

CAMP H.M. SMITH AND NAVY PUBLIC WORKS CENTER MANANA  
TITLE VII (CAPEHART) HOUSING, U-SHAPED THREE-  
BEDROOM DUPLEX TYPE 3

(Camp H.M. Smith and Navy Public Works Center Manana Housing,  
Facility Nos. 502, 505, 506, 511, 512, 515, 522, 523, 531, 541, 547,  
556, 560, 561, 570, 601, 604, 605, 612, 613, 617, 621, 626 & 627)  
Acacia Road, Birch Circle, and Cedar Drive  
Pearl City  
Honolulu County  
Hawaii

HABS No. HI-524-C

HABS  
HI-524-C

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Buildings Survey  
National Park Service  
Department of the Interior  
San Francisco, California

## HISTORIC AMERICAN BUILDINGS SURVEY

### CAMP H.M. SMITH AND NAVY PUBLIC WORKS CENTER MANANA TITLE VII (CAPEHART) HOUSING, U-SHAPED THREE-BEDROOM DUPLEX TYPE 3

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Location: The Manana Housing area is located in Pearl City, just north of the Pearl City Peninsula. It is situated within the joint H.M. Camp Smith and Navy Public Works Center Manana Housing installation to the north of Kamehameha Highway. The Plan Type 3 buildings are scattered throughout the neighborhood, and found on various streets including Birch Circle, Acacia Road, and Cedar Drive.

City and County of Honolulu, Hawaii

U.S.G.S. Waipahu, Hawaii Quadrangle 1998 (7.5 minute series)  
Bounded by Universal Transverse Mercator Coordinates:

- |                      |                      |
|----------------------|----------------------|
| 1) 04.605740.2367180 | 2) 04.605410.2366880 |
| 3) 04.605370.2366660 | 4) 04.605460.2366700 |
| 5) 04.605600.2366540 | 6) 04.605820.2366740 |
| 7) 04.606020.2367020 |                      |

Present Owner: United States Marine Corps

Present Occupants: Multiple Occupants (Navy/Marine)

Present Use: Military family housing for Field Grade Officers, Junior Officers, and Enlisted personnel

Significance: The housing area was constructed as a Capehart project in 1959 for Marine Corps and Navy personnel. It was one of many similar projects built throughout Hawaii and the nation under the Capehart Act, which was designed to alleviate a severe housing shortage faced by military personnel in the post war period. The Type 3 units were designed for enlisted personnel. The buildings are of a standard plan used throughout the neighborhood, and are suited to the Hawaii environment.

### PART I. GENERAL INFORMATION

The Manana Housing area has eleven types of one-story single-family and duplex residences. The Type 3 buildings include twenty-three duplex structures (Facilities 502, 505, 506, 511, 512, 515, 522, 523, 531, 541, 547, 556, 560, 561, 570, 601, 604, 605, 612, 613, 617, 621, 626 & 627), or 46 individual residential units. There are two variations on this design type depending on the roofline, Types 3A and 3B.

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The Type 3 design is described below. The description includes general information on this unit type, as well as details that are specific to one unit, Facility 621 B Cedar Drive. This unit was selected as a representative example of this type, for the purposes of this documentation. For a description and history of the Manana neighborhood and its development, see HABS No. HI-524.

## PART II. ARCHITECTURAL INFORMATION

### A. Description of exterior

#### 1. Overall dimensions

- i. Building layout and shape: The joint footprint for the Type 3 duplex is shaped as an inverted "U". The rectangular individual units are mirror images of each other and are connected by the central roof over the carports.
- ii. Dimensions: Each unit has the exterior dimensions of approximately 26' x 48' and each terrace measures approximately 6' x 16'. A note on a current Navy floor plan states that there is a net square footage of 1218 square feet for each unit. However, original plans indicate that each unit had a net square footage of 1188 square feet. It is not clear where the calculations differ.

