

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Indian Head Naval Powder Factory Historic District Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no _____ yes Name: _____ Date: _____
Is the property is located within a historic district? _____ yes _____ no

If the property is within a district District Inventory Number: _____
NR-listed district _____ yes Eligible district _____ yes Name of District: _____
Preparer's Recommendation: Contributing resource _____ yes _____ no Non-contributing but eligible in another context _____ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes _____ no

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

Documentation on the property/district is presented in:
Indian Head Division, Naval Surface Warfare Center, Historic and Archeological Resource Protection Plan CH 94

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The Naval Powder Factory (NPF) Historic District consists of approximately 370 acres in the easternmost section of the installation. The district boundaries encompass all areas associated with the production of smokeless powder through World War II. The district contains 118 contributing resources and 46 non-contributing resources. Among the contributing resources are a solvent recovery house and its associated condenser houses; a powder picking house; an ether vault; smokeless powder magazines; and, research laboratories.

The NPF district is significant under Criterion A as the first major chemical factory operated by the Navy and an important supplier of smokeless powder during World Wars I and II. The district also was the location of a n important research and development facility that contributed significantly to the development of more efficient manufacturing processes and new armament technology. The facility was designed so that raw materials entered the lane at Mattawoman Creek and advanced through the manufacturing process by rail. The manufacturing corridor, known as the Single Base Line forms the spine of the district. The support services, such as power plant, water distribution, storage, and offices were built along the sides of the main production corridor. The industrial buildings were designed to house specific machinery and processes.

The period of significance for the NPF historic district is 1900 to 1945. This period covers the initial phase of production and

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended _____
Criteria: A B C D Considerations: _____ A _____ B _____ C _____ D _____ E _____ F _____ G _____ None

MHT Comments
Documentation reviewed by Lauren Bowlin-eligibility determination concurrence by Trust. The Trust has never received the MIHP forms

Reviewer, Office of Preservation Services _____ Date _____
J. Rodney Little _____ June 25, 1996
Reviewer, NR Program _____ Date _____

Indian Head Naval Powder Factory Histori

Page 2

extends through World War II, when the factory was significantly expanded.

Prepared by: L. Campbell & T. Davis/R.C.Goodwin Date Prepared: 05/01/1998

CH-491

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN THE INDIAN HEAD NAVAL
POWDER FACTORY HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

| BUILDING NUMBER | TITLE | NR STATUS |
|-----------------|------------------------------------|-----------|
| 101 | CHEMICAL LABORATORY | C |
| 102A | STOREHOUSE-LABORATORY | C |
| 103 | SAMPLE CONTROL BUILDING | C |
| 160 | CAD REWORK BUILDING | C |
| 164A | COMBINED WITH 164 | C |
| 164B | ETHER PUMP HOUSE | C |
| 164 | STOREHOUSE-DISTILL./MISC. 164A | C |
| 165 | ETHER VAULT NO.1 | C |
| 167 | STOREHOUSE-ETHER | C |
| 174 | POWDER DRYHOUSE NO.2. PIPE STORAGE | C |
| 175 | POWDER DRYHOUSE NO.3 | C |
| 176 | STORGE BUILDING-EXPLOSIVE | C |
| 177 | STORAGE LEVER PAK | C |
| 178 | POWDER DRYHOUSE NO.6 | C |
| 179 | POWDER DRYHOUSE NO.7 | C |
| 180 | STORAGE BUILDING-INERT | C |
| 181 | POWDER DRYHOUSE NO.9 | C |
| 183 | POWDER DRYHOUSE NO.11 | C |
| 187 | STORAGE BUILDING-EXPLOSIVES | C |
| 188 | REFRIGERATION SHOP | C |
| 204 | POWDER DRYHOUSE NO.14 | C |
| 206 | STOREHOUSE-GENERAL | C |
| 207 | STOREHOUSE-EQUIPMENT | C |
| 208 | STORAGE BUILDING-INERT | C |
| 210 | POWDER DRYHOUSE NO.20 | C |
| 212 | POWDER DRYHOUSE NO.22 | C |
| 213 | POWDER DRYHOUSE NO.23 | C |
| 214 | POWDER DRYHOUSE NO.24 | C |
| 216 | STORAGE BUILDING | C |
| 217 | OXIDIZER-STORAGE/PREP BUILDING | C |
| 218 | STORAGE BUILDING-HAZARDOUS WASTE | C |
| 219 | POWDER DRYHOUSE NO.29 | C |
| 220 | POWDER DRYHOUSE NO.30 | C |
| 222 | SURVEILLANCE OVEN BUILDING | C |
| 258 | TEST OVEN BUILDING | C |
| 273 | SOLVENT VAULT | C |
| 295 | PRESS HOUSE NO.2 | C |
| 296 | STORAGE BUILDING-ASBESTOS | C |

CH-491

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN THE INDIAN HEAD NAVAL
POWDER FACTORY HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

| BUILDING NUMBER | TITLE | NR STATUS |
|-----------------|--------------------------------------|-----------|
| 297 | PROCESSING BUILDING-INERT | C |
| 313 | ASSEMBLY BUILDING | C |
| 325 | STORAGE/WEIGHING BUILDING-ALUMINUM | C |
| 326 | POWDER DRYHOUSE NO.33 | C |
| 327 | POWDER DRYHOUSE NO.34 | C |
| 328 | POWDER DRYHOUSE NO.35 | C |
| 453 | SOLVENT RECOVERY BUILDING | C |
| 28 | SAFETY CLASSROOM/RPP CLASSROOM | C |
| 102 | CHEMICAL LABORATORY | C |
| 105 | STOREHOUSE-INERT | C |
| 106A | MAGAZINE | C |
| 106B | MAGAZINE | C |
| 106C | COMBINED WITH 106D | C |
| 107 | STOREHOUSE-CHEMICALS | C |
| 108A | STOREHOUSE-INERT/OFFICES | C |
| 108 | MAGAZINE | C |
| 109A | MAGAZINE | C |
| 109 | MAGAZINE | C |
| 128A | AIR TANK HOUSE | C |
| 128 | WELL WATER PUMP HOUSE NO.1 | C |
| 129 | WELL WATER METER HOUSE | C |
| 130 | WATER STPRAGE TAMLSTAMD[O[E | C |
| 143 | WELL WATER PUMP HOUSE NO.2 | C |
| 144 | STORAGE SHED-INERT | C |
| 145 | STOREHOUSE/OFFICES | C |
| 148 | STORAGE BUILDING-INERT | C |
| 154 | STORAGE BUILDING | C |
| 157 | STOREHOUSE | C |
| 159 | MECHANICAL/METALS TEST LAB/NDT BLDG. | C |
| 166 | STOREHOUSE - ALCOHOL | C |
| 194 | CHANGE HOUSE | C |
| 201 | STOREHOUSE-GENERAL | C |
| 211 | STORAGE BUILDING-EXPLOSIVES | C |
| 223 | STORAGE BUILDING-EQUIPMENT | C |
| 224 | STOREHOUSE | C |
| 241 | RSSI OPERATIONS BUILDING | C |
| 256 | MAGAZINE | C |
| 257 | MAGAZINE | C |
| 259 | STOREHOUSE | C |
| 260 | STOREHOUSE-GENERAL | C |
| 262 | SERV-MART BUILDING | C |

CH-491

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN THE INDIAN HEAD NAVAL
POWDER FACTORY HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

| BUILDING NUMBER | TITLE | NR STATUS |
|-----------------|---|-----------|
| 263 | STOREHOUSE-GENERAL | C |
| 264 | STOREHOUSE-GENERAL | C |
| 265 | STOREHOUSE-GENERAL | C |
| 266 | STOREHOUSE-DISPOSALS | C |
| 287 | STORAGE BUILDING-INERT | C |
| 288 | STORAGE BUILDING | C |
| 295A | INERT FOREIGN MIL SALES OPERATIONS | C |
| 304 | WASTEWATER LAB BUILDING | C |
| 311 | MAGAZINE-NAVY CAD DEPOT | C |
| 312 | MAGAZINE | C |
| 402 | WELL WATER METER PIT | C |
| 403 | WELL WATER METER PIT | C |
| 438 | MAGAZINE | C |
| 481 | CAD DEVELOPMENTAL EVALUATIONS BUILDING | C |
| 496 | ETHER VAULT NO.4 | C |
| 505 | OXIDIZER-DRYHOUSE NO.59 | C |
| 507 | STORAGE BUILDING-ALUM-DRYHOUSE NO.61 | C |
| 508 | WAREHOUSE-OXIDIZER-DRYHOUSE NO.62 | C |
| 509 | WAREHOUSE-GENERAL-DRYHOUSE NO.63 | C |
| 513 | MAGAZINE-AIR FORCE CAD DEPOT | C |
| 514 | MAGAZINE | C |
| 515 | MAGAZINE-GFM STORAGE | C |
| 524 | STORAGE BUILDING-CHEMICALS | C |
| 545 | STORAGE BUILDING-EQUIPMENT | C |
| 555 | EXPLOSIVE TEST LABORATORY | C |
| 556 | OFFICE BUILDING | C |
| 596 | STABILITY TEST BUILDING | C |
| 600 | RESEARCH/DEVELOPMENT BUILDING | C |
| 613 | STORAGE BUILDING | C |
| 921 | AIR CONDITIONING PLANT | C |
| 922 | STORAGE BUILDING-EQUIPMENT | C |
| 923 | STORAGE BUILDING-INERT | C |
| 924 | STORAGE BUILDING-EQUIPMENT | C |
| 925 | STORAGE BUILDING-CHEMICALS | C |
| 926 | STOREHOUSE | C |
| 930 | CONDENSOR HOUSE | C |
| 931 | CONDENSOR HOUSE | C |
| 932 | CONDENSOR HOUSE | C |
| 933 | CONDENSOR HOUSE | C |
| 106D | MAGAZINE-ENERGETICS STORAGE 106C | NC |

