

INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM

Bldgs. NA60, NA68, & NA69

Property/District Name: Naval Radio Transmitter Facility Survey Number: AA-2189

Project: Architectural Inventory and Evaluation Agency: Navy

Site visit by MHT Staff: no yes Name _____ Date _____

Eligibility recommended Eligibility not recommended

Criteria: A B C D Considerations: A B C D E F G None

Justification for decision: (Use continuation sheet if necessary and attach map)

Based on the draft report, "Architectural Inventory and Evaluation of Antenna Structures, Naval Radio Transmitter Facility (NRTF) Annapolis, Maryland," prepared by R. Christopher & Associates and dated 5 Dec 1995, the World War II-era "Marconi" Triatic antenna and associated buildings 60, 68, and 69 are eligible for the National Register as a multiple component property. The antenna and buildings date to 1941-1942 and are historically associated with Naval communications support during World War II, thus meeting Criterion A. The antenna, a low-frequency transmitter, is also significant as an intact, distinguishable example of a World War II-era triatic antenna system (Criterion C).

Documentation on the property/district is presented in: Architectural Inventory and Evaluation
of Antenna Structures, Naval Radio Transmitter Facility (NRTF), Annapolis, MD

Prepared by: R. Christopher Goodwin & Associates

David Blick/Jo Ellen Freese February 12, 1996
Reviewer, Office of Preservation Services Date

NR program concurrence: yes no not applicable
Charles Pruitt Feb. 13, 1996
Reviewer, NR program Date

eng.

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

- Eastern Shore (all Eastern Shore counties, and Cecil)
- Western Shore (Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
- Piedmont (Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
- Western Maryland (Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

- Paleo-Indian 10000-7500 B.C.
- Early Archaic 7500-6000 B.C.
- Middle Archaic 6000-4000 B.C.
- Late Archaic 4000-2000 B.C.
- Early Woodland 2000-500 B.C.
- Middle Woodland 500 B.C. - A.D. 900
- Late Woodland/Archaic A.D. 900-1600
- Contact and Settlement A.D. 1570-1750
- Rural Agrarian Intensification A.D. 1680-1815
- Agricultural-Industrial Transition A.D. 1815-1870
- Industrial/Urban Dominance A.D. 1870-1930
- Modern Period A.D. 1930-Present
- Unknown Period (prehistoric historic)

III. Prehistoric Period Themes:

- Subsistence
- Settlement
- Political
- Demographic
- Religion
- Technology
- Environmental Adaptation

IV. Historic Period Themes:

- Agriculture
- Architecture, Landscape Architecture, and Community Planning
- Economic (Commercial and Industrial)
- Government/Law
- Military
- Religion
- Social/Educational/Cultural
- Transportation

V. Resource Type:

Category: Structure and buildings

Historic Environment: Rural

Historic Function(s) and Use(s): Defense - Naval facility

Known Design Source: Department of the Navy, Bureau of Yards and Docks

9701057

INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM

Property/District Name: Building NA68, Naval Radio Transmitter Survey Number: AA-2189
Facility, North Severn
Project: Demolition Agency: NAVY

Site visit by MHT Staff: no yes Name _____ Date _____

Eligibility recommended Eligibility not recommended

Criteria: A B C D Considerations: A B C D E F G None

Justification for decision: (Use continuation sheet if necessary and attach map)

Naval Radio Transmitter Facility
Building NA68, located at the ~~Naval Air Station~~ in the North Severn area of the US Naval Academy in Anne Arundel County, is not located within the boundaries of a National Register-eligible historic district, but is considered eligible for individual listing on the National Register of Historic Places.

Built in 1942, Building NA68 is a rectangular red brick building measuring 22 feet by 30 feet and rising 30 feet in height. The building is windowless and consists of a single space with no interior dividing walls. The roof is flat and is made of copper. Paired heavy copper doors are located on the south facade of the simple structure.

The building was constructed, along with an almost identical structure (NA69) were built in 1942 as helixes for a low frequency transmitter. The buildings were additions to the NRTF Administration building. The helix houses constitute a relatively intact example of a low frequency Marconi triatic antenna system; the primary use of the LF transmitters was as an air-to-ground contingency communications system. The helix house is an integral part of the transmitter system and is eligible for listing on the Register under Criterion A.

