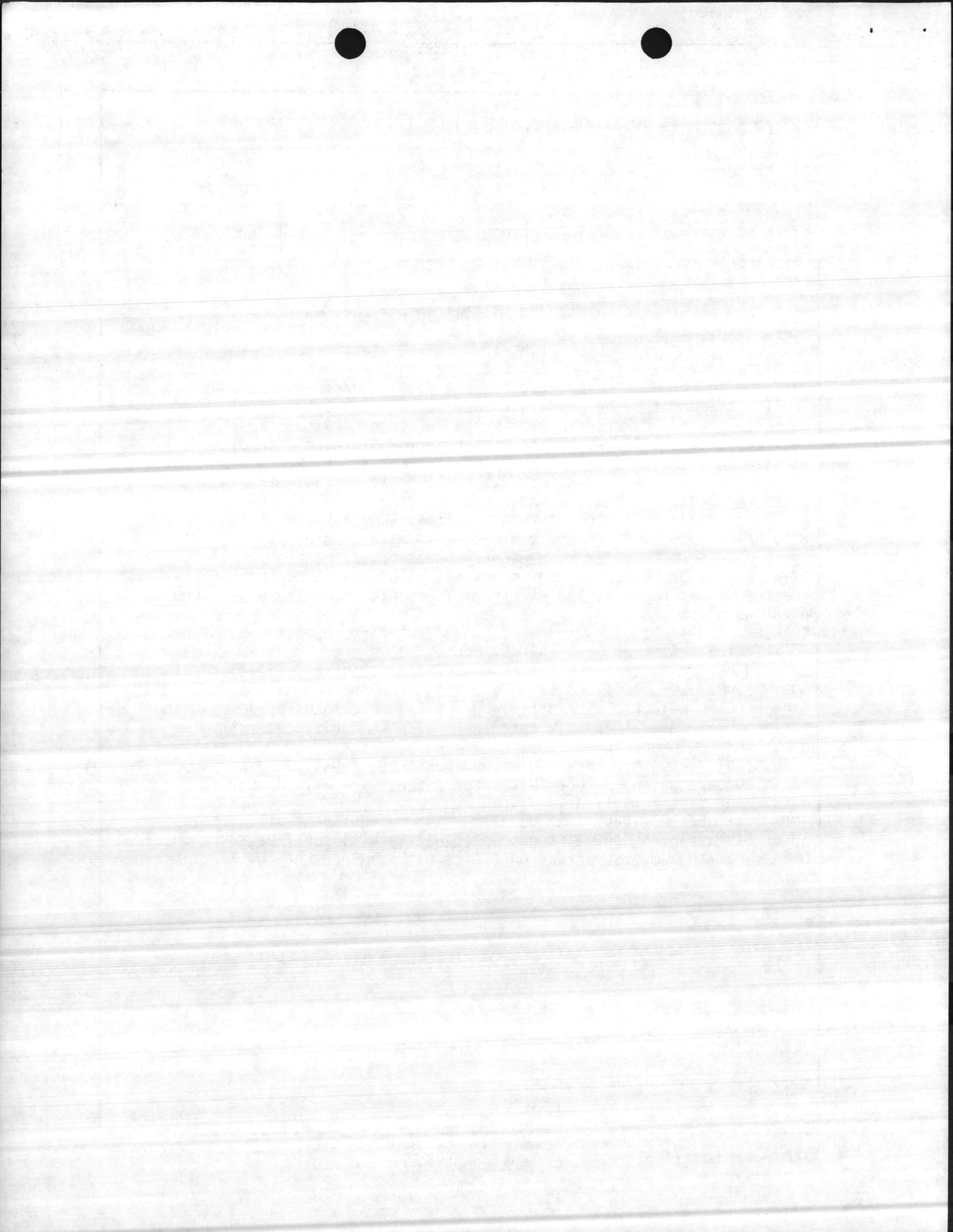


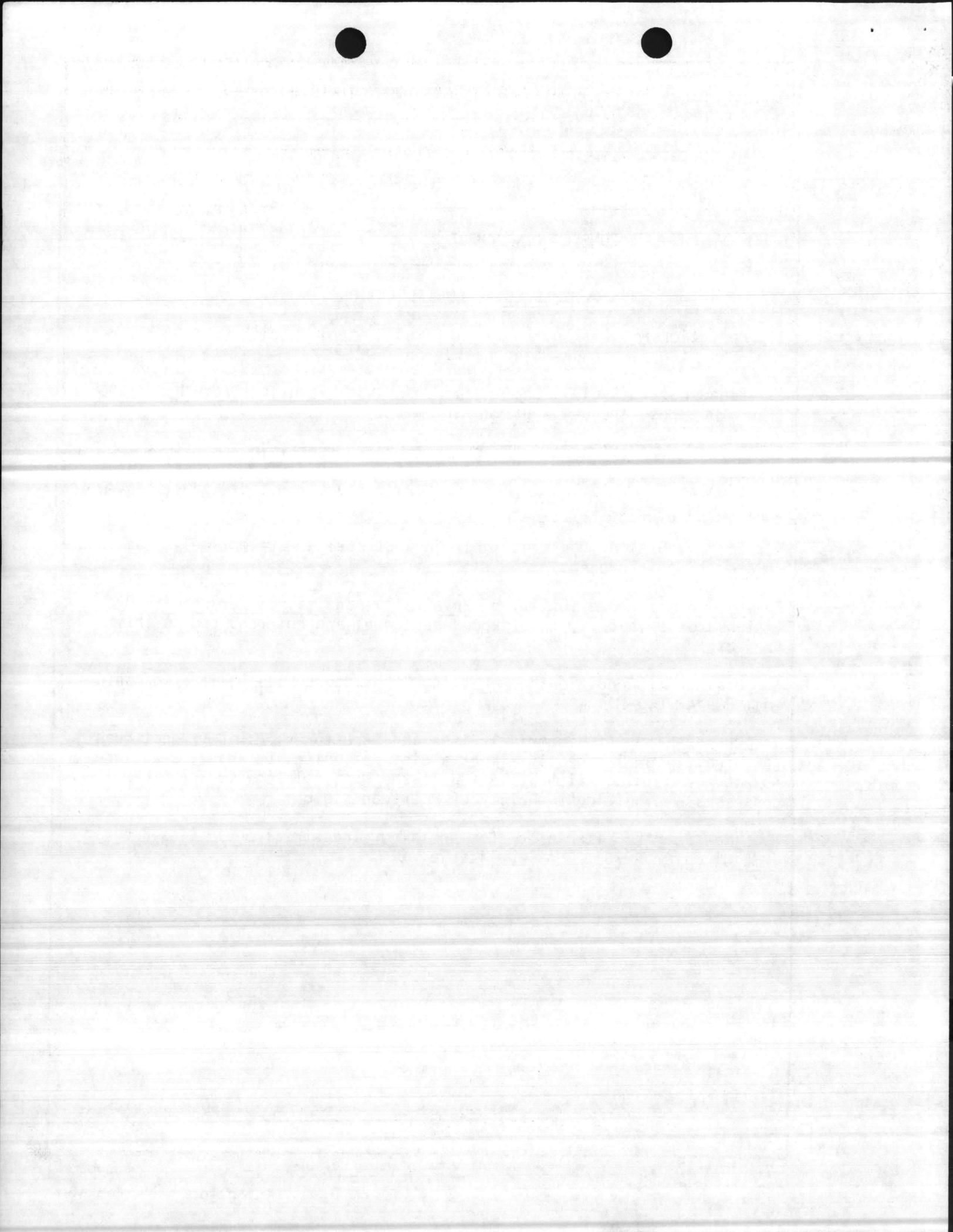
1. COMPONENT MARINE CORPS		FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA			2. DATE 30 Sep 86			
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542				4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)				
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-53	7. PROJECT NUMBER P-804		8. PROJECT COST (\$000) 19,000			
ESCALATED TO APRIL 1990 9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
FIELD MAINTENANCE SHOP					SF	210,300	84.34	14,533
Building- Shop 2					SF	47,500	62.72	(2,504)
Building- Shop 4					SF	52,800	62.72	(2,784)
Craneway					SF	110,000	82.63	(6,889)
Built-in Equipment					LS	-	-	(2,356)
Supporting Facilities					LS	-	-	2,482
Tank trail w/highway crossing					SY	4,400	32.04	(141)
Pavements, flexible					SY	6,950	14.00	(97)
Security Fencing and Lighting					LS	-	-	(185)
Pavement, rigid					SY	35,000	29.02	(1,016)
Utilities and Site Improvements					LS	-	-	(1,043)
SUBTOTAL								17,015
CONTINGENCY - (5%)								851
ESTIMATED CONSTRUCTION COST								17,866
SUPERVISION, INSPECTION & OVERHEAD (5.5%)								983
TOTAL REQUEST								18,849
TOTAL REQUEST (ROUNDED)								19,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS					-	NON ADD		(0)
"Cost escalated from FY-89 to FY-90, by a cost factor of 1.04."								
10. DESCRIPTION OF PROPOSED CONSTRUCTION:								
Construct permanent two-story shops and craneway with reinforced concrete foundation, concrete floors, masonry walls, built-up roof and structural steel frame. Interior support systems include air conditioning, steam, compressed air, lube dispensing, plumbing, engine exhaust system, spray paint booth, overhead bridge cranes (75 ton, 20 ton, 15 ton, 10 ton, 5 ton and 1 ton); jib cranes (2 ton), overhead monorails (1 ton), twin post hydraulic vehicle lifts and wire partitions. Exterior support facilities includes concrete hardstand, concrete tank trail with roadway crossing, bituminous parking area, area lighting, security fencing, site work and utilities.								
(82 tons Air Conditioning)								
11. REQUIREMENT: <u>448,840 SF</u> ADEQUATE: <u>0 SF</u> SUBSTANDARD: <u>165,448 SF</u>								
PROJECT: Construct the third increment (210,300 SF) of a 442,600 SF Consolidated Field Maintenance Facility (3rd and 4th echelon maintenance) for 2nd Maintenance Bn., 2d Force Service Support Group to maintain and repair all East Coast Fleet Marine Force ground equipment.								



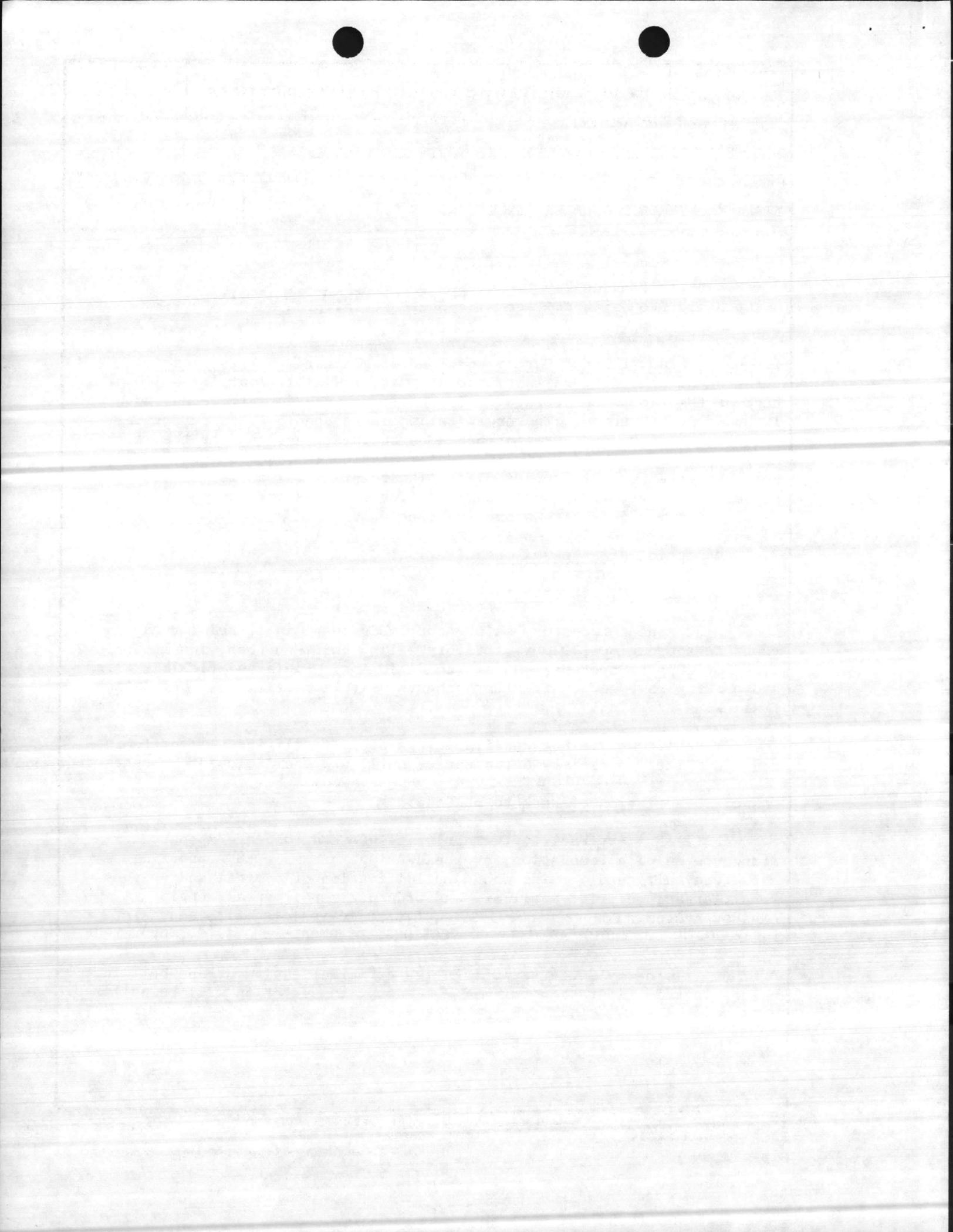
1. COMPONENT MARINE CORPS	FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)		5. PROJECT NUMBER P-804
<p>11. <u>REQUIREMENTS:</u> (cont'd)</p> <p><u>REQUIREMENT:</u> The 2d Maintenance Battalion has the requirement to perform field maintenance for all East Coast ground equipment which includes wheel and track vehicles (tanks, light armored vehicles, trucks, etc.), ordnance repair (artillery and tank weaponry), heavy construction weight handling equipment (bulldozers, cranes, etc.), and communications/electronics equipment. The 2d Maintenance Battalion provides field maintenance support for the 2d Marine Division and 2d Force Service Support Group located at Camp Lejeune, NC and the 2d Marine Air Wing with elements located in these areas: Cherry Point, NC; New River, NC; and Beaufort, SC. The total requirement for this facility is 448,840 SF. This third increment provides adequate facilities for the Artillery and Ordnance Field Maintenance portion of this facility. One subsequent increment will be required for tracked vehicle field maintenance, planned for FY-90. Two previous increments are presently under development in the FY-87 and FY-88 MILCON programs. These increments will provide adequate facilities for the Motor Transport and Electronic/Communications Field Maintenance portions of the facility.</p> <p><u>CURRENT SITUATION:</u> The 2nd Maintenance Bn., performs field maintenance in only 165,448 SF of area in four converted warehouses, a WW-11 maintenance depot, and a small metal Butler building. These facilities (Bldgs. 900,901,902, 905, 1607 and 1771) are scattered throughout the Industrial Area of Camp Lejeune. The Artillery and Ordnance maintenance is being performed at several areas within the indicated facilities. Staging areas for equipment to be repaired are also scattered throughout the Industrial Area. Scatteration of and makeshift substitute work spaces cause cumbersome and uncoordinated work efforts severely hampering the mission of this Battalion.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The deadline time on equipment will remain adversely affected and maintenance capability will continue to be impaired with resulting adverse affect on the combat readiness of the Fleet Marine Force.</p>		



1. COMPONENT MARINE CORPS	FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
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4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)		5. PROJECT NUMBER P-804
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is not incorporated in this project. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this project. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 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. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76)</u>: Not applicable. 		



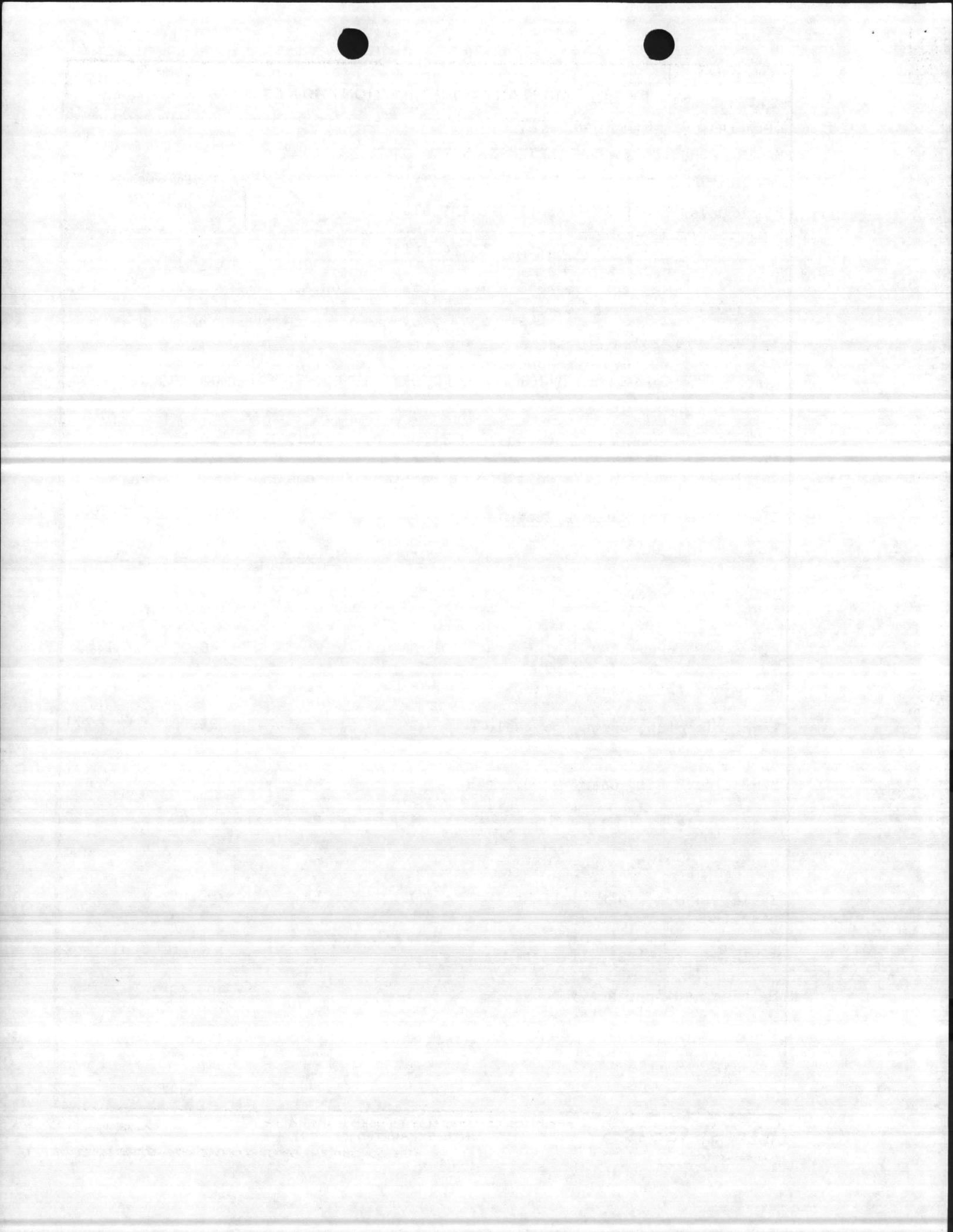
1. COMPONENT MARINE CORPS	90 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804	
<p><u>FACILITY STUDY</u></p> <p>1. <u>Project</u>: Provide 210,300 SF of Combat/Automotive/Track Field Maintenance Shop area as Increment 3 of a total planned 448,840 SF maintenance complex.</p> <p>2. <u>Current and Planned Future Workload with Regard to This Project</u>: The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work week is spent in the shops. The organization is responsible for performing third and fourth echelon maintenance on equipment assigned to the 2d Marine Division (FMF); Marine Corps Air Station (H), New River; and 2d Force Service Support Group (REIN). The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.</p> <p>3. <u>Description of Proposed Organization</u>:</p> <p>a. <u>Type of Construction</u>:</p> <p>Permanent two-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roof, insulation, interior support systems, and air conditioning. Rigid and flexible walks and parking pavements, site improvements, exterior utilities, paved tank trail with crossings.</p> <p>b. <u>Replacement</u>: Not applicable; existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p>c. <u>Description of Work to be Done</u>:</p> <p>(1) <u>Primary Facility</u>: Modular reinforced concrete/masonry structure on pile foundation, overhead bridge cranes with supporting structure, air conditioning and dehumidification of optical and weapons repair areas, security artillery and ordnance repair areas, engine exhaust system, central lube system, hydraulic vehicle lifts and paint spray booth. Exterior utility connections, pavements and site improvements.</p> <p>(2) <u>Energy Conservation</u>: Energy efficient equipment and building materials and orientation for maximum energy conservation will be utilized.</p>		