CH-491

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN THE INDIAN HEAD NAVAL
POWDER FACTORY HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

| BUILDING NUMBER | TITLE | NR STATUS |
|-----------------|--------------------------------------|-----------|
| 106E | CHEMICALS VAULT-GAS CYLINDERS | NC |
| 159A | STORAGE BUILDING | NC |
| 163 | STORAGE BUILDING – INERT | NC |
| 171 | WEAPONS ENGINEERING OFFICES BUILDING | NC |
| 182 | POWDER DRYHOUSE NO. 10 | NC |
| 194A | CAD/PAD OPERATIONS/LUNCH ROOM BLDG. | NC |
| 261 | COMBINED WITH 1660 | NC |
| 286 | CARTRIDGE OPERATION BUILDING | NC |
| 292 | INERT PROCESSING BUILDING A&B | NC |
| 298 | STORAGE BUILDING –X-RAY | NC |
| 299 | OFFICE/TECHNICAL LIBRARY | NC |
| 300 | V L S FACILITY | NC |
| 301 | OFFICE BUILDING | NC |
| 302 | OFFICE BUILDING | NC |
| 303 | OFFICE BUILDING | NC |
| 439 | MAGAZINE | NC |
| 444 | TEST PAPER MANUFACTURE LAB | NC |
| 447 | WELL WATER METER HOUSE | NC |
| 448 | STOREHOUSE | NC |
| 449 | STOREHOUSE | NC |
| 454 | STORAGE BUILDING—FLAMMABLE | NC |
| 455 | STOREHOUSE-HAZARDOUS WASTE | NC |
| 456 | ELECTRICAL FABRICATIONS OFFICE BLDG | NC |
| 482 | SAFETY OFFICE BUILDING | NC |
| 489 | STEAM PIPE BRIDGE | NC |
| 490 | ENGINEERING OFFICE BUILDING | NC |
| 491 | ELECTROMECHANICAL REMOVER BUILDING | NC |
| 492 | CHANGE HOUSE | NC |
| 502 | FLUORINE LABORATORY | NC |
| 597 | MAGAZINE | NC |
| 598 | MAGAZINE | NC |
| 614 | SUBSTATION | NC |
| 629 | EXHAUSTER HOUSE | NC |
| 630 | ALCOHOL PUMP HOUSE | NC |
| 645 | SMALL ARMS ARMORY (SUPPLY STORAGE) | NC |
| 648 | FUEL STORAGE TANS AREA A-19 | NC |
| 934 | CONDENSOR HOUSE | NC |
| 935 | CONDENSOR HOUSE | NC |
| 936 | CONDENSOR HOUSE | NC |
| 937 | CONDENSOR HOUSE | NC |
| 938 | STORAGE BUILDING – OIL | NC |

CH-491

NATIONAL REGISTER STATUS OF BUILDINGS WITHIN THE INDIAN HEAD NAVAL
POWDER FACTORY HISTORIC DISTRICT

C=CONTRIBUTING NC=NON-CONTRIBUTING

| BUILDING NUMBER | TITLE | NR STATUS |
|-----------------|--------------------------------------|-----------|
| 939 | STORAGE BUILDING -GREASE | NC |
| 942 | INERT OPER. REPAIR SHOP/STORAGE BLDG | NC |
| 943 | STOREHOUSE-INERT | NC |
| 944 | STOREHOUSE-INERT | NC |

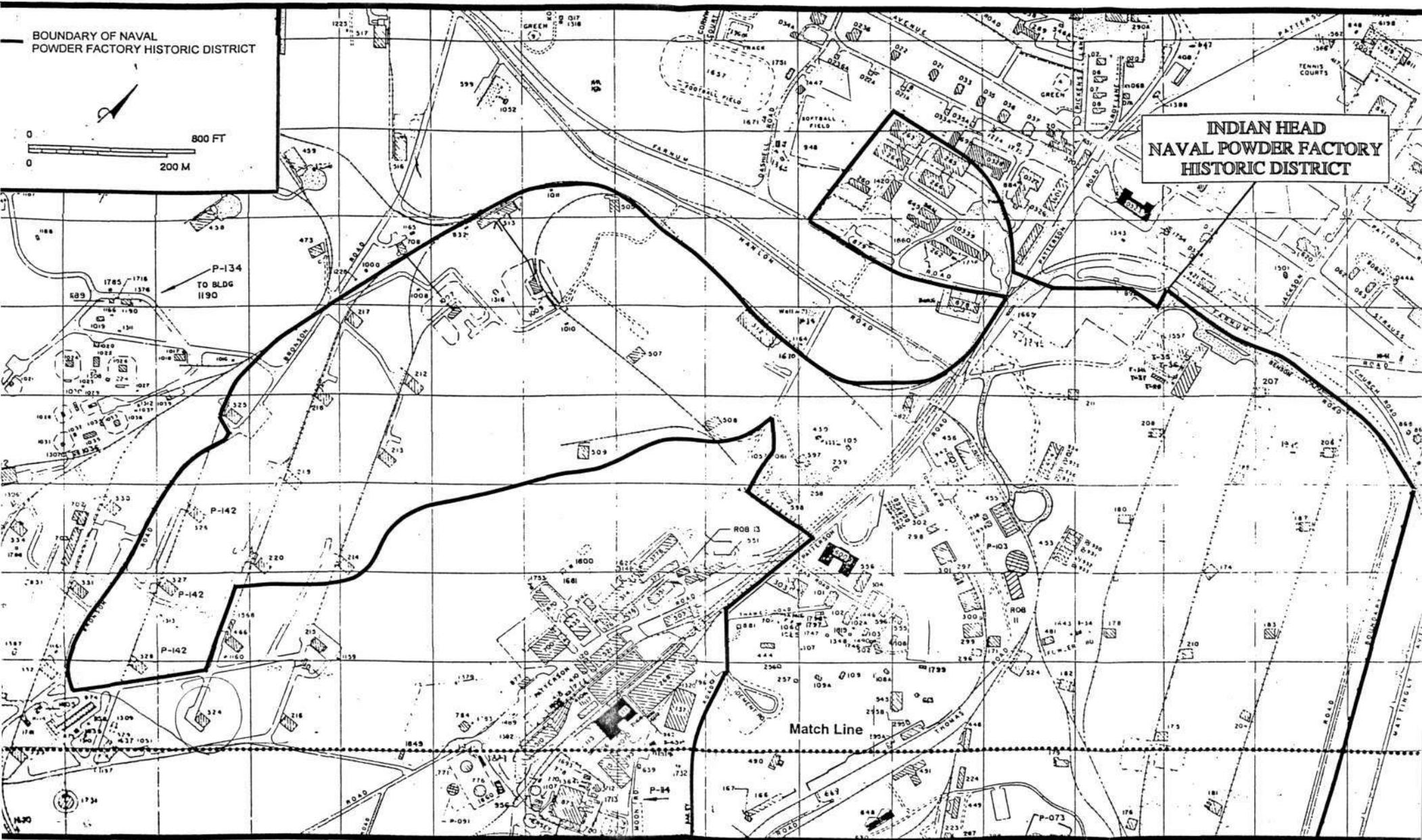
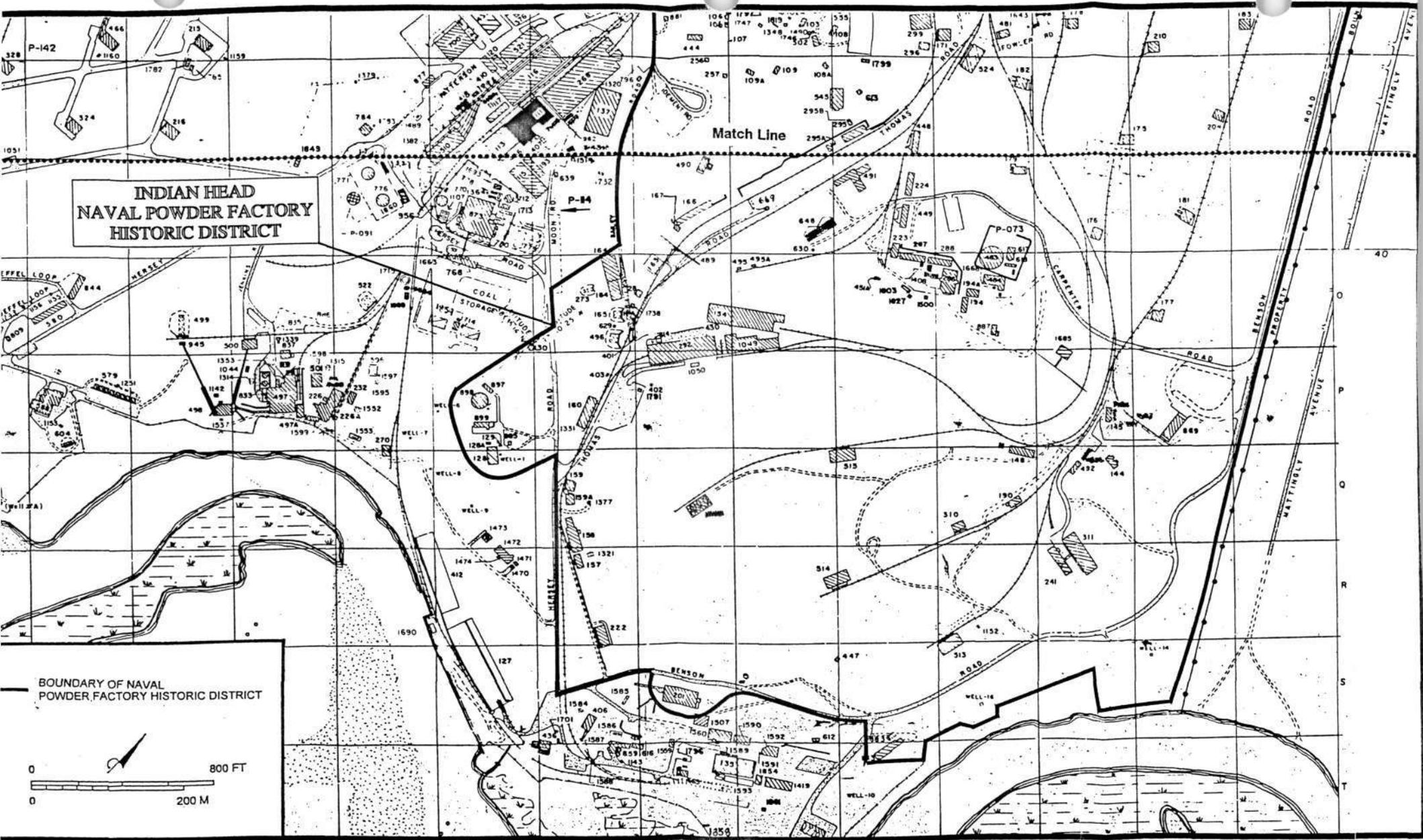