Documentation on the property/district is presented in: Review and Compliance Files

Prepared by: Greenhorn and O'Mara, DOE Report "Historic Resources and Determinations of Effects Report, Demolition of Various Buildings, United States Naval Academy, Annapolis, MD," March 1997.

Kimberly Prothro Williams May 21, 1997
Reviewer, Office of Preservation Services Date

NR program concurrence: yes no not applicable
Palmer 5/22/97
Reviewer, NR program Date

cmd

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

- Eastern Shore (all Eastern Shore counties, and Cecil)
- Western Shore (Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
- Piedmont (Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
- Western Maryland (Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

- Paleo-Indian 10000-7500 B.C.
- Early Archaic 7500-6000 B.C.
- Middle Archaic 6000-4000 B.C.
- Late Archaic 4000-2000 B.C.
- Early Woodland 2000-500 B.C.
- Middle Woodland 500 B.C. - A.D. 900
- Late Woodland/Archaic A.D. 900-1600
- Contact and Settlement A.D. 1570-1750
- Rural Agrarian Intensification A.D. 1680-1815
- Agricultural-Industrial Transition A.D. 1815-1870
- Industrial/Urban Dominance A.D. 1870-1930
- Modern Period A.D. 1930-Present
- Unknown Period (prehistoric historic)

III. Prehistoric Period Themes:

- Subsistence
- Settlement
- Political
- Demographic
- Religion
- Technology
- Environmental Adaptation

IV. Historic Period Themes:

- Agriculture
- Architecture, Landscape Architecture, and Community Planning
- Economic (Commercial and Industrial)
- Government/Law
- Military
- Religion
- Social/Educational/Cultural
- Transportation

V. Resource Type:

Category: Structure

Historic Environment: Military base

Historic Function(s) and Use(s): Military/Radio Transmission Building

Known Design Source: _____

9701057

INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM

Property/District Name: Building NA69 , Naval Radio Transmitter Survey Number: AA2189
Facility, North Severn
Project: Demolition Agency: NAVY

Site visit by MHT Staff: no yes Name _____ Date _____

Eligibility recommended Eligibility not recommended

Criteria: A B C D Considerations: A B C D E F G None

Justification for decision: (Use continuation sheet if necessary and attach map)

Naval Radio Transmitter Facility
Building NA69, located at the ~~Naval Air Station~~ in the North Severn area of the US Naval Academy in Anne Arundel County, is not located within the boundaries of a National Register-eligible historic district, but is considered eligible for individual listing on the National Register of Historic Places.

Built in 1942, Building NA69 is a rectangular red brick building measuring 22 feet by 30 feet and rising 30 feet in height. The building is windowless and consists of a single space with no interior dividing walls. The roof is flat and is made of copper. Paired heavy copper doors are located on the south facade of the simple structure.

The building was constructed, along with an almost identical structure (NA68), as helixes for low frequency transmitter. The buildings were additions to the NRTF administration building. The helix houses constitute a relatively intact example of a low frequency Marconi triatic antenna system; the primary use of the LF transmitters was as an air-to-ground contingency communications system. The helix house is an integral part of the transmitter system and is eligible for listing on the Register under Criterion A.

Documentation on the property/district is presented in: Review and Compliance Files

Prepared by: Greenhorn and O'Mara, DOE Report "Historic Resources and Determinations of Effects Report, Demolition of Various Buildings, United States Naval Academy, Annapolis, MD," March 1997.