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<p>(3) <u>Collateral Equipment:</u></p> <p>(a) <u>Built-in MCON Funded:</u></p> <ul style="list-style-type: none"> *Venetian blinds and window screens *Air Conditioning, heating, and ventilating systems *Interior steam system *Sprinkler system *Plumbing system *Telephone, fire alarm, and intercom systems *Drinking water coolers *Air hose reel, 150 PSI H.D., w/hose control valve and hose stop (ceiling, wall, or pedestal mounted) *Elec extension cord reel, H.D. w/cord stop (ceiling, wall, or pedestal mounted) *Water hose reel, H.D., w/hose control valve and hose stop (ceiling, wall or pedestal mounted) *Lube hose reel, H.D., w/hose control (ceiling, wall or pedestal mounted) *Exhaust system, underground (automotive or construction equipment) *Pass window, 4' wide, w/counter & "B" label roll down shutter, w/fusible link, if required * 1 Ton overhead monorail * 1 Ton overhead bridgecrane * 5 Ton overhead bridgecrane *10 ton overhead bridgecrane *15 Ton overhead bridgecrane 		



1. COMPONENT MARINE CORPS		FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA		2. DATE 30 Sep 86																																																																		
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<p>(3) <u>Collateral Equipment</u>: (Continued)</p> <p>*20-ton overhead bridgecrane w/5 ton Auxilliary hook</p> <p>*75-ton overhead bridgecrane w/20 ton Auxiliary hook</p> <p>*2 Ton Jib Crane</p> <p>*Paint spray booths</p> <p>*Twin post hydraulic lift, H.D. 11,000 lb capacity</p> <p>*Paint drying oven</p> <p>*Twin post hydraulic lift, H. D., 24,000 lb. capacity</p> <p>*6, 12 & 24 volt DC Engine Start Systems</p> <p>(b) <u>Expense Items</u>:</p> <table border="1"> <thead> <tr> <th><u>Description</u></th> <th><u>Qty</u></th> <th><u>Unit Issue</u></th> <th><u>Unit Price</u></th> <th><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>Bench, work, stationary, 28"D, 34"H</td> <td>88</td> <td>EA</td> <td>159,59</td> <td>\$14,043</td> </tr> <tr> <td>Bin parts, rota, 3'D, multi-bin</td> <td>3</td> <td>EA</td> <td>360.00</td> <td>1,080</td> </tr> <tr> <td>Shelving, 12"W, w/adj Stds</td> <td>6</td> <td>EA</td> <td>90.00</td> <td>540</td> </tr> <tr> <td>Tank, cleaning, parts, portable 38'x22'x34'</td> <td>2</td> <td>EA</td> <td>395.00</td> <td>790</td> </tr> <tr> <td>Bench, work stationary 36"D, 34"H</td> <td>2</td> <td>EA</td> <td>106,86</td> <td>214</td> </tr> <tr> <td>Stand, axle</td> <td>1</td> <td>EA</td> <td>200.00</td> <td>200</td> </tr> <tr> <td>Machine, sewing, light textile</td> <td>1</td> <td>EA</td> <td>850.00</td> <td>850</td> </tr> <tr> <td>Table, layout, 16'x5', light textile</td> <td>1</td> <td>EA</td> <td>200.00</td> <td>200</td> </tr> <tr> <td>Table, work 16'x2', light textile</td> <td>7</td> <td>EA</td> <td>175.00</td> <td>1,225</td> </tr> <tr> <td>Machine, sewing, heavy canvas</td> <td>3</td> <td>EA</td> <td>1,100.00</td> <td>3,300</td> </tr> <tr> <td>Table, work, 16'x7' wood top</td> <td>3</td> <td>EA</td> <td>225.00</td> <td>675</td> </tr> <tr> <td>Shelving, 24"W</td> <td>1,324</td> <td>LF</td> <td>10.00</td> <td>13,240</td> </tr> </tbody> </table>						<u>Description</u>	<u>Qty</u>	<u>Unit Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>	Bench, work, stationary, 28"D, 34"H	88	EA	159,59	\$14,043	Bin parts, rota, 3'D, multi-bin	3	EA	360.00	1,080	Shelving, 12"W, w/adj Stds	6	EA	90.00	540	Tank, cleaning, parts, portable 38'x22'x34'	2	EA	395.00	790	Bench, work stationary 36"D, 34"H	2	EA	106,86	214	Stand, axle	1	EA	200.00	200	Machine, sewing, light textile	1	EA	850.00	850	Table, layout, 16'x5', light textile	1	EA	200.00	200	Table, work 16'x2', light textile	7	EA	175.00	1,225	Machine, sewing, heavy canvas	3	EA	1,100.00	3,300	Table, work, 16'x7' wood top	3	EA	225.00	675	Shelving, 24"W	1,324	LF	10.00	13,240
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542					
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)				5. PROJECT NUMBER P-804	
(b) <u>Expense Items:</u> (Continued)					
<u>Description</u>		<u>Qty</u>	<u>Unit Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Machine, OM, cleaning, 2'x5'		1	EA	300.00	300
Tanks, OM equip rinse, 2'x2'		3	EA	35.00	105
Bench, OM repair, 3'x4'		24	EA	60.00	1,440
Bench, electronics repair, 36"x144"x34"H		47	EA	90.00	4,230
Cleaner, ultrasonic (electronic components)		2	EA	1,000.00	2,200
Racks, store 48"Dx48"H		1	EA	125.00	125
Racks, store, 36"Dx24"H		3	EA	100.00	<u>300</u>
Extinguishers, fire 2½ gallon air expelled water, class A stainless steel		10	EA	25.98	260
Extinguisher, fire 20 lb HALON		6	EA	90.00	<u>540</u>
TOTAL EXPENSE ITEMS					\$45,857.
3. INVESTMENT ITEMS: None					
4. APA EQUIPMENT: None					
5. TRAINING EQUIPMENT: None					
(4) <u>Supporting Facilities:</u> Special piling, foundation, colla- teral equipment, site improvement, pollution abatement, utility connections, etc. No demolition will be accomplished on this project.					



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<p>4. <u>Cost Estimate:</u> Area cost factor for Camp Lejeune, NC is 0.86. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-89: A contingency factor of 5% is being used for this project.</p> <p>5. <u>Justification for Project and for Scope of Project:</u></p> <p style="padding-left: 40px;">a. <u>Justification for Project:</u></p> <p style="padding-left: 80px;">(1) <u>Project:</u> Proposed facilities are required to provide maintenance personnel with adequate and secure facilities to perform artillery and ordnance maintenance.</p> <p style="padding-left: 80px;">(2) <u>Current Situation:</u> Personnel are working in substandard and makeshift facilities that are totally inadequate in size, configuration, utility requirements, and site location.</p> <p style="padding-left: 80px;">(3) <u>Impact If Not Provided:</u> Personnel will continue to work in substandard and makeshift facilities, resulting in loss of work-time and wasted energy.</p> <p style="padding-left: 40px;">b. <u>Justification for Scope of Project:</u> The project scope, 210,300 SF, is the minimum size facility that can meet the deficiency requirements for the Combat/Automotive/Track Field Maintenance Shop needs of the Maintenance Battalion of the 2d Force Service Support Group. See paragraph 13.</p> <p>6. <u>Equipment Provided from Other Appropriations:</u> Not applicable.</p> <p>7. <u>Common Support Facilities:</u> Not applicable. There are no common support facilities available in the French Creek Area.</p> <p>8. <u>Effect on Other Resources:</u> The project will require approximately \$10,000 per year 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.</p>		

1. COMPONENT MARINE CORPS	FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86															
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<p style="text-align: center;"><u>UTILITY REQUIREMENTS</u></p> <p>a. <u>Electricity:</u></p> <table style="margin-left: 40px;"> <tr><td>Consumption:</td><td>1,500,000</td><td>KWHR/YR</td></tr> <tr><td>Peak Demand:</td><td>900</td><td>KW</td></tr> <tr><td>Avg. Demand:</td><td>-</td><td>KW</td></tr> </table> <p>b. <u>Steam:</u></p> <table style="margin-left: 40px;"> <tr><td>Consumption:</td><td>2,372,500</td><td>Lbs/Yr</td></tr> <tr><td>Demand:</td><td>1,500</td><td>Lbs/Yr</td></tr> </table> <p>c. <u>Coal:</u> - Tons/Yr</p> <p>d. Adequate utilities will be provided by P-240, FY-85.</p> <p>9. <u>Siting of the Project:</u> This facility will be located in the French Creek Area, in keeping with the Camp Lejeune Master Plan. See enclosure (1).</p> <p>10. <u>Other Graphic Presentations, including Photographs:</u> See Facility Planning Document (encl 2).</p> <p>11. <u>Economic Analysis:</u> This facility is being constructed on an undeveloped site. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.</p> <p>12. <u>Environmental Impact Assessment:</u> An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.</p> <p>13. <u>Quantitative Data:</u></p> <p>a. <u>Unit of Measure:</u> Square feet.</p> <p>b. <u>Total Requirement:</u> 448,840 SF. The Basic Facility Requirement for the French Creek area (EA) is 448,840 SF. NAVFAC P-80 states that the requirement for this category code (214-53) is determined from definitive drawings given in NAVFAC P-272, Part IV.</p>			Consumption:	1,500,000	KWHR/YR	Peak Demand:	900	KW	Avg. Demand:	-	KW	Consumption:	2,372,500	Lbs/Yr	Demand:	1,500	Lbs/Yr
Consumption:	1,500,000	KWHR/YR															
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1. COMPONENT MARINE CORPS	FY 19 ⁹⁰ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
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3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJUENE, NORTH CAROLINA 28542

4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804
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<u>NAVFAC DWG #</u>	<u>DESCRIPTION</u>	<u>AREA SF</u>
1294489	Combat/Automotive/Track Fld Maint Shop	220,000
1294490	"	53,000
1294491	"	47,500
1294492	"	48,000
1294493	"	52,800
1294508	Vehicle Inspection Station	7,540
1294444	Operational Readiness Float and Utilities Platoon	20,000
	Total	448,840

c. Existing Substandard: 165,448 SF

<u>BUILDING NO.</u>	<u>AREA SF</u>
900*	3,600
901*	21,224
902*	50,064
905*	13,640
1601*	62,000
1771	14,920
Total	165,448 SF

*multi-use type buildings.

d. Existing Inadequate: 0

e. Existing Adequate: 0

f. Other Assets, Not in Inventory: 0

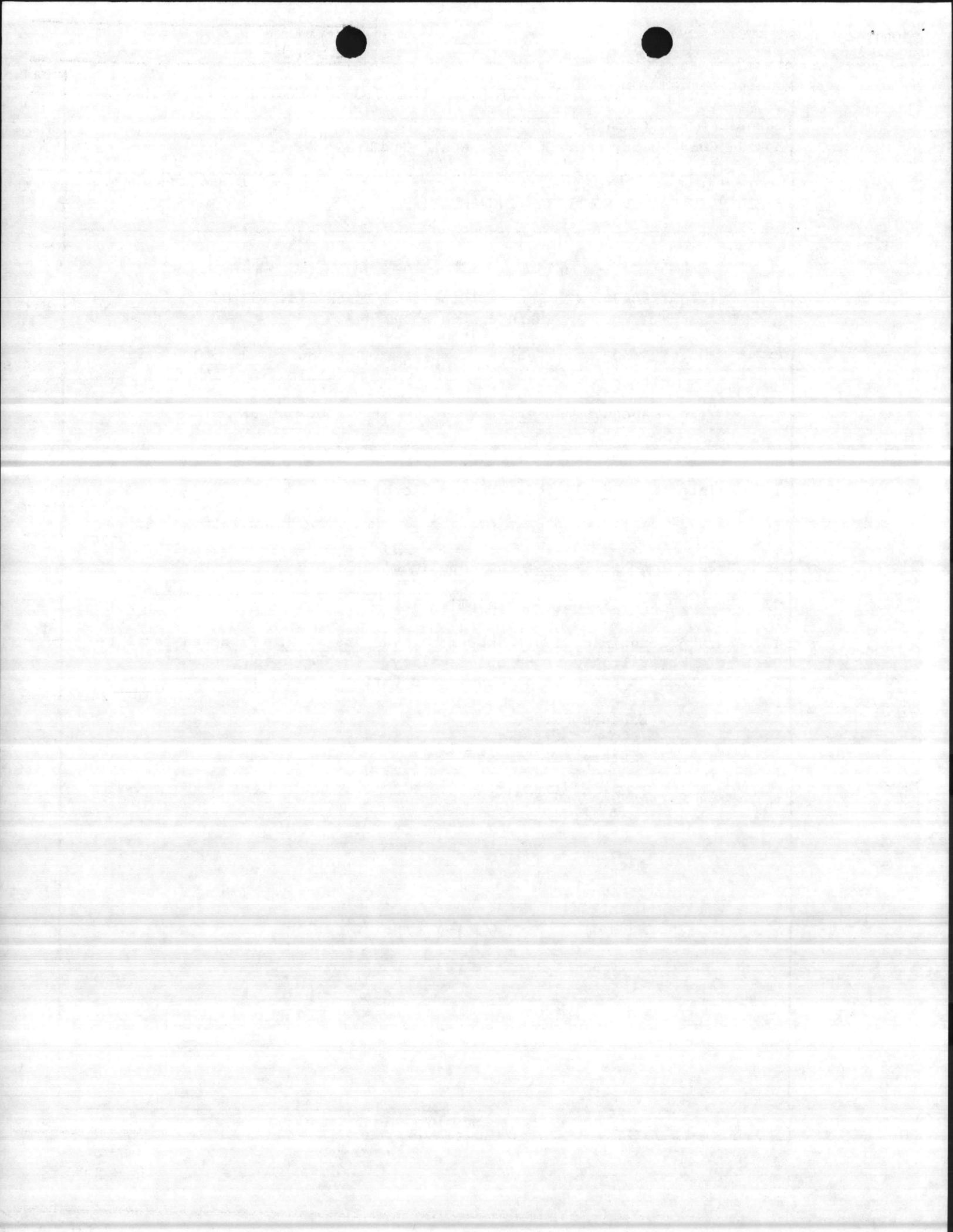
g. Funded, Not in Inventory: (FY-87) 60,540 SF

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4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804
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<u>NAVFAC Dwg</u>	<u>Description</u>	<u>Area SF</u>
1294490	Combat/Automotive/Track Fld Maintenance Shop	53,000
1294508	Vehicle Inspection Station	7, 540
	Total	60, 540 SF
h. <u>Adequate Assets</u> : (e + f + g) = 60, 540 SF		
i. <u>Deficiency</u> : (b - h) = 388,300 SF		
14. <u>Maintenance Facilities</u> : Not applicable.		
15. <u>Morale, Welfare and Recreation Facilities</u> : Not applicable.		
16. <u>Relocation Facilities</u> : Not applicable.		
17. <u>Storage Facilities</u> : Not applicable.		
18. <u>Hazard Identification, Assessment, and Analysis</u> . Proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:		
a. Exhaust fumes.		
b. Battery acid fumes.		
c. Gasoline/diesel fumes.		



