

FEB 2 4 1987

- From: Commanding General, Marine Corps Base, Camp Lejeuns To: Commandant of the Marine Corps (LFF-1)
- Subj: FY-98 MILITARY CONSTRUCTION PROJECT, (MCON) P-853, VEHICLE READY FUEL STORAGE
- Ref: (a) PHONCON btwn Ms. Kim Wirick (LFE-1) and Mr. W. L. Brant (PubWks, MCB, CLNC) on 21 Jan 86
- Encl: (1) Revised HAVMC 10915 BFRL Item Determination Sheet for Category Code 124-50, Hadnot Point Area did 5 Feb 87
 - (2) Revised Project documentation for FY-96 MCON Project P-953, Vehicle Ready Fuel Storage dtd 5 Feb 37

1. As discussed during the reference, MCON Project P-851, Vehicle Ready Fuel Storage has been revised to reflect Camp Lejeune's most recent (FY-86) fuel consumption levels.

2. It is hereby requested that the enclosures be approved and accepted for inclusion into the activities FY-93 MCON program.

T. J. DALZELL By direction

Blind copy to: FAC

Author: Larry Brant Typist: Mary Thompson 2-17-97, 1833 FEB 2 4 1987

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BFRL ITEM DETERMINATION SHEET (11000) NAVMC 10915 (11-72) SN: 0000-00-006-4680 U/I: PD (100 SHEETS PER PAD)

DATE PREPARED: 5 Feb 87

FROM: Commanding General, Marine corps Base, Camp Lejeune, NC TO: COMMANDANT OF THE MARINE CORPS (CODE LEF)

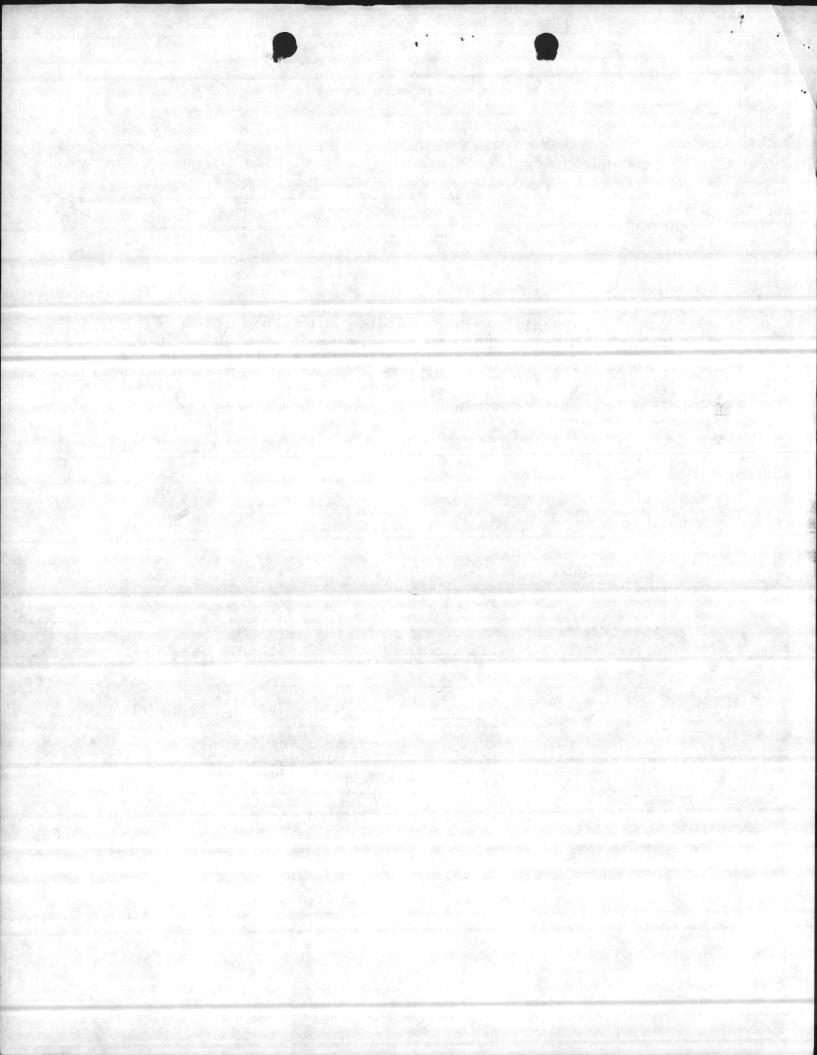
NOMENCLATURE	CATEGORY CODE	UNIT OF MEASURE
VEHICLE READY FUEL STORAGE	124-50	GALLONS
DETERMINATION OF REQUIREMENTS: (If additional space is needed, use plain sh	eet of paper)	SPECIFIC AREA HADNOT POIN

1. NAVFAC P-80 states that the size and number of fuel storage tanks will depend on the station's mission and the number of vehicles maintained. Also, the quantity of fuel stored at a fuel facility will depend on the service required of the facility. Therefore, past records would best indicate the rate of consumption and accordingly the storage requirements.

TOTAL REQUIREMENT FOR CATEGORY CODE	154,000 0	GALLONS
MOBILIZATION STATEMENT		and the second second
		. J. DALZELL
	By	direction
	CMC REVIEW ACTION	•
EVALUATION		DATE
		ESTABLISHED REQUIREMENT
		ENCL (1)

SIGNATURE:_

G. P. O. 1978 - 750-273 / 167, REGION NO. 4



TOTAL FUEL CAPACITY

1. FY-86 SALES:

2.

TYPE		NSN	QTY Ø	
Regular Unleaded Diesel Kerosene	(Unl) (Die)	9130-00-264-6218 9130-00-148-7103 9130-00-247-4365 9130-00-242-6745	2,842,052	GL 800,356
DELIVERY	TANKER	QUANTITY		
Regular.			8 . 800	GL

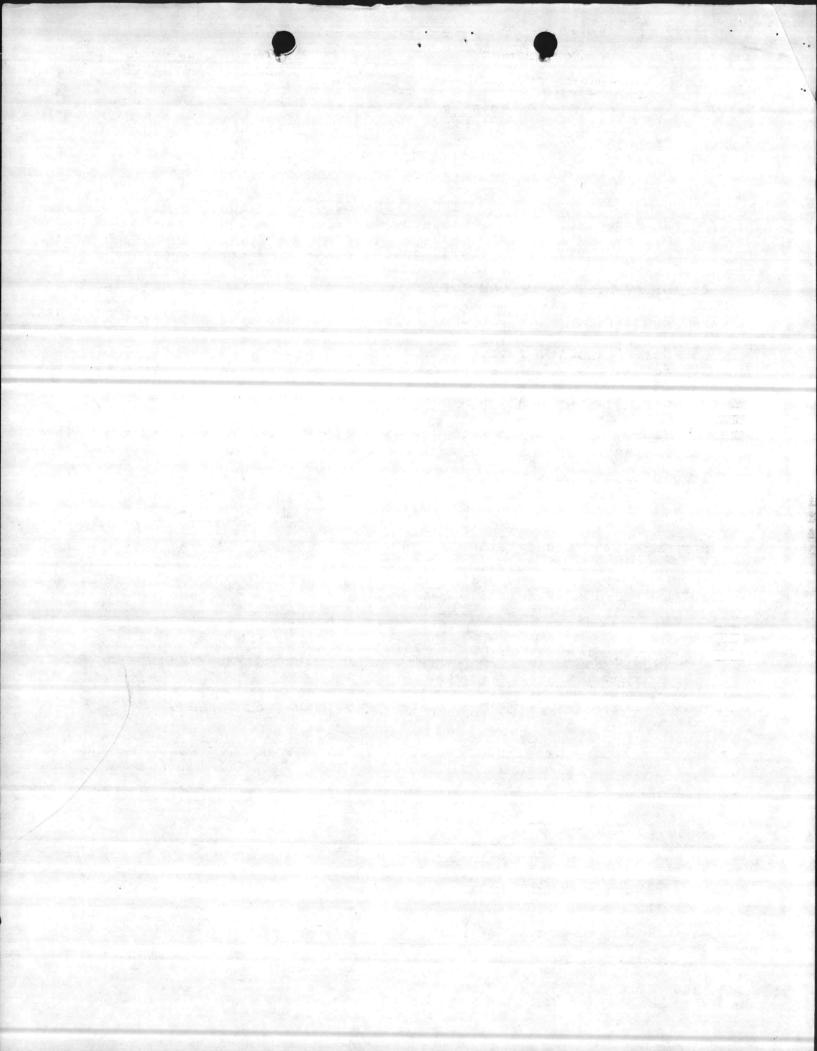
regulat.	•	•	•	•	•	•	•	•	•	•	•	٠	•	•	•	•	•	.0,000	OD.
Unleaded												•			•			.8,800	GL
Diesel .																		.7,500	GL
Kerosene												•						.8,000	GL

3. CAPACITY COMPUTATION:

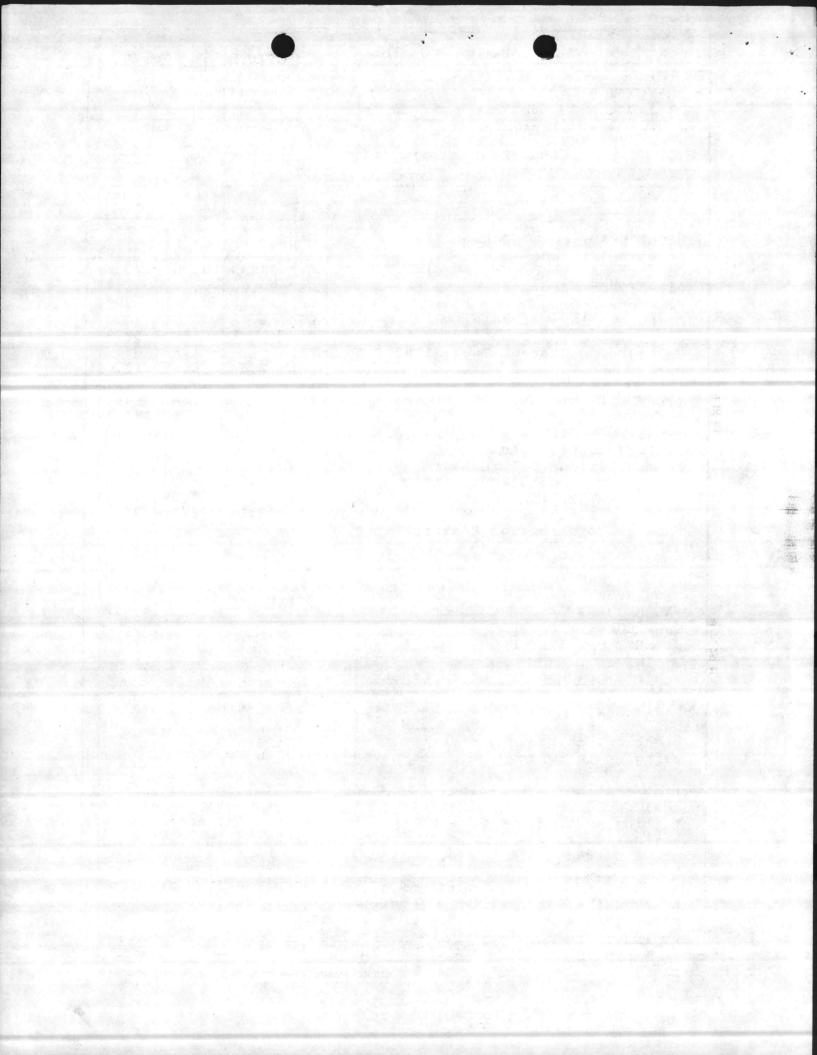
*15% growth factor.

Yearly Consumption x 10 (day) x 1.15* = Storage Requirement 365 (days)

				Ø. 1		Tank Capacity		ty
Reg	<u>583525</u> 365	x 10	x 1.15	= 18,389	2	12,000	24,000	ok
Unl	800,856 - <u>790243</u> 365	x 10	x 1.15	25,232 = 24,898	2	15,000	30,000	OK
Die		x 10	x 1.15	= 89,539	3	30,000	90,000	ok
Kero	365 435,960 <u>141846</u> 365	x 10	x 1.15	13,735 = 4,474	27	15,000 10,0900	15,000 1 0,000	
	Sector Sector	Fuel	Storage	e Capacit	y:		154,000	



NAVY FT		and shake	4. PRO		TITLE READY FUE		Feb 87
MARINE CORPS BASE CAMP LEJEUNE, NC			VEHIC	CLE	READI FUE	L SIOR	AGE
PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	TNUME	BER	8. PROJE	CT COST ((000)
	104.50	P-8	53				
	124-50			- fil	1	,700	
	9. C	OST ESTIMA	res		C. Sector State		COST
	ITEM			0/м	QUANTITY	COST	(\$000)
VEHICLE READY I	FUEL STORAGE (]	124-50)		GA	154,000	0.90	138.6
Gasoline Stor	rage (Regular)			GA			(21.6)
Gasoline Stor	rage (Unleaded))		GA			(27.0)
Diesel Fuel :			60.00p	GA			(81.0)
Kerosene Stor	rage			GA	10,000	0.90	(9.0)
FILLING STATIO	N: (123-10)		1	LS		k Sha	261.2
Fuel Dispens	ing Pumps			OL	10		(50.0)
Underground	Storage Tank (!	5000 GA		EA	4	The second se	(60.0)
Metal Canopy				SF	12,500	a second s	5(110.0)
Attendants B	ooth		6	SF	70		5(1.2)
Truck Fill S			2.21	OL		Contraction of Contra	(40.0)
	BUILDING (123-	-15)		SF	1,200	70.00	 Control of March 2011 (1911) (1922)
SUPPORTING FAC				LS	-	-	1027.7
Utility Conn				LS		-	(98.0)
	ns & Fire Alarr		100	LS	-	-	(11.0)
	ments & Demoli			SY			(507.3)
	igid & Flexible	e	and a second	SY			(83.4)
Concrete Pip			Sec. 1	LF	2,500	31.20	(78.0)
-	truction Featur	res		LS			250.0
SUBTOTAL					80.00 Se		1,511.5
Contingency							75.5
TOTAL CONTRACT	COST						L,587.Ø
SIOH 5.5%					ang sa siyang	<	87.0
TOTAL REQUEST			5 C -				L,674.Ø
TOTAL REQUEST							L,700
EQUIPMENT PROV	IDED FROM OTHE	R APPRO	PRIAT	110	NS (NON	ADD)	-Ø-
10. <u>Descriptio</u>	n of Proposed (Constru	ction	<u>n:</u>			
Vehicle/Readv	Fuel Storage F	acility	with	n a	bove-gro	und st	torage
tanks, concret	e foundations	and pip	e cha	ase	s, pipin	g, fin	ce
protection, ca	thodic protect	ion, ar	ea li	igh	ting, se	curity	1
fencing, site	improvements a	nd pave	acc	ces	s roads.		
Filling Station	with piping,	fuel st	orage	e t	anks, fu	el dis	spensing
pumps, paved a	ccess and refu	eling a	cea,	me	tal cano	py cov	ver for
refueling area	, attendants b	ooth, f	ire p	pro	tection,	area	
	unications, ut	ility c	onneo	cti	ons, sit	e imp	rove-
ments and truc	k fill stand.						
Administrative	Building with	reinfo	rced	co	ncrete f	ounda	tion,
masonry walls.	steel framing	, built	-up i	roo	f, inter	ior s	upport
	heating and a						
plumbing, etc.); paved parki	ng, sit	e imp	pro	vements	and	
	PREVIOUS EDITIO	NS MAY BE U	SED IN	TERN	ALLY	121.	PAGE NO. 1
DD 1 DEC 761391	UN	TIL EXHAUS		ENT	PRINTING OFFIC	F 1070 - 6	
N 0102 LF 001 3910		±0.5. G	OVERNM	ENI	ERINTING OFFIC	19/9-0	03.010/3939

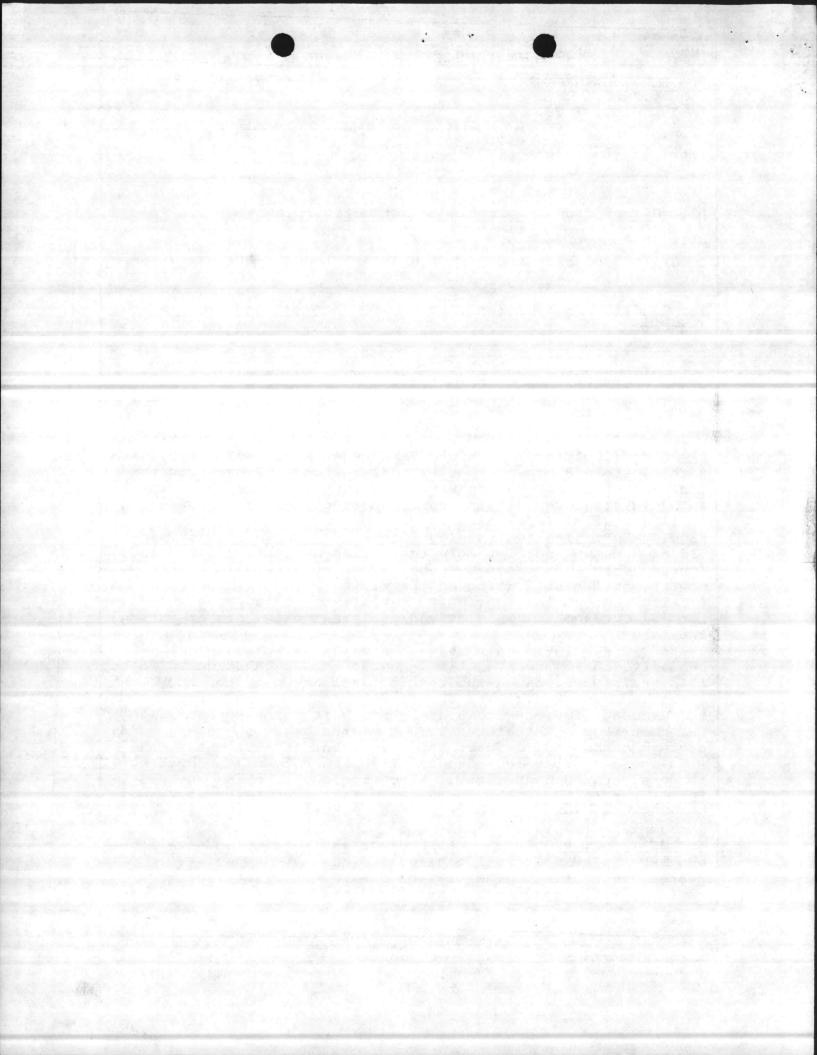


NAVY F		ARY CONSTRUCTIO	ON PROJECT DATA	2. DATE
MARINE CORPS B	ASE .			5 Feb 87
and the second	INC 20342		Sec. 1. Sec.	Sector States
PROJECT TITLE			5. PR	OJECT NUMBER
VEHICLE REAL	OY FUEL STO	RAGE		P-853
10. Descript	ion of pro	posed construc	tion: (cont'd	
utility conne	ections.			
Demolition of facilities.	existing 1	bulk fuel stor	age and fillin	ng station
Air Condition	ning: 3 to	ns.	and a second second Second second	
11. REQUIREM	MENT:			
CAT CODE	:	ADEQUATE	SUBSTANDA	RD
124-50	154,000 GA	ØGA	199,000 G	Α
123-10			ØO	The second
123-15	1,200 SF	Ø SF	798 SI	F
viding back u leased vehicl central fuel filling stati for all Gover the Base. <u>CURRENT SITUP</u> facility and 1943 era. Ma spent on thes the present t determine the storage tanks tion where ap to deteriorat facilities in Lejeune has g	The fuel s op fuel for distribution on is required intenance of the facilities of faci	storage facili more than 4,1 Lejeune. The on and receivi ired to establ cles and equip p Lejeune's ex d filling stat and repair fun es due to dete gineering Stud conditions of termine the ex Several tanks ons. Since th number of mil reased; thus c limb.	00 Government facility will ng point for ish a main re- ment which tra- isting fuel s ion was const ds are contine riorated cond y is being con the existing tent of soil have been ab e construction itary vehicle ausing yearly	owned and be the the Base. A fueling point avel through torage ructed in the uously being itions. At nducted to underground contamina- andoned due n of these s at Camp fuel
-	DROUTDED.	Maintenance	and repair fu	
IMPACT IF NOT			ha insdaansta	fuol
IMPACT IF NOT continue to b	be utilized	to maintain t		
IMPACT IF NOT continue to k storage facil	e utilized ities. The		uate fuel sto	rage

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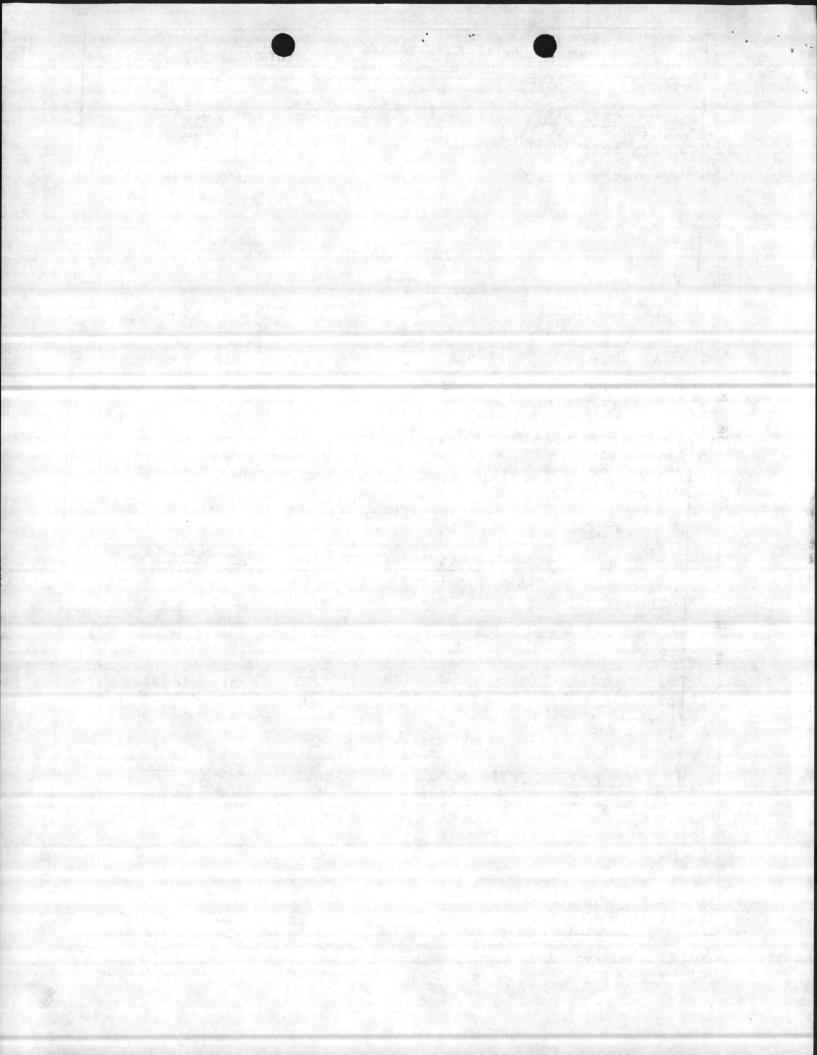
PAGE NO. 2 Of 3



INSTALLATION		LEJEUNE, NORTH	CAROLINA 28	S542	a charte
BROJECT TITLE			5.7	P-853	
VEHICLE RE	ADY FUEL STORA	IGE			
- personal states of					
	SPE	CIAL CONSIDERAT	IONS		-
		n na standing i Sana Sana Sana Sana Sana Sana Sana Sa			
1. Pollu	tion Preventio	n, Abatement, a al air or water	nd Control:	This proj	jec
will not	cause addition	ut utt			
2. Flood	Hazard Evalua	tion: Requirem	ents of Exe	cutive of de	
No 1129	6 (F1000 Hazar	ub) ult			
3. Envir	onmental Impac	t: The project	d where rec	quired, the	
Assessmen	t has been mac	le, retronted	aliminating	a adverse	
onvironme	intal effects	Comprocesse	and the second		•
	h chalter Con	nstruction: Fa	llout shelt	er protecti	on
is not in	ncorporated in	che ruorer			
E Desi	n for Accessi	bility of Physi	cally Handi	capped	ar
	• Provisions	TOT bulgerer 1	nandicapped	· ·····	
required	in this facil	1 c. j.	""" factor	s will be n	nad
Ito conto	rm with DOD is	oning: Ceiling 70.1-M.			
7. Pres	ervation of Hi	storical Sites	and Structu	v affect a	
Inroject	facility does	not directed	abjact ar	setting wh	ich
				possess a	
Laignific	ant quality of	American	1000		
8. "Net	Start" Crite:	ria for Commerc	ial or Indu	strial Acti	VIT
Program	(OMB Circular	A-76): Not ap	Pricable.		
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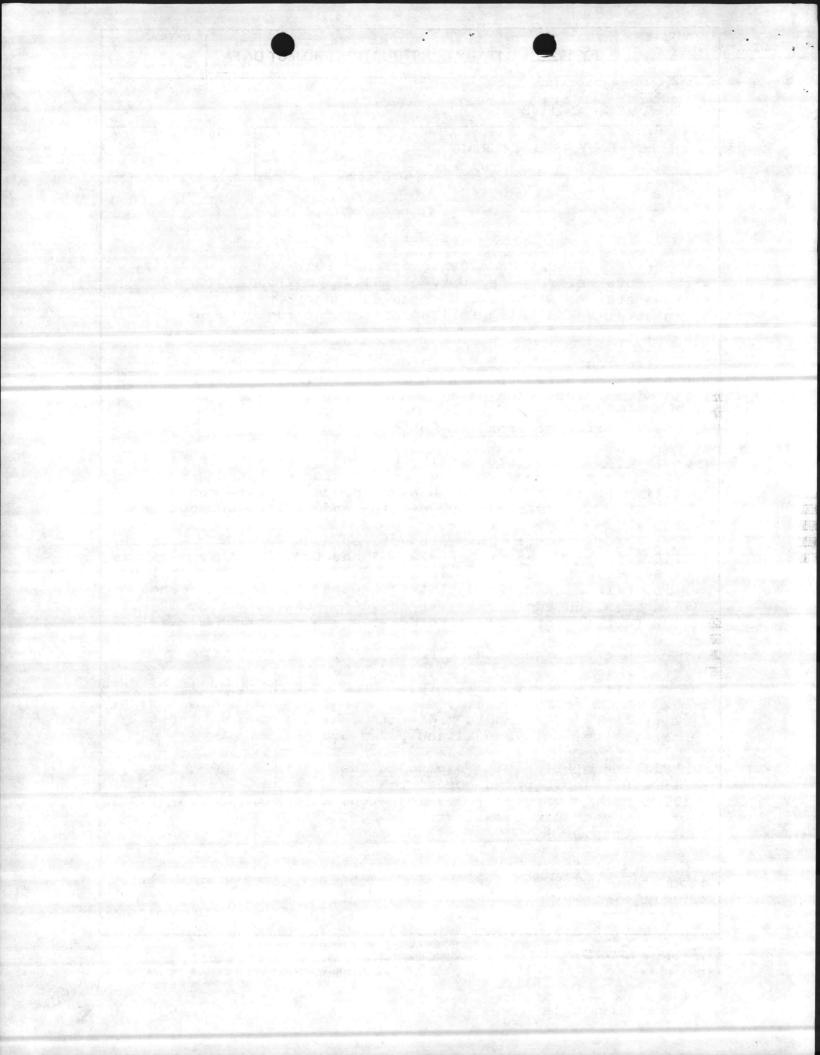
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NAVY	FY 19 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE 5 Feb 87
MARINE CORE CAMP LEJEUN		a naga sa sa	
PROJECT TITLE	EADY FUEL STORAGE		ect number -853
	FACILITY STUDY	· · · ·	
with a tot filling st administra	ct: Provide a Vehicle Ready Fuel St al storage capacity of 154,000 gallo ation with fuel dispensing capabilit tive building for support of the fue ation facilities.	ns. P ies an	rovide a d an
Project:	t and Planned Future Workload with R The duration of need is indefinite a be utilized 100% of the time.	egard Ind the	to this facil-
3. <u>Descri</u>	ption of Proposed Construction:		
and fillin istrative ions, pave b. <u>Re</u>	pe of Construction: Permanent fuel g station with above ground storage building, fuel dispensing pumps, uti d access roads and parking and utili placement: This project replaces 79	tanks, lity c ty con	admin- connect- nections. gallons
code 821-6 station wi filling st	A in Category Code 124-50 and 600,00 0) of inadequate fuel storage facili th dispensing outlets (Category Code ation administrative building (category are Feet. For more details see para	ties, 123-1 Jory Co	a filling Ø) and de 123-15)
c. <u>De</u>	scription of Work to be Done:		
above grou fire prote) Primary Facilities: Fuel storage and storage tanks, with concrete four ction, cathodic protection, area lig- ite improvements and paved access ro	dation the second	s, piping,
dispensing metal cano	g station with piping to fuel storage pumps, paved access roads and refue py cover for refueling area, fire pr communications, utility connections ts.	eling a otecti	ireas, on, area
tion, maso support sy	strative building with reinforced conry walls, steel framing, built-up restems, (i.e.: heating and air condition, plumbing, etc.), paved parking, st	coof, i cioning	nterior , fire

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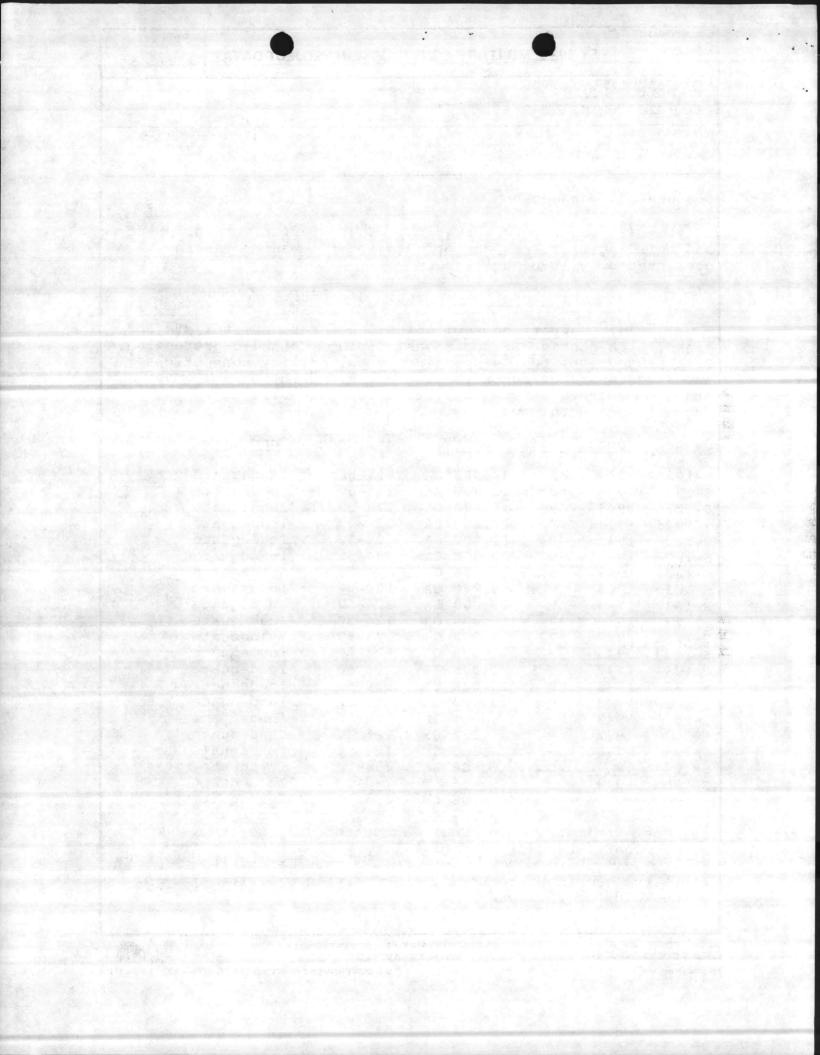
COMPONENT			*				2. DATE
INAV I	FY	19	MILITARY	CONS	STRUCTION PRO	JEET DATA	5 Feb 87
MARINE CO	DAND LO	CATION					a server the server
CAMP LEJI			2				
PROJECT TIT			amonia				ECT NUMBER
VEHICLE	READY	FUEL	STORAGE			P-	-853
		den de la					
and util:	ity con	nnect	ions.				
	(2) E	nerav	Conserva	atio	n: Energy e	efficient	equipment
					ntation for		
			e utilize				51
	(2) 0		und Found	-		aloguro (1	and the second second
	(3) C	ollate	eral Equi	pme	nt: See end	ciosure (i).
	(4) S	uppor	ting Fact	ilit	ies: Underg	ground fue	l storage
	ith co	ncrete	e foundat	cion	s, piping, o	cathodic p	rotection,
					g pumps, ut		
aved acc	cess r	oads a	and refue	elin	g areas, po	llution ab	atement
				llit	ies to be de	emolished	by this
roject a	are as Date	TOTIC	ows:		Use		
sldg # (Const.	Type	U/M		Cat. Code	Conditio	n
7 . M		Sec. 18		1		-	
	1943	P	600,000		821-60	Inadequa	
	1943	P	12,000			Inadequa Inadequa	
	1943 1943	P P	15,000			Inadequa	
	1943	P	15,000		124-50	Inadequa	
	1943	P	15,000			Inadequa	
	1943	P	15,000		124-50	Inadequa	
	1943	P	15,000		124-50	Inadequa	
	1943	P	12,000		124-50	Inadequa	
	1943	Р	15,000		124-50	Inadequa	
	1943	Р	12,000		124-50	Inadequa	
	1943	Р	12,000		124-50	Inadequa	
	1943	Р	12,000		124-50	Inadequa	
	1943	P	15,000		124-50	Inadequa	
	1943	P	15,000		124-50	Inadequa	
	1943	P		OL	123-10	Inadequa	
A CONTRACTOR OF A CONTRACTOR	1972	P	132		126-30	Inadequa	
	1943	P	132	SF	126-30	Inadequa Inadquat	
	1948	P		SF	730-12 730-12	Inadequa	
	1948 1942	P P		SF		Inadequa	
1002	1742		150	51	100 10		
4. Cost	Estim	ate:	Area Co	st E	actor for C	amp Lejeun	e, NC is
Ø.86. C	ost da	ta de	rived fr	om M	Military Co	nstruction	Cost
	uide F	Y-82	(DOD 427	0.1-	CG) to prov	ide for th	15
Review G	esca	lated	to FY-9	0.	A contingen	cy factor	01 58 15
facility	, соса						the second second second second
facility	ed for	this	project	•			

US GOVERNMENT PRINTING OFFICE 1978-703-173/34312-1

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S/N 0102-LF-001-3915



1 COMPONENT NAVY	FY 19 MILITARY CONSTRUCTION PROJECT	DATA	2 DATE 5 Feb 87
MARINE COL	AND LOCATION RPS BASE . INE, NC 28542		
4. PROJECT TITL	E READY FUEL STORAGE		ECT NUMBER

Justification for Project and for Scope of Project: 5.

Justification of Project: a.

(1) Construct a Fuel Storage facility with a total storage capacity of 154,000 gallons. Project is to include a filling station with fuel dispensing capabilities and an administrative building for support of the Fuel Storage and Filling Station facilities.

(2) Requirement: The fuel storage facility is required to provide back up fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment traveling through the Industrial Area of the Base.

(3) Curent Situation: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and it was deemed necessary to abandon several tanks.

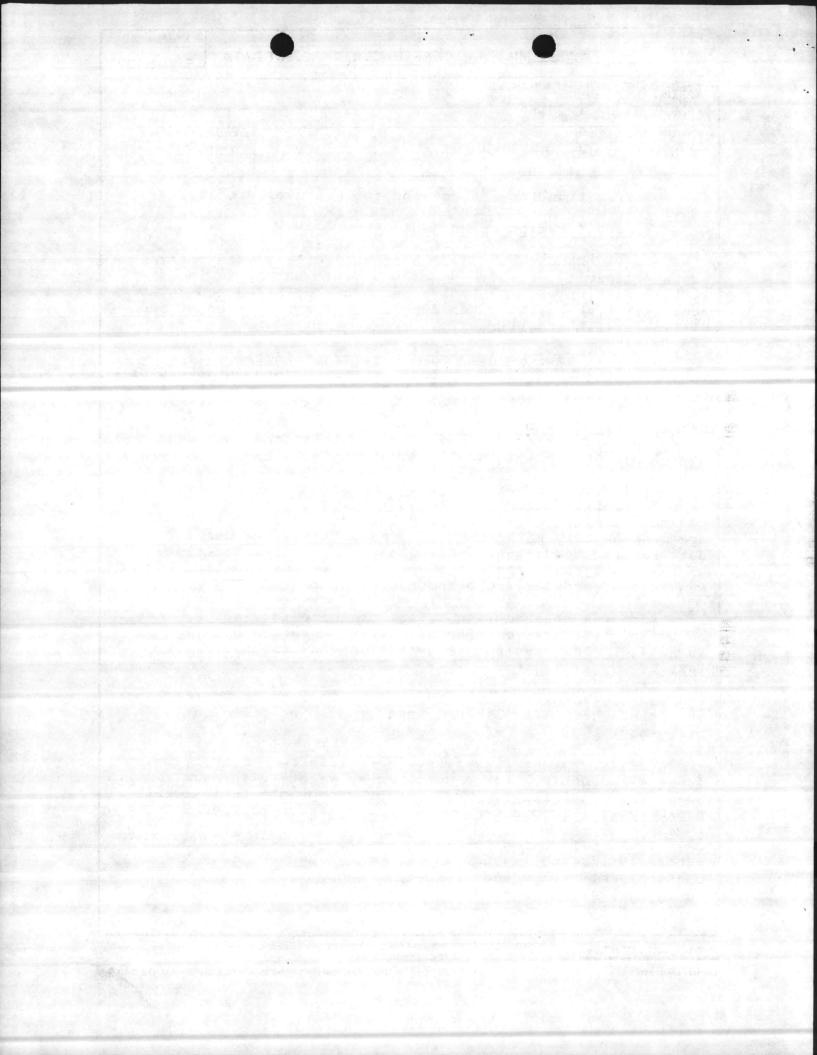
Since the construction (1943) of these facilities, the number of military vehicles at Camp Lejeune has greatly increased, thus causing yearly fuel consumption levels to soar.

The fuel storage facility at Camp Lejeune is approaching the point where its mission can no longer be efficiently performed.

