

# 琉球大学学術リポジトリ

## 東アジア多国間安全保障枠組創出のための研究—米軍プレゼンスの態様—

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## **F. CAPITAL IMPROVEMENTS PLAN**

The Capital Improvements Plan (CIP) provides a link between the mid- to long-range plan presented in the previous chapter, and the individual projects already programmed for construction over the next two years. While the proposed land use map is intended to be a planning tool leading to optimum facility development, the CIP focuses more on projects that are considered critical by the activity and its chain of command, and which appear viable for funding within the mid-range time period of three (3) to seven (7) years.

The five-year CIP is subject to updates and revisions as necessary. It is anticipated that the activity will periodically initiate changes as priorities change and projects are authorized, funded and constructed.

### **1. CIP Project Siting Objectives**

The formulation of projects for inclusion in the CIP is based on requirements as determined in the Facilities Requirements Plan Summary (FRPS). Project form and location are based on the planning concepts and proposed land use pattern presented in the previous chapter, and on the following siting objectives:

- Maintain compatibility between adjacent land uses.
- Minimize environmental impacts by preserving areas with highly valued environmental or cultural resources.
- Retain as much land area as possible for future operational requirements/expansion, while providing adequate sites for meeting current mission requirements.
- Consolidate related functions and facilities, where feasible, to improve efficiency.
- Avoid "domino" construction by siting planned facilities on vacant sites or in areas occupied by facilities which are likely to be demolished by the time planned projects are funded.

### **2. Development Plan**

A site development plan has been prepared to show the approximate size, location and orientation of all proposed facilities which require siting, and their relationship to existing structures (Figure F-1).

Ref.  
**No. Project No. Project Title**

**PROGRAMMED PROJECTS**

1	MC-215	Bachelor Officers Quarters (O2 & Below)
2	NA-252	Medical Clinic
3	MC-269	Aircraft Parking Apron Upgrade (Phase I)
4	MC-273	Central Guardhouse
5	MC-287	Bachelor Officers Quarters (O3 & Above)
6	MC-299	Bachelor Enlisted Quarters (SNCO)
7	MC-221	Auto Vehicle Maintenance Shop
8	MC-309	Mobile Van Maintenance Facility (Phase I)
9	MC-305	Aircraft Parking Apron Upgrade (Phase II)
10	MC-320	Aircraft Compass Calibration Pad
11	MC-321	Physical Fitness Center
12	MC-326	Gas Station
13	MC-332	Ground Support Equipment Shop
14	MC-333	Electrical Distribution Upgrade (Phase I)
15	NA-460	Navy Calibration Lab
16	MC-378	Electrical Distribution Upgrade (Phase II)
17	MC-348	Aircraft Parking Apron Upgrade & Expansion (Phase III)
18	MC-347	Mobile Van Maintenance Facility (Phase II)
19	MC-368	MAG-36 Group Headquarters
20	MC-370	HMM Squadron Aircraft Maintenance Hangar
21	MC-216	Control Tower/ROF
22	MC-379	Wing/Squadron Headquarters & Helicopter Landing Pad

**PROPOSED MID-RANGE PROJECTS**

23	MC-XX1	MATCS-18 Mobile Van Pad
24	MC-XX2	Aircraft Parking Apron Upgrade & Expansion (Phase IV)
25	MC-XX3	Runway 24 Approach Lights & Runway 6 Paved Overrun
26	MC-XX4	Academic Instr., Moving Target Simulator & Battery HQ Bldg.
27	MC-XX5	Comm/Elec. Maintenance Shop & Organic Unit Storage
28	MC-XX6	Aviation Support Maintenance Shop
29	MC-XX7	Potable Water Storage Tank
30	MC-XX8	MAGS-4 Comm/Elec. Maintenance Shop
31	MC-XX9	HMM Squadron Maintenance Hangar
32	MC-X10	Turner Road Extension

Map  
 Ref.  
**No. Project No. Project Title**

33	MC-X11	Gate 4E Access Road Upgrade
34	MC-X12	Flight Line Security Fence & Patrol Road
35	MC-X13	MAGS-4 Squadron Headquarters & Tactical Air Operations Center
36	MC-X14	MACG-18 Admin. & H&HS-18 Comm/Elec. Maintenance Shop
37	MC-X15	Hazardous/Flammable Materials Storehouse
38	MC-X16	MATCS-18 Operations, Comm/Elec. Maintenance Shop, & Detachment Headquarters Building
39	MC-X17	Aircraft Full Motion Simulators Building
40	MC-X18	Outdoor Recreation Complex (Pavilion, 1 Baseball & 3 Softball Fields)
41	MC-X19	Consolidated Unit Storage Warehouse
42	MC-X20	Outdoor Recreation Complex [Swimming Pool, Bathhouse, 4 Outdoor Playing Courts (1 Tennis, 2 Basketball & 1 Volleyball) & 3 Softball Fields]
43	MC-X21	BOQ (O3 & above)
44	MC-X22	Vehicle Holding Shed & Wash Platforms
45	MC-X23	Consolidated Unit Storage Warehouse
46	MC-X24	Communications Control Link Building & Antenna Station Facility Maintenance Shop (Shop & Storage Space; Vehicle Wash Platform & Motor-T Parking Lot)
47	MC-X25	
48	MC-X26	Combat Training Pool & Locker Room
49	MC-X27	Helicopter Landing Pad Upgrade
50	MC-X28	Arts & Crafts Hobby Shop
51	MC-X29	Outdoor Playing Courts-2 Basketball & 1 Volleyball
52	MC-X30	Outdoor Playing Courts-2 Basketball & 1 Volleyball

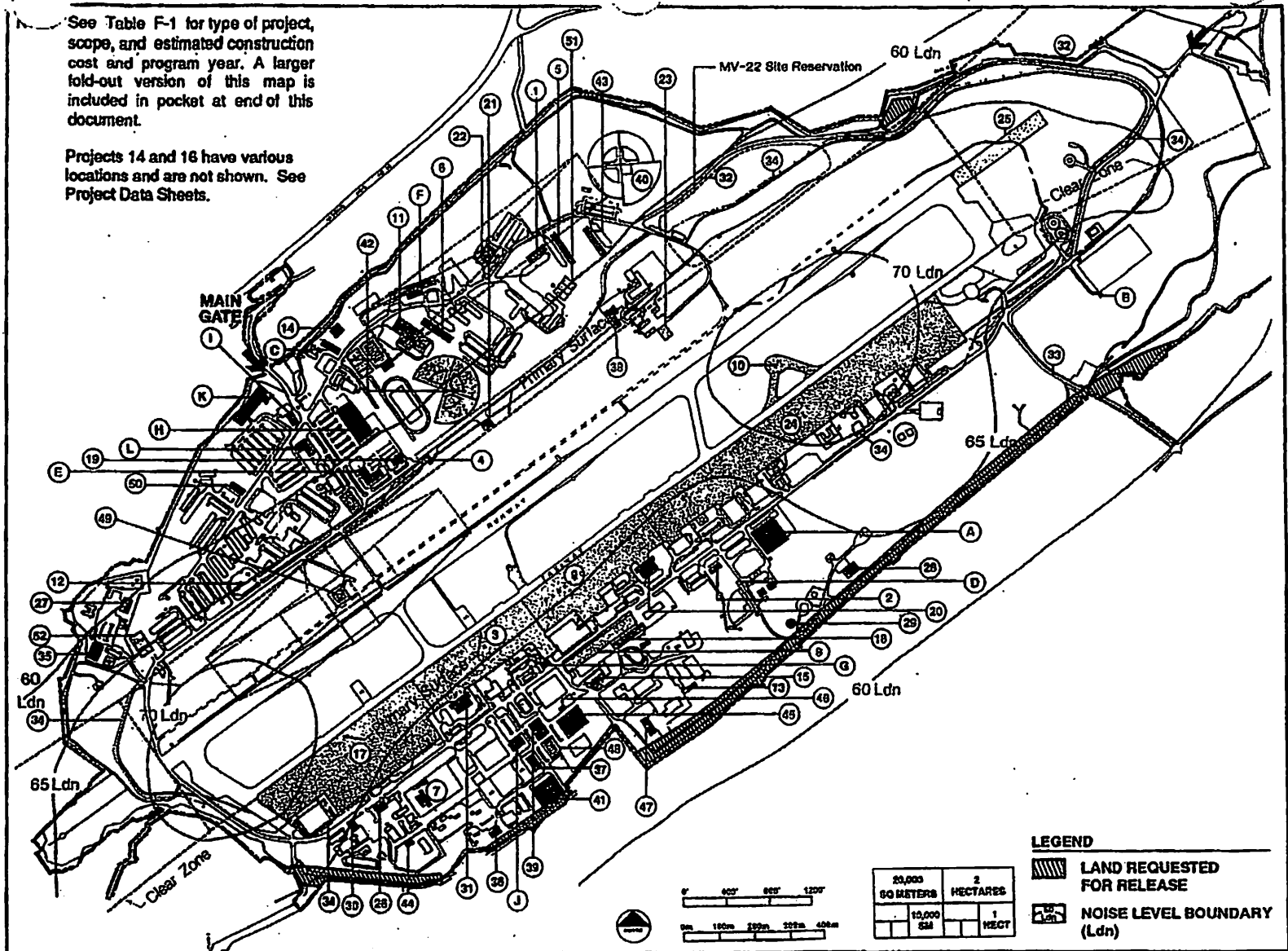
**PROPOSED LONG-RANGE PROJECTS**

A	Station Property Warehouse & Locker Room
B	Gas Chamber
C	Community Support Center
D	POL Operations, Sampling & Test Building
E	Station HQ, Legal Services & Communications Center
F	Officers/SNCO Club
G	Enlisted Dining Facility Annex
H	Community Services Center
I	Provost Marshal's Office
J	Academic & Applied Instruction Building
K	Enlisted Personnel Service Club
L	Educational Services/Library Complex

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See Table F-1 for type of project, scope, and estimated construction cost and program year. A larger fold-out version of this map is included in pocket at end of this document.

Projects 14 and 16 have various locations and are not shown. See Project Data Sheets.



MCAS-FUTENMA MASTER PLAN

DEVELOPMENT PLAN

FIGURE F-1

(Projects involving utility system improvements are not shown.) They are keyed to the list of projects presented in Table F-1. Programmed (short-range) projects and proposed mid-range projects are indicated by a map reference number, and proposed long-range projects by a letter, on Figure F-1. In addition to Figure F-1, large size black-line and color copies of the Development Plan are provided in an inset pocket inside the back cover of this report.

The basis for the projects lists contained in this Master Plan is a list of proposed projects which was developed in consultation with activity representatives during an on-site visit in February 1991. These initial project proposals are described in the final brief (Appendix G-1). Subsequent discussions and analysis have in some cases led to a refinement in the project scope. Up-to-date descriptions of the projects are provided in the sections below.

### 3. Projects Lists

Included in the Projects List (Table F-1) are the MCAS Futenma JFY 90/91 projects which were not completed by March 1992, the JFIP programmed projects for 1992 and 1993, and all proposed mid-range projects,

along with their scope, estimated construction cost and funding year. Proposed long-range projects are also listed, but specifics concerning their scope, cost, and program year have not been developed.

#### a. JFY 90/91 Projects

Projects which are programmed and funded for JFY 90/91, but which were not completed by March 1992, are briefly described below. The "Project \_\_\_" numbers used below are the map reference numbers as shown on the Development Plan (Figure F-1 and the full-size copies inside the back cover).

##### *Project 1 -- Bachelor Officers Quarters (MC-215)*

This project will replace existing inadequate quarters for unaccompanied officers between grades W-1 and O-2. The site is vacant and near the Officers Club and other BOQs.

##### *Project 2 -- Medical Clinic (NA-252)*

The existing clinic is in a badly deteriorated building that was not originally built for this use. It is also on the opposite side of the airfield from the operations areas, where most of the personnel who will use the clinic

Table F-1: Projects List for MCAS Futenma

Map Ref. No.	Project No.	Title	Scope	UM	Cost (\$000)	Program Year
1	MC-215	Bachelor Officers Quarters (O-2 and Below) (60 PN)	60	RM	2,822	90
2	NA-252	Medical Clinic	15,800	SF	2,819	90
3	MC-269	Aircraft Parking Apron Upgrade (Phase I)	54,600	SY	2,854	91
4	MC-273	Central Guardhouse	1,600	SF	360	91
5	MC-287	Bachelor Officers Quarters (O-3 & Above) (74 PN)	74	RM	4,700	91
6	MC-299	Bachelor Enlisted Quarters (SNCO) (98 PN)	196	RM	6,100	91
7	MC-221	Auto Vehicle Maintenance Shop	11,400	SF	1,585	91
8	MC-309	Mobile Van Maintenance Facility (Phase I)	7,600	SY	2,186	92
9	MC-305	Aircraft Parking Apron Upgrade (Phase II)	60,300	SY	7,572	92
10	MC-320	Aircraft Compass Calibration Pad	6,200	SY	275	92
11	MC-321	Physical Fitness Center	42,100	SF	4,801	92
12	MC-326	Gas Station	660	SF	107	92
13	MC-332	Ground Support Equipment Shop	4,100	SF	432	92
14	MC-333	Electrical Distribution Upgrade (Phase I)	23,600	LF	5,851	92
15	NA-450	Navy Calibration Lab	9,200	SF	1,352	92
16	MC-378	Electrical Distribution Upgrade (Phase II)	33,600	LF	5,223	93
17	MC-348	Aircraft Parking Apron Upgrade and Expansion (Phase III)	97,600	SY	11,225	93
18	MC-347	Mobile Van Maintenance Facility (Phase II)	17,800	SF	2,369	93
19	MC-368	MAG-36 Group Headquarters	17,600	SF	2,155	93
20	MC-370	HMM Squadron Aircraft Maintenance Hangar	38,800	SF	5,493	93
21	MC-216	Control Tower/ROF	4,700	SF	980	93
22	MC-379	Wing/Squadron Headquarters and Helicopter Landing Pad	66,200 1	SF EA	7,701	93

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**Table F-1: Projects List for MCAS Futenma**

Map Ref. No.	Project No.	Title	Scope	UM	Cost (\$000)	Program Year
23	MC-XX1	MATCS-18 Mobile Van Pad	1,000	SY	100	94*
24	MC-XX2	Aircraft Parking Apron Upgrade and Expansion (Phase IV)	165,400	SY	20,800	94*
25	MC-XX3	Runway 24 Approach Lights and Runway 6 Paved Overrun	16,700	SY	935	94*
26	MC-XX4	Academic Instr., Moving Target Simulator and Battery HQ Bldg.	12,300	SF	2,500	95*
27	MC-XX5	Comm./Elec. Maintenance Shop and Organic Unit Storage	11,500	SF	1,900	95*
28	MC-XX6	Aviation Support Maintenance Shop	10,300	SF	1,950	95*
29	MC-XX7	Potable Water Storage Tank	500,000	GA	527	95*
30	MC-XX8	MACS-4 Comm./Elec. Maintenance Shop	6,000	SF	1,150	95*
31	MC-XX9	HMM Squadron Aircraft Maintenance Hangar	38,800	SF	5,839	96*
32	MC-X10	Turner Road Extension	19,400	SY	970	96*
33	MC-X11	Gate 4E Access Road Upgrade	2,600	SY	130	96*
34	MC-X12	Flight Line Security Fence and Patrol Road	28,000	LF	1,255	96*
35	MC-X13	MACS-4 Squadron Headquarters and Tactical Air Operations Center	7,100	SF	1,590	97*
36	MC-X14	MACG-18 Admin. & H&HS-18 Comm./Elec. Maintenance Shop	7,500	SF	1,450	97*
37	MC-X15	Hazardous/Flammable Materials Storehouse	12,300	SF	2,360	97*
38	MC-X16	MATCS Operations, Comm./Elec. Maint. Shop., & Det. HQ	14,100	SF	4,056	97*
39	MC-X17	Aircraft Full Motion Simulators Building	18,000	SF	4,750	98*
40	MC-X18	Outdoor Recreation Complex (Pavilion, 1 Baseball and 3 Softball Fields)	2,700 4	SF EA	722	98*
41	MC-X19	Consolidated Unit Storage Warehouse	50,000	SF	6,700	98*
42	MC-X20	Outdoor Recreation Complex [Swimming Pool, Bathhouse, 4 Outdoor Playing Courts (1 tennis, 2 basketball, and 1 volleyball), and 3 Softball Fields]	50 7,800 7	M SF EA	3,140	98*

\*Preliminary determination by Public Works Office, MCB Camp S.D. Butler, as of 23 October 1991.

Table F-1: Projects List for MCAS Futenma

Map Ref. No.	Project No.	Title	Scope	UM	Cost (\$000)	Program Year
43	MC-X21	BOQ (O-3 and Above) (98 PN)	98	RM		UP
44	MC-X22	Vehicle Holding Shed and Wash Platforms	2,100	SF		UP
			2	EA		
45	MC-X23	Consolidated Unit Storage Warehouse	50,000	SF		UP
46	MC-X24	Communications Control Link Building and Antenna	170	SF		UP
			1	EA		
47	MC-X25	Station Facility Maintenance Shop (Shop and Storage Space, Vehicle Wash Platform, and Motor-T Parking Lot)	9,400	SF		UP
			1	EA		
			3,100	SY		
48	MC-X26	Combat Training Pool and Locker Room	17,500	SF		UP
49	MC-X27	Helicopter Landing Pad Upgrade	1,100	SY		UP
50	MC-X28	Arts and Crafts Hobby Shop	8,100	SF		UP
51	MC-X29	Outdoor Playing Courts - 2 basketball and 1 volleyball	3	EA		UP
52	MC-X30	Outdoor Playing Courts - 2 basketball and 1 volleyball	3	EA		UP
A		Station Property Warehouse and Locker Room				
B		Gas Chamber				
C		Community Support Center				
D		POL Operations, Sampling and Test Building				
E		Station Headquarters, Legal Services & Communications Center				
F		Officers/SNCO Club				
G		Enlisted Dining Facility Annex				
H		Community Services Center				
I		Provost Marshal's Office				
J		Academic and Applied Instruction Building				
K		Enlisted Personnel Service Club				
L		Educational Services/Library Complex				

UP=Unprogrammed



during normal duty hours are located. Helicopter medical evacuation operations will utilize the runway. The project site is vacant and adjacent to the Dental Clinic.

***Project 3 -- Aircraft Parking Apron Upgrade (Phase I)  
(MC-269)***

Deteriorating conditions due to many years of heavy usage and excessive loading from most current aircraft necessitate the upgrading of the entire access and parking apron. The addition of a second HMM Squadron will also require the apron's expansion. To maintain airfield operations, this upgrade and expansion will be done in four phases. The first phase involves the area between Hangars 503 and 505.

***Project 4 -- Central Guardhouse (MC-273)***

This facility is needed to secure and protect the airfield and supporting facilities from internal terrorist threat, theft, vandalism, and sabotage. The site is vacant and located close to the flightline in order to allow personnel to visually monitor all activities on the flightline and respond rapidly to any incident.

***Project 5 -- Bachelor Officers Quarters (MC-287)***

This facility will replace existing inadequate quarters for unaccompanied officers at grades O-3 and above. The site is vacant, next to other existing and planned officers quarters, and near the Officers Club.

***Project 6 -- Bachelor Enlisted Quarters (MC-299)***

This facility is for E-6/E-9 bachelor enlisted personnel. It will replace existing open bay, non-air conditioned BEQ's which do not meet current DOD criteria. The site is adjacent to existing BEQs and the programmed Physical Fitness Center (MC-321).

***Project 7 -- Auto Vehicle Maintenance Shop (MC-221)***

Currently, vehicle maintenance functions for the Marine Air Control Group-18 (MACG-18) are divided into independent operations for each squadron. Many of these operations are split between two or more buildings some of which were not built to house this function. In one case, the maintenance facility is about two miles from the squadron compound.

This project will provide a consolidated maintenance facility for the MACG-18 units which now have substandard facilities. The site is vacant and centrally

located. Adequate facilities for vehicle maintenance will then be available to all squadrons in the group, and operational efficiency will be greatly improved.

b. JFY 92/93 and Proposed Mid-Range Projects

Project Data Sheets (PDS) are provided in the last section of this chapter for the 15 projects that are already programmed JFY 92 and JFY 93, and for 20 proposed mid-range (3-7 year) projects that are candidates for JFY 94 through JFY 98 funding. Each PDS provides detailed information on project need, scope, cost, and siting rationale.

It should be noted that the project funding years presented in this Master Plan are only preliminary and approximate determinations. Changes should be anticipated and will most likely occur as a result of further analyses and/or changes in conditions that take place following the publication of this document.

c. Potential Additional Mid-Range Projects

Briefly described below are ten proposed projects which are potential additional (or alternate) candidates for funding in the 3 to 7 year mid-range time frame.

*Project 43 -- Bachelor Officers Quarters (O-3 & Above)*

This project is proposed to meet the deficiency that will remain following completion of two programmed BOQs. The site is vacant and near the Officers Club and other BOQs.

*Project 44 -- Vehicle Holding Shed & Wash Platforms*

This project is proposed for a vacant site within 1st LAAD's existing compound. It would fulfill the unit's remaining requirements for vehicle-related maintenance facilities. The proposed site is immediately adjacent to the recently completed vehicle maintenance shop.

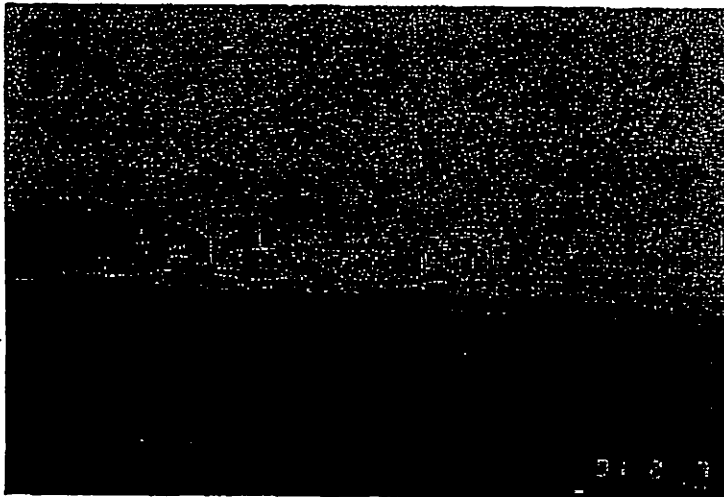
*Project 45 -- Consolidated Unit Storage Warehouse*

The existing deficiency in consolidated unit storage space is well over 100,000 SF. About 60 percent of this total is scattered in substandard and inadequate facilities, and the remainder does not exist.

A new central warehouse containing about 50,000 SF of space is proposed to eliminate approximately one-half of this deficiency. The site is centrally located in the same general area as two recently completed warehouse structures (Buildings 682 and 683).



A Consolidated Unit Storage Warehouse



Future Medical Clinic Site

Locating this facility on this site would also help to define the Air Station's perimeter and prevent future encroachment.

*Project 46 -- Communications Control Link & Antenna*

The existing control tower does not have a direct line of sight to Kadena AFB, thus the need for a comm-link tower nearby at a higher elevation. Both the tower and trailer housing the equipment are substandard and need to be replaced.

*Project 47 -- Station Facility Maintenance Shop and Storage*

This project would address multiple deficiencies in station maintenance facilities by providing additional shop maintenance space (9,400 SF), a parking area for 50 vehicles (25,000 SF) and one vehicle wash platform. Vacant land adjacent to the existing shop building would be used. Use of this site would also help to better define the Air Station's perimeter.

*Project 48 -- Combat Training Pool and Locker Room*

This project would be adjacent to the flight simulators. It would displace existing temporary and surplus buildings.

Also proposed as part of this project is a 4,000 SF locker room facility. This would provide a place for personnel from nearby units to change uniforms when required during the workday. It would satisfy one-half of the space requirements for locker rooms.

*Project 49 -- Helicopter Landing Pad Upgrade*

Two helipads are required for MCAS Futenma. This project involves upgrading an existing pad because of its substandard condition. The existing pad is in an excellent location for meeting training and other needs, and it fits all siting criteria.

*Project 50 -- Arts and Crafts Hobby Shop*

There is no Arts and Crafts Hobby Shop at MCAS Futenma at this time. The proposed new facility would be easily accessible to personnel living in the BEQs, and would displace existing inadequate and surplus facilities.

*Projects 51 & 52 -- Outdoor Playing Courts*

The gradual replacement of substandard BOQs and BEQs has not been accompanied by replacement of the volleyball/basketball courts that were interspersed between the old buildings. Two new three-court

complexes -- one within the BOQ area and the other in the BEQ area -- are proposed to reduce this deficiency.

d. Proposed Long-Range Projects

Proposed long-range projects are those for which there is a foreseeable need, but which are currently not supported, or are only partially supported, by the SFPS. They are not currently justified because they are housed in facilities that right now are in reasonably good condition. However, this situation is considered likely to change in the not-too-distant future, because the buildings are relatively old and are becoming increasingly costly to maintain.

A primary reason for formulating these projects is to identify and tentatively reserve sites which will be suitable locations for them. In this way, if there should be a need to re-site any of the other projects identified in this Plan, these long-range sites can be avoided.

Long-range projects proposed for MCAS Futenma are briefly described below.

***Project A -- Station Property Warehouse***

There is a need for 64,000 SF of station property warehouse space, yet no such facility exists. A 60,000 SF consolidated warehouse structure is proposed on one of the few remaining vacant areas along Geiger Road which is large enough to accommodate such a facility.

Also proposed for this building is a 4,000 SF locker room. As with the one incorporated into the combat training pool project, it will provide a place for personnel from nearby units to change uniforms during duty hours when required.

***Project B -- Gas Chamber***

The existing gas chamber will need to be replaced because of its proximity to the new 1st MAW Headquarters. The proposed site is vacant and in a non-populated areas where the predominant downwind drift is over the Air Station.

***Project C -- Community Support Center***

The Air Station's existing rehabilitation center is housed in a converted facility that is less than one-half the required size. Two buildings currently used for

religious education are substandard and provide less than one-third the needed space.

It is proposed that both of these needs be met through the construction of a single "community support center" adjacent to the existing chapel. By consolidating these related activities and emphasizing their community support purpose, the GOJ's objectives to funding religious facilities can hopefully be overcome. The recommended site is centrally located and would result in the demolition of two substandard, temporary buildings.

***Project D -- POL Operations, Sampling and Test Building***

At 830 SF, the existing POL building provides only slightly more than one-half the 1600 SF of required space. The existing structure would be replaced by the new building.

***Project E -- Air Station Headquarters, Legal Services & Communications Center***

The existing Air Station Headquarters functions are split between two buildings which together provide less than two-thirds of the required space. The construction of an expanded and consolidated facility

would both meet space needs and permit more efficient operations.

Construction of the new facility on the site of Building 110 is recommended. This would maintain Station Headquarters in a central location and near the main gate. The functions in Building 110 can be temporarily housed in Building 106 while construction is taking place.