Figure 6a/b. Map depicting the boundaries of the Naval Powder Factory Historic District

CH-491



164-HD

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 106D Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 106D is a one-story, one-bay, rectangular, brick building raised on a concrete slab foundation. The front-gable roof is sheathed in asphalt shingles. The south elevation exhibits a centrally-located metal, double-door.

Building 106D was constructed in 1944 as a storage magazine for energetics and is currently abandoned. Building 106D exhibits few modifications and possesses integrity of design and materials.

Building 106D was constructed in 19044 as an energetics storehouse at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R. Christopher Goodwin & Assoc., Inc

Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

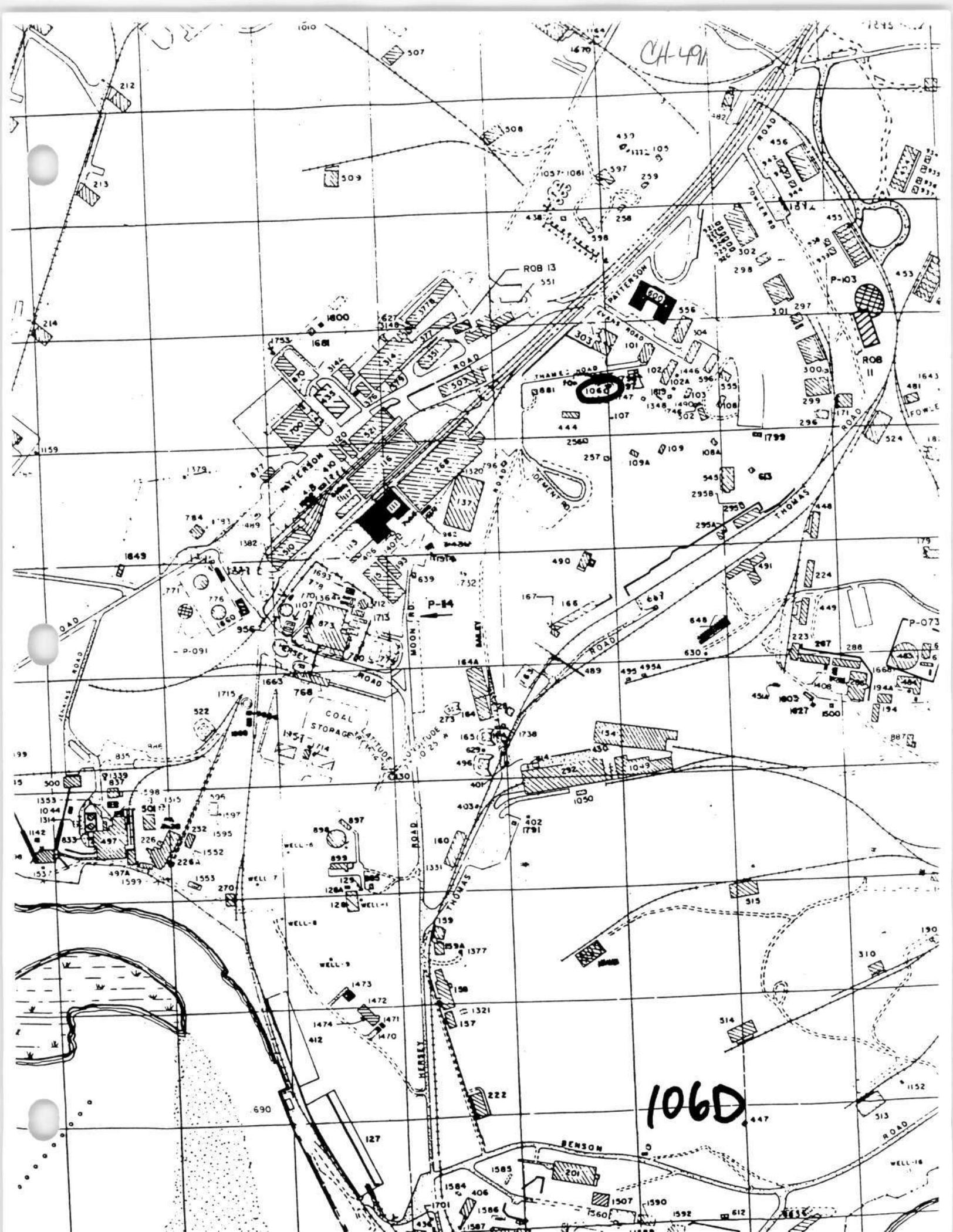
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

ROB 13
551

ROB II

MATTERSON
600

303

THOMAS ROAD
1062

1062

1062

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COAL STORAGE

WELL-6

WELL-7

WELL-8

WELL-9

WELL-10

WELL-11

WELL-12

WELL-13

WELL-14

WELL-15

WELL-16

106D

BENSON

WELL-16



106 A

106 B

106 D

106 E

CH-49

106 D BLDG.

CHARLES COUNTY, MARYLAND 03-07 111111110000 017

JOHN MILNER ASSOC.

1995

JOHN MILNER ASSOC.

E ELEVATION OF MAGAZINE ENERGETICS STORAGE

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 106E Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 106E is a one-story, one-bay, rectangular, poured concrete structure. The building features bermed earth sides ad roof with protruding metal vent stack. The south elevation exhibits a centrally-located metal, double-door, set within the front façade of the structure.
Building 106E was constructed in 1944 as a storage magazine for chemicals. The building is currently used for storage. Building 106E exhibits few modifications and possesses integrity of design and materials.
Building 106E was constructed in 1944 as a storehouse at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments Documentation reviewed by LL Bowlin | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



106A

106B

106D

106E

CH-491

106E-BLDG.