Kimberly Prothro Williams May 21, 1997
Reviewer, Office of Preservation Services Date

NR program concurrence: yes no not applicable
[Signature] 5/22/97
Reviewer, NR program Date

[Handwritten signature]

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

- Eastern Shore (all Eastern Shore counties, and Cecil)
- Western Shore (Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
- Piedmont (Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
- Western Maryland (Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

- Paleo-Indian 10000-7500 B.C.
- Early Archaic 7500-6000 B.C.
- Middle Archaic 6000-4000 B.C.
- Late Archaic 4000-2000 B.C.
- Early Woodland 2000-500 B.C.
- Middle Woodland 500 B.C. - A.D. 900
- Late Woodland/Archaic A.D. 900-1600
- Contact and Settlement A.D. 1570-1750
- Rural Agrarian Intensification A.D. 1680-1815
- Agricultural-Industrial Transition A.D. 1815-1870
- Industrial/Urban Dominance A.D. 1870-1930
- Modern Period A.D. 1930-Present
- Unknown Period (prehistoric historic)

III. Prehistoric Period Themes:

- Subsistence
- Settlement
- Political
- Demographic
- Religion
- Technology
- Environmental Adaptation

IV. Historic Period Themes:

- Agriculture
- Architecture, Landscape Architecture, and Community Planning
- Economic (Commercial and Industrial)
- Government/Law
- Military
- Religion
- Social/Educational/Cultural
- Transportation

V. Resource Type:

Category: Structure

Historic Environment: Military base

Historic Function(s) and Use(s): Military/Radio Transmission Building

Known Design Source: _____

Maryland Historical Trust State Historic Sites Inventory Form

MARYLAND INVENTORY OF HISTORIC PROPERTIES

Survey No. AA-2189

Magi No.

DOE yes no

1. Name (indicate preferred name)

historic LF Transmitter Building

and/or common Buildings NA60, NA68, & NA69

2. Location

street & number Bullard Boulevard

 not for publication

city, town Annapolis

 vicinity of

congressional district

state Maryland

county Anne Arundel

3. Classification

Category	Ownership	Status	Present Use	
<input type="checkbox"/> district	<input checked="" type="checkbox"/> public	<input checked="" type="checkbox"/> occupied	<input type="checkbox"/> agriculture	<input type="checkbox"/> museum
<input checked="" type="checkbox"/> building(s)	<input type="checkbox"/> private	<input type="checkbox"/> unoccupied	<input type="checkbox"/> commercial	<input type="checkbox"/> park
<input type="checkbox"/> structure	<input type="checkbox"/> both	<input type="checkbox"/> work in progress	<input type="checkbox"/> educational	<input type="checkbox"/> private residence
<input type="checkbox"/> site	Public Acquisition	Accessible	<input type="checkbox"/> entertainment	<input type="checkbox"/> religious
<input type="checkbox"/> object	<input type="checkbox"/> in process	<input checked="" type="checkbox"/> yes: restricted	<input type="checkbox"/> government	<input type="checkbox"/> scientific
	<input type="checkbox"/> being considered	<input type="checkbox"/> yes: unrestricted	<input type="checkbox"/> industrial	<input type="checkbox"/> transportation
	<input type="checkbox"/> not applicable	<input type="checkbox"/> no	<input checked="" type="checkbox"/> military	<input type="checkbox"/> other:

4. Owner of Property (give names and mailing addresses of all owners)

name USNA North Severn

street & number

telephone no.:

city, town Annapolis

state and zip code MD 21402-5013

5. Location of Legal Description

courthouse, registry of deeds, etc. Building 265

liber

street & number USNA North Severn

folio

city, town Annapolis

state MD

6. Representation in Existing Historical Surveys

title NRTF Annapolis Cultural Resources Survey

date 1996

 federal state county local

pository for survey records R. Christopher Goodwin & Assoc., Inc.

city, town Frederick

state MD

7. Description

Survey No. AA-2189

Condition

excellent
 good
 fair

deteriorated
 ruins
 unexposed

Check one

unaltered
 altered

Check one

original site
 moved date of move _____

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

See Continuation Sheet

8. Significance

Survey No. AA-2189

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> art	<input type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input type="checkbox"/> 1900-	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates

Builder/Architect

check: Applicable Criteria: A B C D
and/or

Applicable Exception: A B C D E F G

Level of Significance: national state local

Prepare both a summary paragraph of significance and a general statement of history and support.