#### 2. Foundation and walls: The Type 3 duplexes are of single-wall construction with a slab on grade foundation and a 4½" x 4" raised curb at the perimeter and beneath each interior wall. The exterior walls are 1x8 redwood tongue and groove boards between 4x4 corner posts.

#### 3. Openings – doors and windows: All of the original windows have been replaced with vinyl sliding windows. Holes have been cut into the side wall of the living room and master bedroom to accommodate through-wall style air conditioners. The original fixed glass below the operable windows remains in the living room. The main entry door is hollow-core with a peep hole and aluminum screen door. The rear entry is hollow-core with a double-hung obscure glass window and a commercial closer.

#### 4. Roofline

- i. Shape: The Type 3 units were designed with two different roof lines. Type 3A has a gable on hip at each individual unit with front and rear louvered attic vents. The Type 3B models have a low-rise gable roof with a shallow and asymmetrical gable roof covers the central double carport, storage and laundry areas at both Types 3A and 3B.
- ii. Materials: All of the roofs are covered by asphalt shingles.
- iii. Gutter/diverter: The rafter tails of the central carport gable roof are clipped and exposed with a fascia board that has an aluminum gutter attached.

#### 5. Exterior Details

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- i. Planting area: A single central driveway from the street splits into two individual driveways separated by a planting area.
- ii. Storage closets: The dual carports which make up the center of the "U" shape are separated by a pair of side-by-side rectangular storage rooms and back-to-back laundry closets for each unit.
- iii. Exterior laundry area: The dual carports which make up the center of the "U" shape are separated by a pair of side-by-side rectangular storage rooms and back-to-back laundry closets for each unit.
- iv. Wall louvers and vents: Louvered attic vent facing the street, and two larger louvered vents above the windows at the rear.
- v. Siding: 1x8 redwood tongue-and-groove boards at units 547, 556, 560, 561, 570, 621, 626 and 627. All other units have had horizontal vinyl siding applied. A sheet metal water table is attached to some exterior walls with bolts just above the concrete curb on the unit surveyed. This condition may differ in other units.
- vi. Entries and porches: Entrance to each unit is via a recessed porch on the outer side of the house. A small concrete footpath leads from the driveway to the main entrance.
- vii. Lanai/carport posts: The roof extends approximately 6' beyond the rear wall of the houses and is supported by 4x4 posts on concrete piers.
- viii. Exposed piping: The kitchen sewer and vent piping are exposed on the exterior wall.

B. Description of Interior

1. Floor plan: Each unit has a small interior entry area, living room, dining room, kitchen, hallway, two bedrooms, hall bathroom, and a master bedroom with a bathroom. There are also closet spaces (hall linen closet, coat closet, bedroom closets) with a wood shelf, pole and hook rail.
2. Flooring: Flooring is vinyl composition tile throughout. There are vinyl baseboards in the kitchen and bathrooms of the unit surveyed for this Type (Facility 621B Cedar Drive).
3. Wall and ceiling finishes: The ceilings are finished with canec panels with beveled edges. Walls throughout are painted 1x8 tongue and groove redwood boards. Where the interior walls meet the ceilings, there is a beveled wood trim measuring approximately 1/4" x 1". At their base, interior walls rest on a concrete curb capped by a 4x4 sill which has a beveled 5/8" x 1" trim piece on its top. Two walls in both bathrooms have 1x4 wood mounting rails for towel bars. The master bathroom shower walls are finished with 4" square tiles and the shower floor has 2" square tiles. The bathtub in the main bath has a cultured marble surround.
4. Interior doors & hardware: Interior doors are hollow-core with the exception of the doors between the living room and dining room, which are a pair of large-

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scale, four-panel sliding doors (with upper and lower tracks) with three painted translucent panels above and one plywood panel below. Closet doors are hollow-core bypass for wardrobes and swinging doors for hall closets. Hardware includes modern tapered metal knobs and some tapered metal knobs that appear to be aluminum, and possibly historic.