*Project F -- Officers/SNCO Club*

Currently, the SNCO Club is in a substandard building that provides only one-fourth the required space. Space in the Officers Club is also less than required. Both facilities lack a large enough ballroom to hold major social events that include both groups or all Air Station personnel.

A combined Officers/SNCO Club is proposed to allow for the provision of a ballroom which can be divided and used separately, or combined for larger functions. Kitchen and other facilities which are the same for both clubs can also be combined where appropriate to reduce operating costs.

Construction of the new facility on the site of the existing Officers Club and adjoining inadequate and

surplus BOQs is recommended. This site is near to existing officer and SNCO quarters and offers a panoramic view of the East China Sea.

This would require the temporary relocation of the Officers Club during construction. Alternatively, the new club could be built in two phases, with the first phase completed on the BOQ and vacant area before it becomes necessary to demolish the existing club.

*Project G -- Enlisted Dining Facility Annex*

The existing annex is located in a temporary building which is in poor condition and is too small to adequately serve the number of personnel who use it. The proposed new facility is on a vacant site next to the existing building, and thus maintains its central location.

*Project H -- Community Services Center*

Shopping, financial and personal service establishments at MCAS Futenma are currently split between two separate facilities. Space available to most existing uses is undersized, and there is no exchange cafeteria, food store or package store. In addition, the existing theater has less than one-half the required number of seats.

A new 54,800 SF "community services center" which consolidates these facilities in a single convenient location is proposed. The selected site is centrally located and near the main gate and existing quarters. Buildings 101 and 106, which are currently on the site, are substandard and will become surplus when the new Air Station Headquarters is completed. The "community services center" building would be constructed on vacant land, and the parking area would go where the existing buildings are located.

*Project I -- Provost Marshal's Office*

The Provost Marshal's Office is currently in converted space that is about one-half the required size. The proposed new facility would meet the space needs and be both centrally located and well situated to control access through the main gate.

*Project J -- Academic and Applied Instruction Building*

This project will provide 22,700 SF of academic and applied instruction space for the use of 1st MAW units.

*Project K -- Enlisted Personnel Service Club*

The existing Enlisted Service Club provides only about one-third the space needed to adequately support the personnel stationed at MCAS Futenma. An entirely new club is proposed so that it can be designed to fully meet the needs of service personnel with maximum efficiency and minimum operating costs. Once the new Officers/SNCO Club is completed, the existing SNCO Club can be demolished and this prominent view site used for the new Enlisted Club.

*Project L -- Educational Services/Library Complex*

Both the existing library and educational services building are less than one-half their required size, and the educational services building is located on the opposite side of the Air Station from existing quarters. A new facility which provides adequate space and consolidates these related activities is proposed on the site of the existing base exchange.

Once the new community services center is completed, the existing exchange building will be surplus and can be demolished. Related parking will displace inadequate and surplus BEQs.

#### **4. Demolition Plan**

Figure F-2 identifies all facilities that will need to be demolished to accommodate the development of programmed and proposed projects as described in this Master Plan. Table F-2 identifies by number the specific facilities that will be affected. Demolition of a facility is justified when its physical condition is inadequate and renovation costs exceed 50 percent of the replacement costs, or when the facility no longer meets the activity's mission and cannot be economically utilized to satisfy other facility deficiencies.

#### **5. Phasing**

The Master Plan provides direction for consolidating and integrating activities at MCAS Futenma. Due to the extent of development and the extensive areas constrained by steep topography or cultural sites, there are few unconstrained sites remaining at the Air Station. Consequently, many projects are sited over existing inadequate assets, thereby serving to remove these assets and to place the proposed project on a suitably located site.

Additionally, several projects will be implemented in two or more phases. Phase one is fully supported by the SFPS. Although not supported at this time, sites are also designated for later phases so that they can be held in reserve until such time as they are supported by future asset evaluations.

#### **6. U.S. Construction Projects Funding Programs**

There are a number of funding programs available for accomplishing projects. These include the Military Construction (MILCON) program, non-appropriated fund (NAF) program, and the Special Projects program. In Japan another potential source of funding is the GOJ Host Nation Funded Construction Program which consists primarily of two subordinate programs:

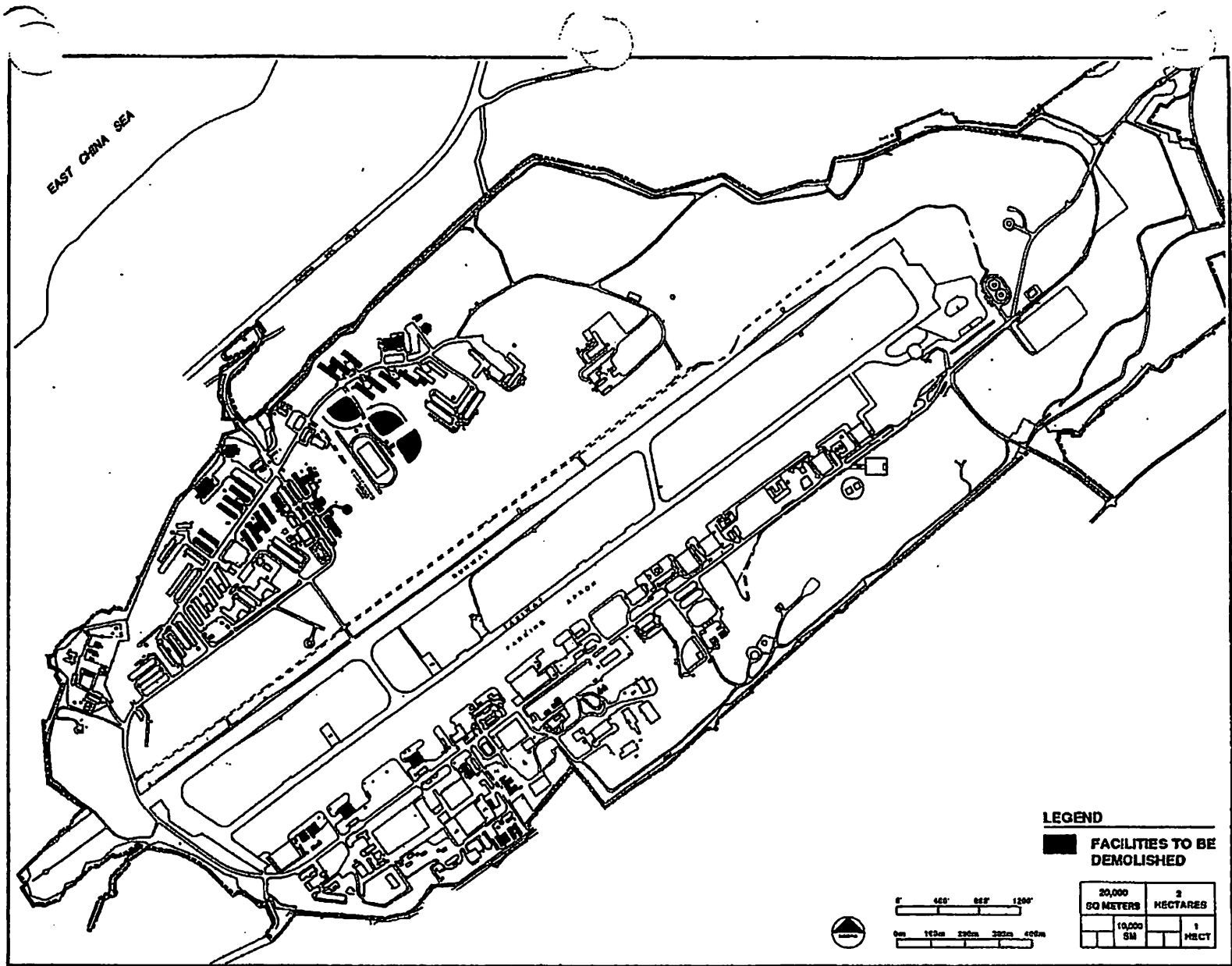
- The GOJ Facilities Improvement Program (FIP)
- The GOJ Relocation Construction Program

This Master Plan is intended only to serve as a guide for the development of projects. Brief descriptions of sources of funds are provided below for information purposes only. However, no actual funding programs



**TABLE F-2**  
**MCAS FUTENMA FACILITIES PROPOSED FOR DEMOLITION**

<b>Facil. No.</b>	<b>Description</b>	<b>Facil. No.</b>	<b>Description</b>	<b>Facil. No.</b>	<b>Description</b>
101	Sta. Admin. Bldg./Comm. Ctr.	221	Helicopter Landing Pad	514	Runway Lighting Regulator
104	Snack Stand	222	Wind Direction Indicator	521	Warehouse
104A	Garbage House	301	Exchange/Snack Bar	522	Warehouse
106	Medical Clinic	401	SNCO Club	522A	Garbage House
107	Dispensary Storage	401A	Garbage House	523	Warehouse
107A	Garbage House	401B	Reefer Shed	536	Group Headquarters
109	Standby Generator Bldg.	402	Enlisted Club	537	Group Headquarters
110	Station Headquarters	402A	Reefer Shed	538	Public Toilet
110A	Garbage House	404	Community Service Center	550	Vehicle Maintenance Shop
114	Helicopter Landing Pad	405	Station PMO Headquarters	552	Vehicle Maintenance Shop
116	Medical Clinic Supply	406	NBC/Driver Train. Classroom	553	Storage
117	General Storage	406A	Garbage House	553A	Basketball Court
149	Picnic Shelter	407	Drug/Alcohol Center	554	Storage
151	Softball Field	408	BEQ	557	Warehouse
151A	Flagpole	408A	Garbage House	M558	Haz./Flam. Storage
152	Softball Field	409	BEQ	568	Vehicle Maintenance Shop
153	Softball Field	424	BEQ	605	Tank Truck Loading Facility
155	Picnic Shelter	425	BEQ	611	Vehicle Wash Rack
156	Public Toilet	425A	Garbage House	614	Grease Rack
201	Officers Mess	426A	Garbage House	616	Public Works Shop
201A	Garbage House	426	BEQ	616A	Garbage House
202	BOQ	427	BEQ	617	Vehicle Maintenance Shop
205	BEQ	437	Haz/Flam Storage	618	Aviation Armament Shop
205A	Garbage House	437A	Haz/Flam Storage	621	Gasoline Service Station
206	BEQ	440	Organic Unit Storage	622	POL Building
207	BEQ	443	Vehicle Maintenance Shop	627	Instruction Building
207A	Garbage House	444	Vehicle Maintenance Shop	627A	Garbage House
208	BEQ	452	Retail Service Outlet	631A	Power Plant Building
211	BEQ	454	Play Courts	631B	Public Toilet
211A	Garbage House	500	Flight Line Storage	635	Haz./Flam. Storage
212	BOQ	501	Aircraft Maintenance Hangar	641	General Warehouse
212A	Garbage House	501A	Garbage House	642	Avionics Shop
213	BOQ	503	Aircraft Maintenance Hangar	650	Avionics Shop
214	Gas Chamber	503A	Garbage House	656	Van Pad
215	Volleyball Court	512	Haz./Flam. Storage	656A	Microwave Antenna
216	Volleyball Court	513	Haz./Flam. Storage		



MCAS FUTENMA MASTER PLAN

DEMOLITION PLAN

FIGURE F-2

or priorities for projects are being proposed in this document.

a. Military Construction Program (MILCON)

MILCON is a funding program for major projects. It includes special investment programs such as Energy Conservation, Pollution Abatement, and Occupational Safety and Health Improvements. Within the United States and its territories, it is the primary program for funding capital improvements needed to replace substandard facilities, correct facility deficiencies, or provide facilities for our new mission requirements. It is a highly scrutinized program, and Congress has stated that MILCON will not be used to fund large construction programs in Japan since host nation funds are available.

As a result, the MILCON Program has not been considered a viable funding source by activities in Japan except for the most critical projects. MILCON funds should be pursued only for:

- Sensitive/classified projects
- Projects that are not funded by the Host Nation Construction Program

b. Special Projects Program

This program deals with maintenance, repairs, minor construction, alteration, and equipment installation projects which are not of MILCON scope. These projects generally have very little impact on an activity development plan with the exception of some minor construction or alteration projects which may change land use. Special projects are initially proposed by the activity and are reviewed through the chain of command until final selection for implementation and funding is made by CMC.

c. Non-Appropriated Fund (NAF) Program

A NAF program is funded through MWR Support Activity Central Construction Fund and is exclusively used to fund personnel and community support projects. However, NAF will generally not be used to fund projects that are potentially eligible for host nation funded construction.

d. Facilities Improvement Program (FIP)

Over the last few years, the FIP has been the primary source of funds for facility construction in Japan. It is a GOJ initiated and funded program which provides

replacement facilities or new facilities for U.S. Forces in Japan. Elaboration of this guidance can be found in USCINCPAC 11010.2F.

General USCINCPAC guidance is that the FIP is the preferred source for construction in Japan, excluding those MILCON type projects discussed above, for the following categories of projects:

- Military family housing and community support facilities.
- Bachelor housing.
- New mission support facilities.
- Replacement of existing facilities or construction of new facilities due to environmental, security, or safety deficiencies.

The following categories of projects normally will not receive FIP funding:

- Repair and renovation of existing facilities.
- Expansion or alteration of existing facilities.
- Ammunition storage.
- New petroleum storage.

- Those involving politically contentious and/or sensitive issues.

e. Relocation Construction Program

The Relocation Construction Program is based on the principle of "quid pro quo" or "this for that". Under this principle, the U.S. releases U.S. controlled real estate (buildings and other improvements, as well as land) to the GOJ. In exchange, the GOJ constructs new U.S. facilities elsewhere to replace existing facilities lost by the real estate release. The facilities are replaced on a square foot for square foot and function for function basis.

7. Project Data Sheets

Presented on the following pages are Project Data Sheets (PDS) for 35 programmed and proposed mid-range projects at MCAS Futenma. Those with an "EST. YEAR" of JFY 92 and JFY 93 have already been programmed; those indicated for JFY 94 through JFY 98 are proposed for this mid-range time frame. As previously noted, the funding years for proposed mid-range projects are preliminary and subject to change.

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(1)

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# PROJECT DATA SHEET INDEX

<u>Project No.</u>	<u>Title</u>	<u>Page</u>	<u>Project No.</u>	<u>Title</u>	<u>Page</u>
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MC-305	Aircraft Parking Apron Upgrade (Phase II).....	F-24	MC-XX5	Comm./Elec. Maintenance Shop & Organic Unit Storage .....	F-60
MC-320	Aircraft Compass Calibration Pad .....	F-26	MC-XX6	Aviation Support Maintenance Shop.....	F-62
MC-321	Physical Fitness Center .....	F-28	MC-XX7	Potable Water Storage Tank.....	F-64
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MC-370	HMM Squadron Aircraft Maintenance Hanger .....	F-46	MC-X16	MATCS-18 Operations, Comm./Elec. Maintenance Shop & Detachment Headquarters Building .....	F-82
MC-216	Control Tower/ROF.....	F-48	MC-X17	Aircraft Full Motion Simulators Building.....	F-84
MC-379	Wing/Squadron Headquarters & Helicopter Landing Pad.....	F-50	MC-X18	Outdoor Recreation Complex.....	F-86
MC-XX1	MATCS-18 Mobile Van Pad.....	F-52	MC-X19	Consolidated Unit Storage Warehouse.....	F-88
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## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b>			<b>COMPONENT</b>	
Camp Butler, Okinawa, Japan			Marine Corps	
<b>PROJECT TITLE</b>			<b>PROJECT NO.</b>	
Mobile Van Maintenance Facility (Ph. I) MCAS Futenma			MC-309	
<b>DATE</b>	<b>EST. YEAR</b>	<b>CURRENT COST (\$000)</b>		
NOV 1989	JFY 92	2,186		
<b>CATEGORY CODE</b>	<b>PROGRAM ELEMENT</b>			
116-65				
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	7,625	80.00	610
SUP FACILITIES	LS	-	-	1,576
SUBTOTAL				2,186
CONTINGENCY (5%)				0
TOTAL CONTR. COST				2,186
SIQH (6.5%)				0
TOTAL REQUEST				2,186
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
Reinforced concrete pads for mobile vans and open storage area, and two guardhouses. Concrete pads are to be equipped with anchor hooks, utility hook-ups and grounding rods. Special features include generator/converter and transformer stations for special electrical power requirements, and communication system distribution.				
Support facilities include site preparation, all required utilities, security fencing/area lighting, asphalt paving, landscaping, sidewalks, trash enclosure, and demolition of Buildings 611 and 621. Construction needs to be phased, with north portion being completed first.				

<b>REQUIREMENT:</b>					
276 mobile vans are authorized to support aircraft maintenance, supply and avionics functions of Marine Aviation Logistics Squadron-36 (MALS-36). Because of existing space and electrical power limitations, only 217 vans can now be supported. Portable generators must be used to power some vans, which seriously impairs operations. Instead of the required placement of vans over reinforced concrete pads, vans are placed over asphalt pavement which does not meet support/transport requirements. Without an adequate facility, MALS-36 is unable to meet its full operational requirements and must continue to perform all required functions under highly restrictive conditions which adversely affect mission efficiency and readiness.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
116-65	Tact. Supt. Van Pad	6,890	SY		
852-40	Misc. Open Storage/ Laydown Pads	735	SY		
852-35	Asphalt Pavement	8,850	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

035

**SITING RATIONALE:**  
 Proximity to aircraft parking aprons and maintenance hangars in order to efficiently support aircraft maintenance, supply and avionics functions.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

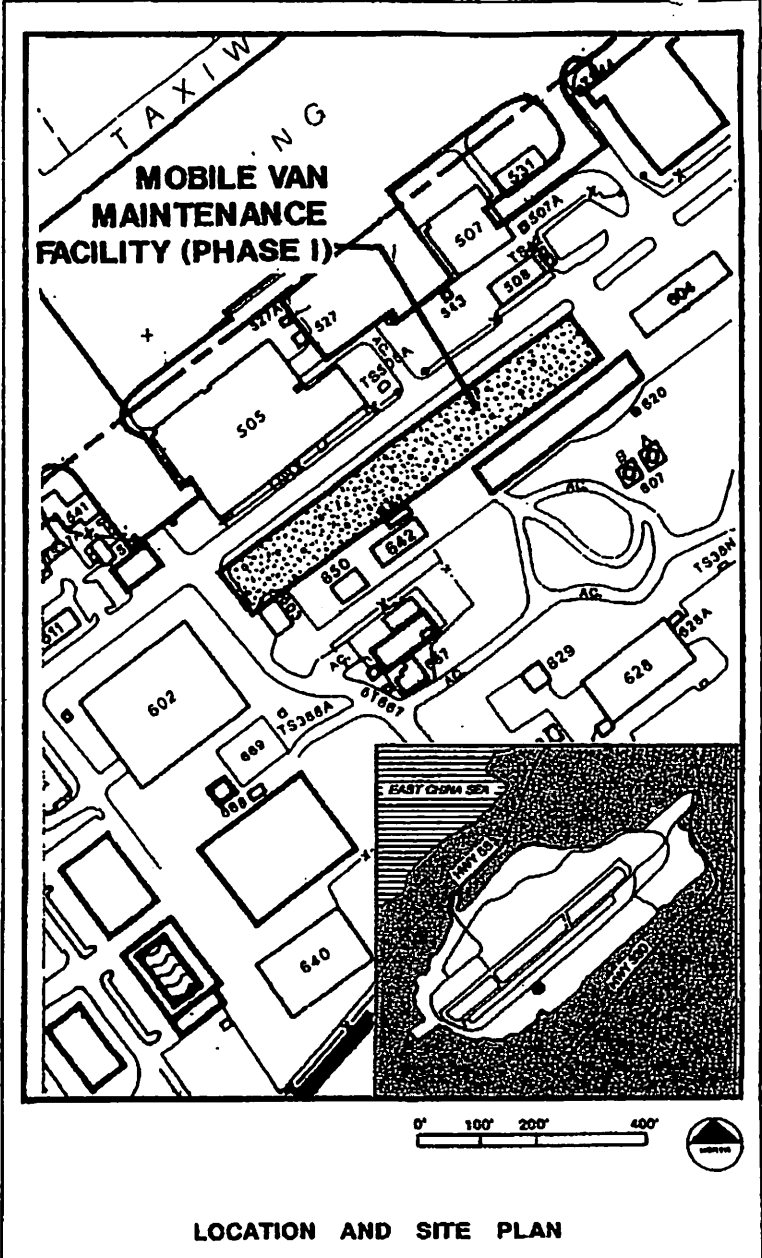
**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_

Name: Col. Schwanda, USMC Date: July 1989

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**





**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aircraft Parking Apron (Ph. II) MCAS Futenma		<b>PROJECT NO.</b> MC-305		
<b>DATE</b> JUL 1990	<b>EST. YEAR</b> JFY 92	<b>CURRENT COST (\$000)</b> 7,572		
<b>CATEGORY CODE</b> 113-20	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	60,300	108.74	6,557
SUP FACILITIES	LS	-	-	1,015
SUBTOTAL				7,572
CONTINGENCY (5%)				0
TOTAL CONTR. COST				7,572
SIQH (6.5%)				0
TOTAL REQUEST				7,572
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>Reconstruction of approximately 53,000 SY of aircraft parking apron and 7,300 SY of access aprons. Includes demolition and reconstruction of the existing pavement, structure with an approximate 10" thick reinforced concrete pavement, and construction of a utility trench for electrical and communication lines to cross the apron at the south end of Phase 2. Additionally, replacement of padeyes (aircraft tiedown anchors), grounding points, lighting, flush-mounted fire hydrants and utility conduits and lines removed or damaged during demolition. Also, stabilization of shoulders and upgrade of drainage for the pavement to be reconstructed.</p> <p>To maintain airfield operations, the parking apron must be upgraded in phases. A total of four phases is required to minimize disruption of daily operations.</p>				

<b>REQUIREMENT:</b>					
<p>MCAS Futenma's mission is to maintain and operate facilities and provide services and materials to support operations of the Fleet Marine Force (FMF), 1st Marine Aircraft Wing and subordinate and tenant units; to provide facilities to the FMF aircraft in support of ground forces; and to provide operational, logistical and administrative support to tenant units. The Station is also used as a divert field for Kadena Air Base, 7th Fleet Aircraft, and is designated as a United Nations Airfield. An upgrade of the concrete parking and access aprons is required to support the majority of aircraft types that apply excessive loading on the existing 7" thick concrete aprons.</p>					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
113-20	Aircraft Parking Apron	53,000	SY		
113-40	Aircraft Access Apron	7,300	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

098

**SITING RATIONALE:**

Project site is the existing parking apron and access aprons and the areas adjacent to the existing aprons.

**EFD REVIEW/ANALYSIS:**

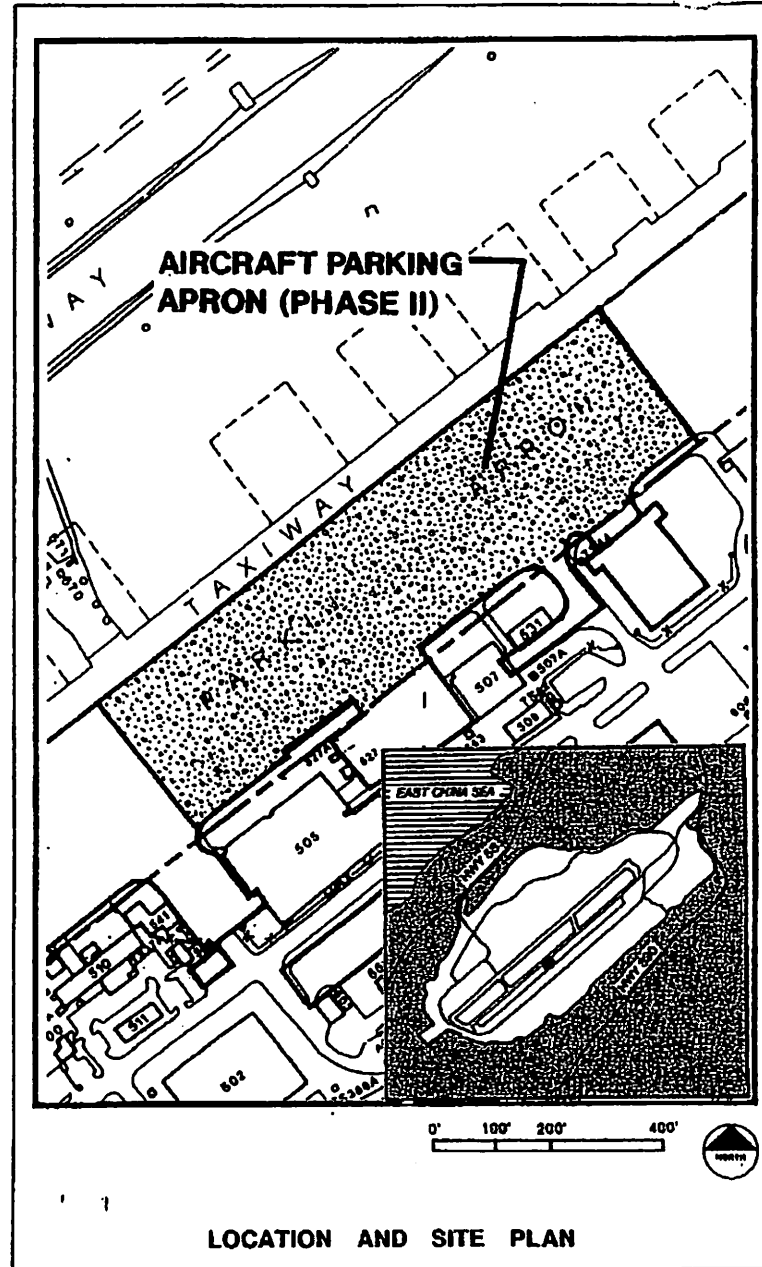
**REQUIRES FURTHER ACTION?**

	YES	NO	COMMENTS
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: April 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aircraft Compass Calibration Pad MCAS Futenma		<b>PROJECT NO.</b> MC-320		
<b>DATE</b> JUL 1990	<b>EST. YEAR</b> JFY 92	<b>CURRENT COST (\$000)</b> 275		
<b>CATEGORY CODE</b> 116-20	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	6,200	34.03	211
SUP FACILITIES	LS	-	-	64
SUBTOTAL				275
CONTINGENCY (5%)				0
TOTAL CONTR. COST				275
SIOH (6.5%)				0
TOTAL REQUEST				275
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A 1,600 SY compass calibration pad and a 4,600 SY access taxiway of concrete pavement with adequate substructure to ensure structural soundness under all loading conditions. Support facilities include site preparation, storm drainage system, stabilized shoulders, pavement markings, bronze compass marking inserts, and hydroseeding.				