Impact If Not Provided: Maintenance and repair (4) funds will continue to be utilized to maintain these inadequate facilities. The lack of acceptable fuel storage capacity will impair the combat readiness of the Base.

Justification for Scope of Project: The project b. scope, 154,000 gallons is the minimum size facility that can meet the deficiency requirements for the Fuel Storage Facility needs of the Base.

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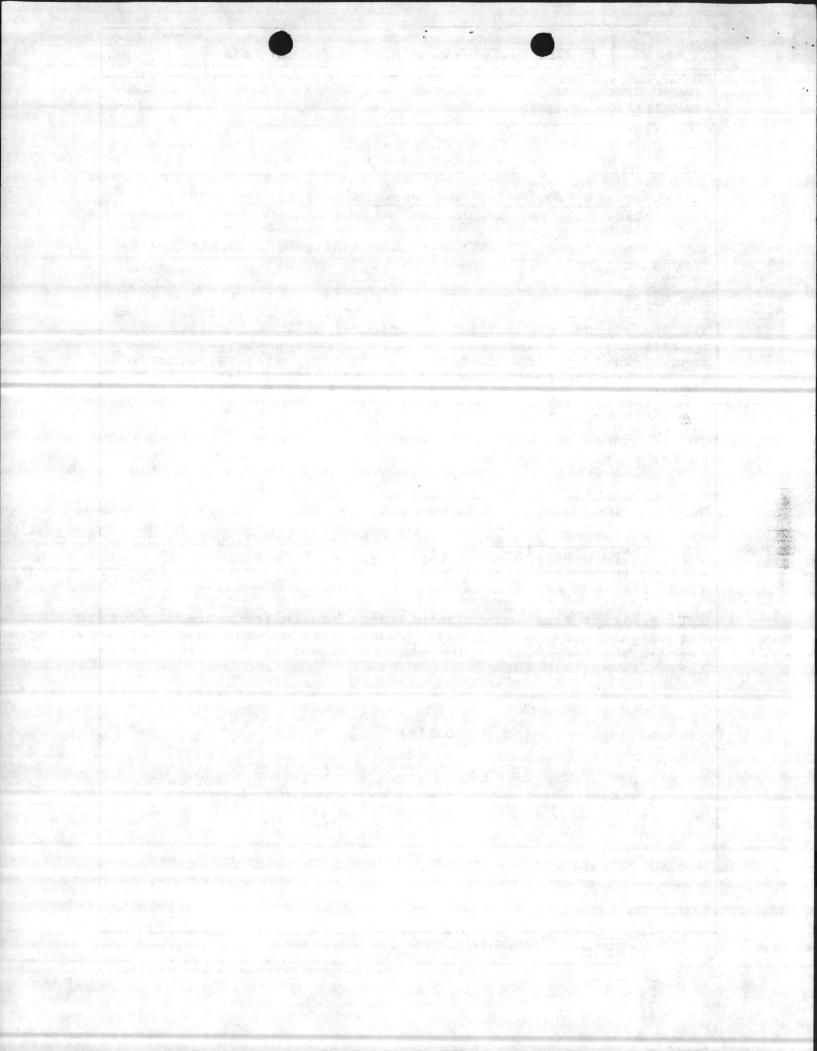
NAVY	FY 19 MILITARY CONS		I DATA	5 Feb 87
MARINE CORP CAMP LEJEUN	S BASE . E, NC 28542			
VEHICLE I	READY FUEL STORAGE		5. PROJE	P-853
6. <u>Equipm</u> applicable	ent Provided from Oth •	ner Appropriati	ons: N	ot
	Support Facilities: port facilities avail			re are no
minimal in and operat operate th responsive and comply	On Other Resources: crease in O&MMC funds ions. No additional p is facility. Propose to the challenges p with the requirement 77, and implemented b	s for increased personnel will ed construction resented by the ts of Executive	l utilit be requ should e energy e Order	y services ired to be situation
in the Had	of the Project: The not Point Area, in ke n. See enclosure (2)	eeping with the	will be camp L	located ejeune
-	Graphic Presentation es Planning Document (enc		Photogra	phs:
structed o will be in	mic Analysis: These n a partially develop nominal energy const ient operations.	ped site. Ecor	nomic sa	vings
Assessment through th	onmental Impact Asses (EIA) is being writ e local EIA Review Bo anticipated.	ten and will be	e proces	sed
13. Quant	itative Data:			
a. Un	it of Measure: Gall	ons		
certified Code 124-5	tal Requirement: 15 Basic Facility Requi Ø, no longer reflect y, revised BFRL requ	rement (276,340 s the true need	Ø SF) fo ds of th	r Category e Base.
c. <u>Ex</u>	isting Substandard:	Ø		
d. Ex	isting Inadequate:	792,000 Gallons	5	

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S/N 0102 LF-001-3915

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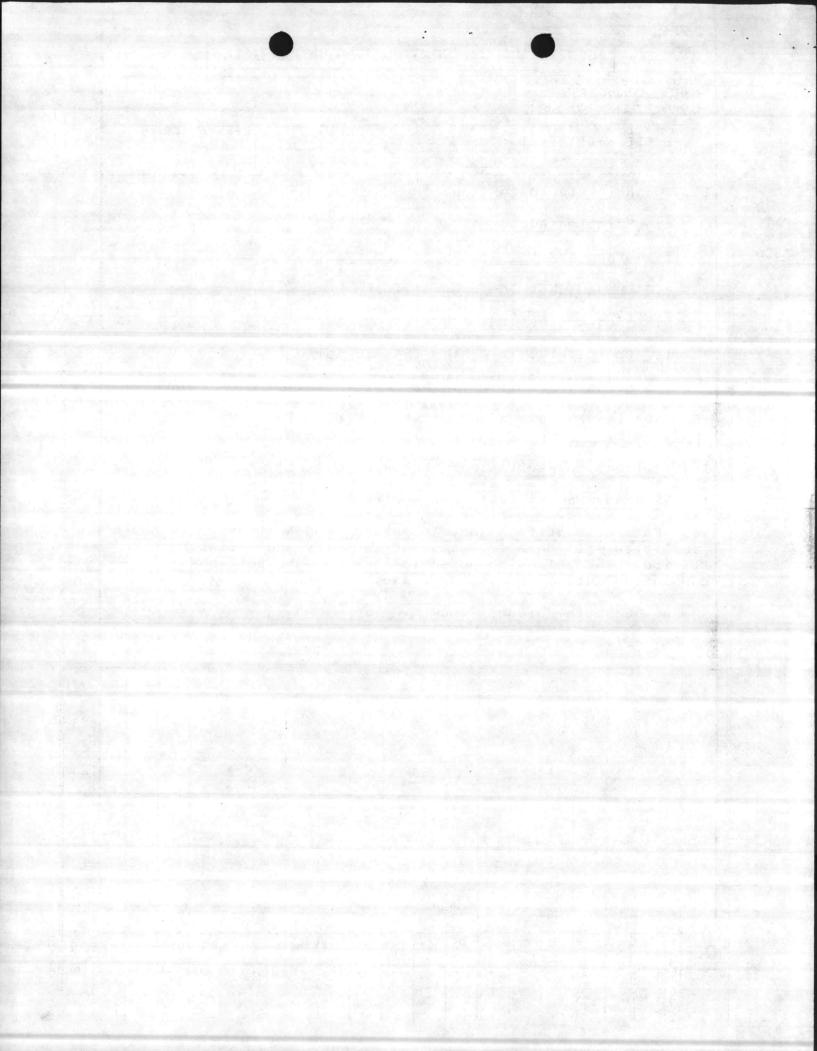
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FY 19 MILITARY CONSTRUCT	ION PROJECT DATA	2. DATE 5 Feb 87
AND LOCATION PS BASE . NE, NC 28542		5 100 07
READY FUEL STORAGE		ect number 853
itative Date (cont'd):		
isting Adequate: Ø		
her Assets, Not in Inventor	ry: Ø	
nded, Not in Inventory: Ø		
equate Assets: (e + f + g)) = Ø	
ficiency: (b - h) = 154,000	Ø Gallons	
enance Facility: Not appli	icable.	
e, Welfare and Recreation H	Facilities: Not	
ation Facilities: Not app!	licable.	
ge Facilities: Not applica	able.	
will be a fuel storage fac	cility and a fil	ling
soline/Diesel Fumes		
re		
a an		
	AND LOCATION PS BASE . NE, NC 28542 READY FUEL STORAGE itative Date (cont'd): isting Adequate: Ø her Assets, Not in Inventor nded, Not in Inventory: Ø equate Assets: (e + f + g) ficiency: (b - h) = 154,000 enance Facility: Not appl e, Welfare and Recreation M ation Facilities: Not appl ge Facilities: Not application d Identification, Assessment will be a fuel storage factor The following potential has during the design phase: soline/Diesel Fumes	AND LOCATION SS BASE WE, NC 28542 READY FUEL STORAGE itative Date (cont'd): isting Adequate: Ø her Assets, Not in Inventory: Ø nded, Not in Inventory: Ø equate Assets: (e + f + g) = Ø ficiency: (b - h) = 154,000 Gallons enance Facility: Not applicable. e, Welfare and Recreation Facilities: Not ation Facilities: Not applicable. ge Facilities: Not applicable. d Identification, Assessment and Analysis: will be a fuel storage facility and a fil The following potential hazardous condition during the design phase: soline/Diesel Fumes

S/N 0102-LF-001-3915

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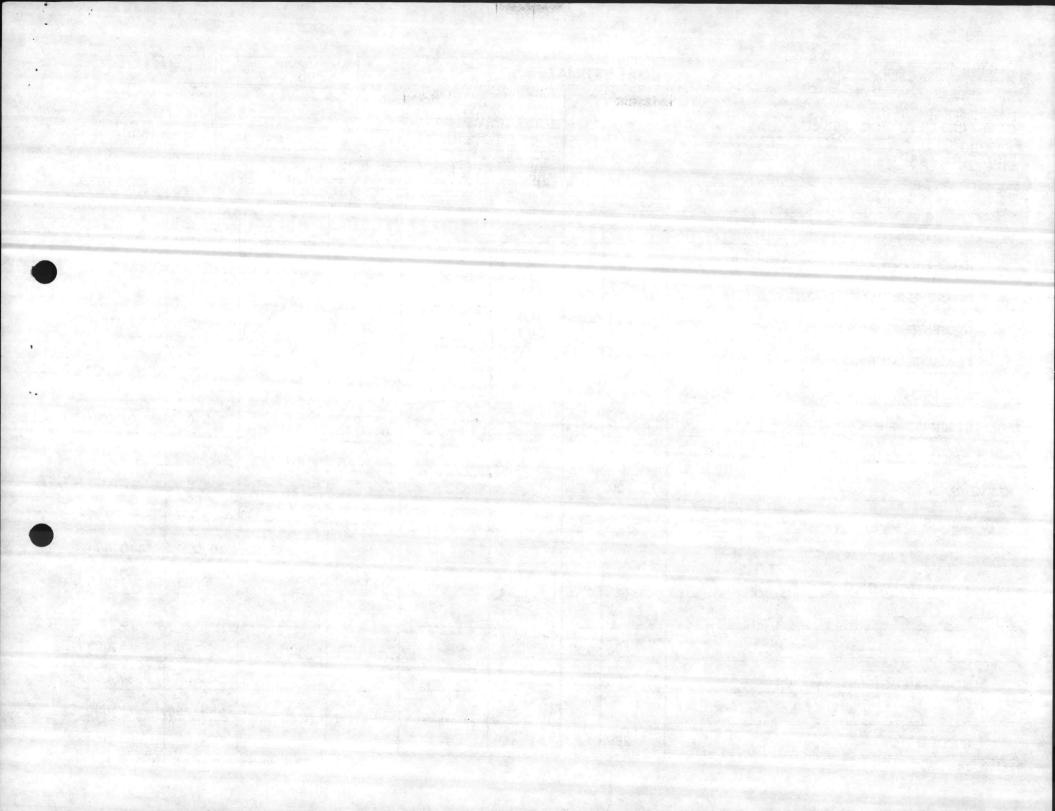
AVFAC 11013/7 (1-78) upersedes NAVDOCKS 2417 and 2417A		COST E	STIM	ATE		DA	5 Feb 87	SHEET1	OF 2
CTIVITY AND LOCATION MARINE CORPS BASE		Sec. 1	1	CONSTRUCTION C	ONTRACT NO.			P-8	and the second second
CAMP LEJEUNE, NC 2	8542			ESTIMATED BY	BRANT			LCATEGORY C	-50
NOJECT TITLE VEHICLE READY FUEL	STORAGE			STATUS OF DESIG		FINAL X	Other (Specify) Proj	JOB ORDER	NUMBER
ITEM DES	COURTION	QUANTI			IAL COST		BOR COST	ENGINEERIN UNIT COST	IG ESTIMATE
ITEM DES		NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNITCOST	TUTAL
VEHCILE READY FUEL STO	ORAGE:			No. San		- N		1.4 m (247.8)	- 14
GASOLINE STORAGE	(REGULAR)	24,000	GA	and the		199	Zar	0.90	21,600
GASOLINE STORAGE	(UNLEADED)	30,000	GA				1 and 1	0.90	27,000
DIESEL FUEL STOR	AGE	90,000	GA	1.00		and the second		0.90	81,000
KEROSENE STORAGE		10,000	GA					0.90	9,000
FILLING STATION:			6			1			
FUEL DISPENSING PUMPS	(DOUBLE)	10	OL				an a	5,000	50,00
UNDERGROUND STORAGE T	ANK (5,000 GA)	4	EA					15,000	60,00
METAL CANOPY		12,500	SF				and the second	8.85	110,00
ATTENDANT'S BOOTH		70	SF					17.65	1,23
TRUCK FILL STAND		4	OL		the state	a strange of		10,000	40,00
ADMINISTRATIVE BUILDI	NG	1,200	SF			- 12 - 17 - 19 		70.00	84,00
SUPPORTING FACILITIES	:	and t	24	and the second second					
WATER		676	LF		वस्त्रि			22.20	15,00
SEWER AND STORM	DRAINAGE	595	LF	Constant of the				45.37	27,00
STEAM		150	LF					90.00	13,50
ELECTRICITY		295	LF					144.06	42,50

S/N 0105-LF-010-1335

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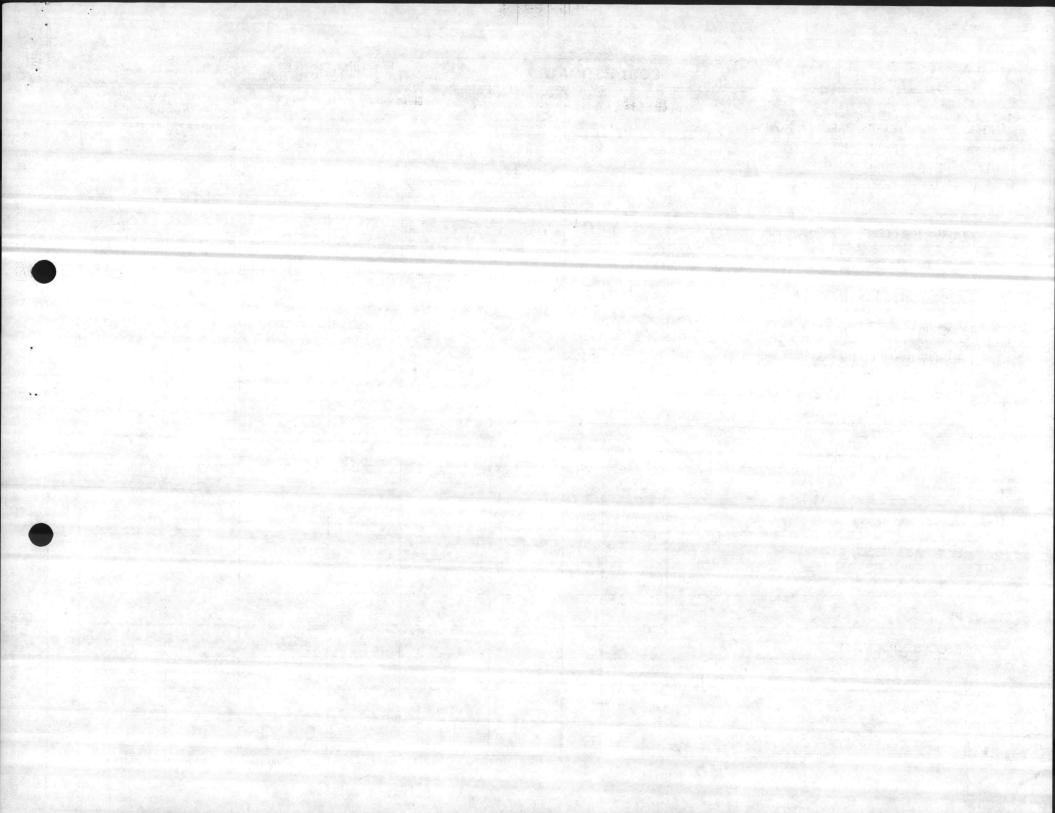


NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST E	STIM	ATE	A CARGE AND A CARGO		Feb 87	SHEET	2 ^{OF} 2
MARINE CORPS BASE			CONSTRUCTION	CONTRACT NO.			P	ATION NUMBER 353 Y CODE NUMBER
CAMP LEJEUNE, NORTH CAROLINA 28542			ESTIMATED BY	W. L. BRA	NT			4–50
VEHICLE READY FUEL STORAGE			STATUS OF DESI			er (Specify) Proje	JOB ORDE	R NUMBER
ITEM DESCRIPTION	QUANTI	TY	MATE UNIT COST	TOTAL	LAB UNIT COST	OR COST TOTAL	ENGINEER UNIT COST	ING ESTIMATE TOTAL
COMMUNICATIONS & FIRE ALARM	1	LS	ar e hares					11,000
SITE IMPROVEMENTS & DEMOLITION	61,500	SY	17 S.		and the second		8.25	507,300
PAVEMENTS: RIGID AND FLEXIBLE	6,000	SY					13.90	83,400
CONCRETE PIPE CHASE	2,500	LF					31.20	78,000
SPEC CONST. FEATURES (i.e.: concr	rete 1	LS					-	250,000
foundations, pollution abatement	E ^{lect} ion and a second							-
structures, security fencing,			B. Sector	and the second	a stande	and the second second	-	-
security lighting etc.)	Server States						-	
SUBTOTAL		1					1	1,511,535
CONTINGENCY 5%		Sec.	1		1			75,500
TOTAL CONTRACT COST				1				1,587,03
SIOH 5.5%			Providence (S. Park				87,000
TOTAL REQUEST				Sector				1,674,03
TOTAL REQUEST ROUNDED								1,700,000
		100		1997 - 1997 - 1997 1997 - 1997 - 1997	Sec. 2	Tuké né l		
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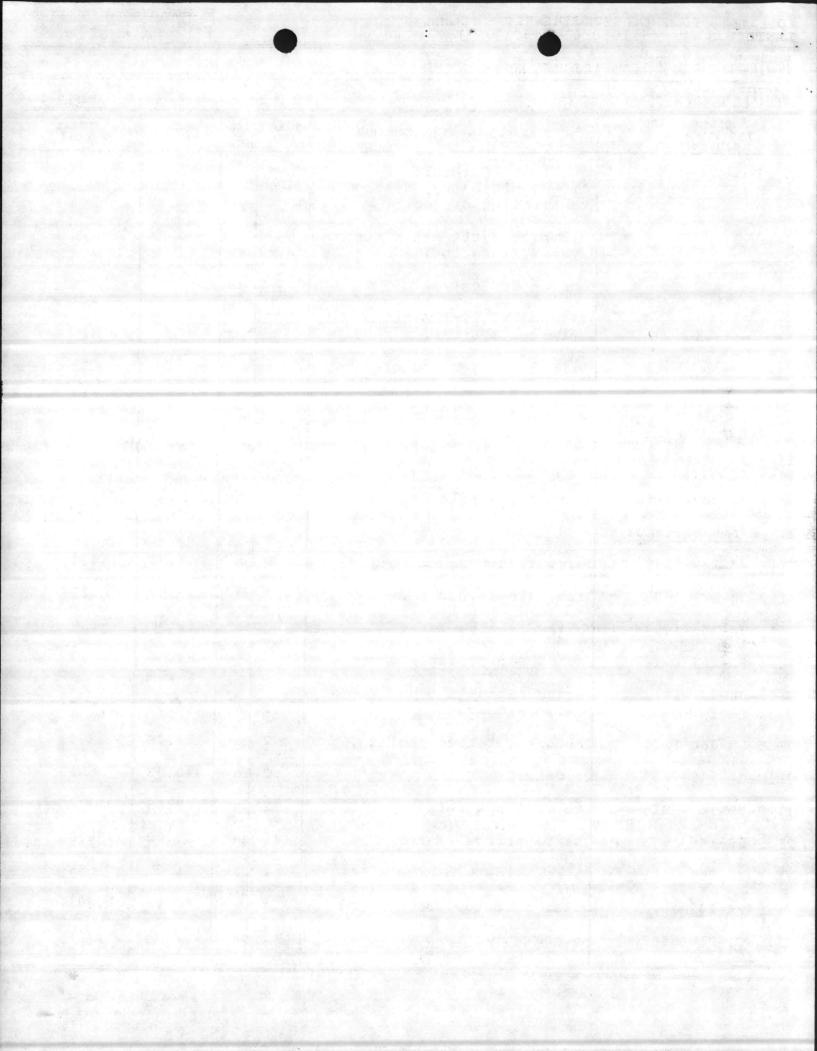


COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (ev.11/81) 1. ACTIVITY (Nese and Location)

DATE 30 Sep 86

2. PROJECT TITLE VEHICLE READY FUEL STO	RAGE (FY-90)			a star	P. NO. P-853
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN. TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL
1. Built In Eqpt to be MCON Funded:	Air Conditioning, Heating & ventilating systems Plumbing systems and Steam system (interior)		sys sys	· · · · ·	•
	*Sprinkler System		sys		
	*Telephone, Fire Alarm & intercom systems		sys		
	Drinking water coolers		ea		
	*Blinds, venetian, light tight and window screens		pr		5.13
	*Public address system		sys		· · · · ·
2. Expense Items:	besk flat ton, dbl ped	8	ea	234.23	1,874
7110-00-149-1630	besk, flat top, dbl ped		ea		
7110-00-149-1628	Desk, single ped	2	ea	180.09	360
7110-00-149-1653	Chair, rotary w/arms	10	ea	82.00	820
7110-00-958-8044	Chair, secretarial rotary	8	1	64.60	517
7110-00-497-2012	Filing cabinet, 5 dwr, legal size, parchment	8	ea	146.20	1,170
7125-00-764-6129	Cabinet, storage, dbl dr.	2	ea	132.78	266
7110-00-149-1659	Credenza	2	ea	340.39	681
7110-00-113-0816	Table, gen'l purpose	2	ea	168.45	337
7110-00-149-1653	Chair, office w/arms	10	ea	82.00	820
7110-00-149-2075	Chair, side w/o arms	8	ea	71.05	568
7110-00-149-1628	pesk, flat top, single ped	6	ea	180.09	1,081 .
.7110-01-016-6580	Attachment for above desk	6	ea	132.93	798
		and the second	100	an standard by	and the second

Pege 1 of 3 Enclosure (1)



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (200.11/81)

MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

	DATE 30 Sep

86

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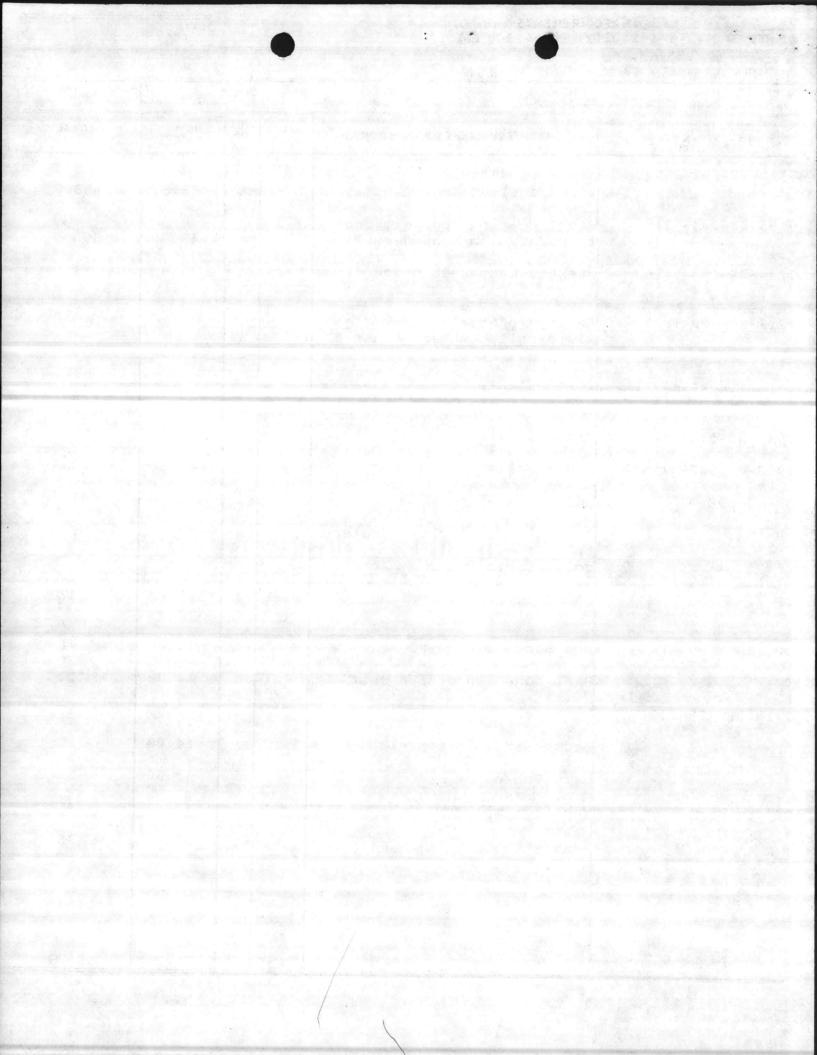
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	TTEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
110-00-601-9822	Bookcase, 48 [†] overall 2 adj shelves	8	ea	82.92	663
195-00-004-6716	Rack, wearing apparel, con- temporary 6 mtl hangers	8	ea	49.39	395
240-00-285-5416	Basket, waste, 24 guage steel	20	ea	2.85	57
210-00-720-1815	Extinguisher, fire 2-1/2 gal air expelled water, Class A stainless steel	6	ea	25.98	156
210-01-089-0875	Extinguisher, fire, 20 lb Halon	6	ea	90.00	540
645-00-514-3523	Clock, wall	12	ea	8.20	98
910-00-680-8296	Floor Polisher	1	ea	209.90	210
P MONROE	Adding Machine	1	ea	400.00	400
P IBM	Typewriter, electric, selec- tric II, dual pitch, correctable	3	ea	850.00	2,550
P .	Vacuum cleaner, upright	_ 1	ea	127.00 (est)	127
P (DUTY ROOM)	Bed Bunk, king size	1	ea	71.00	71
	Bed, bunk conversion unit	1	ea	14.00	14
210-00-139-6424	Mattress	1	ea	54.00	• 54
PP :	Bedspread (2 per man)	2	ea	14.00	28
	Lamp Table	1	ea	33.00	33
P	Table, lamp	1	ea	45.00	45
	Tackboard	1	ea	35.00	35
	TOTAL EXPENSE ITEMS				14,768
		24			1.00

Page

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of

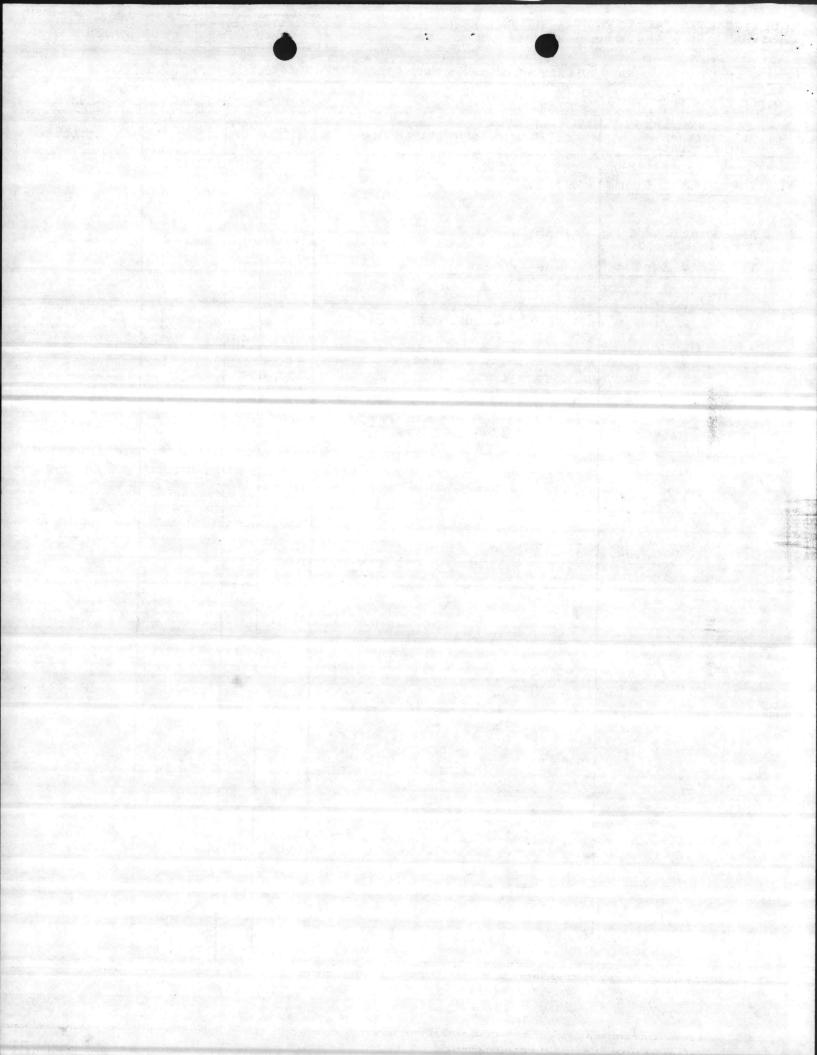


COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (2011/81)

DATE 30 Sep 86

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

HI	CLE READY FUEL STORA	GE (FY-90)	р. NO. Р-853				
	COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPA	MENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
	Investment Items	None.					
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•	APA Eqpt:	None.		to the set		, se k	P. C.
•	Training Eqpt.:	None					
		Estimated BOD	December 1991				
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REQUEST FOR PROJECT SITE APPROVAL

NAVNO 11059 (11-80) SN 0000-00-7880 UN PADS OF 50

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PROJECT NUMBER

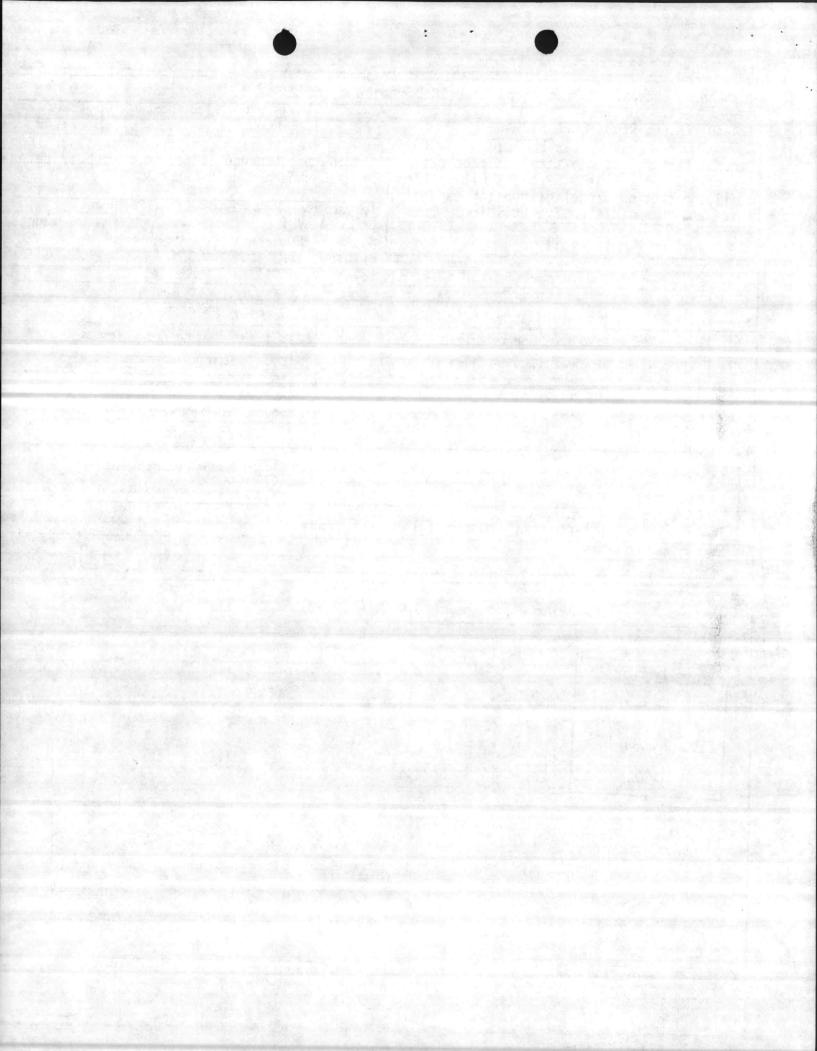
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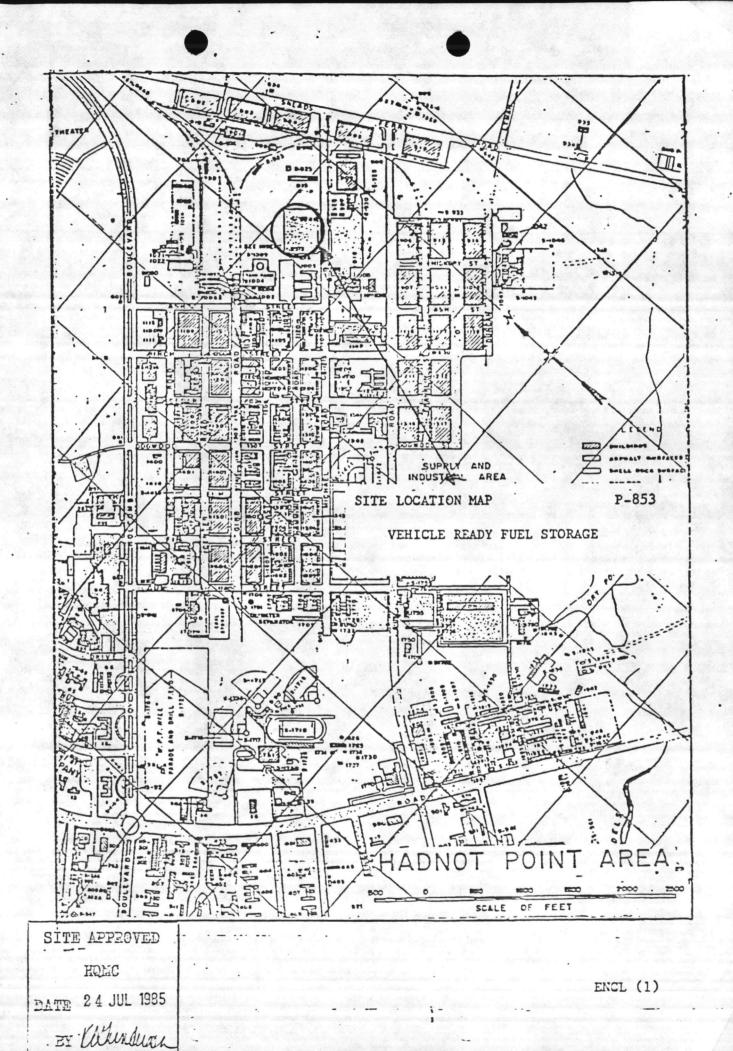
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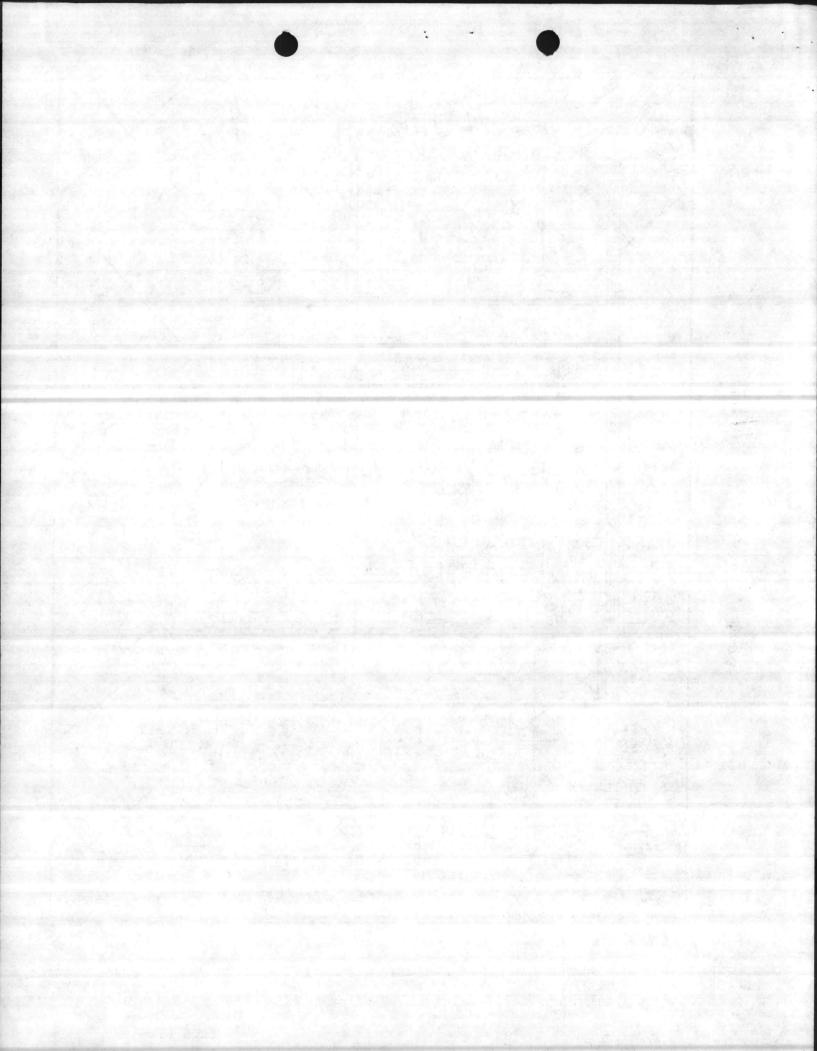
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TYPE OF N	and an administ		DATE		TIEB	7			JUL 1	
Sile			ANALYSIS each item. Y = Yes; N		rectin	חכ		DATE	RECEIVED	
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Y N			NNED DEVELOPMEN	T GOALS		d.	COMPLIES W	TH THE FOLLO	WING CRITERIA	
11	b. DEMONSTRATES S	OUND PLANNIN	IG PRINCIPLES	12		~	(1) AMMUNITION AND EXPLOSIVES			
	C. MEETS MINIMUM P	LANNING AND	SITING CRITERIA			1	(2) ELECTR	DMAGNETIC RA	DIATION	
				•••••••••••••••••••••••••••••			(3) AIRFIELD SAFETY			
			***********************************		1	1	(4) NOISE IN	TENSITY		
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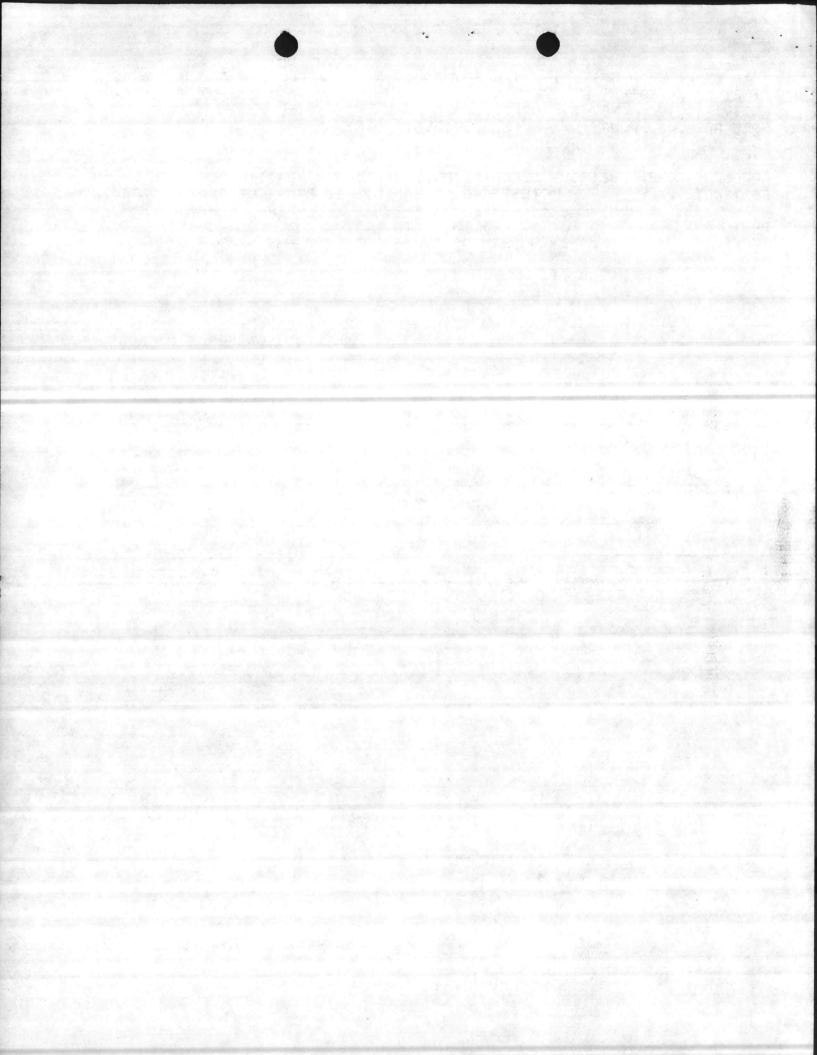