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

E ELEVATION OF CHEMICAL VAULT - GAS CYLINDERS

TCP 83-80 HHHHHHBBAA 817

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

CH-491

Property Name: Bldg 128, Pump House No.1 Inventory Number: Contrib. CH-377 Resource

Address: Hersey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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

Is the property located within a historic district? no yes Name of district: Indian Head Naval Powder Factory
Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold 1994 Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland. John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

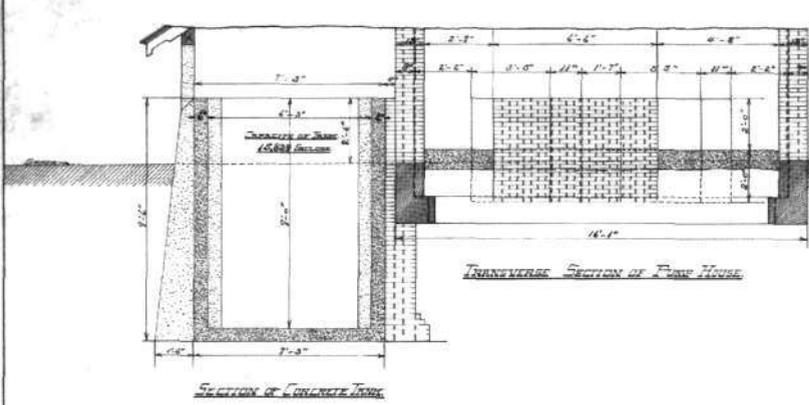
The pump house No. 1, built in 1900, is a one-story, three-bay, rectangular brick structure terminating in a gable roof. The building is used for pumping potable water. The structure rests on a brick wall foundation. The windows are six-over-six-light, double-hung, wood-sash units with brick segmental arch lintels and stone lug sills. The off-center entrance located on the gable end has a replacement metal door with a segmental brick arch lintel. A one-story, wood-frame, screened-in addition on the south-side elevation protects the settling ponds. This gable-roof addition rests on a reinforced concrete foundation and is accessed by a screen door. A modern, one-story, shed-roof addition is appended to the southeast corner of the first addition. The wood-frame walls are clad with corrugated asbestos siding and the door is wood. In 1989, two new 750-gpm water pumps and motor starters replaced the original equipment.

A 1994 architectural survey assessed this property as a contributing element to the Indian Head Naval Powder Factory Historic District and classified it category III under the Navy's HARP guidelines (Stevens 1994). Category III properties include minor service structures in a historic district, whose removal would not compromise the significance or character of the entity of which they are part. Building 128 was built to supply water necessary for the production of smokeless powder and for fire control (Criterion A). The pump house retains its character-defining window and door opening with ornamented with lintels and sills and concrete-lined pools in the wood-covered addition (Criterion C).

R. Christopher Goodwin &
Associates, Inc.

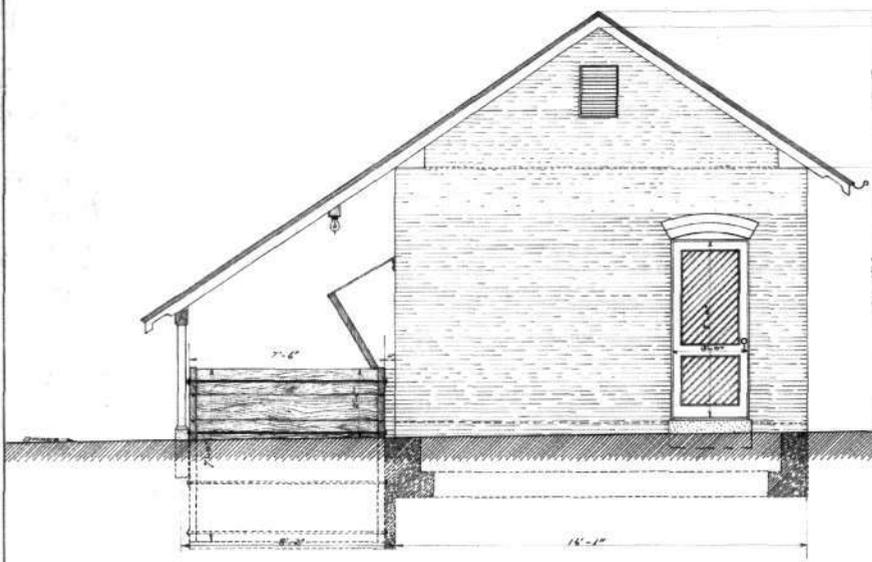
Prepared by: _____ Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|---|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: _____ | |
| <u>James J. Kelly</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| Reviewer, NR program | Date |

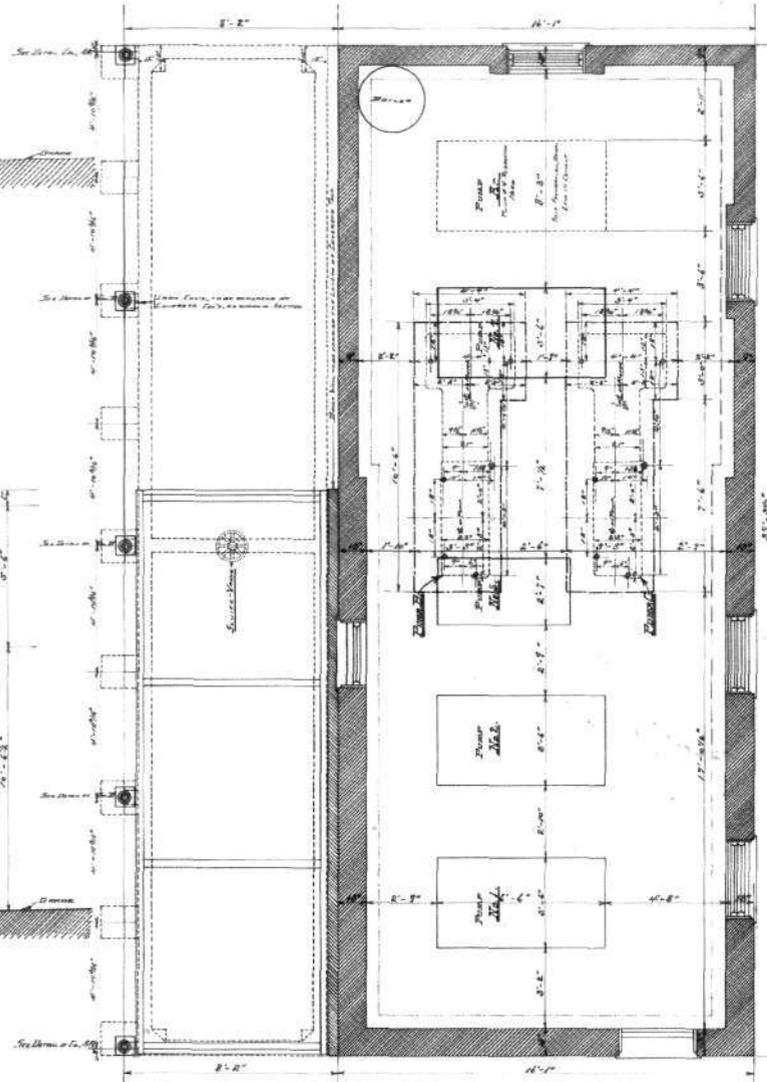


TRANSVERSE SECTION OF PUMP HOUSE

SECTION OF CONCRETE FOUNDATION

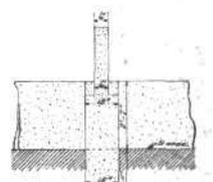


FRONT ELEVATION

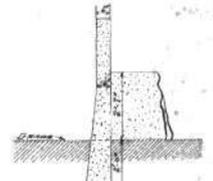


FLOOR PLAN

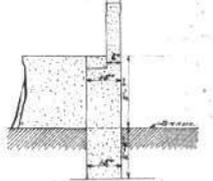
NOTE - Plans B & C New Plans
 Points L & B TO REMAIN IN PRESENT POSITION
 Point V TO BE TAKEN DOWN AND REBUILT AT A
 Point S TO BE TAKEN DOWN
 FOUNDATIONS OF PUMPS B & C - BRICK LIME IN CONCRETE
 18" FOUNDATION BELTS FOR PUMPS B & C WITH 2" OF
 THICK SAND UNDER 3" SAND FOUNDATION