<b>REQUIREMENT:</b> To be accurate for successful navigation, an aircraft's compass must be calibrated 2-3 times a year. A minimum of one pad is required at each station, and each pad handles one aircraft at a time. The time required to calibrate one aircraft compass is two hours. The maximum size aircraft to use this facility would be KC-130 fixed wing aircraft and CH53E rotary wing aircraft.  Compass calibration is currently conducted on Taxiway 3, which is consequently committed to this purpose approximately 200 days per year. This delays aircraft arrivals and departures, increases refueling time, and hinders KC-130 aircraft traffic. Also, Taxiway 3 was not designed to support the dead load of the heavier aircraft that now use it for compass calibration.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
116-20	Aircraft Comp. Cal. Pad	1,600	SY		
113-40	Aircraft Acc. Apron	4,600	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Allows all taxiways to be used, thereby improving aircraft operations. The access taxiway to the calibration pad is oriented to facilitate moving the aircraft onto the pad, headed toward magnetic north. Minimum distances from potential magnetic interference are met.

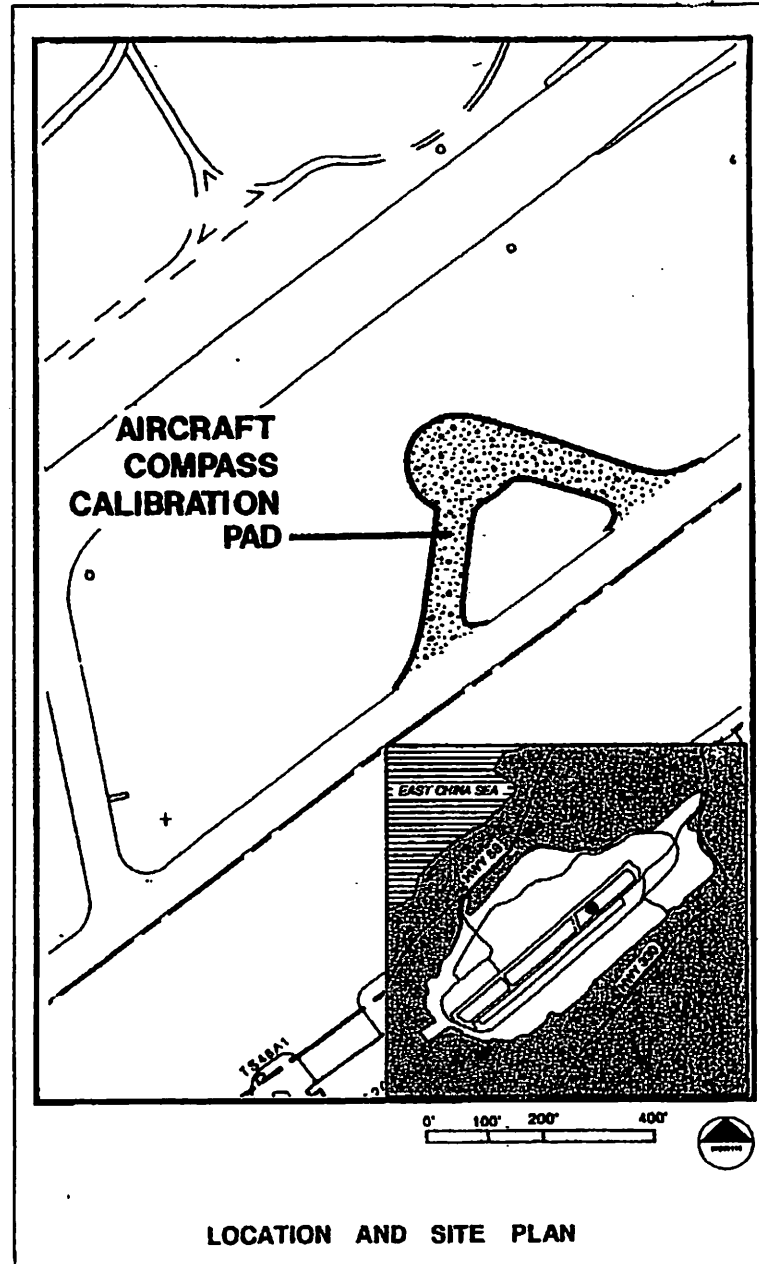
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: April 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b>			<b>COMPONENT</b>	
Camp Butler, Okinawa, Japan			Marine Corps	
<b>PROJECT TITLE</b>			<b>PROJECT NO.</b>	
Physical Fitness Center MCAS Futenma			MC-321	
<b>DATE</b>	<b>EST. YEAR</b>	<b>CURRENT COST (\$000)</b>		
JUL 1990	JFY 92	4,801		
<b>CATEGORY CODE</b>		<b>PROGRAM ELEMENT</b>		
740-43				
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	42,100	106.96	4,503
SUP FACILITIES	LS	-	-	298
SUBTOTAL				4,801
CONTINGENCY (5%)				0
TOTAL CONTR. COST				4,801
SIOH (6.5%)				0
TOTAL REQUEST				4,801
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
Construct a one-story, reinforced concrete building. Functional spaces include 3 volleyball/basketball courts, 4 indoor play courts, weight room, martial arts room, locker rooms, restrooms, sauna room, steam room, storage, laundry, issue room, administrative and office spaces, lobby, snack bar, corridors and mechanical equipment room.				
Support facilities include site preparation, all required utilities, parking, landscaping, sidewalks, equipment and trash enclosures, parking lot lighting, relocation of a transformer station, and demolition of Buildings 207, 207A and 208.				

### REQUIREMENT:

Current deficiencies exist in gymnasium space, indoor play courts, and special services issue and office space. The existing gymnasium is overcrowded and many individuals are forced to travel to other military installations to meet their physical fitness and athletic needs. These problems have an adverse effect on morale and hamper the Marine Corps' ability to retain quality personnel.

### PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

### PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
740-43	Physical Fitness Center	30,000	SF		
740-84	Indoor Playing Courts	4,800	SF		
740-37	Sp.Svcs.Issue & Office	7,300	SF		

### REQUIREMENT CERTIFICATION:

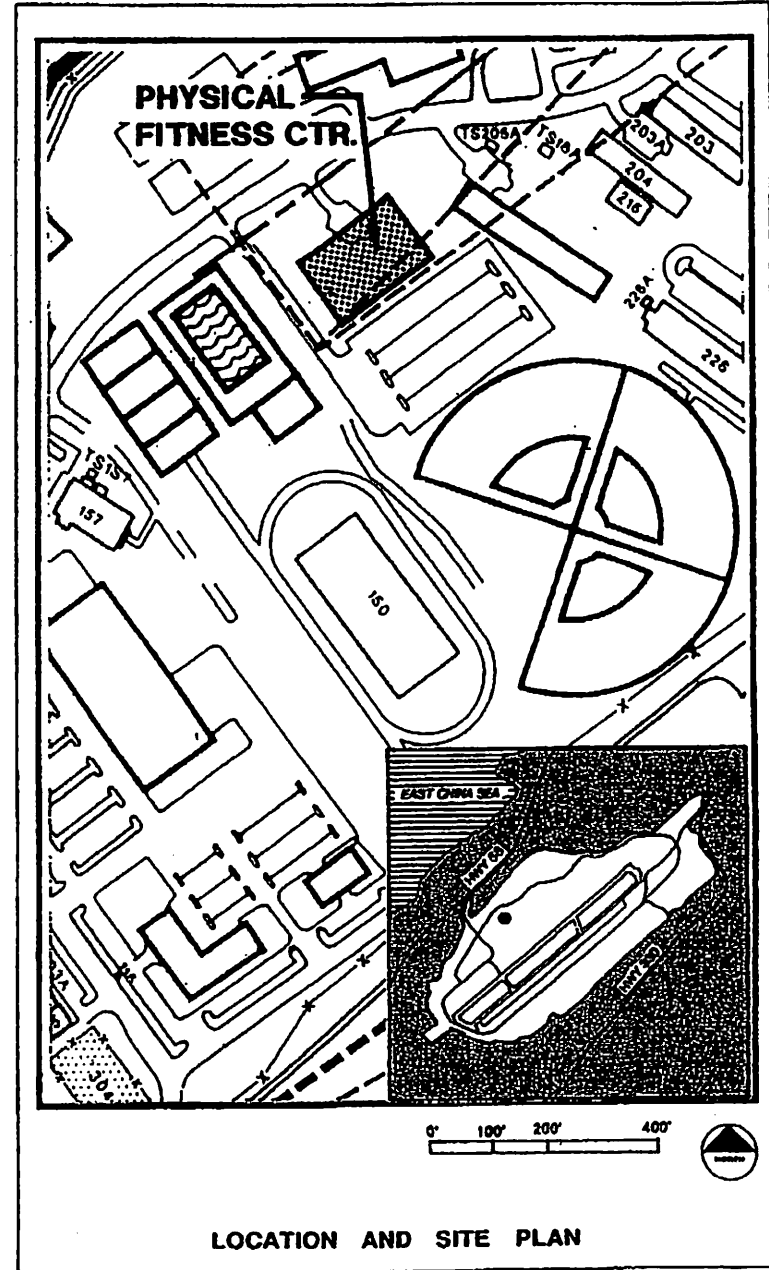
ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**  
Proximity to BEQs, BOQs and existing outdoor recreation facilities.

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety	X		Note (1)
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**  
 Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: April 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**  
 (1) Airfield safety review required.



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Gas Station MCAS Futenma		<b>PROJECT NO.</b> MC-326		
<b>DATE</b> JUL 1990	<b>EST. YEAR</b> JFY 92	<b>CURRENT COST (\$000)</b> 107		
<b>CATEGORY CODE</b> 740-31	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	660	115.15	76
SUP FACILITIES	LS	-	-	31
SUBTOTAL				107
CONTINGENCY (5%)				0
TOTAL CONTR. COST				107
SIQH (6.5%)				0
TOTAL REQUEST				107
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>A one-story, reinforced concrete service building and a one island gas/air/water dispensing area with reinforced concrete canopy. Functional spaces to include sales area, office, storage room, restroom, and mechanical space.</p> <p>Special features include 10,000 gallon underground fuel storage tank and fuel, air and water dispensing units, and oil/water separator.</p> <p>Support facilities include site preparation, all required utilities, landscaping, sidewalks, and trash enclosure.</p>				

### REQUIREMENT:

To provide a supplemental gas station for military personnel and DOD civilian employees. Current DOD regulations authorize the provision of supplemental gas stations in cases where (a) the authorized population exceeds 3,000 and (b) the installation's layout is such that a single main station cannot properly satisfy the needs of the customer. MCAS Futenma has a population of over 4,000 PN and is physically separated from Camp Foster by Futenma town. The gas/service station at Camp Foster is considered the main station for both the Camp and the Air Station. Thus, a supplemental gas station will eliminate a current deficiency.

### PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

### PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
740-31	Exch. Suppl. Gas Station	660	SF		

### REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**  
 Proximity to troop housing area and existing car care center.

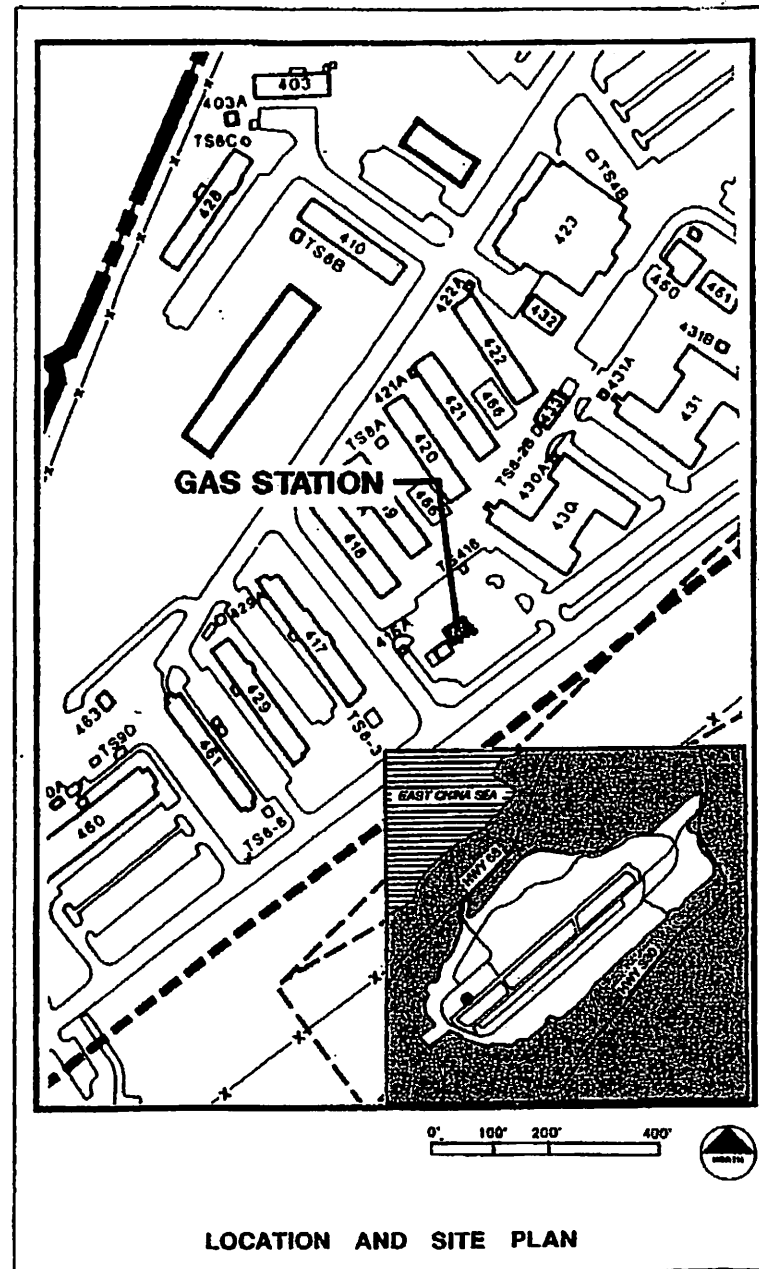
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC \_\_\_\_\_ Date: April 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**





## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Ground Support Equipment Shop MCAS Futenma		<b>PROJECT NO.</b> MC-332		
<b>DATE</b> JUL 1990	<b>EST. YEAR</b> JFY 92	<b>CURRENT COST (\$000)</b> 432		
<b>CATEGORY CODE</b> 218-60		<b>PROGRAM ELEMENT</b>		
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	4,100	85.37	350
SUP FACILITIES	LS	-	-	82
SUBTOTAL				432
CONTINGENCY (5%)				0
TOTAL CONTR. COST				432
SIQH (6.5%)				0
TOTAL REQUEST				432
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>A one-story reinforced concrete Ground Support Equipment Shop to perform abrasive blasting and painting. Functional areas include tool room, storage room, paint booth and drying room, preparation room, abrasive blasting room, battery shop, administrative space, restrooms/shower/locker rooms and mechanical equipment room.</p> <p>Support facilities include site preparation, all required utilities, hazardous/flammable storage shed, security fence/lights, paved open storage, sidewalks and trash enclosure.</p>				

### REQUIREMENT:

Marine Aviation Logistics Squadron-36 (MALS-36) requires a ground support equipment shop for corrosion control maintenance work on its inventory of over 16,000 pieces of ground support equipment. There are no facilities on MCAS Futenma where this equipment can be systematically refurbished (rust removed and repainted) to maintain acceptable levels of equipment serviceability and readiness.

This facility will provide the necessary equipment and work space for corrosion removal and equipment repainting.

### PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

### PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
218-60	Arcft.Gr.Supt.Equip.Shop	2,990	SF		
218-50	Battery Shop	1,110	SF		
143-78	Haz./Flam. Storage Shed	260	SF		
852-40	Open Storage Area	250	SY		

### REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**  
 Proximity to existing MALS-36 maintenance facilities for operational efficiency.

**EFD REVIEW/ANALYSIS:**

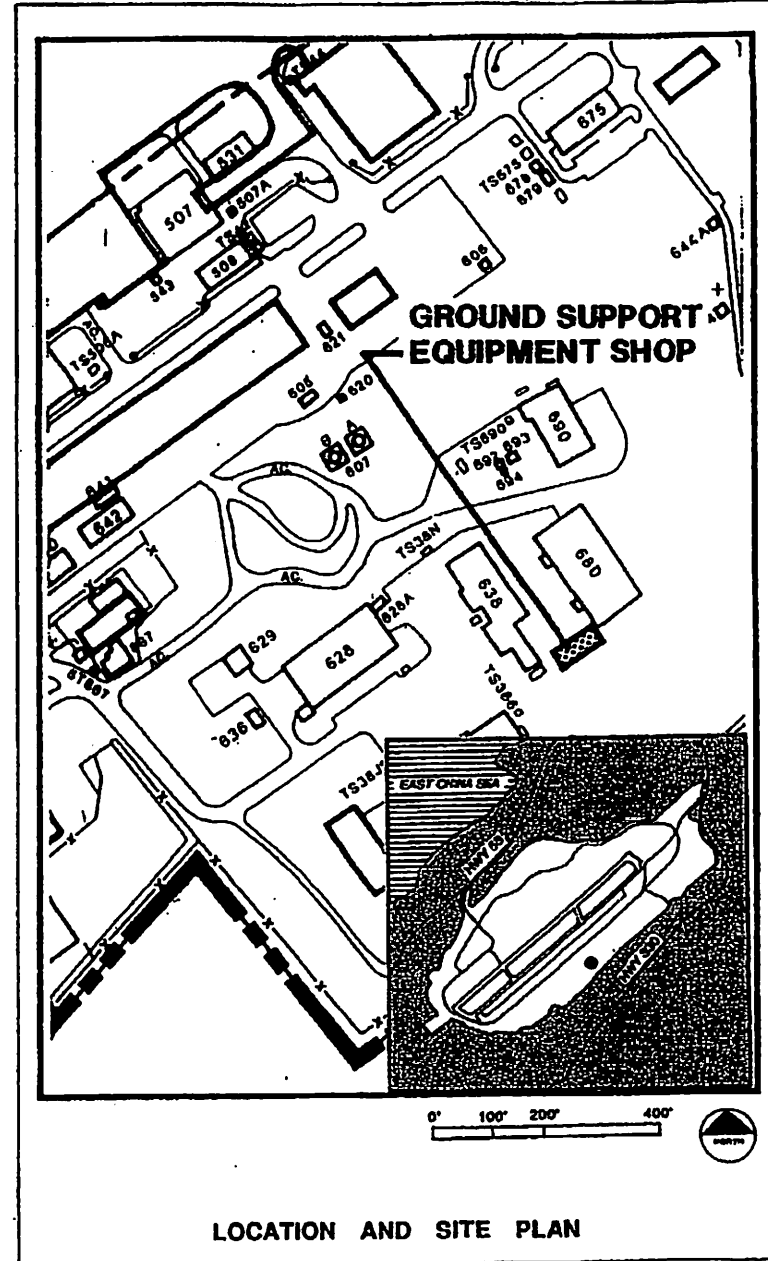
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact	X		Note (1)
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: June 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Potential cultural resource site.



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b>		<b>COMPONENT</b>		
Camp Butler, Okinawa, Japan		Marine Corps		
<b>PROJECT TITLE</b>		<b>PROJECT NO.</b>		
Electrical Distribution Upgrade (Ph. I) MCAS Futenma		MC-333		
<b>DATE</b>	<b>EST. YEAR</b>	<b>CURRENT COST (\$000)</b>		
JUL 1990	JFY 92	5,851		
<b>CATEGORY CODE</b>	<b>PROGRAM ELEMENT</b>			
813-20				
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	LS	-		1,820
SUP FACILITIES	LS	-		4,031
SUBTOTAL				5,851
CONTINGENCY (5%)				0
TOTAL CONTR. COST				5,851
SIQH (6.5%)				0
TOTAL REQUEST				5,851
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>A new electrical substation with two 10,000 KVA, 66 KV-13.8 KV transformers with automatic tap changers. Equipment will be provided for connection to a future supervisory control and data acquisition (SCADA) system, with the main console at MCB Camp S. D. Butler. The substation will be an enclosed concrete structure.</p> <p>The distribution system will consist of underground concrete encased ducts and manholes. At least two fully rated circuits will be provided to each area so that either can carry the entire load. Vacuum isolation switches will allow interconnection of the two circuits and isolation of small areas for repairs and maintenance. Distribution transformers and isolation switches will be housed in weather proof concrete enclosures. This phase will provide the portion of the distribution system located on the westerly coastal side of the Air Station.</p> <p>The existing overhead distribution system will be removed after completion of the new construction.</p>				

### REQUIREMENT:

The existing electrical distribution system does not provide the reliability, security and stable voltage necessary for a multi-faceted air station with its intricate and sophisticated air space control, fueling, maintenance and other support complexes. It is also difficult and expensive to maintain.

The new substation with automatic tap changers is required to eliminate unacceptable voltage fluctuations. New underground electrical distribution lines with sectionalizing switches and transformers will make its electrical system less vulnerable to lightning, typhoons and corrosion, as well as allow for isolating sections of the system for repair and maintenance.

### PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

### PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
813-20	500+ KVA Substation	1	EA		
813-30	Switching Station	5	EA		
813-10	Substation Building	3,000	SF		

### REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**  
 The new substation station is sited close to the station boundary and away from other existing or planned facilities.

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**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact	X		Note (1)
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

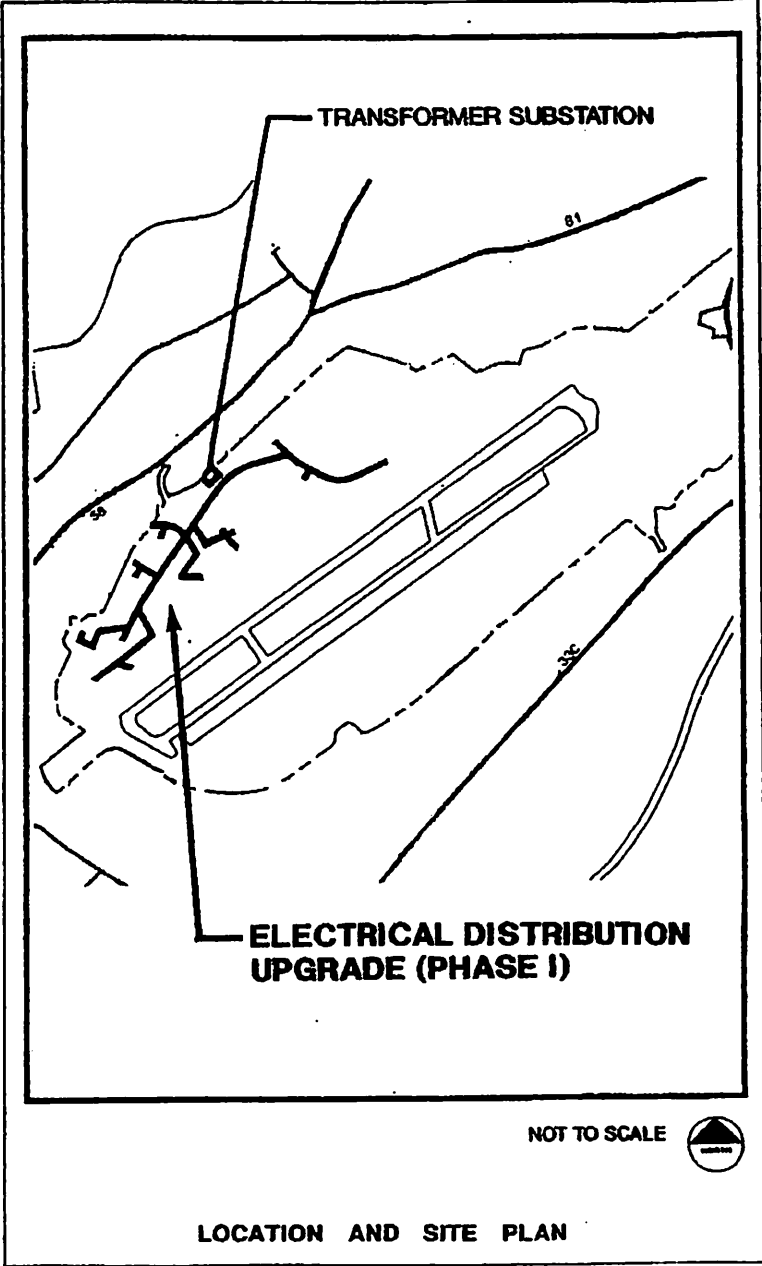
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**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Lt. Col. Godwin, USMC Date: July 1990  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

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**NOTES:**  
 (1) Potential cultural resource site.



**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan			<b>COMPONENT</b> Navy	
<b>PROJECT TITLE</b> Navy Calibration Lab MCAS Futenma			<b>PROJECT NO.</b> NA-450	
<b>DATE</b> JUL 1990	<b>EST. YEAR</b> JFY-92	<b>CURRENT COST (\$000)</b> 1,352		
<b>CATEGORY CODE</b> 218-45	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	9,200	124.89	1,149
SUP FACILITIES	LS	-	-	203
SUBTOTAL				1,352
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,352
SIQH (6.5%)				0
TOTAL REQUEST				1,352
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>A one-story reinforced concrete building. The facility will be equipped with a fire/security alarm system connected to the nearest USG fire and security department, HVAC system designed for calibration labs, tinted windows for energy conservation, fluorescent lighting, and vinyl asphaltic composition floor tile. Functional spaces include electronic test laboratories, maintenance shop, administrative offices, research library, and mechanical equipment room.</p> <p>Support facilities include site preparation, all required utilities, asphalt paving, sidewalks, landscaping, security fencing/area lighting, and demolition of Buildings 631 and 631-B.</p>				

<b>REQUIREMENT:</b>					
<p>The existing 23 aged, metal mobile vans are deteriorating, inefficient in space utilization, and require constant costly maintenance. Although originally the lab was expected to be located at MCAS Futenma only temporarily, its mission has changed to become permanent. A permanent facility is required to perform its functions efficiently.</p>					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
218-45	Instrument Calibration Lab	9,200	SY		
852-10	Parking Area	960	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**  
Utilizes existing site.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
ACUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

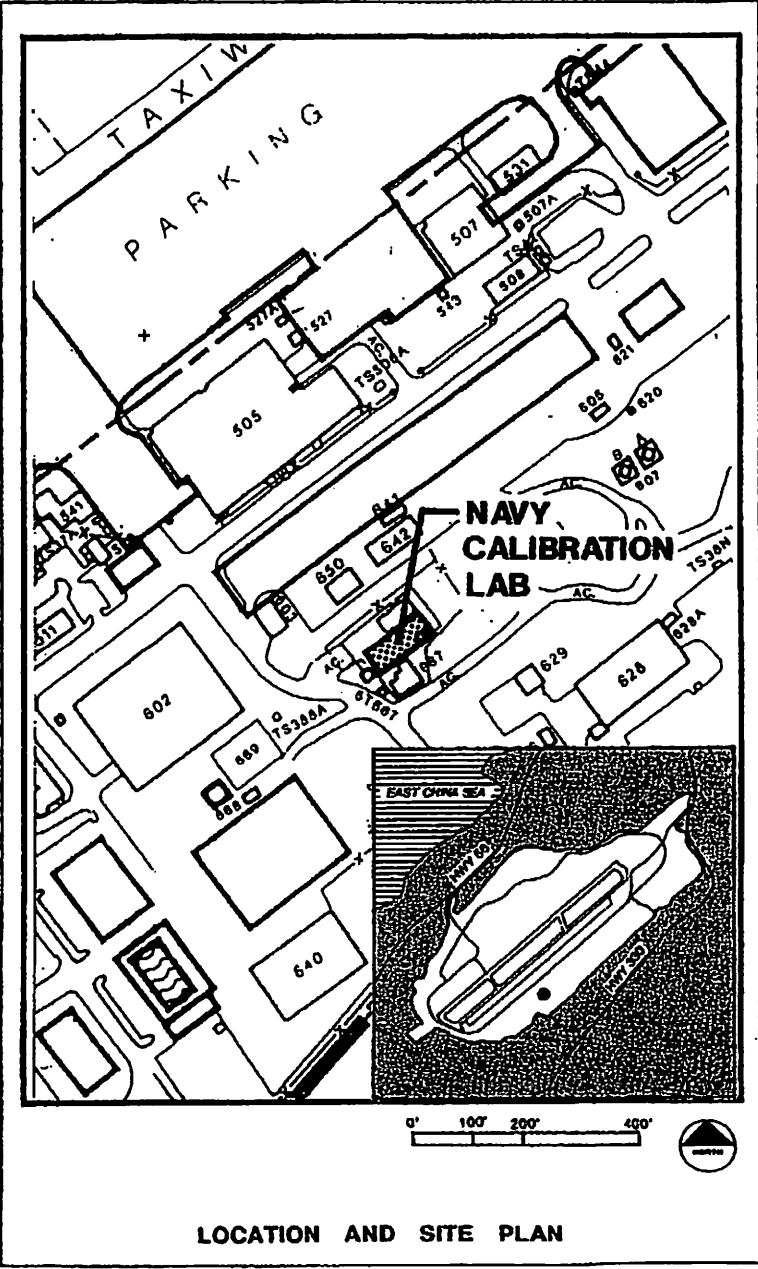
**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_

Name: Col. McDonald, USMC Date: March 1989

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Electrical Distribution Upgrade (Ph. II) MCAS Futenma		<b>PROJECT NO.</b> MC-378		
<b>DATE</b> JUL 1991	<b>EST. YEAR</b> JFY 93	<b>CURRENT COST (\$000)</b> 5,223		
<b>CATEGORY CODE</b> 812-30	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	LF	33,600	42.98	1,444
SUP FACILITIES	LS	-	-	3,779
SUBTOTAL				5,223
CONTINGENCY (5%)				0
TOTAL CONTR. COST				5,223
SIOH (6.5%)				0
TOTAL REQUEST				5,223
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Installation of new underground electrical distribution feeder circuits in new ducting with new manholes, concrete enclosed distribution transformers, sectionalizing switches, and capacitors. Equipment will be identical to that provided in MC-333.  This phase will provide the portion of the distribution system located on the easterly (inland) side of the Air Station. The existing overhead distribution system will be removed after completion of the new construction.				