SECTION A
FOR USE BY REQUESTER

FROM
 Marine Corps Base, Camp Lejeune, North Carolina 28542

CATEGORY CODE AND PROJECT TITLE 214-53 FIELD MAINTENANCE COMPLEX (Increment III)	TYPE OF FUNDING MCON	COST (\$000) 19,500	PROGRAM YEAR FY-90
PROJECT DESCRIPTION Construct 2-story shops and craneway with rein. conc. foundation, conc. floors, HVAC systems, Lube dispensing, paint spray booths and overhead bridge cranes.	REMARKS This project provides the third increment of a consolidated Field Maint. Complex for the 2d Maintenance Bn., 2d FSSG.		
TYPE OF MAP Site Location Map (Encl 1)	DATE -	REQUESTED BY (Typed name and signature) <i>W.L. Brant</i> W. L. BRANT	DATE

SECTION B
HQMC REVIEW AND ANALYSIS

ANALYSIS
 (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
X					
a. COMPATIBLE WITH ACTIVITY PLANNED DEVELOPMENT GOALS			d. COMPLIES WITH THE FOLLOWING CRITERIA:		
X					X
b. DEMONSTRATES SOUND PLANNING PRINCIPLES			(1) AMMUNITION AND EXPLOSIVES		
X					X
c. MEETS MINIMUM PLANNING AND SITING CRITERIA			(2) ELECTROMAGNETIC RADIATION		
					X
					X
					X
					X
					X
					X

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

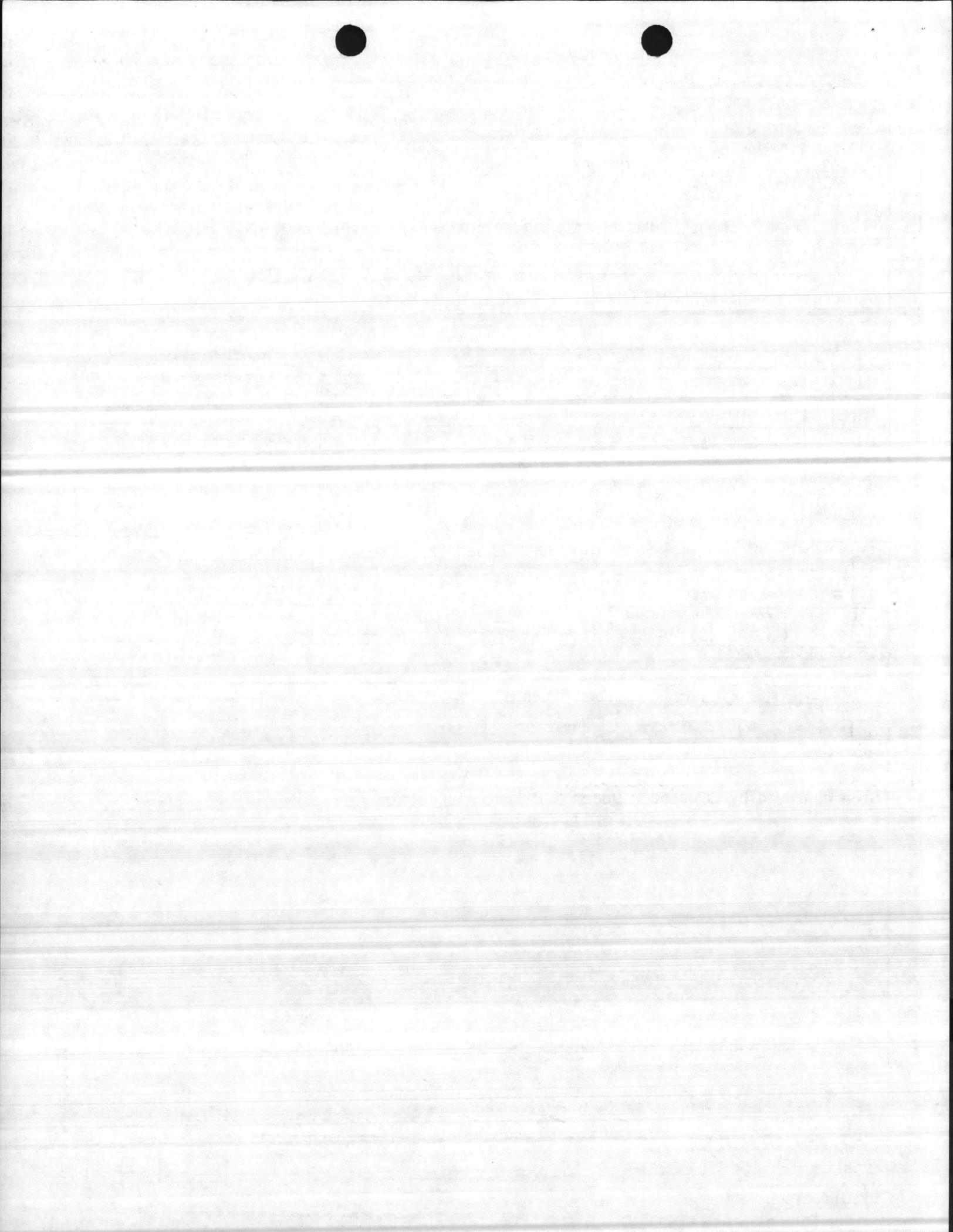
APPROVED DISAPPROVED DEFERRED

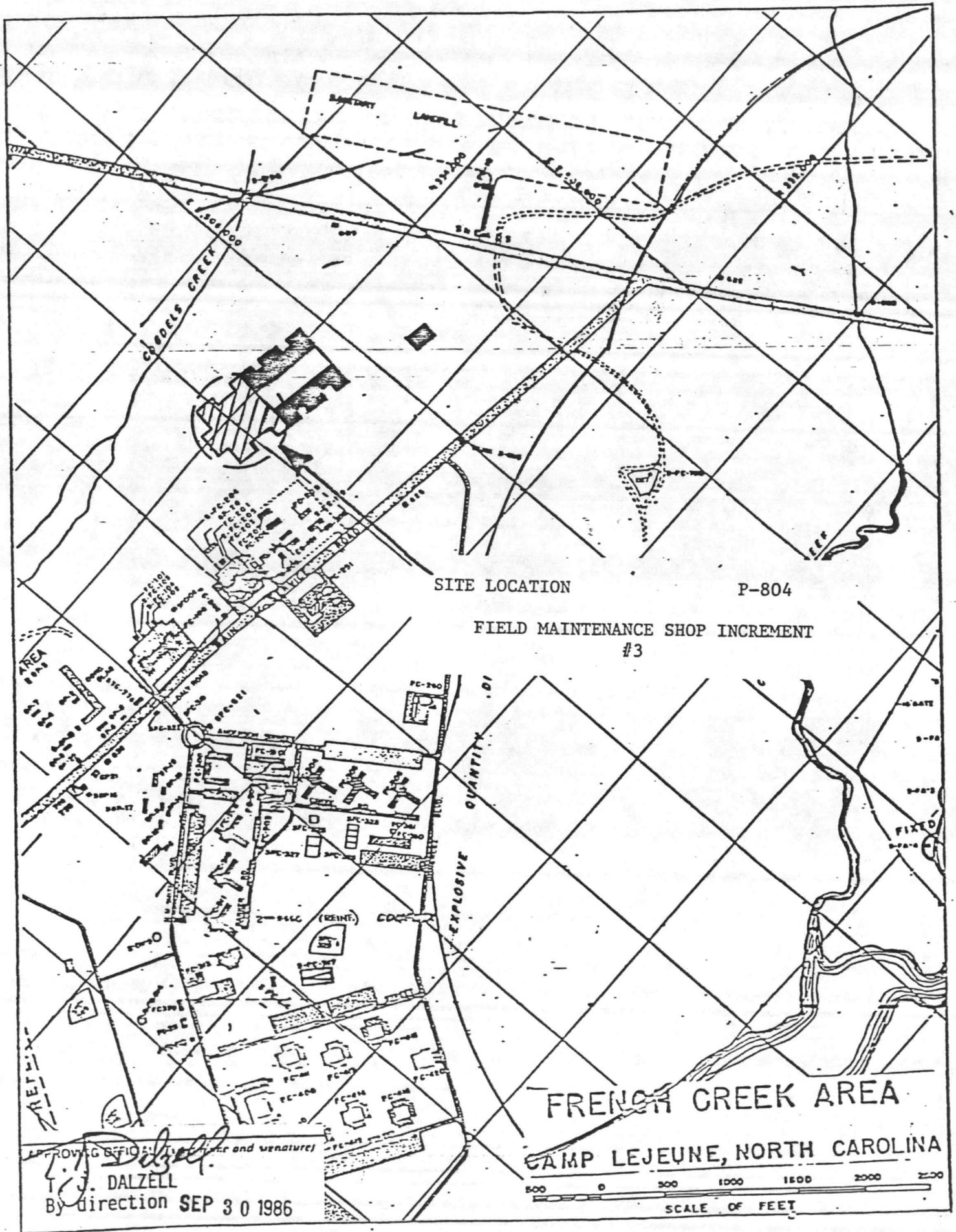
REMARKS

Site approved by Commander under MCO 11000.12c.

APPROVING OFFICIAL (Typed name and signature)
T.J. Dalzell
 T. J. DALZELL
 By direction

DATE
 SEP 30 1986





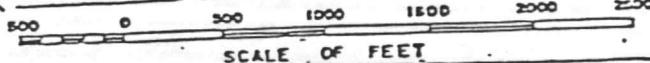
SITE LOCATION

P-804

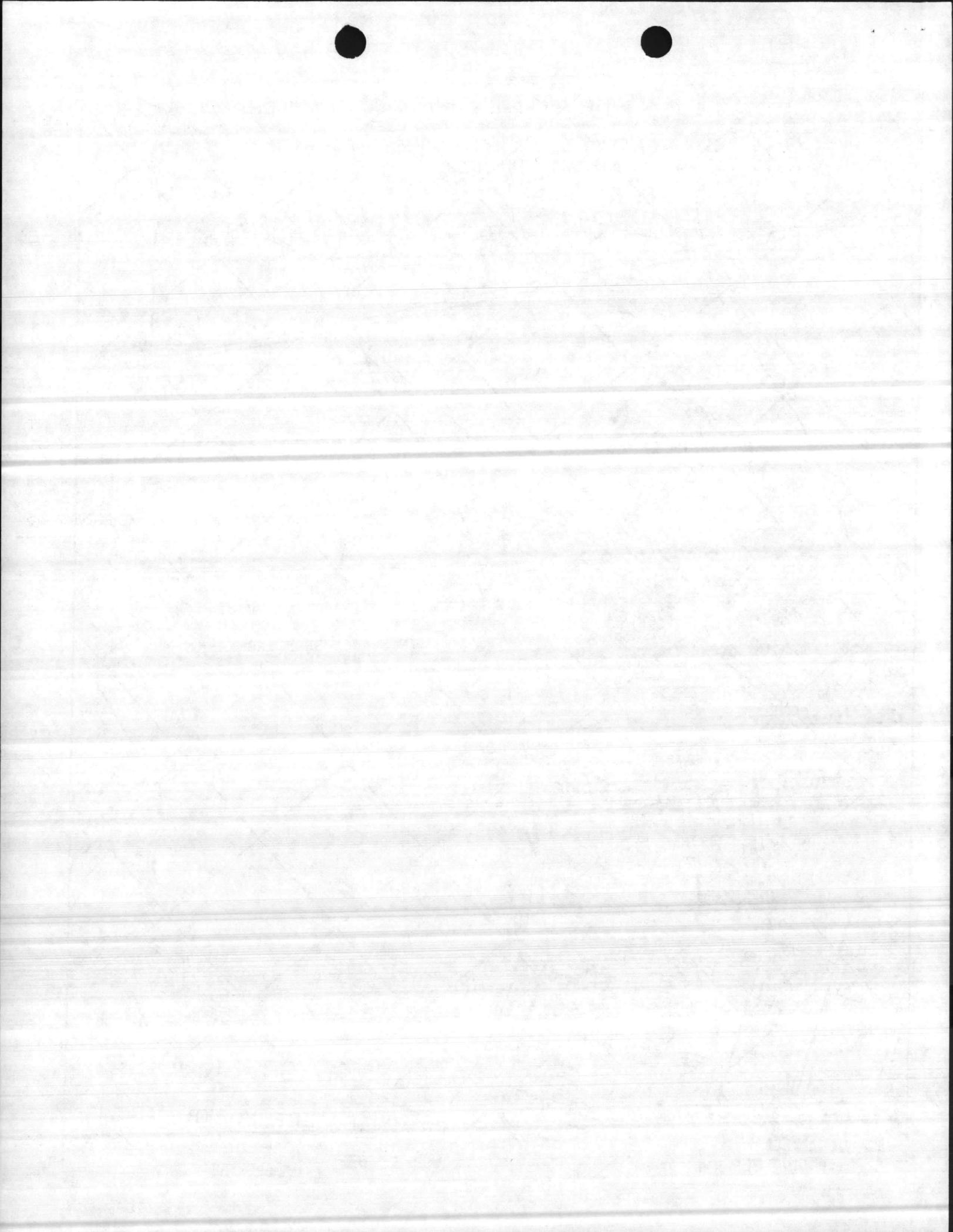
FIELD MAINTENANCE SHOP INCREMENT #3

FRENCH CREEK AREA

CAMP LEJEUNE, NORTH CAROLINA



APPROVING OFFICER: *T. J. Dalzell*
 T. J. DALZELL
 By direction SEP 30 1986



FACILITIES PLANNING DOCUMENT

TIME: 08.28.05

DATE: 08/05/86

ACTIVITY UIC....M67001 NAME....MCB CAMP LEJEUNE NC

SPEC AREA.....EA NAME....FRENCH CREEK

CATEGORY CODE...21453 DESCRIPTION...FLD MAINT SHOP

RQMT DATE.. 03 MAR 86 LATEST CHG DATE.. 05 AUG 86 RQMT APPRVL DATE.. 06 FEB 86

BASIC		FACILITY ASSETS DATA				QUANTITY	QUANTITY
FAC RQMT	UM	ADEQUATE	SUBSTNRD	INADEQUATE	OTHER	DEFICIENT	SURPLUS
448840	(SF)					448840	

FACILITY		DETAIL				SATISFACTION OF		DEF/SURP				
FAC NO	U	EE	C	ADEQUATE	SUBSTNRD	INADEQTE	DEF	CODES	ACTION ID	D	SCOPE	NT
ACQ									CONSTR	P257	+	60540 01
ACQ									CONSTR	P803	+	48000 02
ACQ									CONSTR	P256	+	13760 03
ACQ									CONSTR	P804	+	210300 04
ACQ									CONSTR	P805	+	110000 05

TOTAL PROPOSED ADEQUATE ASSETS = 442600

NOTES FOR CATEGORY CODE.. 21453

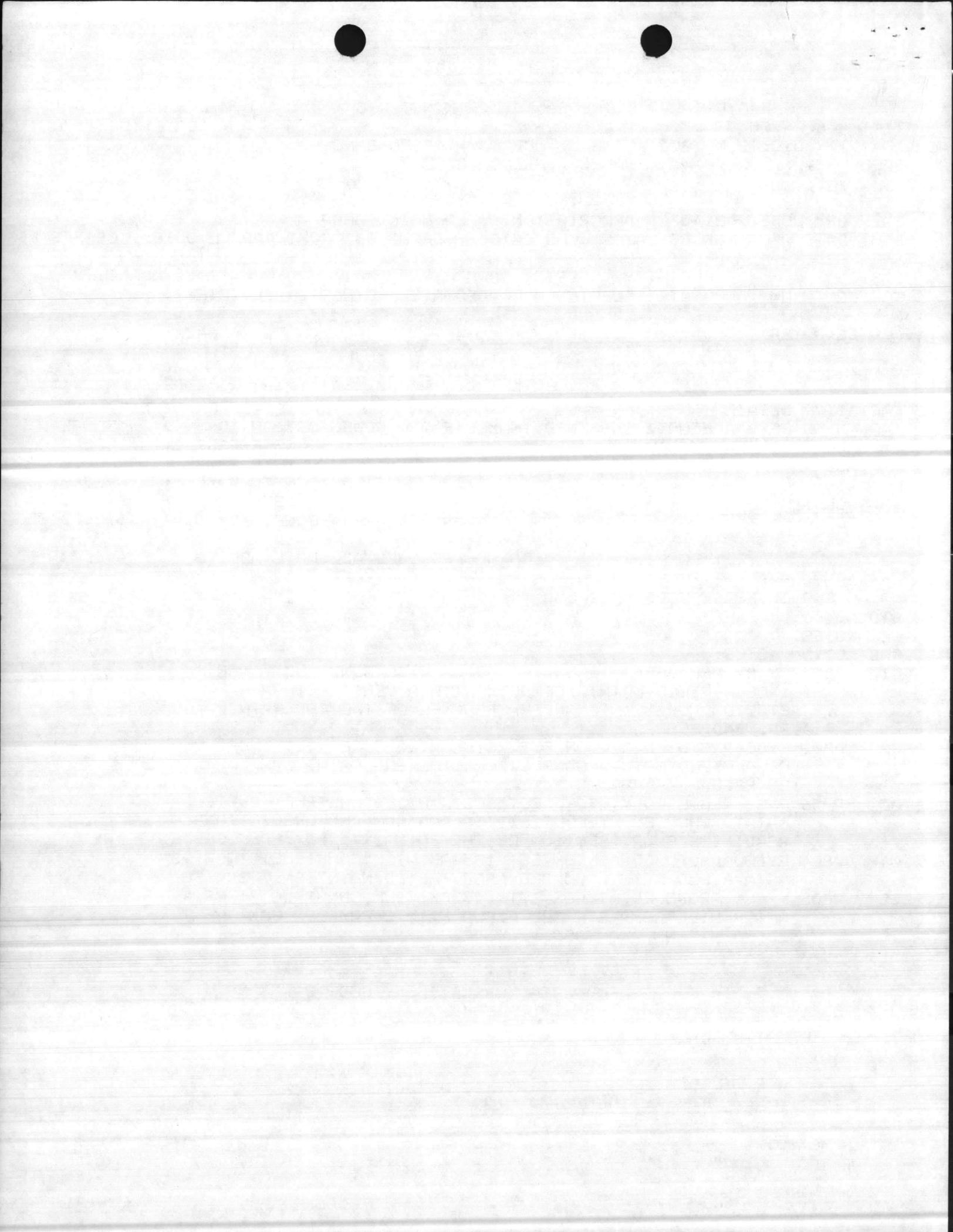
STD NOTES:

GEN NOTES:

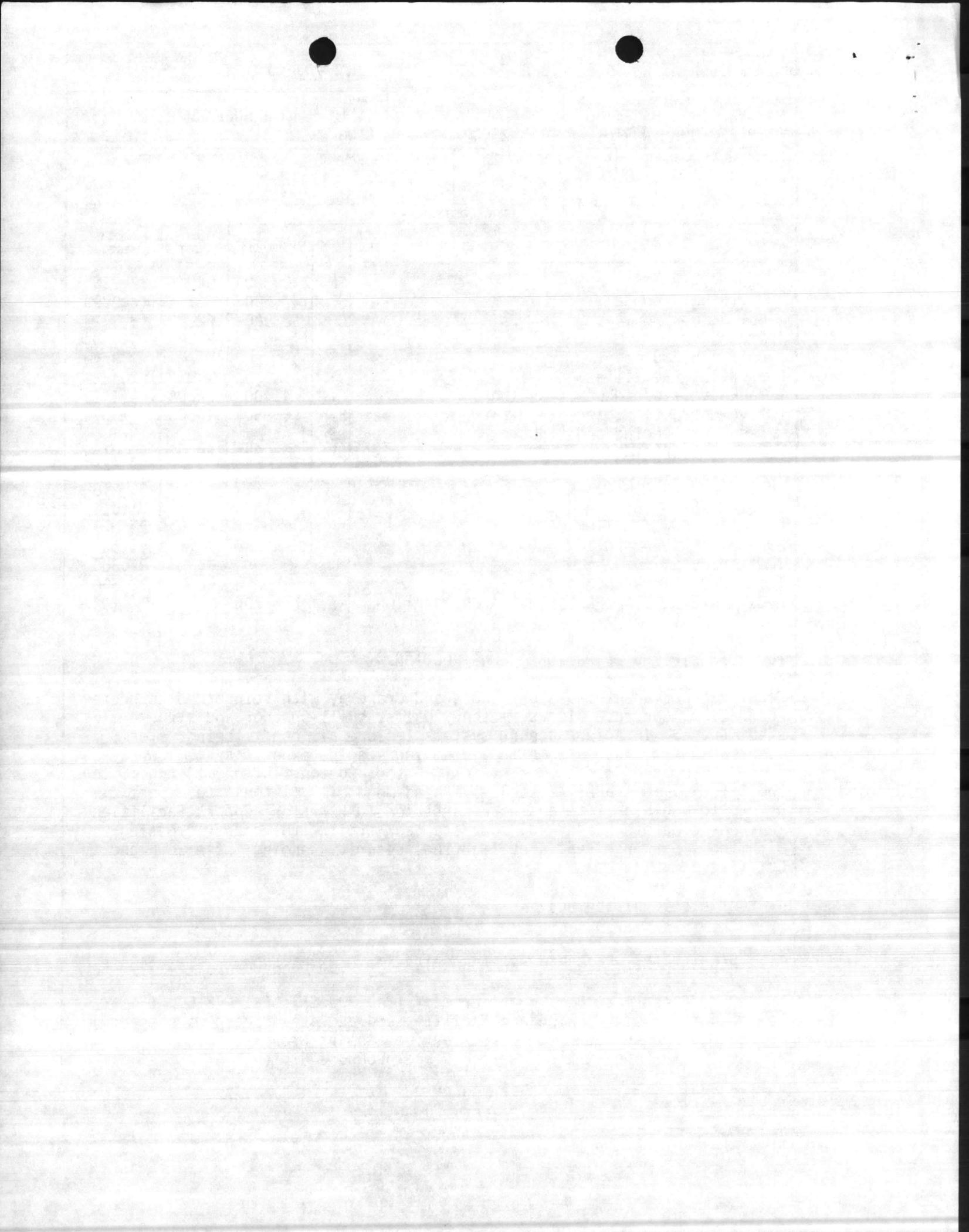
FPD ACTION NOTES:

- 01 P257 FY 87 PROPOSED MILCON EST 5900K WILL CONSTRUCT INCR. 1 OF A FIELD MAINT. COMPLEX WITH A VEHICLE INSPEC. STATION FOR MAINTENANCE PERSONNEL OF THE 2ND MAINT. BN. 2ND FSSG.
- 02 P803 FY88 PROPOSED MILCON EST 7600K WILL CONSTRUCT INCR. 2 OF A FIELD MAINT. COMPLEX FOR THE 2ND MAINT. BN., 2D FSSG.
- 03 P256 FY88 PROPOSED MILCON, EST 3050K WILL CONSTRUCT A FIELD MAINT. SHOP FOR THE UTILITIES PLATOON AND ORGAZATIONAL READINESS FLOAT SECTION OF THE 2D MAINT. BN., 2D FSSG.
- 04 P804 FY 90 PROPOSED MILCON EST 19500K WILL CONSTRUCT INCR. 3 OS A FIELD MAINT. COMPLEX FOR THE 2D MAINT BN., 2DFSSG.
- 05 P805 FY 91 PROPOSED MILCON EST 14700K WILL CONSTRUCT INCR 4 WHICH WILL COMPLETE THE FIELD MAINT. COMPLEX FOR THE 2D MAINT BN., 2D FSSG.