MD State Historic Sites Inventory Form
Continuation Sheet 7.1

MHT # AA: 2189
Building NA60
LF Transmitter Building
Anne Arundel County

DESCRIPTION

Contributing Resource Count: 3

Built in 1941, Building NA60 (LF Transmitter/Meq/Admn/Sto) consists of three large, parallel two-story structures connected by perpendicular wings. The buildings stand on the south side Bullard Boulevard a short distance southeast of its intersection with Greenbury Point Road in Anne Arundel County, Maryland (Photo 41634-18). Two associated Helix Houses erected in 1942 (NA68 and NA69) stand in a line southwest of Building NA60. Transmission lines join the two Helix Houses to NA60 (Photo 41634-21).

A 15-bay wide, five-to-one common brick bond structure five bays deep fronting directly on Bullard Boulevard forms the most northern of the three parallel buildings (Photo 41634-13). The building possesses a formal entrance with double-leaf doors topped by a multi-light transom in its central bay (Photo 41634-11). Ashlar cement blocks framing the entrance exhibit Art Deco decorative motifs. "US NAVAL RADIO STATION" is incised in a plaque above the door. A concrete foundation, water table, belt course and coping also ornament the building. First story windows on the structure contain six-over-six wooden sash with concrete sills and brick jack arches ornamented with concrete keystones. Second story windows possess similar treatment except for the keystone in the jack arch lintel. The elevation also possesses brick corbels imitating quoins (Photo 41634-12). The five bays of the east elevation exhibit windows with treatment matching the north elevation.

A small two-bay wide, one-story wing connects the northern building to a two-story brick wing composed of three bays filled with industrial sash between its concrete water table and its concrete belt course. Both wings display five-to-one common bond. The two-story wing joins to the second parallel structure displaying features similar to the wing (Photo 41634-14). A shallowly-sloped gable roof caps the parallel wing. Another two-story wing with industrial sash connects to the southern of the parallel buildings. One-story structures with industrial sash have been appended between the middle and southern parallel buildings (Photo 41634-15).

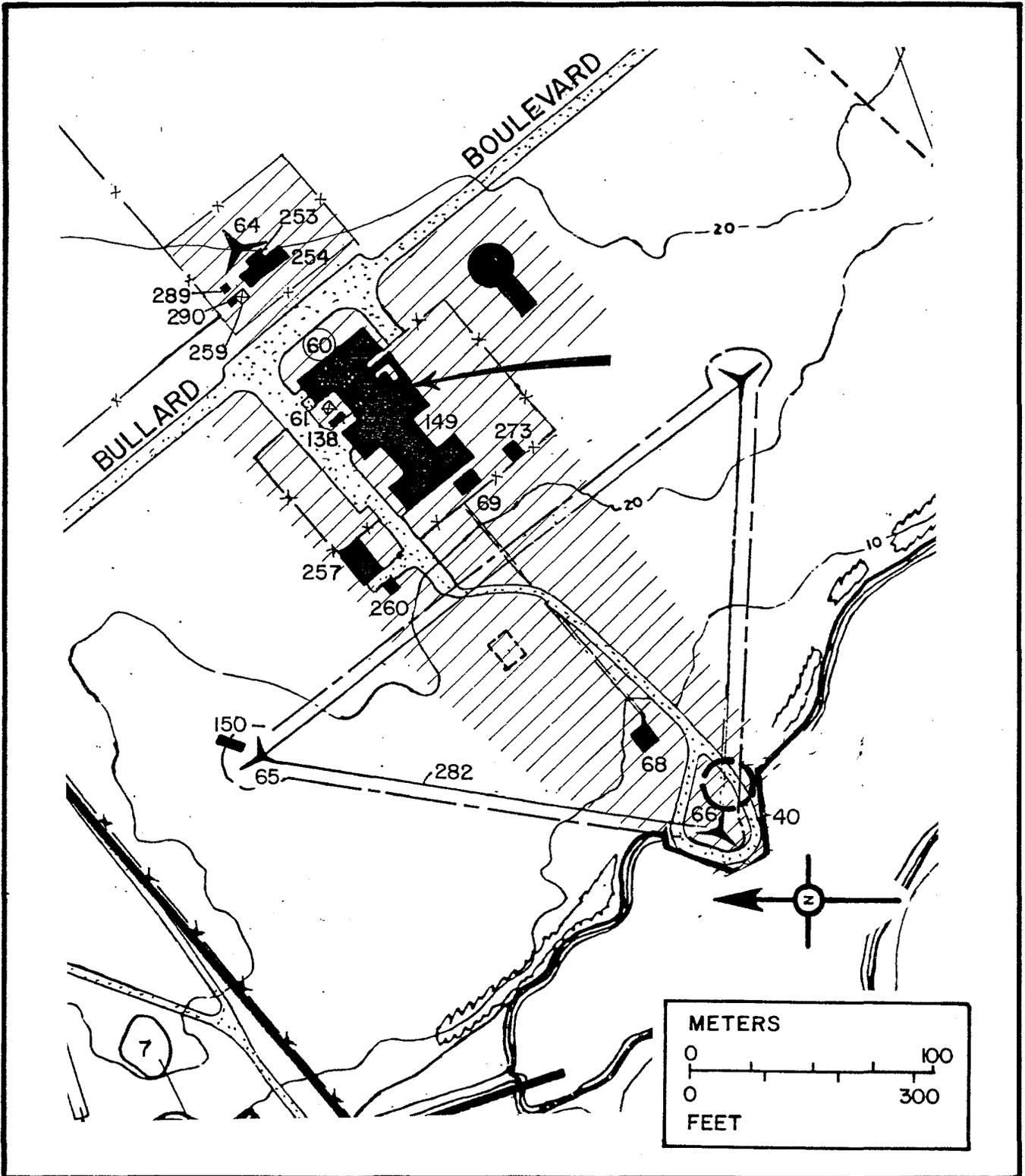
MD State Historic Sites Inventory Form
Continuation Sheet 7.2