<b>REQUIREMENT:</b> The existing electrical distribution system at MCAS Futenma does not provide the reliability, security, and stability necessary to support the air station's intricate and sophisticated air space control, fueling, maintenance, and other ground support functions.  New underground electrical distribution lines with sectionalizing switches and transformers will make its electrical system less vulnerable to lightning, typhoons and corrosion, as well as allow for isolating sections of the system for repair and maintenance.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>				
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____				
SUP. UNIT: _____	CMC PRIORITY: _____				
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____				
INVESTMENT CATEGORY: _____	READINESS RATING: _____				
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____				
	MAJOR/SUBCLAIMANT: _____				
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
812-30	Electrical Distribution Lines	33,600	LF		
812-12	Transformer Station (<500KVA)	50	EA		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY: _____	DATE: _____				
COMMARCORBASESJAPAN: _____	DATE: _____				
CMC: _____	DATE: _____				

**SITING RATIONALE:**  
 Replacement of existing deteriorated equipment and wires.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prefin. Hazards Analysis		X	
Others (List)		X	

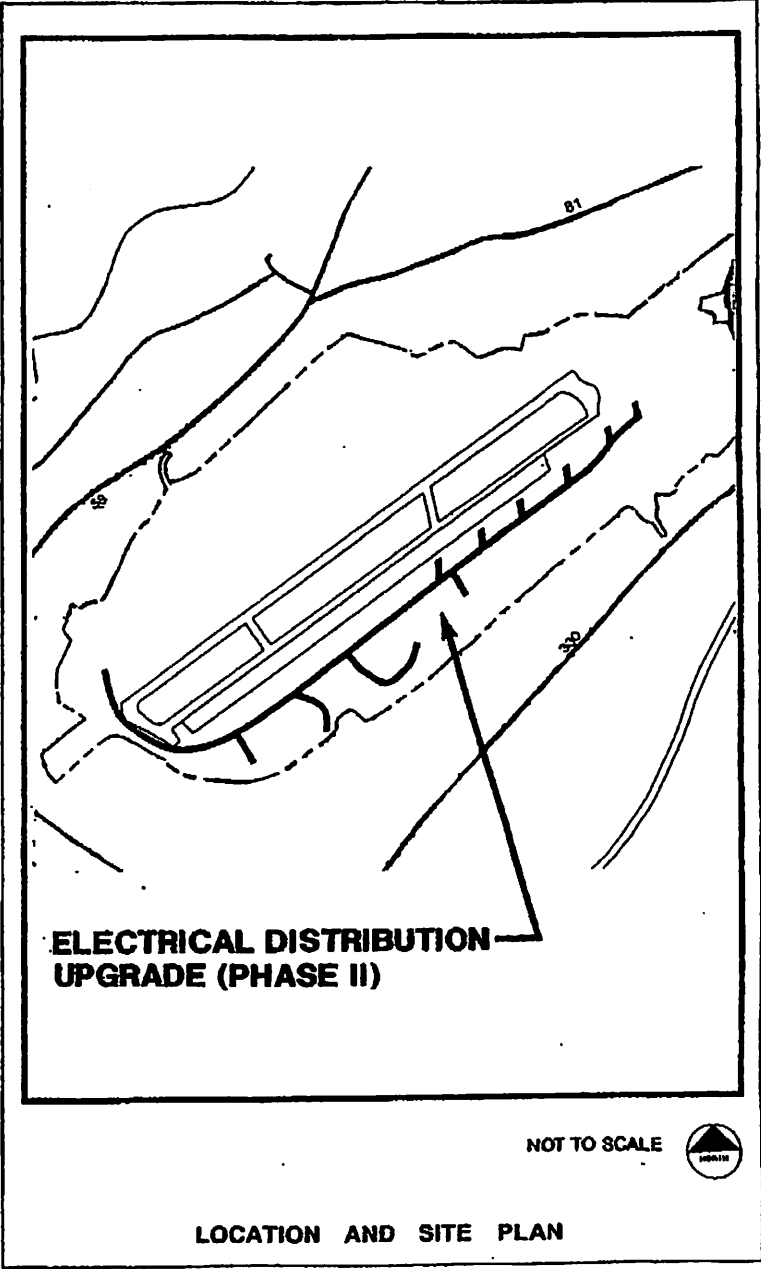
**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_

Name: Lt. Col. Godwin, USMC \_\_\_\_\_ Date: July 1990

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**





## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b>			<b>COMPONENT</b>	
Camp Butler, Okinawa, Japan			Marine Corps	
<b>PROJECT TITLE</b>			<b>PROJECT NO.</b>	
Aircraft Parking Apron Upgrade (Ph. III) MCAS Futenma			MC-348	
<b>DATE</b>	<b>EST. YEAR</b>	<b>CURRENT COST (\$000)</b>		
JUL 1991	JFY 93	11,225		
<b>CATEGORY CODE</b>		<b>PROGRAM ELEMENT</b>		
113-20				
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	97,600	96.17	9,386
SUP FACILITIES	LS	-	-	1,839
SUBTOTAL				11,225
CONTINGENCY (5%)				0
TOTAL CONTR. COST				11,225
SIOH (6.5%)				0
TOTAL REQUEST				11,225
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>Reconstruction of approximately 53,900 SY of existing parking apron and new construction of an additional 43,700 SY of parking apron in the area adjoining the current parking apron and between Buildings 503 and 539. Project includes demolition of existing pavement and several facilities in the area between Buildings 503 and 539. Also includes removal and replacement of sub-base and base course, and reconstruction of pavement structure with approximately 10" thick reinforced concrete pavement.</p> <p>In addition, padeyes (aircraft tiedown anchors), grounding points, lighting, flush mounted fire hydrants and utilities affected by demolition will be replaced. Shoulders will be stabilized and drainage upgraded for the pavement to be reconstructed.</p>				

**REQUIREMENT:**

The parking apron subject to upgrading has deteriorated badly and has missing or badly corroded tie-down padeyes. To prevent further deterioration, these areas are limited to the use of lighter aircraft, which hinders airfield operations involving heavier aircraft.

Additional parking apron space is needed to meet NAVFAC P-80 requirements for spacing between parked aircraft and to provide required taxiways around parking areas.

This project will allow the air station to have full operational capability to fulfill its mission.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
113-20	Aircraft Parking Apron	97,600	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

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**SITING RATIONALE:**

Project site is the existing parking apron and access aprons and the areas adjacent to the existing aprons.

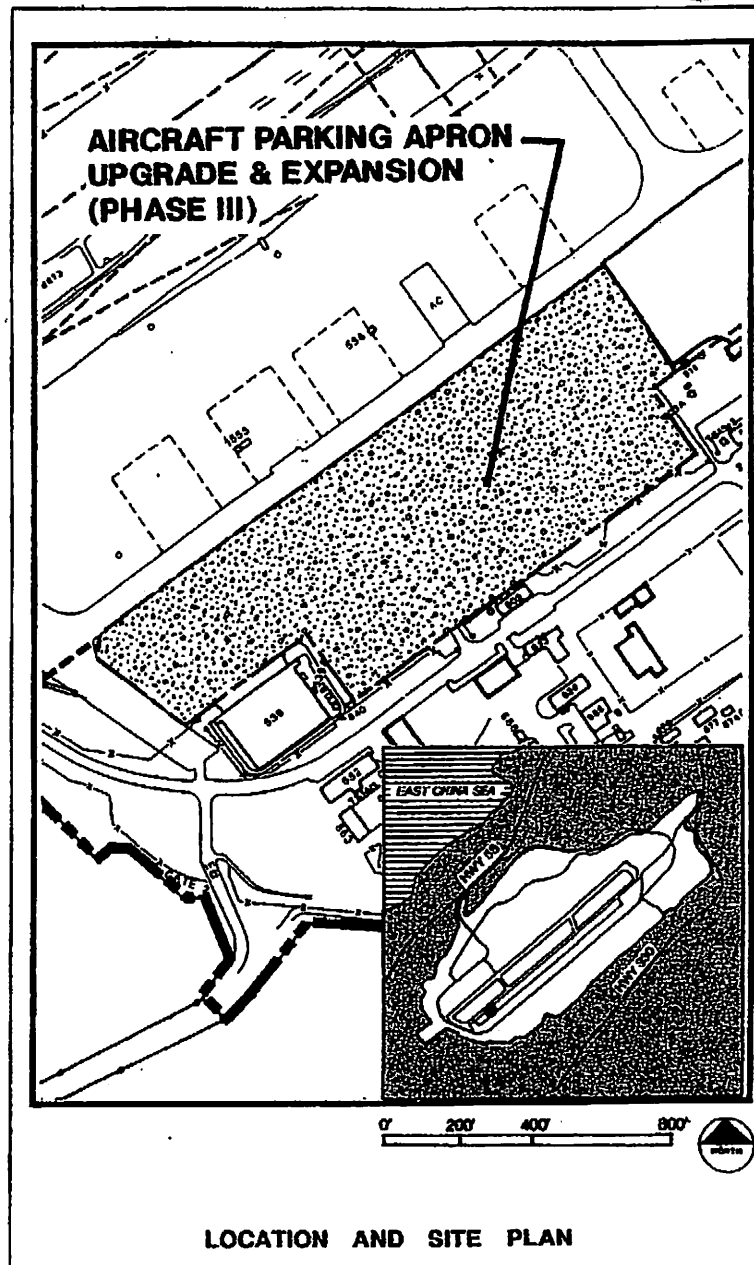
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prefim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: April 1991  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Mobile Van Maintenance Facility (Ph. II) MCAS Futenma		<b>PROJECT NO.</b> MC-347		
<b>DATE</b> JUL 1991	<b>EST. YEAR</b> JFY 93	<b>CURRENT COST (\$000)</b> 2,369		
<b>CATEGORY CODE</b> 211-45	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	17,800	85.90	1,529
SUP FACILITIES	LS	-	-	840
SUBTOTAL				2,369
CONTINGENCY (5%)				0
TOTAL CONTR. COST				2,369
SIOH (6.5%)				0
TOTAL REQUEST				2,369
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story high-bay reinforced concrete building. Functional spaces include maintenance area, sandblasting room, paint room, air conditioning repair room, office/administrative spaces, parts storage room, restrooms, and mechanical equipment room. Also includes separate organic storage and hazardous/flammable storage buildings.  Support facilities include site preparation, all required utilities (including a 50 pair communication cable), asphalt paving, landscaping, a trash enclosure, and demolition of Building 605.				

<b>REQUIREMENT:</b> To provide facilities for maintenance of the avionics vans that will be using the van pads constructed under Phase I. Both projects will together provide MCAS Futenma with a complete, permanent facility in support of the aircraft maintenance, supply and avionics functions of Marine Aircraft Logistics Squadron-36 (MALS-36).					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
211-45	Avionics Shop	7,600	SF		
143-78	Ops. Haz./Flamm. Storage	600	SF		
441-12	Organic Unit Storage	9,600	SF		
852-10	Parking Area	9,160	SY		
852-35	Other Paved Area	1,140	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

The site is close to the MALS-36 mobile maintenance vans that are to be maintained.

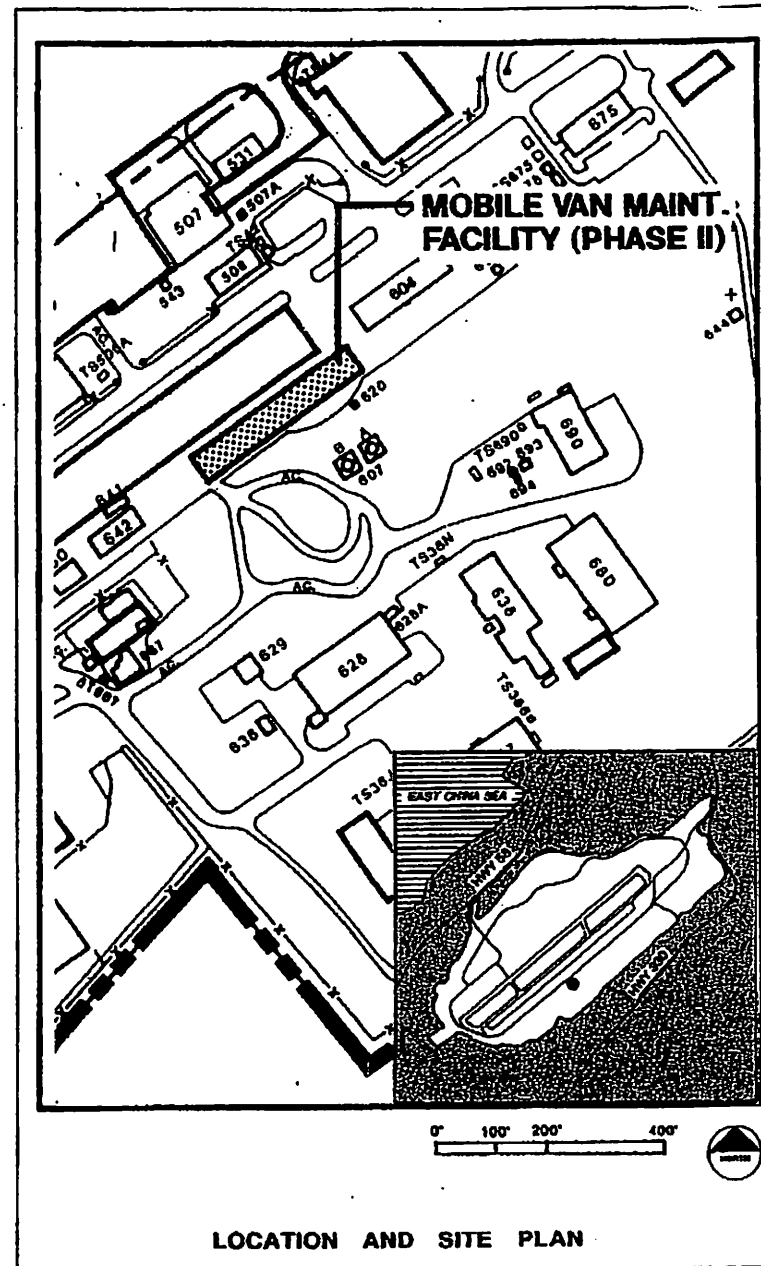
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	NA
Airfield Safety		X	
Electromagnetic Radiation		X	NA
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prefim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. Schwanda, USMC Date: April 1991  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



LOCATION AND SITE PLAN

**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aircraft Group Headquarters MCAS Futenma		<b>PROJECT NO.</b> MC-368		
<b>DATE</b> JUL 1991	<b>EST. YEAR</b> JFY 93	<b>CURRENT COST (\$000)</b> 2,155		
<b>CATEGORY CODE</b> 610-71	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	17,600	107.95	1,900
SUP FACILITIES	LS	-	-	255
SUBTOTAL				2,155
CONTINGENCY (5%)				0
TOTAL CONTR. COST				2,155
SIQH (8.5%)				0
TOTAL REQUEST				2,155
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A two-story reinforced concrete building with central air conditioning and heating, electrical power with interior and exterior lighting, plumbing, fire protection system, telephone system and energy monitoring/control provisions. Functional spaces include administrative spaces, staff legal office, training/conference room, chaplain's office, publication library, data processing equipment room, classified materials storage vault, storage rooms, and restrooms/locker rooms.  Support facilities include site preparation, all required utilities (including a 100 pair communication cable), asphalt paving, landscaping, sidewalks, and trash enclosures.				

<b>REQUIREMENT:</b> The facility currently occupied by MAG-36 Group Headquarters -- the upper floor of Hangar 539 -- does not meet the unit's space requirements. In addition, the existing deficiency in 01 (crew and equipment) and 02 (administrative) space available to the HMH Squadron occupying Hangar 539 approximately equals this upper floor area. This project will enable both units to better fulfill their missions by providing the required space and enhancing unit integrity.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
610-71	Aircraft Group Headquarters	17,600	SF		
852-10	Parking Area	3,040	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**  
 The site is vacant, centrally located, and offers a direct line of sight to Group operations up and down the flightline.

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**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

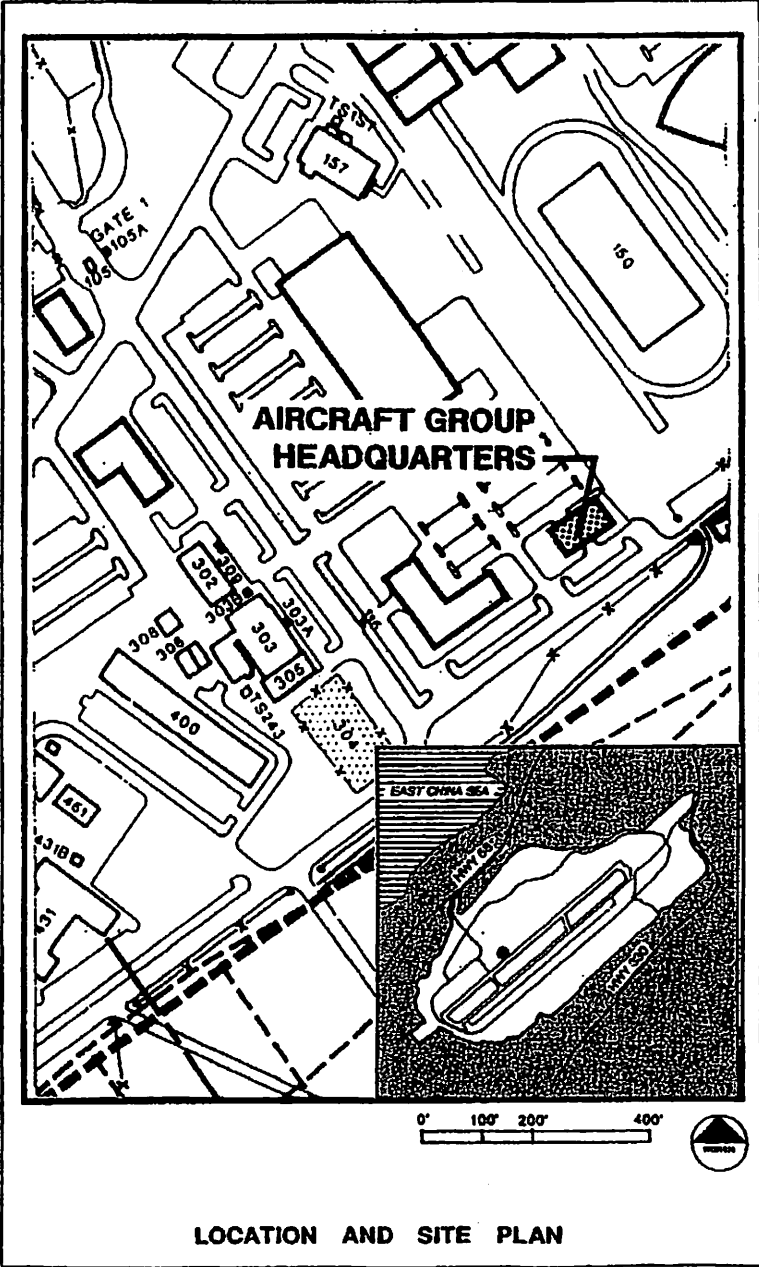
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**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Lt. Col. Godwin, USMC Date: April 1991  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

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**NOTES:**



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b>		<b>COMPONENT</b>		
Camp Butler, Okinawa, Japan		Marine Corps		
<b>PROJECT TITLE</b>			<b>PROJECT NO.</b>	
Aircraft Maintenance Hangar MCAS Futenma			MC-370	
<b>DATE</b>	<b>EST. YEAR</b>	<b>CURRENT COST (\$000)</b>		
JAN 1992	JFY 93	5,493		
<b>CATEGORY CODE</b>		<b>PROGRAM ELEMENT</b>		
211-05				
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	38,800	126.37	4,903
SUP FACILITIES	LS	-	-	590
<b>SUBTOTAL</b>				5,493
<b>CONTINGENCY (5%)</b>				0
<b>TOTAL CONTR. COST</b>				5,493
<b>SIOH (6.5%)</b>				0
<b>TOTAL REQUEST</b>				5,493
<b>EQUIP FR OTH APPR</b>				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>Type I aircraft maintenance hangar with combination of two-story 01 and 02 spaces and a high maintenance bay (OH) space, all of reinforced concrete. Included are central heating and air conditioning (01 and 02 spaces only), lighting (including emergency and special hangar lighting), foam/water fire protection system, insulation, communication cables, and energy monitoring control system (EMCS) provisions.</p> <p>Special features include bird proof overhead netting, 10-ton capacity overhead monorail bridge cranes in hangar bay and machine shop, air compressor system, and power operated hangar doors.</p> <p>Support facilities include concrete aircraft access apron, detached CH-46 fuel tank storage building, and detached hazardous/flammable storage shed. Also included are site preparation, all required utilities (including a 40-pair communications cable), asphalt paving, lighting, landscaping, sidewalks and trash enclosure.</p>				

### REQUIREMENT:

MCAS Futenma is deficient in adequate weather-protected maintenance space for the helicopter squadrons assigned to MAG-36. This hangar will provide the required servicing and repair accommodations, crew and equipment space, and administrative space for one HMM (CH-46) Squadron. In addition, it will provide essential emergency shelter space for protecting aircraft during damaging weather conditions prevalent in Okinawa.

### PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

### PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
211-05	Maintenance Hangar-OH	20,000	SF		
211-06	Maintenance Hangar-01	10,200	SF		
211-07	Maintenance Hangar-02	8,600	SF		
113-40	Aircraft Access Apron	1,300	SY		
852-10	Parking Area	2,000	SY		
852-35	Other Paved Area	300	SY		

### REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASES JAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The site is vacant and located where parking apron space can be provided within reasonable proximity of the hangar.

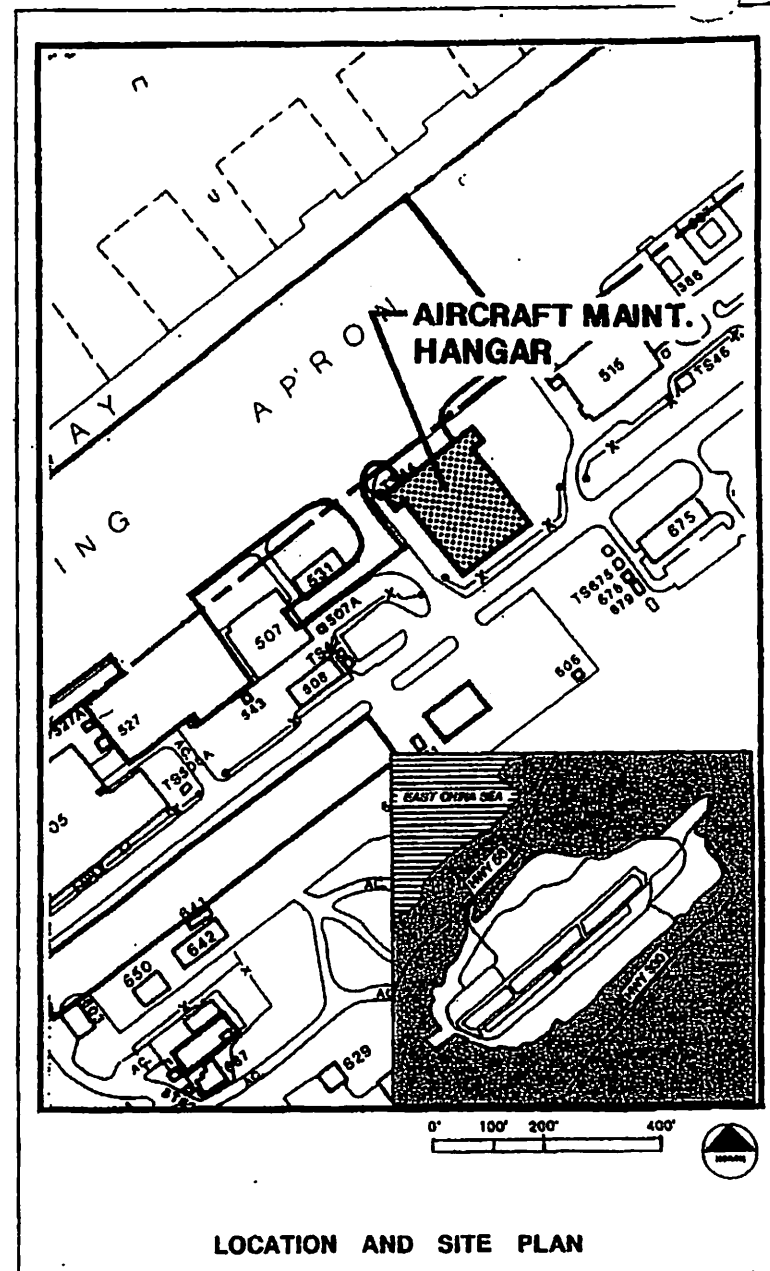
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Lt. Col. Godwin, USMC Date: April 1991  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**





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## PROJECT DATA SHEET

INSTALLATION & LOCATION		COMPONENT		
Camp Butler, Okinawa, Japan		Marine Corps		
PROJECT TITLE Control Tower/ROF MCAS Futenma			PROJECT NO. MC-216	
DATE JUL 1988	EST. YEAR JFY 93	CURRENT COST (\$000) 995		
CATEGORY CODE 141-70	PROGRAM ELEMENT			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY	SF	4,700	90.00	423
SUP FACILITIES	LS	-	-	572
SUBTOTAL				995
CONTINGENCY (5%)				0
TOTAL CONTR. COST				995
SIOH (6.5%)				0
TOTAL REQUEST				995
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
A reinforced concrete building combining a seven-story Air Traffic Control Tower and a one-story Radar Operations Facility (ROF). Construction includes central air conditioning and heating, fire protection system and security alarm system. Special features include emergency generator, sound proofing, external fire escape, and typhoon shutters on tower windows.				
Functional spaces in the Control Tower include a radar air traffic control room, elevator, communication equipment room, instrument control and back-up equipment room and restroom. ROF functional spaces include radar control room, equipment room, ground electronics maintenance shop, ready room, offices, break room, and restroom.				
Support facilities include site preparation, all required utilities (including 15-pair communications cable), underground communications ductline, parking, landscaping, sidewalks, trash enclosure, and two-lane asphalt access road.				