Detail of Corner B



Detail of Corner A

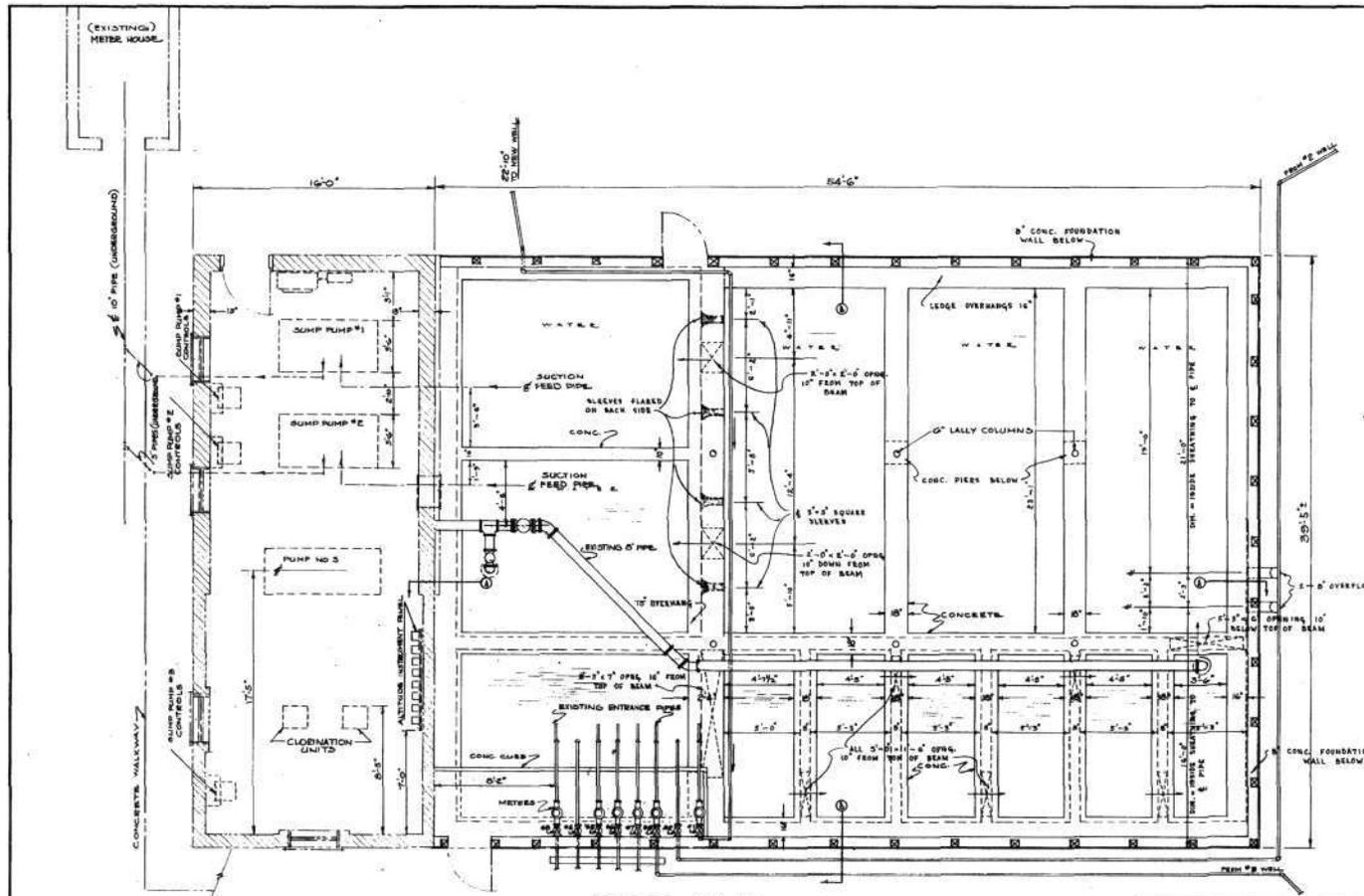


Detail of Corner D

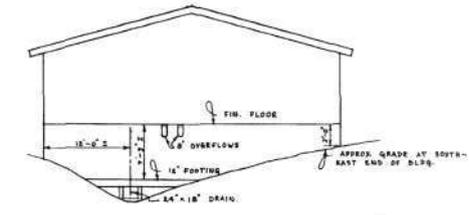
DRAWER NO. 29
 NAVAL FERRIES GROUND
 AND
 SMOKELESS POWDER FACTORY
 INDIAN HEAD MD.
 REVISIONS TO PUMP HOUSE & FOUNDATION
 OF NEW TRAIL, E. 12. 2
 INDIAN HEAD MD. MAR. 1910
 5th 1083
 R. H. Jackson
 ARCHT. & ENGR. 1115 N. WASHINGTON ST. BALTIMORE, MD.

26 1/2 x 41 1/2

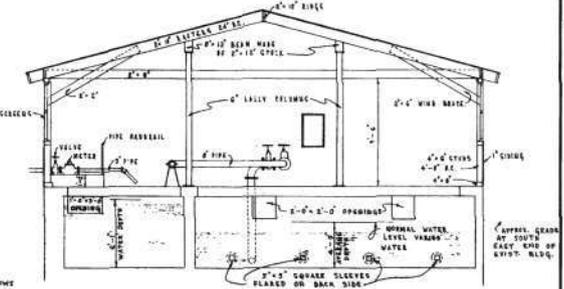
167-40



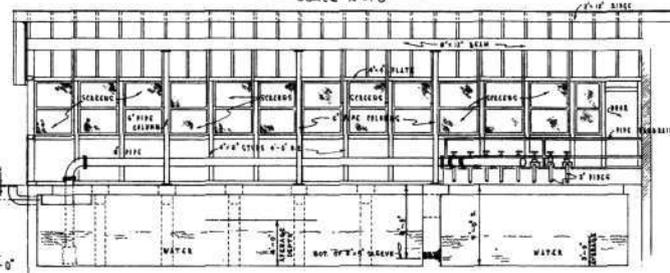
FLOOR PLAN
SCALE 1/4" = 1'-0"



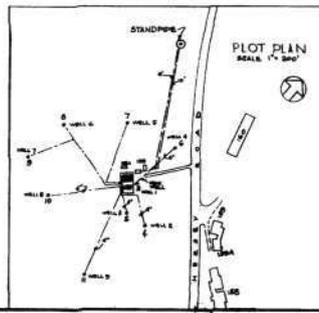
SOUTH EAST ELEVATION
SCALE 1/8" = 1'-0"



SECTION A-A
SCALE 1/8" = 1'-0"



SECTION A-A
SCALE 1/8" = 1'-0"



PLOT PLAN
SCALE 1/4" = 1'-0"

| | | |
|----------------------------------|---------|---|
| CORRECTED AS OF OCTOBER 11, 1954 | | BY |
| REVISION | DATE | APPROVED |
| P. W. DRAWING NO. | | DESCRIPTION |
| | | NAVAL POWDER FACTORY INDIAN HEAD, MD. |
| DES | | |
| DRAWN BY | 7-29-53 | |
| CHECKED BY | | |
| IN CHARGE | | |
| | | DATE |
| SATISFACTORY TO: | | COMMISSIONING OFFICER |
| DATE | | SCALE 1/4" = 1'-0" / 3/8" = 1'-0" |
| | | SHEET OF |
| | | DRAWING NO. 1242 |

167-H-1



MHP# CH-491 #1
Pump House
BUILDING 128, NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPHED BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD-SHPO

SUBJECT: BUILDING 128, NORTH FACADE

#1/4



MHP# CH-491
Pump House No. 1

BUILDING 128, NAVAL POWDER FACTORY HISTORIC DISTRICT, NAVAL

SUPPORT FACILITY INDIAN HEAD :

CHARLES COUNTY, MARYLAND

PHOTOGRAPHED BY: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD-SHPO

SUBJECT: BUILDING 128, EAST FACADE

214



MHP# CH-491
Pump House No. 1

BUILDING 128, NAVAL POWDER FACTORY HISTORIC DISTRICT, NAVAL
SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY MARYLAND

PHOTOGRAPHED BY: LISA BIDDLE (ERG)