MHT # AA: 2189
Building NA60
LF Transmitter Building
Anne Arundel County

DESCRIPTION Continued

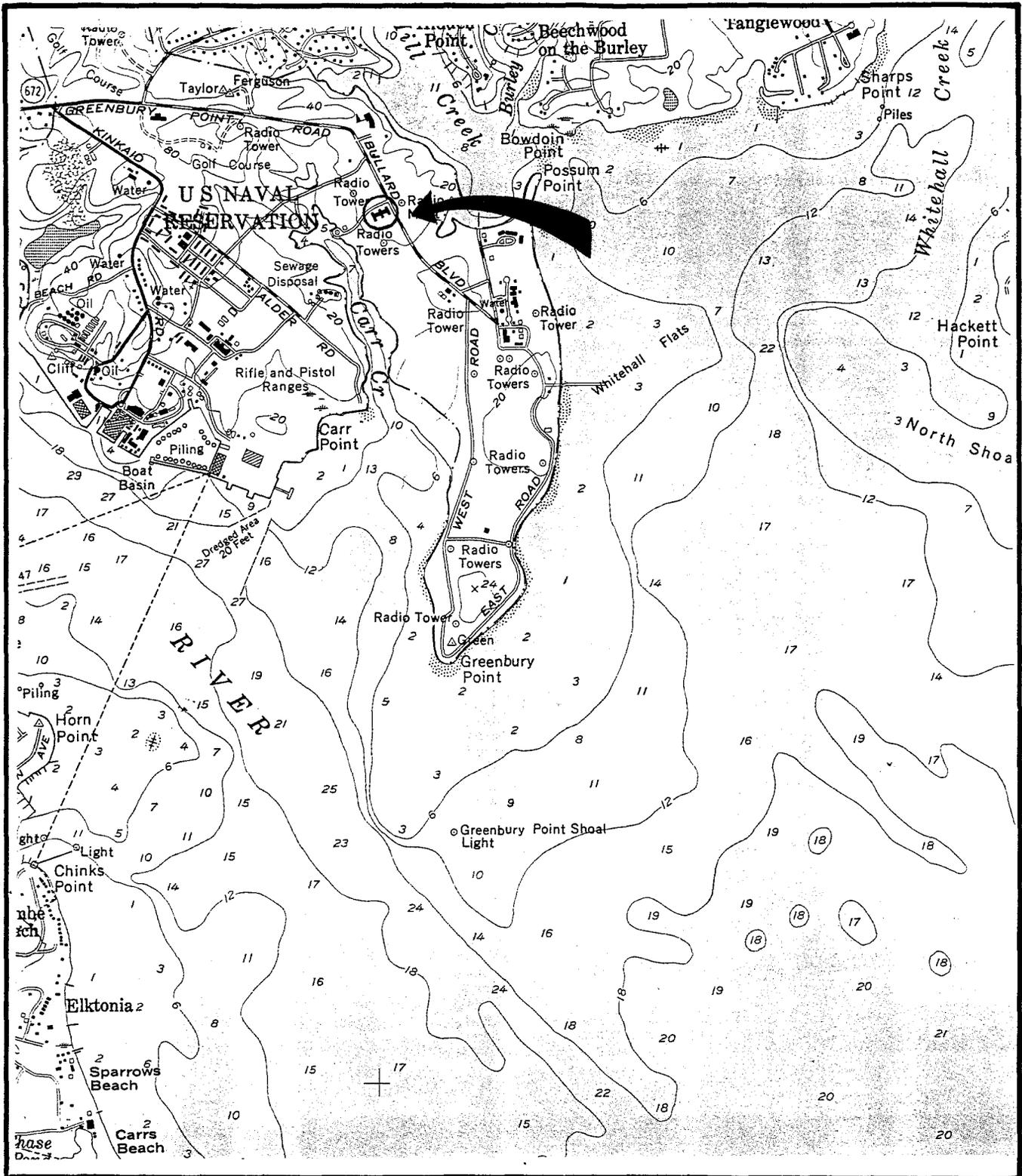
Building NA69 (Helix Structure A) stands immediately southwest of the southern parallel wing of NA60 (Photo 41634-16). Two stories tall atop a concrete foundation, NA69 exhibits five-to-one common bond brick construction and a slightly-sloped gable roof with copper flashing. An arched opening in the western elevation contains an electrical connection. Steel double leaf doors permit entry through the southern elevation. Another steel door penetrates the north elevation (Photo 41634-17). Electrical wires connect the Helix House with Building NA60.