## REQUIREMENT:

The existing control tower is inadequate due to height, location and interior space deficiencies. Current problems include air surveillance difficulties and restricted visibility of the C-130 area.

The existing ROF is located in three portable vans where structural deficiencies, such as corrosion and leaks, seriously jeopardize equipment integrity.

Co-location of the Control Tower and ROF is necessary to provide a complete, integrated air traffic control facility, thus maximizing air traffic control operations efficiency and effectiveness.

## PROGRAMMING DATA:

ACTIVITY UIC: M67400	SPEC. AREA: AS
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

## PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
141-70	Control Tower	3,000	SF		
133-72	Radar Operations Facility	1,700	SF		
852-10	Parking Area	1,040	SY		
851-10	Access Road	3,950	SY		

## REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The site is vacant, is located on the side of the runway which allows the maximum opportunity for maintaining visual contact with aircraft, and is situated where it will be possible to maintain direct communications with Kadena Air Force Base.

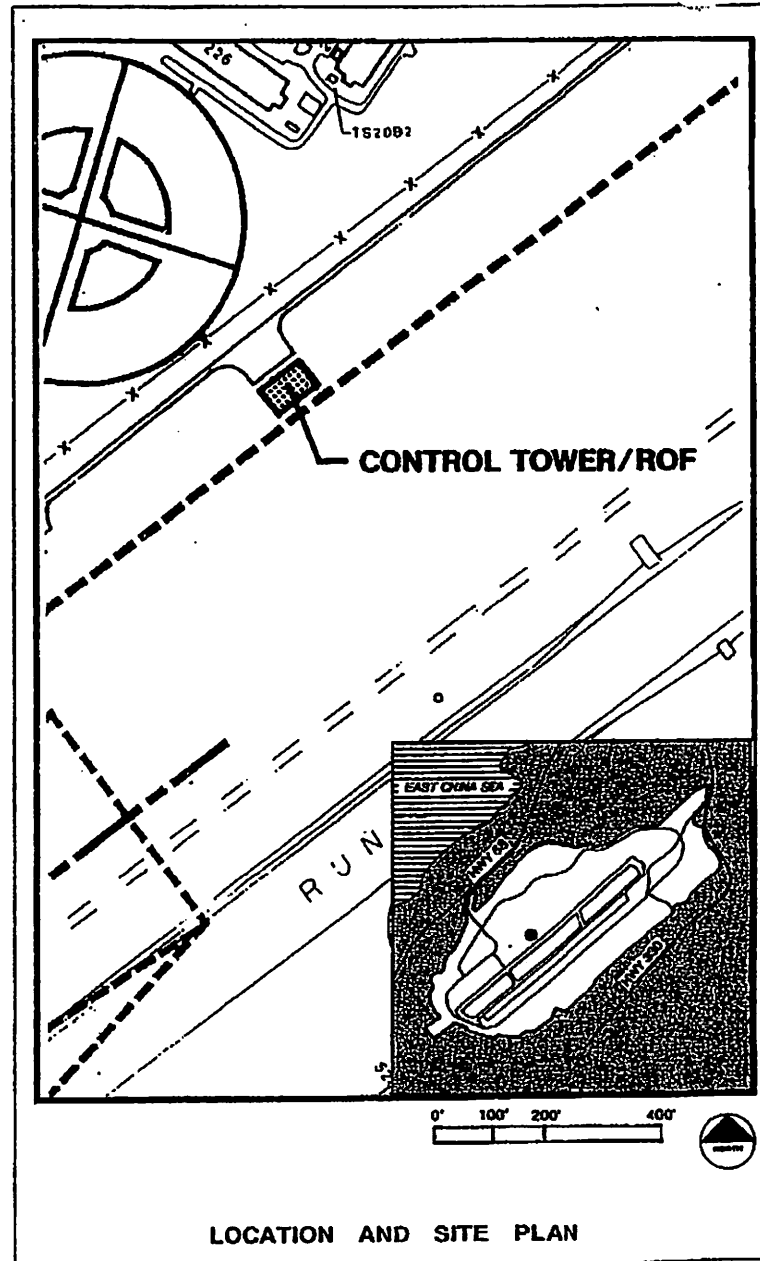
**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety	X		
Electromagnetic Radiation	X		
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Col. McDonald, USMC Date: June 1988  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**



**PROJECT DATA SHEET**

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<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> 1st MAW/MWHS-1 Headquarters MCAS Futenma		<b>PROJECT NO.</b> MC-379		
<b>DATE</b> JUL 1991	<b>EST. YEAR</b> JFY 93	<b>CURRENT COST (\$000)</b> 7,701		
<b>CATEGORY CODE</b> 610-70	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	66,200	107.72	7,131
SUP FACILITIES	LS	-	-	570
SUBTOTAL				7,701
CONTINGENCY (5%)				0
TOTAL CONTR. COST				7,701
SIQH (6.5%)				0
TOTAL REQUEST				7,701
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
A three-story, with basement, reinforced concrete headquarters building. Functional spaces include private offices, administrative areas, conference rooms, classrooms, library, storage rooms, locker/toilet/shower rooms, lounges, barber shop, snack bar and mechanical rooms. Also included is one helipad to be located on the roof of the building.				
Secure spaces of minimum 8" thick walls and roof deck, vault type doors, cypher locks, and iron bars on the windows are required.				
Support facilities include site preparation, all required utilities (including a 1,000-pair communication cable), asphalt paving for parking, area lighting, security fencing, landscaping, sidewalks, and trash enclosure.				

<b>REQUIREMENT:</b>					
The 1st Marine Air Wing is the parent command of all Marine Wing activities on Okinawa. MWHS-1 provides administrative support to the 1st MAW. 1st MAW and MWHS-1 activities are currently located at Camp Foster in inadequate facilities. The current FSR requires these activities to be located at MCAS Futenma. However, MCAS Futenma is deficient in headquarters facilities. This project will provide adequate spaces to conduct day-to-day operations and improve operational efficiency by consolidating these functions in one facility on MCAS Futenma.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
610-70	Wing Headquarters	55,700	SF		
610-72	Squadron Headquarters	10,500	SF		
852-10	Parking Area	8,520	SY		
852-35	Other Paved Area	1,140	SY		
111-20	Helicopter Landing Pad	1	EA		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Vacant site located near the main gate for easy access.

**EFD REVIEW/ANALYSIS:**

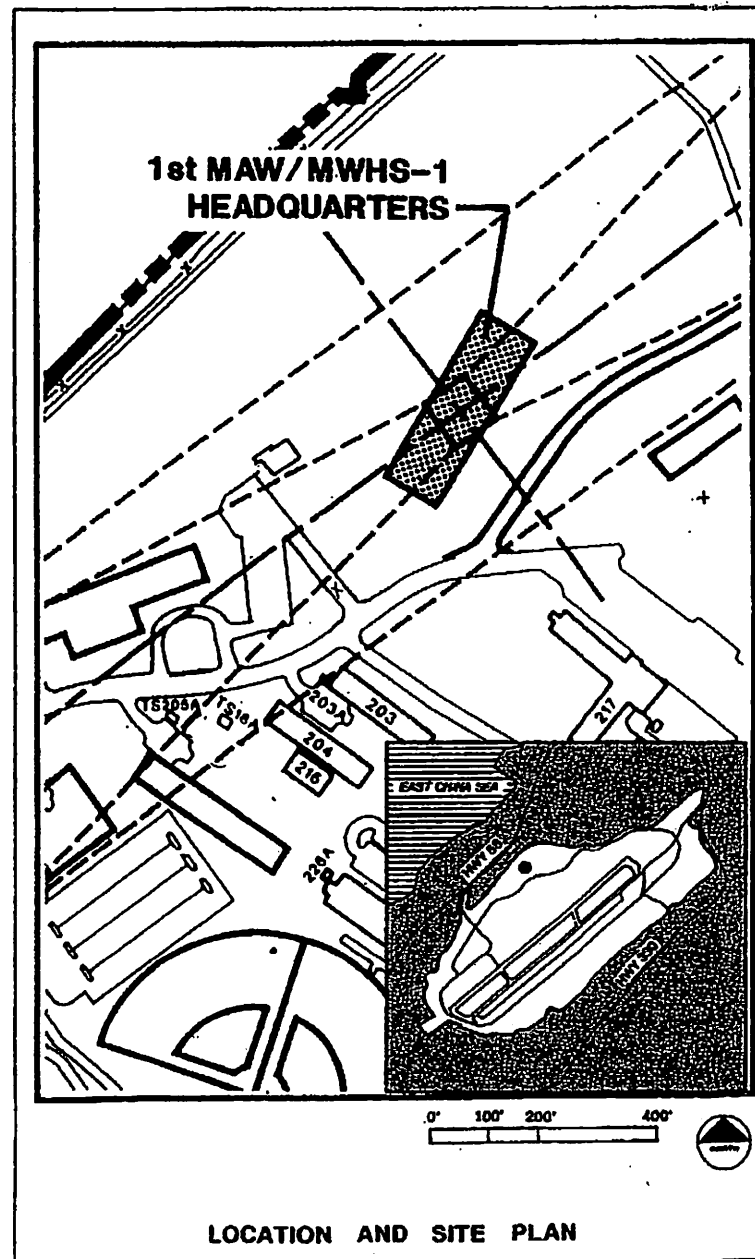
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety	X		(1)
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Lt. Col. Godwin, USMC Date: April 1991  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Waiver required for rooftop helipad.



## PROJECT DATA SHEET

INSTALLATION & LOCATION Camp Butler, Okinawa, Japan		COMPONENT Marine Corps		
PROJECT TITLE MATCS-18 Mobile Van Pad MCAS Futenma			PROJECT NO. MC-XX1	
DATE JAN 1992	EST. YEAR JFY 94	CURRENT COST (\$000) 100		
CATEGORY CODE 116-65	PROGRAM ELEMENT			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY	SY	1,000	80.00	80
SUP FACILITIES	LS	-	-	20
SUBTOTAL				100
CONTINGENCY (5%)				0
TOTAL CONTR. COST				100
SIQH (6.5%)				0
TOTAL REQUEST				100
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Concrete pads 10 inch thick with a 6-inch base course of gravel. Concrete pads include van tiedown anchors and flush-mounted conduits and lines.  Support facilities include site preparation (including excavation of a high area to remove a visual obstruction), all required utilities, lighting, and landscaping.				

## REQUIREMENT:

Marine Air Traffic Control Squadron-18 (MATCS-18) is responsible for operation of the airfield at MCAS Futenma two days a week. The mobile air traffic control station also provides emergency and backup airfield control when the control tower operations go down, as well as training for Marines. The mobile vans and generators necessary to fulfill this mission currently sit on bare ground, thus decreasing their useful life and increasing possibility of damage by typhoons. The van pad will alleviate these problems.

## PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

## PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
116-65	Tact. Supt. Van Pad	1,000	SY		

## REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The site is vacant and is located where it will permit the visual surveillance of the runway required for effective operations.

**EFD REVIEW/ANALYSIS:**

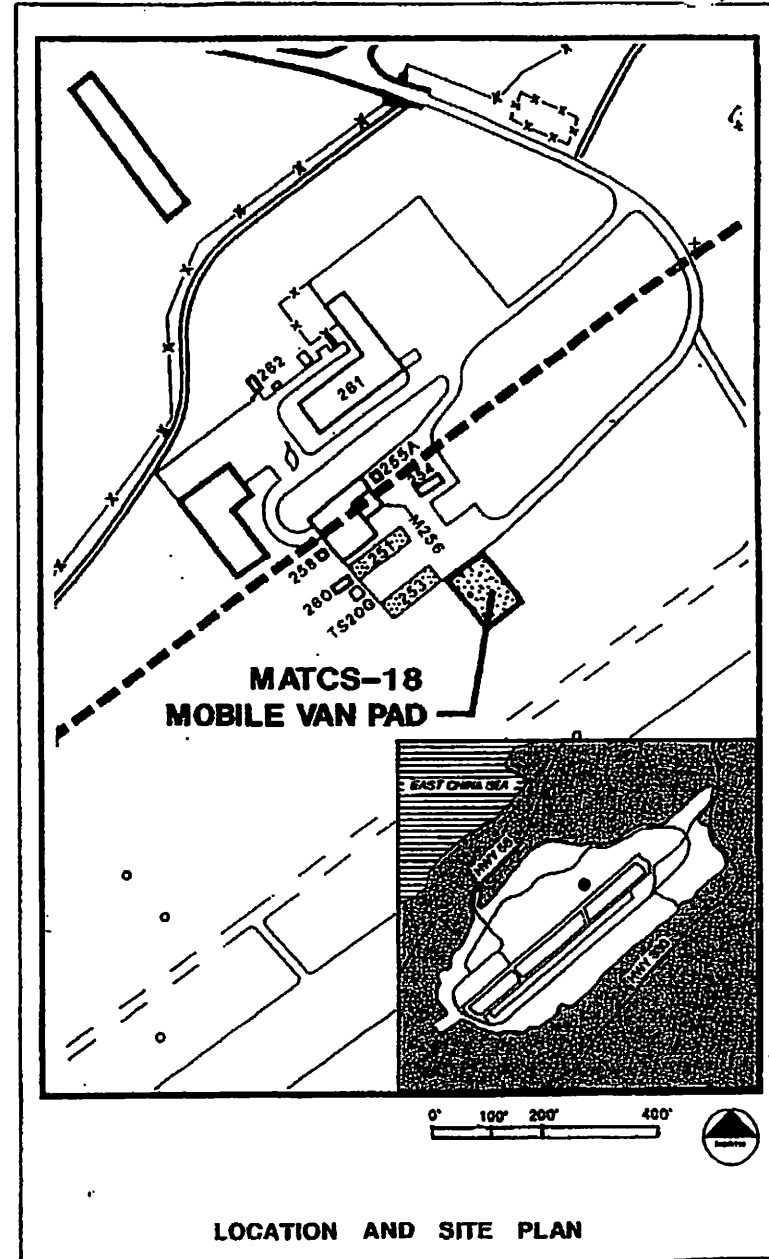
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety	X		Note (1)
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: \_\_\_\_\_ NO: X Deferred: \_\_\_\_\_  
 Name: Note (2) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

- (1) A waiver to allow this activity to occur in the clear zone is required.
- (2) Site approval request required.



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aircraft Parking Apron Upgrade (Phase IV) MCAS Futenma		<b>PROJECT NO.</b> MC-XX2		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 94	<b>CURRENT COST (\$000)</b> 20,800		
<b>CATEGORY CODE</b> 113-20	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	165,400	108.83	18,000
SUP FACILITIES	LS	-	-	2,800
SUBTOTAL				20,800
CONTINGENCY (5%)				0
TOTAL CONTR. COST				20,800
SIQH (6.5%)				0
TOTAL REQUEST				20,800
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
Reconstruction of approximately 116,300 SY of existing parking apron and new construction of an additional 49,100 SY of parking apron in the area adjoining the current parking apron. Project includes removal and replacement of sub-base and base course, and reconstruction of pavement structure with approximately 10-inch thick reinforced concrete pavement.				
In addition, padeyes (aircraft tiedown anchors), grounding points, lighting, flush mounted fire hydrants and utilities affected by demolition will be replaced. Shoulders will be stabilized and drainage upgraded for the pavement to be reconstructed.				

**REQUIREMENT:**

The parking apron subject to upgrading has deteriorated badly and has missing or badly corroded tie-down padeyes. To prevent further deterioration, these areas are limited to the use of lighter aircraft, which hinders airfield operations involving heavier aircraft.

Additional parking apron space is needed to meet NAVFAC P-80 requirements for spacing between parked aircraft and to provide required taxiways around parking areas.

This project will allow the Air Station to have full operational capacity to fulfill its mission.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND.
113-20	Aircraft Parking Apron	165,400	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____



**SITING RATIONALE:**

Project site is the last remaining portion of the parking apron requiring upgrade, and the area immediately beyond the end of the existing apron.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

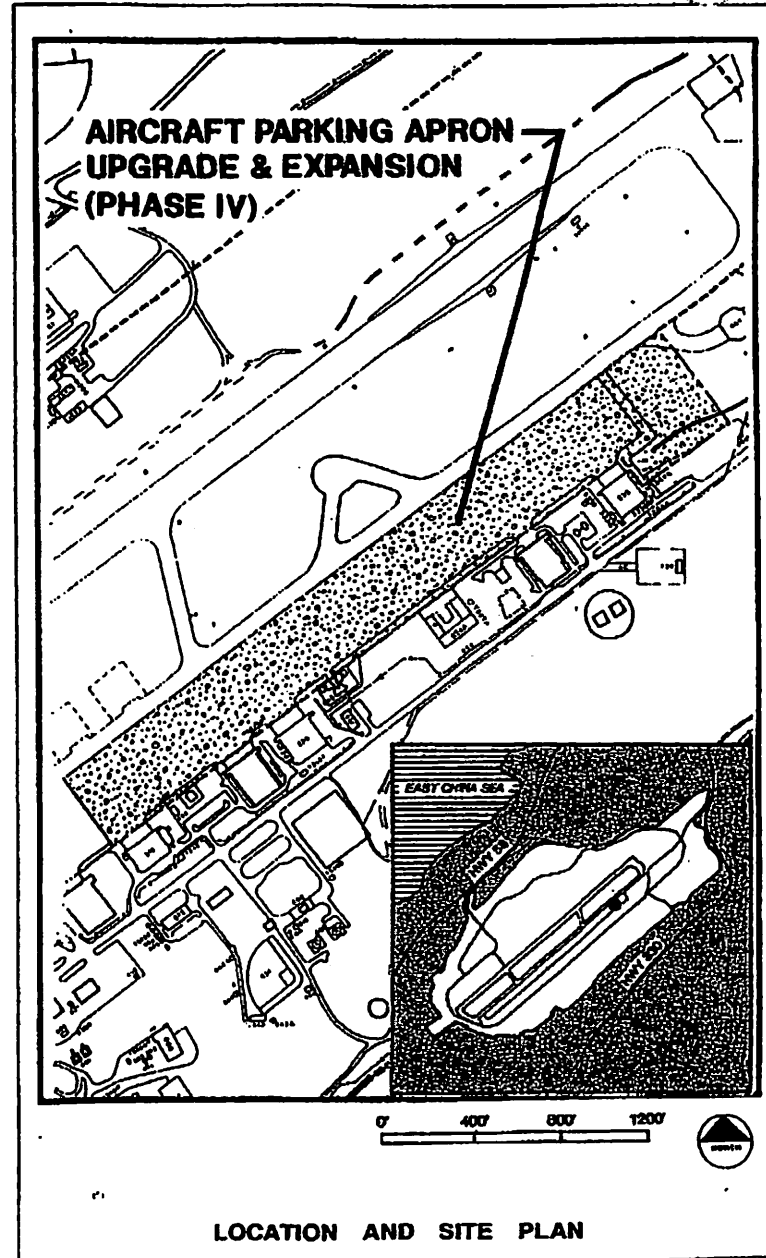
Site Approved: YES: NO: X Deferred: \_\_\_\_\_

Name: Note (1) Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Rnwy.24 Appr.Lights & Rnwy.6 Pvd.Ovm. MCAS Futenma			<b>PROJECT NO.</b> MC-XX3	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 94	<b>CURRENT COST (\$000)</b> 935		
<b>CATEGORY CODE</b> 111-10	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	16,700	50.00	835
SUP FACILITIES	LS	-	-	100
SUBTOTAL				935
CONTINGENCY (5%)				0
TOTAL CONTR. COST				935
SIOH (6.5%)				0
TOTAL REQUEST				935
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A 1,000-foot long 150-foot wide paved overrun extension of Runway 6, and instrument approach lighting system on Runway 24. The overrun extension will consist of reinforced concrete pavement on gravel base course.				

<b>REQUIREMENT:</b> The paved overrun is needed to minimize the potential for damage should an aircraft require additional runway to stop in an emergency.  Currently, instrument landings are possible only on Runway 6, under prevailing wind conditions. Approach lights are needed on Runway 24 to also allow instrument landings on this runway during other than prevailing wind conditions.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
111-10	Runway/Fixed Wing	16,700	SY		
134-30	Grnd. Control Appr. Sys.	1	EA		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Sites are vacant, and are the only locations which meet operational requirements for accomplishing the intended purposes of each project.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

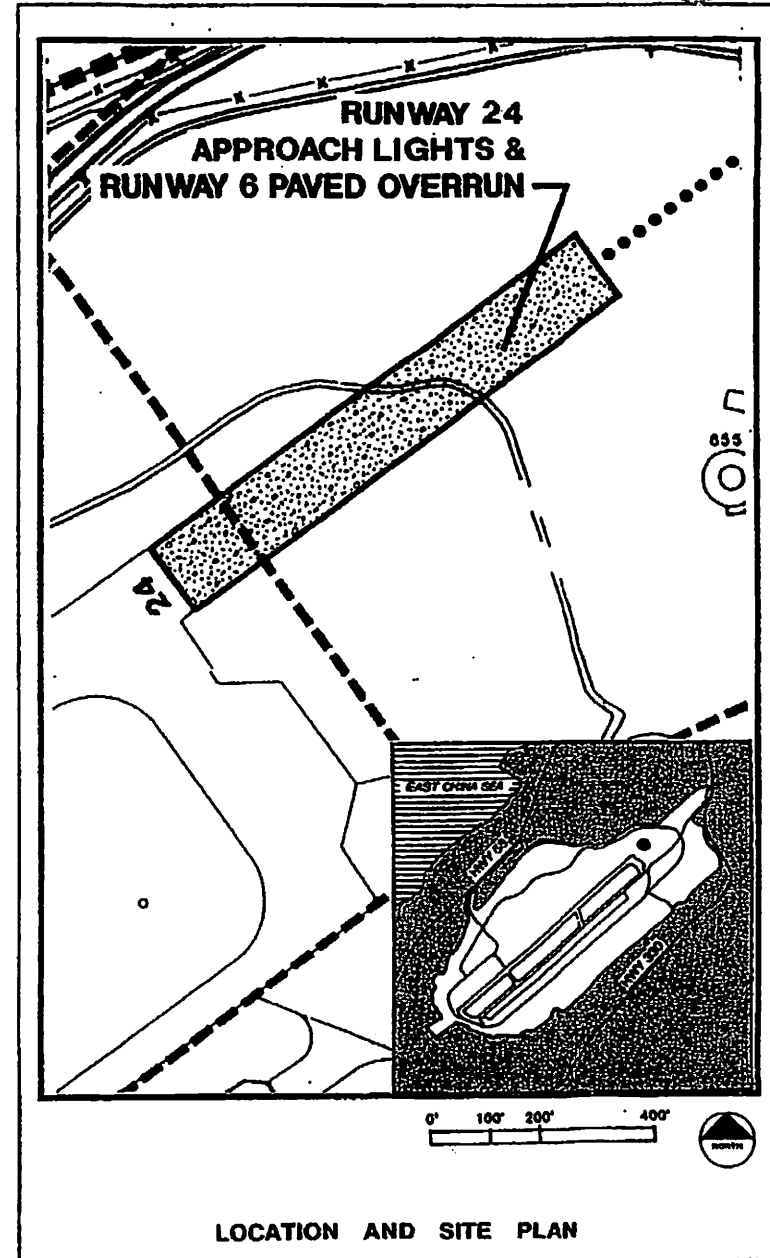
Site Approved: YES: NO: X Deferred: \_\_\_\_\_

Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



**PROJECT DATA SHEET**

132

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan			<b>COMPONENT</b> Marine Corps	
<b>PROJECT TITLE</b> Acad.Instr./MTS/Btry.HQ MCAS Futenma			<b>PROJECT NO.</b> MC-XX4	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 95	<b>CURRENT COST (\$000)</b> 2,500		
<b>CATEGORY CODE</b> 171-10		<b>PROGRAM ELEMENT</b>		
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	12,300	170.00	2,091
SUP FACILITIES	LS	-	-	409
<b>SUBTOTAL</b>				2,500
<b>CONTINGENCY (5%)</b>				0
<b>TOTAL CONTR. COST</b>				2,500
<b>SIOH (6.5%)</b>				0
<b>TOTAL REQUEST</b>				2,500
<b>EQUIP FR OTH APPR</b>				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
A two-story reinforced concrete facility. Functional spaces include classrooms, faculty and administrative offices, restrooms, and a 2-story Moving Target Simulator (MTS) room. Also included are administrative offices, a conference room, and restrooms for the battery headquarters.				
Support facilities include site preparation, all required utilities, area lighting, asphalt paving, sidewalks, landscaping, and trash enclosure.				