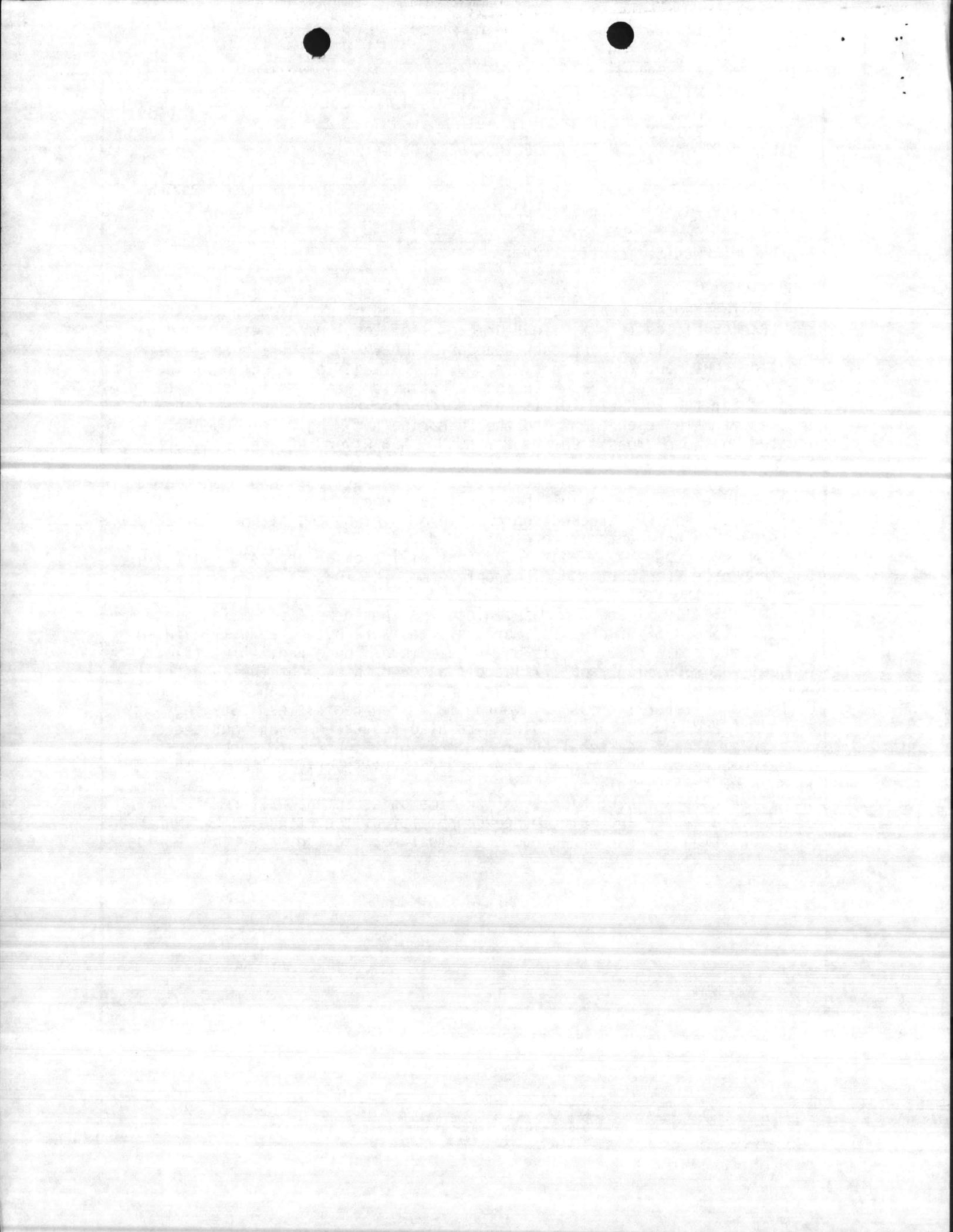
END DATA FOR CATEGORY CODE 21453



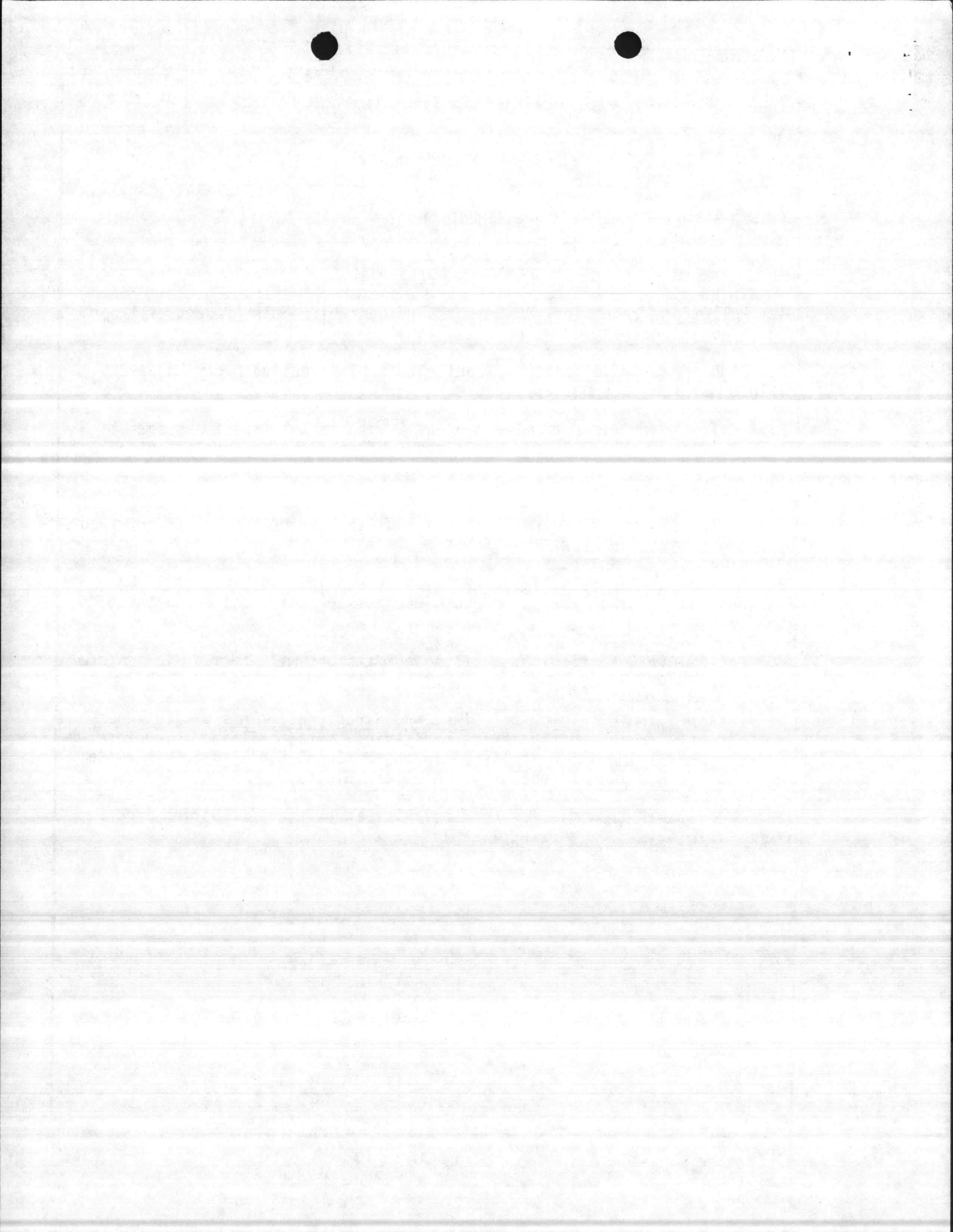
1. COMPONENT MARINE CORPS		89 FY 19 <u>89</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE 20 Feb 86	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA 28542			4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)		
5. PROGRAM ELEMENT		6. CATEGORY CODE 214-53	7. PROJECT NUMBER P-804	8. PROJECT COST (\$000) 22,500	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIELD MAINTENANCE SHOP		SF	210,300	84.34	17,736
Building- Shop 2		SF	47,500	62.72	(2,979)
Building- Shop 4		SF	52,800	62.72	(3,312)
Craneway		SF	110,000	82.63	(9,089)
Built-in Equipment		LS	-	-	(2,356)
Supporting Facilities		LS	-	-	2,482
Tank trail w/highway crossing		SY	4,400	32.04	(141)
Pavements, flexible		SY	6,950	14.00	(97)
Security Fencing and Lighting		LS	-	-	(185)
Pavement, rigid		SY	35,000	29.02	(1,016)
Utilities and Site Improvements		LS	-	-	(1,043)
SUBTOTAL					20,218
CONTINGENCY - (5%)					1,011
ESTIMATED CONSTRUCTION COST					21,229
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					1,167
TOTAL REQUEST					22,396
TOTAL REQUEST (ROUNDED)					22,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	NON ADD		(0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
<p>Construct permanent two-story shops and craneway with reinforced concrete foundation, concrete floors, masonry walls, built-up roof and structural steel frame. Interior support systems include air conditioning, steam, compressed air, lube dispensing, plumbing, engine exhaust system, spray paint booth, overhead bridge cranes (75 ton, 20 ton, 15 ton, 10 ton, 5 ton and 1 ton); jib cranes (2 ton), overhead monorails (1 ton), twin post hydraulic vehicle lifts and wire partitions. Exterior support facilities includes concrete hardstand, concrete tank trail with roadway crossing, bituminous parking area, area lighting, security fencing, site work and utilities.</p> <p>(82 tons Air Conditioning)</p>					
11. REQUIREMENT: <u>448,840 SF</u> ADEQUATE: <u>0 SF</u> SUBSTANDARD: <u>165,448 SF</u>					
<p>PROJECT: Construct the third increment (210,300 SF) of a 442,600 SF Consolidated Field Maintenance Facility (3rd and 4th echelon maintenance) for 2nd Maintenance Bn., 2d Force Service Support Group to maintain and repair all East Coast Fleet Marine Force ground equipment.</p>					



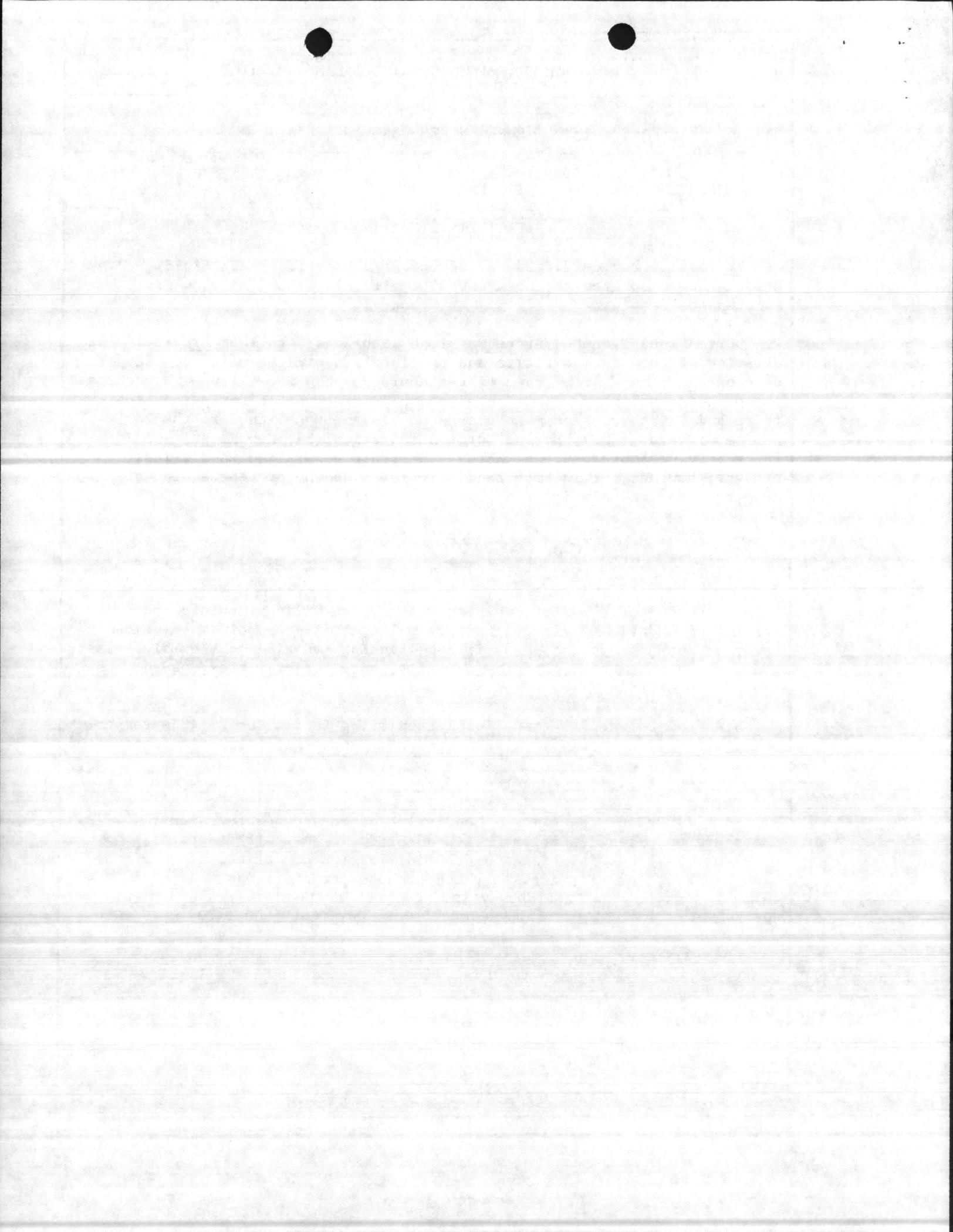
1. COMPONENT MARINE CORPS	FY 19 ⁸⁹ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)	5. PROJECT NUMBER P-804	
<p>11. <u>REQUIREMENTS: (cont'd)</u></p> <p><u>REQUIREMENT:</u> The 2d Maintenance Battalion has the requirement to perform field maintenance for all East Coast ground equipment which includes wheel and track vehicles (tanks, light armored vehicles, trucks, etc.), ordinance repair (artillery and tank weaponry), heavy construction weight handling equipment (bulldozers, cranes, etc.), and communications/electronics equipment. The 2d Maintenance Battalion provides field maintenance support for the 2d Marine Division and 2d Force Service Support Group located at Camp Lejeune, NC and the 2d Marine Air Wing with elements located in these areas: Cherry Point, NC; New River, NC; and Beaufort, SC. The total requirement for this facility is 448,840 SF. This third increment provides adequate facilities for the Artillery and Ordnance Field Maintenance portion of this facility. One subsequent increment will be required for tracked vehicle field maintenance, planned for FY-90. Two previous increments are presently under development in the FY-87 and FY-88 MILCON programs. These increments will provide adequate facilities for the Motor Transport and Electronic/Communications Field Maintenance portions of the facility.</p> <p><u>CURRENT SITUATION:</u> The 2nd Maintenance Bn., performs field maintenance in only 165,448 SF of area in four converted warehouses, a WW-11 maintenance depot, and a small metal Butler building. These facilities (Bldgs. 900,901,902, 905, 1607 and 1771) are scattered throughout the Industrial Area of Camp Lejeune. The Artillery and Ordnance maintenance is being performed at several areas within the indicated facilities. Staging areas for equipment to be repaired are also scattered throughout the Industrial Area. Scatteration of and makeshift substitute work spaces cause cumbersome and uncoordinated work efforts severly hampering the mission of this Battalion.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The deadline time on equipment will remain adversely affected and maintenance capability will continue to be impaired with resulting adverse affect on the combat readiness of the Fleet Marine Force.</p>		



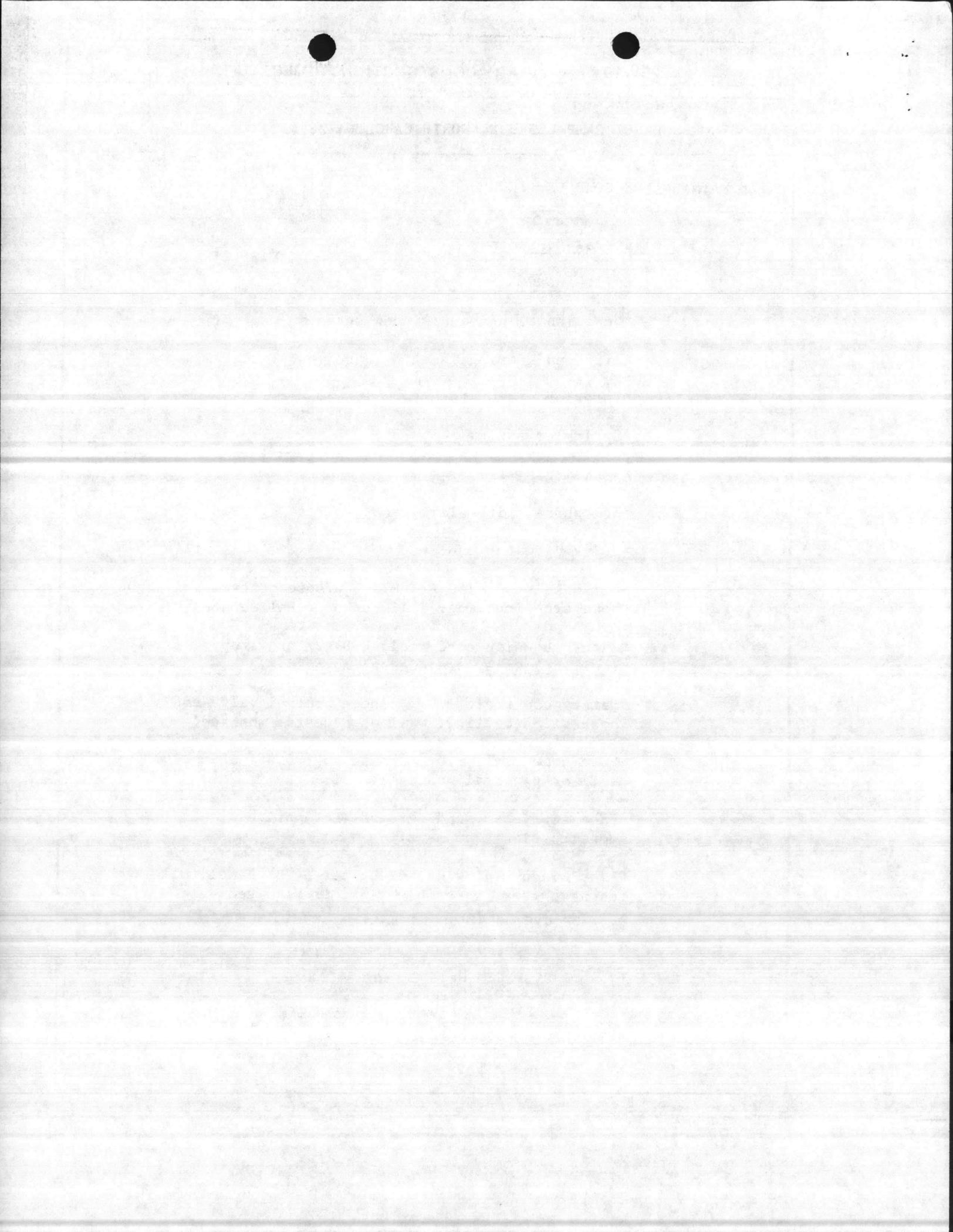
1. COMPONENT MARINE CORPS	FY 19 <u>89</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT 3)		5. PROJECT NUMBER P-804
<p style="text-align: center;"><u>SPECIAL CONSIDERATIONS</u></p> <ol style="list-style-type: none"> 1. <u>Pollution Prevention, Abatement, and Control</u>: This project will not cause additional air or water pollution. 2. <u>Flood Hazard Evaluation</u>: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable. 3. <u>Environmental Impact</u>: The project Environmental Impact Assessment has been made, reviewed, and where required, the design concepts give consideration to eliminating adverse environmental effects consistent with applicable directives. 4. <u>Fallout Shelter Construction</u>: Fallout shelter protection is not incorporated in this project. 5. <u>Design for Accessibility of Physically Handicapped Personnel</u>: Provisions for physically handicapped personnel are not required in this project. 6. <u>Use of Air Conditioning</u>: Ceiling "U" factors will be made to conform with DOD 4270.1-M. 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. <u>"New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76)</u>: Not applicable. 		