5. Decorative features and trim
  - i. Kitchen cabinets and pass-through: The kitchen cabinets extend to the ceiling, and are beveled plywood with a clear finish and no exposed hardware. The interior shelves are of similar material and finish and are adjustable. The countertop in the kitchen is plastic laminate with a bullnose edge. There is a pass-through with a self-edge, plastic laminate counter supported by metal triangle-shaped brackets between the kitchen and the dining room. It has two sliding  $\frac{1}{4}$ " particle board doors with round recessed pulls which close the room off from the dining room.
  - ii. Bathroom cabinets: Bathroom vanity bases are plywood with a painted finish and flared metal pulls and an interior shelf. Countertops in both bathrooms are cultured marble. The master bath contains a small built-in cabinet behind the shower with a flush, painted plywood door and two plywood shelves.
  - iii. Other interior features: There is a through-wall mail slot near the entry door. A decorative wooden grille separates the entry area from the living room.
6. Mechanical / Electrical
  - i. The mechanical system includes ventilation fans in the main bathroom (over the bathtub) and in the kitchen (over the stove, within the range hood).
  - ii. Some original light fixtures remain, including the dome (with metal base) and frosted glass shade fixture over the kitchen sink, and a pinhole fixture in the dining room. The original round exhaust fan remains in the hallway bathroom.

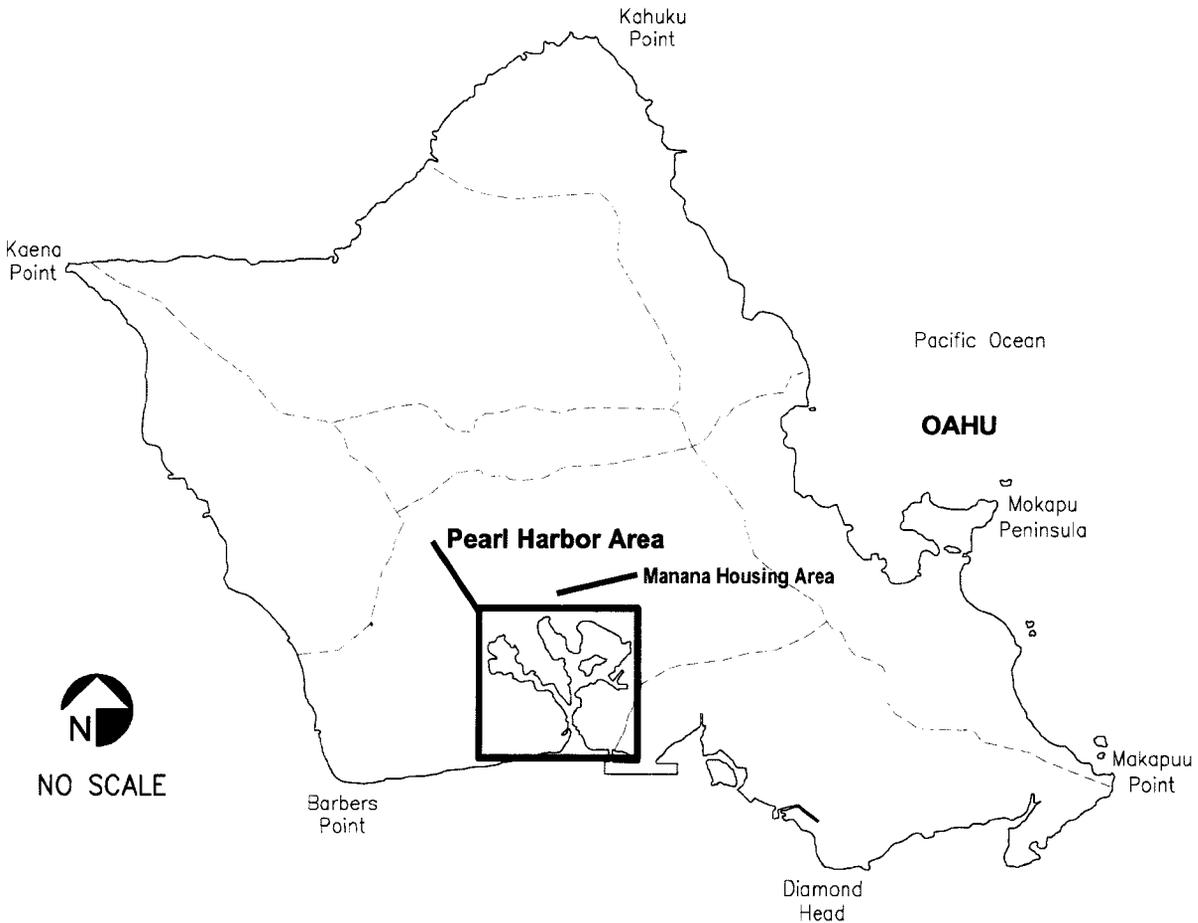
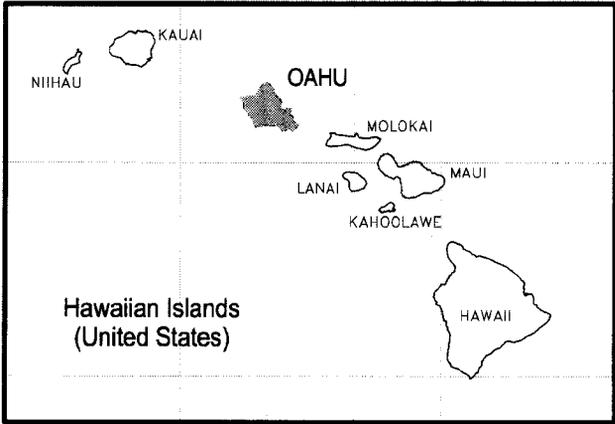
History: See HABS No. HI-524 for a history of the Manana Housing area. The Type 3 facilities are one of eleven examples of single-family or duplex in the Manana Housing area. They were originally built as part of a Capehart housing project to provide housing for Navy and Marine Corps servicemen. This plan type was designed for enlisted personnel. The floor plans have not changed, but renovations have occurred over the years that have replaced windows, updated some finish materials, hardware and light fixtures. The screened walls of the original lanai were infilled with plywood panels with fixed glazing to create the current dining room.