<b>REQUIREMENT:</b>					
Currently, instruction space for the 1st LAAD Battalion is located in a substandard, semi-permanent building and does not include a required Moving Target Simulator(MTS). Marines from MCAS Futenma must be transported to Korea to undergo training at an MTS. Headquarters space for one battery of 1st LAAD Battalion is also lacking.					
The new building would meet these deficiencies in a single consolidated facility.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
<b>CCN</b>	<b>DESCRIPTION</b>	<b>SCOPE</b>	<b>U/M</b>	<b>CC/MC</b>	<b>VAL IND</b>
171-10	Academic Instruction	4,800	SF		
171-35	Operational Trainer Facility	4,400	SF		
610-73	Battery Headquarters	3,100	SF		
852-10	Parking Area	1,840	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
GMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Vacant site within the battalion's existing compound. Maintains unit integrity and functional efficiency.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

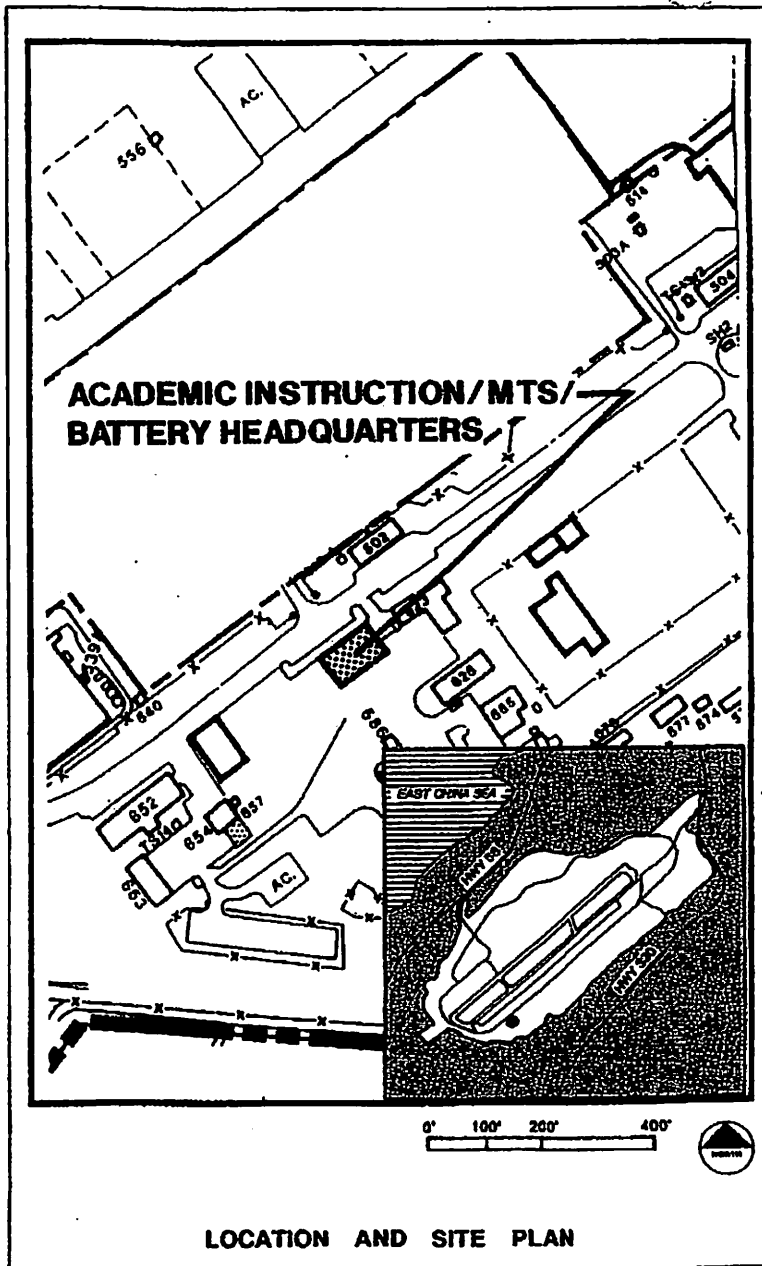
Site Approved: YES: \_\_\_\_\_ NO: X \_\_\_\_\_ Deferred: \_\_\_\_\_

Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



**PROJECT DATA SHEET**

134

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan			<b>COMPONENT</b> Marine Corps	
<b>PROJECT TITLE</b> Comm./Elec.Maint. Shop & Org.Unit Storage MCAS Futenma			<b>PROJECT NO.</b> MC-XX5	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 95	<b>CURRENT COST (\$000)</b> 1,900		
<b>CATEGORY CODE</b> 217-10	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	11,500	134.96	1,552
SUP FACILITIES	LS	-	-	348
SUBTOTAL				1,900
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,900
SIOH (6.5%)				0
TOTAL REQUEST				1,900
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story, reinforced concrete building. Functional spaces include radio equipment storage and work areas, administration space, supply room, training room, restrooms, and mechanical equipment room for the Communications/Electronics Maintenance Shop. Within the building is an additional area for organic unit storage, including an office for administration.  Support facilities include site preparation, all required utilities, asphalt paving, landscaping, sidewalks, and trash enclosure.				

<b>REQUIREMENT:</b> Marine Air Control Squadron-4 (MACS-4) activities are currently split between many small, substandard buildings, which severely compromises their operational efficiency. The existing Comm./Elec. Shop (Building 439) is too small and not appropriately configured for the variety of activities and functions (i.e., repair and maintenance, training, storage, administration) that must be accommodated.  The existing warehouse is substandard in construction.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
217-10	Comm/Elec. Maint. Shop	7,500	SF		
441-12	Organic Unit Storage	4,000	SF		
852-10	Parking Area	800	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Vacant site within the MACS-4 compound. Unit integrity is maintained without disrupting existing operations.

**EFD REVIEW/ANALYSIS:**

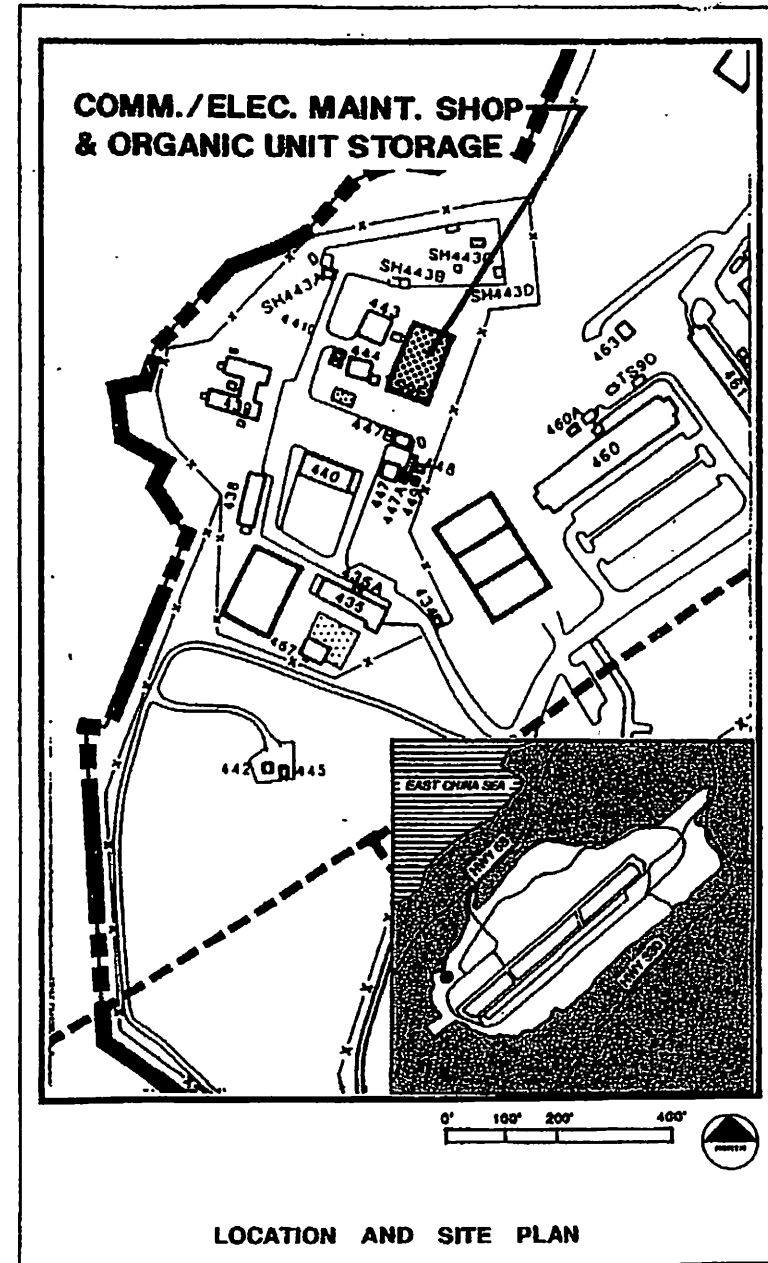
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



LOCATION AND SITE PLAN

**PROJECT DATA SHEET**

136

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aviation Support Maintenance Shop MCAS Futenma		<b>PROJECT NO.</b> MC-XX6		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 95	<b>CURRENT COST (\$000)</b> 1,850		
<b>CATEGORY CODE</b> 211-54	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	10,300	150.00	1,545
SUP FACILITIES				305
SUBTOTAL				1,850
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,850
SIOH (6.5%)				0
TOTAL REQUEST				1,850
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story reinforced concrete building. Functional spaces include an armament weapons support equipment work center, armament equipment holding shed, training/conference room, administrative offices (including technical representatives), storage, restrooms, and mechanical equipment room.  Support facilities include site preparation, all required utilities, lighting, asphalt paving, landscaping, sidewalks and trash enclosure.				

<b>REQUIREMENT:</b> The existing MALS-36 Aviation Armament Shop is in a substandard building which provides less than one-half the required space. This building will fulfill MCAS Futenma's total requirement for such facilities.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
211-54	Aviation Armament Shop	10,300	SF		
823-10	Parking Area	960	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		



**SITING RATIONALE:**  
Sited in a relatively remote location from other buildings and personnel.

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**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AIGUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

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**HQMC VALIDATION:**

Site Approved: YES: X NO: \_\_\_\_\_ Deferred: \_\_\_\_\_

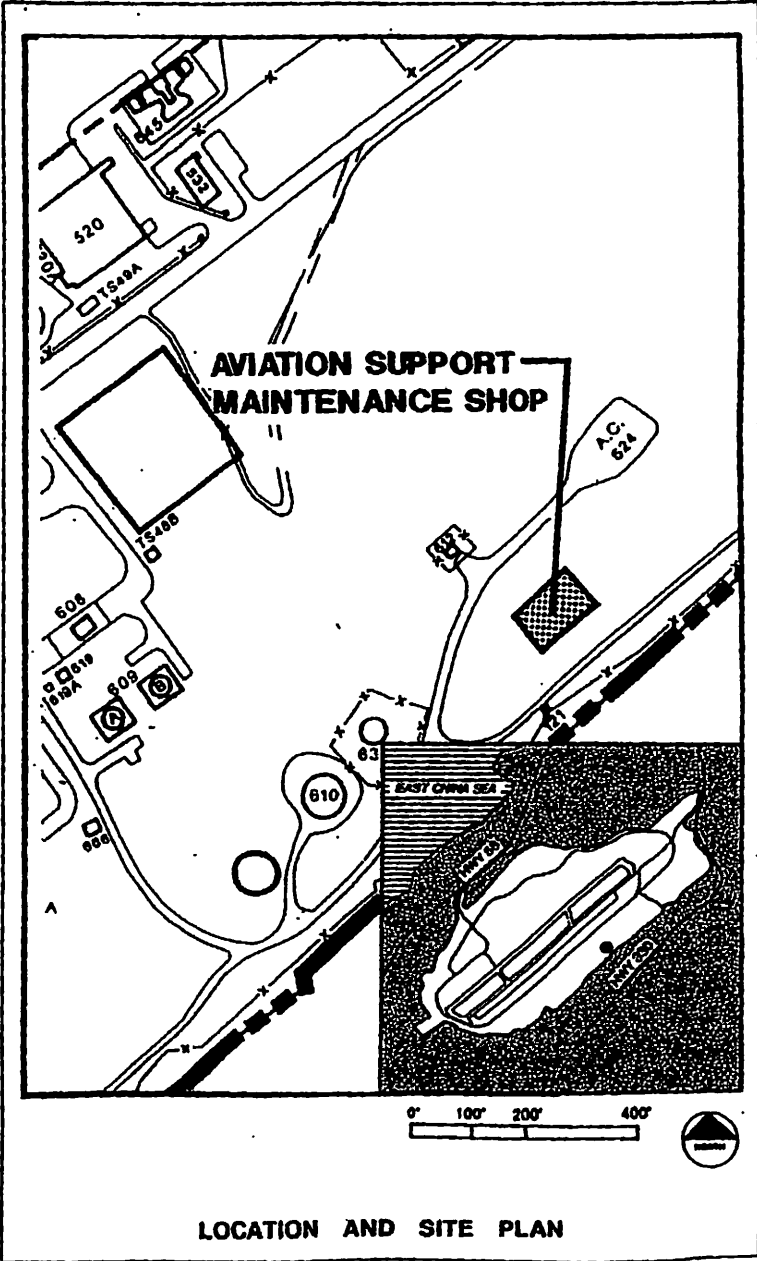
Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

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**NOTES:**

(1) Site approval request required.



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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Potable Water Storage Tank MCAS Futenma		<b>PROJECT NO.</b> MC-XX7		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 95	<b>CURRENT COST (\$000)</b> 527		
<b>CATEGORY CODE</b> 841-40	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	GA	500,000	0.91	455
SUP FACILITIES	LS	-	-	72
SUBTOTAL				527
CONTINGENCY (5%)				0
TOTAL CONTR. COST				527
SIOH (6.5%)				0
TOTAL REQUEST				527
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A ground level steel potable water storage tank. Support facilities include site preparation and all required utilities connections.				

**REQUIREMENT:**

The gradual expansion of MCAS Futenma has resulted in the steady increase in the demand for potable water and an adequate storage capacity.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
841-40	Water Storage Tank	500,000	GA		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The location near to and at the same elevation as the existing water tank will allow the two tanks to be used in tandem, as a single storage system.

**EFD REVIEW/ANALYSIS:**

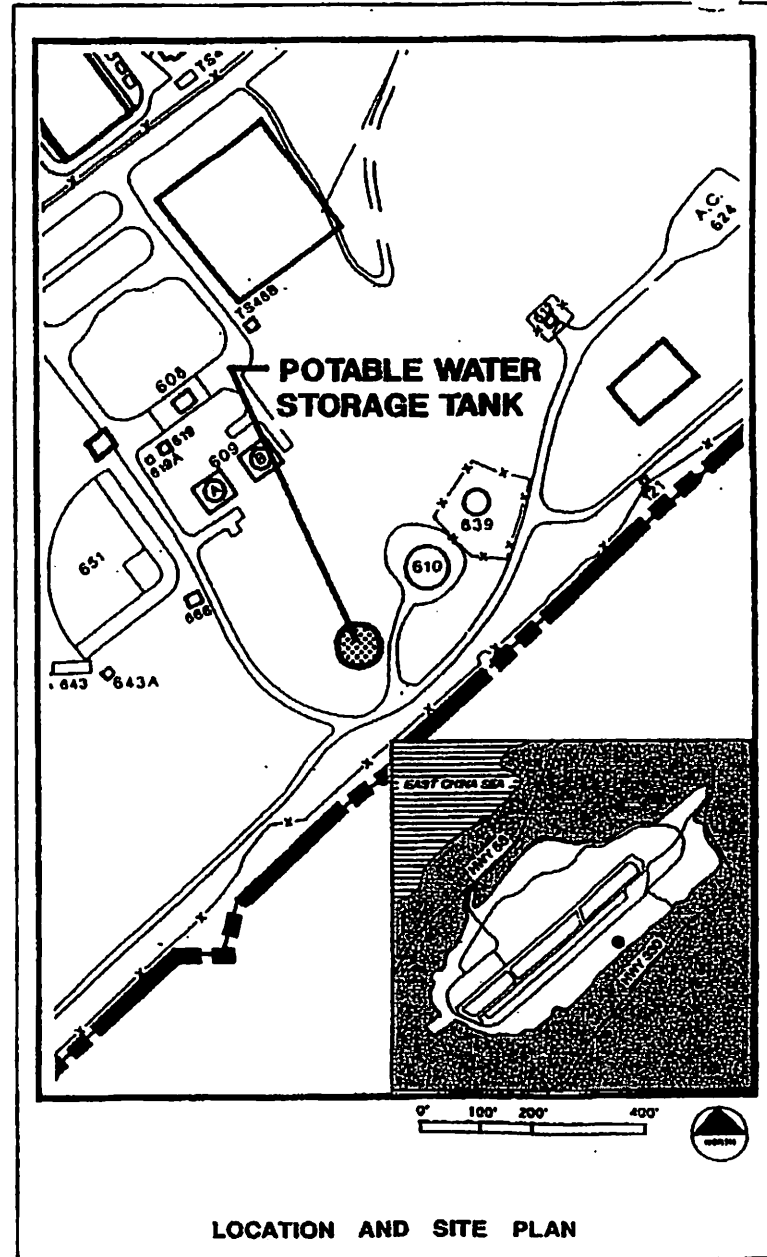
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact	X		Note (1)
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (2) Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

- (1) Potential cultural resource site.
- (2) Site approval request required.



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## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Comm./Elec. Maintenance Shop MCAS Futenma		<b>PROJECT NO.</b> MC-XXB		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 95	<b>CURRENT COST (\$000)</b> 1,150		
<b>CATEGORY CODE</b> 217-10	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	6,000	160.00	960
SUP FACILITIES	LS	-	-	190
SUBTOTAL				1,150
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,150
SIOH (6.5%)				0
TOTAL REQUEST				1,150
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
A one-story, reinforced concrete building. Functional spaces include radio equipment storage and work area, administration space, supply room, training room, restrooms, and mechanical equipment room.				
Support facilities include site preparation, all required utilities, lighting, asphalt paving, landscaping, sidewalk and trash enclosure.				

**REQUIREMENT:**

Communications and electronics maintenance for MASS-2 is currently crowded into insufficient space in the unit's headquarters building. The new facility resolves the communications/electronics maintenance space deficiency and also relieves the shortage of administration space. The existing space will be converted back battalion headquarters, its assigned use.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
217-10	Comm./Elec.Maint.Shop	6,000	SF		
852-10	Parking Area	560	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The site is vacant and within the MASS-2 compound, thus maintaining integrity and operational efficiency without disrupting existing operations.

**EFD REVIEW/ANALYSIS:**

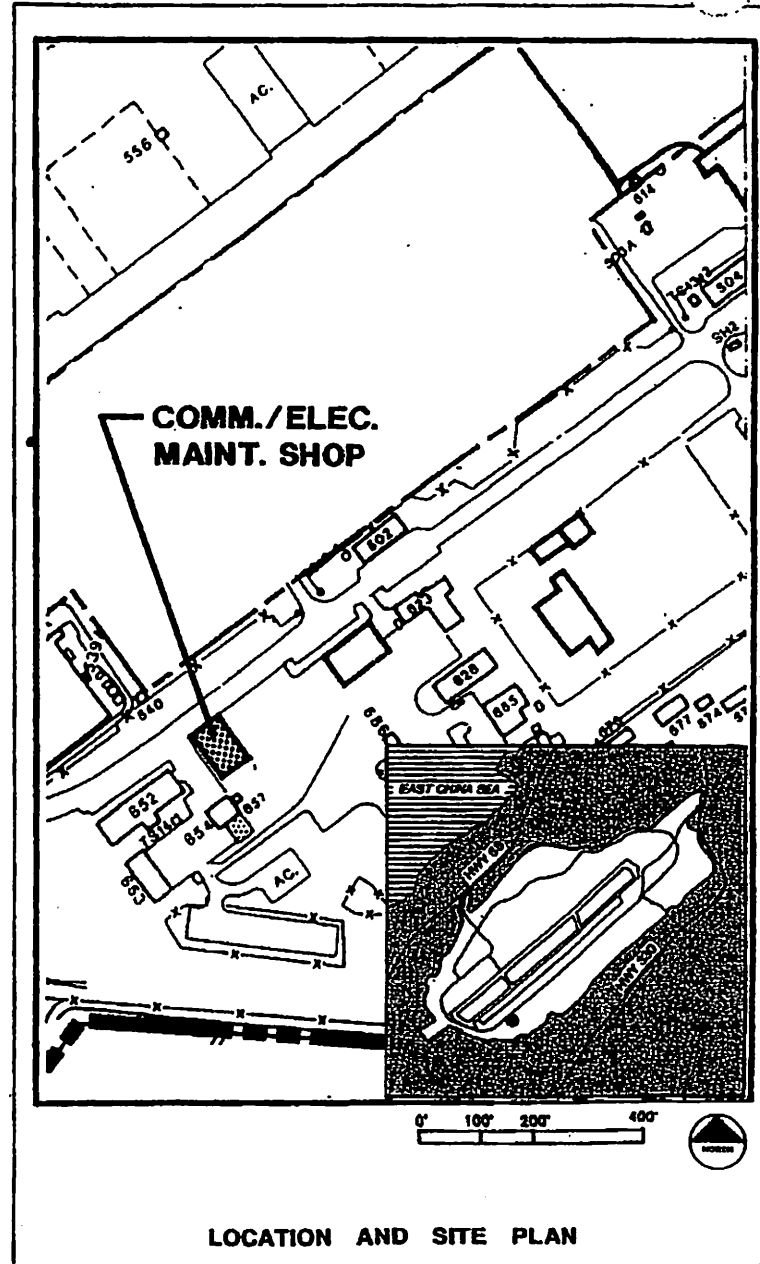
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES:      NO: X      Deferred: \_\_\_\_\_  
 Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X      NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



LOCATION AND SITE PLAN

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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan			<b>COMPONENT</b> Marine Corps	
<b>PROJECT TITLE</b> Aircraft Maintenance Hangar MCAS Futenma			<b>PROJECT NO.</b> MC-XX9	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 96	<b>CURRENT COST (\$000)</b> 5,839		
<b>CATEGORY CODE</b> 211-05	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	38,800	134.33	5,212
SUP FACILITIES				627
SUBTOTAL				5,839
CONTINGENCY (5%)				0
TOTAL CONTR. COST				5,839
SIQH (6.5%)				0
TOTAL REQUEST				5,839
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
<p>Type I aircraft maintenance hangar with combination of two-story 01 and 02 spaces and a high maintenance bay (OH) space, all of reinforced concrete. Included are central heating and air conditioning (01 and 02 spaces only), lighting (including emergency and special hangar lighting), foam/water fire protection system, insulation, communication cables, and energy monitoring control system (EMCS) provisions.</p> <p>Special features include bird proof overhead netting, 10-ton capacity overhead monorail bridge cranes in hangar bay and machine shop, air compressor system, and power operated hangar doors.</p> <p>Support facilities include concrete aircraft access apron, detached CH-46 fuel tank storage building, and detached hazardous/flammable storage shed. Also included are site preparation, all required utilities (including a 40-pair communications cable), asphalt paving, lighting, landscaping, sidewalks and trash enclosure.</p>				

<b>REQUIREMENT:</b> MCAS Futenma is deficient in adequate weather-protected maintenance space for the helicopter squadrons assigned to MAG-36. This hangar will provide the required servicing and repair accommodations, crew and equipment space, and administrative space for one HMM (CH-46) Squadron. In addition, it will provide essential emergency shelter space for protecting aircraft during damaging weather conditions prevalent in Okinawa.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
211-05	Maintenance Hangar-OH	20,000	SF		
211-06	Maintenance Hangar-01	10,200	SF		
211-07	Maintenance Hangar-02	8,600	SF		
113-40	Aircraft Access Apron	1,300	SY		
852-10	Parking Area	2,000	SY		
852-35	Other Paved Area	300	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

The site is vacant and located where parking apron space can be provided within reasonable proximity of the hangar.

**EFD REVIEW/ANALYSIS:**

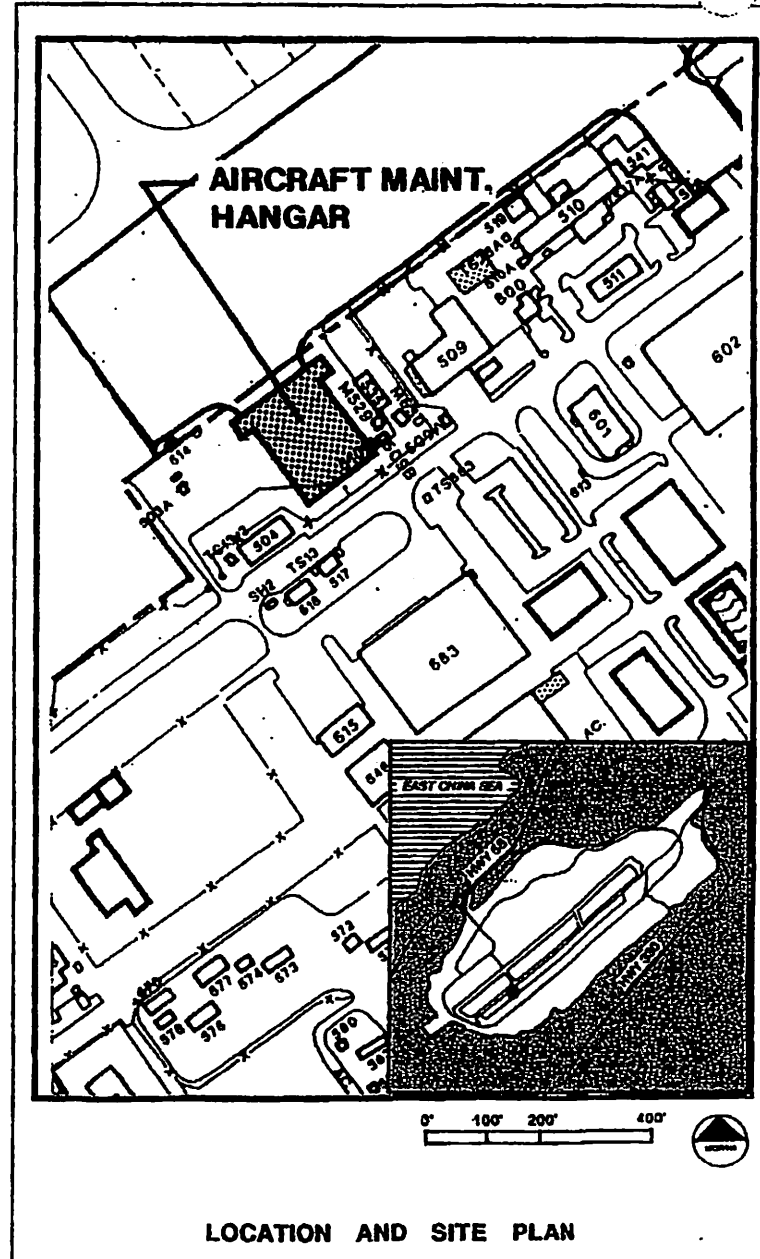
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES:      NO: X      Deferred: \_\_\_\_\_  
 Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X      NO:

**NOTES:**

(1) Site approval request required.



**PROJECT DATA SHEET**

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<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan			<b>COMPONENT</b> Marine Corps	
<b>PROJECT TITLE</b> Turner Road Extension MCAS Futenma			<b>PROJECT NO.</b> MC-X10	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 96	<b>CURRENT COST (\$000)</b> 970		
<b>CATEGORY CODE</b> 851-10		<b>PROGRAM ELEMENT</b>		
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SY	19,400	50.00	970
SUP FACILITIES	LS	-	-	0
SUBTOTAL				970
CONTINGENCY (5%)				0
TOTAL CONTR. COST				970
SIOH (6.5%)				0
TOTAL REQUEST				970
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Upgrade and extension of approximately 19,400 SY of gravel road, from the current terminus of Turner Road near the Officers Club, on to Geiger Road in the vicinity of Gate 3. The new pavement will be 24-foot wide and constructed of asphalt on a gravel base course.  Support facilities include site preparation, all required utilities, and landscaping.				