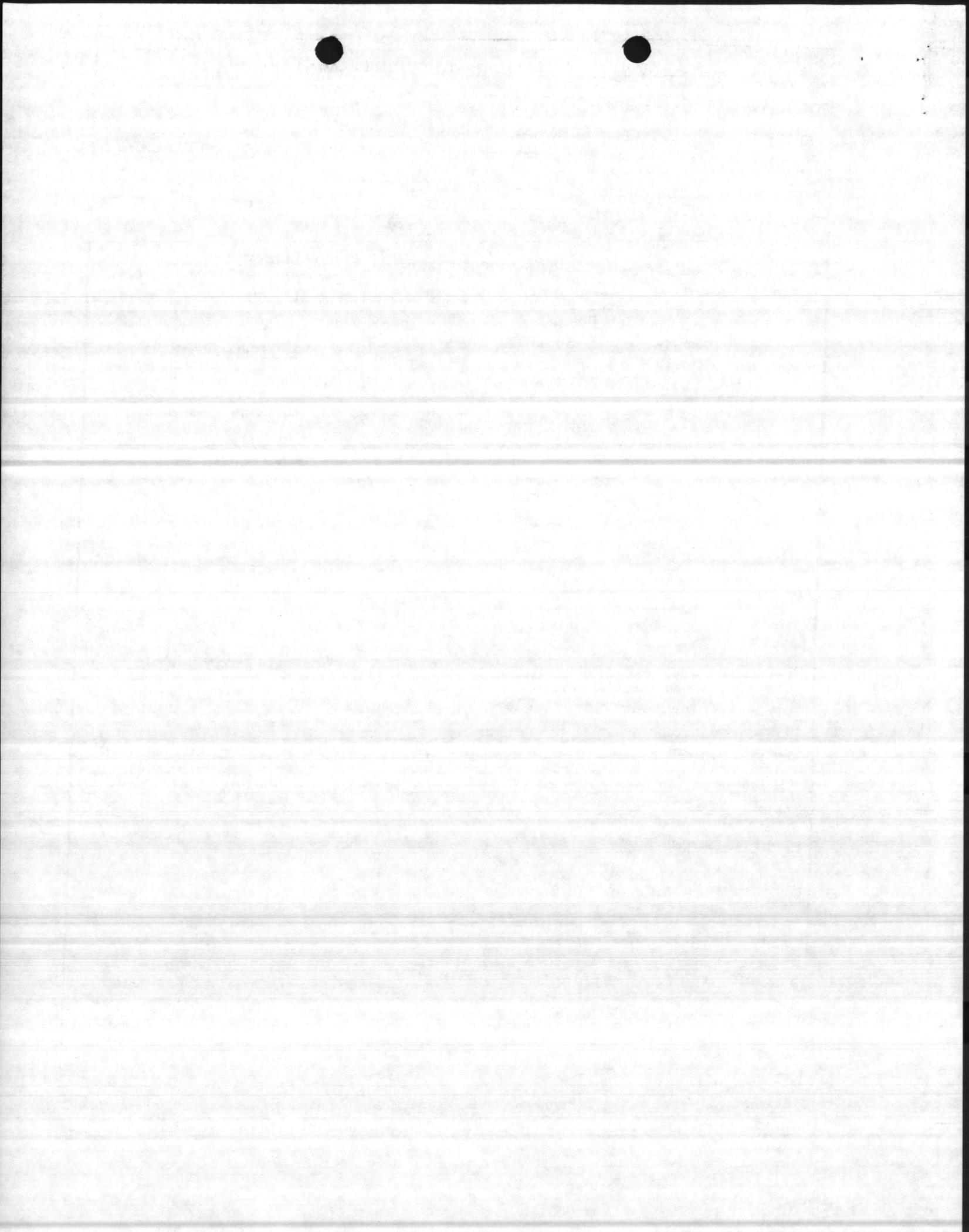
1. COMPONENT MARINE CORPS	FY 19 ⁸⁹ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
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<p><u>FACILITY STUDY</u></p> <p>1. <u>Project</u>: Provide 210,300 SF of Combat/Automotive/Track Field Maintenance Shop area as Increment 3 of a total planned 448,840 SF maintenance complex.</p> <p>2. <u>Current and Planned Future Workload with Regard to This Project</u>: The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work week is spent in the shops. The organization is responsible for performing third and fourth echelon maintenance on equipment assigned to the 2d Marine Division (FMF); Marine Corps Air Station (H), New River; and 2d Force Service Support Group (REIN). The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.</p> <p>3. <u>Description of Proposed Organization</u>:</p> <p>a. <u>Type of Construction</u>:</p> <p>Permanent two-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roof, insulation, interior support systems, and air conditioning. Rigid and flexible walks and parking pavements, site improvements, exterior utilities, paved tank trail with crossings.</p> <p>b. <u>Replacement</u>: Not applicable; existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.</p> <p>c. <u>Description of Work to be Done</u>:</p> <p>(1) <u>Primary Facility</u>: Modular reinforced concrete/masonry structure on pile foundation, overhead bridge cranes with supporting structure, air conditioning and dehumidification of optical and weapons repair areas, security artillery and ordnance repair areas, engine exhaust system, central lube system, hydraulic vehicle lifts and paint spray booth. Exterior utility connections, pavements and site improvements.</p> <p>(2) <u>Energy Conservation</u>: Energy efficient equipment and building materials and orientation for maximum energy conservation will be utilized.</p>		



1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804	
<p>(3) <u>Collateral Equipment:</u></p> <p>(a) <u>Built-in MCON Funded:</u></p> <ul style="list-style-type: none"> *Venetian blinds and window screens *Air Conditioning, heating, and ventilating systems *Interior steam system *Sprinkler system *Plumbing system *Telephone, fire alarm, and intercom systems *Drinking water coolers *Air hose reel, 150 PSI H.D., w/hose control valve and hose stop (ceiling, wall, or pedestal mounted) *Elec extension cord reel, H.D. w/cord stop (ceiling, wall, or pedestal mounted) *Water hose reel, H.D., w/hose control valve and hose stop (ceiling, wall or pedestal mounted) *Lube hose reel, H.D., w/hose control (ceiling, wall or pedestal mounted) *Exhaust system, underground (automotive or construction equipment) *Pass window, 4' wide, w/counter & "B" label roll down shutter, w/fusible link, if required * 1 Ton overhead monorail * 1 Ton overhead bridgecrane * 5 Ton overhead bridgecrane *10 ton overhead bridgecrane *15 Ton overhead bridgecrane 		



1. COMPONENT MARINE CORPS	FY 19 <u>89</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86																																																																	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542																																																																			
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<p>(3) <u>Collateral Equipment:</u> (Continued)</p> <p>*20-ton overhead bridgecrane w/5 ton Auxiliary hook *75-ton overhead bridgecrane w/20 ton Auxiliary hook *2 Ton Jib Crane *Paint spray booths *Twin post hydraulic lift, H.D. lb capacity *Paint drying oven *Twin post hydraulic lift, H. D., 24,000 lb. capacity *6, 12 & 24 volt DC Engine Start Systems</p> <p>(b) <u>Expense Items:</u></p> <table border="1"> <thead> <tr> <th data-bbox="393 890 584 926"><u>Description</u></th> <th data-bbox="872 884 931 919"><u>Qty</u></th> <th data-bbox="1053 842 1146 905"><u>Unit Issue</u></th> <th data-bbox="1219 842 1311 905"><u>Unit Price</u></th> <th data-bbox="1367 835 1460 898"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="265 947 766 1024">Bench, work, stationary, 28"D, 34"H</td> <td data-bbox="877 947 915 982">88</td> <td data-bbox="1058 940 1096 976">LF</td> <td data-bbox="1235 926 1328 961">77.59</td> <td data-bbox="1384 926 1509 961">\$ 6,827</td> </tr> <tr> <td data-bbox="265 1045 789 1094">Bin parts, rota, 3'D, multi-bin</td> <td data-bbox="898 1045 915 1081">3</td> <td data-bbox="1058 1039 1096 1075">EA</td> <td data-bbox="1224 1024 1328 1060">360.00</td> <td data-bbox="1417 1024 1509 1060">1,080</td> </tr> <tr> <td data-bbox="265 1115 707 1163">Shelving, 12"W, w/adj Stds</td> <td data-bbox="898 1108 915 1144">6</td> <td data-bbox="1058 1102 1096 1138">EA</td> <td data-bbox="1240 1087 1328 1123">90.00</td> <td data-bbox="1455 1087 1509 1123">540</td> </tr> <tr> <td data-bbox="265 1184 794 1255">Tank, cleaning, parts, portable 38'x22'x34'</td> <td data-bbox="898 1178 915 1213">2</td> <td data-bbox="1058 1171 1096 1207">EA</td> <td data-bbox="1224 1157 1328 1192">395.00</td> <td data-bbox="1455 1157 1509 1192">790</td> </tr> <tr> <td data-bbox="265 1276 832 1325">Bench, work stationary 36"D, 34"H</td> <td data-bbox="898 1270 915 1306">2</td> <td data-bbox="1058 1264 1096 1299">EA</td> <td data-bbox="1240 1249 1328 1285">75.00</td> <td data-bbox="1455 1249 1509 1285">150</td> </tr> <tr> <td data-bbox="265 1346 469 1394">Stand, axle</td> <td data-bbox="898 1339 915 1375">1</td> <td data-bbox="1058 1333 1096 1369">EA</td> <td data-bbox="1224 1318 1328 1354">200.00</td> <td data-bbox="1455 1318 1509 1354">200</td> </tr> <tr> <td data-bbox="265 1415 783 1463">Machine, sewing, light textile</td> <td data-bbox="898 1409 915 1444">1</td> <td data-bbox="1058 1402 1096 1438">EA</td> <td data-bbox="1224 1388 1328 1423">750.00</td> <td data-bbox="1455 1388 1509 1423">750</td> </tr> <tr> <td data-bbox="265 1484 750 1556">Table, layout, 16'x5', light textile</td> <td data-bbox="898 1478 915 1514">1</td> <td data-bbox="1058 1472 1096 1507">EA</td> <td data-bbox="1224 1457 1328 1493">200.00</td> <td data-bbox="1455 1457 1509 1493">200</td> </tr> <tr> <td data-bbox="265 1577 832 1625">Table, work 16'x2', light textile</td> <td data-bbox="898 1570 915 1606">7</td> <td data-bbox="1058 1564 1096 1600">EA</td> <td data-bbox="1240 1549 1328 1585">175.00</td> <td data-bbox="1433 1549 1509 1585">1,225</td> </tr> <tr> <td data-bbox="265 1646 766 1694">Machine, sewing, heavy canvas</td> <td data-bbox="898 1640 915 1675">3</td> <td data-bbox="1058 1633 1096 1669">EA</td> <td data-bbox="1207 1619 1328 1654">1,100.00</td> <td data-bbox="1433 1619 1509 1654">3,300</td> </tr> <tr> <td data-bbox="265 1715 750 1764">Table, work, 16'x7' wood top</td> <td data-bbox="898 1709 915 1745">3</td> <td data-bbox="1058 1703 1096 1738">EA</td> <td data-bbox="1240 1688 1328 1724">225.00</td> <td data-bbox="1471 1688 1509 1724">675</td> </tr> <tr> <td data-bbox="265 1785 518 1833">Shelving, 24"W</td> <td data-bbox="855 1778 931 1814">1,324</td> <td data-bbox="1058 1772 1096 1808">LF</td> <td data-bbox="1257 1757 1328 1793">10.00</td> <td data-bbox="1433 1757 1509 1793">13,240</td> </tr> </tbody> </table>			<u>Description</u>	<u>Qty</u>	<u>Unit Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>	Bench, work, stationary, 28"D, 34"H	88	LF	77.59	\$ 6,827	Bin parts, rota, 3'D, multi-bin	3	EA	360.00	1,080	Shelving, 12"W, w/adj Stds	6	EA	90.00	540	Tank, cleaning, parts, portable 38'x22'x34'	2	EA	395.00	790	Bench, work stationary 36"D, 34"H	2	EA	75.00	150	Stand, axle	1	EA	200.00	200	Machine, sewing, light textile	1	EA	750.00	750	Table, layout, 16'x5', light textile	1	EA	200.00	200	Table, work 16'x2', light textile	7	EA	175.00	1,225	Machine, sewing, heavy canvas	3	EA	1,100.00	3,300	Table, work, 16'x7' wood top	3	EA	225.00	675	Shelving, 24"W	1,324	LF	10.00	13,240
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1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804	

(b) Expense Items: (Continued)

<u>Description</u>	<u>Qty</u>	<u>Unit Issue</u>	<u>Unit Price</u>	<u>Total Cost</u>
Machine, OM, cleaning, 2'x5'	1	EA	300.00	300
Tanks, OM equip rinse, 2'x2'	3	EA	35.00	105
Bench, OM repair, 3'x4'	24	EA	60.00	1,440
Bench, electronics repair, 36"x144"x34"H	47	EA	90.00	4,230
Cleaner, ultrasonic (electronic components)	2	EA	1,000.00	2,200
Racks, store 48"Dx48"H	1	EA	125.00	125
Racks, store, 36"Dx24"H	3	EA	100.00	300
TOTAL EXPENSE ITEMS				37,677

(c) INVESTMENT ITEMS - None.

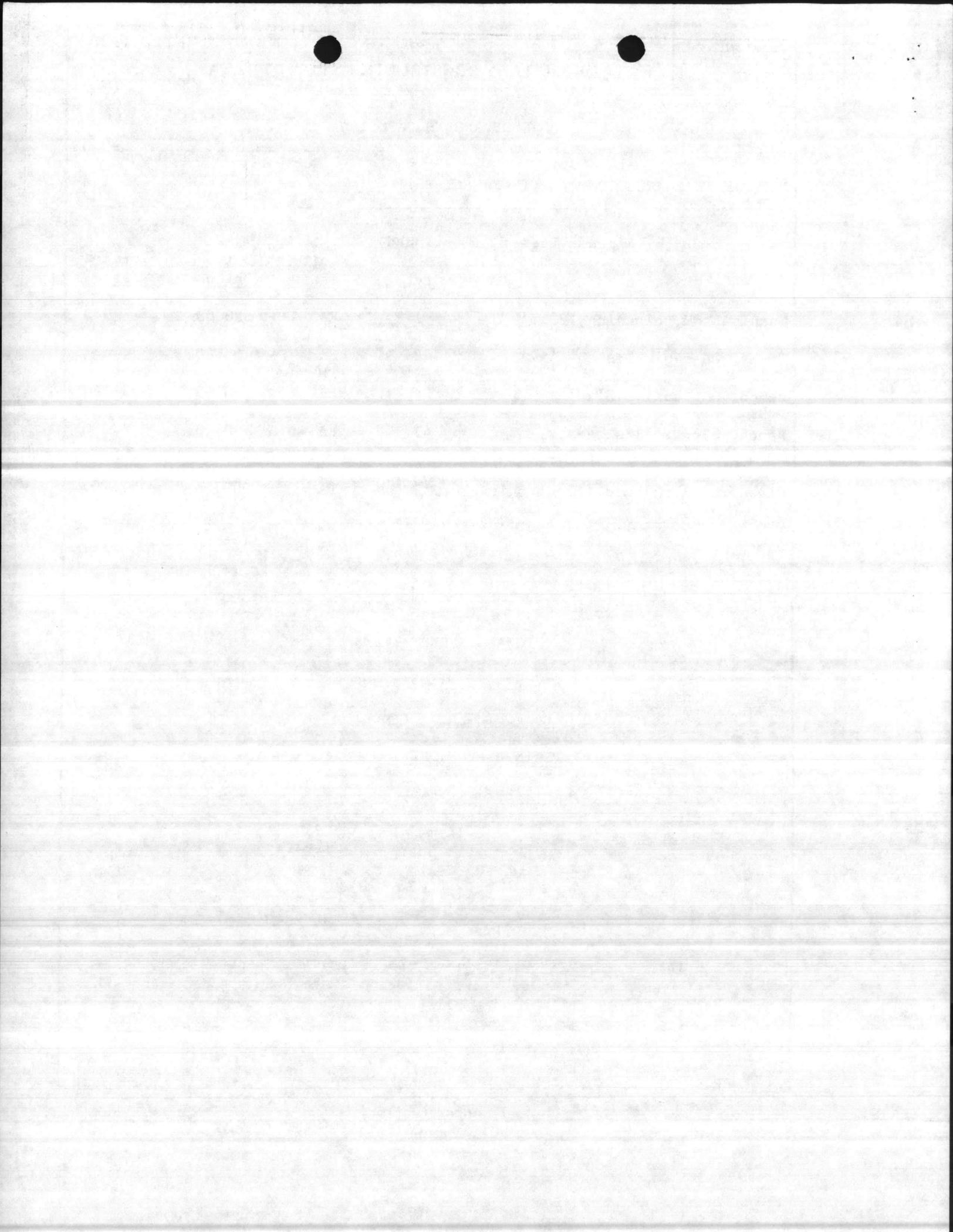
(d) APA EQUIPMENT - None.

(e) TRAINING EQUIPMENT - None.

(f) SUMMARY:

Expense Items	37,677
Investment Cost	-
Training Cost	-
<hr/>	
Total Cost	37,677

(4) Supporting Facilities: Special piling, foundation, collateral equipment, site improvement, pollution abatement, utility connections, etc. No demolition will be accomplished on this project.