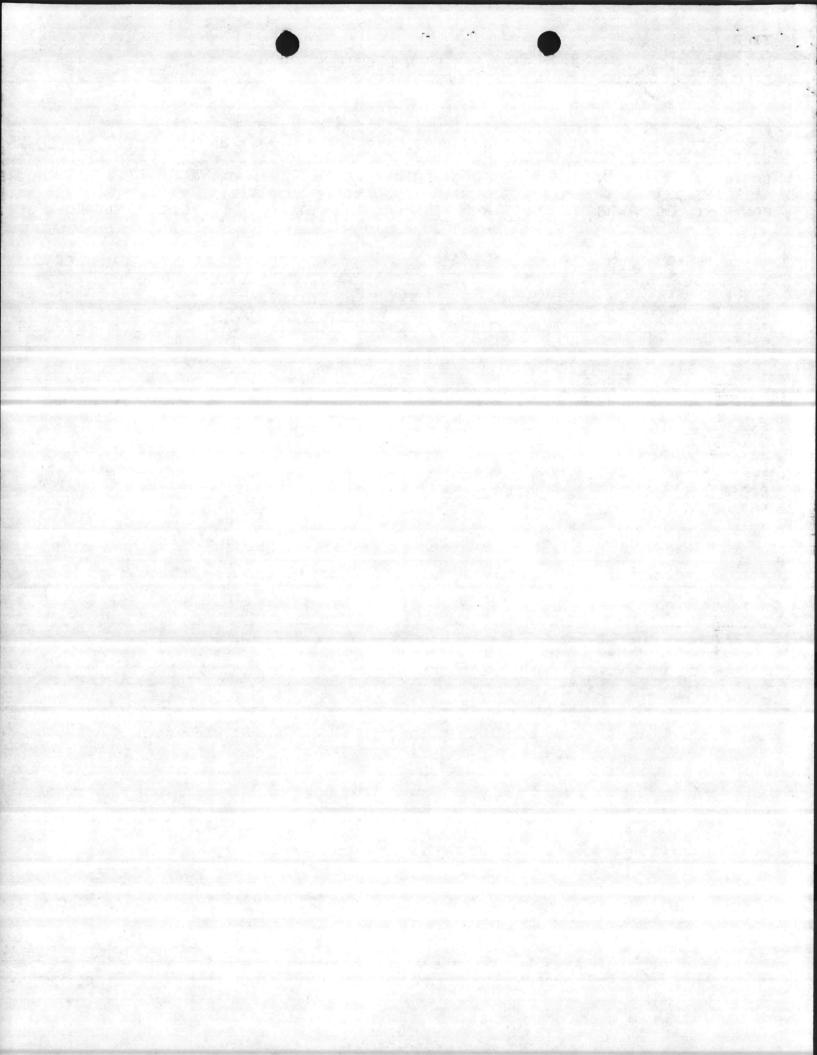
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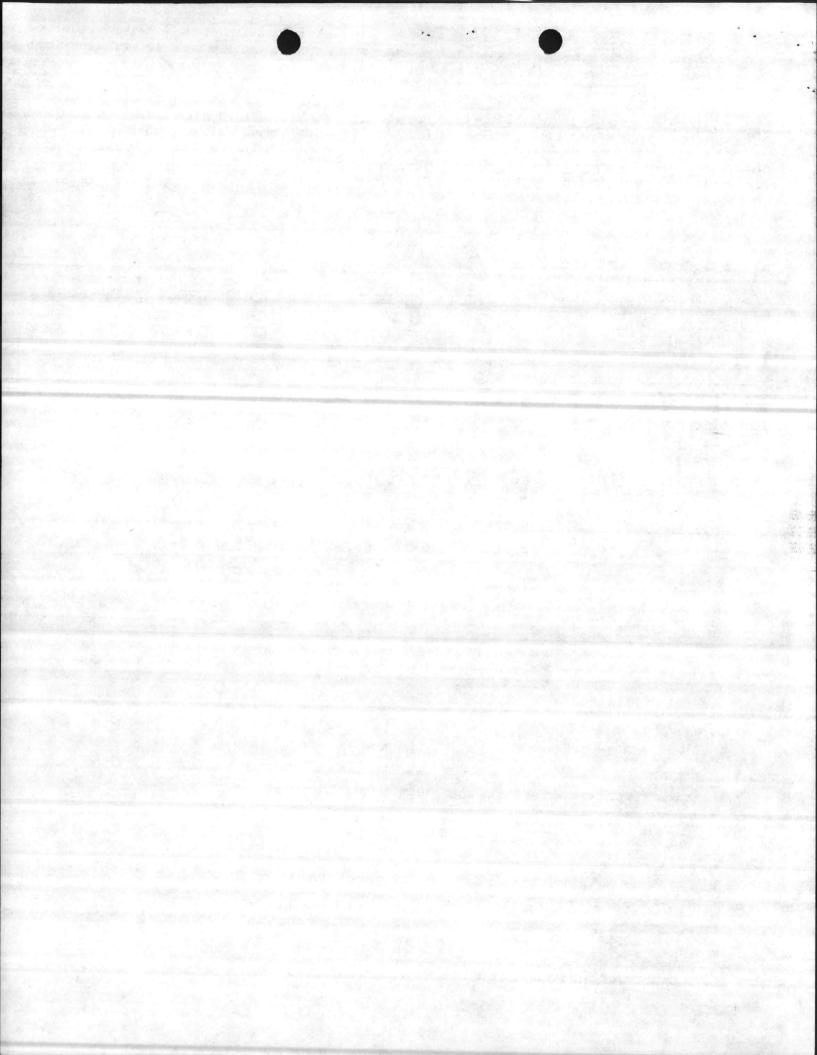


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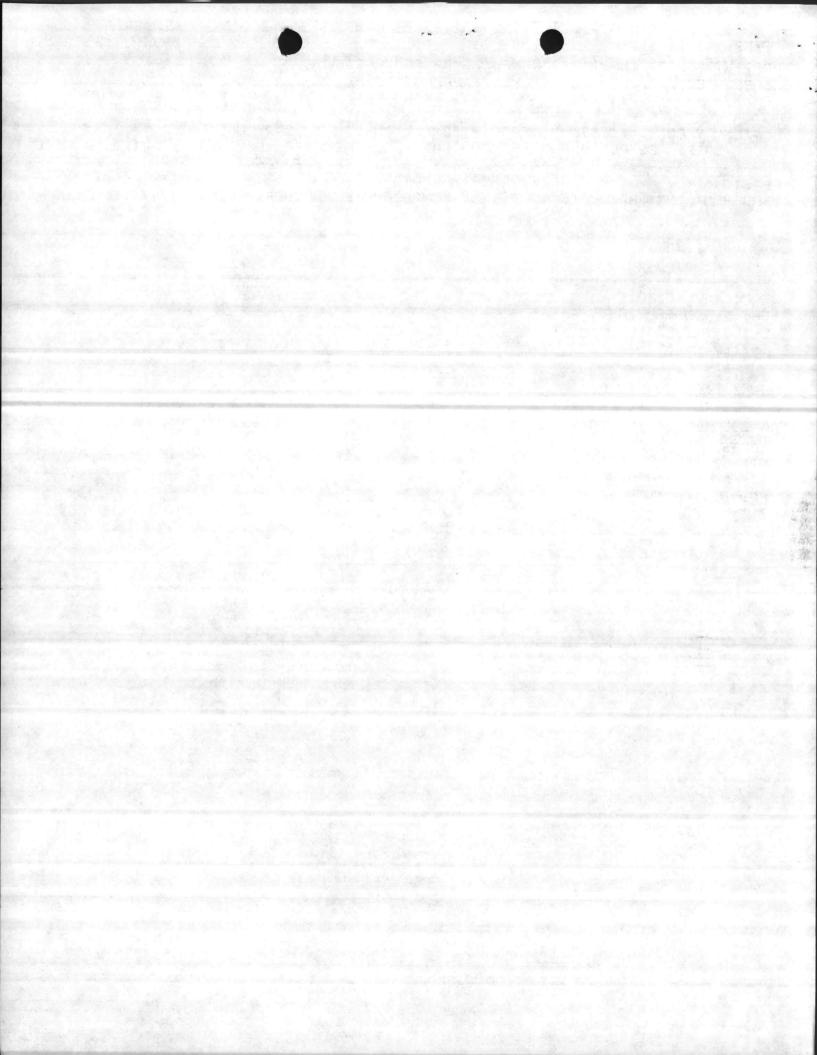
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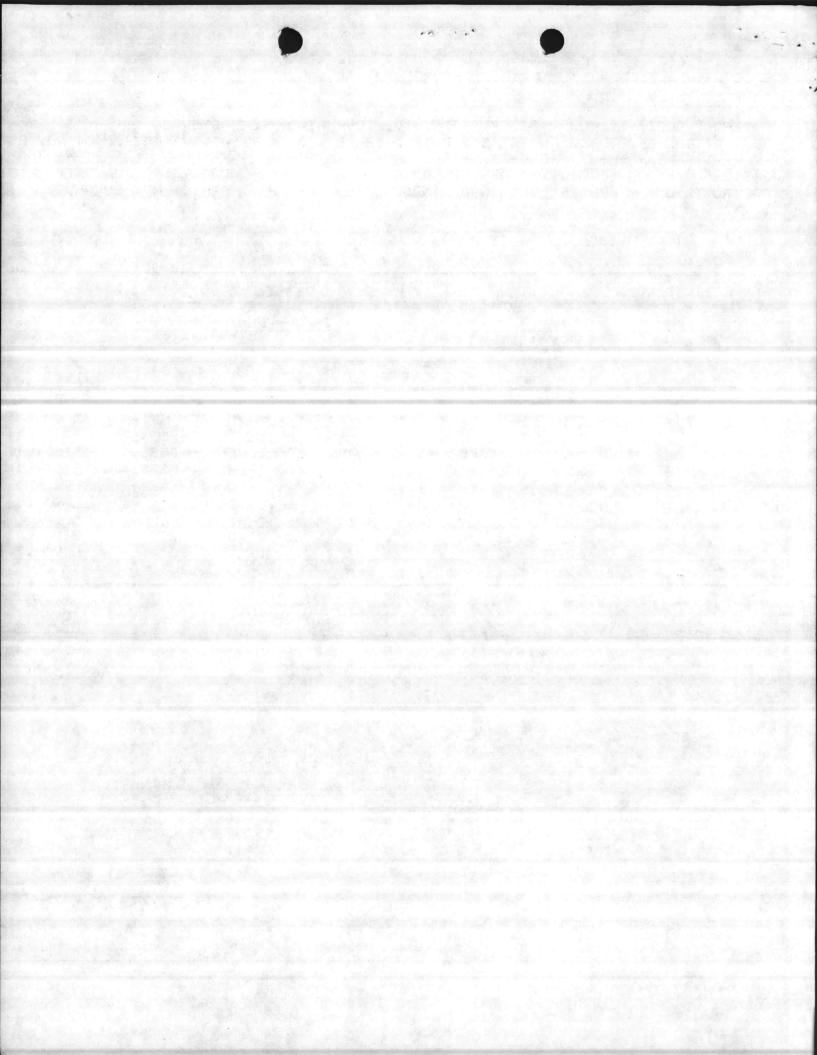
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	TATAS PROPOSED ALECUATE ASSETS = 4
5-1035 FND 5-1011	SGO ILCOM, EST. \$1700K. WILL REPL. S-1038. DITH A NEW TANK TRUCH (SFE LOADING SEE DAT. CODE 124-10 FOR ADDITIONAL

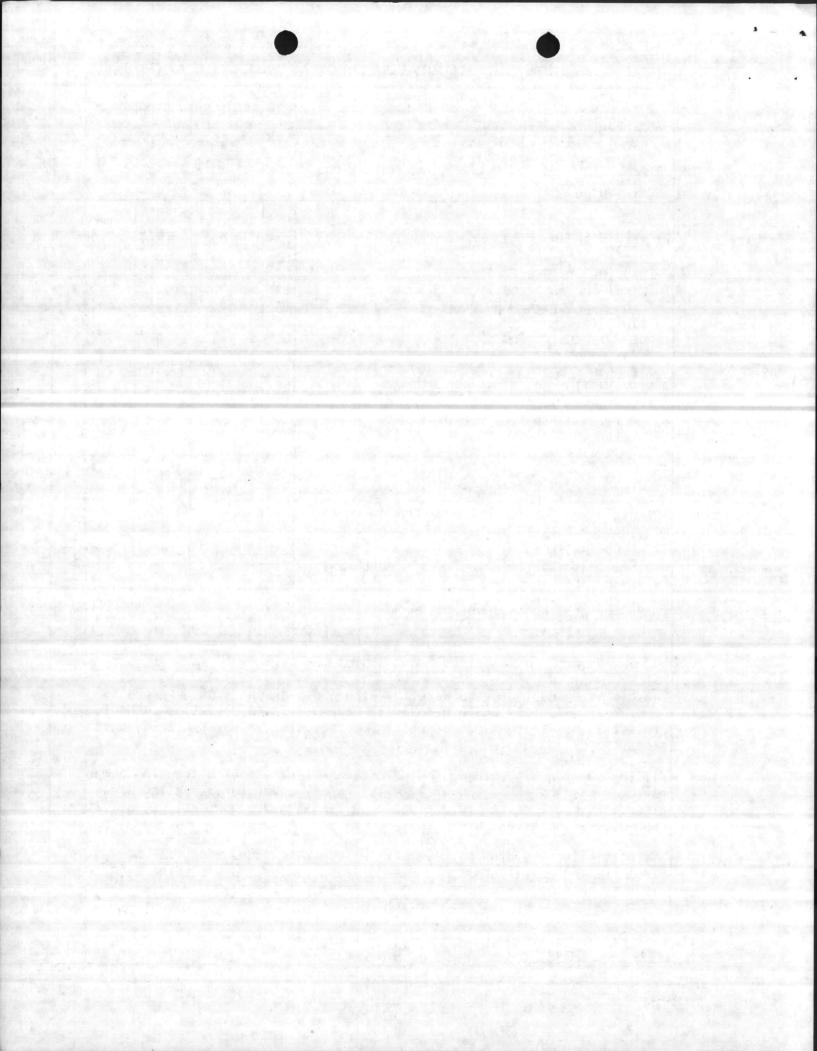


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3. INSTALLATION AND L	OCATION		4. PROJEC	TTITLE		
MARINE CORPS BASE				READY FU	EL STOR	AGE
5. PROGRAM ELEMENT	PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT				ECT COST	(\$000)
	124-50	P-8	53	2,150)	
ESCALATED TO APR	IL 1990 9. cc	OST ESTIMA	TES	1 N 18	the same	the second second
	ITEM		U/M	QUANTITY	COST	COST (\$000)
Gasoline Storag Gasoline Storag Diesel Fuel Stor Kerosene Storag FILLING STATION: Fuel Dispensing Metal Canopy Attendants Boot ADMINISTRATION BU SUPPORTING FACIL Special Constru Utility Connect Communications Site Improvemen Pavements: Rig Concrete Pipe of SUBTOTAL CONTINGENCY - (55) TOTAL CONTRACT CO SUPERVISION, INSU TOTAL REQUEST TOTAL REQUEST TOTAL REQUEST (RO	(123-10) g Pumps th JILDING (123-15) ITIES: uction Features tions and Fire Alarm Sys nts and Demolition gid and Flexible chase %) DST PECTION AND OVERHEA	00 GA 000 GA stem AD (5.5% RIATIONS		150,000 125,000 600,000 50,000 12,500 70 1,200 61,500 6,000 2,500	0.85 0.85 0.85 0.85 0.85 0.85 8.50 17.00 70.00 7.95 13.38 30.00	786 (128) (106) (510) (42) 133 (26) (106) (106) (106) (11) 84 873 (125) (94) (100) (489) (100) (489) (100) (489) (100) (489) (100) (125) (94) (100) (125) (94) (100) (125) (94) (100) (10)
10. Description	of Proposed Const	ruction:		1	1	!
concrete foundat protection, area access roads. Filling Station	el Storage Facility ions and pipe chase lighting, security with piping to fue	es, pipi y fencin 1 storag	ng, fire g, site e tanks,	e protecti improveme , fuel dis	on, cat ents and spensing	hodic paved pumps,
attendants booth connections and	refueling area, me , fire protection, site improvements. uilding with reinfo	area li	ghting,	communica	tions,	utility
steel framing, b air conditioning	uilding with reinfo uilt-up roof, inter , fire protection, utility connection	rior sup plumbin	port sys	stems (1.e	e.: heat	ing and

BICC ()



1. COMPONENT MARINE CORPS	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
3. INSTALLATION A	ND LOCATION	Level and the set of
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE	5. PR	OJECT NUMBER
VEHICLE READY	P-853	

VEHICLE READY FUEL STORAGE

Description of Proposed Construction: (cont'd): 10.

Demolition and site restoration of existing fuel storage and filling station facilities.

Air Conditioning: 3 Tons

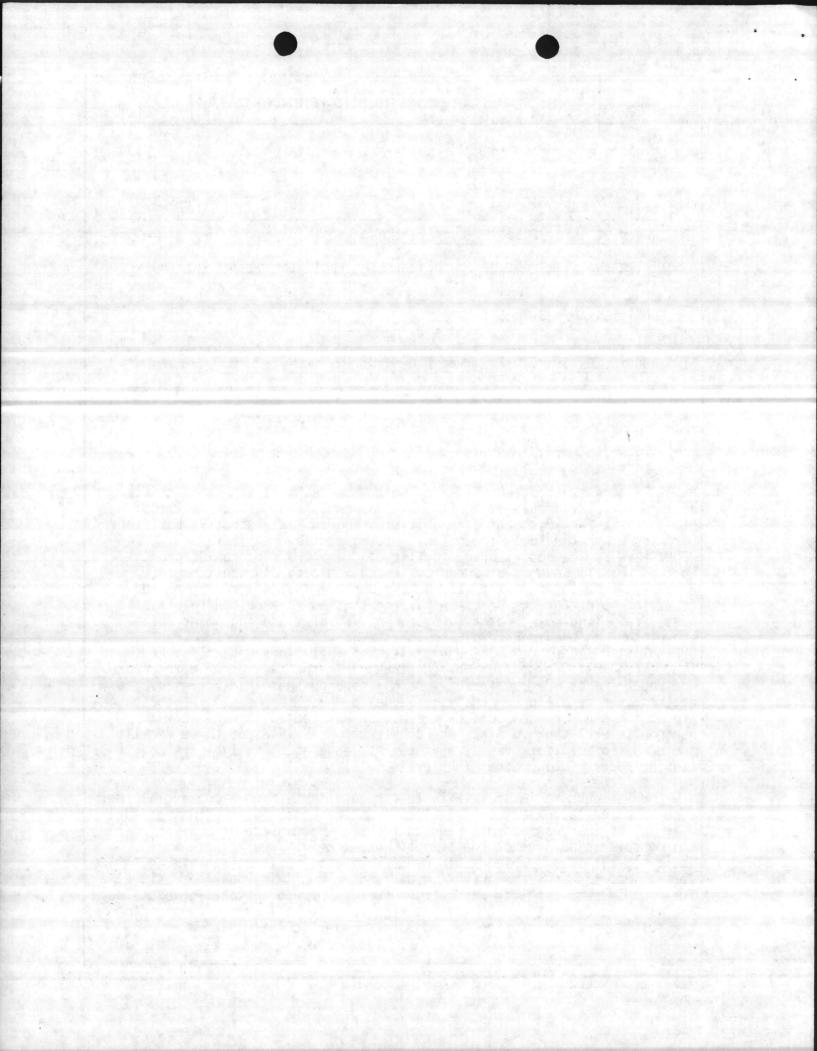
REQUIREMENTS: Π.

CAT CODE			ADEQUATI	E	SUBSTAND	ARD	
124-50	276,340	GA	0	GA	199,000	GA	
123-10	the second se	OL	23	OL	0		
123-15	1,200		0	SF	798	SF	
			Carrier and a second				

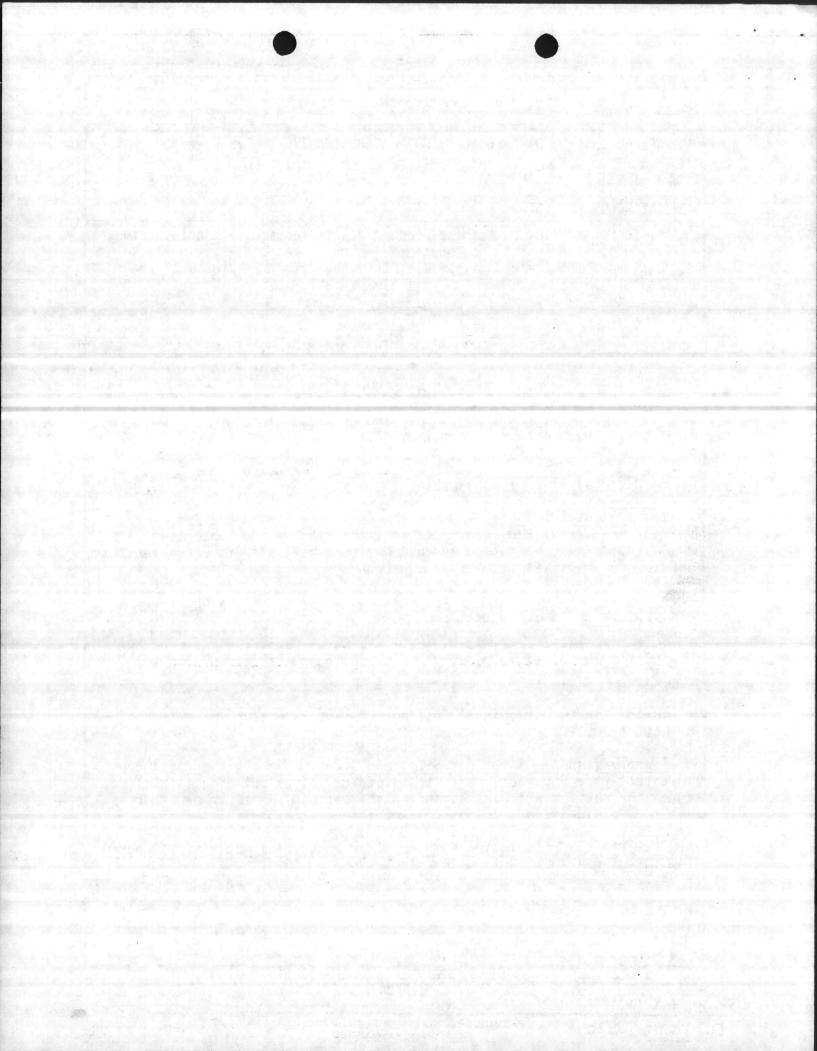
PROJECT: Construct a Vehicle Ready Fuel Storage Facility with a total storage capacity of 925,000 gallons. Project is to include a Filling Station with fuel dispensing capabilities and an administrative building for support of the fuel storage and filling station facilities. REQUIREMENT: The fuel storage facility is required for providing backup fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the central fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment which travel through the Industrial Area of the Base. CURRENT SITUATION: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and deemed it necessary to

abandon several tanks. Since the construction in 1943, of these facilities, the number of military vehicles at Camp Lejeune has greatly increased; thus causing yearly fuel consumption levels to climb.

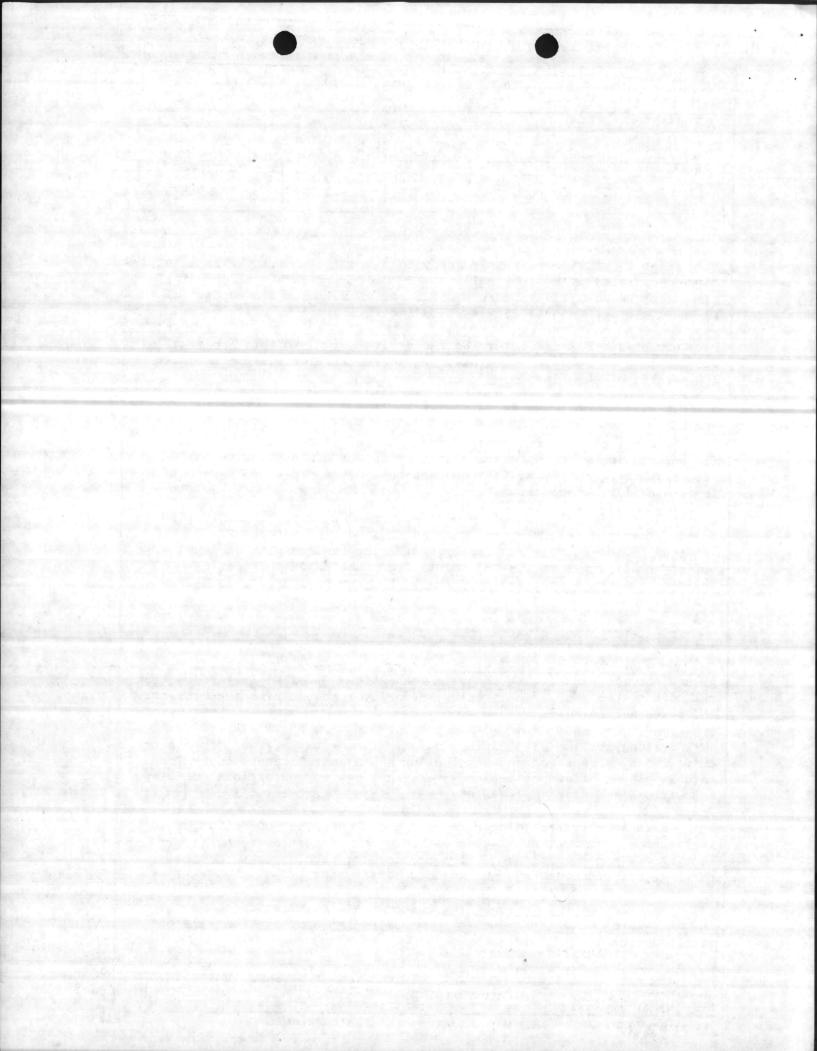
Camp Lejeune recieves all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel thirty-days in advance of the time of actual need. Due to potential emergency situations which would cause immediate mobilization of the Marine Corps, Camp Lejeune is required to have on hand a thirty-day operational fuel supply plus a thirty-day back up fuel supply for a total of sixty days fuel storage capacity. The fuel storage facility on Base is approaching the point where its mission can no longer be efficiently performed.



1. COMPONENT	and a stand of the second of the second of the	2. DATE
MARINE CORPS	FY 1990 MILITARY CONSTRUCTION PROJECT DATA	30 Sep 86
MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	T.S. AL
4. PROJECT TITLE	5. PRO.	ECT NUMBER
VEHICLE READ	Y FUEL STORAGE	P-853
utilized to	<u>T PROVIDED</u> : Maintenance and repair funds will cor maintain the inadequate fuel storage facilities. l storage capacity will impair the combat readines	The lack of
	SPECIAL CONSIDERATIONS	
1. <u>Pollutio</u> cause additio	n Prevention, Abatement, and Control: This projection of the second seco	ect will not
2. Flood Ha (Flood Hazar	zard Evaluation: Requirements of Executive Order ds) are not applicable.	r No. 11296
has been made	ental Impact: The project Environmental Impact A e, reviewed, and where required, the design conce n to eliminating adverse environmental effects co irectives.	onts give
4. Fallout s	Shelter Construction: Fallout shelter protection in this project.	n is not
5. <u>Design fo</u> visions for p project.	or Accessibility of Physically Handicapped Person physically handicapped personnel are not required	nnel: Pro- d in this
6. <u>Use of A</u> WITH DOD 4270	ir Conditioning: Ceiling "U" factors will be mad	le to conform
not directly object, or se	tion of Historical Sites and Structures: This provide the second structures of the second structures of the second struct site, building setting which is listed in the National Register of Significant quality of American history.	structure.
8. <u>"New Star</u> (OMB Circular	rt" Criteria for Commercial or Industrial Activit A-76): Not applicable.	ties Program



MARINE CORPS		30 Sep 86.
MARINE CORPS BASE, CAMP LEJ	EUNE, NORTH CAROLINA 2	
. PROJECT TITLE		5. PROJECT NUMBER
TEHICLE READY FUEL STORAGE		. P-853
	FACILITY STUDY	mark in much
1. <u>Project</u> : Provide a Vet storage capacity of 925,000 dispensing capabilities and the fuel storage and fill:) gallons. Provide a d d an administrative but	filling station with fue ilding for support of
2. Current and Planned Fut The duration of need is inc 100 percent of the time.	ture Workload with Reg definite and the facil:	ard to this Project: ities will be utilized
3. Description of Proposed	d Construction:	
filling station with above, fuel dispensing pumps, uti- ing and utility connection	lity connections, pave s. s project replaces 792 and 600,000 GA in cat cilities, a filling stati -10) and filling stati	administrative building d access roads and park ,000 gallons (192,000 egory code 821-60) of ation with dispensing on administrative
c. Description of Wo	rk to be Done:	all and the second
(1) <u>Primary Faci</u> ground storage tanks, with cathodic protection, area and paved access roads.		piping, fire protectio
Filling station with pumps, paved access roads refueling area, fire prote connections and site impro	and refueling areaa, m ction, area lighting,	
Administrative buildi walls, steel framing, buil heating and air conditioni parking, site improvements	t-up roof, interior su ng, fire protection, p	lumbing, etc.), paved
(2) <u>Energy Cons</u> ing materials and orientat utilized.		cient equipment and bui conservation will be
(2) Callatanal	Equipment: See enclos	supo (1)



1. COMPONENT MARINE CORPS	30 SEP 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	5. PROJECT NUMBER
4. PROJECT TITLE VENTICLE READY FUEL STORAGE	. P-853

c. Description of Work to be Done: (continued)

(4) <u>Supporting Facilities</u>: Underground fuel storage tanks, with concrete foundations, piping, cathodic protection, fire protection, fuel dispensing pumps, utility connections, paved access roads and refueling areas, pollution abatement and site improvements. Facilities to be demolished by this project are as follows:

Bldg ∉	Date Const.	Туре	U/M	Use Cat Code	Condition
The second second	-	P	600,000 GA	821-60	*Adequate
S-1009	1943			124-50	
S-1023	1943	11	12,000 GA		
S-1024	1943	11	15,000 GA		11
S-1025	1943	- 11	12,000 GA	11	11
S-1026	1943	- 11	15,000 GA		11
S-1027	1943	===	15,000 GA		11
S-1028	1943		15,000 GA		н
S-1029	1943		15,000 GA		11
S-1029	1943	11	12,000 GA		11
S-1030	1943		15,000 GA		
S-1032	1943		12,000 GA	hi fullan in full i far	
S-1032	1943		12,000 GA		
s-1035	1943	11	12,000 GA	"	
S-1034	1943	**	15,000 GA		
	1943	11	15,000 GA		
S-1036	1942	P	798 SF		
1002		11	1 OL		
S-1037		11	132 SF		
S-1038		11	132 SF		
S-1039		п	36 SH		
S-1040			36 SI	730-12	
s_1056	1140				tion are ade

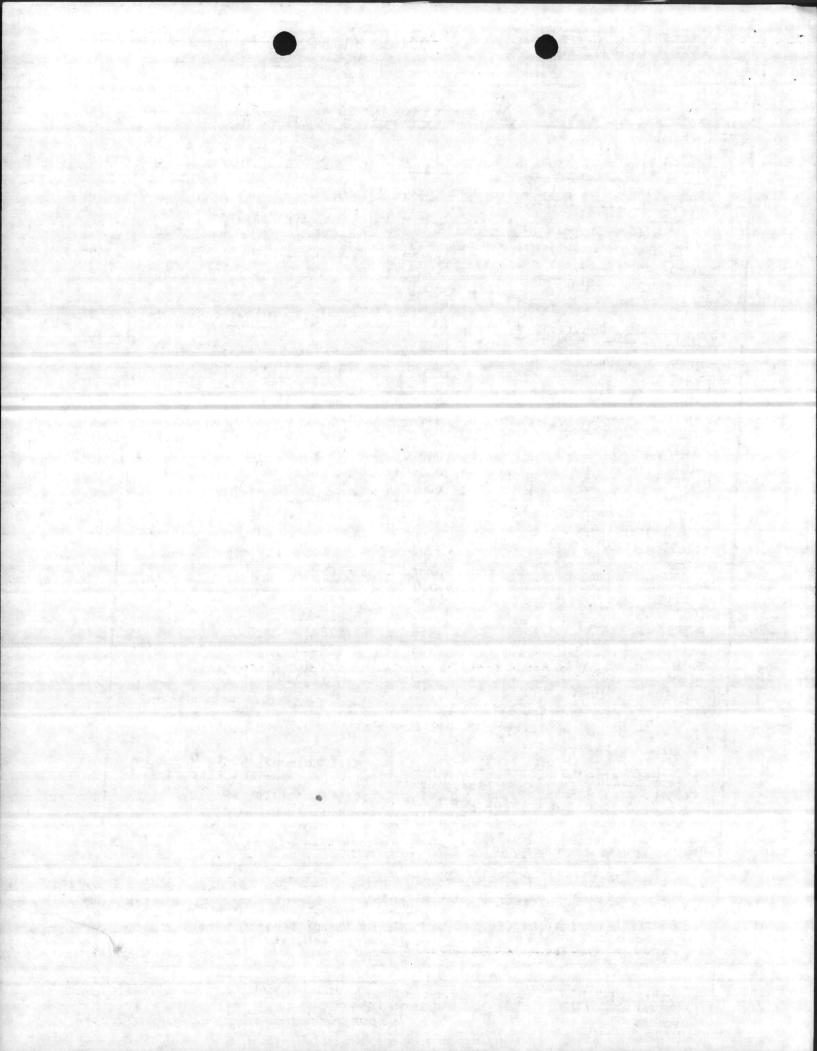
*The latest Form NAVMC 10651, indicates these facilities are adequate However, these facilities are badly deteriorated and are being redesignated as inadequate.

4. <u>Cost Estimate</u>: Area Cost Factor for Camp Lejeune, NC is 0.86. Cost data derived from 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 of Project:

(1) Construct a Fuel Storage facility with a total storage capacity of 925,000 gallons. Project is to include a Filling Station with fuel dispensing capabilities and an Administrative building for support of the Fuel Storage and Filling-Station facilities.



1. COMPONENT MARINE CORPS	FY 19_90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 30 Sep 86
3. INSTALLATION A	ND LOCATION ASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
		IECT NUMBER

VEHICLE READY FUEL STORAGE

P-853

5. Justification for Project and for Scope of Project: (continued)

(2) <u>Requirement</u>: The fuel storage facility is required to provide back up fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment traveling through the Industrial Area of the Base.

(3) <u>Current Situation</u>: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and it was deemed necessary to abandon several tanks.

Since the construction (1943) of these facilities, the number of military vehicles at Camp Lejeune has greatly increased, thus causing yearly fuel consumption levels to soar.