Roughly 100 meters (300 feet) southwest of the Helix House stands Building NA68, Low Frequency Helix House B-C (Photo 41634-19). NA68 imitates Helix House NA69 in form, materials and massing (Photo 41634-20).



-Resource Sketch Map-
 North Severn Facility Building NA60
 Annapolis, Anne Arundel County

AA-2189



-Location Map-

LF Transmitter Building (North Severn Facility NA60)
 Annapolis, Anne Arundel County
 USGS 1957 Annapolis, MD

AA-2189



AA-2189

ROLL 41634 FRAME 18

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11-20-95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

West and South elevations Building NA60

1/11



AA 2189

ROLL 41634 FRAME 21

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.

Mechanicsburg, Pa.

Northwest and Southwest elevations
Buildings NA68, NA69, NA60

2/11



AA-2189

ROLL 41634 FRAME 13

Building NA60
Anne Arundel Co., Maryland
Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

East and West elevations Building NA60

3/11



AA-2189

ROLL 41634 FRAME 11

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

East elevation main entry Building NA60

4/11



AA-2189

ROLL 41634 FRAME 12

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

Negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

South and East elevations Building NA60

5/11



AA-2189

ROLL 41634 FRAME 14

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

East and North elevations Building NA60
parallel wing

6/11



AA-2189

ROLL 41634 FRAME 15

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

Negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

North and east elevations Building NA60

7/11



AA-2189

ROLL 41634 FRAME 16

Building NA60
Anne Arundel Co., Maryland
Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

North and west elevations Building NA69

8111



AA-2189

ROLL 41634 FRAME 17

Building NA60
Anne Arundel Co., Maryland
Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

South and east elevations Building
NA609

9/11



AA-2189

ROLL 41634 FRAME 19

Building NA 60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

Southeast and Northeast elevations
Building NA 68

10/11



AA-2189

ROLL 41634 FRAME 20

Building NA60

Anne Arundel Co., Maryland

Stuart P. Dixon

11.20.95

negative at KCI Technologies, Inc.
Mechanicsburg, Pa.

Northwest and Southwest Elevations
Building NA 68

11/11