1. COMPONENT MARINE CORPS	FY 1989 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)		5. PROJECT NUMBER P-804

4. Cost Estimate: Area cost factor for Camp Lejeune, NC is 0.86. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-89. A contingency factor of 5% is being used for this project.

5. Justification for Project and for Scope of Project:

a. Justification for Project:

(1) Project: Proposed facilities are required to provide maintenance personnel with adequate and secure facilities to perform artillery and ordnance maintenance.

(2) Current Situation: Personnel are working in substandard and makeshift facilities that are totally inadequate in size, configuration, utility requirements, and site location.

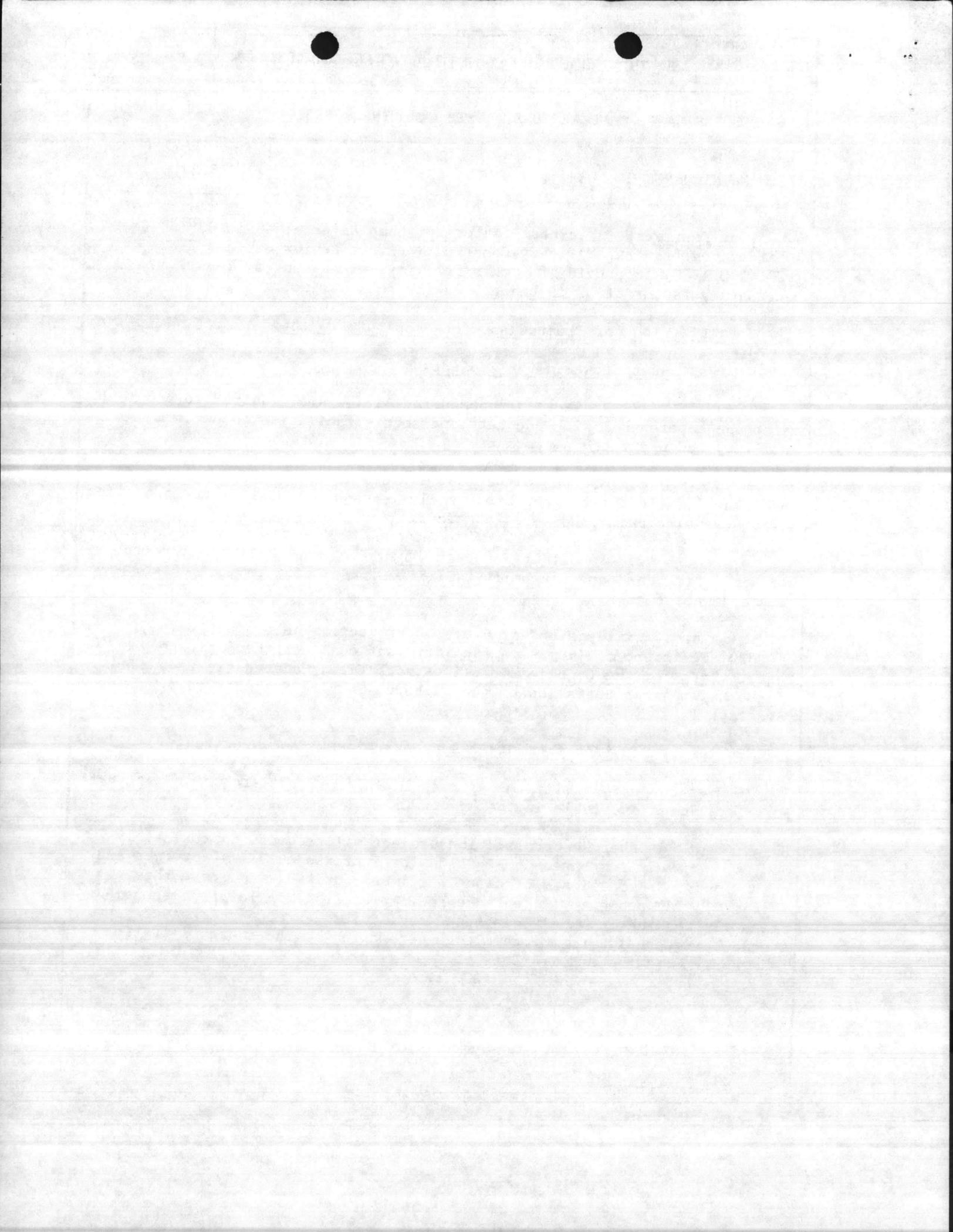
(3) Impact If Not Provided: Personnel will continue to work in substandard and makeshift facilities, resulting in loss of work-time and wasted energy.

b. Justification for Scope of Project: The project scope, 210,300 SF, is the minimum size facility that can meet the deficiency requirements for the Combat/Automotive/Track Field Maintenance Shop needs of the Maintenance Battalion of the 2d Force Service Support Group. See paragraph 13.

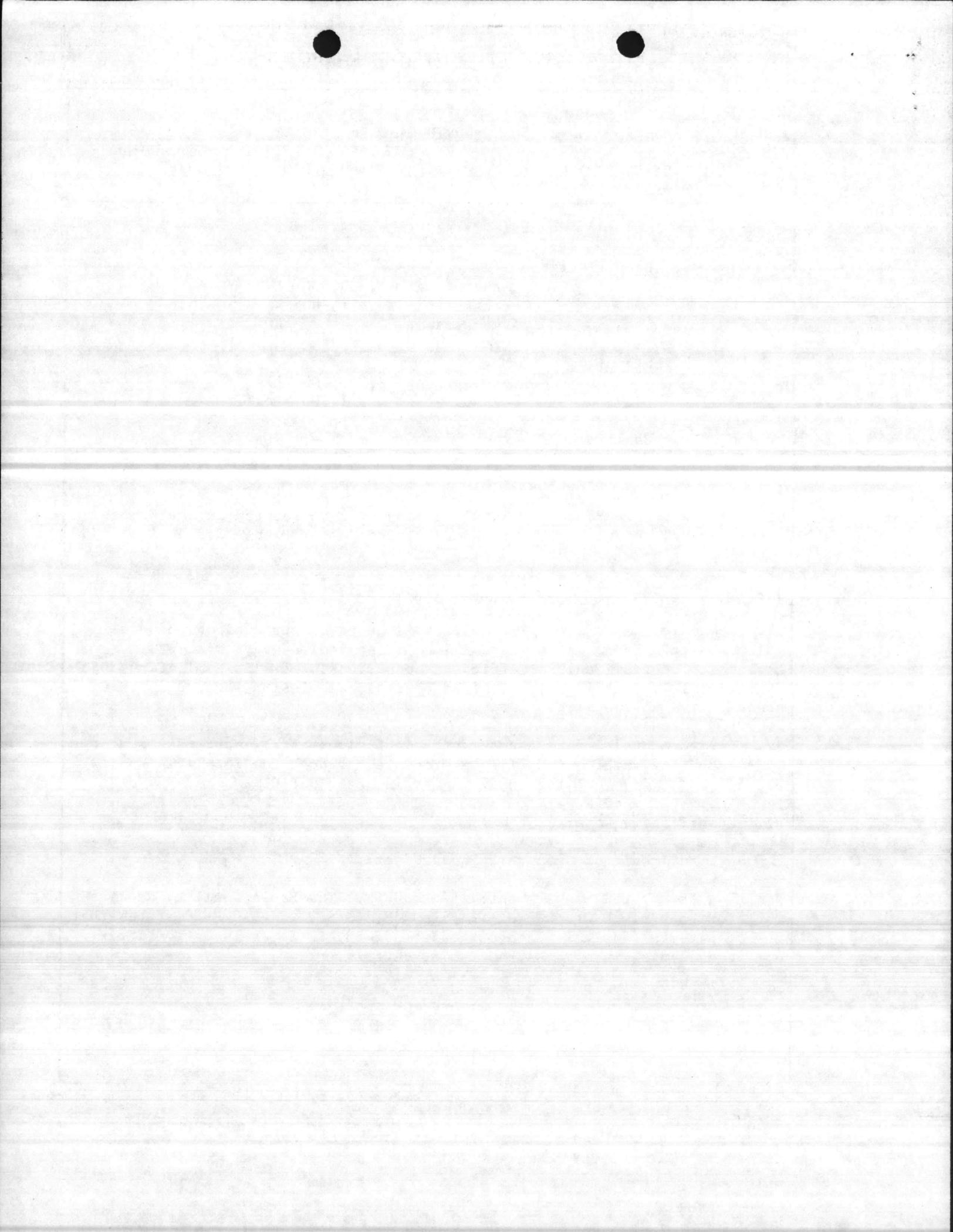
6. Equipment Provided from Other Appropriations: Not applicable.

7. Common Support Facilities: Not applicable. There are no common support facilities available in the French Creek Area.

8. Effect on Other Resources: The project will require approximately \$10,000 per year 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.



1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)		5. PROJECT NUMBER P-804
<p style="text-align: center;"><u>UTILITY REQUIREMENTS</u></p> <p>a. <u>Electricity:</u> Consumption: 1,500,000 KWHR/YR Peak Demand: 900 KW Avg. Demand: - KW</p> <p>b. <u>Steam:</u> Consumption: 2,372,500 Lbs/Yr Demand: 1,500 Lbs/Yr</p> <p>c. <u>Coal:</u> - Tons/Yr</p> <p>d. Adequate utilities will be provided by P-240, FY-85.</p> <p>9. <u>Siting of the Project:</u> This facility will be located in the French Creek Area, in keeping with the Camp Lejeune Master Plan. See enclosure (1).</p> <p>10. <u>Other Graphic Presentations, including Photographs:</u> NAVFAC Drawings 1294489, 1294491, and 1294493 submitted as Enclosure (2).</p> <p>11. <u>Economic Analysis:</u> This facility is being constructed on an undeveloped site. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.</p> <p>12. <u>Environmental Impact Assessment:</u> An Environmental Impact Assessment (EIA) is being written and will be processed through the local EIA Review Board. No adverse environmental impact is anticipated.</p> <p>13. <u>Quantitative Data:</u></p> <p>a. <u>Unit of Measure:</u> Square feet.</p> <p>b. <u>Total Requirement:</u> 448,840 SF. The Basic Facility Requirement for the French Creek area (EA) is 448,840 SF. NAVFAC P-80 states that the requirement for this category code (214-53) is determined from definitive drawings given in NAVFAC P-272, Part IV.</p>		



1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJUENE, NORTH CAROLINA 28542		
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)	5. PROJECT NUMBER P-804	

<u>NAVFAC DWG #</u>	<u>DESCRIPTION</u>	<u>AREA SF</u>
1294489	Combat/Automotive/Track Fld Maint Shop	220,000
1294490	"	53,000
1294491	"	47,500
1294492	"	48,000
1294493	"	52,800
1294508	Vehicle Inspection Station	7,540
1294444	Operational Readiness Float and Utilities Platoon	20,000
Total		448,840

c. Existing Substandard: 165,448 SF

<u>BUILDING NO.</u>	<u>AREA SF</u>	
900*	3,600	
901*	21,224	
902*	50,064	
905*	13,640	
1601*	62,000	
1771	14,920	
Total		165,448 SF

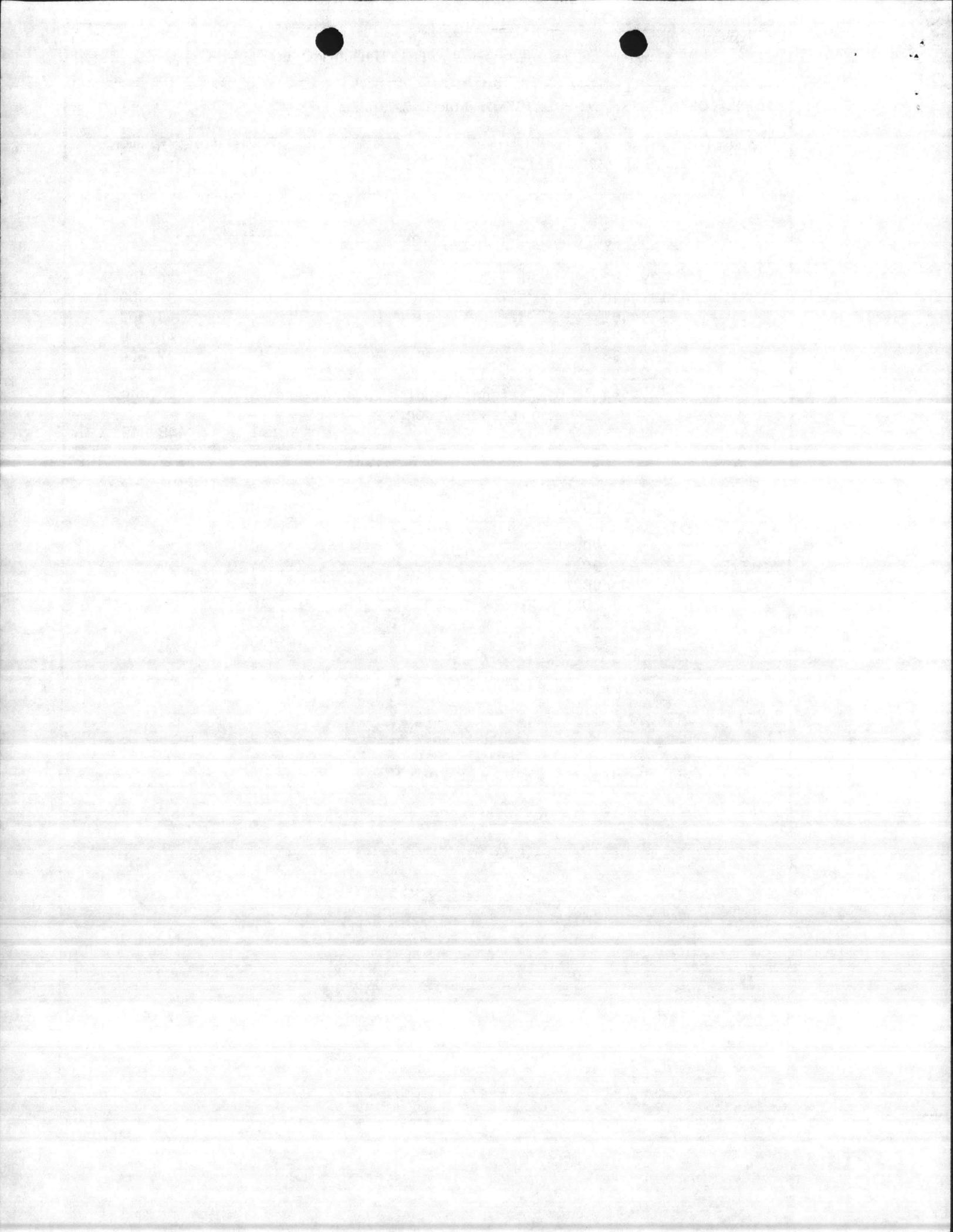
*multi-use type buildings.