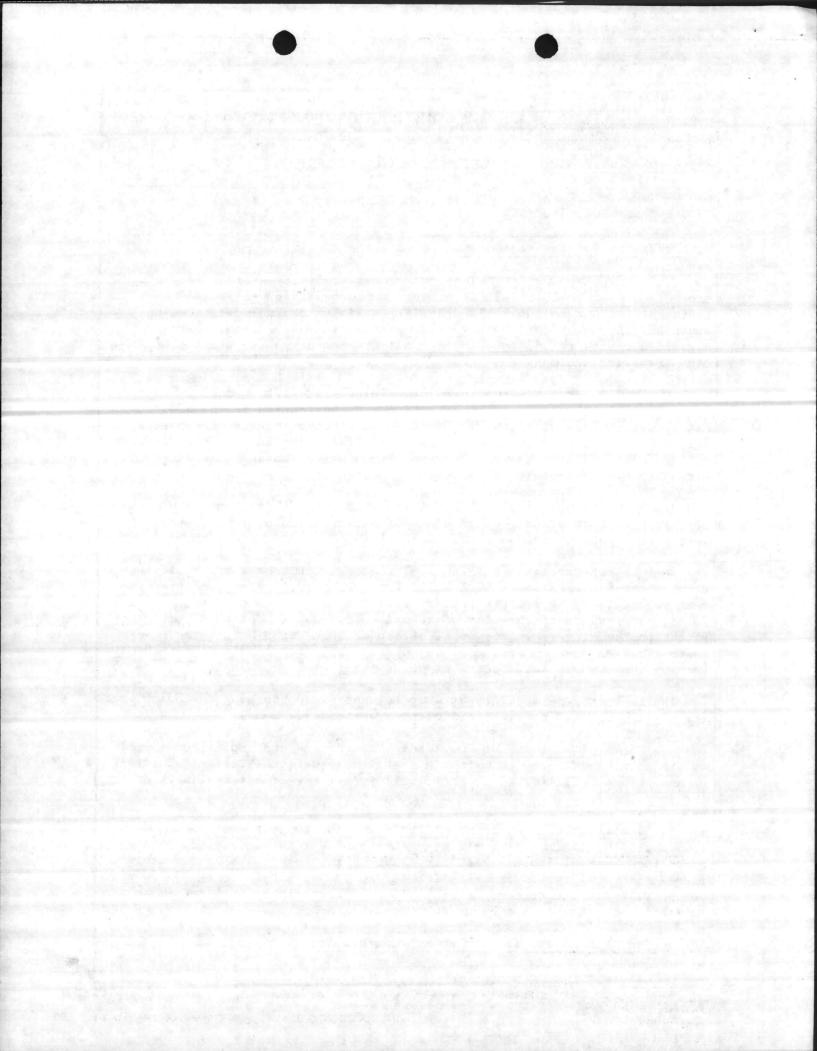
Camp Lejeune receives all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel 30 days in advance of the time of actual need. Due to potential emergency situations causing immediate mobilization of the Marine Corps, the Base is required to have on hand a 30 day operational fuel supply plus a 30 day back up fuel supply for a total of 60 day fuel storage capacity.

The fuel storage facility at Camp Lejeune is approaching the point where its mission can no longer be efficiently performed.

(4) <u>Impact If Not Provided</u>: Maintenance and repair funds will continue to be utilized to maintain these inadequate facilities. The lack of acceptable fuel storage capacity will impair the combat readiness of the Base.

b. Justification for Scope of Project: The project scope, 925,000 gallons, is the minimum size facility that can meet the deficiency requirements for the Fuel Storage Facility needs of the Base. The latest certified Basic Facility Requirement, for category codes 124-50 and 123-15, no longer reflects the true needs of the Base. Accordingly, revised Basic Facility Requirements are being submitted for approval.

6. - Equipment Provided from Other Appropriations: Not applicable.

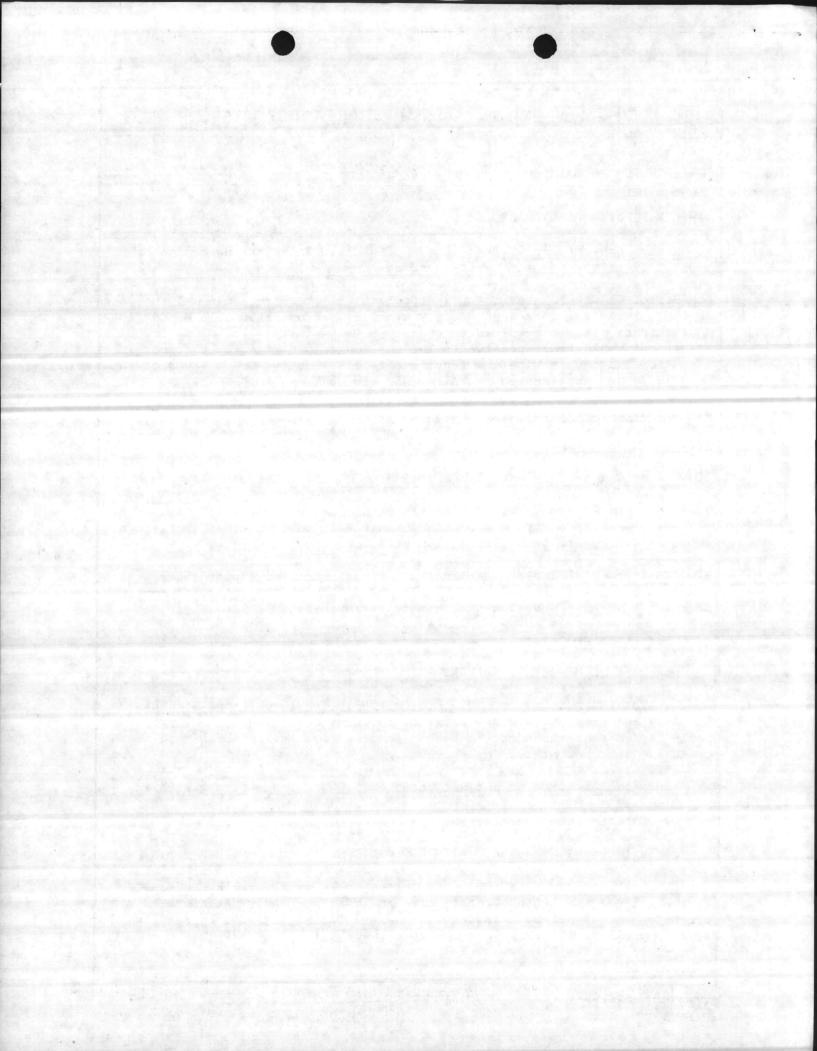


. COMPONENT			2. DATE
ARINE CORPS		DATA	30 Sep 86
INSTALLATION	IND LOCATION	e obagi	
MARINE CORPS	BASE, CAMP LEJEUNE, NC 28542		
PROJECT TITLE		5. PROJ	ECT NUMBER
VEHICLE READ	Y FUEL STORAGE	P-8	353
	upport Facilities: Not applicable. There lities available at the Base.	are no	common
in O&MMC fun al personnel struction sh situation an July 1977, a 9. Siting o	n Other Resources: The project will requir ds for increased utility services and opera will be required to operate this facility. ould be responsive to the challenges preser d comply with the requirements of Executive nd implemented by NAVFACINST 4100.5A. <u>f the Project</u> : These facilities will be lo in keeping with the Camp Lejeune Master Pla	ations. Proponted by Order	No addition- sed con- the energy 12003 of 20 n the Hadnot
(2).			
10. Other G	raphic Presentations, including Photographs	See e	encl. (3).
partially de sumption sav 12. Environ (EIA) is bei	c Analysis: These facilities are being conveloped site. Economic savings will be in ings to be realized from efficient operation mental Impact Assessment: An Environmental ng written and will be processed through the dverse environmental impact is anticipated.	nominal ons. Impact ne local	energy con-
13. Quantit	ative Data:		1995 6.1
a. Unit	of Measure: GALLONS		
Facility Req reflects the	1 Requirement: *925,000 GALLONS. The late uirement (276,340 SF), for category code 12 true needs of the Base. Accordingly, revi ing submitted for approval.	4-50, n	o longer
*For jus	tification of project scope (925,000 GA) se	e para	5.b.(3).
c. Exis	ting Substandard: 0		
d. Exis	ting Inadequate: *792,000 GALLONS		
	est Form NAVMC 10651 indicates these facili se facilities (constructed in 1943) are bad designated as inadequate. These facilities ect. (600,000 GA in category code 821-60 an	lly dete will b	riorated and e demolished

S/N 0102-LF-001-3915

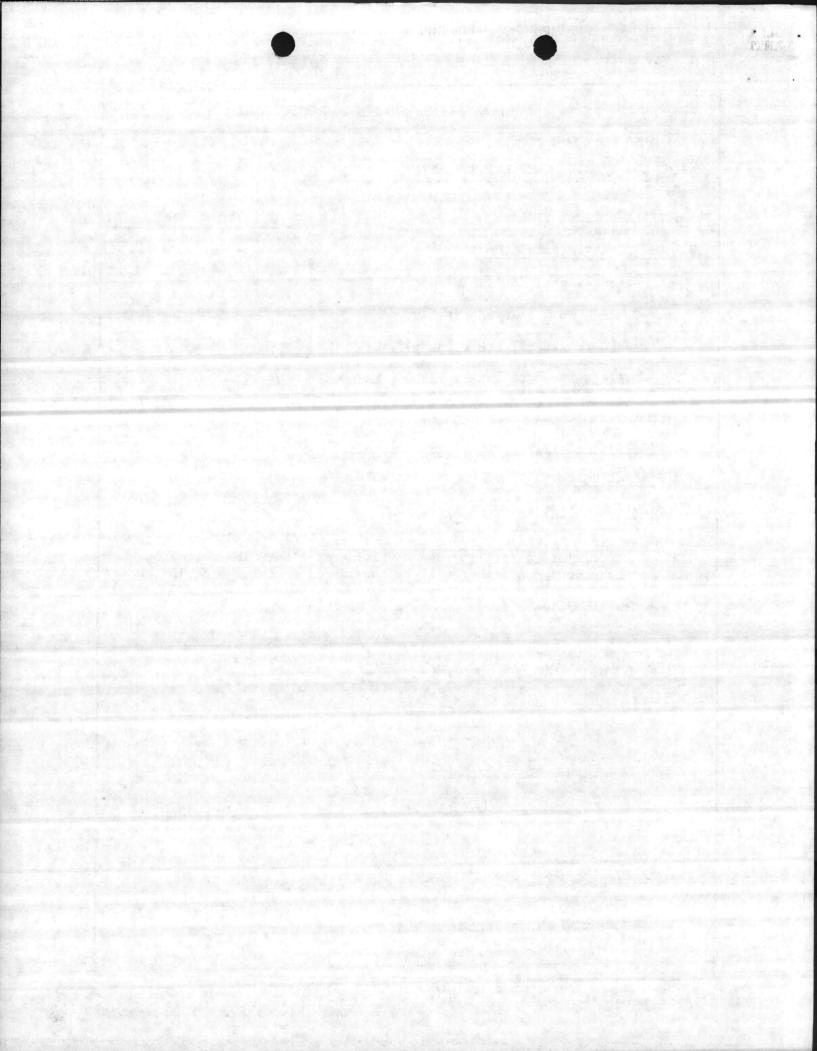
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1. COMPONENT	2. DATE
MARINE CORPS FY 19MILITARY CONSTRUCTION PROJECT DATA	and a stand of the
3. INSTALLATION AND LOCATION	Sugar Street in
MARINE CORPS BASE, CAMP LEJEUNE, NC	
4. PROJECT TITLE 5. PRO	OJECT NUMBER
VEHICLE READY FUEL STORAGE	P-853
13. Quantitative Data: (cont'd)	4
f. Other Assets, Not in Inventory: 0	
I. Utiler Abbets, Not In Inventory.	
g. Funded, Not in Inventory: 0	
h. Adequate Assets: $(e + F + g) = 0$	
i. Deficiency: (b - h) = 925,000 GALLONS	
14. Maintenance Facility: Not applicable.	
15. Morale, Welfare and Recreation Facilities: Not applica	able.
16. Relocation Facilities: Not applicable.	
17. Storage Facilities: Not applicable.	
18. <u>Hazard Identification</u> , <u>Assessment and Analysis</u> : Propose will be a fuel storage facility and a filling station. The potential hazardous conditions will be considered during the	following
a. Gasoline/Diesel Fumes	

b. Fire



. COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 V.11/81)

1. ACTIVITY (Name and Location) MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE

VEHICLE READY FUEL STO	VEHICLE READY FUEL STORAGE (FY-90)					
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL	
1. Built In Eqpt to be MCON Funded:	*Air Conditioning, Heating & ventilating systems		sys			
	*Plumbing systems and Steam system (interior)		sys			
	*Sprinkler System		sys		<u>AX 1</u> 2.31	
	*Telephone, Fire Alarm & intercom systems		sys			
No. Maker Sector	*Drinking water coolers		ea			
	*Blinds, venetian, light tight and window screens		pr			
	*Public address system		sys			
*Equipment with as	ssociated installation cost.					
2. Expense Items:		1999 - A. A.				
7110-00-149-1630	Desk, flat top, dbl ped	8	ea	234.23	1,874	
7110-00-149-1628	Desk, single ped	2	ea	180.09	36Ø	
7110-00-149-1653	Chair, rotary w/arms	10	ea	82.00	820	
7110-00-958-8044	Chair, secretarial rotary	8	ea	64.60	517	
7110-00-497-2012	Filing cabinet, 5 dwr, legal size, parchment	8	ea	146.20	1,170	
7125-00-764-6129	Cabinet, storage, dbl.dr.	2	ea	132.78	266	
7110-00-149-1659	Credenza	2	ea	340.39	681	
7110-00-113-0816	Table, gen'l purpose	2	ea	168.45	337	
7110-00-149-1653	Chair, office w/arms	10	ea	82.00	820	
7110-00-149-2075	Chair, side w/o arms	8	ea	71.05	568	
7110-00-149-1628	Desk, flat top, single ped	6	ea	180.09	1,081	
7110-01-016-6580	Attachment for above desk	6	ea	132.93	798	
		1 1	3		A CONTRACTOR	

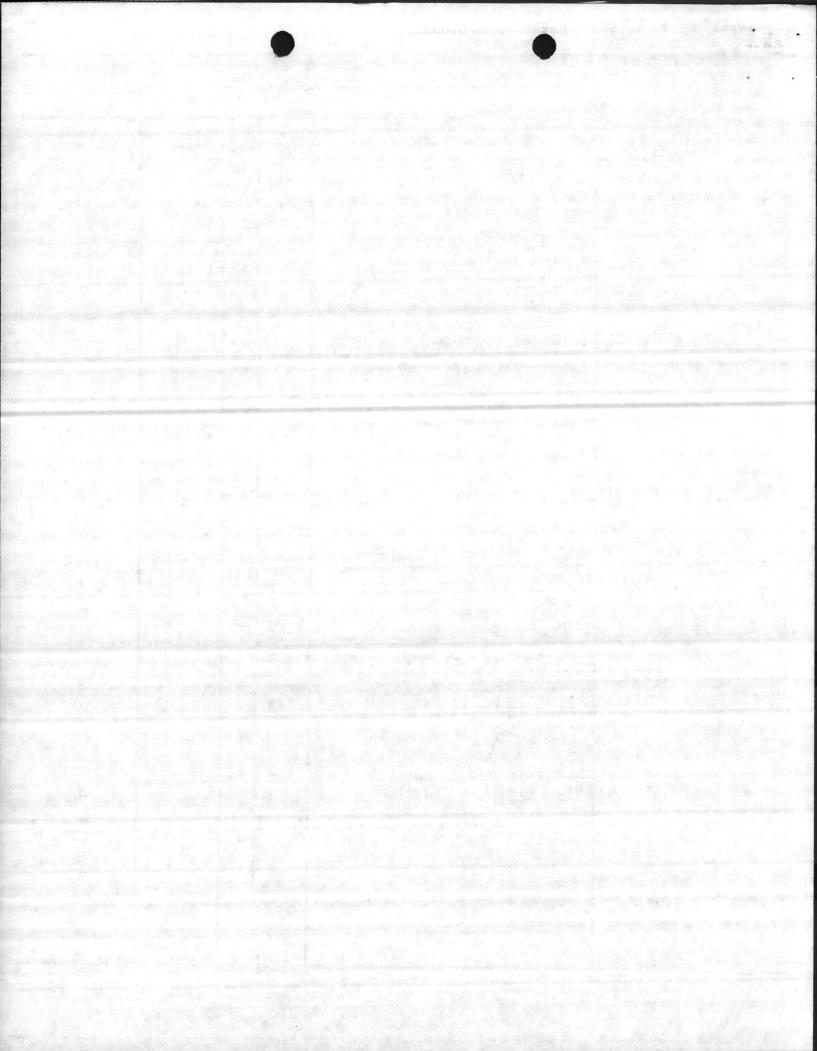
1 of 3 Page

Enclosure (1)

30 Sep 86

P. NO.

DATE



MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

VEHICLE READY FUEL STORAGE (FY-90)

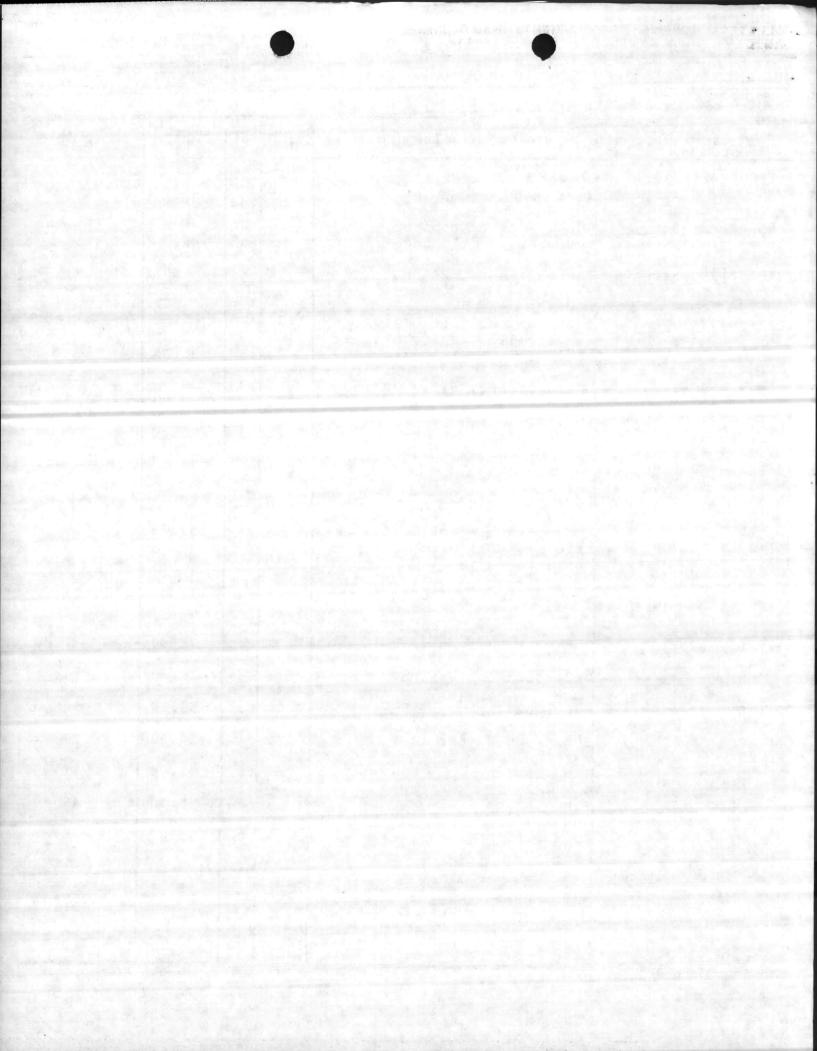
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL COST
7110-00-601-9822	Bookcase, 48"overall 2 adj shelves	8	ea	82.92	663
7195-00-004-6716	Rack, wearing apparel, con- temporary 6 mtl hangers	8	ea	49.39	395
7240-00-285-5416	Basket, waste, 24 guage steel	20	ea	2.85	57
4210-00-720-1815	Extinguisher, fire 2-1/2 gal air expelled water, Class A stainless steel	6	ea	25.98	156
4210-01-089-0875	Extinguisher, fire, 20 lb Halon	6	ea	90.00	540
6645-00-514-3523	Clock, wall	12	ea	8.20	98
7910-00-680-8296	Floor Polisher	1	ea	209.90	210
OP MONROE	Adding Machine	1	ea	400.00	400
OP IBM	Typewriter, electric, selec- tric II, dual pitch, correctable	3	ea	850.00	2,550
OP	Vacuum cleaner, upright	1	ea	127.00 (est)	127
OP (DUTY ROOM)	Bed Bunk, king size	1	ea	71.00	71
• · · · · · · · · · · · · · · · · · · ·	Bed, bunk conversion unit	1	ea	14.00	14
7210-00-139-6424	Mattress	1	ea	54.00	• 54
OP	Bedspread (2 per man)	2	ea	14.00	28
"	Lamp Table	1	ea	33.00	33
OP	Table, lamp	1	ea	45.00	45
	Tackboard	1	ea	35.00	35
	TOTAL EXPENSE ITEMS				14,768
					te stransfer an its

DATE 30 Sep 86

P. NO. P-853

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COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (0.11/81) _

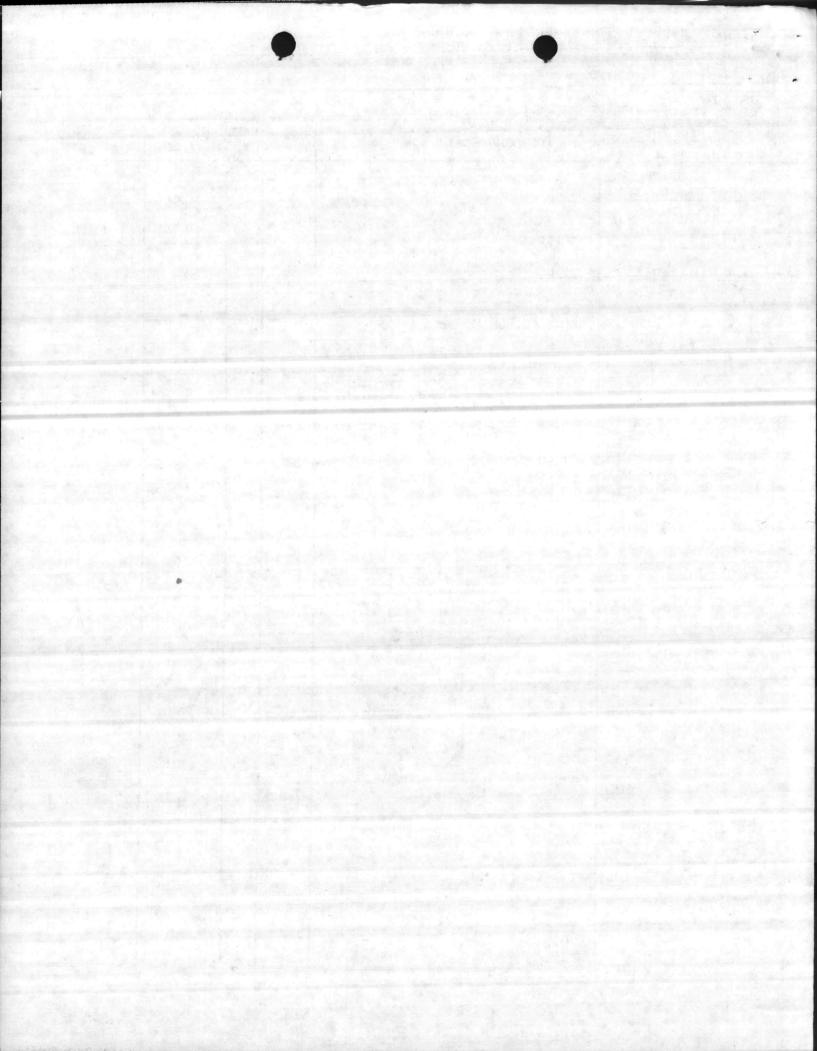
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

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PROJECT TITLE HICLE READY FUEL STORA	GE (FY-90)	Standing 1			р. NO. P-853
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT	TOTAL
Investment Items	None.				
	protection of the state of the				
APA Eqpt:	None.	-	1.2	140 Ten	
Training Eqpt.:	None				
	Estimated BOD December 1991				
				and and a second	
				2-14-3	
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	and and see a find a share				an a
					1.1.1
	States - Michael		100		1.34.00
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and the second		Section of the sectio	1	185 mar 18	1

30 Sep 86

DATE



BFRL ITEM DETERMINATION OTEE NAVMC 10915 (11-72) SN: 0000-006-4680

DATE PREPARED:

FROM: COMMANDING GENERAL, MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

TO: COMMANDANT OF THE MARINE CORPS (CODE LEFF)

NOMENCLATURE	CATEGORY CODE	UNIT OF MEASURE		
VEHICLE BAY READY FUEL STORAGE	124-50	GALLONS		
DETERMINATION OF REQUIREMENTS: (If additional space is needed, use plain sh	eet of paper)	SPECIFIC AREA		

1. NAVFAC P-80 states that the size and number of fuel storage tanks will depend on the station's mission and the number of vehicles maintained. Also, the quantity of fuel stored at a fuel facility will depend on the service required of the facility. Therefore, past records would best indicate the rate of consumption and accordingly the storage requirements. The fuel storage requirement is:

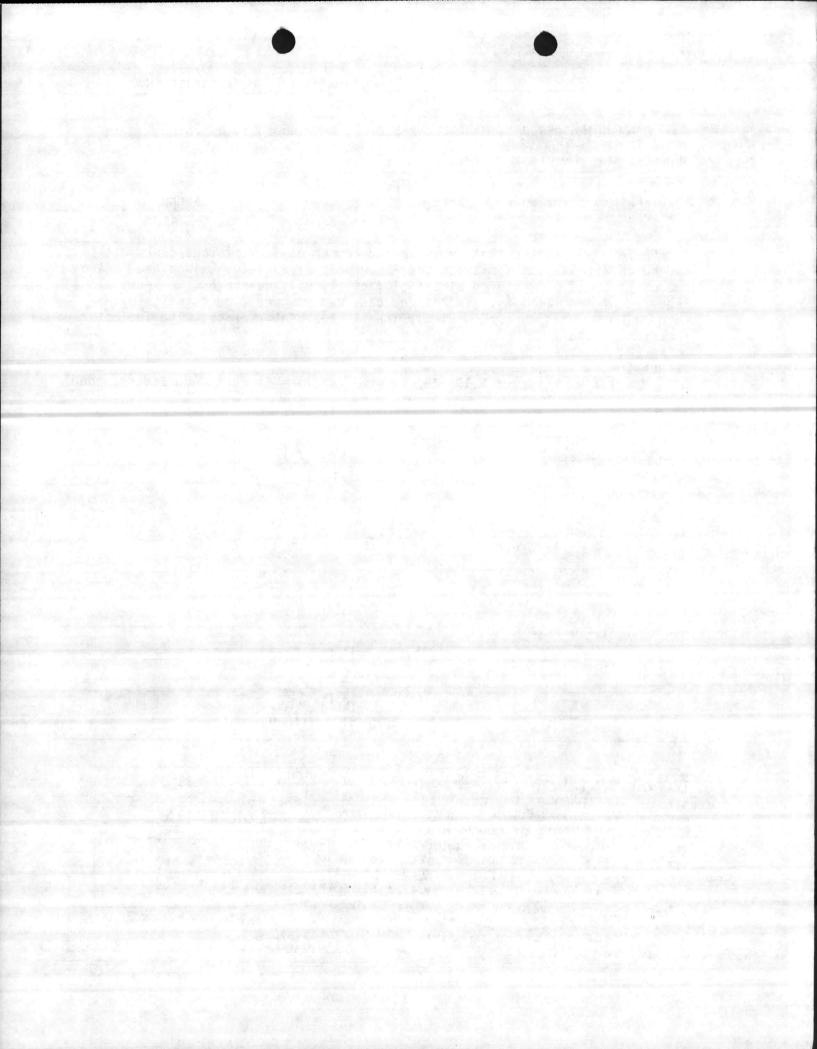
YEARLY CONSUMPTION:

365 (days) X 60 (days) X 1.15 (15% growth factor) = Storage Required (rounded)

TYPES OF FUEL	YEARLY CONSUMPTION (FY-84)
Regular Gasoline	770,802 Gallons
Unleaded Gasoline	642,220 Gallons
Diesel	2,402,584 Gallons
Kerosene	246,950 Gallons

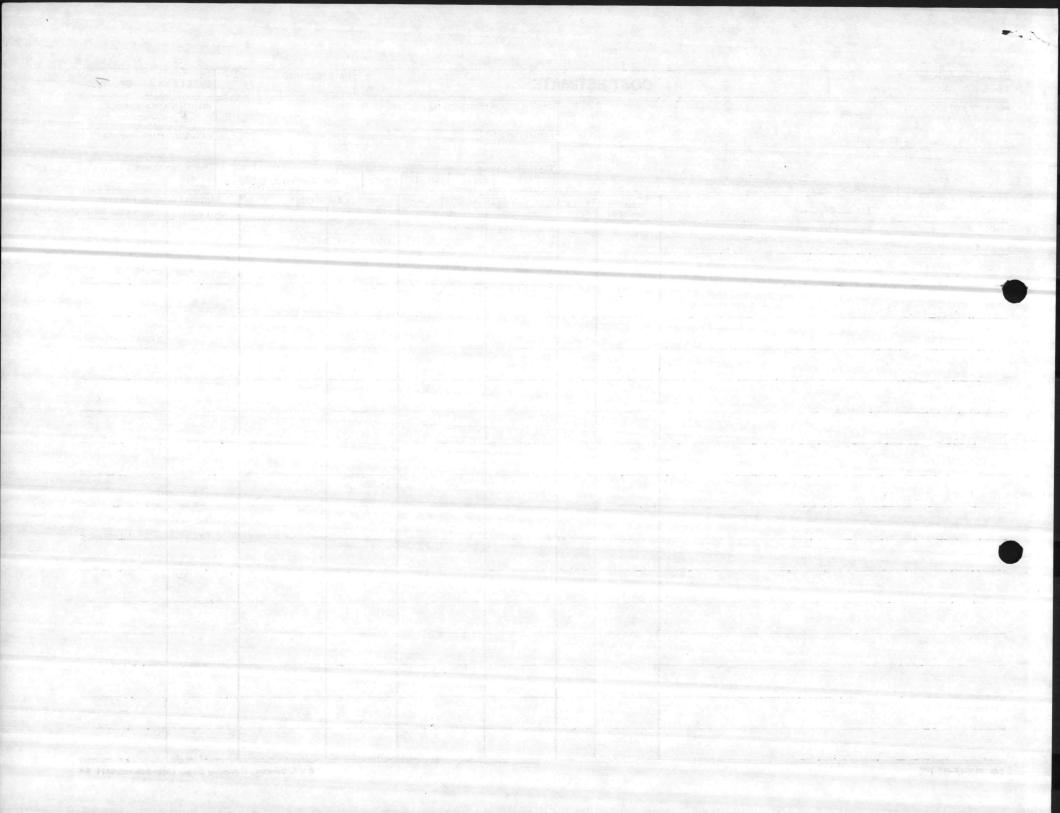
TOTAL REQUIREMENT FOR CATEGORY CODE
925,000 Gallons
MOBILIZATION STATEMENT
By direction
CMC REVIEW ACTION
This cat code is for immediate back up fuel for 04 NOV 1985
Which and Pauloment and does not (DUTAIN) that ESTABLISHED RECURREMENT
loved under 173-10 Filling Station P-80 allows 1 128 ADD GA
for 10 days storal for convs bases. A 15% monote
was allowed based on new equipment listed in
the 1985 FSR. No additional storage for diesel
fuel is needed because the new diesel powered
equipment replaces gasoline powered Equipments
allowing for a decrease in the galoning for only of AS CORRECTED
Ordering fuel wery 8-10 days accoust of only of
fuel is needed bicause the new desit powered equipment equipment replaces gasoline powered equipment allowing for a decrease in the gasoline storage regnit. Ordering fuel every 8-10 days allows for only a AS CORRECTED 10 day storage regnit. Facilities are only William
planned for Pre M'day. SIGNATURE LANNOUTINE
A1222

1 of 2



NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST ESTIN		ATE DATE PREPARED			SHEET	SHEET OF Z			
ACTIVITY AND LOCATION MARINE CORPS BASE			CONSTRUCTION CONTRACT NO.					IDENTIFICATION NUMBER		
CAMP LEJEINE N.C.			ESTIMATED BY	Paur	-		CATEGORY	CODE NUMBER		
PROJECT TITLE			STATUS OF DESIG	BRAN		P	IOB OBDE	Z450		
VEHICLE READY FUEL STORAGE				100%		ther (Specify) Roj				
ITEM DESCRIPTION	QUANT NUMBER	UNIT	MATER UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT INEER	NG ESTIMATE TOTAL		
VEHICLE READY FUEL STORAGE :		1.20				-	DET			
GASOLINE STORAGE (REGULAR)	24000	GA		a de la composition d			\$0.90	21,600		
GASSOLINE STORDERE (UNLEADED)	30000	GA			100		0.90	27,000		
PIBEL FUEL STORAGE	90000	GA					0.90	81,000		
KEROSENE STORAGE	10000	GA				1000	0.90	9,000		
FILLING STOTION :		10.1.0						<u> </u>		
FLEL DISPENSING RIMPS (DOUBLE)	10	OL	a lagran tanah			and the second second	5,000	50,000		
LINDERGROUND STORAGE TANK (50000)	4	EA					15,000	(a0,000 200,		
METAL CANOPY	12,500	SF				-	8.85	110,000		
ATTENDANTS BOOTH	70	SF		10		1.4	17.65	1,235		
TRUCK FILL STAND	4	OL					10,000	40,000		
ADMIN. BUILDING	1200	SF	16, 13				70,00	<u>84,000</u>		
SUPPORTING FACILITIES	1.1		a Server	ing a salahi Marina			Sec. Sec.			
WATER	676	LF					22.20	15000		
SEWER STORM DRAWNAGE	595	LF					45.31	27,000		
STEAM	150	LF	1985 - M			a the same of	90.00	13,500		
ELECTRICITY	295	LF				1.2.2.2.2	144.06	42500		

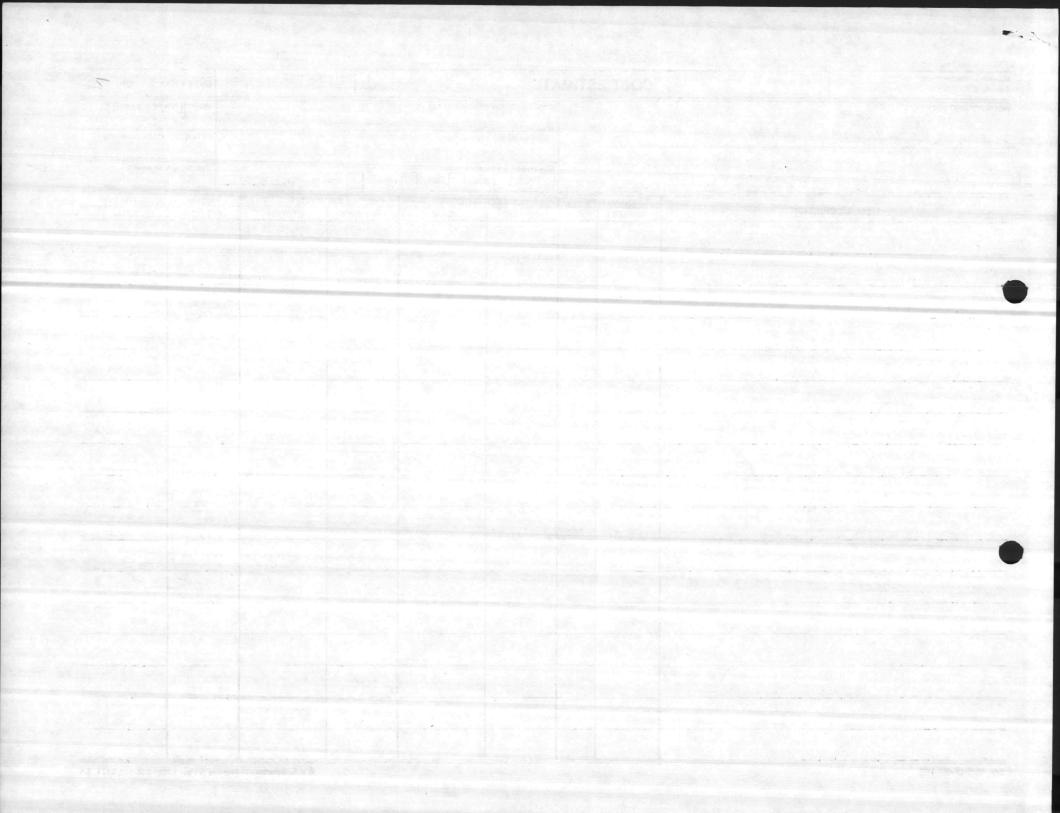
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NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST ESTIMATE				DATE PREPARED				
ACTIVITY AND LOCATION MARINE CORPS BASE CAMP LEJELNE NC.		CONSTRUCTION ESTIMATED BY	CONTRACT NO.			P-			
PROJECT TITLE				BRAN	Т	1 Common)-	24.50	
VEHICLE READY FUEL STORAGE			STATUS OF DESI	GN 30% 100%	FINAL Oth	er (Specify) RojEc	JOB ORDE	RNUMBER	
ITEM DESCRIPTION			MATE UNIT COST	RIAL COST	LABO UNIT COST	DR COST TOTAL	ENGINEER UNIT COST	ING ESTIMATE	
VEHICLE READY FUEL STORAGE :									
GASOLINE STORAGE (REGULAR)	24000	GA					0.90	21,600	
GASSOLINE STORDERE (UNLEADED)	30000	GA					0,90	27,000	
PIBEL FUEL STORAGE	90000	GA	Sec. 1				0.90	81,000	
KEROSENE STORAGE	10000	GA					0.90	9,000	
FILLING STATION :			and the second		a stati				
FUEL DISPENSING RIMPS (DOUBLE)) 10	OL					5,000	50,000	
LINDERGROUND STORAGE TANK GOOD	w 4	EA	ter in the second				15,000	60,000 200	
METAL CANOPY	12,500	SF					8.85	110,000	
ATTENDANTS BOOTH	70	SF					17.65	1,235	
TRUCK FILL STAND	4	OL					10,000	40,000	
ADMIN. BUILDING	1200	SF	1. 199. 2				70,00	84,000 B	
SLIPPORTING FACILITIES									
WATER	676	LF					22.20	15000	
SEWER STORM PLANAGE	595	LF					45.31	27,000	
STEAM	150	LF				0.11	90.00	13,500	
ELECTRICITY	295	LF					144.06	42500	