**REQUIREMENT:**

Currently, there is only a single roadway connecting traffic from the MATCS-18, MVR and troop housing areas on the northwesterly (shore) side of the runway with operations on the opposite (Inland) side of the runway. Vehicles traveling between the northwest and northeast ends of the installation must take a lengthy and roundabout route around the southerly end of the runway. Planned construction of a new 1st MAW Headquarters will further aggravate this problem.

The new route will improve access, reduce driving time, and decrease emergency response time to the northerly area of the Air Station.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M87400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
851-10	Road	19,400	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____



**SITING RATIONALE:**

The road follows the route of the existing security patrol road and links the facilities at the northwest and northeast ends of the Air Station.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

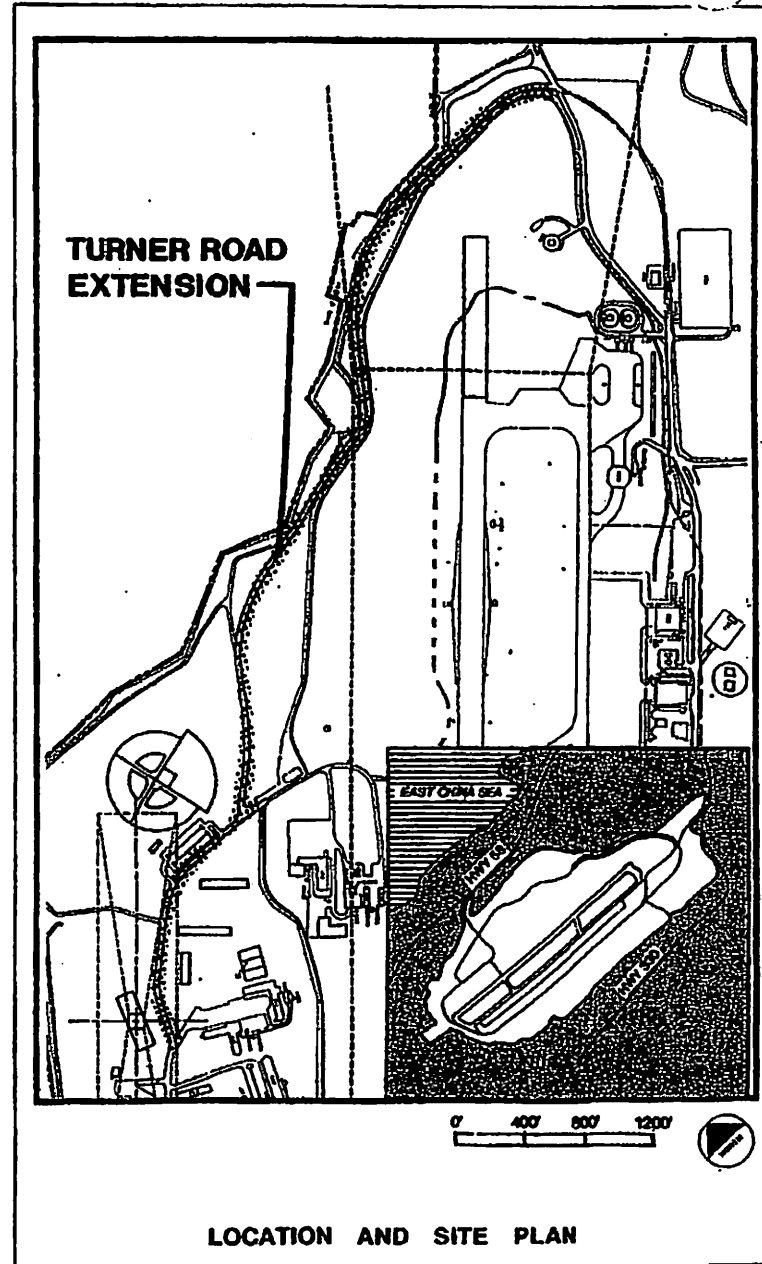
Site Approved: YES: NO: X Deferred: \_\_\_\_\_

Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



## PROJECT DATA SHEET

INSTALLATION & LOCATION Camp Butler, Okinawa, Japan		COMPONENT Marine Corps		
PROJECT TITLE Gate 4E Access Road Upgrade MCAS Futenma			PROJECT NO. MC-X11	
DATE JAN 1992	EST. YEAR JFY 96	CURRENT COST (\$000) 130		
CATEGORY CODE 851-10	PROGRAM ELEMENT			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY	SY	2,600	50.00	130
SUP FACILITIES				0
SUBTOTAL				130
CONTINGENCY (5%)				0
TOTAL CONTR. COST				130
SIQH (6.5%)				0
TOTAL REQUEST				130
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Paving and any necessary widening of Gate 4E Access Road. The new pavement will be 24 feet wide and constructed of asphalt on a gravel base course.  Support facilities include site preparation, all required utilities, and landscaping.				

## REQUIREMENT:

Gate 3 is the current access road to MCAS Futenma from the north and east side of Ginowan City. However, since this gate is within the runway clear zones, it should be closed to regular use. Gate 4E can function equally well as the point of access to MCAS Futenma from the surrounding portions of Ginowan City, and will also conform to airfield safety criteria.

## PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

## PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
851-10	Road	2,600	SY		

## REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASES.JAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

Existing, seldom used gate which can be upgraded at minimum cost, and without disruption to existing operations. Convenient to same portions of Ginowan City as Gate 3. Outside of airfield clear zone.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prefim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

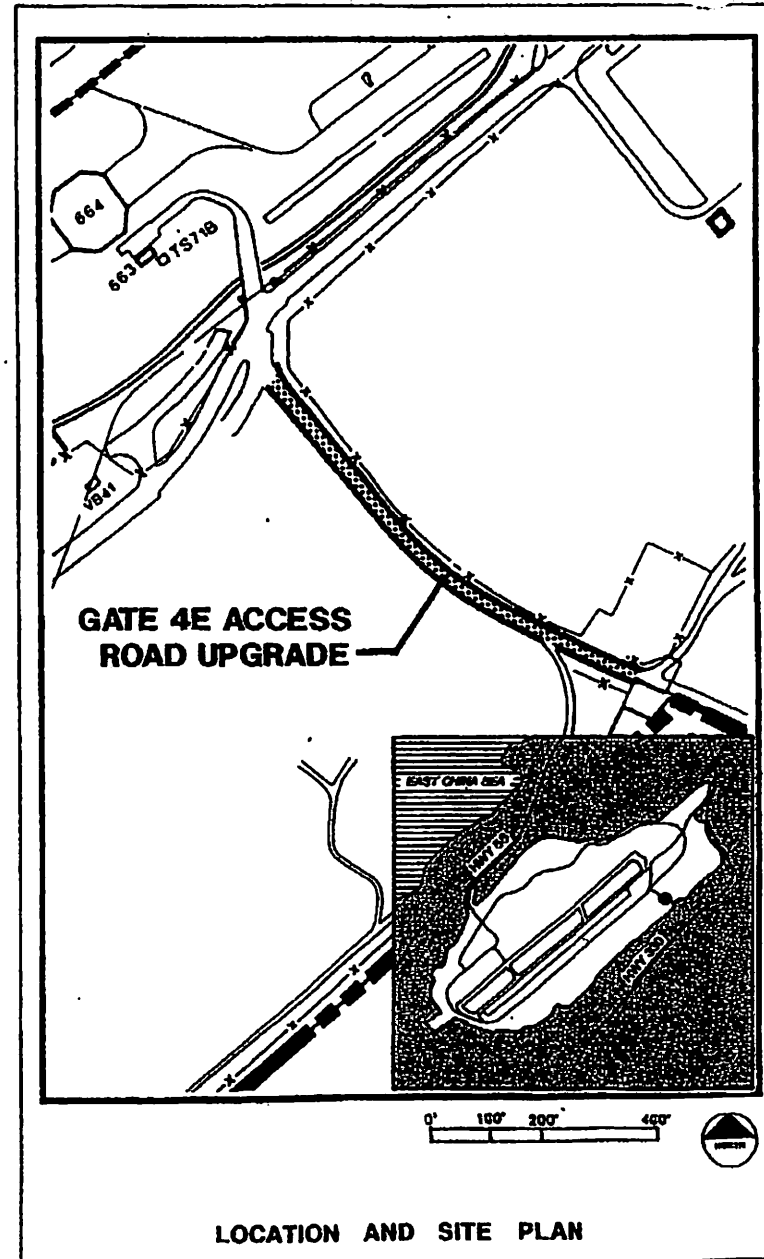
Site Approved: YES: NO: X Deferred: \_\_\_\_\_

Name: Note (1) Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO:

**NOTES:**

(1) Site approval request required.



## PROJECT DATA SHEET

INSTALLATION & LOCATION Camp Butler, Okinawa, Japan		COMPONENT Marine Corps		
PROJECT TITLE Flight Line Security Fence & Patrol Rd. MCAS Futenma		PROJECT NO. MC-X12		
DATE JAN 1992	EST. YEAR JFY 96	CURRENT COST (\$000) 1,255		
CATEGORY CODE 851-10	PROGRAM ELEMENT			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY	LF	28,000	40.00	1,120
SUP FACILITIES	SY	2,700	50	135
SUBTOTAL				1,255
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,255
SIOH (6.5%)				0
TOTAL REQUEST				1,255
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> Approximately 28,000 linear feet of security fencing to enclose the runway, taxiways and aircraft parking aprons, flight line operations and maintenance structures adjacent to the parking apron. Also approximately 2,000 linear feet of a 12-foot wide patrol road constructed of asphalt pavement on a gravel base course. (Roadway to be provided in areas where existing roads are not available to provide access to and along the security fence.)  Support facilities include site preparation and landscaping.				

## REQUIREMENT:

Safety and security of the flightline require that access to this area be prohibited to many who otherwise have legitimate reasons to be on the Air Station. The fencing and patrol road will meet the need for a barrier to such access, and will provide for its efficient patrolling to maintain proper security.

## PROGRAMMING DATA:

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

## PROJECT DETAIL DATA:

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
872-10	Security Fencing	28,000	LF		
851-10	Road	2,700	SY		

## REQUIREMENT CERTIFICATION:

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

The security fence and patrol road are sited where required to adequately protect Air Station flight line operations.

**EFD REVIEW/ANALYSIS:**

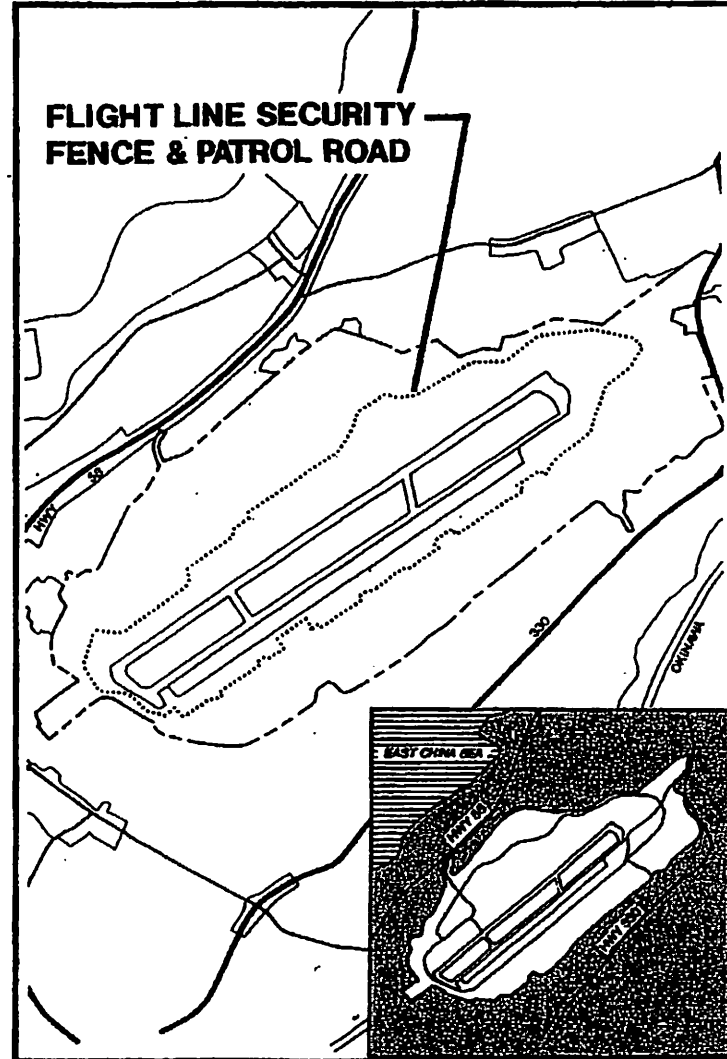
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	Note (2)

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO:

**NOTES:**

- (1) Site approval request required.  
 (2) Relocation of tacit farm land required.

**FLIGHT LINE SECURITY FENCE & PATROL ROAD**

LOCATION AND SITE PLAN

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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Squadron HQ/Tact. Air Ops. Center MCAS Futenma			<b>PROJECT NO.</b> MC-X13	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 97	<b>CURRENT COST (\$000)</b> 1,580		
<b>CATEGORY CODE</b> 610-72	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	7,100	180.00	1,278
SUP FACILITIES	LS	-	-	302
SUBTOTAL				1,580
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,580
SIOH (6.5%)				0
TOTAL REQUEST				1,580
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A two-story reinforced concrete building. Functional spaces include squadron administrative offices, conference room, tactical air operations center, equipment room, restrooms, and mechanical equipment room.  Support facilities include site preparation, all required utilities, asphalt paving, landscaping, sidewalks, trash enclosure, demolition of buildings 437, 437A, 437-B, and construction of a replacement hazardous/flammable storage facility.				

<b>REQUIREMENT:</b> Many small buildings which were not originally built for their current use house MACS-4 functions, and as a result many functions are split between two or more buildings. To increase operational efficiency and eliminate deficiencies, functions should where possible be consolidated into a single building.  The Tactical Air Operations Center is required to control air traffic approaching MCAS Futenma prior to control of landings and takeoffs by MATCS-18. At 1,392 square feet, the existing facility (Building 457) provides less than one-third of the required 4,425 square feet of space. The squadron presently has only 6,500 SF of its required 10,600 SF of headquarters space.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	M67400	SPEC. AREA:	AS		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
610-72	Squadron Headquarters	4,100	SF		
171-35	Operational Trainer Facility	3,000	SF		
852-10	Parking Area	1,040	SY		
143-78	Ops. Haz./Flam. Storage	200	SF		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Vacant site (after the demolition of three small, substandard haz./flam. storage buildings) within and near the entrance to the MACS-4 compound; permits construction of new facility without disrupting existing operations.

**EFD REVIEW/ANALYSIS:**

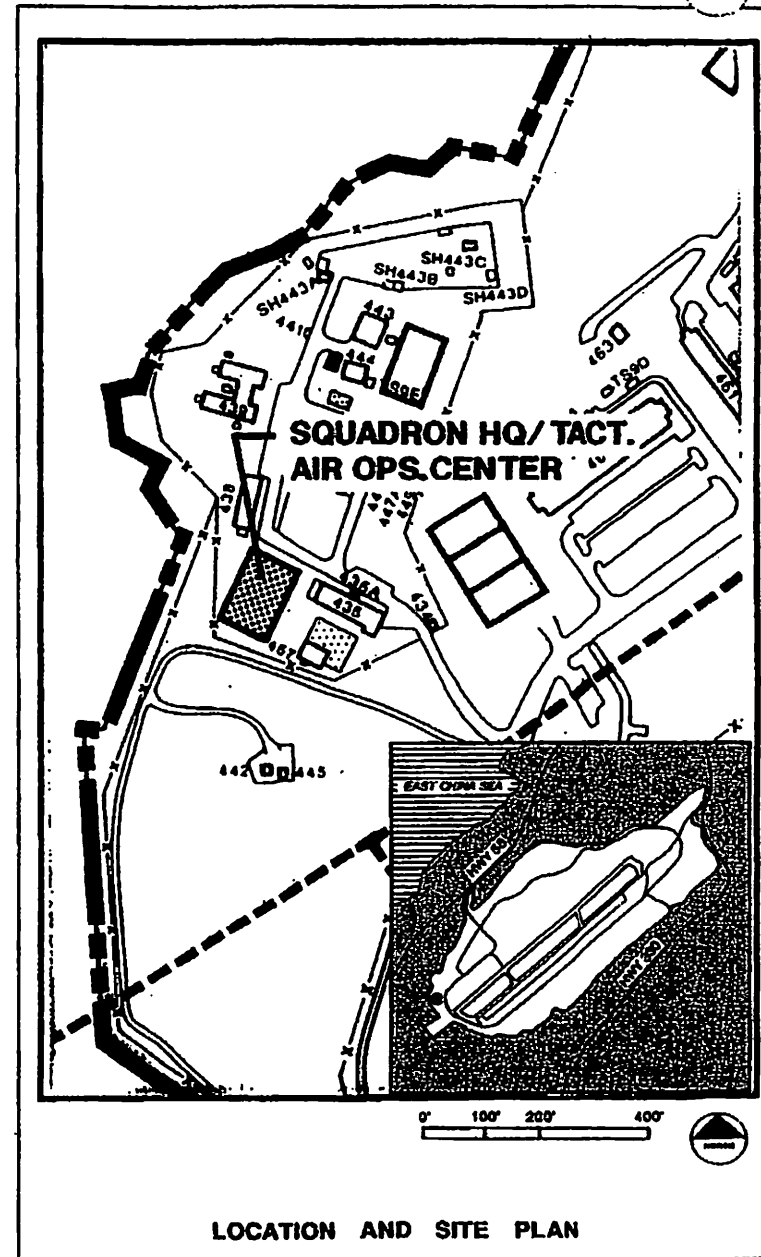
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO:

**NOTES:**

(1) Site approval request required.



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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> MACG-18 Admin./H&HS-18 Comm./Elec. MCAS Futenma			<b>PROJECT NO.</b> MC-X14	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 97	<b>CURRENT COST (\$000)</b> 1,450		
<b>CATEGORY CODE</b> 610-71	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	7,500	160.00	1,200
SUP FACILITIES	LS	-	-	250
SUBTOTAL				1,450
CONTINGENCY (5%)				0
TOTAL CONTR. COST				1,450
SIOH (6.5%)				0
TOTAL REQUEST				1,450
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A two-story reinforced concrete building. Functional spaces include administrative offices, a conference room, radio equipment storage and work area, supply room, training room, restrooms, and mechanical equipment room.  Support facilities include site preparation, all required utilities, asphalt paving, landscaping, sidewalks, and trash enclosure.				

**REQUIREMENT:**

Most administrative space for MACG-18 Group Headquarters and H&HS-18 is housed in a new two-story building. However, remaining functions are scattered in several small and substandard facilities. The new building will address the remaining administrative space deficiency. It will also provide adequate space for H&HS-18's Communication/Electronics Maintenance Shop; which is presently housed in a substandard building inappropriately configured for its functions.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL. IND
610-71	Group Headquarters	5,100	SF		
217-10	Comm./Elec.Maint.Shop	2,000	SF		
217-17	Electronics Spares Storage	400	SF		
852-10	Parking Area	1,120	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____



**SITING RATIONALE:**

Near the existing headquarters building, thus maintaining unit integrity, and operational efficiency. Existing facilities on the site are programmed for replacement and will become surplus.

**EPD REVIEW/ANALYSIS:**

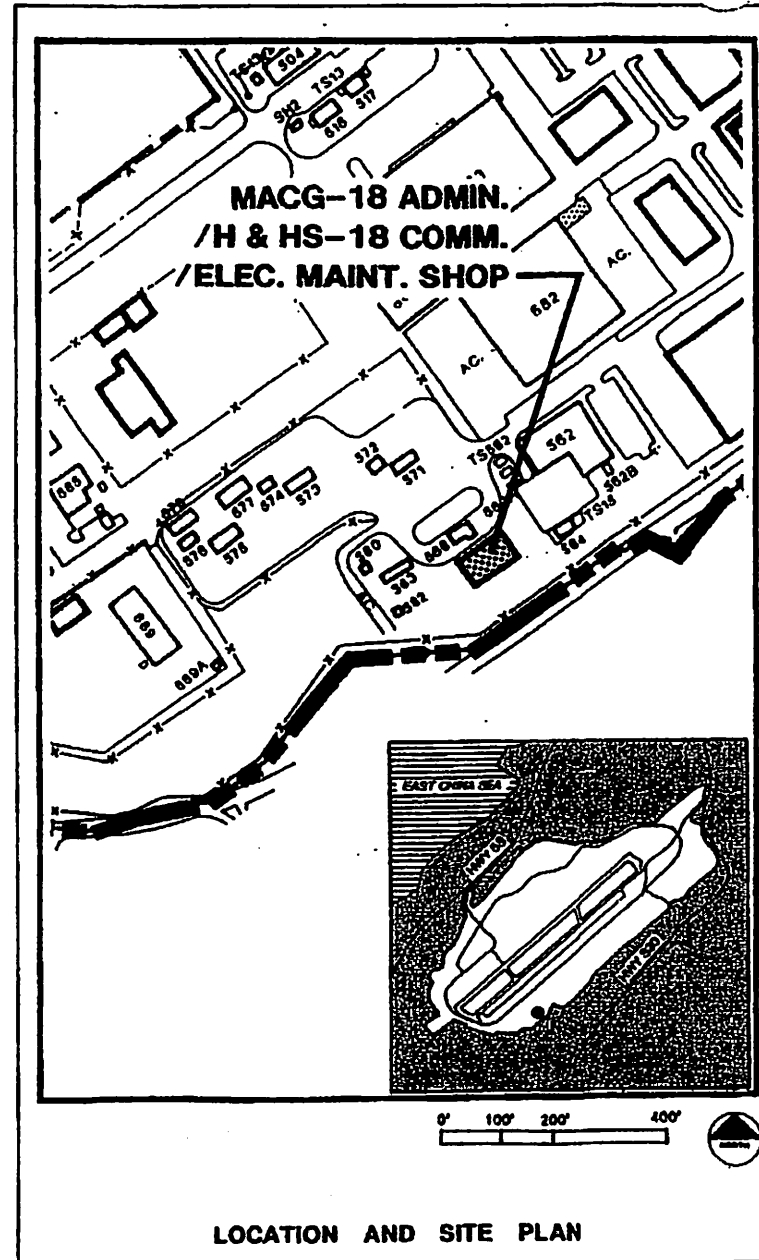
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: \_\_\_\_\_ NO: X \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Note (1) Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



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**PROJECT DATA SHEET**

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Hazardous/Flammable Storehouse MCAS Futenma			<b>PROJECT NO.</b> MC-X15	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 97	<b>CURRENT COST (\$000)</b> 2,360		
<b>CATEGORY CODE</b> 441-30	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	12,300	160.00	1,968
SUP FACILITIES	LS			392
SUBTOTAL				2,360
CONTINGENCY (5%)				0
TOTAL CONTR. COST				2,360
SIQH (6.5%)				0
TOTAL REQUEST				2,360
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story, high bay reinforced concrete building. Equipped with foam/water fire protection system and temperature and humidity control. Functional spaces include storage rooms, administrative offices, restrooms, loading dock and mechanical equipment room.  Support facilities include site preparation, all required utilities, lighting, asphalt paving, truck loading ramp, landscaping, and trash enclosure.				

**REQUIREMENT:**

The existing storehouse at MCAS Futenma is too small to meet requirements. As a result, supplies of paints, petroleum, oil products, and other hazardous/flammable materials must be delivered on-call to MCAS Futenma from other bases on Okinawa. This process is inefficient and leads to untimely deliveries which, in turn, adversely affect the efficiency and responsiveness of operations and maintenance functions.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
441-30	Haz./Flam. Storehouse	12,300	SF		
852-10	Parking Area	240	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

Central location on operations/maintenance side of runway; meets minimum safety distances; away from high population areas and heavily travelled roads; and existing facility on site is substandard and programmed for replacement.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

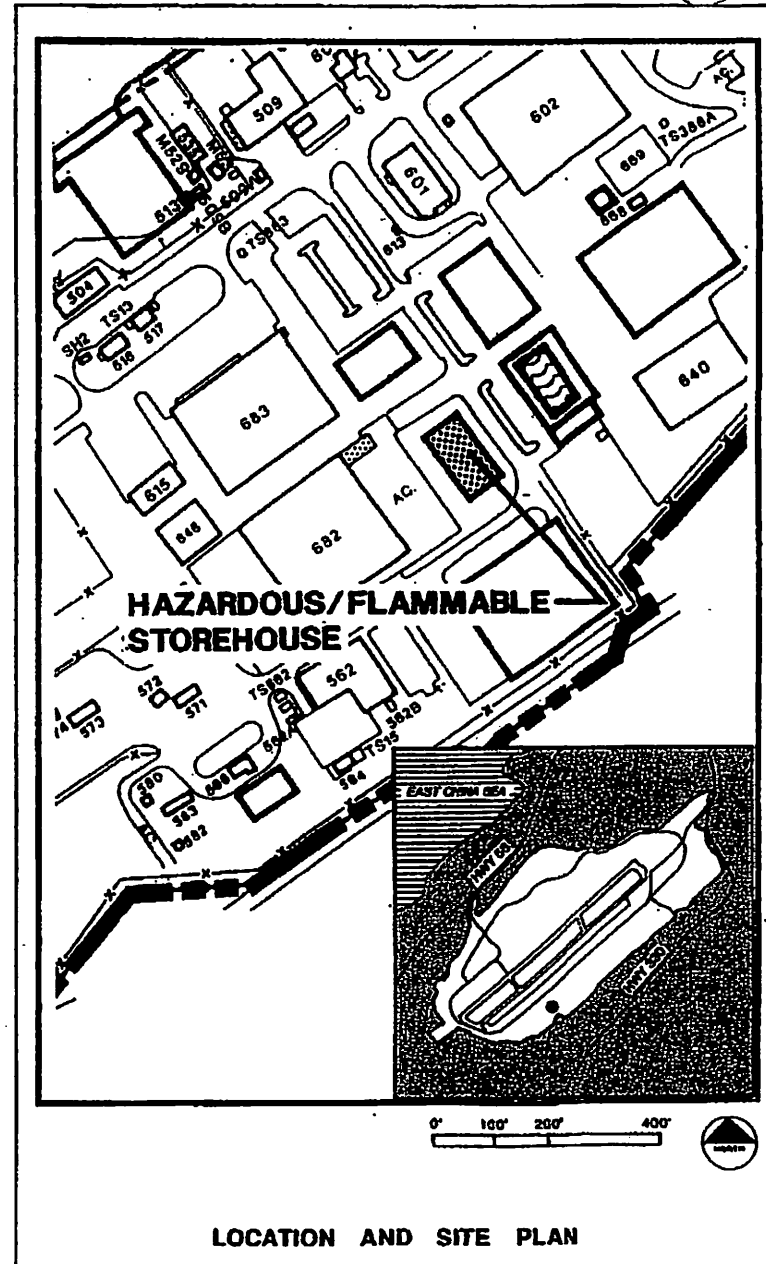
Site Approved: YES: NO: X Deferred: \_\_\_\_\_

Name: Note (1) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



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## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Ops. Facil., Comm./Elec. Shop. & Det. HQ MCAS Futenma		<b>PROJECT NO.</b> MC-X16		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 97	<b>CURRENT COST (\$000)</b> 4,056		
<b>CATEGORY CODE</b> 610-73	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	14,100	160.00	2,256
SUP FACILITIES	LS	-	-	1,800
SUBTOTAL				4,056
CONTINGENCY (5%)				0
TOTAL CONTR. COST				4,056
SIOH (6.5%)				0
TOTAL REQUEST				4,056
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b>				
A one-story reinforced concrete building. Functional spaces include administrative offices, conference room, storage room, radio/electronic equipment, storage and work area, supply room, training room, flight operations room, restrooms, and mechanical equipment room.				
Support facilities include site preparation, all required utilities, lighting, asphalt paving, landscaping, sidewalks, and trash enclosure.				