d. Existing Inadequate: 0

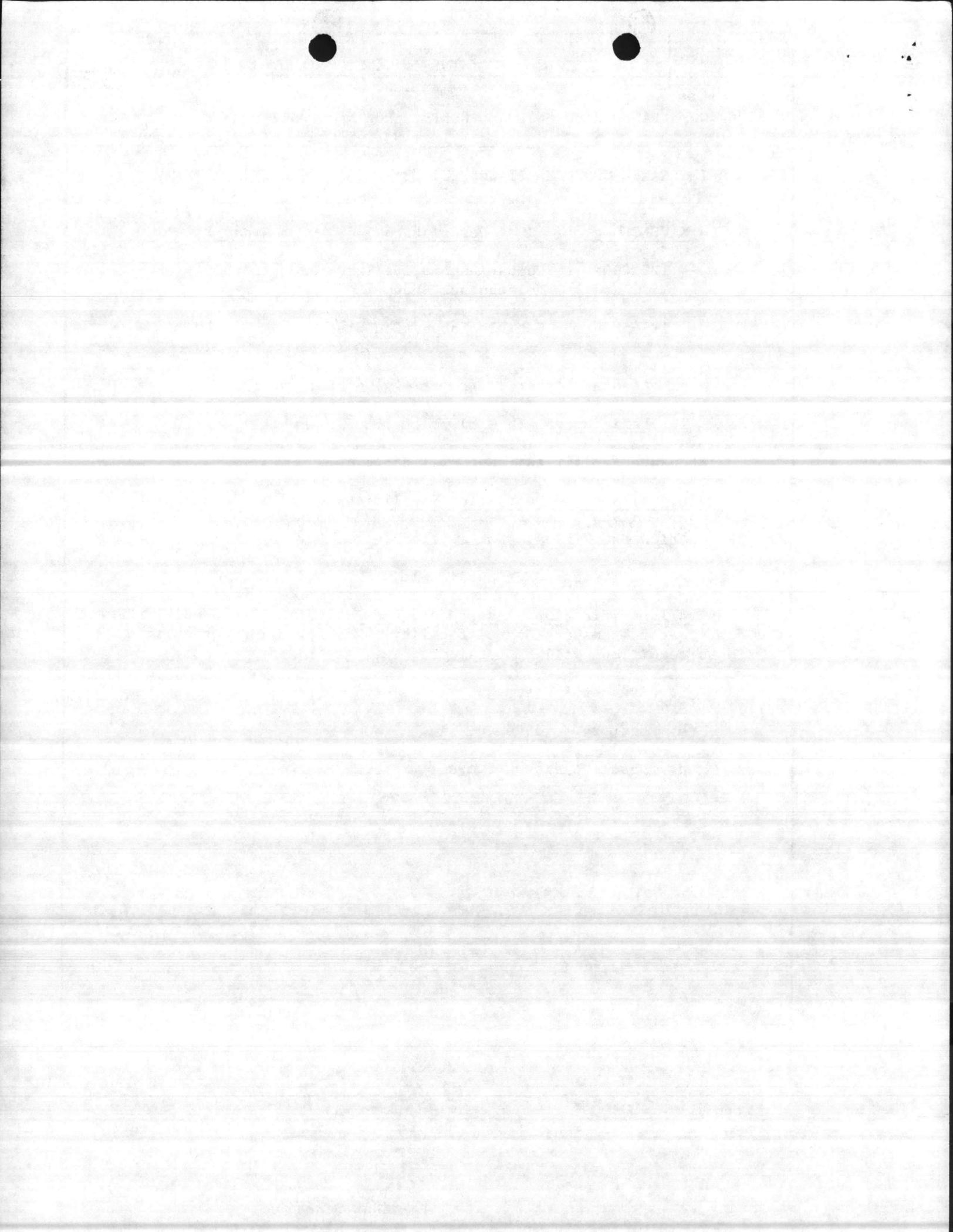
e. Existing Adequate: 0

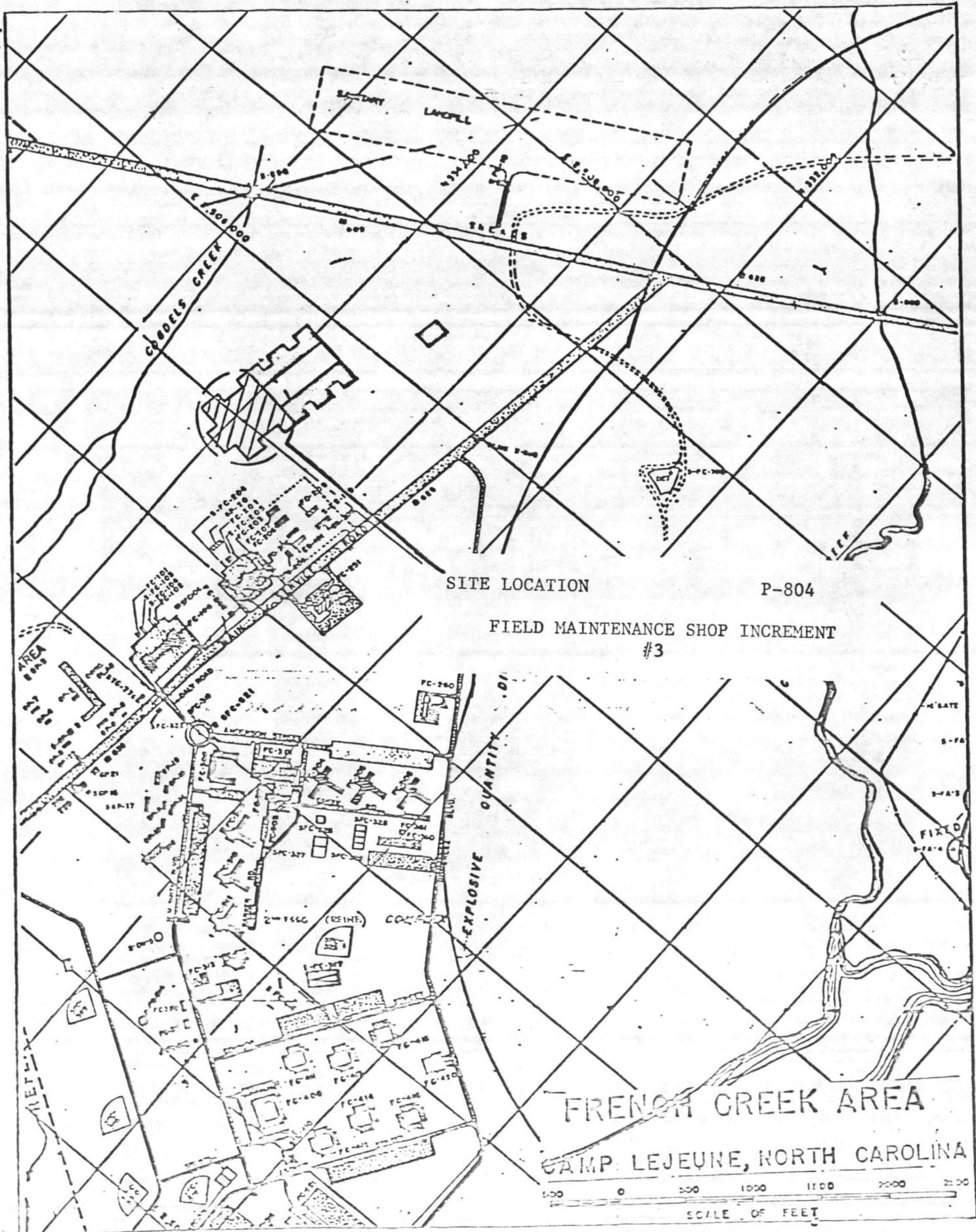
f. Other Assets, Not in Inventory: 0

g. Funded, Not in Inventory: (FY-87) 60,540 SF



1. COMPONENT MARINE CORPS	FY 19 <u>89</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 20 Feb 86												
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542														
4. PROJECT TITLE FIELD MAINTENANCE COMPLEX (INCREMENT #3)		5. PROJECT NUMBER P-804												
<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 25%;"><u>NAVFAC Dwg</u></th> <th style="text-align: left; width: 50%;"><u>Description</u></th> <th style="text-align: right; width: 25%;"><u>Area SF</u></th> </tr> </thead> <tbody> <tr> <td>1294490</td> <td>Combat/Automotive/Track Fld Maintenance Shop</td> <td style="text-align: right;">53,000</td> </tr> <tr> <td>1294508</td> <td>Vehicle Inspection Station</td> <td style="text-align: right;"><u>7, 540</u></td> </tr> <tr> <td></td> <td style="text-align: right;">Total</td> <td style="text-align: right;">60, 540 SF</td> </tr> </tbody> </table> <p style="margin-left: 40px;">h. <u>Adequate Assets:</u> (e + f + g) = 60, 540 SF</p> <p style="margin-left: 40px;">i. <u>Deficiency:</u> (b - h) = 388,300 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> Not applicable.</p> <p>18. <u>Hazard Identification, Assessment, and Analysis.</u> Proposed facility will be a Motor Transport School facility. The following potential hazardous conditions will be considered during the design phase:</p> <ul style="list-style-type: none"> a. Exhaust fumes. b. Battery acid fumes. c. Gasoline/diesel fumes. 			<u>NAVFAC Dwg</u>	<u>Description</u>	<u>Area SF</u>	1294490	Combat/Automotive/Track Fld Maintenance Shop	53,000	1294508	Vehicle Inspection Station	<u>7, 540</u>		Total	60, 540 SF
<u>NAVFAC Dwg</u>	<u>Description</u>	<u>Area SF</u>												
1294490	Combat/Automotive/Track Fld Maintenance Shop	53,000												
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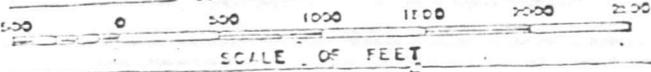


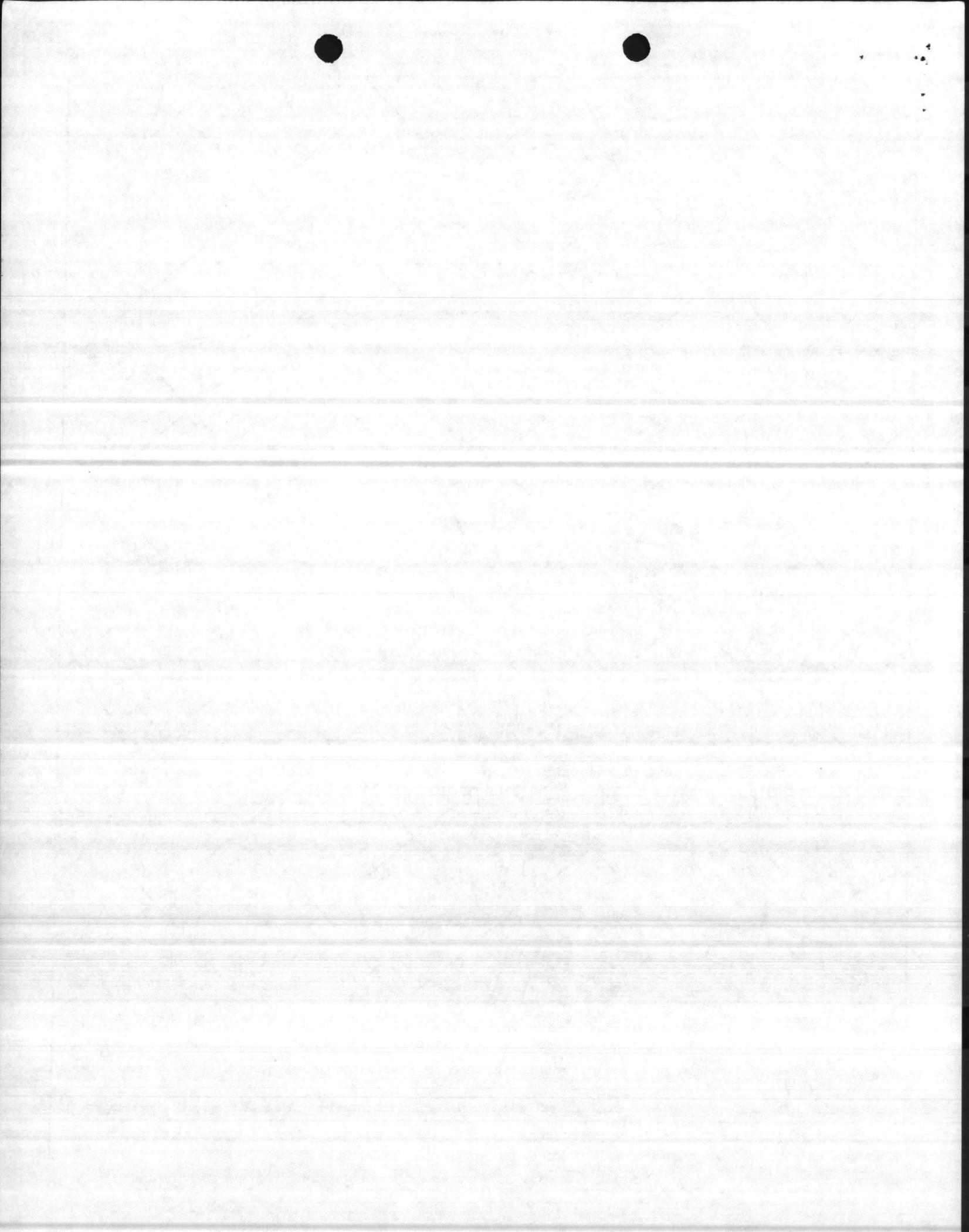
SITE LOCATION

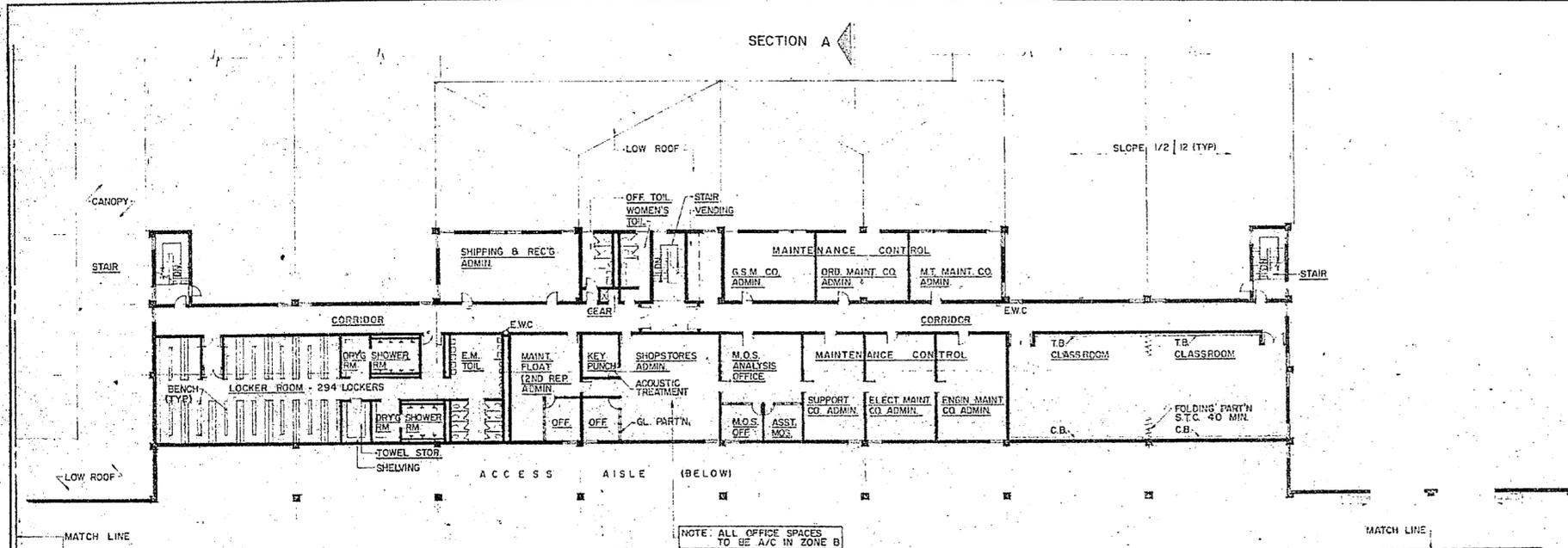
P-804

FIELD MAINTENANCE SHOP INCREMENT
#3

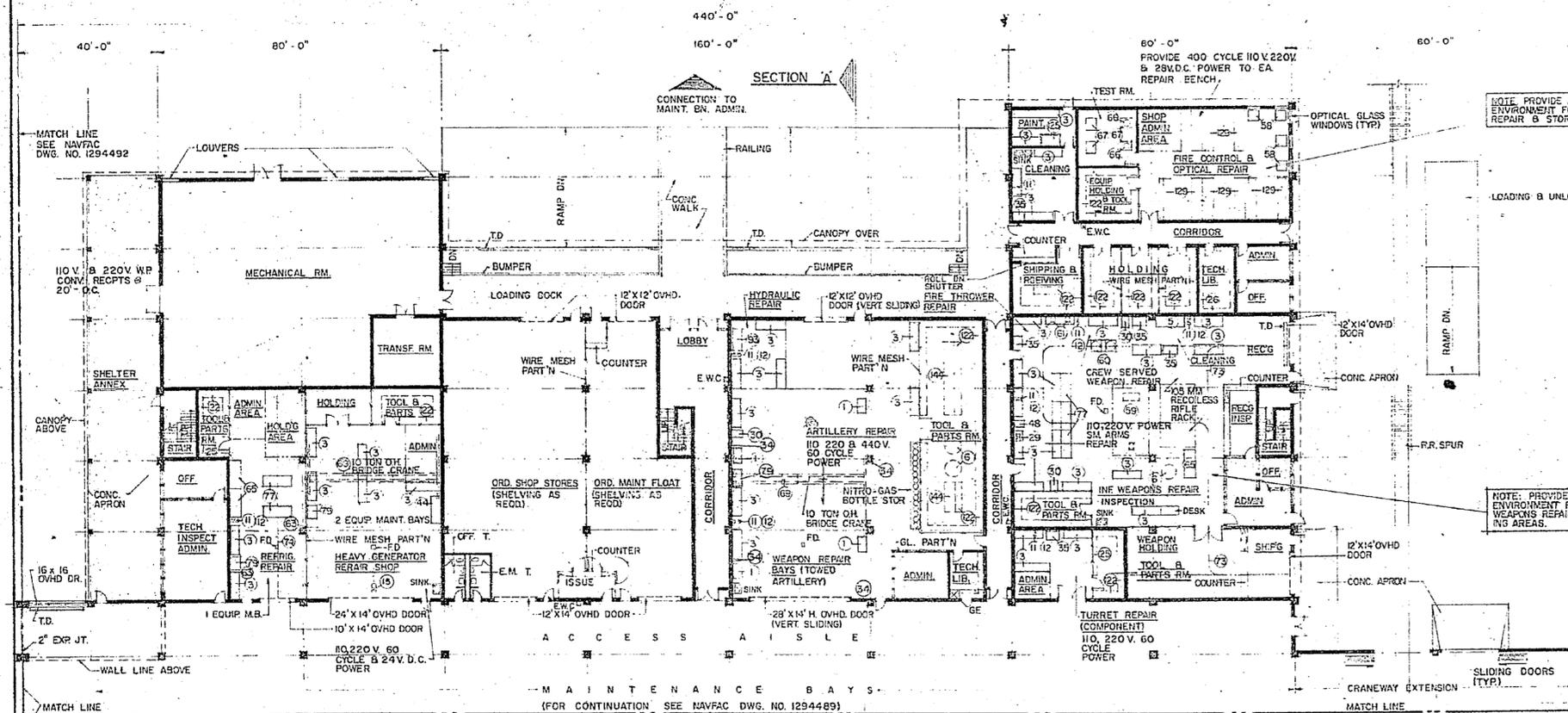
FRENCH CREEK AREA
CAMP LEJEUNE, NORTH CAROLINA





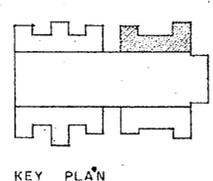


SECOND FLOOR PLAN - SHOP AREA NO.4
SCALE 1/16" = 1'-0"

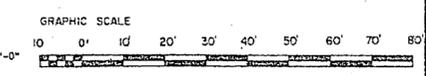


GROUND FLOOR PLAN - SHOP AREA NO. 4
SCALE 1/16" = 1'-0"

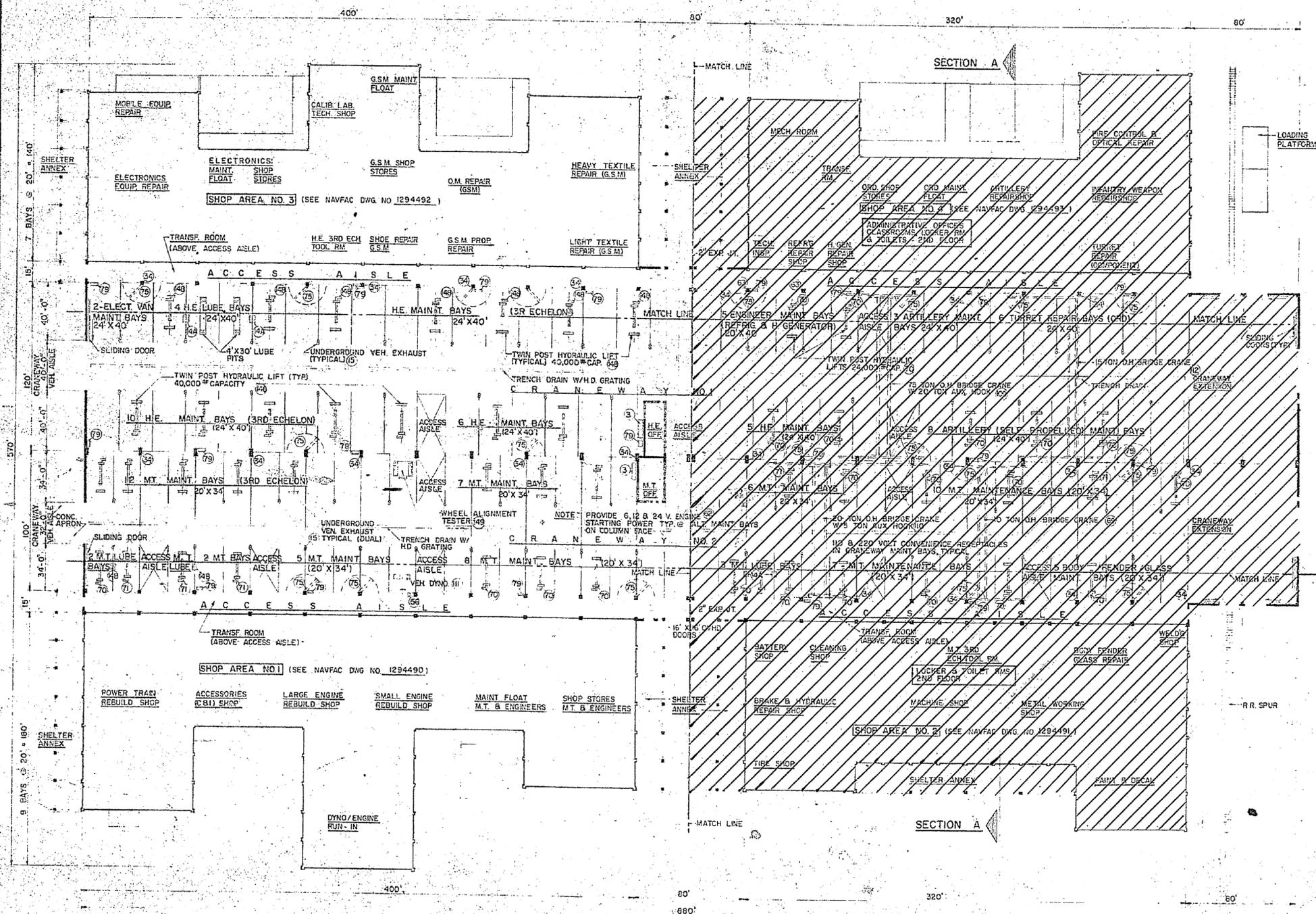
- NOTES:
1. PROVIDE 2 TEST FIRE PITS FOR SMALL ARMS TESTING, ADJACENT TO MAINT. FACILITY.
 2. DRAIN ALL TRENCH DRAINS TO AN OIL SEPARATOR
 3. SEE SPECIAL NOTES DWG. 1294494