S/N 0105-LF-010-1335

A U.S. Government Printing Office: 1982-505-106/6911 2-1

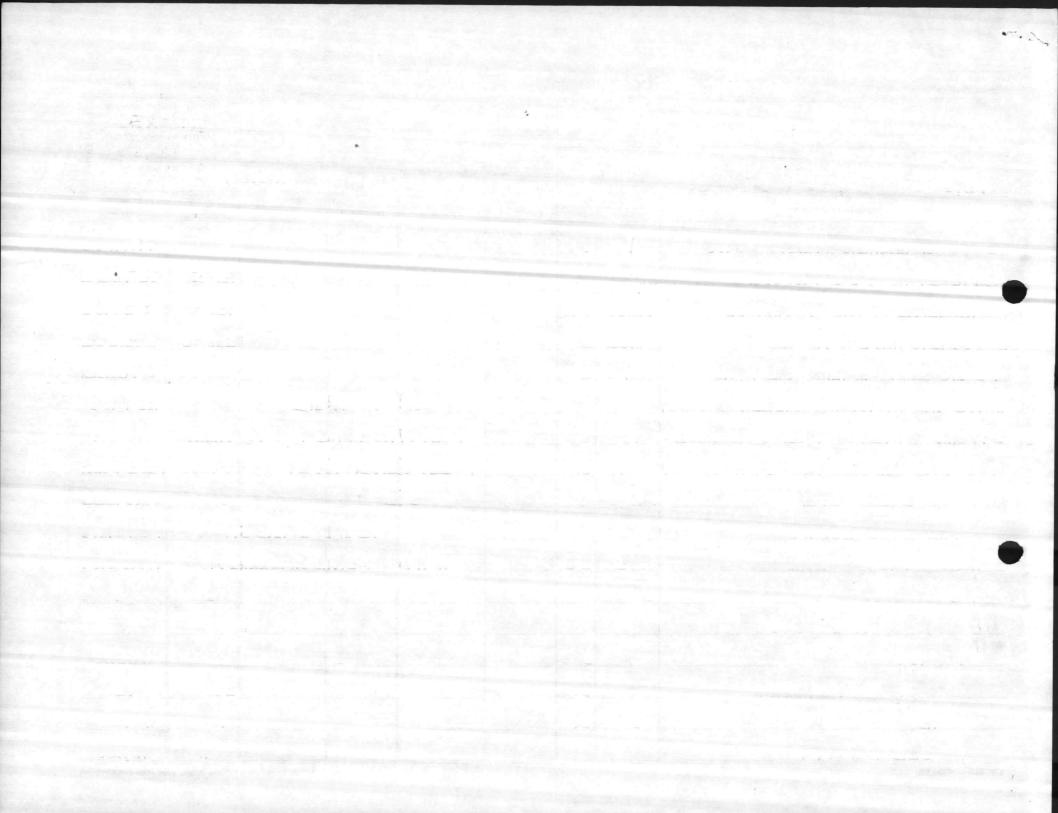


NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		COST E	STIM	ATE		DAT	E PREPARED	SHEET	OFZ
ACTIVITY AND LOCATION	cul.	1.02		CONSTRUCTION	CONTRACT NO.			P	ATION NUMBER
PROJECT TITLE			<u> </u>	ESTIMATED BY		•		CATEGOR	Y CODE NUMBER
Vehicle Ready	Fuel Storace			STATUS OF DESI	GN 30% 100%	FINAL Ot	her (Specify)	JOB ORDE	RNUMBER
ITEM DESC	CRIPTION	QUANT NUMBER		MATEI UNIT COST	TOTAL	LAE UNIT COST	OR COST TOTAL	ENGINEER UNIT COST	ING ESTIMATE TOTAL
COMMUNICATIONS &	FIRE ALARM	1	LS			L. Marine		and density of	11,000
SITE IMPROVEMENTS		61,500	SY	an a		an a	and in the	8.25	507,300
FRIENTES: RIGIT	FEXIBLE	6,000	51	1.				13.90	83,400
CONCRETE PIPE C	HASE	2,500	LF			1		31.20	78,000
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1. COMPONENT NAVY	FY	90 MILITARY CO	NSTRUC	TION P		IECT DAT	A 3 N	ISED ov 86
3. INSTALLATION MARINE CORPS CAMP LEJEUNE	BASE		Stand In	4. PROJE		EADY FUE	L STORA	GE
5. PROGRAM ELEN		6. CATEGORY CODE 124-50	7. PROJEC		R		ст соsт (s ,500	:000)
e e construction de la construction de la construcción de la construcción de la construcción de la construcción		9. CO	ST ESTIMAT	ES				
		ITEM	and a second	' טו	M	DUANTITY	UNIT COST	COST (\$000)
Gasolir Gasolir Diesel Keroser FILLING S Fuel Di Undergr Metal C Attenda Truck H ADMINIST SUPPORTIN Utility Commun Site In Pavemen Concre Special SUBTOTAL Contine TOTAL CON SIOH 5 TOTAL REC	e Sto Fuel Fuel STATIO Spens cound Canopy ants H Fill S ATION G FAC Const Const Const Const UEST DUEST F PRO	DN: (123-10) sing Pumps Storage Tank (Booth Stand N BUILDING (123 CILITIES nections ons & Fire Alar ements & Demoli Rigid & Flexibl pe Chase ruction Features 5%	5000 G -15) m Sys tion e R APPR	G G G G G G G G G G C S S C S S C S C S	AAAAASLAAFFLFSSSSYYFS_	12,500 70 3 1,200 - 61,500 6,000 2,500 -	Ø.90 Ø.90 Ø.90 15K 8.85 17.65 10K 70.00 - - - 8.25 13.90 31.20	(21.8) (18.2) (68.1) (7.0) 228.2 (27.0) (60.0) (110.0) (1.2) (30.0) 84.0 927.7 (98.0) (11.0) (507.3) (83.4)
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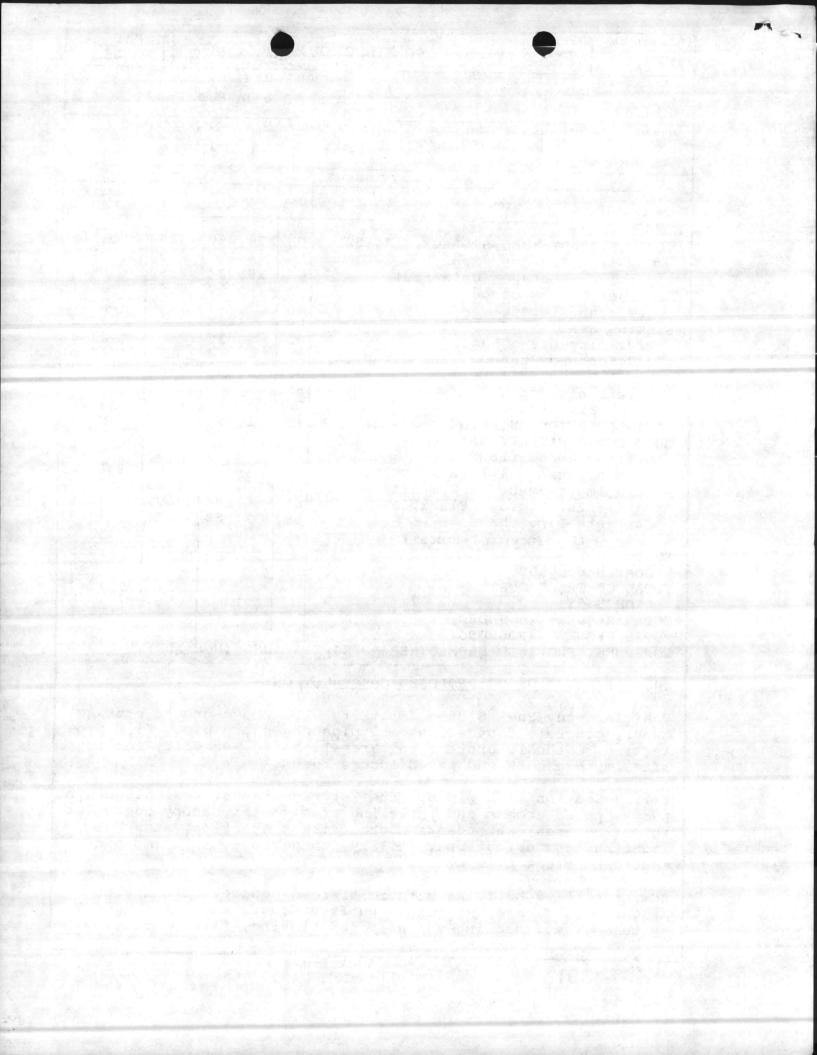
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1. COMPONENT NAVY	FY 19 90 MILITARY CONSTRUCTION PROJECT DA	TA REVISED 3 Nov 86
3. INSTALLATION A	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE VEHICLE READ	y fuel storage	PROJECT NUMBER

plumbing, etc.); paved parking, site improvements and utility connections.

Demolition and site restoration of existing fuel storage and filling station facilities.

Air Conditioning: 3 tons

11. REOUIREMENT:

Cat	Code		Adequ	late	Substanda	ard	
124-50	128,000	GA	ø	GA	199,000	GA	
123-10	. 56		23	OL	Ø	OL	
123-15	1,200	SF	Ø	SF	798	SF	

<u>PROJECT</u>: Construct a Vehicle Ready Fuel Storage Facility with a total storage capacity of 128,000 gallons. Project is to include a filling station with fuel dispensing capabilities and an administratiave building for support of the fuel storage and filling station facilities.

<u>REQUIREMENT</u>: The fuel storage facility is required for providing back up fuel for more than 4,100 Government owned and leased vehicles at Camp Lejeune. The facility will be the central fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment which travel through the Industrial Area of the Base.

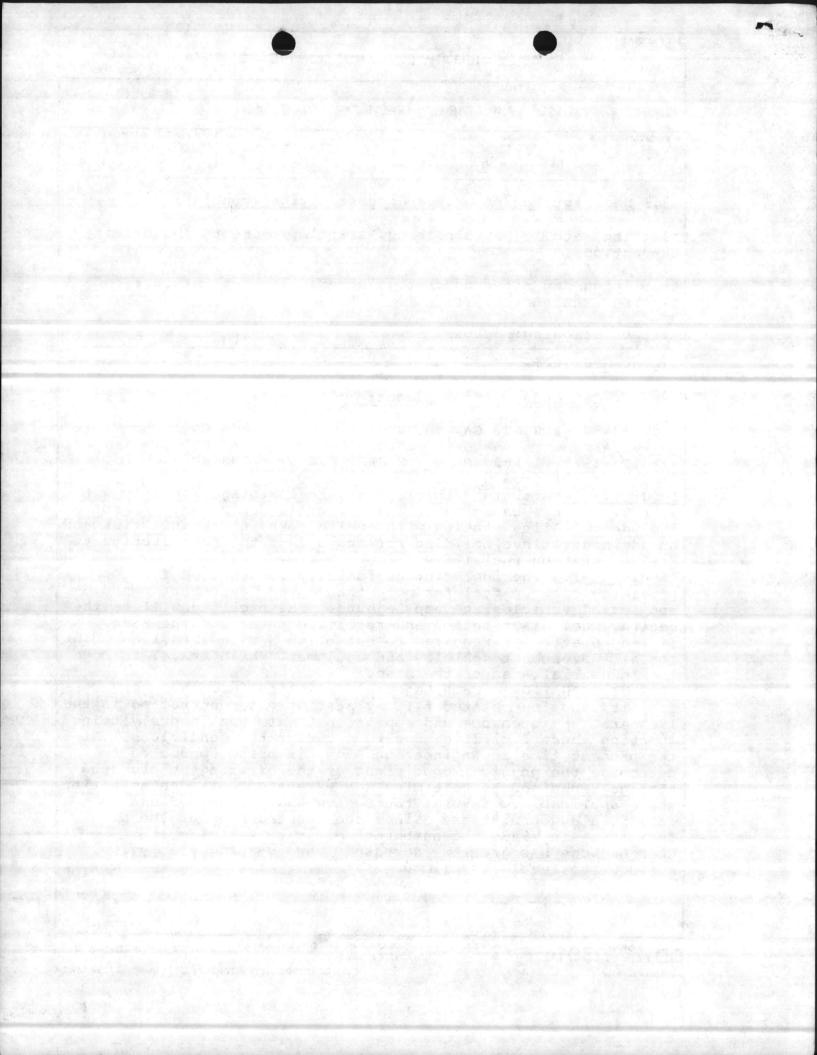
<u>CURRENT SITUATION</u>: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. At the present time an Engineering Study is being conducted to determine the physical conditions of the existing underground storage tanks and to determine the extent of soil contamination where applicable. Several tanks have been abandoned due to deteriorated conditions. Since the construction of these facilities in 1943, the number of military vehicles at Camp Lejeune has greatly increased; thus causing yearly fuel consumption levels to climb.

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

PAGE NO. 2 OF 3

: U.S. GOVERNMENT PRINTING OFFICE: 1978-703-173/34312-1



1. COMPONENT NAVY	FY 19 90 MILITARY CONSTRUCTION PROJECT DATA	2. DATE REVISED 3 Nov 198
3. INSTALLATION	AND LOCATION	

IMPACT IF NOT PROVIDED: Maintenance and repair funds will continue to be utilized to maintain the inadequate fuel storage facilities. The lack of adequate fuel storage capacity will impair the combat readiness of the Base.

SPECIAL CONSIDERATIONS

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 the facility.

5. <u>Design for Accessibility of Physically Handicapped</u> <u>Personnel:</u> Provisions for physically handicapped personnel are required in this facility.

6. Use of Air conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.

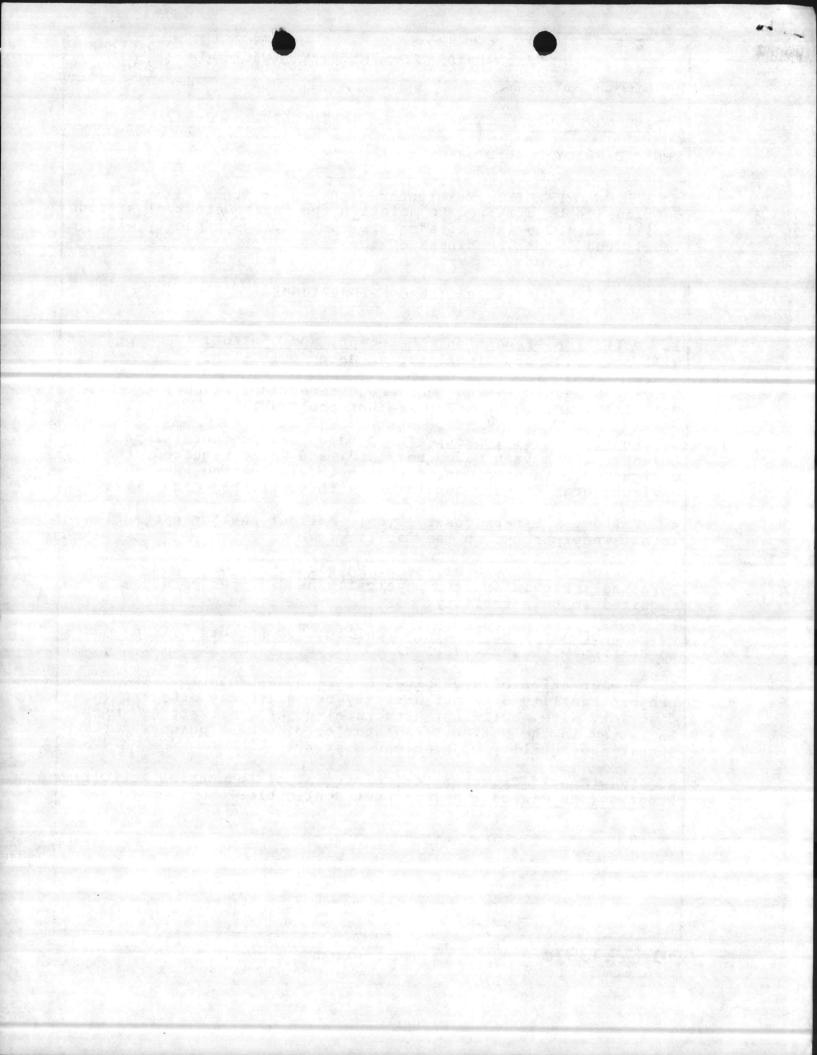
7. <u>Preservation of Historical Sites and Structures</u>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possess a significant quality of American History.

8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.

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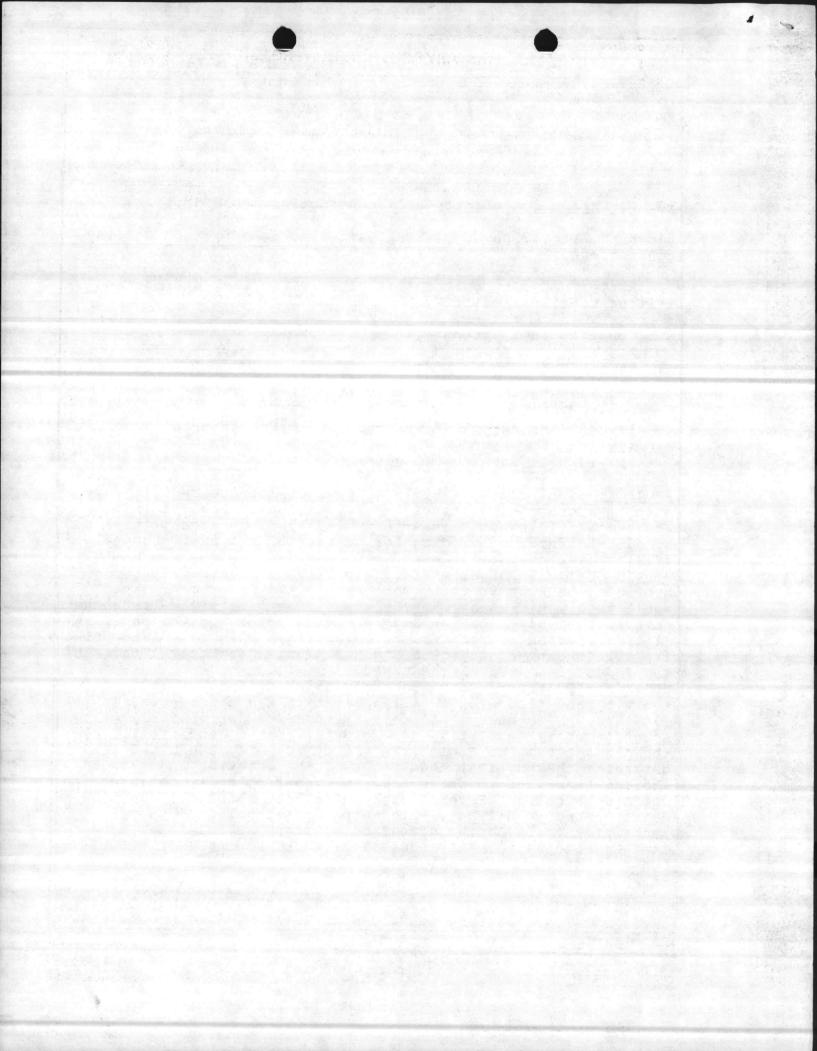
PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED PAGE NO. 3 Of 3

U.S. GOVERNMENT PRINTING OFFICE: 1978-703-173/34312-1



1. COMPONENT	FY 19 90 MILI	TARY CONSTRUCT	ION PROJECT DA	ATA	2 DATE REVISED
3. INSTALLATION	ANDLOCATION				3 Nov 86
- Andre Salaran I. Andre Salar		JEUNE, NORTH CAROI	LINA 28542		
4. PROJECT TITLE			1	5. PROJE	CT NUMBER
VEHICLE REAL	DY FUEL STORAGE			P-	853
10. Descr	iptiion of p	roposed constru	action (cont	'd):	
	etc.); paved	parking, site			utility
	and site re ation facili	storation of exties.	kisting fuel	stor	age and
Air Condit	ioning: 3 to	ns	ANTA CONTRACTOR		
11. REOUIF	REMENT:		-		
Ca	at Code	Adequate	Substanda	rd	
124-50	128,000 GA	Ø GA	199,000	GA	
123-10	56 OL 1,200 SF	23 OL	Ø 798		(hagia)
an adminis filling st <u>REQUIREMEN</u> providing and leased central fu filling st for all Go the Indust <u>CURRENT S</u> facility a 1943 era. spent on the presen determine storage ta where app deteriora facilities Camp Leje	stratiave bui tation facili <u>NT:</u> The fuel back up fuel d vehicles at uel distribut tation is required overnment veh trial Area of <u>ITUATION:</u> Ca and its relat Maintenance these facilit nt time an En the physical anks and to d licable. Sev ted condition s in 1943, th	storage facil for more than Camp Lejeune. ion and receiv uired to estab icles and equi the Base. mp Lejeune's e ed filling sta and repair fu ies due to det gineering Stud conditions of etermine the e real tanks hav s. Since the e number of mi	ort of the f ity is requi 4,100 Gover The facili ing point fo lish a main pment which xisting fuel tion was con nds are cont eriorated co y is being c the existin xtent of soi e been aband construction litary vehic	red nmen ty w r the refue trave sto strue ndit onduit onduit onduit eoned of eles	storage an for t owned ill be the e Base. A eling poin el through rage cted in th usly being ions. At cted to derground ntaminatic due to these at
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1. COMPONENT NAVY	FY 1	90 MILITARY CO	NSTRUC	TION F	RO	JECT DAT	A REVI	SED v 86
3. INSTALLATION MARINE CORPS CAMP LEJEUNE	BASE			4. PROJ VEHIC		TITLE READY FUE	L STORAC	Æ
5. PROGRAM ELEN	and the second se	6. CATEGORY CODE 124-50	7. PROJEC	т NUMB 853	ER	a principalitation	ст соsт (so 500	000)
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Gasolin	ne Sto	rage (Unleaded	3)		SA	20,234	0.90	(18.2
Diesel	Fuel	Storage			GA	75,700		(681
Kerosei					GA	7,780	0.90	(7.0 228.2
		N: (123-10)			S	10	and the last	(27.0
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		Storage Tank	(2000 0		SF	12,500		(110.0
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Attenda Truck					DL	3	10K	(30.0
		BUILDING (12)	3-15)	the second se	SF	1,200		84.0
SUPPORTI	NG FAC	TLITIES	· ,		LS	-	-	927.7
		nections		1	LS	-	-	(98.0
Commun	icatio	ons & Fire Ala	rm Sys	1	LS	-		(11.0
Site I	mprove	ements & Demol	ition	the second se	SY	61,500		
Paveme	nts: H	igid & Flexib	le		SY		13.90	
Concre	te Pip	be Chase			LF	2,500	31.20	
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tanks, c	oncret	te foundations	n. are	alig	h+i	ng, sec	urity	fencing.
tection,	Catho	ents and paved	acces	s roa	ds.			
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pumps, p	aved a	access and ref	ueling	area	, m	etal ca	nopy c	over ion
refuelin	g area	a, attendants	booth,	fire	pr	otectio	n, area	a
lighting	, com	nunications, u	tility	conn	ect	ions, s	ite imp	prove-
ments an	d tru	ck fill stand.						
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masonry	walls	. steel framin	g, bui	lt-up	ro	of, int	erior	support
systems	(i.e.	: heating and	air co	nditi	oni	ng, fir	e prot	ection,
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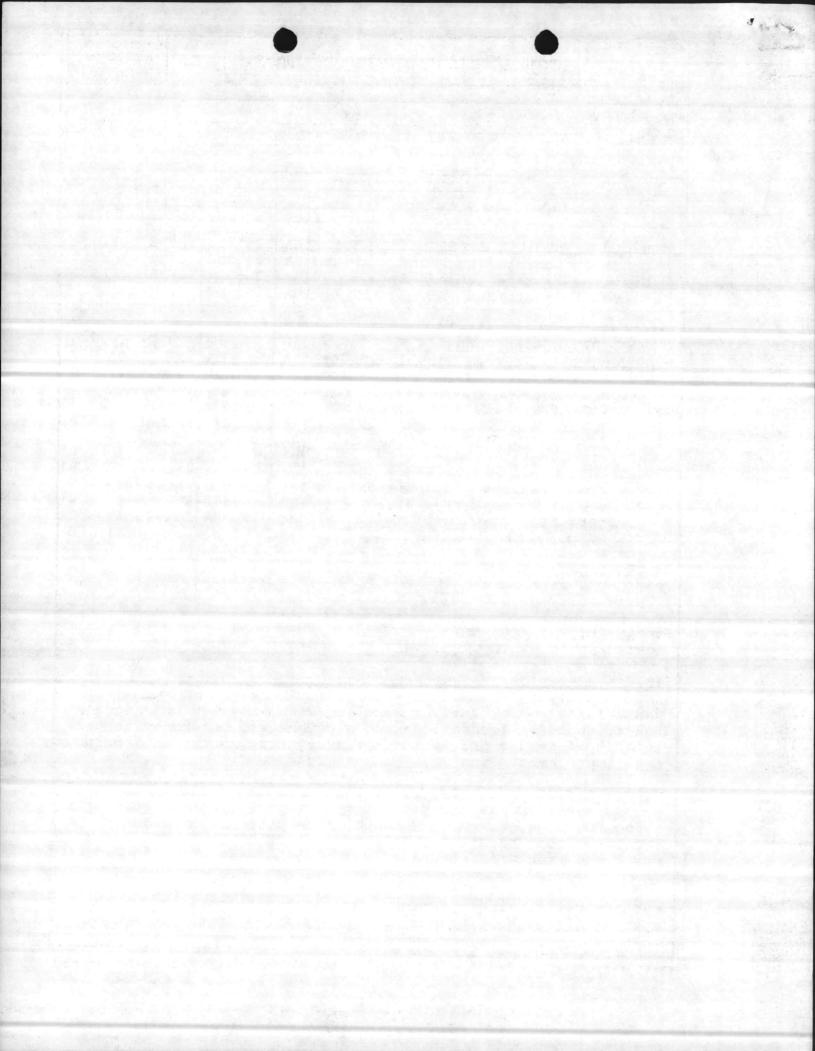
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1. COMPONEN NAVY	ιτ F	Y 19_9	MILIT	ARY CONST	RUCTION	N PROJECT D	АТА	2. DATE REVIS 3 Nov	
3. INSTALLA	TION AND	LOCATION	1		or the first	a state of the	n Me ⁿ a i	Sec. 1989	19
MARINE	CORPS	BASE,	CAMP	LEJEUNE,	NORTH	CAROLINA	28542	2	Sar
4. PROJECT T				Levels . Sec. 14.			5. PROJE	ECT NUMBER	1

VEHICLE READY FUEL STORAGE

P-853

IMPACT IF NOT PROVIDED: Maintenance and repair funds will continue to be utilized to maintain the inadequate fuel storage facilities. The lack of adequate fuel storage capacity will impair the combat readiness of the Base.

SPECIAL CONSIDERATIONS

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 the facility.

5. <u>Design for Accessibility of Physically Handicapped</u> <u>Personnel:</u> Provisions for physically handicapped personnel are required in this facility.

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>: The project facility does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possess a significant quality of American History.

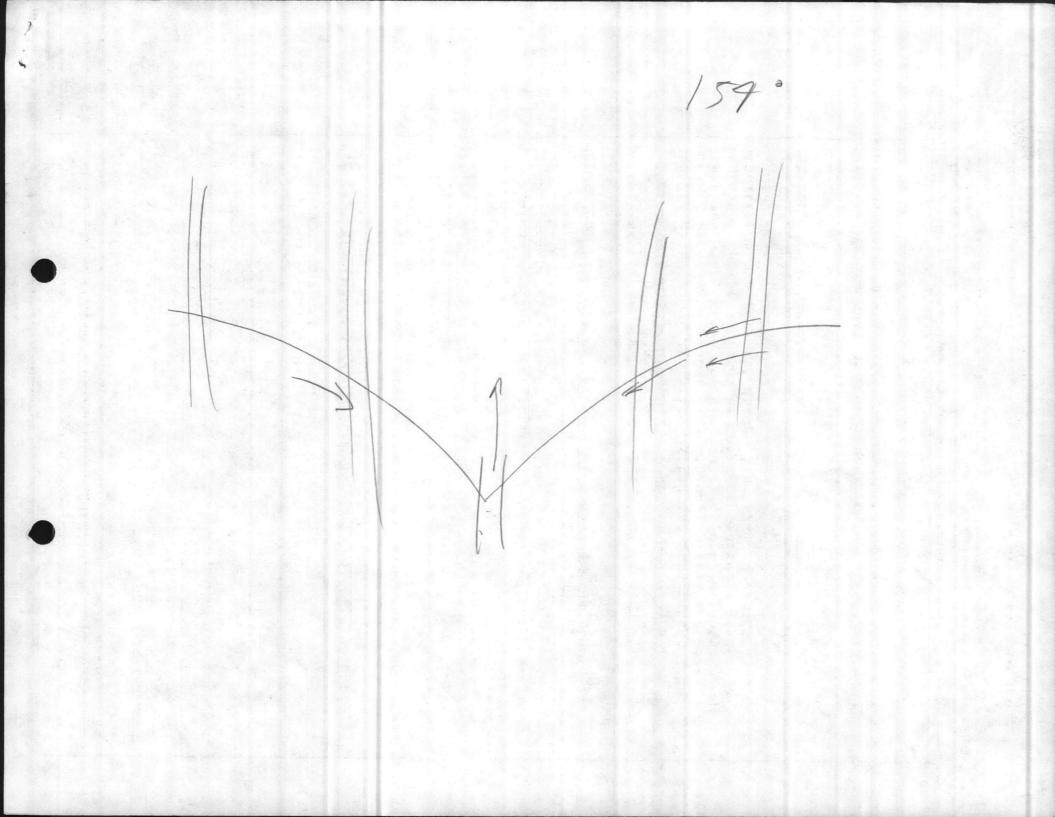
8. <u>"New Start" Criteria for Commercial or Industrial Activities</u> Program (OMB Circular A-76): Not applicable.

DD 1 DEC 76 1391C

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PAGE NO. 3 Of 3

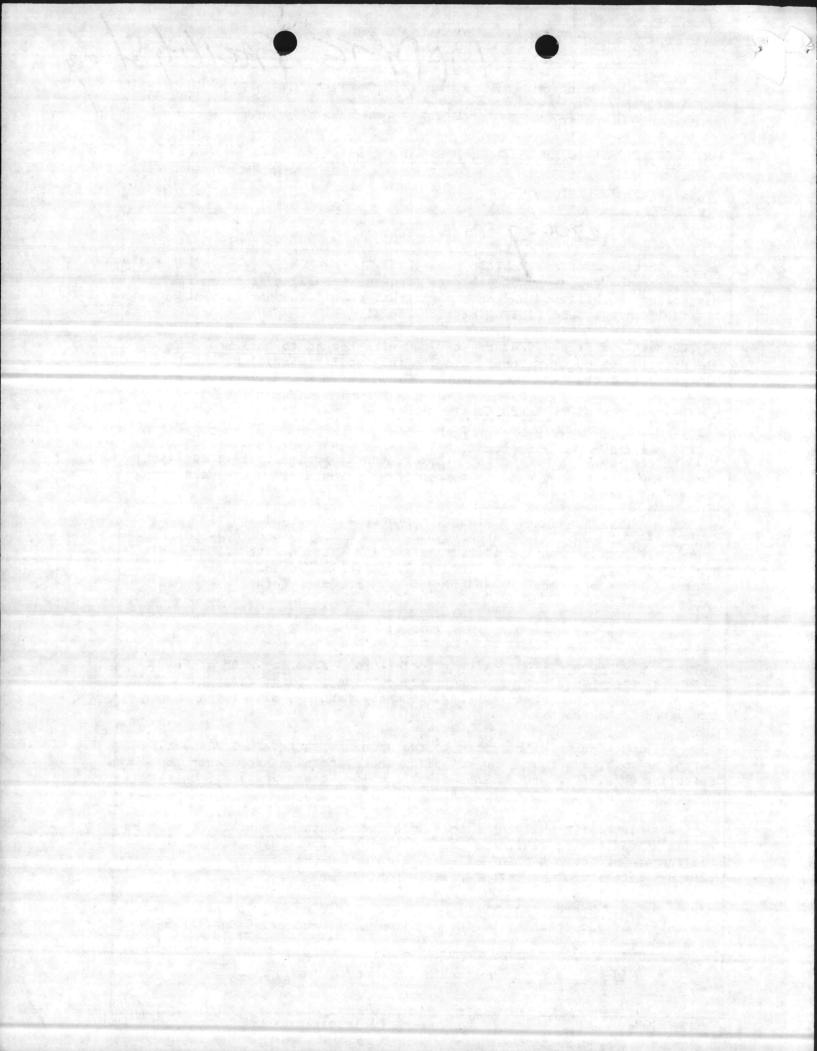
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COMPONENT IFY 19 90 MILITARY CONSTRUCTION PROJE	CT DATA 2. DATE
MARINE CORPS	30 Sep 86.
3. INSTALLATION AND LOCATION	Mar Mar Mary Strate
	and the second second
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	5. PROJECT NUMBER
	the second s
VEHICLE READY FUEL STORAGE	. P-853
1280007 FACILITY STUDY	· · ·
1. <u>Project</u> : Provide a Vehicle Ready Fuel Storage f storage capacity of 925,000 gallons. Provide a fill dispensing capabilities and an administrative build the fuel storage and filling station facilities.	ing station with fuel
2. <u>Current and Planned Future Workload with Regard</u> The duration of need is indefinite and the facilitie 100 percent of the time.	to this Project: as will be utilized
3. Description of Proposed Construction:	2.2
a. <u>Type of Construction</u> : Permanent fuel stora filling station with aboveground storage tanks, admi fuel dispensing pumps, utility connections, paved ac ing and utility connections.	nistrative building;
b. <u>Replacement</u> : This project replaces 792,000 GA in Category code 124-50 and 600,000 GA in categor inadequate fuel storage facilities, a filling static outlets (category code 123-10) and filling station a building (category code 123-15) of 798 SF. For more graph 3.c.(4).	ry code 821-60) of on with dispensing administrative
c. Description of Work to be Done:	
(1) <u>Primary Facilities</u> : Fuel storage fact ground storage tanks, with concrete foundations, pip cathodic protection, area lighting, security fencing and paved access roads.	oing, fire protection,
Filling station with piping to fuel storage tar pumps, paved access roads and refueling areaa, metal refueling area, fire protection, area lighting, comm connections and site improvements.	canopy cover for
Administrative building with reinforced concret walls, steel framing, built-up roof, interior suppor heating and air conditioning, fire protection, plum parking, site improvements and utility connections.	rt systems, (i.e.:
(2) <u>Energy Conservation</u> : Energy efficient ing materials and orientation for maximum energy con utilized.	
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(3) Collateral Equipment: See enclosure (1).

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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 5. PI	ROJECT NUMBER

VEHICLE READY FUEL STORAGE

P-853

5. Justification for Project and for Scope of Project: (continued)

(2) Requirement: The fuel storage facility is required to provide back up fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment traveling through the Industrial Area of the Base.

(3) Current Situation: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and it was deemed necessary to abandon several tanks.

Since the construction (1943) of these facilities, the number of military vehicles at Camp Lejeune has greatly increased, thus causing yearly fuel consumption levels to soar.

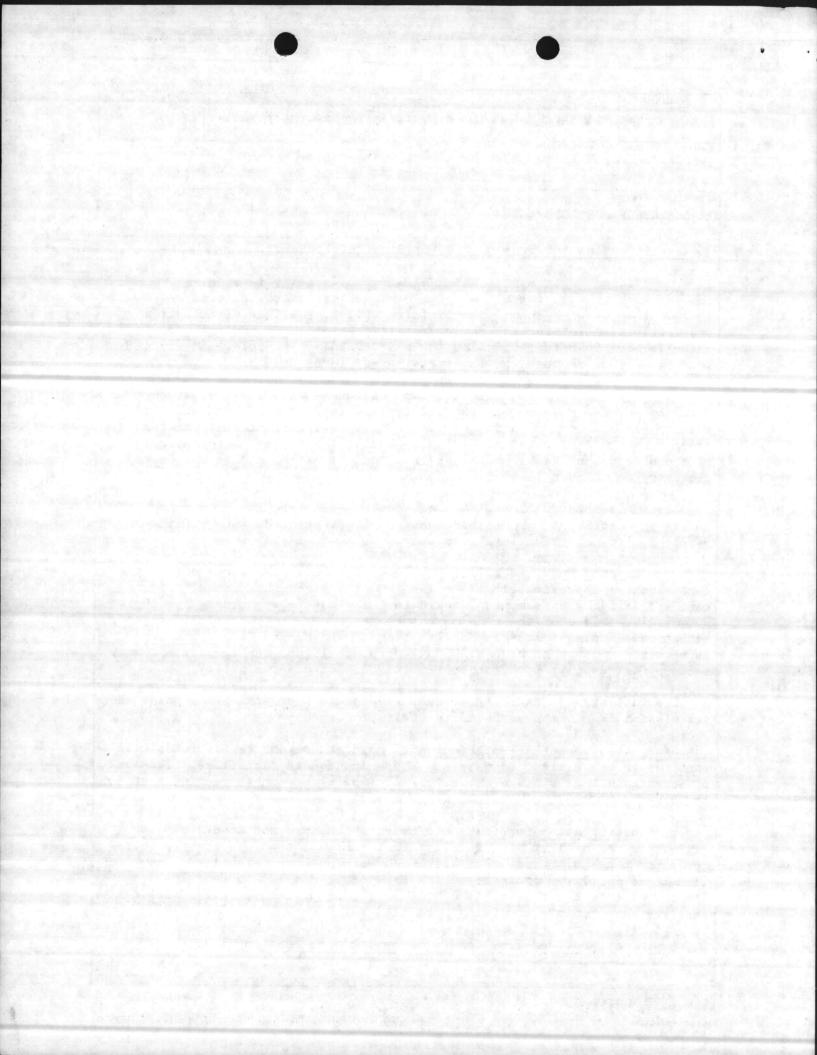
Camp Lejeune receives all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel 30 days in advance of the time of actual need. Due to potential emergency situations causing immediate mobilization of the Marine Corps, the Base is required to have on hand a 30 day operational fuel supply plus a 30 day back up fuel supply for a total of 60 day fuel storage capacity.

The fuel storage facility at Camp Lejeune is approaching the point where its mission can no longer be efficiently performed.

(4) Impact If Not Provided: Maintenance and repair funds will continue to be utilized to maintain these inadequate facilities. The lack of acceptable fuel storage capacity will impair the combat readiness of the Base.

b. Justification for Scope of Project: The project scope, 925,000 gallons, is the minimum size facility that can meet the deficiency requirements for the Fuel Storage Facility needs of the Base. The latest certified Basic Facility Requirement, for category codes 124-50 and 123-15, no longer reflects the true needs of the Base. Accordingly, revised Basic Facility Requirements are being submitted for approval.