LOCATION OF NEGATIVES: MD-SHPO

SUBJECT: BUILDING 128, SOUTH FACADE

3/4



MHDP# CH-49/
Pump House No. 1

BUILDING 128, NAVAL POWDER FACTORY HISTORIC DISTRICT, NAVAL
SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

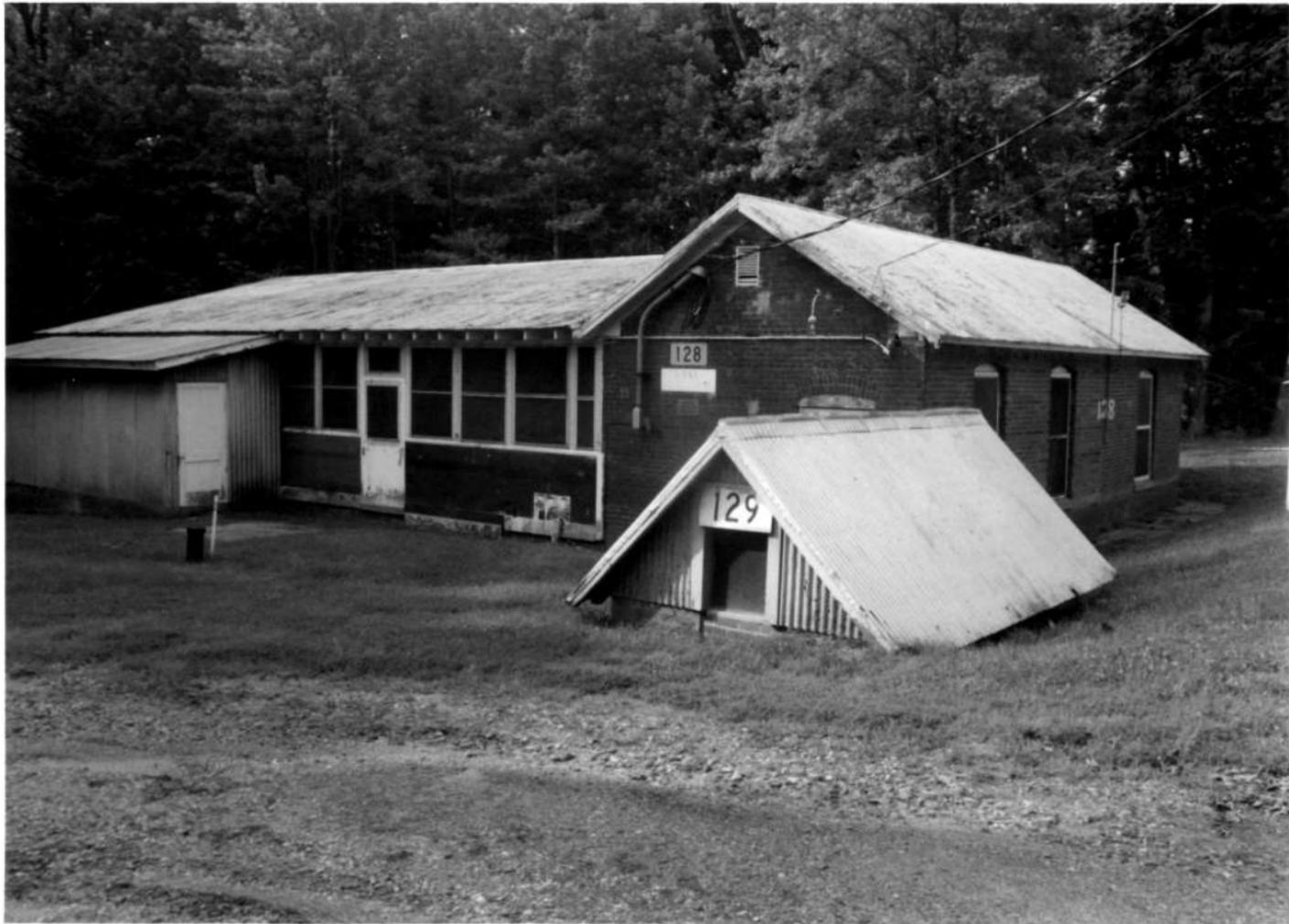
PHOTOGRAPHER BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES MD-SHPO

SUBJECT: BUILDING 128, WEST FACADE

4/4



CH-491

Bldg 128

Charles Co Md

B. Cleven

6/2003

Md SHPO

Front & Right elev, view S

1 of 2



CH-491

Bldg 128

Charles Co, Md

B. Cleven

6/2003

Md SHPO

Right & Rear elev. view E

2 of 2

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 128A, Air Tank House Inventory Number: Contrib. Resource CH-491

Address: Hersey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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
Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold
1994 *Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland.* John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The air tank house is a simple, one-story, rectangular, poured concrete structure that terminates in a corrugated metal gable roof. The building, constructed in 1925, houses a riveted boiler used as a compressed air surge tank, which rests on a brick foundation.

A 1994 architectural survey assessed this property as a contributing element to the Indian Head Naval Powder Factory Historic District and classified it category III (Stevens 1994). Category III properties are minor service structures in a historic district, whose removal would not compromise the significance or character of the entity of which they are part.

Building 128A was a late addition to the pump house No. 1 complex, which was constructed in 1900, and bears no direct association with important themes and events embodied by the Naval Powder Factory (Criterion A). Physically, the building does not possess distinctive individual characteristics representative of a type, period, or method of construction (Criterion C). This building does not possess the qualities of significance or integrity for listing in the National Register of Historic Places.

Prepared by: R. Christopher Goodwin & Associates, Inc.

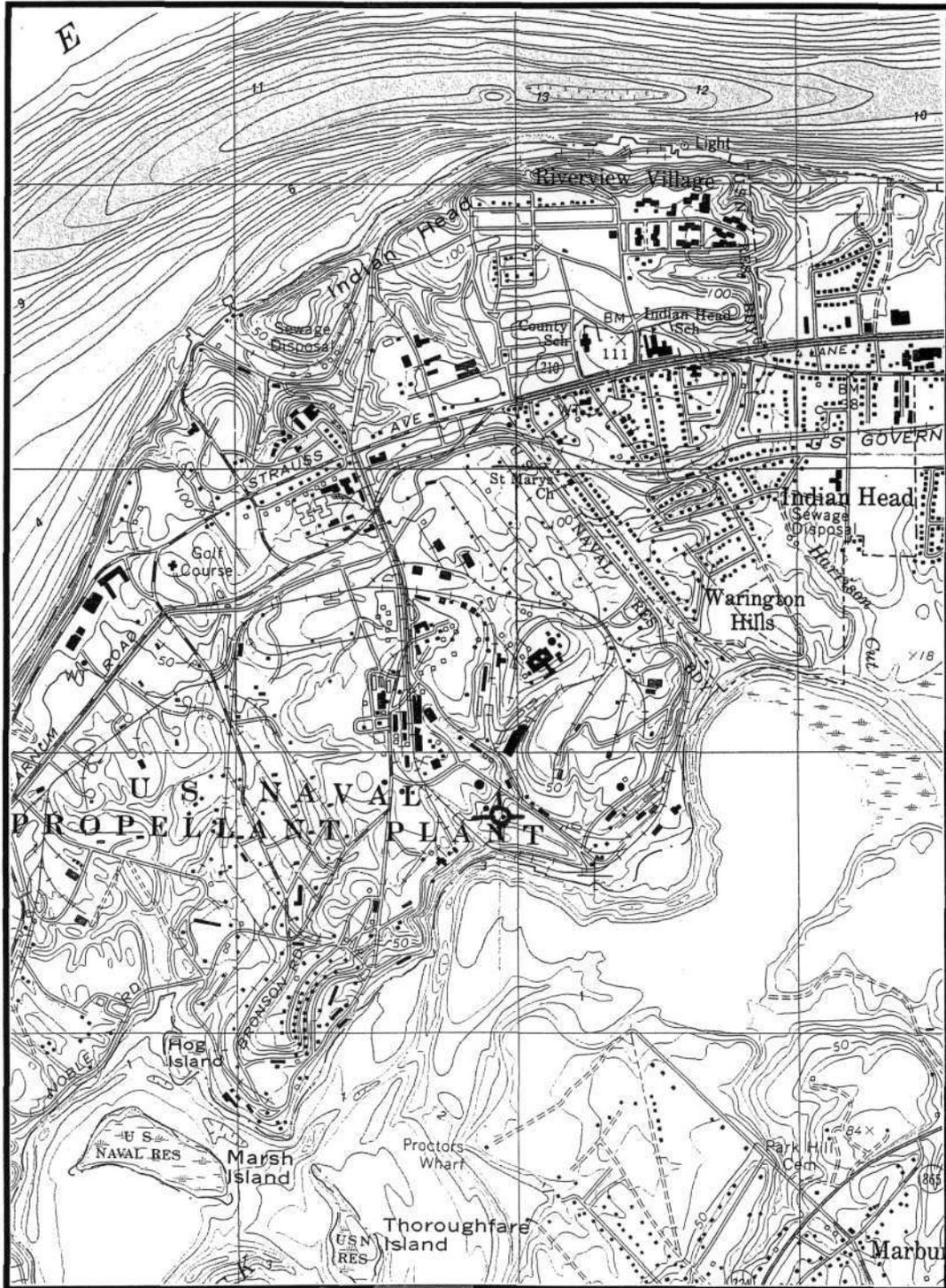
Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|--|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Determined eligible as a contributing resource in 1996, as per list with documentation on the Indian Head Naval Powder Factory Historic District.</u> | |
| <u>The building has not changed since that determination.</u> | |
| <u>[Signature]</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>[Signature]</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

Bldg. 128A
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





128 A

MHP # CH-491
Air Tank House

BUILDING 128A, NAVAL POWDER FACTORY HISTORIC DISTRICT

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPHED BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT: BUILDING 128A, SOUTH FACADE

1/47



MHPH # CH-491
Air Tank House

BUILDING 128A, NAVAL POWDER FACTORY HISTORIC DISTRICT, NAVAL
SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPHED BY LISA BIDDLE (ERIG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD-SHPO