Sources: Architectural Drawings: Original drawings and any drawings completed up to the present for building renovations by the U.S. Navy are located at the Naval Facilities Pacific Capital Improvement Plan File Library, Pearl Harbor, Hawaii.

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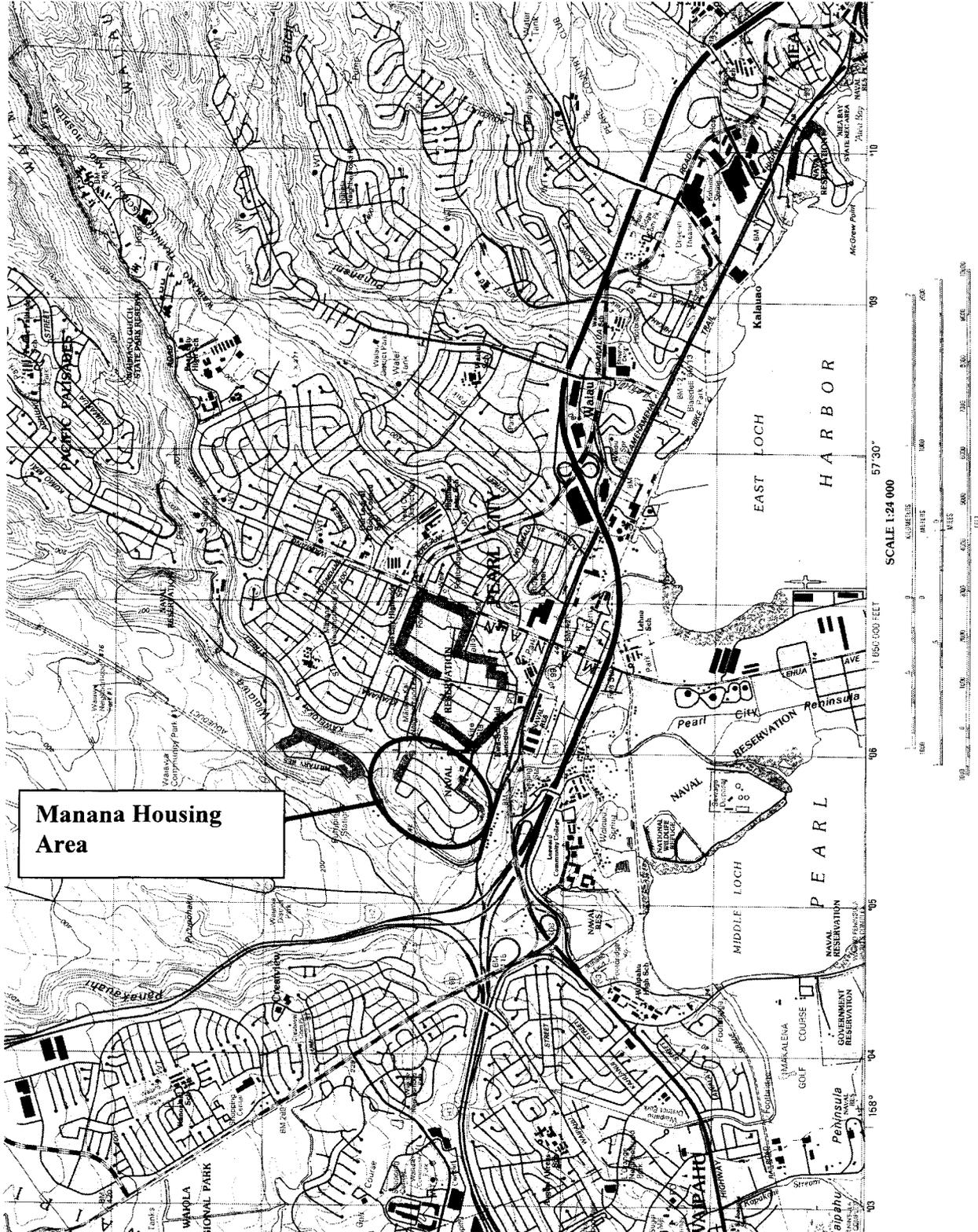
Project Information: This report was prepared in accordance with the *Programmatic Agreement among the United States of America, Department of the Navy, the Hawaii State Historic Preservation Office (SHPO), and the Advisory Council on Historic Preservation, for the Hawaii Public-Private Venture (PPV) Phase III*, dated September 2006. In keeping with the requirements of the Programmatic Agreement, this report was undertaken to document the neighborhood prior to the demolition of the residences and subsequent redevelopment of the neighborhood. The Marine Corps units will be demolished in February of 2007 and the Navy units have an estimated demolition date of 2009/2010. The photographic documentation was undertaken by David Franzen, photographer. Polly Cosson, Architectural Historian at Mason Architects, Inc., wrote the written documentation and conducted field work (November 2006 – December 2006) and research for this report.