6. Equipment Provided from Other Appropriations: Not applicable.

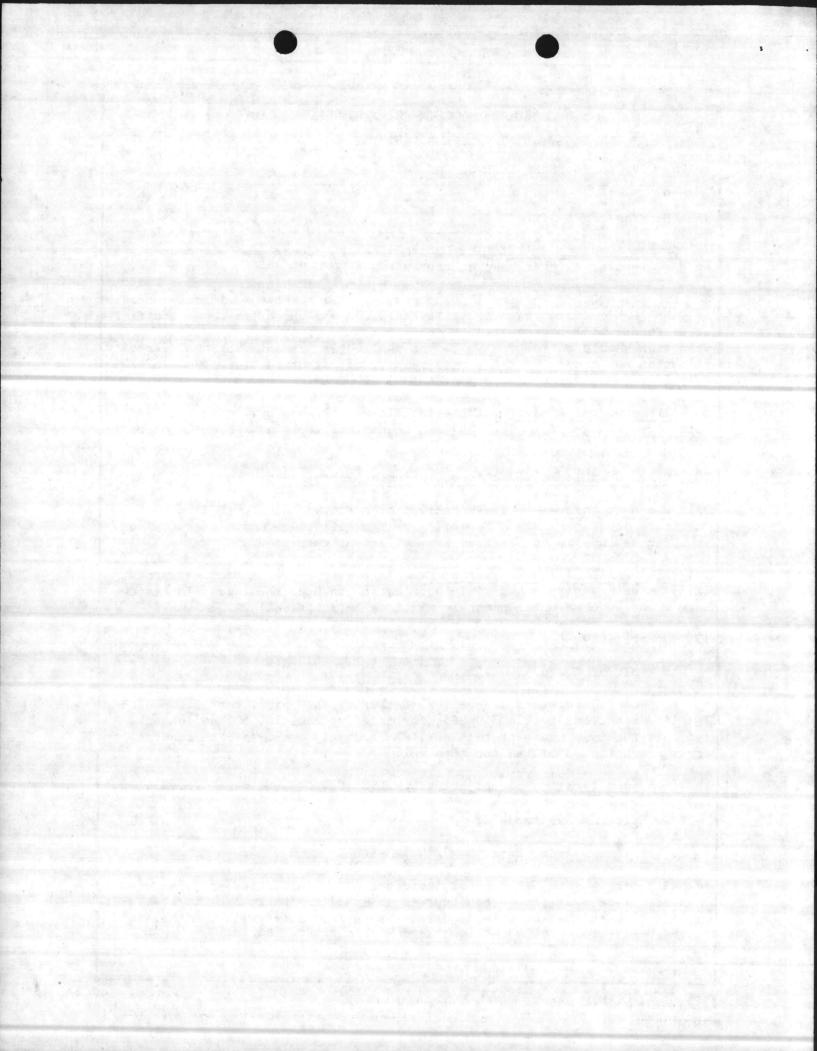


COMPONENT	h	2. DATE
ARINE CORPS FY 19 90 MILITARY CONSTRUCTION PROJE	CT DATA	
INSTALLATION AND LOCATION		
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542	15 850	ECT NUMBER
PROJECT TITLE		
VEHICLE READY FUEL STORAGE	P-8	
7. <u>Common Support Facilities</u> : Not applicable. The support facilities available at the Base.	re are no	common
 <u>Effect On Other Resources</u>: The project will req in O&MMC funds for increased utility services and op al personnel will be required to operate this facili struction should be responsive to the challenges pre situation and comply with the requirements of Execut July 1977, and implemented by NAVFACINST 4100.5A. <u>Siting of the Project</u>: These facilities will be Point Area, in keeping with the Camp Lejeune Master (2). 	erations. ty. Propo sented by ive Order located i	No addition- sed con- the energy 12003 of 20 n the Hadnot
10. Other Graphic Presentations, including Photogra	phs: See e	encl. (3).
 Economic Analysis: These facilities are being partially developed site. Economic savings will be sumption savings to be realized from efficient opera Environmental Impact Assessment: An Environmen (EIA) is being written and will be processed through Board. No adverse environmental impact is anticipat 	in nominal tions. tal Impact the local	energy con- Assessment
13. Quantitative Data:		Star Star
a. Unit of Measure: GALLONS		
b. Total Requirement: *925,000 GALLONS. The 1 Facility Requirement (276,340 SF), for category code reflects the true needs of the Base. Accordingly, r ments are being submitted for approval.	124-50, n	o longer
*For justification of project scope (925,000 GA)	see para	5.b.(3).
c. Existing Substandard: 0		1.44.6
d. Existing Inadequate: *792,000 GALLONS		
*The latest Form NAVMC 10651 indicates these fac However, these facilities (constructed in 1943) are are being redesignated as inadequate. These facilit by this project. (600,000 GA in category code 821-60 category code 124-50). e. Existing Adequate: 0	badly dete ies will b	riorated and e demolished

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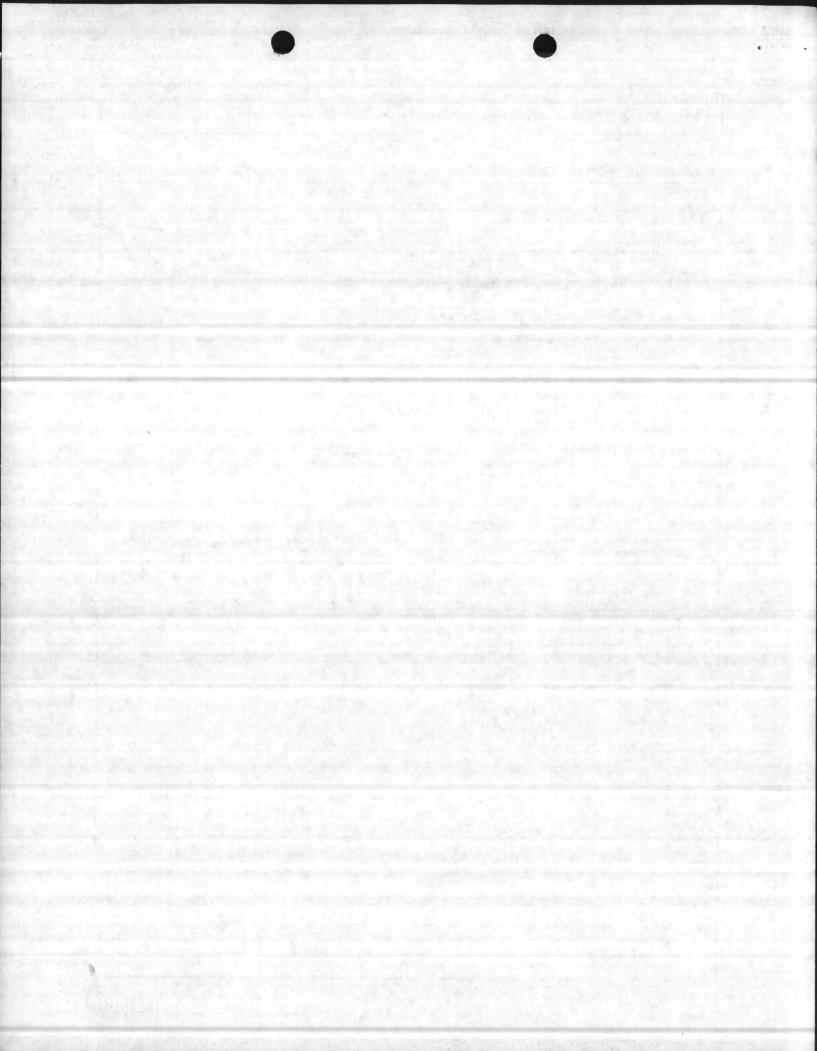
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MARINE CORPS FY 19MILITARY CONSTRUCTION PROJECT DATA INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NC I. PROJECT TITLE VEHICLE READY FUEL STORAGE 13. Quantitative Data: (cont'd) f. Other Assets, Not in Inventory: 0	DJECT NUMBER P-853
MARINE CORPS BASE, CAMP LEJEUNE, NC PROJECT TITLE VEHICLE READY FUEL STORAGE 13. Quantitative Data: (cont'd)	
VEHICLE READY FUEL STORAGE 13. Quantitative Data: (cont'd)	
VEHICLE READY FUEL STORAGE 13. Quantitative Data: (cont'd)	
13. Quantitative Data: (cont'd)	P-853
f. Other Assets, Not in Inventory: 0	
1. other notees, not in intensely.	
g. Funded, Not in Inventory: 0	
h. Adequate Assets: $(e + F + g) = 0$	
i. Deficiency: (b - h) = 925,000 GALLONS	
14. Maintenance Facility: Not applicable.	
15. Morale, Welfare and Recreation Facilities: Not applica	able.
16. Relocation Facilities: Not applicable.	
17. Storage Facilities: Not applicable.	
18. <u>Hazard Identification</u> , <u>Assessment and Analysis</u> : Propose will be a fuel storage facility and a filling station. The potential hazardous conditions will be considered during the	following

a. Gasoline/Diesel Fumes

b. Fire



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 (.11/81)

DATE 30 Sep 86

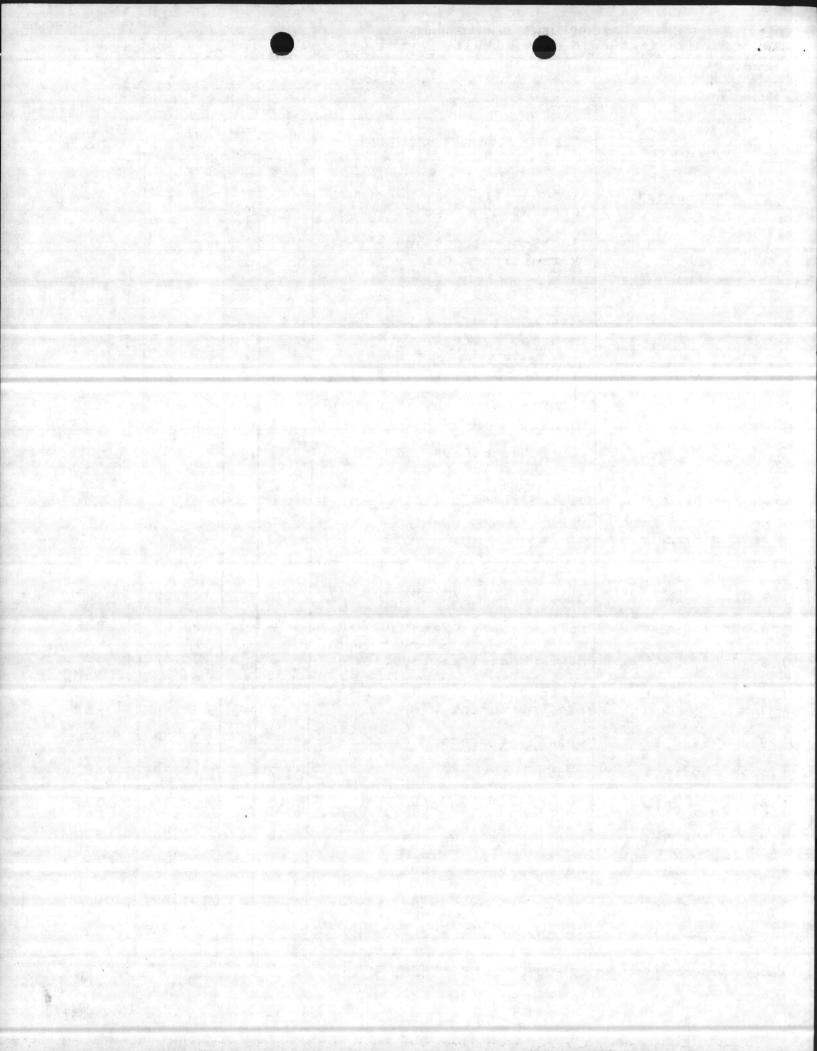
P. NO.

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

2. PROJECT TITLE VEHICLE READY FUEL STORAGE (FY-90)

VEHICLE READY FUEL STO	RAGE (FY-90)	1.1.1		en Salar Street	P-853		
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL		
L. Built In Eqpt to be MCON Funded:	*Air Conditioning, Heating & ventilating systems		sys				
	*Plumbing systems and Steam system (interior)		sys	ren.			
	*Sprinkler System		sys				
	*Telephone, Fire Alarm & intercom systems		sys				
	*Drinking water coolers		ea				
	*Blinds, venetian, light tight and window screens		pr	a da			
	*Public address system		sys				
*Equipment with as	ssociated installation cost.	6. N					
2. Expense Items:			1,21	and the second			
7110-00-149-1630	Desk, flat top, dbl ped	8	ea	234.23	1,874		
7110-00-149-1628	Desk, single ped	2	ea	180.09	36Ø		
7110-00-149-1653	Chair, rotary w/arms	10	ea	82.00	820		
7110-00-958-8044	Chair, secretarial rotary	8	ea	64.60	517		
7110-00-497-2012	Filing cabinet, 5 dwr, legal size, parchment	8	ea	146.20	1,170		
7125-00-764-6129	Cabinet, storage, dbl dr.	2	ea	132.78	266		
7110-00-149-1659	Credenza	2	ea	340.39	681		
7110-00-113-0816	Table, gen'l purpose	2	ea	168.45	337		
7110-00-149-1653	Chair, office w/arms	10	ea	82.00	820		
7110-00-149-2075	Chair, side w/o arms	8	ea	71.05	568		
7110-00-149-1628	pesk, flat top, single ped	6	ea	180.09	1,081		
7110-01-016-6580	Attachment for above desk	6	ea	132.93	798		
		3 8	1	1. 1. 1. 1. 1. 1.	and the second		

Pege 1 of 3 Enclosure (1)



COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 v.11/81)

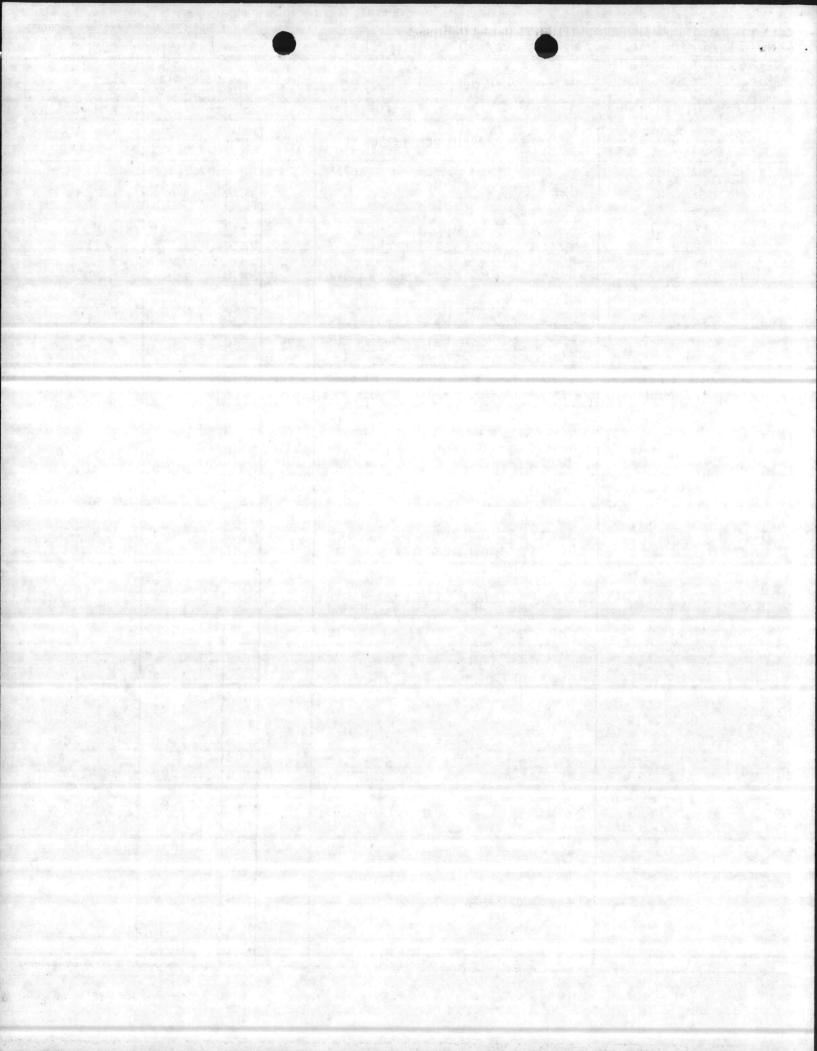
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542

VEHICLE READY FUEL STO	ORAGE (FY-90)				P. NO. P-853	
COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE	ITEM/EQUIPMENT DESCRIPTION	QUAN- TITY	UNIT OF ISSUE	UNIT PRICE	TOTAL	
7110-00-601-9822	Bookcase, 48"overall 2 adj shelves	8	ea	82.92	663	
7195-00-004-6716	Rack, wearing apparel, con- temporary 6 mtl hangers	8	ea	49.39	395	
240-00-285-5416	Basket, waste, 24 guage steel	20	ea	2.85	57	
1210-00-720-1815	Extinguisher, fire 2-1/2 gal air expelled water, Class A stainless steel	6	ea	25.98	156	
1210-01-089-0875	Extinguisher, fire, 20 lb Halon	6	ea	90.00	54Ø	
5645-00-514-3523	Clock, wall	12	ea	8.20	98	
7910-00-680-8296	Floor Polisher	1	ea	209.90	210	
P MONROE	Adding Machine	1	ea	400.00	400	
DP IBM	Typewriter, electric, selec- tric II, dual pitch, correctable	3	ea	850.00	2,550	
)P	Vacuum cleaner, upright	1	ea	127.00 (est)	127	
OP (DUTY ROOM)	Bed Bunk, king size	1	ea	71.00	71	
	Bed, bunk conversion unit	1	ea	14.00	14	
210-00-139-6424	Mattress	1	ea	54.00	• 54	
)P	Bedspread (2 per man)	2	ea	14.00	28	
	Lamp Table	1	ea	33.00	33	
)P	Table, lamp	1	ea	45.00	45	
	Tackboard	1	ea	35.00	35	
	TOTAL EXPENSE ITEMS				14,768	

Pege 2

3

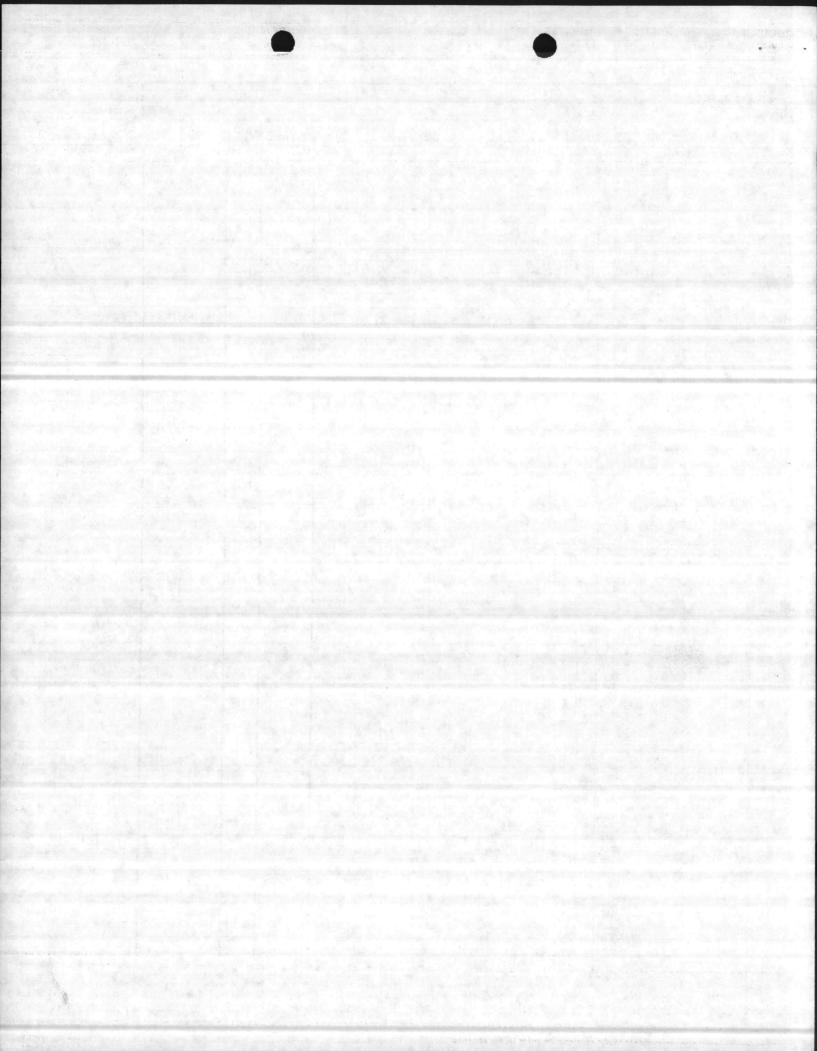
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COLLATERAL EQUIPMENT REQUIREMENTS (Initial Outfitting) LANTDIV NORVA 4-11010/6 v.11/81)

DATE 30 Sep 86

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 2. PROJECT TITLE P. NO. P-853 VEHICLE READY FUEL STORAGE (FY-90) COG. SYMBOL AND FED. STOCK NO. OR OTHER SOURCE UNIT OF ISSUE QUAN-UNIT TOTAL ITEM/EQUIPMENT DESCRIPTION 3. Investment Items None. APA Eqpt: 4. None. Training Eqpt .: None 5. Estimated BOD December 1991 3 3 Page of



REQUEST FOR PROJECT SITE APPROVAL

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

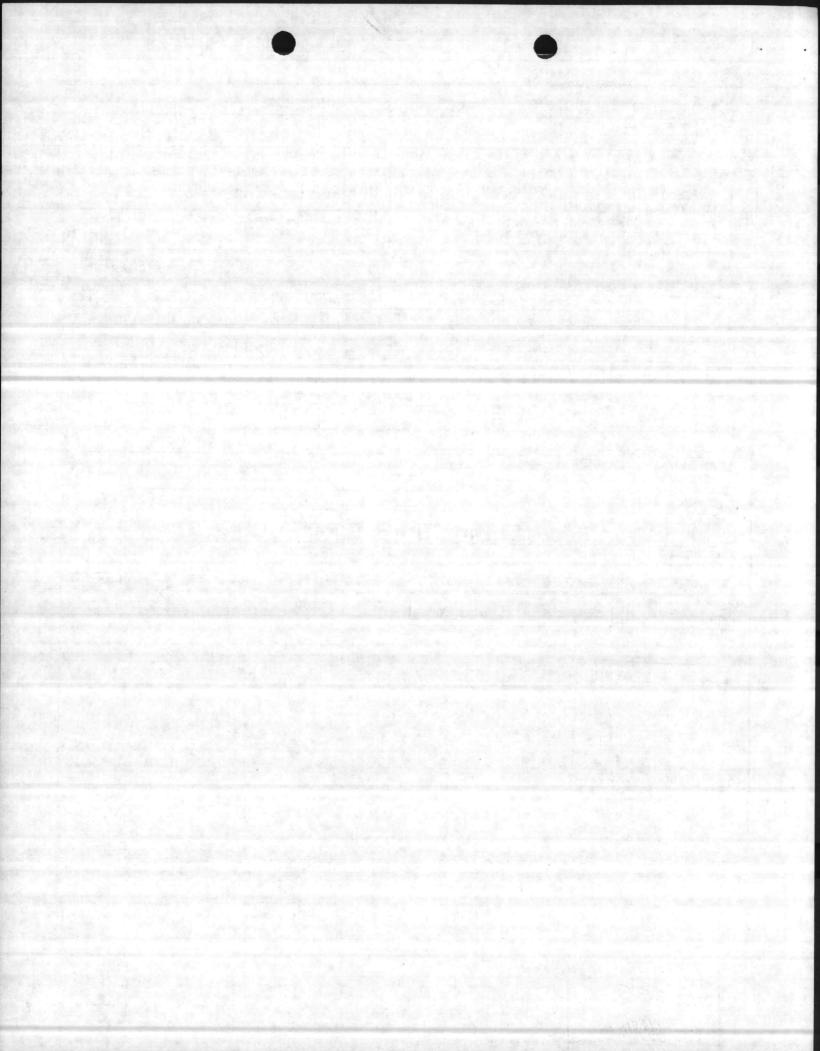
PROJECT NUMBER

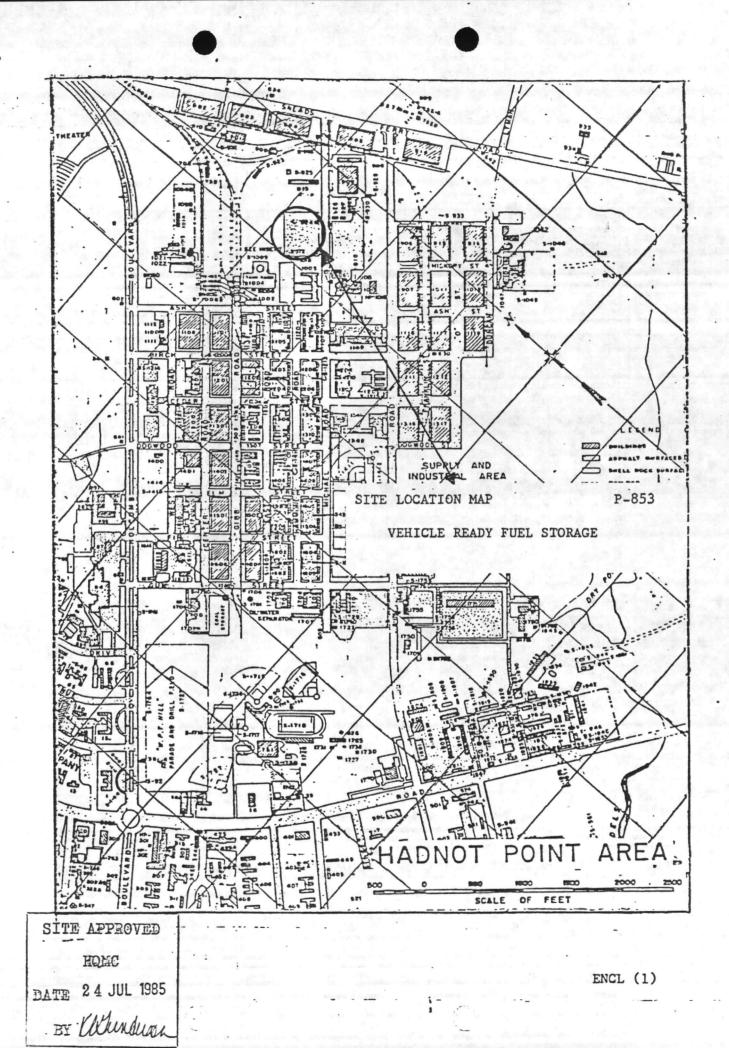
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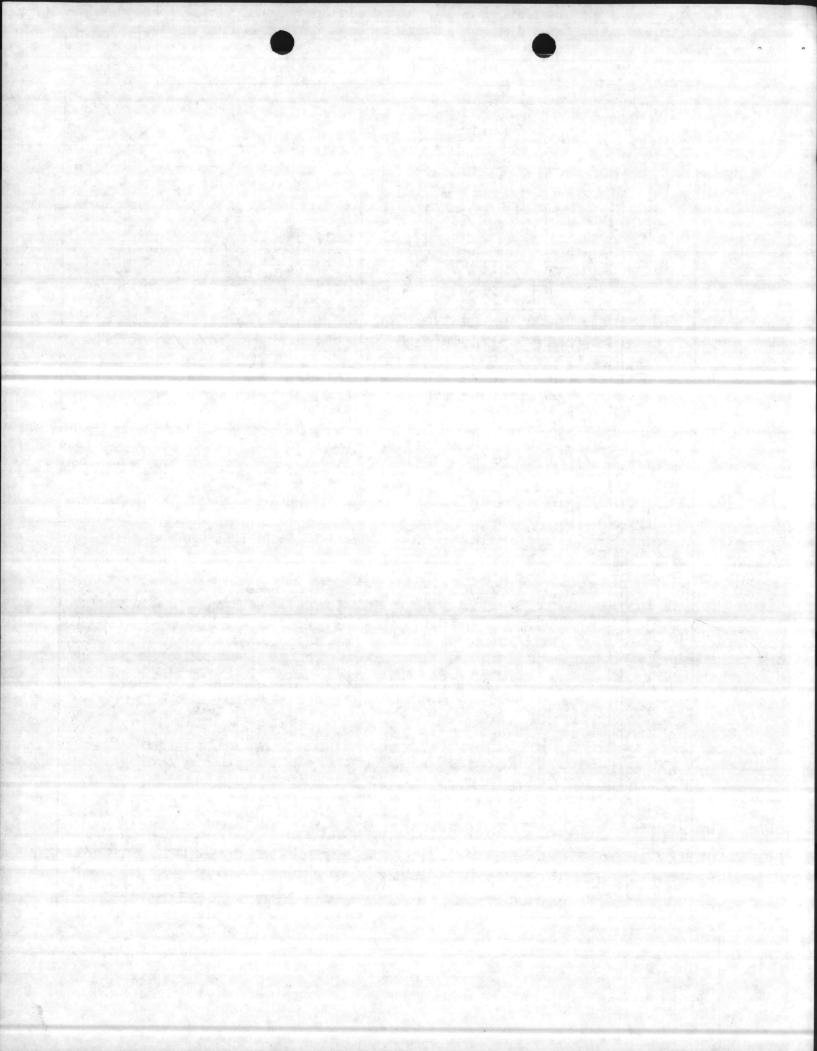
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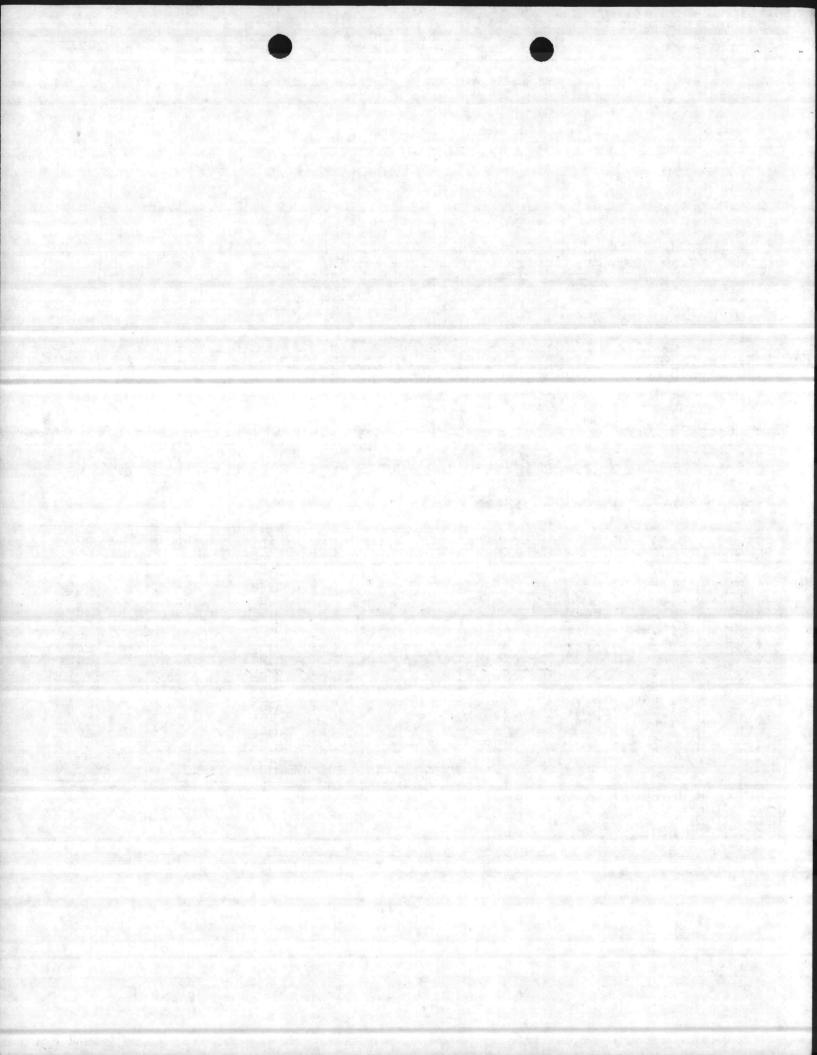
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END DATA FOR CATEGORY CODE 12450



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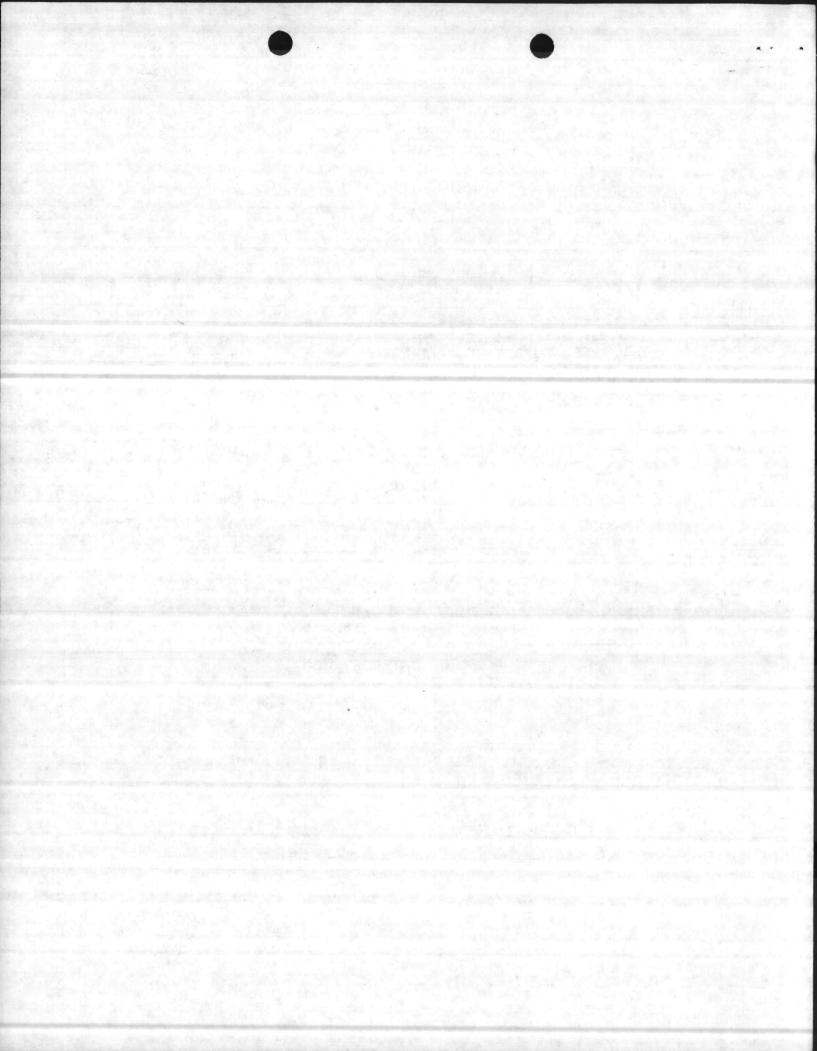
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END DATA FOR CATEGORY CODE 82160





DEPARTMENT OF THE NAVY

ATLANTIC DIVISION NAVAL FACILITIES ENGINEERING COMMAND NORFOLK, VIRGINIA 23511-6287

TELEPHONE NO 444-9670 IN REPLY REFER TO: 11010 09A2131 2 0 NOV 1986 1 Ml

From: Commander, Atlantic Division, Naval Facilities Engineering Command o To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina

Subj: FY 90 MCON PROGRAM COST CERTIFICATION

Ref: (a) MCB CAMP LEJEUNE 1tr of 29 Sep 86

1. Reference (a) requested cost certification for all FY 90 MCON Projects. We have reviewed the project documentation and find that additional information is required on some of the projects for us to certify the cost. The projects are:

- a. P-887, Wallace Creek Bridges
- b. P-888, Combat Vehicle Maintenance Shop
- c. P-828, Field Medical Service School Facility
- d. P-196, Combat Vehicle Maintenance Shop
- e. P-644, Electronics/Communications Maintenance Shop
- f. P-881, Anti-Tank Maintenance Facility
- g. P-853, Vehicle Ready Fuel Storage

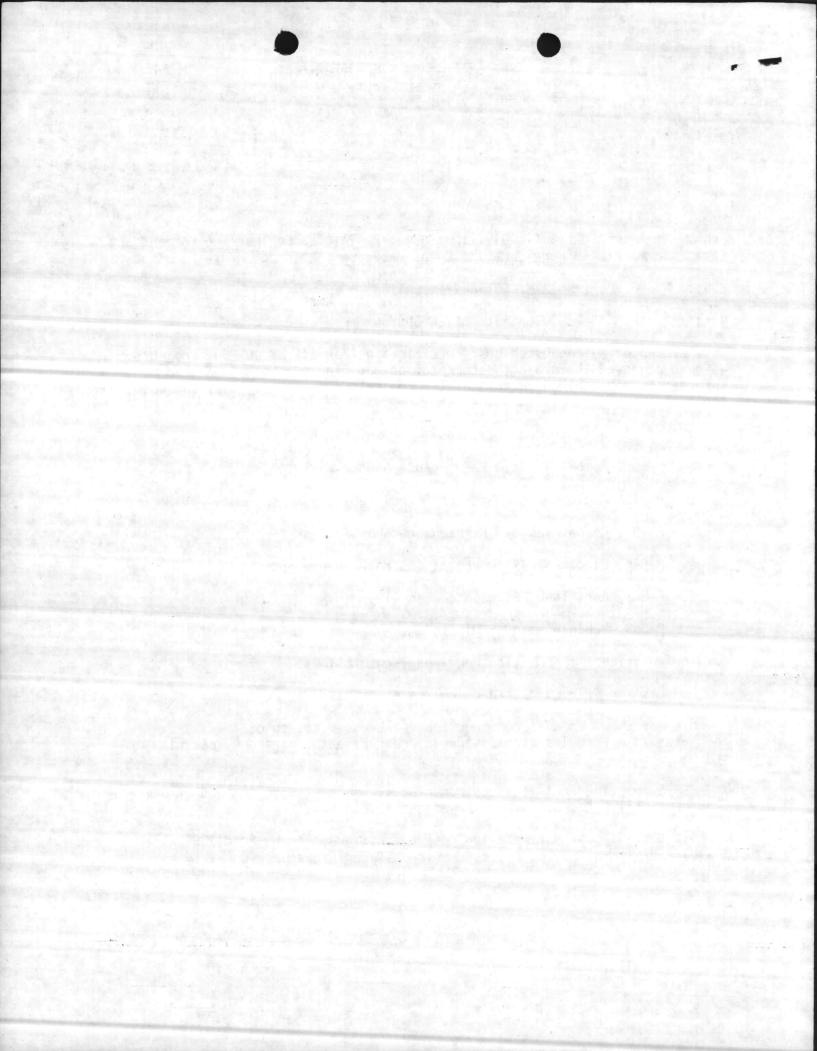
2. The additional information required is as follows:

a. Listing of required functional area by category code or by usage

b. Any known special construction features, i.e., special mechanical/electrical systems, security requirements, hazardous material storage

c. Supporting facility requirements, i.e., demolition, amount of paving, length of utility runs, number of washracks, etc.

d. Back-up cost estimate indicating how figures on DD Form 1391 were arrived at; items (b) and (c) may be identified in the back-up estimate.