KEY PLAN



PLUMBING REQUIREMENTS	
COLD WATER: (PROBABLE MAXIMUM FLOW RATE IN GPM)	100
HOT WATER:	
STORAGE IN GALLONS (CONVERTORS)	755
HOT WATER RECOVERY (GPH)	580
NOTE: ABOVE FLOW RATE DOES NOT INCLUDE REQUIREMENTS FOR FIRE PROTECTION, PROCESS, AND AIR CONDITIONING.	
MECHANICAL REQUIREMENTS	
HEATING: (IN MBTU/HR):	
INSIDE DESIGN TEMPERATURE	60° F - SHOPS 70° F - OFFICE & TOILETS
OUTSIDE DESIGN TEMPERATURE	-5° F +5° F +15° F +25° F
	2220 2040 1860 1680
AIR CONDITIONING: (TONS OF REFRIGERATION): MAX.	
INSIDE DESIGN TEMPERATURE	SEE SPECIAL NOTES III NAVFAC DWG. 1294494
OUTSIDE DESIGN TEMPERATURE	95° FDB - 78° FWB
	82
MAXIMUM AIR CONDITIONING REQUIREMENT IS APPROXIMATE. ACTUAL SPACES TO BE AIR CONDITIONED AND REQUIREMENTS SHALL BE BASED ON D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M.	
ELECTRICAL REQUIREMENTS	
LIGHTS:	
CONNECTED LOAD (KW)	56
ESTIMATED DEMAND (KW)	66
POWER:	
	WITH AC MAX CAP WITHOUT AC
CONNECTED LOAD (KW)	261 130
ESTIMATED DEMAND (KW)	156 88
TOTAL:	
CONNECTED LOAD (KW)	327 196
ESTIMATED DEMAND (KW)	262 164
MAXIMUM AIR CONDITIONING REQUIREMENT IS APPROXIMATE. ACTUAL SPACES TO BE AIR CONDITIONED AND REQUIREMENTS SHALL BE BASED ON D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M.	
AREA	
GROSS AREA WITHOUT MECH. EQUIP. RM. (SQ. FT.)	48,000
MECH. EQUIP. ROOM (SQ. FT.)	4,800
GROSS AREA-TOTAL (SQ. FT.)	52,800
GENERAL NOTES	
UTILITIES REQUIREMENTS INDICATED ARE FOR ESTIMATING PURPOSES ONLY.	
AUTOMATIC SPRINKLER AND FIRE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH CURRENT D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M AND NAVFAC DM-8.	
MARINE CORPS ACTIVITIES SHALL FOLLOW THE ARRANGEMENT AND FUNCTIONAL LAYOUT INDICATED IN INITIATION OF CONSTRUCTION REQUIREMENTS UNLESS PRIOR AUTHORIZATION FOR CHANGE IS OBTAINED FROM THE COMMANDANT OF THE MARINE CORPS. ARCHITECTURAL TREATMENT AND MATERIAL MAY VARY WHEN NEEDED TO ACHIEVE COMPATIBILITY WITH LOCAL CONSTRUCTION AND EFFECTIVE USE OF MATERIALS.	
P-804	
FIELD MAINTENANCE COMPLEX INCREMENT 3	
T/O M - 3248 WASHINGTON, D. C.	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DEFINITIVE DRAWING ORDNANCE FIELD MAINTENANCE SHOP (NO. 4) MAINTENANCE BATTALION F.S.R.	
DESIGNED BY: J. R. CLARK/STL	DATE: 21 DEC 1970
APPROVED: [Signature]	DATE: 4/12/71
NAVAC DRAWING NO. 80091	NAVAC DRAWING NO. 1294493
SCALE AS NOTED	SHEET 5 OF 6
214-53-C5 & 215-60-B	



MAINT. BN. ADMIN.
SEE NAVFAC DWG.
NO. 1293353

PLUMBING REQUIREMENTS

COLD WATER: (PROBABLE MAXIMUM FLOW RATE IN GPM) 50

NOTE: ABOVE FLOOR RATE DOES NOT INCLUDE REQUIREMENTS FOR FIRE PROTECTION, PROCESS, AND AIR CONDITIONING

HOT WATER: NONE

STORAGE IN GALLONS (ELECTRIC WATER HEATER): NONE

MECHANICAL REQUIREMENTS

HEATING: (IN MBTU/HR):

INSIDE DESIGN TEMPERATURE	-5°F	+5°F	70°F - OFFICE & TOILETS	+25°F
OUTSIDE DESIGN TEMPERATURE	8850	7980	7065	5290

AIR CONDITIONING: (TONS OF REFRIGERATION): MAX.

INSIDE DESIGN TEMPERATURE: SEE SPECIAL NOTE III NAVFAC DWG. 1294494

OUTSIDE DESIGN TEMPERATURE: 95° FDB - 78° FWB

ELECTRICAL REQUIREMENTS

LIGHTS:

CONNECTED LOAD (KW)	274
ESTIMATED DEMAND (KW)	274

POWER:

	WITH AC (MAX. CAP)	WITHOUT AC
CONNECTED LOAD (KW)	550	550
ESTIMATED DEMAND (KW)	412	412

TOTAL:

CONNECTED LOAD (KW)	824
ESTIMATED DEMAND (KW)	688

MAXIMUM AIR CONDITIONING REQUIREMENT IS APPROXIMATE. ACTUAL SPACES TO BE AIR CONDITIONED AND REQUIREMENTS SHALL BE BASED ON D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M.

AREA

GROSS AREA WITHOUT MECH. EQUIP. RM. (SQ. FT.)	
MECH. EQUIP. ROOM (SQ. FT.)	
GROSS AREA-TOTAL (SQ. FT.) CRANEWAY NO. 1 & 2	220,000

GENERAL NOTES

UTILITIES REQUIREMENTS INDICATED ARE FOR ESTIMATING PURPOSES ONLY.

AUTOMATIC SPRINKLER AND FIRE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH CURRENT D.O.D. 4270.1-M CONSTRUCTION CRITERIA AND NAVFAC DM-B.

MARINE CORPS ACTIVITIES SHALL FOLLOW THE ARRANGEMENT AND FUNCTIONAL LAYOUT INDICATED IN INITIATION OF CONSTRUCTION REQUIREMENTS UNLESS PRIOR AUTHORIZATION FOR CHANGE IS OBTAINED FROM THE COMMANDANT OF THE MARINE CORPS. ARCHITECTURAL TREATMENT AND MATERIAL MAY VARY WHEN NEEDED TO ACHIEVE COMPATABILITY WITH LOCAL CONSTRUCTION AND EFFECTIVE USE OF MATERIALS.

P-804

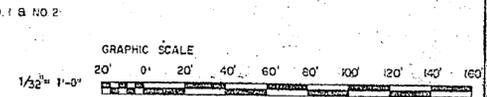
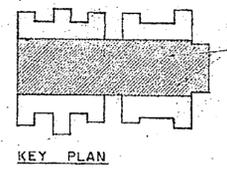
**FIELD MAINTENANCE COMPLEX
INCREMENT 3**

FLOOR PLAN - CRANEWAYS
SCALE 1/32" = 1'-0"

FOR EQUIPMENT SCHEDULE SEE NAVFAC DWG NO. 1294506 & 1294507

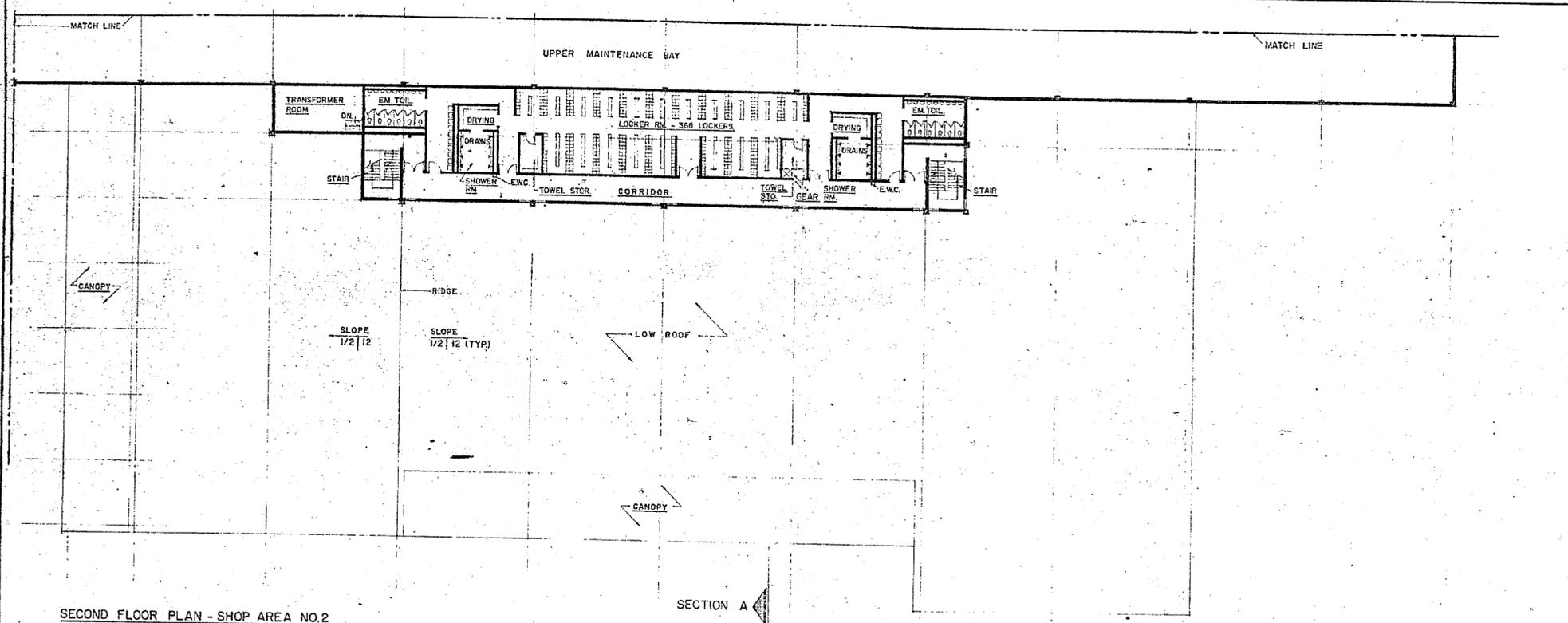
SEE SPECIAL NOTES DWG. 1294494

FOR VEHICLE INSPECTION & CONC. WASH APRON REQUIREMENTS, SEE NAVFAC DWG. NO. 1294508

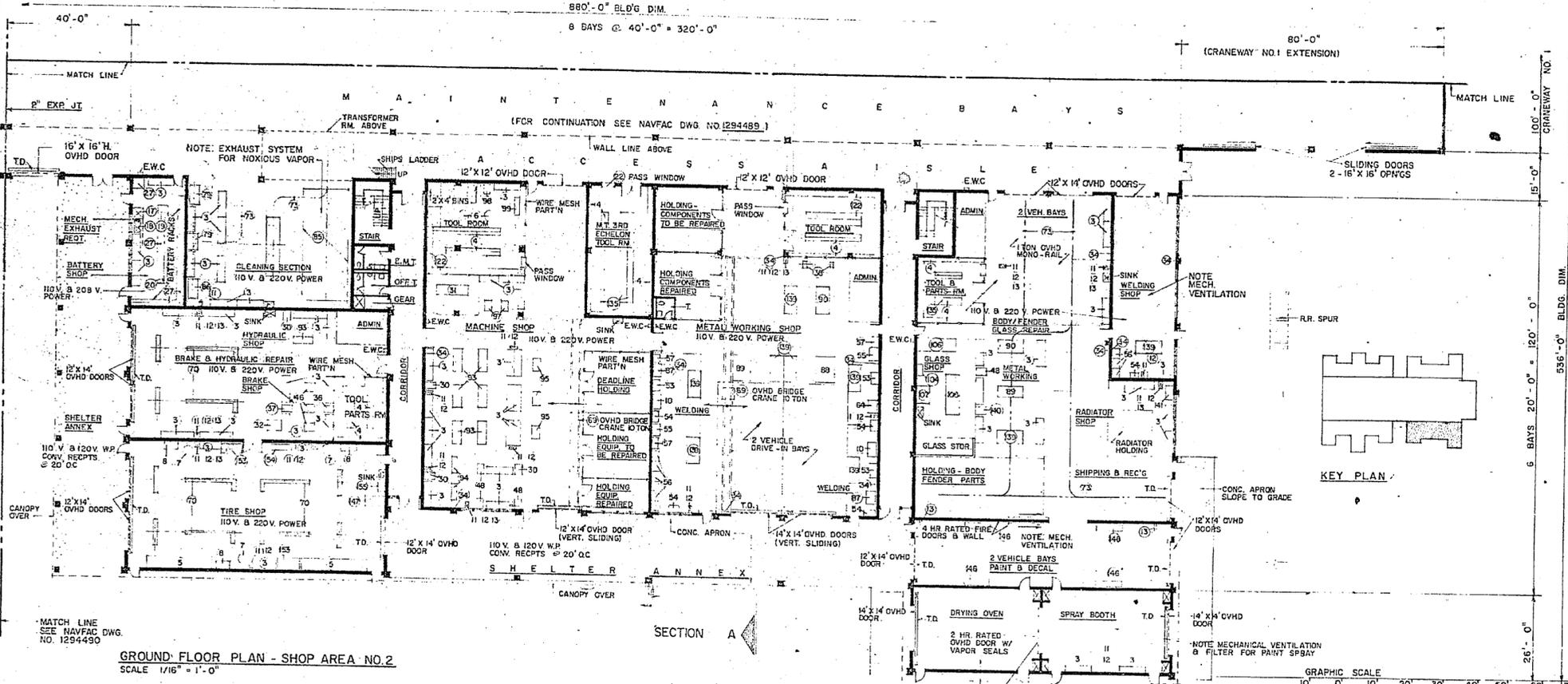


LYLES, BISSETT, CARLISLE & WOLFF ARCHITECTS 1100 WASHINGTON BLVD. WASHINGTON, D.C.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND WASHINGTON, D.C.
DATE: 12/15/70 DRAWN BY: J. S. R. CHECKED BY: J. S. R. APPROVED BY: J. S. R.	DEFINITIVE DRAWING COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (CRANEWAYS) MAINTENANCE BATTALION F.S.R.
NAVFAC DWG. NO. 1294489	NAVFAC DWG. NO. 1294489





SECOND FLOOR PLAN - SHOP AREA NO. 2
SCALE 1/16" = 1'-0"



GROUND FLOOR PLAN - SHOP AREA NO. 2
SCALE 1/16" = 1'-0"

SEE SPECIAL NOTES DWG. 1294494

PLUMBING REQUIREMENTS

COLD WATER: (PROBABLE MAXIMUM FLOW RATE IN GPM) 108

HOT WATER:

STORAGE IN GALLONS (CONVERTORS)	840
HOT WATER RECOVERY (GPH)	668

NOTE: ABOVE FLOW RATE DOES NOT INCLUDE REQUIREMENTS FOR FIRE PROTECTION PROCESS, AND AIR CONDITIONING.

MECHANICAL REQUIREMENTS

HEATING: (IN MBTU/HR):

INSIDE DESIGN TEMPERATURE	60°F - SHOPS
OUTSIDE DESIGN TEMPERATURE	70°F - OFFICE & TOILETS
	95°F FDB - 78°F FWB
	1980 1805 1640 1460

AIR CONDITIONING: (TONS OF REFRIGERATION): MAX.

INSIDE DESIGN TEMPERATURE SEE SPECIAL NOTES III NAVFAC DWG. 1294494

OUTSIDE DESIGN TEMPERATURE 95°F FDB - 78°F FWB

0

MECHANICAL VENTILATION SHALL BE PROVIDED FOR BATTERY SHOP

MAXIMUM AIR CONDITIONING REQUIREMENT IS APPROXIMATE, ACTUAL SPACES TO BE AIR CONDITIONED AND REQUIREMENTS SHALL BE BASED ON D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M.

ELECTRICAL REQUIREMENTS

LIGHTS:

CONNECTED LOAD (KW)	64
ESTIMATED DEMAND (KW)	64

POWER:

	WITH AC MAX. CAP	WITHOUT AC
CONNECTED LOAD (KW)	275	275
ESTIMATED DEMAND (KW)	206	206

TOTAL:

CONNECTED LOAD (KW)	339	339
ESTIMATED DEMAND (KW)	270	270

MAXIMUM AIR CONDITIONING REQUIREMENT IS APPROXIMATE, ACTUAL SPACES TO BE AIR CONDITIONED AND REQUIREMENTS SHALL BE BASED ON D.O.D. CONSTRUCTION CRITERIA MANUAL NO. 4270.1-M.

AREA

GROSS AREA WITHOUT MECH. EQUIP. RM. (SQ. FT.)	
GROSS AREA-TOTAL (SQ. FT.)	47,500

GENERAL NOTES

UTILITIES REQUIREMENTS INDICATED ARE FOR ESTIMATING PURPOSES ONLY.

AUTOMATIC SPRINKLER AND FIRE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH CURRENT D.O.D. 4270.1-M CONSTRUCTION CRITERIA MANUAL AND NAVFAC DM-8.

MARINE CORPS ACTIVITIES SHALL FOLLOW THE ARRANGEMENT AND FUNCTIONAL LAYOUT INDICATED IN INITIATION OF CONSTRUCTION REQUIREMENTS UNLESS PRIOR AUTHORIZATION FOR CHANGE IS OBTAINED FROM THE COMMANDANT OF THE MARINE CORPS. ARCHITECTURAL TREATMENT AND MATERIAL MAY VARY WHEN NEEDED TO ACHIEVE COMPATIBILITY WITH LOCAL CONSTRUCTION AND EFFECTIVE USE OF MATERIALS.

P-804

**FIELD MAINTENANCE COMPLEX
INCREMENT 3**

ATLES, BISSETT, CARLISLE & WOLFE ARCHITECTS / ENGINEERS / PLANNERS WASHINGTON, D.C.

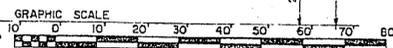
DEPARTMENT OF THE NAVY WASHINGTON, D.C.

NAVAL FACILITIES ENGINEERING COMMAND

DEFINITIVE DRAWING

COMBAT/AUTOMOTIVE/TRACK FIELD MAINTENANCE SHOP (NO 2) MAINTENANCE BATTALION, F.S.R.

APPROVED	DATE	BY	CODE	NAVAC DRAWING NO.
DESIGNED BY	DATE	BY	CODE	1294491
CHECKED BY	DATE	BY	CODE	
SCALE AS NOTED	SHEET	3	OF 6	



NOTE: PROVIDE INFRA-RED LAMP DRYING - 4 SIDES THIS SHOP

NOTE: SAFETY SWITCHES TO RENDER DRYING LAMPS & SPRAY PAINTING UNITS INOPERATIVE UNLESS FIRE DOOR IS CLOSED & VENTILATING SYSTEM IS IN OPERATION.

USE DIRECTED AT MARINE CORPS ACTIVITIES

12-10-71