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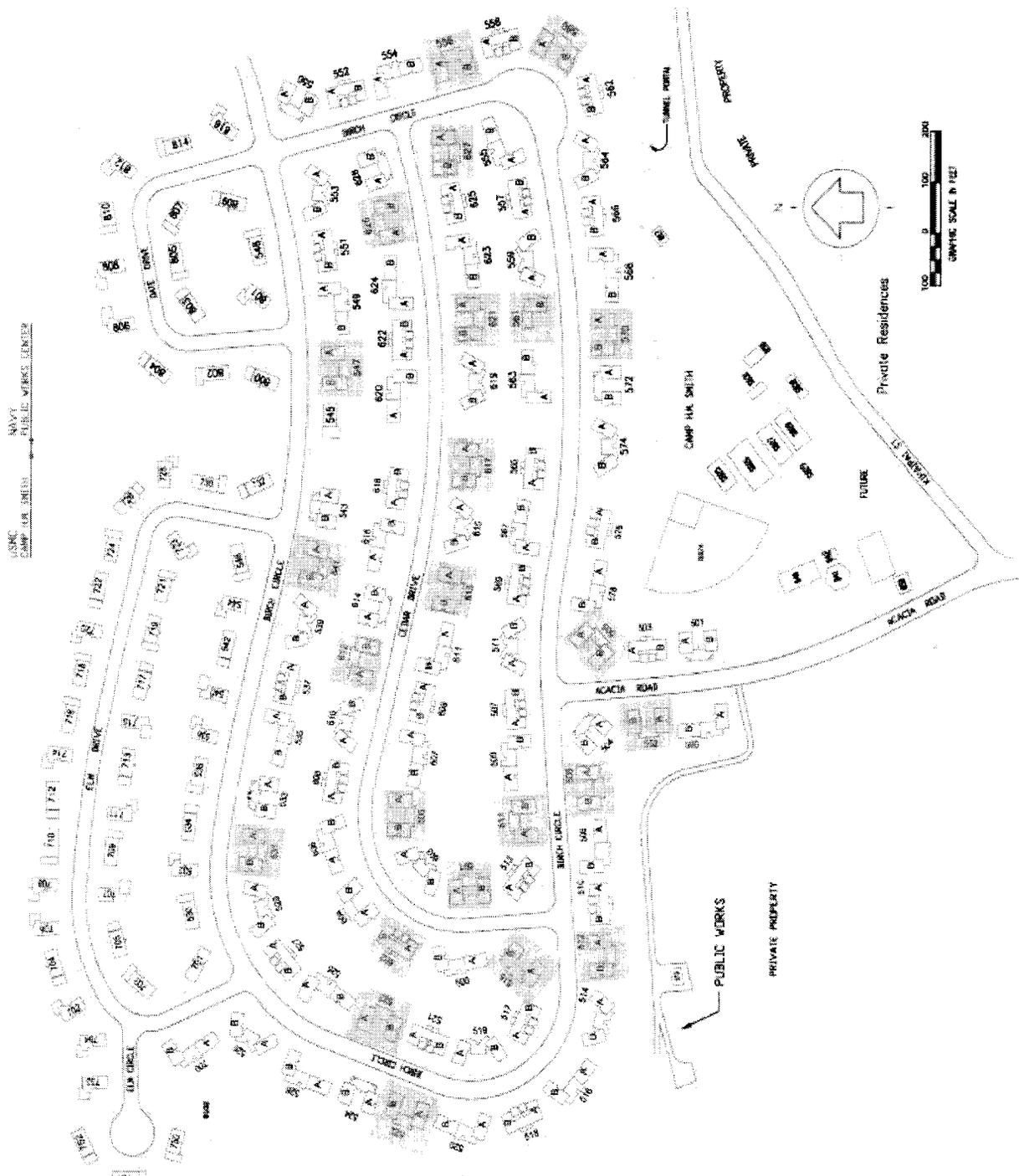
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Map, Manana Housing Area and vicinity