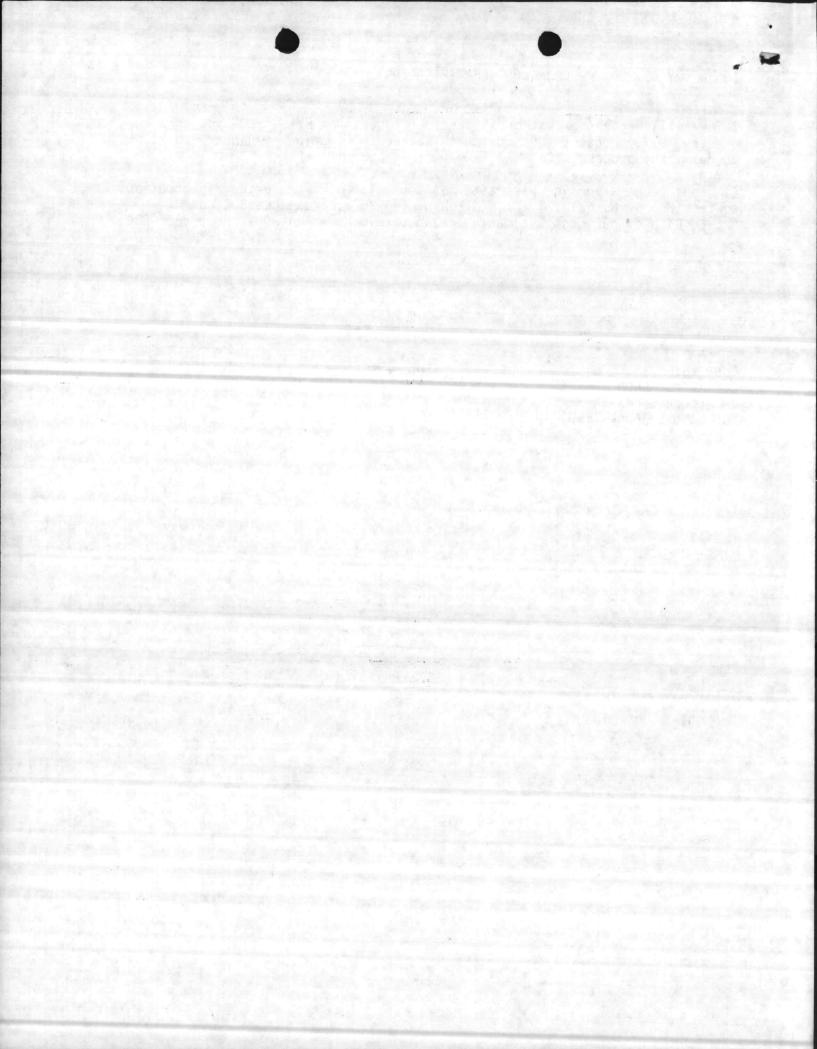
Subj: FY 90 MCON PROGRAM COST CERTIFICATION

3. We will begin the cost certification process for FY-90 MCON projects in January 1987. Request you provide the above information by January so as not to delay the process.

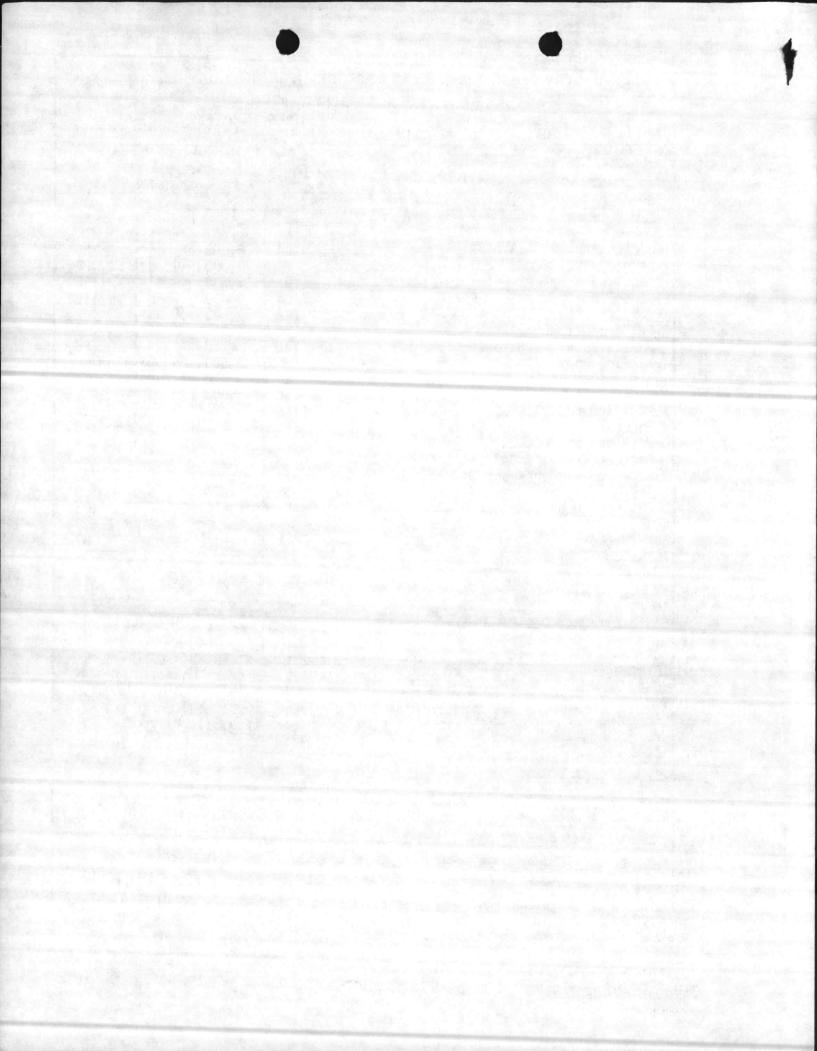
4. Your cooperation in this matter is appreciated. For further information, contact Ms. S. M. Gale, P. E., telephone 444-9670, area code 804, or Mr. Ed Rich of our Cost Estimating Branch, telephone 444-9907, area code 804.

Some

Copy to: COMNAVFACENGCOM CMC (Code LFF-1) MCB Camp Lejeune (PWO) S. M. GALE, P. E. By direction



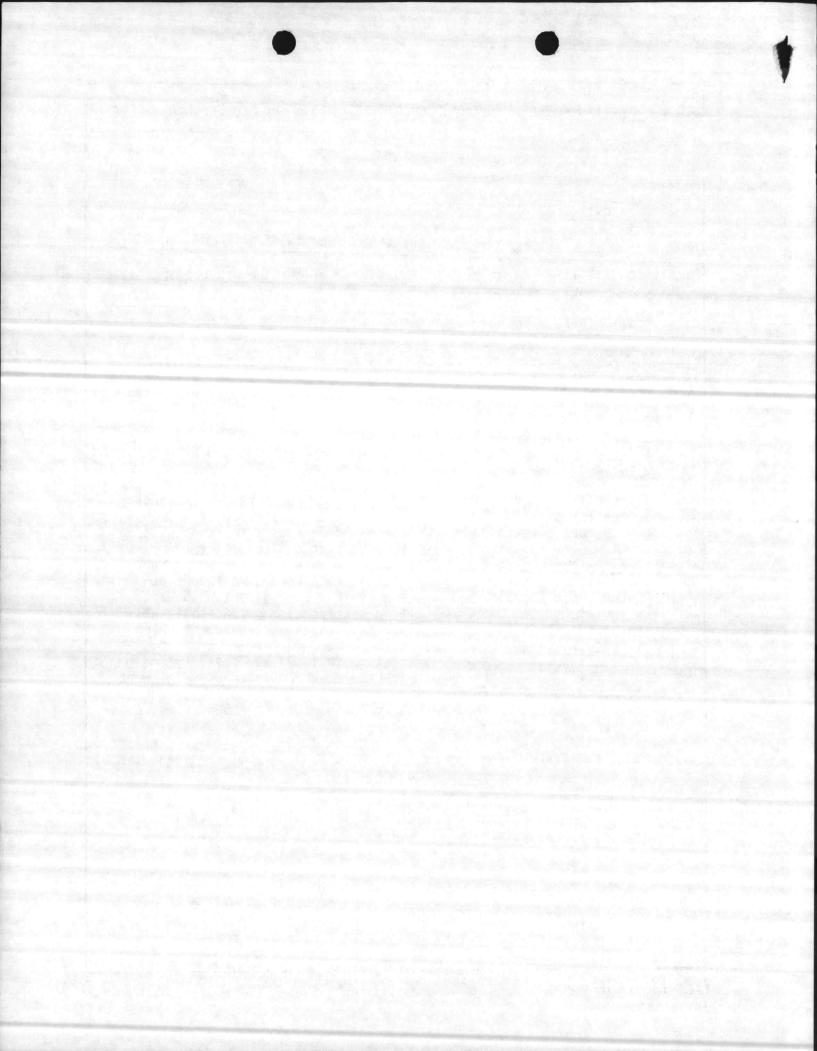
	19 ⁸⁹ MILITARY CO	ONSTRUC	TION PR	OJECT DA		0 Feb 86
3. INSTALLATION AND LC MARINE CORPS BASE CAMP LEJEUNE, NOR			4. PROJECT	READY FU	EL STO	RAGE
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	TNUMBER	8. PROJ	ECT COST	r (\$00 0)
	124-50	P-85	3	Section and	1,800	
ESCALATED TO APRI	L 1989 9. co	OST ESTIMAT	ES		-	
	ITEM		. U/M	QUANTITY	UNIT COST	
Gasoline Storag Gasoline Storag Diesel Fuel Sto Kerosene Storag FILLING STATION: Fuel Dispensing Metal Camopy Attendants Boot ADMINISTRATION BU SUPPORTING FACILI Special Constru Utility Connect Communications Site Improvemen Pavements: Rig Concrete Pipe c SUBTOTAL CONTINGENCY - (5% TOTAL CONTRACT CO SUPERVISION, INSP TOTAL REQUEST TOTAL REQUEST (RO	(123-10) Pumps h ILDING (123-15) TIES: ction Features ions and Fire Alarm Sys ts adn Demolition id and Flexible hase) ST ECTION AND OVERHEA	00 GA 000 GA stem AD (5.5%)	GA GA GA GA LS OL SF SF LS LS LS SY SY LF	925,000 150,000 125,000 600,000 50,000 10 12,500 70 1,200 31,500 6,000 2,500	0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85	(128) (106) (510) (42) (133) (26) (106) (11) (12) (12) (12) (12) (12) (12) (12
Vehicle Ready Fue concrete foundati	of Proposed Constr 1 Storage Facility ons and pipe chase lighting, security	y with al es, pipir	g, fire	protecti	on, ca	thodic
Filling Station w paved access and	ith piping to fue refueling area, me fire protection, ite improvements.	etal cano	py cove	r for ref	ueling	area,
steel framing, bu air conditioning,	ilding with reinfo ilt-up roof, inter fire protection, utility connection	rior supp plumbing	ort sys	tems (l.e	.: hea	ting and
DD 1 DEC 76 1391	PREVIOUS EDITION	S MAY BE US			CE: 1979-	PAGE NO. 1



ADTHE CODDS	00		and the	and the state	an readailt is		2. DATE
MARINE CORPS FY 19 ⁸⁹ MILITARY CONSTRUCTION PROJECT DATA							20 Feb 86
ARINE CORPS			NORTH	CAROLINA :	28542		
PROJECT TITLE			,			5. PRO	JECT NUMBER
EHICLE READY	FUEL STOP	RAGE					P-853
10. Descript	ion of Pro	posed Co	nstructio	on: (con	t'd):		
Demolition an facilities.	d site res	storation	of exis	ting fuel	storage	and f	illing statio
Air Condition	ing: 3 To	ons					
I. REQUIREM	ENIS:						
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storage capac Station with For support of REQUIREMENT: up fuel for a Camp Lejeune. receiving poi a main refuel travel throug CURRENT SITUA ts related f and repair fu deteriorated ground tanks abandon seven the number of causing yearl	fuel dispe f the fuel The fuel Il Governm The faci nt for the ing point h the Indu TION: Can illing sta nds are co conditions has caused al tanks. military y fuel cor	ensing ca storage storage nent owned lity will Base. for all ustrial A p Lejeun ation was ontinuous S. Fuel soil con Since t vehicles	pabilitie and fil facility d or lead l be the A filling Governmen rea of the rea of the	es and an ling stat: is requir sed vehic central is g station nt vehicle he Base. ting fuel cted in the spent on e to the of ion and do ruction in Lejeune h	administ ion facil red for p les and e fuel dist is requi es and e storage he 1943 e these fa deteriora eemed it n 1943, o	crativ lities provid equipm cribut ired t quipme facil era. acilit ation neces of the	e building ling back- ment at ion and to establish ent which ity and Maintenance ties due to of the under sary to ese facilitie
Comp Loio	una maaia				at a from		mercial fuel

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PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED



MARINE CORPS	FY 19MILITARY CONSTRUCTION PROJECT DA	TA 20 Feb 86
3. INSTALLATION A MARINE CORPS	BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE	5	PROJECT NUMBER
VEHICLE READ	FUEL STORAGE	P-853

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.

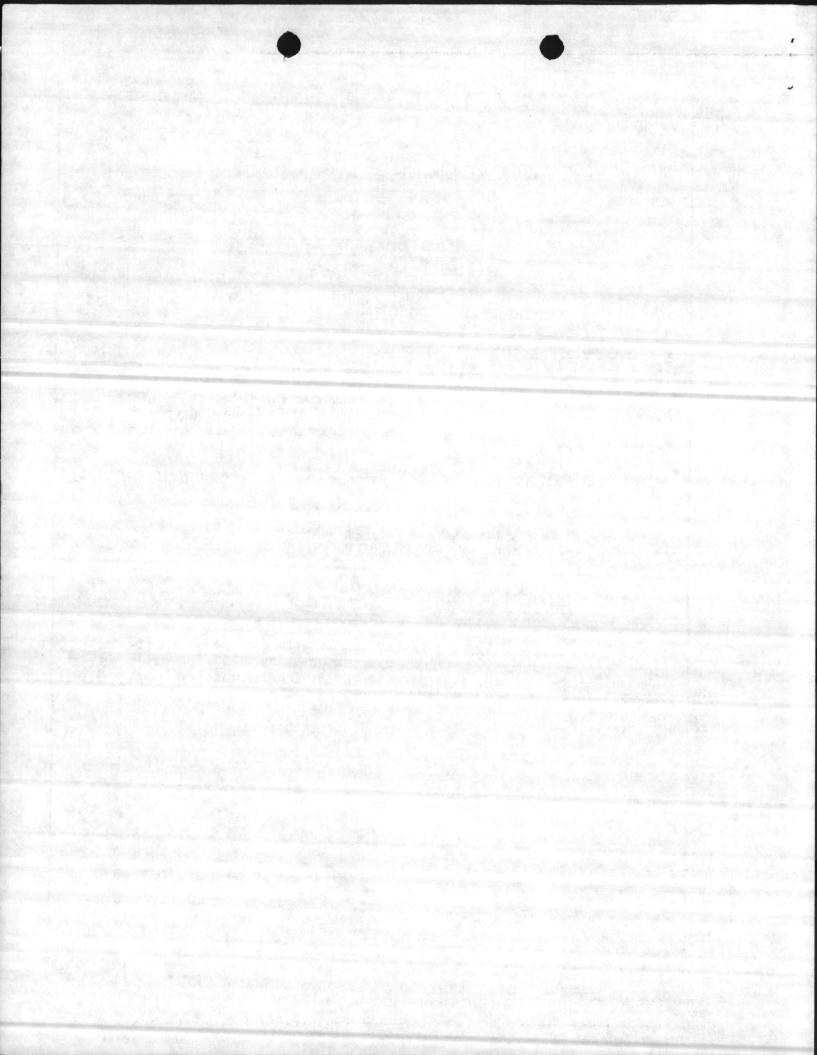
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.

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. <u>Preservation of Historical Sites and Structures</u>: This project does not directly or indirectly affect a district, site, building, structure, object, or setting which is listed in the National Register or otherwise possesses a significant quality of American history.

8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not applicable.

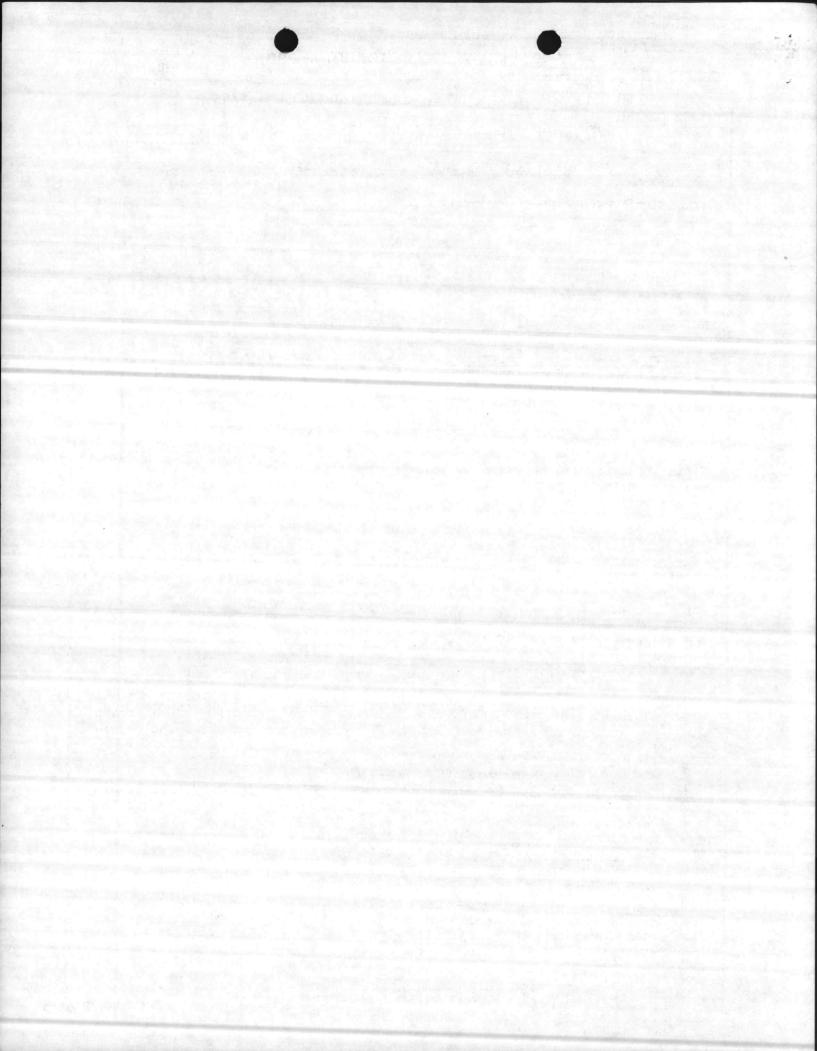


ARTINE CORRERACE CAND LETENE NORTH CAROLINA	, , , , , , , , , , , , , , , , , , , ,
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA I. PROJECT TITLE	5. PROJECT NUMBER
VEHICLE READY FUEL STORAGE	. P-853
FACILITY STUDY	
 Project: Provide a Vehicle Ready Fuel Storage capacity of 925,000 gallons. Provide dispensing capabilities and an administrative the fuel storage and filling station faciliti Current and Planned Future Workload with R The duration of need is indefinite and the face 	a filling station with fuel building for support of es. egard to this Project:
100 percent of the time.3. Description of Proposed Construction:	
filling station with aboveground storage tanks fuel dispensing pumps, utility connections, par ing and utility connections. b. <u>Replacement</u> : This project replaces 7 GA in Category code 124-50 and 600,000 GA in contradequate fuel storage facilities, a filling outlets (category code 123-10) and filling state building (category code 123-15) of 798 SF. For graph 3.c.(4).	92,000 gallons (192,000 ategory code 821-60) of station with dispensing tion administrative
c. Description of Work to be Done:	
(1) <u>Primary Facilities</u> : Fuel storag ground storage tanks, with concrete foundation cathodic protection, area lighting, security f and paved access roads.	s, piping, fire protection,
Filling station with piping to fuel stora pumps, paved access roads and refueling areaa, refueling area, fire protection, area lighting connections and site improvements.	metal canopy cover for
Administrative building with reinforced c walls, steel framing, built-up roof, interior heating and air conditioning, fire protection, parking, site improvements and utility connect	<pre>support systems, (i.e.: plumbing, etc.), paved</pre>
(2) <u>Energy Conservation</u> : Energy ef ing materials and orientation for maximum ener utilized.	
(3) Collateral Equipment: A collat	eral equipment list will be

DD FORM 1391c

forwarded under separate correspondence.

PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED



ARINE CORPS FY 19 89 MILITARY CONSTRUCTION PROJECT	2. DATE 20 Feb 86
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE VEHICLE READY FUEL STORAGE	5. PROJECT NUMBER P-853

c. Description of Work to be Done: (continued)

(4) <u>Supporting Facilities</u>: Underground fuel storage tanks, with concrete foundations, piping, cathodic protection, fire protection, fuel dispensing pumps, utility connections, paved access roads and refueling areas, pollution abatement and site improvements. Facilities to be demolished by this project are as follows:

Bldg #	Date Const.	Туре	U/M	Use Cat Code	Condition
S-1009	1943	Р	600,000 GA	821-60	*Adequate
S-1023	1943		12,000 GA	124-50	
S-1024	1943		15,000 GA		
S-1025	1943		12,000 GA		11
S-1026	1943		15,000 GA		П
S-1027	1943		15,000 GA		II
S-1028	1943	н	15,000 GA		11
S-1029	1943	п	15,000 GA		11
S-1030	1943		12,000 GA		11
S-1031	1943	11	15,000 GA		II
S-1032	1943		12,000 GA		н
S-1033	1943	11	12,000 GA		11
S-1034	1943	11	12,000 GA		11
S-1035	1943		15,000 GA		11
S-1036	1943	11	15,000 GA		11
1002	1942	P	798 SF	123-15	н
S-1037	1943	11	1 OL	123-10	II .
S-1038	1972		132 SF	126-30	
S-1039	1943		132 SF		H
S-1040	1948		36 SF		
S-1056	1948		36 SF	730-12	

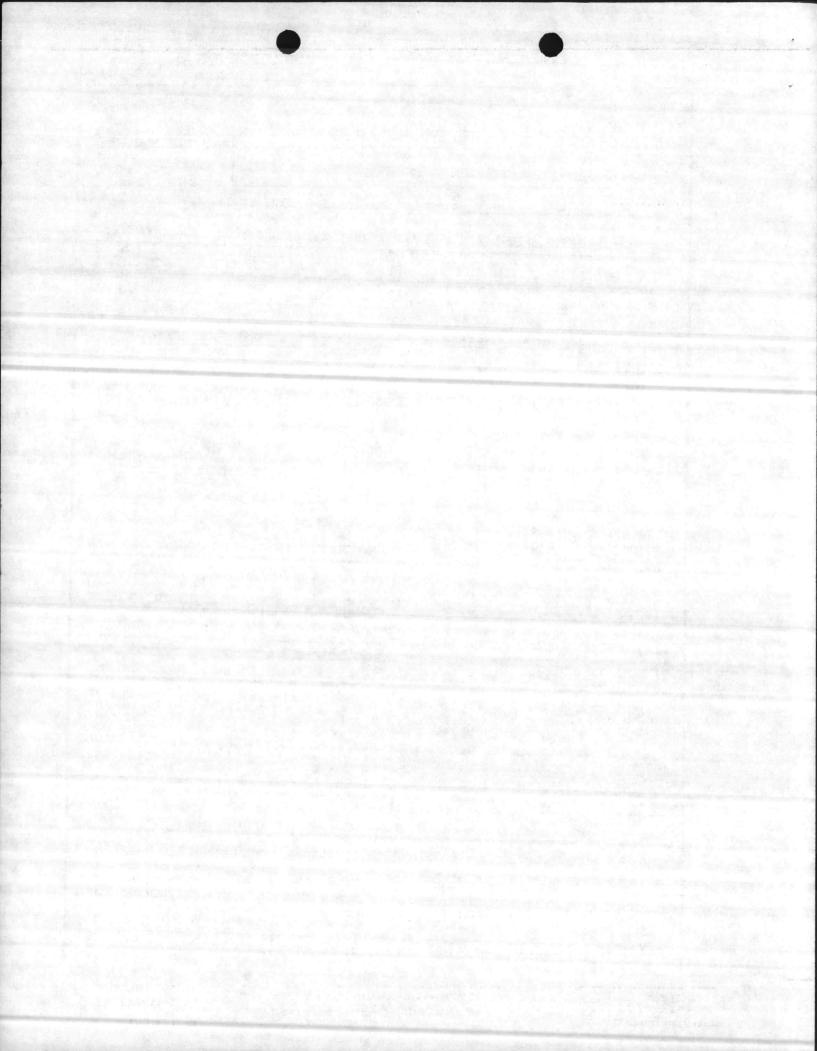
*The latest Form NAVMC 10651, indicates these facilities are adequate However, these facilities are badly deteriorated and are being redesignated as inadequate.

4. Cost Estimate: Area Cost Factor for Camp Lejeune, NC is 0.86. Cost data derived from 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 of Project:

(1) Construct a Fuel Storage facility with a total storage capacity of 925,000 gallons. Project is to include a Filling Station with fuel dispensing capabilities and an Administrative building for support of the Fuel Storage and Filling Station facilities.



1. COMPONENT MARINE CORPS	FY 19	89	MILITARY	CONS	TRUCTION	PROJECT	DATA	2. DATE 20 Feb 86
3. INSTALLATION A						<u></u>		
ARINE -CORPS B	BASE, C	CAMP	LEJEUNE,	NORTH	CAROLINA	2854 2		
4. PROJECT TITLE			n and an and a star	1000 C		and the second second	5. PRO.	JECT NUMBER

EHICLE READY FUEL STORAGE

5. PROJECT NUMBER P-853

5. Justification for Project and for Scope of Project: (continued)

(2) Requirement: The fuel storage facility is required to provide back up fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment traveling through the Industrial Area of the Base.

(3) Current Situation: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and it was deemed necessary to abandon several tanks.

Since the construction (1943) of these facilities, the number of military vehicles at Camp Lejeune has greatly increased, thus causing yearly fuel consumption levels to soar.

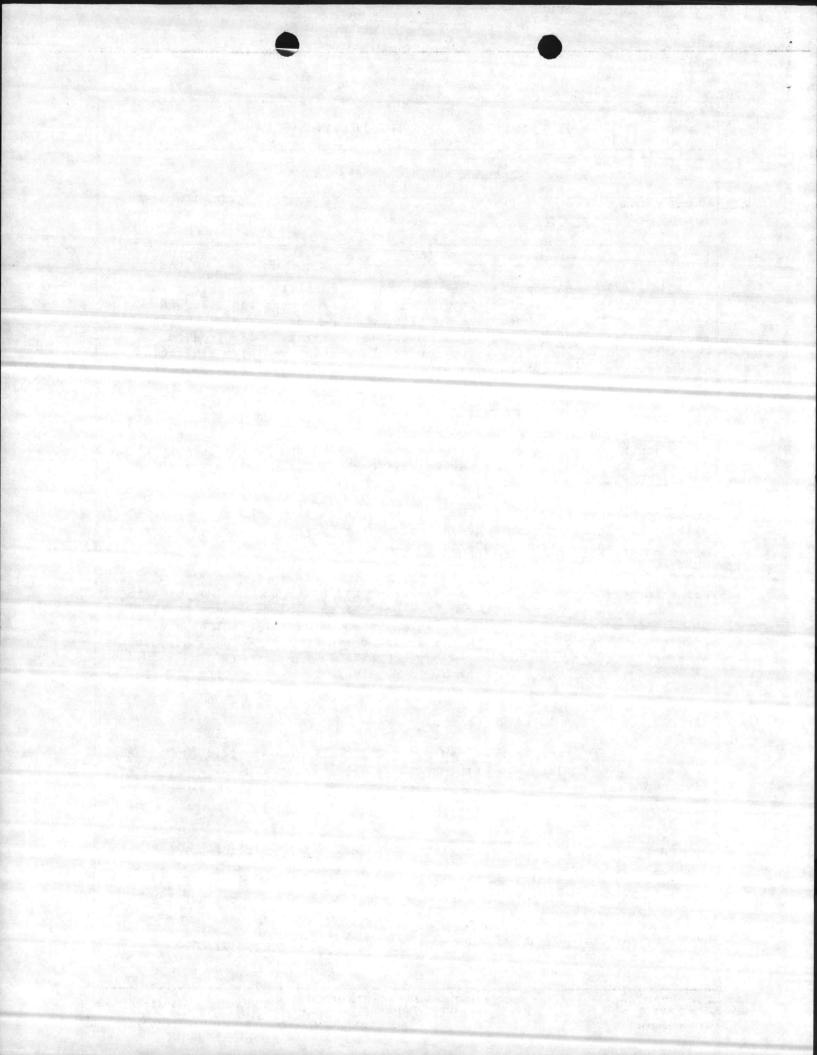
Camp Lejeune receives all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel 30 days in advance of the time of actual need. Due to potential emergency situations causing immediate mobilization of the Marine Corps, the Base is required to have on hand a 30 day operational fuel supply plus a 30 day back up fuel supply for a total of 60 day fuel storage capacity.

The fuel storage facility at Camp Lejeune is approaching the point where its mission can no longer be efficiently performed.

(4) Impact If Not Provided: Maintenance and repair funds will continue to be utilized to maintain these inadequate facilities. The lack of acceptable fuel storage capacity will impair the combat readiness of the Base.

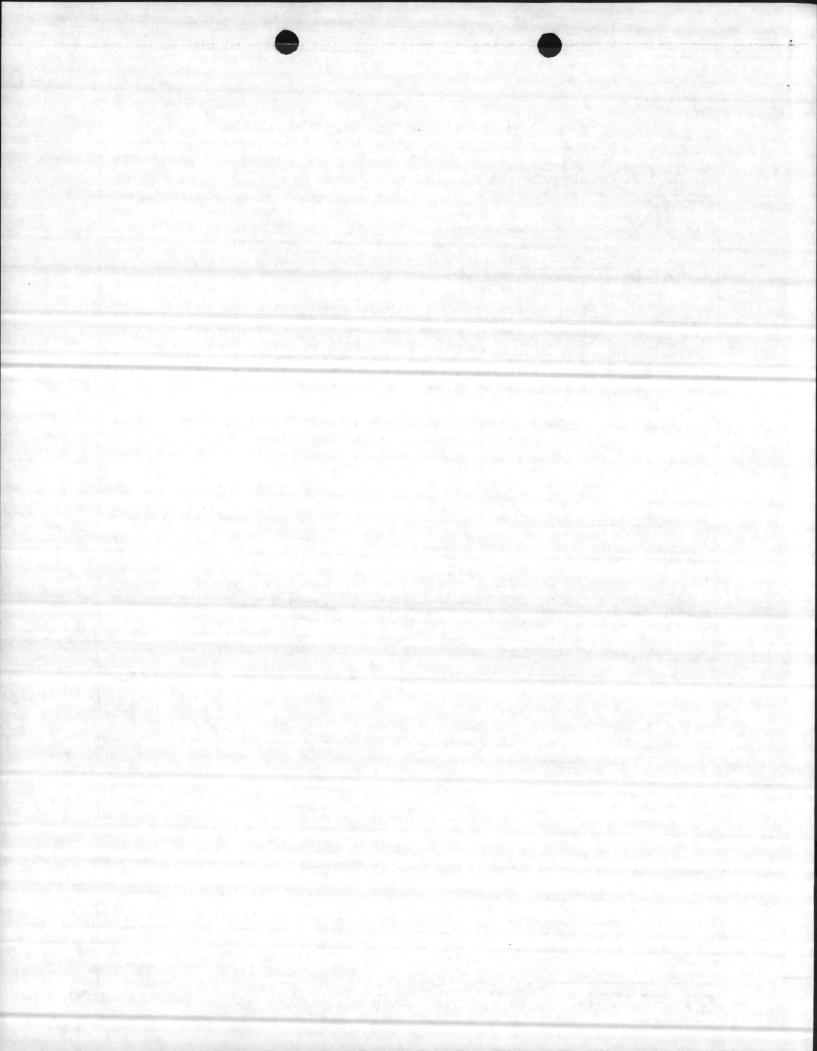
b. Justification for Scope of Project: The project scope, 925,000 gallons, is the minimum size facility that can meet the deficiency requirements for the Fuel Storage Facility needs of the Base. The latest certified Basic Facility Requirement, for category codes 124-50 and 123-15, no longer reflects the true needs of the Base. Accordingly, revised Basic Facility Requirements are being submitted for approval.

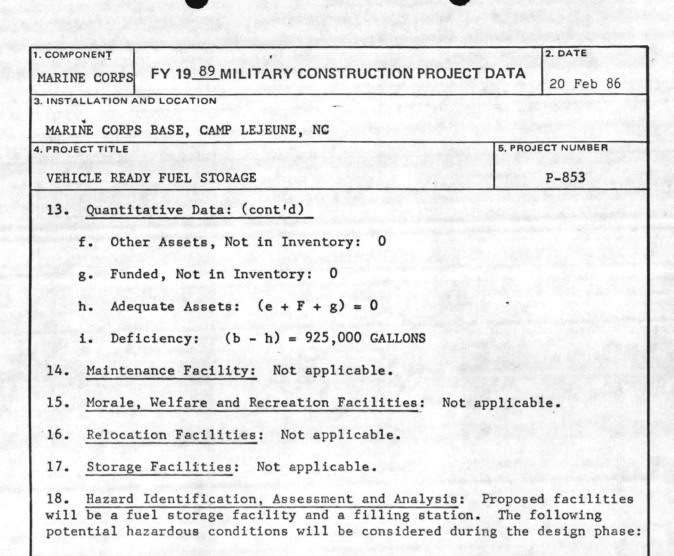
Equipment Provided from Other Appropriations: Not applicable. 6.



COMPONENT	8.11 ⁰	2. DATE
ARINE CORPS	JECT DATA	20 Feb 86
INSTALLATION AND LOCATION		
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542		
PROJECT TITLE	5. PROJI	CT NUMBER
THICLE READY FUEL STORAGE	P-8	53
. <u>Common Support Facilities</u> : Not applicable. T support facilities available at the Base.	here are no	common
Effect On Other Resources: The project will r in O&MMC funds for increased utility services and all personnel will be required to operate this faci- struction should be responsive to the challenges p dituation and comply with the requirements of Exec- fuly 1977, and implemented by NAVFACINST 4100.5A. Siting of the Project: These facilities will coint Area, in keeping with the Camp Lejeune Maste	operations. lity. Propo resented by utive Order be located i	No addition- sed con- the energy 12003 of 20 n the Hadnot
1).		
0. Other Graphic Presentations, including Photog	raphs: None	
1. Economic Analysis: These facilities are bein artially developed site. Economic savings will b umption savings to be realized from efficient oper	e in nominal	d on a energy con-
2. Environmental Impact Assessment: An Environmetal is being written and will be processed througoard. No adverse environmental impact is anticip	gh the local	Assessment EIA Review
3. Quantitative Data:		
a. Unit of Measure: GALLONS		
b. Total Requirement: *925,000 GALLONS. The acility Requirement (276,340 SF), for category con	de 124-50, no	longer
eflects the true needs of the Base. Accordingly, ents are being submitted for approval.		
	A) see para :	5.b.(3).
ents are being submitted for approval.	A) see para .	5.b.(3).
ents are being submitted for approval. *For justification of project scope (925,000 G.	A) see para .	5.b.(3).