SUBJECT BUILDING 128A, NORTH FACADE

2/4



MHDP# CH-491

Air Tank House

BUILDING 128A, NAVAL POWDER FACTORY HISTORIC DISTRICT,

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

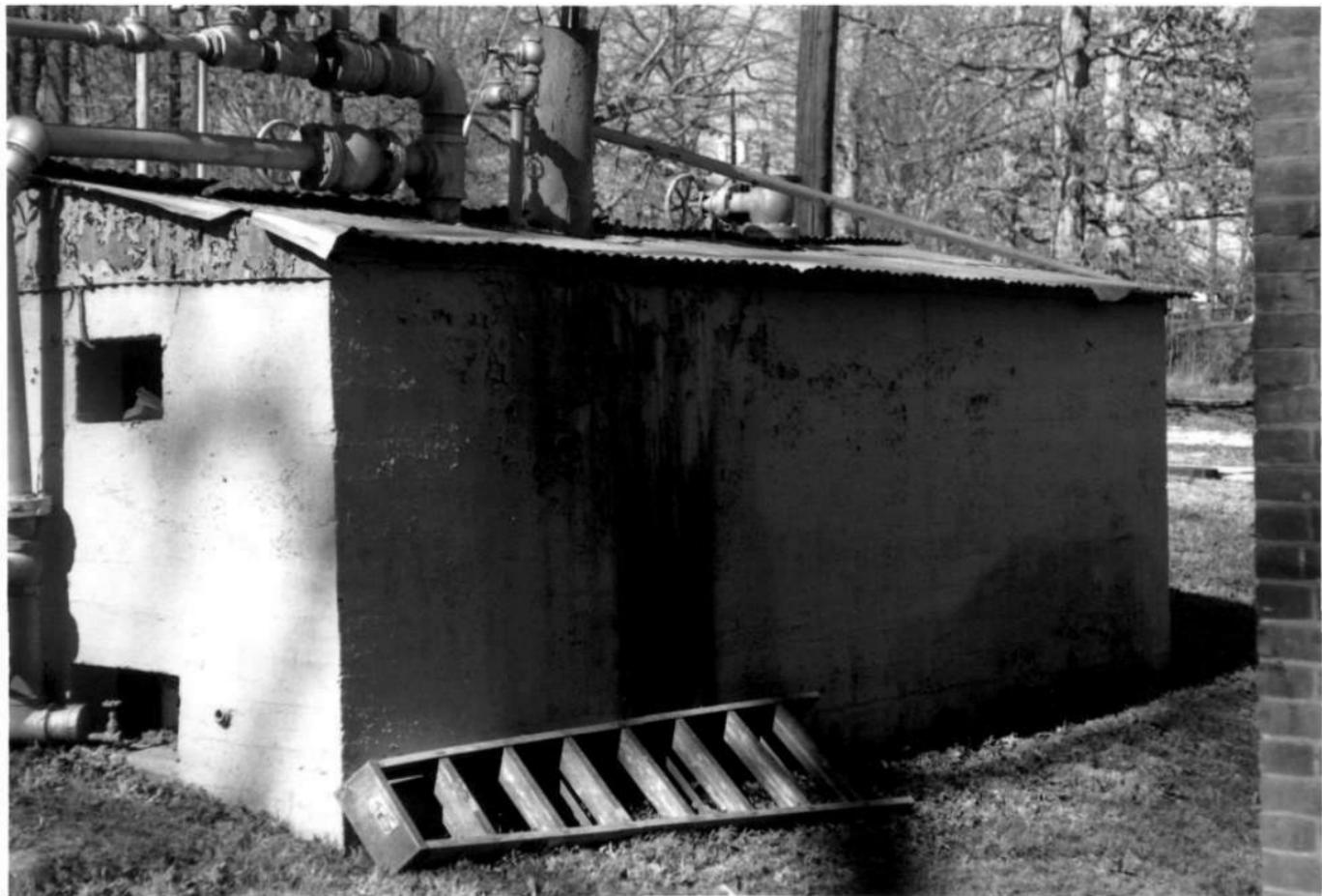
PHOTOGRAPHED BY LISA BIDDLE (ERE)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD-SHPO

SUBJECT BUILDING 128A, EAST FACADE

3/4



MIHP# CH-491
Air Tank House

BUILDING 128A NAVAL POWDER FACTORY HISTORIC DISTRICT

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT BUILDING 128A, WEST FACADE

4/41



128 A

128

CH-491

Building 128 A

Charles Co, Md.

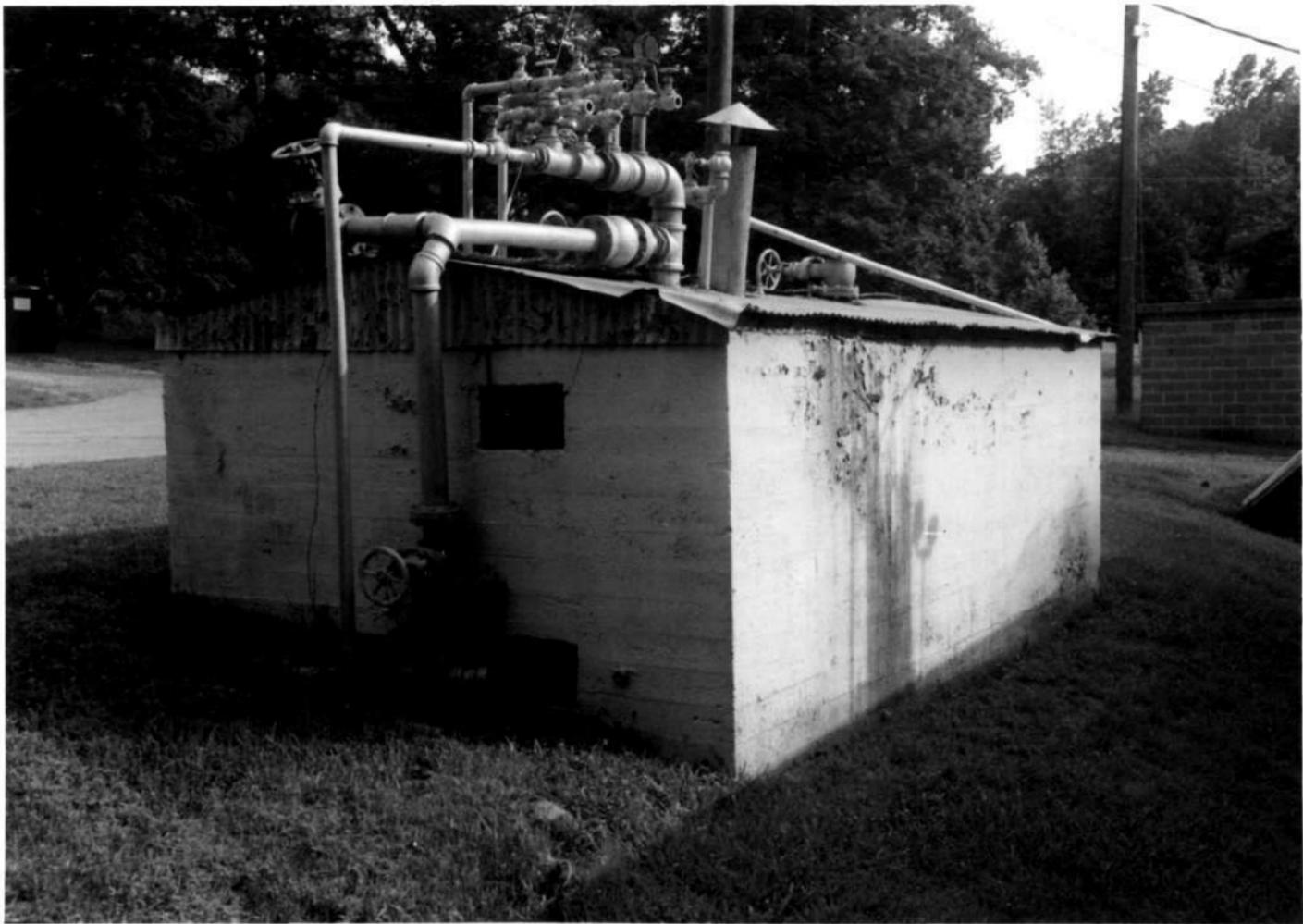
B. Cleven

6/2003

Md SHPO

NW&NE elev, view S.

1 of 2



CH-491
Building 128A
Charles Co., Md.

B. Cleven

6/2003

Md SHPO

SW & SE elev, view N

2 of 2

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 129, Well Water Meter House Inventory Number: Contrib. Resource CH-491

Address: Hersey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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

Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold 1994 *Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland.* John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The well water meter house is a ½-story, rectangular brick building built in 1910 on concrete footings with a gable roof sheathed with corrugated asbestos. A centered, tongue-and-groove, wood door is located on one gable end and a single-light-plexiglass, wood-sash window on the other.

A 1994 architectural survey assessed this property as a contributing element to the Indian Head Naval Powder Factory Historic District and assigned it category III (Stevens 1994). Category III properties are minor service structures in a historic district, whose removal would not compromise the significance or character of the entity of which they are part.

Building 129 was a late addition to the pump house No. 1 complex, which was constructed in 1900, and bears no direct association with important themes and events embodied by the Naval Powder Factory (Criterion A). Physically, the building does not possess distinctive individual characteristics representative of a type, period, or method of construction (Criterion C). This building does not possess the qualities of significance or integrity for listing in the National Register of Historic Places.