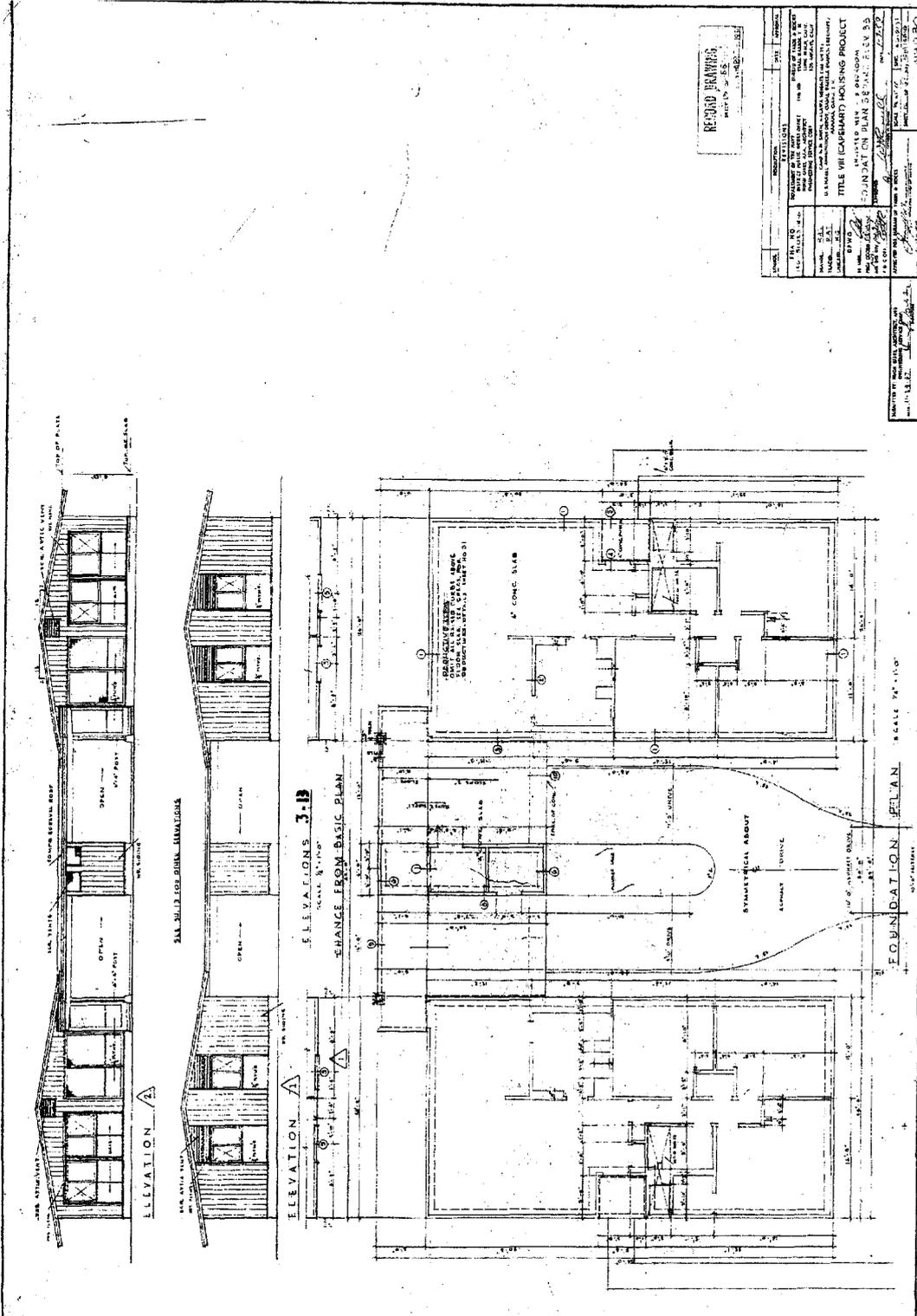
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Neighborhood Map, Manana Housing Area. Type 3 units are shaded in gray.