**REQUIREMENT:**

The existing MATCS-18 Building 261 is too small to adequately serve all of its present functions. The two on-site detachments in the squadron each have no designated administrative space and must presently borrow space from other uses or work out of their vans. The existing operations center and comm./elec. maintenance shop are significantly smaller than required.

This project will meet these deficiencies and provide the facilities required for all squadron functions to fulfill their mission.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
610-73	Detachment HQ	7,600	SF		
217-10	Comm./Elec. Maint. Shop	3,500	SF		
141-41	MATCU Ops. Facility	3,000	SF		
852-10	Parking Area	1,720	SY		
852-35	Other Paved Area	26,000	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

Vacant site that can be utilized with a minimum amount of fill and regrading. Its proximity to Building 261 will maintain unit integrity and operational efficiency.

**EFD REVIEW/ANALYSIS:**

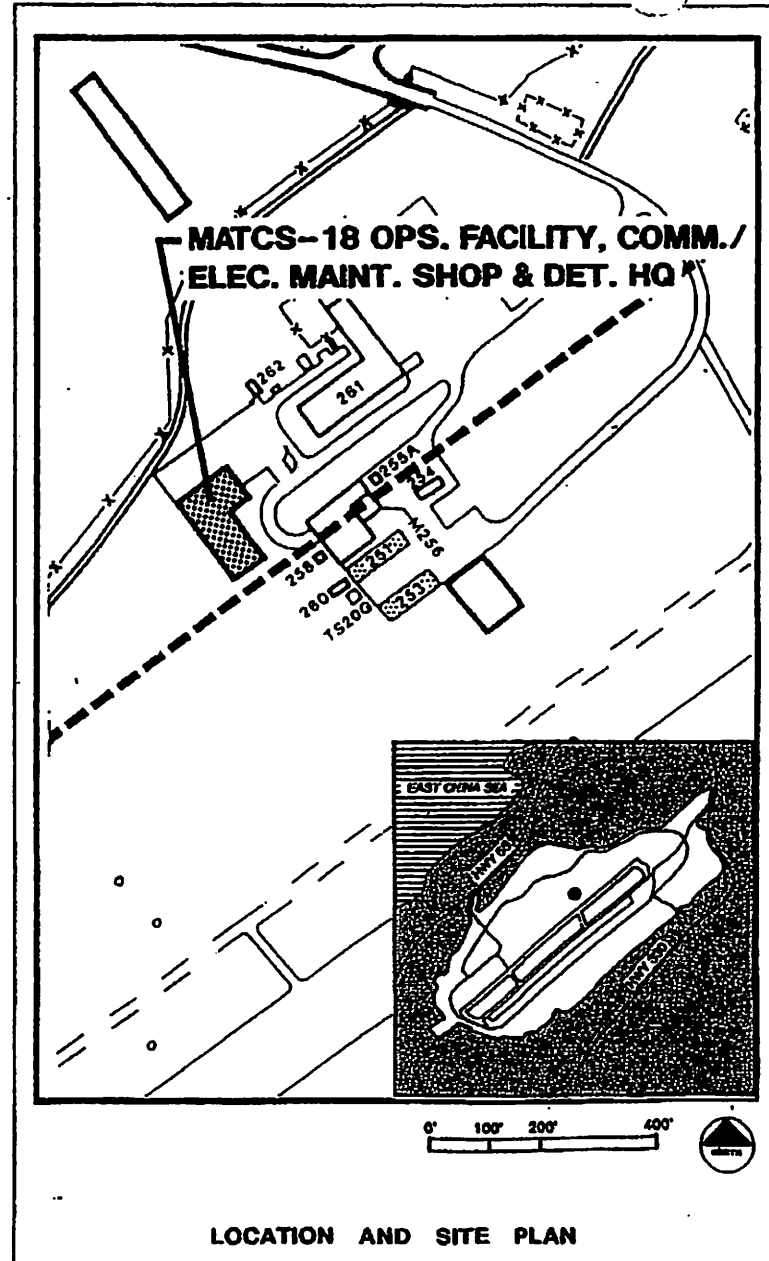
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety	X		Note (1)
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: \_\_\_\_\_ NO: X \_\_\_\_\_ Deferred: \_\_\_\_\_  
 Name: Note (2) \_\_\_\_\_ Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

- (1) Airfield safety review required.
- (2) Site approval request required.



## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Aircraft Full Motion Simulators Building MCAS Futenma		<b>PROJECT NO.</b> MC-X17		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 97	<b>CURRENT COST (\$000)</b> 4,750		
<b>CATEGORY CODE</b> 171-35	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	18,000	220.00	3,960
SUP FACILITIES	LS			790
SUBTOTAL				4,750
CONTINGENCY (5%)				0
TOTAL CONTR. COST				4,750
SIQH (6.5%)				0
TOTAL REQUEST				4,750
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story reinforced concrete building to house one HMH aircraft full motion simulator, one HMM aircraft full motion simulator, one HMLA aircraft full motion simulator, and one VMGR-152 aircraft full motion simulator. Also included are restrooms and a mechanical equipment room.  Support facilities include site preparation, all required utilities, lighting, asphalt paving, landscaping, sidewalks, and trash enclosure.				

**REQUIREMENT:**

There are no flight simulators currently at the Air Station. Flight simulators are required to upgrade personnel capabilities, maintain individual and unit proficiency and insure operational readiness.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
171-35	Ops Trainer Facility	18,000	SF		
852-10	Parking Area	920	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASES JAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

Central location for the units being served; will be vacant upon relocation of MWSS-172 to Camp Foster.

**EFD REVIEW/ANALYSIS:**

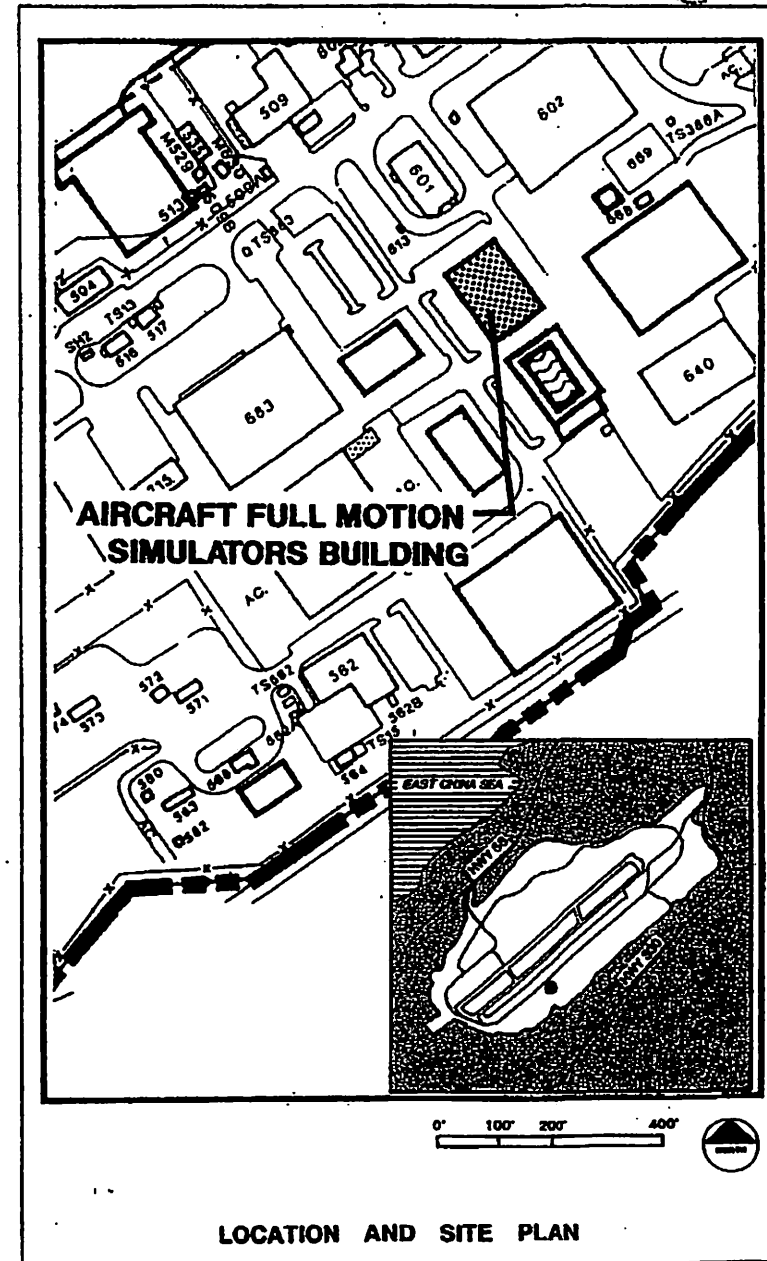
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (1) Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO:

**NOTES:**

(1) Site approval request required.



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## PROJECT DATA SHEET

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Outdoor Recreation Complex MCAS Futenma		<b>PROJECT NO.</b> MC-X18		
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 98	<b>CURRENT COST (\$000)</b> 722		
<b>CATEGORY CODE</b> 740-78	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	2,700	45.19	122
SUP FACILITIES	LS	-	-	600
SUBTOTAL				722
CONTINGENCY (5%)				0
TOTAL CONTRL COST				722
SIOH (6.5%)				0
TOTAL REQUEST				722
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story reinforced concrete recreation pavilion, three softball fields and one baseball field, including reinforced concrete dugouts.  Support facilities include site preparation, all required utilities, lighting, spectator stands, backstops, fencing, asphalt paving, landscaping, and trash enclosure.				

**REQUIREMENT:**

MCAS Futenma has only four of eight required softball fields, and lacks a required baseball field and recreation pavilion. Facilities for off-hours relaxation and sports activities are important to maintaining troop morale and to retention of qualified personnel in the Marine Corps.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/ MC	VAL IND
740-78	Recreation Pavilion	2,700	SF		
750-20	Playing Field	4	EA		
852-10	Parking Area	4,000	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____



**SITING RATIONALE:**

Proximity to troop housing and the only vacant area large enough to accommodate such a complex.

**EFD REVIEW/ANALYSIS:**

	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact	X		Note (1)
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_

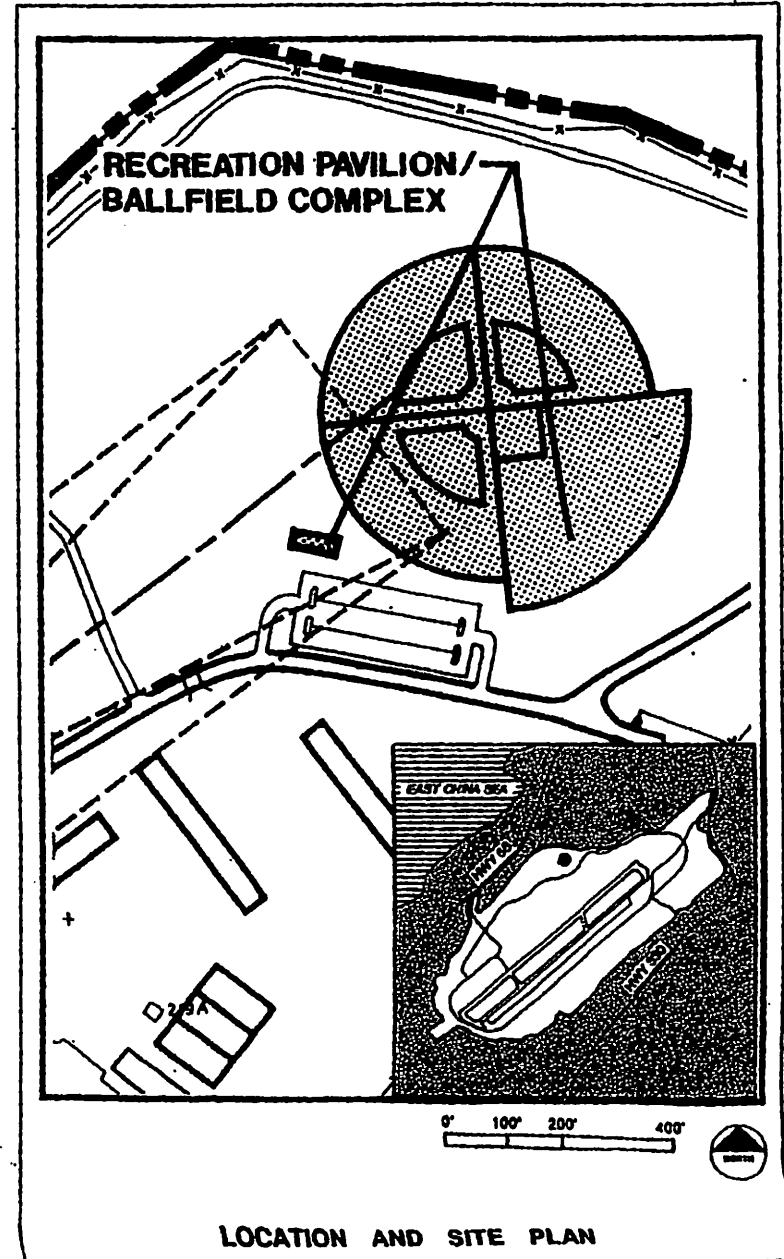
Name: Note (2) \_\_\_\_\_ Date: \_\_\_\_\_

Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Potential cultural resource site.

(2) Site approval request required.



LOCATION AND SITE PLAN

**PROJECT DATA SHEET**

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<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Consolidated Unit Storage Warehouse MCAS Futenma			<b>PROJECT NO.</b> MC-X19	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 98	<b>CURRENT COST (\$000)</b> 6,700		
<b>CATEGORY CODE</b> 441-12	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	50,000	110.00	5,500
SUP FACILITIES	LS	-	-	1,200
SUBTOTAL				6,700
CONTINGENCY (5%)				0
TOTAL CONTRL COST				6,700
SIQH (6.5%)				0
TOTAL REQUEST				6,700
EQUIP FR OTH APPR.				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A one-story, high-bay reinforced concrete building. Functional spaces include administrative office, loading dock and receiving area, restrooms, and mechanical equipment room.  Supporting facilities include site preparation, all required utilities, asphalt paving, truck loading ramp, fencing, lighting, landscaping and trash enclosure. Also included is the demolition of buildings, 550, 552, 553, 554, 557 and M558, and outdoor play court 553-A.				

<b>REQUIREMENT:</b> The existing deficiency in unit storage space is over 100,000 SF at MCAS Futenma. About 60 percent of this total is scattered in substandard and inadequate facilities, while the remaining deficiency is not built. Adequate storage space will increase usable life of stored supplies and equipment and reduce maintenance costs.					
<b>PROGRAMMING DATA:</b>					
ACTIVITY UIC:	<u>M67400</u>	SPEC. AREA:	<u>AS</u>		
ALTERNATE HOST:	_____	ACTIVITY PRIORITY:	_____		
SUP. UNIT:	_____	CMC PRIORITY:	_____		
INVESTMENT PROGRAM:	_____	FLEP PRIORITY:	_____		
INVESTMENT CATEGORY:	_____	READINESS RATING:	_____		
SAVINGS TO INVEST. RATIO:	_____	MOBILIZATION INDICATOR:	_____		
		MAJOR/SUBCLAIMANT:	_____		
<b>PROJECT DETAIL DATA:</b>					
CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
441-12	Organic Unit Storage	50,000	SF		
852-35	Other Paved Area	2,800	SY		
<b>REQUIREMENT CERTIFICATION:</b>					
ACTIVITY:	_____	DATE:	_____		
COMMARCORBASESJAPAN:	_____	DATE:	_____		
CMC:	_____	DATE:	_____		

**SITING RATIONALE:**

Centrally located for units to be served, and in the same general area as two recently completed warehouse structures (Buildings 682 and 683). Location also helps to define the Air Station perimeter and prevent future encroachment.

**EFD REVIEW/ANALYSIS:**

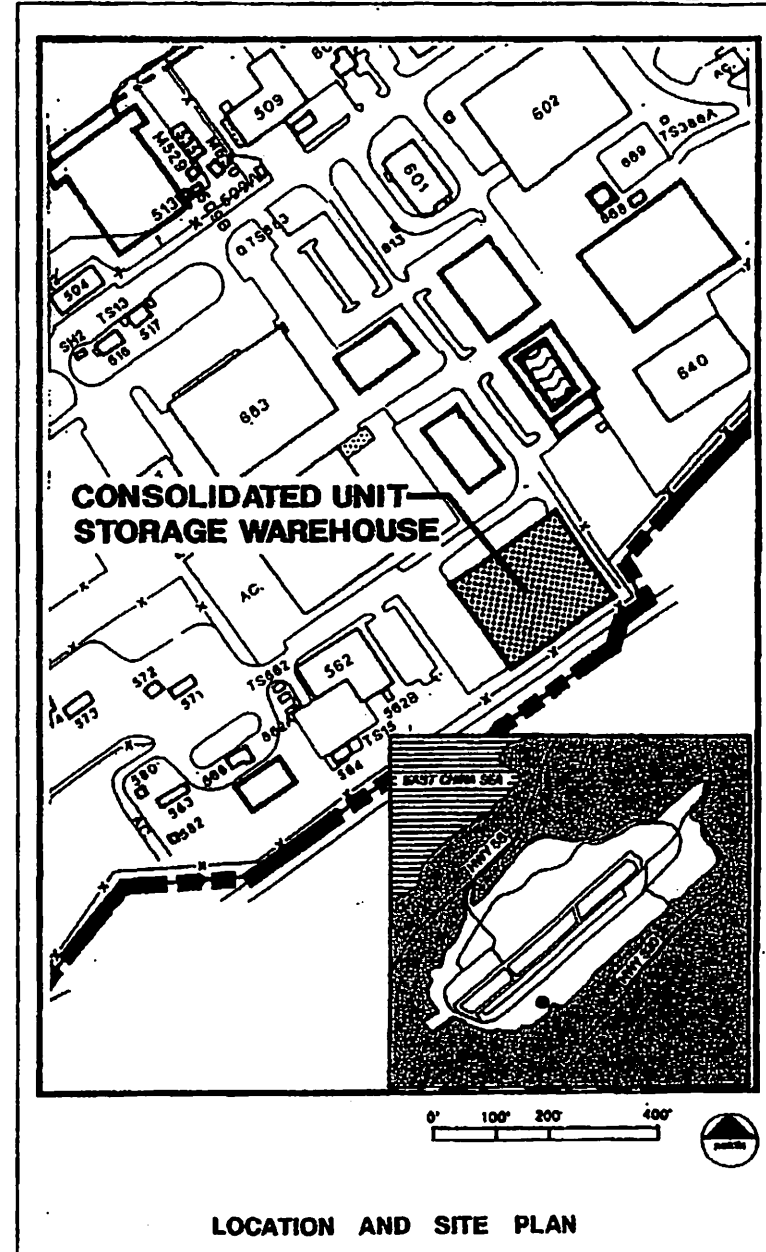
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact	X		Note (1)
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: NO: X Deferred: \_\_\_\_\_  
 Name: Note (2) Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO:

**NOTES:**

- (1) Potential cultural resource site.
- (2) Site approval request required.



**PROJECT DATA SHEET**

154

<b>INSTALLATION &amp; LOCATION</b> Camp Butler, Okinawa, Japan		<b>COMPONENT</b> Marine Corps		
<b>PROJECT TITLE</b> Outdoor Recreation Complex MCAS Futenma			<b>PROJECT NO.</b> MC-X20	
<b>DATE</b> JAN 1992	<b>EST. YEAR</b> JFY 98	<b>CURRENT COST (\$000)</b> 3,140		
<b>CATEGORY CODE</b> 750-30	<b>PROGRAM ELEMENT</b>			
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PRIMARY FACILITY	SF	7,800	120.00	936
SUP FACILITIES				2,204
SUBTOTAL				3,140
CONTINGENCY (5%)				0
TOTAL CONTR. COST				3,140
SIQH (6.5%)				0
TOTAL REQUEST				3,140
EQUIP FR OTH APPR				0
<b>DESCRIPTION OF PROPOSED CONSTRUCTION:</b> A 50 meter reinforced concrete swimming pool, bathhouse, one tennis court, two basketball courts, and one volleyball court.  Support facilities include site preparation, all required utilities, lighting, fencing, asphalt pavement, landscaping and trash enclosure. Also included is the relocation of three existing softball fields.				

**REQUIREMENT:**

Only one of two required outdoor recreation swimming pools are available at the Air Station. Outdoor playing courts are also in short supply. The existing facilities are often overcrowded, forcing many individuals to travel to other military installations to meet their physical fitness and athletic needs. These problems have an adverse effect on morale and hamper the Marine Corps' ability to retain quality personnel.

**PROGRAMMING DATA:**

ACTIVITY UIC: <u>M67400</u>	SPEC. AREA: <u>AS</u>
ALTERNATE HOST: _____	ACTIVITY PRIORITY: _____
SUP. UNIT: _____	CMC PRIORITY: _____
INVESTMENT PROGRAM: _____	FLEP PRIORITY: _____
INVESTMENT CATEGORY: _____	READINESS RATING: _____
SAVINGS TO INVEST. RATIO: _____	MOBILIZATION INDICATOR: _____
	MAJOR/SUBCLAIMANT: _____

**PROJECT DETAIL DATA:**

CCN	DESCRIPTION	SCOPE	U/M	CC/MC	VAL IND
750-30	Swimming Pool	50	M		
740-89	Bathhouse	7,800	SF		
750-10	Playing Courts	4	EA		
750-20	Playing Fields	3	EA		
852-10	Parking Area	1,000	SY		

**REQUIREMENT CERTIFICATION:**

ACTIVITY: _____	DATE: _____
COMMARCORBASESJAPAN: _____	DATE: _____
CMC: _____	DATE: _____

**SITING RATIONALE:**

Vacant area adjacent to the new Physical Fitness Center programmed for FY 1992; also adjacent to SNCO and bachelor officers quarters area and within walking distance of BEQs.

**EFD REVIEW/ANALYSIS:**

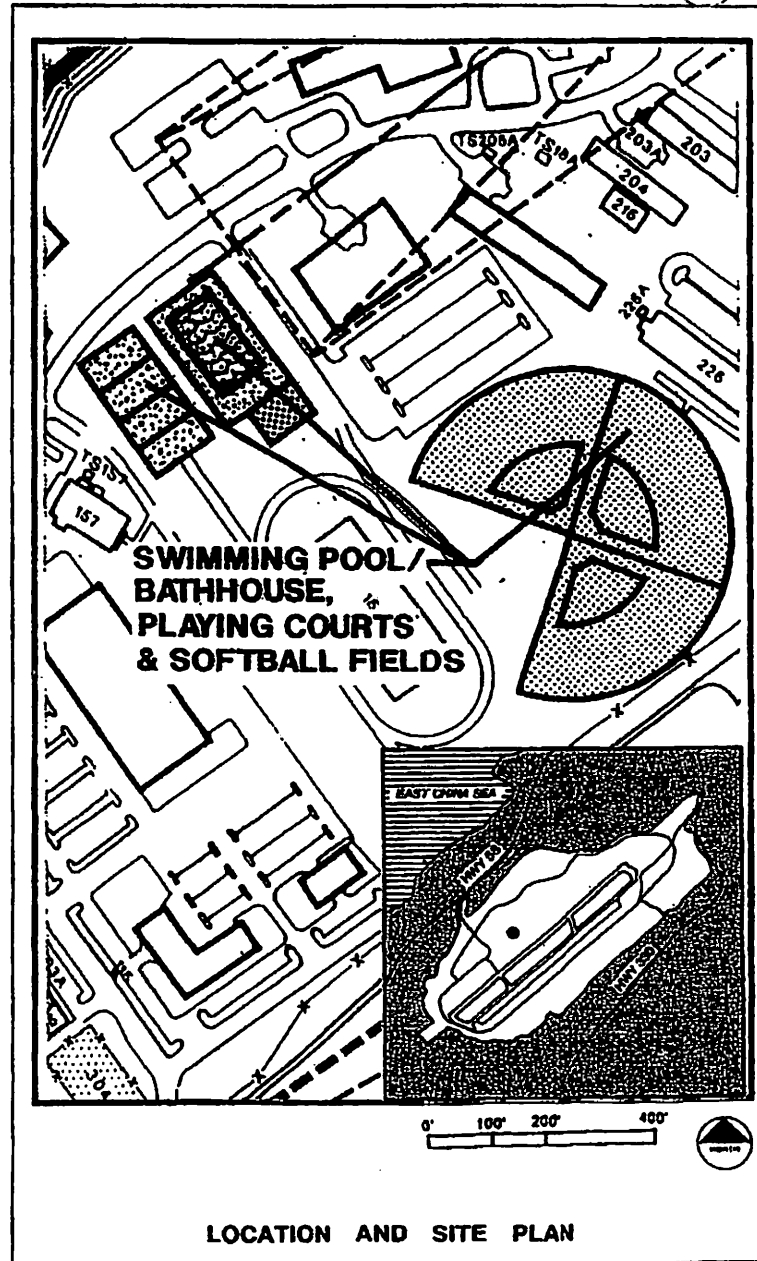
	REQUIRES FURTHER ACTION?		COMMENTS
	YES	NO	
Explosives Safety		X	
Airfield Safety		X	
Electromagnetic Radiation		X	
AICUZ Violation		X	
Change to Approved MP/CIP		X	
Coastal Zone Management		X	
Natural Resources Plan		X	
Dredging/Filling Permits		X	
Wetland/Floodplain		X	
Hazardous Wastes on Site		X	
Cultural Resources Impact		X	
Utilities Support		X	
Road, Parking		X	
Environmental Documentation		X	
Prelim. Hazards Analysis		X	
Others (List)		X	

**HQMC VALIDATION:**

Site Approved: YES: \_\_\_\_\_ NO: X Deferred: \_\_\_\_\_  
 Name: Note (1) Date: \_\_\_\_\_  
 Project Supported by SFPS: YES: X NO: \_\_\_\_\_

**NOTES:**

(1) Site approval request required.



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