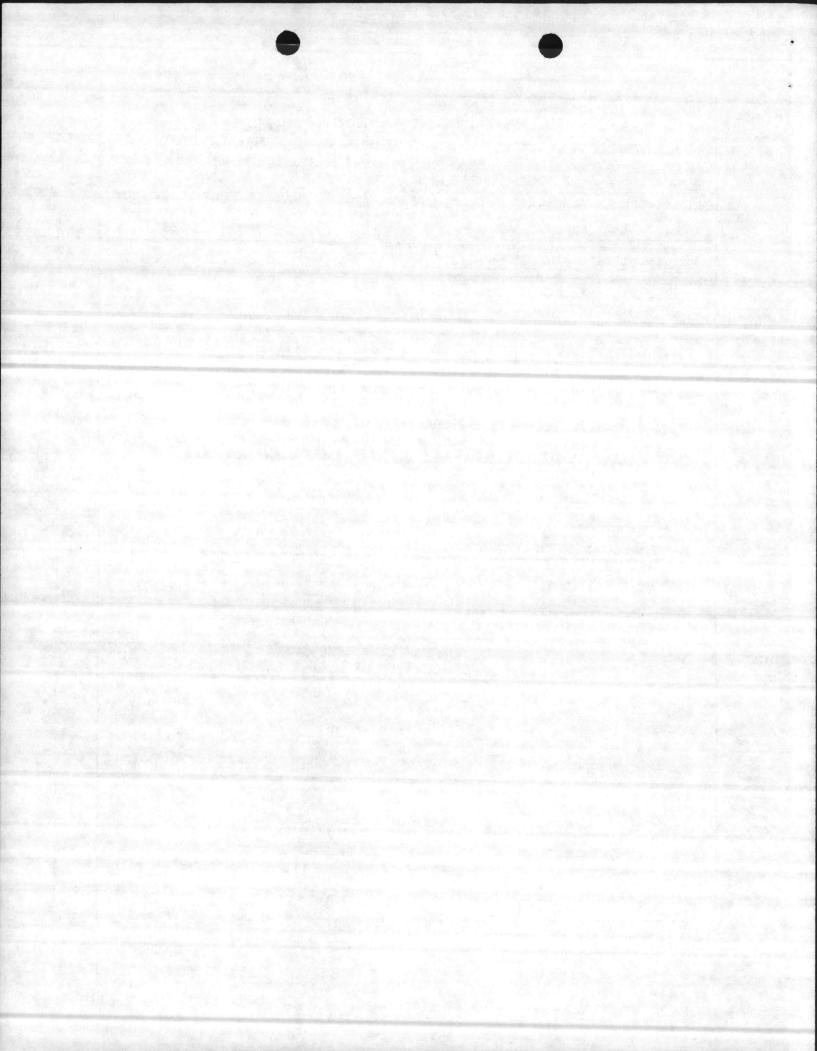
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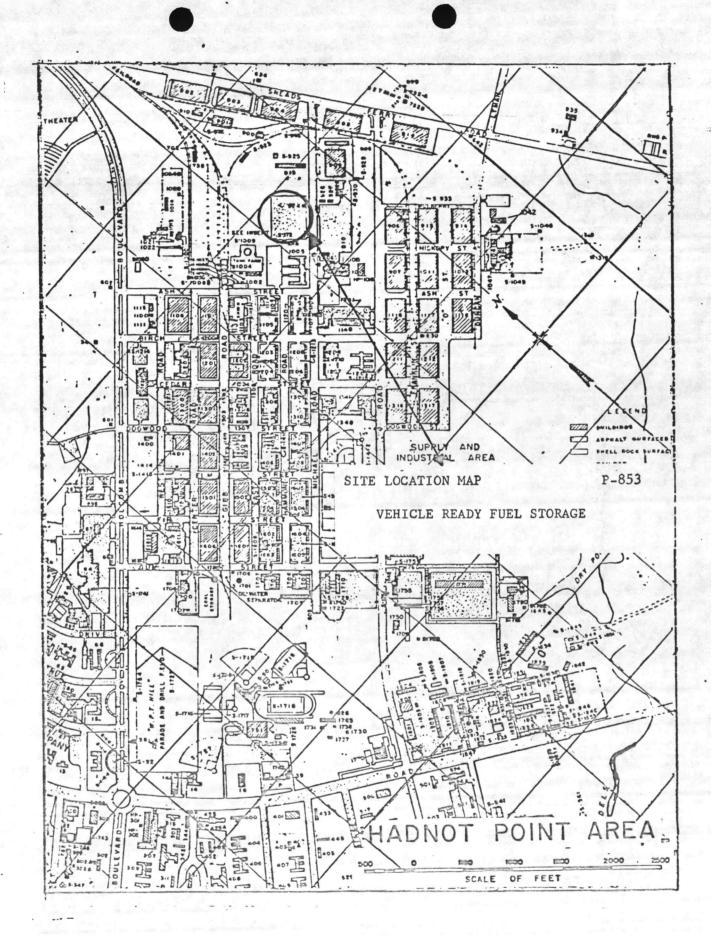




a. Gasoline/Diesel Fumes

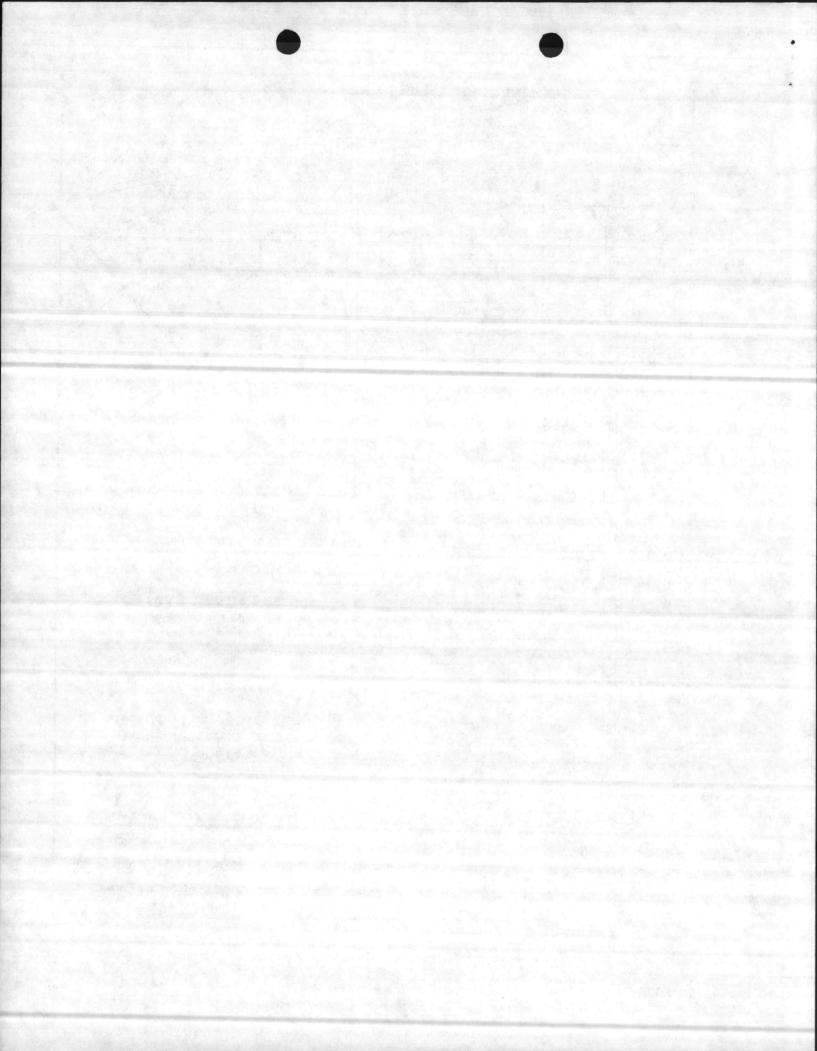
b. Fire





ENCL (1)

and the



Subj: FY-89 MILITARY CONSTRUCTION (MCON) PROGRAM FOR MARINE CORPS BASE, CAMP LEJEUNE, NC

<u>P-824</u>. Chapel (Tarawa Terrace), consisting of DD Form 1391, DD Form 1391c dtd 20 Feb 86 and Site Location Map
<u>P-852</u>, Child Care Center, consisting of DD Form 1391, DD Form 1391c dtd 20 Feb 86 and Site Location Map
<u>P-672</u>, Road Improvements (Brewster Boulevard Overpass), consisting of DD Form 1391, DD Form 1391c, dtd 20 Feb 86, Design Report with Cost Estimate NAVFAC Form 11013/7 and Site Location Map
<u>P-841</u>, Enlisted Dining Facility Addition, consisting of DD Form 1391c dtd 20 Feb 86 and Site Location Map
<u>P-853</u>, Fuel Storage Facility, consisting of DD Form 1391, DD Form 1391c dtd 20 Feb 86 and Site Location Map

2/14/86

1. Reference (a) provided detailed guidance in the formulation and submission of MCON programming. References (b) and (c) provided guidance concerning the subject program and a list of FY-89 projects that were relatively assured of funding in FY-88. References (b) and (c) also discussed the early submission of FY-89 program and reference (d) requested same.

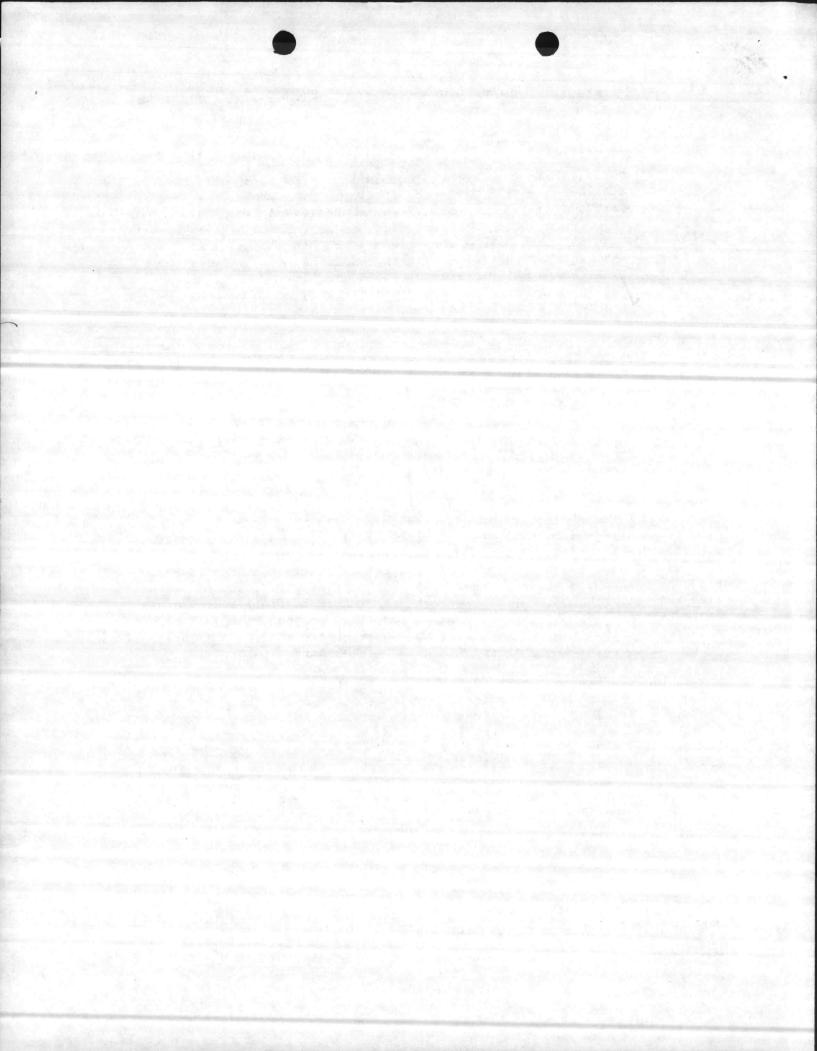
2. This submission provides developed projects for FY-89. Our program consists of nine FY-89 projects previously submitted and the resubmission of six FY-88 projects. In addition, there are two new projects P-870 and P-871 which are in support of the Marine Corps School of Infantry, located at Camp Geiger. These new projects were formulated in response to the task of developing a Corps-wide program for the formal training of enlisted infantry leaders as directed by CMC. Our program also includes a FY-89 project P-672, previously approved for design but not approved for construction. However, as a result of a pre-design study, this project is resubmitted for your review and consideration. Project P-672 combines the Brewster Boulevard Overpass with the extension of Brewster Boulevard to intersect Piney Green Road at State Highway 24E. A previously submitted FY-89 project P-410, Alternate Access Route, Piney Green Road will no longer be required. Subsequent increments of our five-year program will be submitted as directed.

3. Enclosure (1) submits NAVMC 10956, Summary for Correction of Facility Deficiencies, for FY-89 to reflect proper category code, title and cost; and enclosure (2) submits our FY-89 Program. In accordance with reference (a) thru (d) enclosures (1) and (2) are hereby submitted.

4. The Atlantic Division, Naval Facilities Engineering Command is requested to certify the cost of all projects to the Commander, Naval Facilities Engineering Command with copies to CMC and this Command.

Copy to: CMC (LFF) (advance) NAVFACENGCOM (advance) FMFLANT, Engr Div CG, 2dMARDIV CG, 2d FSSG R. A. TIEBOUT By direction

Blind copy to: FAC PMO (Project P-672 only) LOG (Project P-672, P-853 only) MAINT Area Com, MCSSS (Project P-810, P-052, P-828 only) Base Chaplain (Project P-824 only) 2 Area Com, CG (Project P-824 only) Field Medical School (Project P-828 only)



MARINE CO	FY	19_89MILITARY	CONSTRU	CTION I	PROJECT	DATA	2. DATE 1 Jul 1985
3. INSTALLA	TION AND	LOCATION					
MARINE CO	RPS BAS	E, CAMP LEJEUNE	, NORTH CA	ROLINA	28542		and the second second
4. PROJECT	TITLE	The second second	and the later		the post	5. PRO.	JECT NUMBER
VEHICLE	READY F	UEL STORAGE			•	100	P-853
11. <u>REQ</u>	UIREMEN'	<u>rs</u> :					
CAT	CODE		ADEQUATE	i	SUBSI	ANDAR	<u>D</u> .
124	-50	276,340 GA*	184,000	GA**	15	,000	GA***
	-10	56 OL	230			0	
123	-15	798 SF*	798	SF**		0	SF

<u>Project</u>: Construct a Vehicle Ready Fuel Storage Facility with a total storage capacity of 925,000 gallons. Project is to include a Filling Station with fuel dispensing capabilities and an administrative building for support of the fuel storage and filling station facilities. <u>Requirement</u>: The fuel storage facility is required for providing backup fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the central fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment which travel through the Industrial Area of the Base.

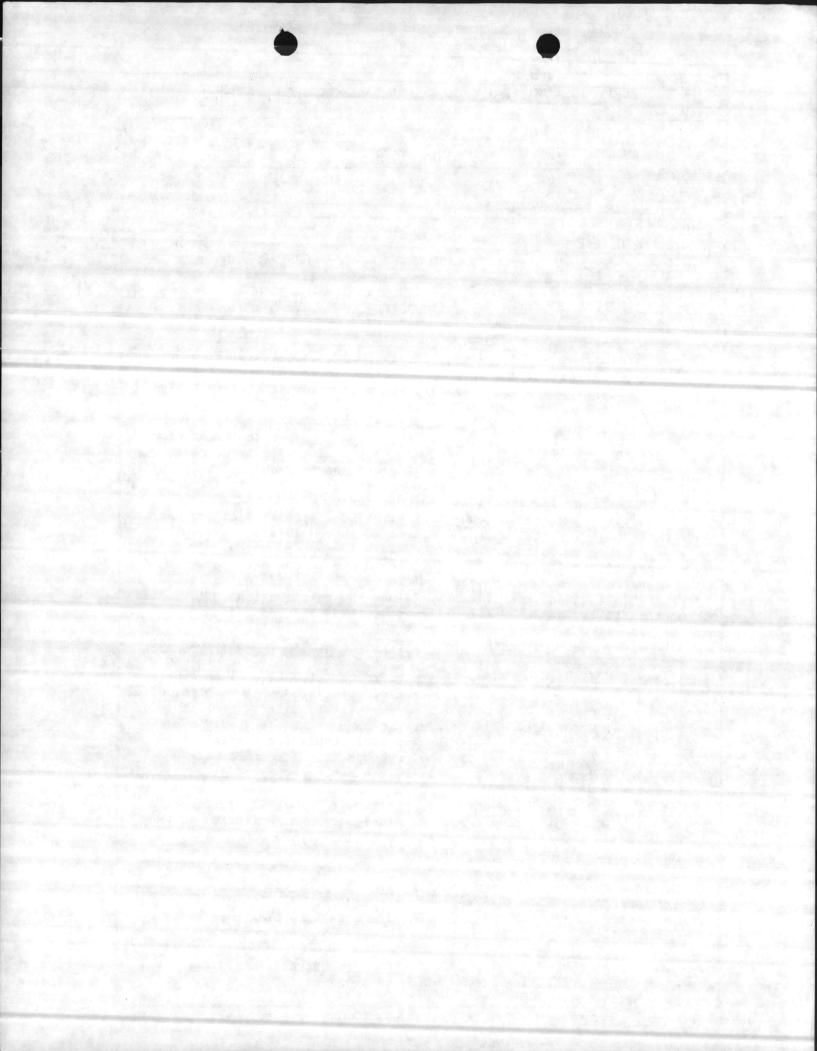
<u>Current Situation</u>: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and deemed it necessary to abandon several tanks. Since the construction in 1943, of these facilities, the number of military vehicles at Camp Lejeune has greatly increased; thus causing yearly fuel consumption levels to climb.

Camp Lejeune receives all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel 30 days in advance of the time of actual need. Due to potential emergency situations which would cause immediate mobilization of the Marine Corps, Camp Lejeune is required to have on hand a 30-day operational fuel supply plus a 30-day back up fuel supply for a total of 60 days fuel storage capacity. The fuel storage facility on Base is approaching the point where its mission can no longer be efficiently performed.

Impact if Not Provided: Maintenance and repair funds will continue to be utilized to maintain the inadequate fuel storage facilities. The lack of adequate fuel storage capacity will impair the combat readiness of the Base.

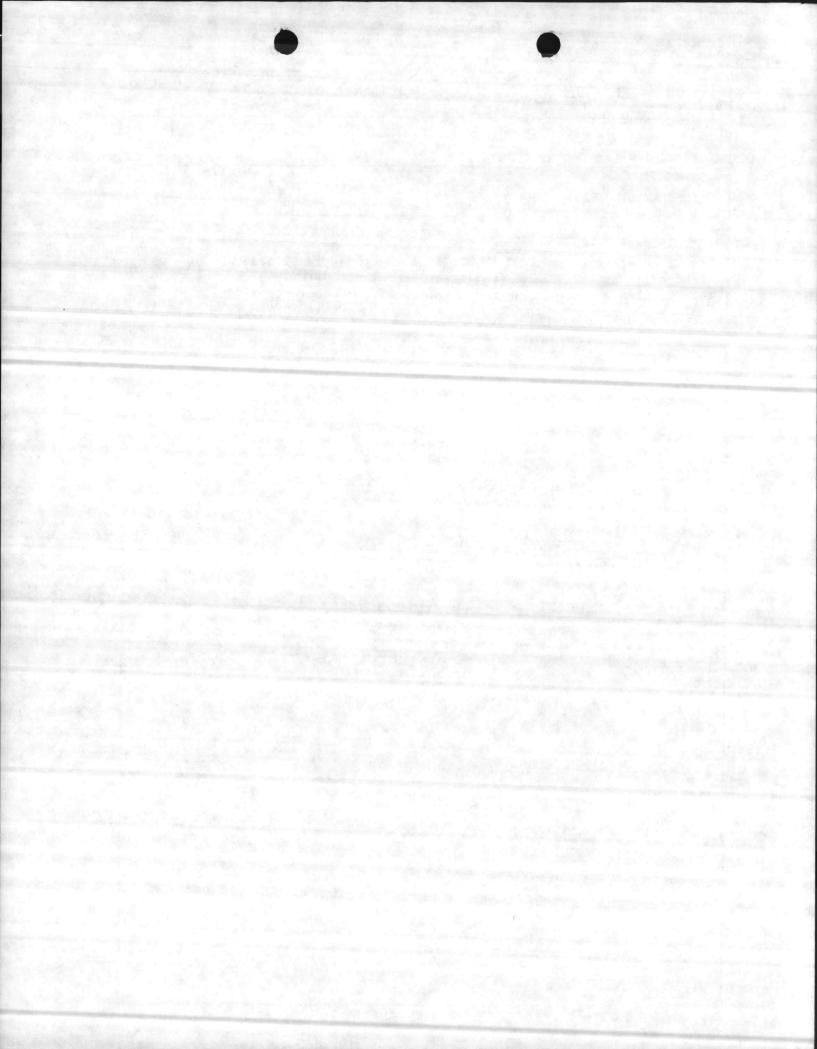
* The latest certified Basic Facility Requirement, for category codes 124-50 and 123-15, no longer reflects the true needs of the Base. Accordingly revised Basic Facility Requirements are being submitted for approval.

** The latest Form NAVMC 10651 indicates these facilities as adequate. However, these facilities (constructed in 1943) are badly deteriorated and are being redesignated as inadequate.



MARINE CORPS	1 Jul 85
3. INSTALLATION AND LOCATION	
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
MARINE CORES DADE, CAM DESECTE, NORTH CHICOLINA 20042	
4. PROJECT TITLE	5. PROJECT NUMBER

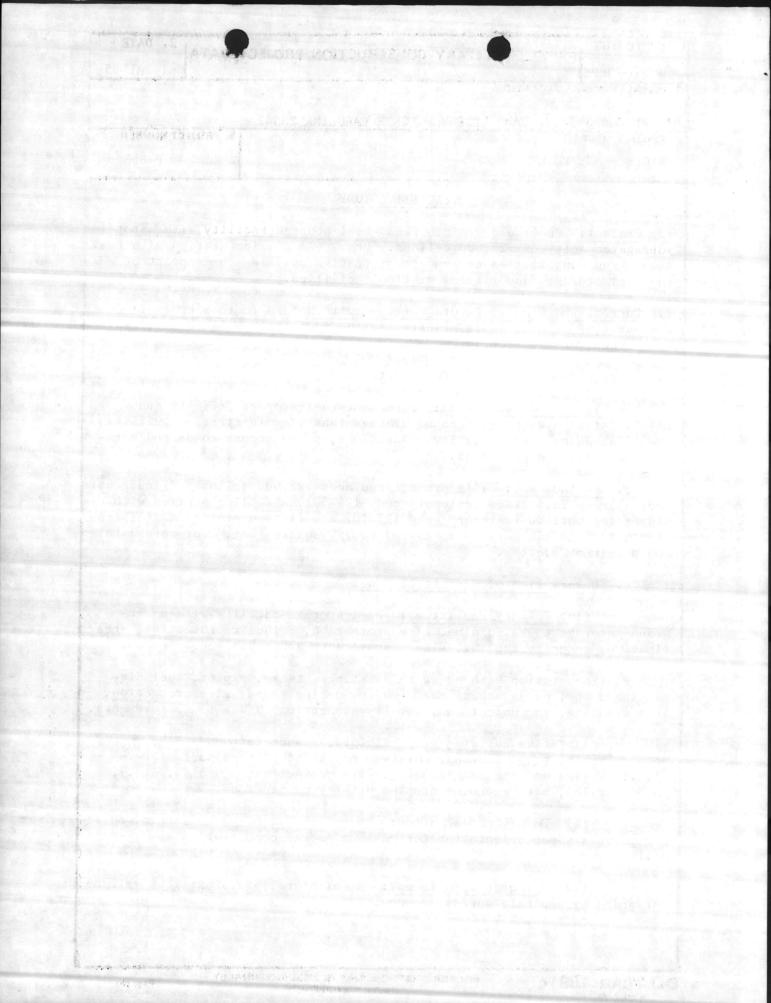
*** The latest Form NAVMC 10651 indicates these facilities as substandard. However, these facilities (constructed in 1943) are badly deteriorated and are being redesignated as inadequate facilities.



LITARY CONSTRUCTION	PROJECTOATA 2. DATE
MARINE CORPS 3. INSTALLATION AND LOCATION	1 341 03
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA	295/2
A. PROJECT TITLE	5. PROJECT NUMBER
VEHICLE READY FUEL STORAGE	P-853
FACILITY STUDY	
1. <u>Project</u> : Provide a Vehicle Ready Fuel Sto storage capacity of 925,000 gallons. Provide dispensing capabilities and an administrative the fuel storage and filling station faciliti	a filling station with fuel building for support of
2. <u>Current and Planned Future Workload with R</u> The duration of need is indefinite and the fac 100 percent of the time.	Regard to this Project: ilities will be utilized
3. Description of Proposed Construction:	
a. <u>Type of Construction</u> : Permanent fuel filling station with underground storage tanks fuel dispensing pumps, utility connections, pa ing and utility connections.	, administrative building,
b. <u>Replacement</u> : This project replaces 7 fuel storage facilities (category code 124-50) dispensing outlets (category code 123-10) and tive building (category code 123-15) of 798 so see paragraph 3.c.(4).), a filling station with filling station administra-
c. Description of Work to be Done:	
(1) <u>Primary Facilities</u> : Fuel stors ground storage tanks, piping, fire protection, lighting, security fencing, site improvements	, cathodic protection, area
Filling station with underground storage pensing pumps, paved access roads and refuelin area lighting, communications, utility connect	ng areas, fire protection,
Administrative building with reinforced of masonry walls, steel framing, built-up roof, i (i.e.: heating and air conditioning, fire prot paved parking, site improvements and utility of	interior support systems tection, plumbing, etc.),
(2) Energy Conservation: Energy en ing materials and orientation for maximum energy	fficient equipment and build rgy conservation will be

(3) <u>Collateral Equipment</u>: A collateral equipment list will be forwarded by separate correspondence.

utilized.



MARINE CORPS FY MILITARY CONSTRUCTION PROCEC	T DATA	2. DATE 1 Jul 85
3. INSTALLATION AND LOCATION		
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		•
4. PROJECT TITLE	5. PROJE	CT NUMBER
VEHICLE READY FUEL STORAGE		P-853

c. Description of Work to be Done: (continued)

(4) <u>Supporting Facilities</u>: Underground fuel storage tanks, piping, cathodic protection, fire protection, fuel dispensing pumps, utility connections, paved access roads and refueling areas, pollution abatement and site improvements. Facilities to be demolished by this project are as follows:

Bldg #	Date Const.	Туре	<u>U/M</u>	Use Cat Code	Condition	
s-1009	1943	Р	600,000 GA	124-50	*Adequate	
S-1023	1943		12,000 GA	11	н	
S-1024	1943	.11	15,000 GA		н	
S-1025	1943	11	12,000 GA		11	
S-1026	1943	11	15,000 GA			
S-1027	1943	11	15,000 GA		11	
S-1028	1943	11	15,000 GA		11	
S-1029	1943	**	15,000 GA		11	
S-1030	1943	11	12,000 GA		11	
S-1031	1943	11	15,000 GA		11	
S-1032	1943	11	12,000 GA		11	
S-1033	1943	11	12,000 GA		н.	
S-1034	1943	11	12,000 GA		11	
S-1035	1943	11	15,000 GA		11	
S-1036	1943	11	15,000 GA		11	
1002	1942	P	798 SF		11	
S-1037	1943	11	1 OL		11	
S-1038	1972	11	132 SF			
S-1039	1943	11	132 SF		11	
S-1040	1948		36 SF			
S-1056	1948		36 SF			

*The latest Form NAVMC 10651, indicates these facilities are adequate However, these facilities are badly deteriorated and are being redesignated as inadequate.

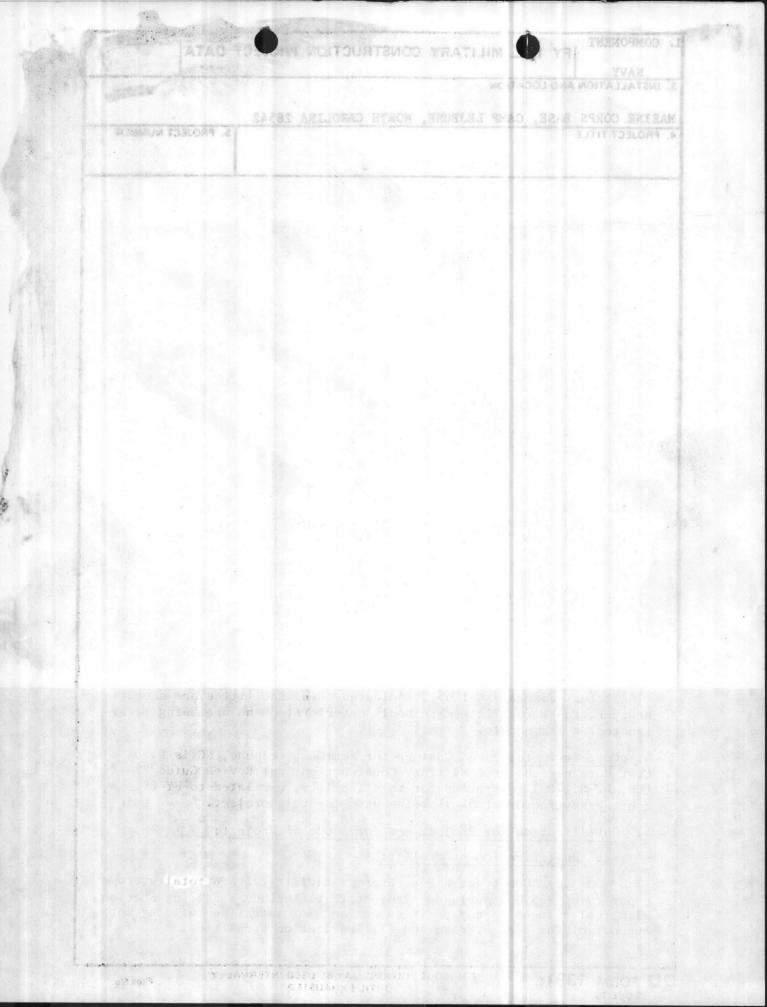
4. <u>Cost Estimate</u>: Area Cost Factor for Camp Lejeune, NC is 0.95. Cost data derived from Military Construction Cost Review Guide FY-82 (DOD 4270.1-CG) to provide for this facility, escalated to FY-89. A contingency factor of 5% is being used for this project.

5. Justification for Project and for Scope of Project:

a. Justification of Project:

(1) Construct a Fuel Storage facility with a total storage capacity of 925,000 gallons. Project is to include a Filling Station with fuel dispensing capabilities and an Administrative building for support of the Fuel Storage and Filling Station facilities.

DD FORM 1391c



1. COMPONENT MARINE CORPS	FY 19 89 MILITARY CONSTRUCTION PROJECT DATA	2. DATE A 1 Jul 85
3. INSTALLATION A MARINE CORPS E	ND LOCATION BASE, CAMP LEJEUNE, NORTH CAROLINA 28542	
4. PROJECT TITLE VEHICLE READY	and the second	roject number •853

5. Justification for Project and for Scope of Project: (continued)

(2) <u>Requirement</u>: The fuel storage facility is required to provide back up fuel for all Government owned or leased vehicles and equipment at Camp Lejeune. The facility will be the fuel distribution and receiving point for the Base. A filling station is required to establish a main refueling point for all Government vehicles and equipment traveling through the Industrial Area of the Base.

(3) <u>Current Situation</u>: Camp Lejeune's existing fuel storage facility and its related filling station was constructed in the 1943 era. Maintenance and repair funds are continuously being spent on these facilities due to deteriorated conditions. Fuel leaks due to the deterioration of the underground tanks has caused soil contamination and it was deemed necessary to abandon several tanks.

Since the construction (1943) of these facilities, the number of military vehicles at Camp Lejeune has greatly increased, thus causing yearly fuel consumption levels to soar.

Camp Lejeune receives all its fuel requirements from a commercial fuel depot located approximately 125 miles from the Base. Contractual procurement and delivery agreements require that the Base place orders for fuel 30 days in advance of the time of actual need. Due to potential emergency situations causing immediate mobilization of the Marine Corps, the Base is required to have on hand a 30 day operational fuel supply plus a 30 day back up fuel supply for a total of 60 day fuel storage capacity.

The fuel storage facility at Camp Lejeune is approaching the point where its mission can no longer be efficiently performed.

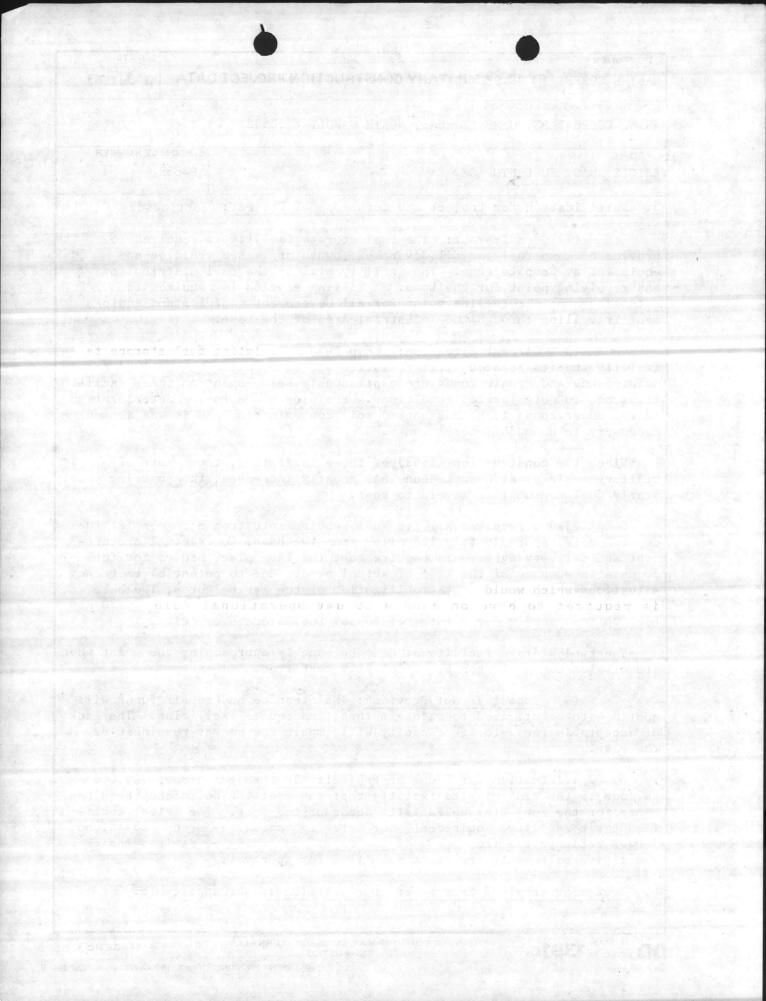
(4) <u>Impact If Not Provided</u>: Maintenance and repair funds will continue to be utilized to maintain these inadequate facilities. The lack of acceptable fuel storage capacity will impair the combat readiness of the Base.

b. Justification for Scope of Project: The project scope, 925,000 gallons, is the minimum size facility that can meet the deficiency requirements for the Fuel Storage Facility needs of the Base. The latest certified Basic Facility Requirement, for category codes 124-50 and 123-15, no longer reflects the true needs of the Base. Accordingly, revised Basic Facility Requirements are being submitted for approval.

6. Equipment Provided from Other Appropriations: Not applicable.

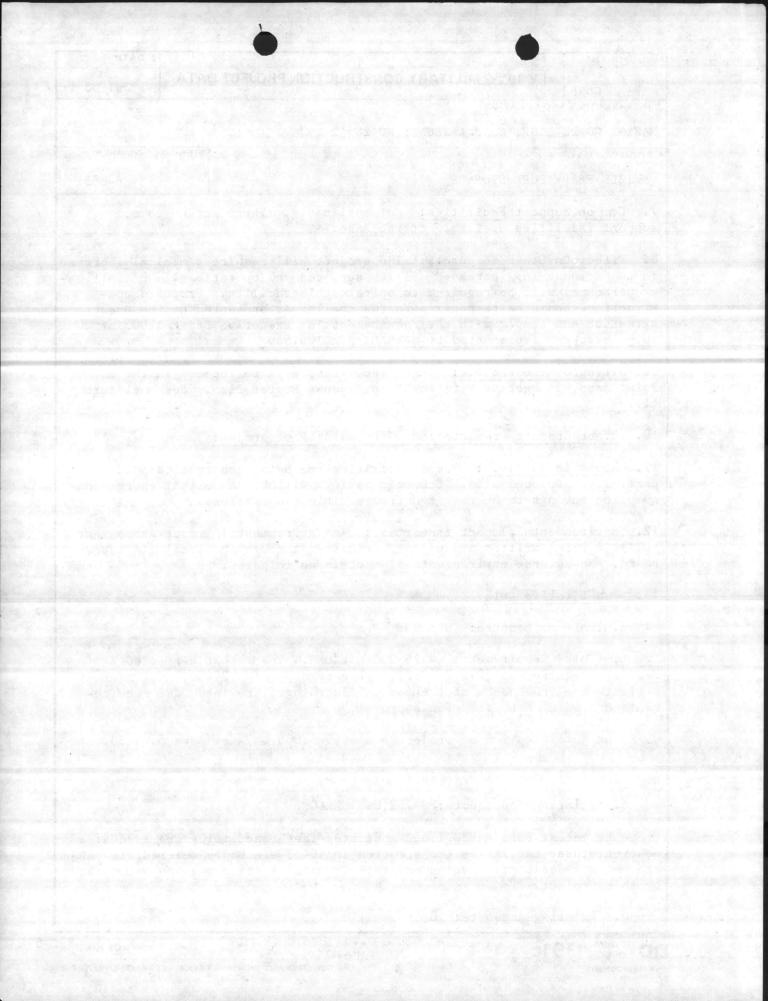
DD 1 DEC 76 1391c

*U.S. GOVERNMENT PRINTING OFFICE: 1979-603-076/7127 2-1



. COMPONENT		2. DATE
MARINE CORPS	CTION PROJECT DATA	1 Jul 85
INSTALLATION AND LOCATION	and the second	1.000
MARINE CORPS BASE, CAMP LEJEUNE, NC 28542	2	
PROJECT TITLE	5. PROJ	ECT NUMBER
VEHICLE READY FUEL STORAGE		P -853
7. <u>Common Support Facilities</u> : Not appli support facilities available at the Base.		common
8. Effect On Other Resources: The project in O&MMC funds for increased utility served al personnel will be required to operate struction should be responsive to the char situation and comply with the requirement July 1977, and implemented by NAVFACINST 9. Siting of the Project: These facilit	vices and operations. this facility. Propo allenges presented by ts of Executive Order 4100.5A.	No additic osed con- the energy 12003 of 20
Point Area, in keeping with the Camp Leje (1).	eune Master Plan. See	e enclosure
10. Other Graphic Presentations, includi	ing Photographs: None	
11. Economic Analysis: These facilities partially developed site. Economic savin sumption savings to be realized from effi	ngs will be in nominal	d on a . energy cor
12. Environmental Impact Assessment: An (EIA) is being written and will be proces Board. No adverse environmental impact i	sed through the local	Assessment EIA Review
13. Quantitative Data:		
a. Unit of Measure: GALLONS		
b. Total Requirement: *925,000 GALL Facility Requirement (276,340 SF), for ca reflects the true needs of the Base. Acc ments are being submitted for approval.	tegory code 124-50, n	o longer
*For justification of project scope (925,000 GA) see para	5.b.(3).
c. Existing Substandard: 0		
d. Existing Inadequate: *792,000 GA	LLONS	
*The latest Form NAVMC 10651 indicate However, these facilities (constructed in are being redesignated as inadequate. Th by this project.	1943) are badly dete	riorated an
e. Existing Adequate: 0		

5



1. COMPONENT		2. DATE
MARINE CORPS	FY 19_89 MILITARY CONSTRUCTION PROJECT DATA	1 Jul 85
INSTALLATION A	ND LOCATION	Select Alego
MARINE CORPS	BASE, CAMP LEJEUNE, NC	
PROJECT TITLE		JECT NUMBER
VEHICLE REAL	DY FUEL STORAGE	P-853
13. Quantit	cative Data: (cont'd)	
f. Othe	er Assets, Not in Inventory: 0	an a
g. Fund	led, Not in Inventory: 0	
h. Adec	uate Assets: (e + F + g) = 0	
i. Defi	<pre>iciency: (b - h) = 925,000 GALLONS</pre>	
14. Mainter	nance Facility: Not applicable.	
15. Morale,	Welfare and Recreation Facilities: Not applicat	ole.
16. Relocat	tion Facilities: Not applicable.	
17. Storage	Facilities: Not applicable.	
will be a fu	Identification, Assessment and Analysis: Propose all storage facility and a filling station. The facardous conditions will be considered during the	following
	oline/Diesel Fumes	

b. Fire