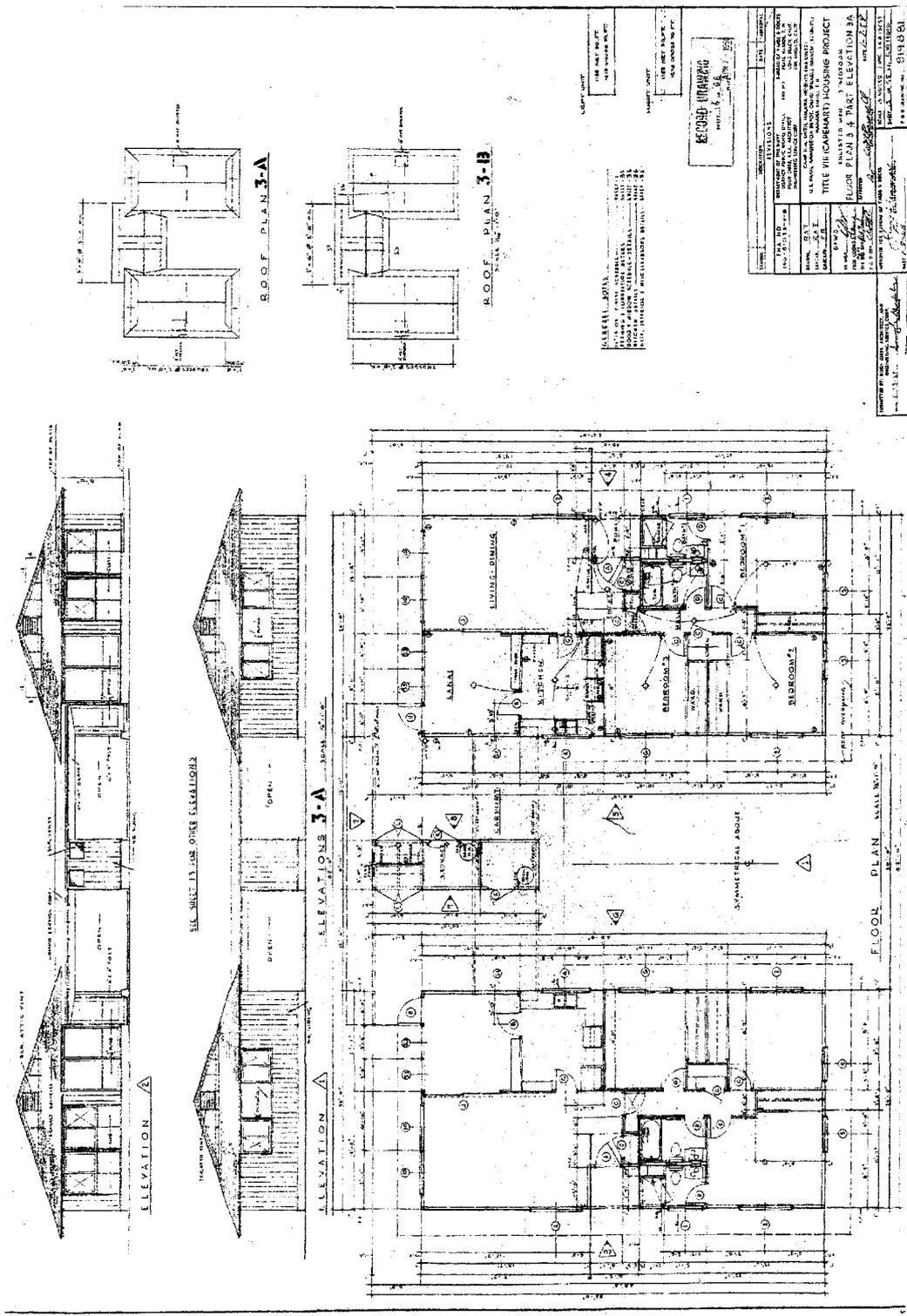
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**Foundation Plan (Type 3) & Partial Elevation (Type 3B) (Drawing No. 819880, dated  
 January 7, 1958)** Note: See Manana Housing Area Overview report (HABS No. HI-524) for  
 drawings of the construction details shared by all housing types.



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Floor Plan (Type 3) & Partial Elevation (Type 3A) (Drawing No. 819881, dated January 7, 1958)



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Elevations (Type 3A & 3B) (Drawing No. 819882, dated January 7, 1958)