Prepared by: R. Christopher Goodwin & Associates, Inc.

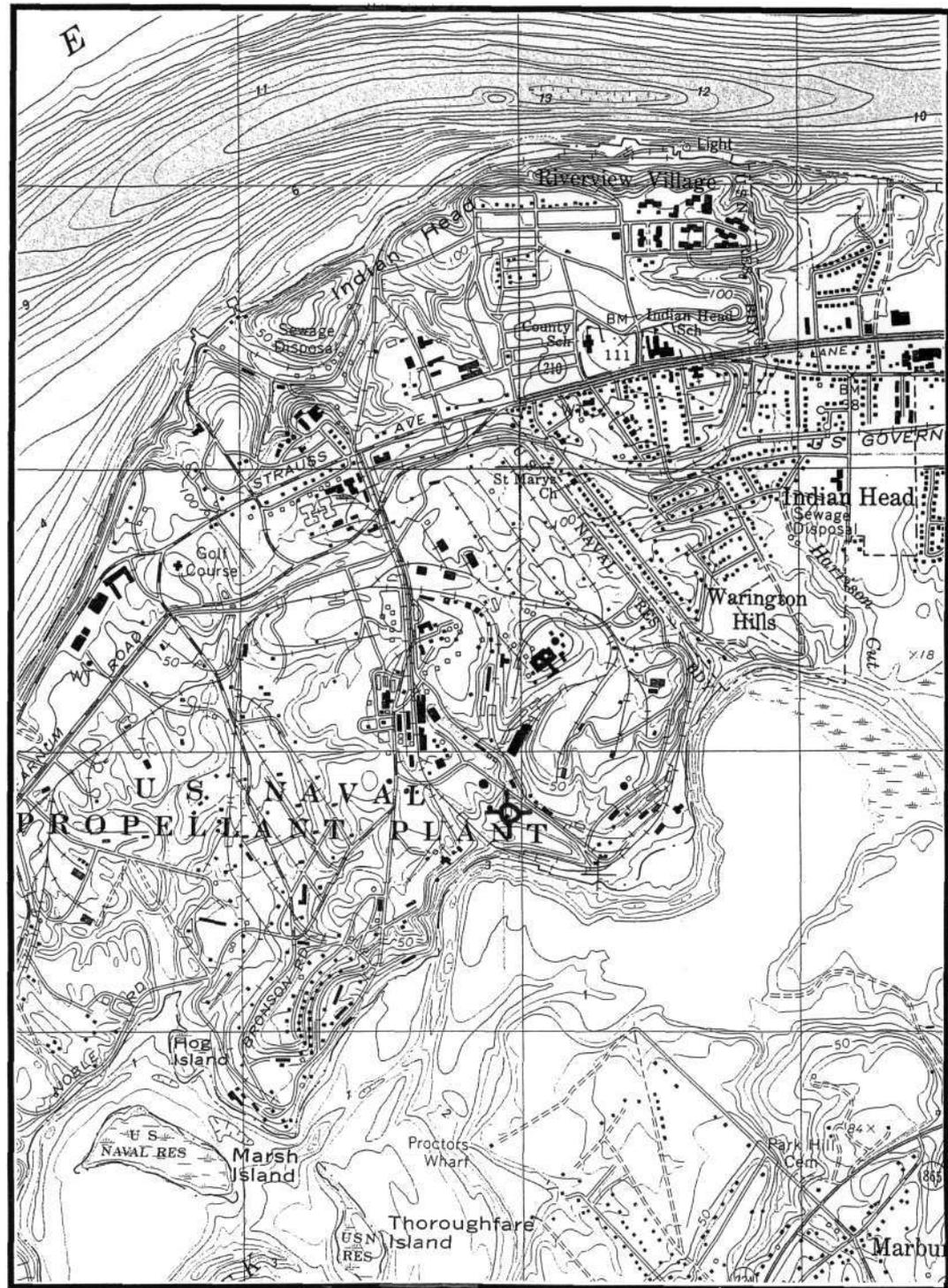
Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|--|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Contributes to the Indian Head Naval Powder Factory Historic District as per the 1996 eligibility determination. The building remains contributing.</u> | |
| <u>[Signature]</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>[Signature]</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

Bldg. 129
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





MIHP # CH-491
Well Water Meter House

BUILDING 129, NAVAL POWDER FACTORY, HISTORIC DISTRICT
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

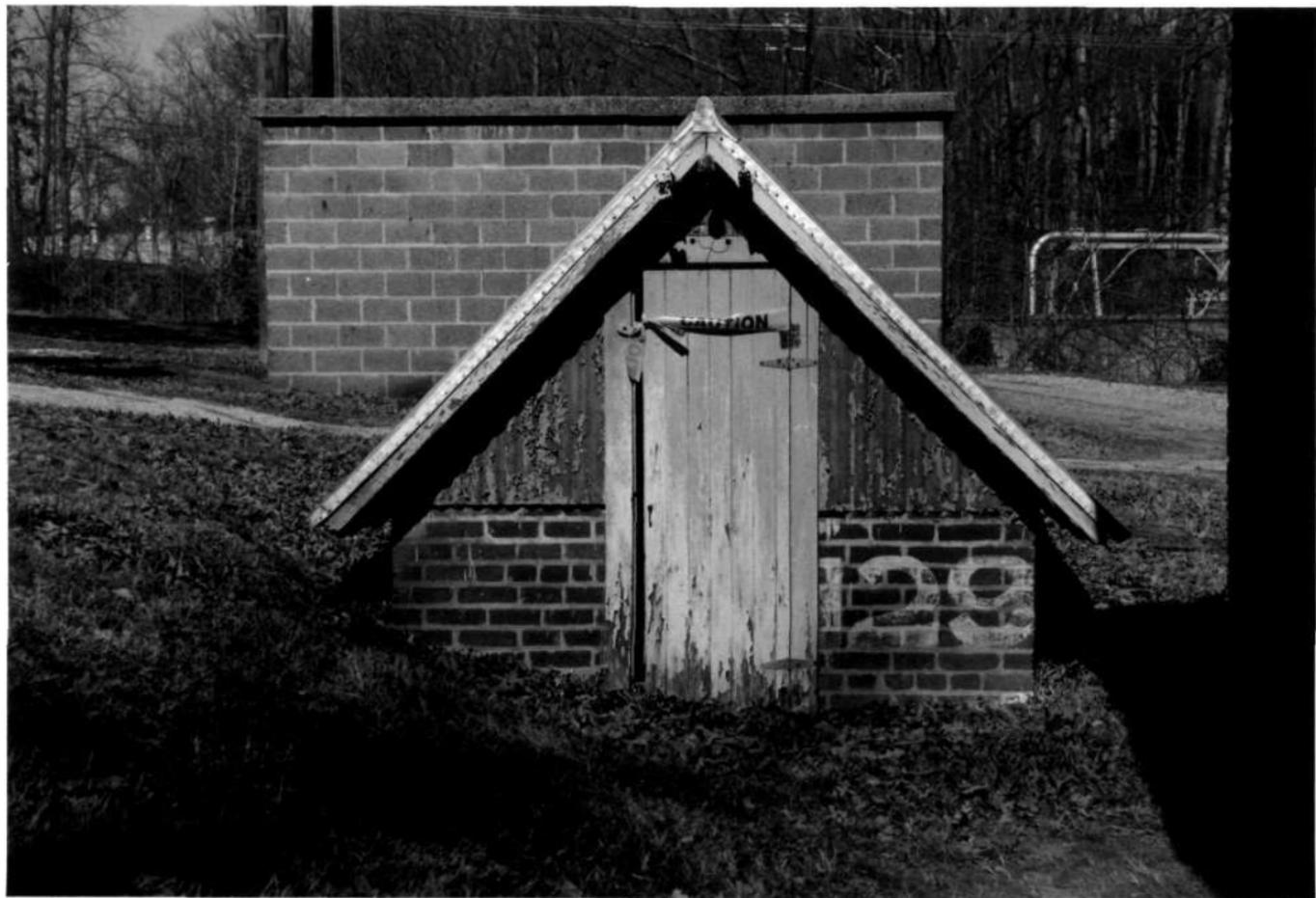
PHOTOGRAPH BY: LISA BIDDLE

MARCH 7, 2006

LOCATION OF NEGATIVES - MDSKFO

SUBJECT: BUILDING 129, EAST FACADE

114-



MIHP #CH-491
Well Water Meter House
BUILDING 129 NAVAL POWDER FACTORY HISTORIC DISTRICT
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT BUILDING 129, WEST FACADE

#2/4



MIHP# CH-491
Well Water Meter House
BUILDING 129, NAVAL POWDER FACTORY HISTORIC DISTRICT
NAVAL SUPPORT FACILITY INDIAN HEAD
CHARLES COUNTY, MARYLAND

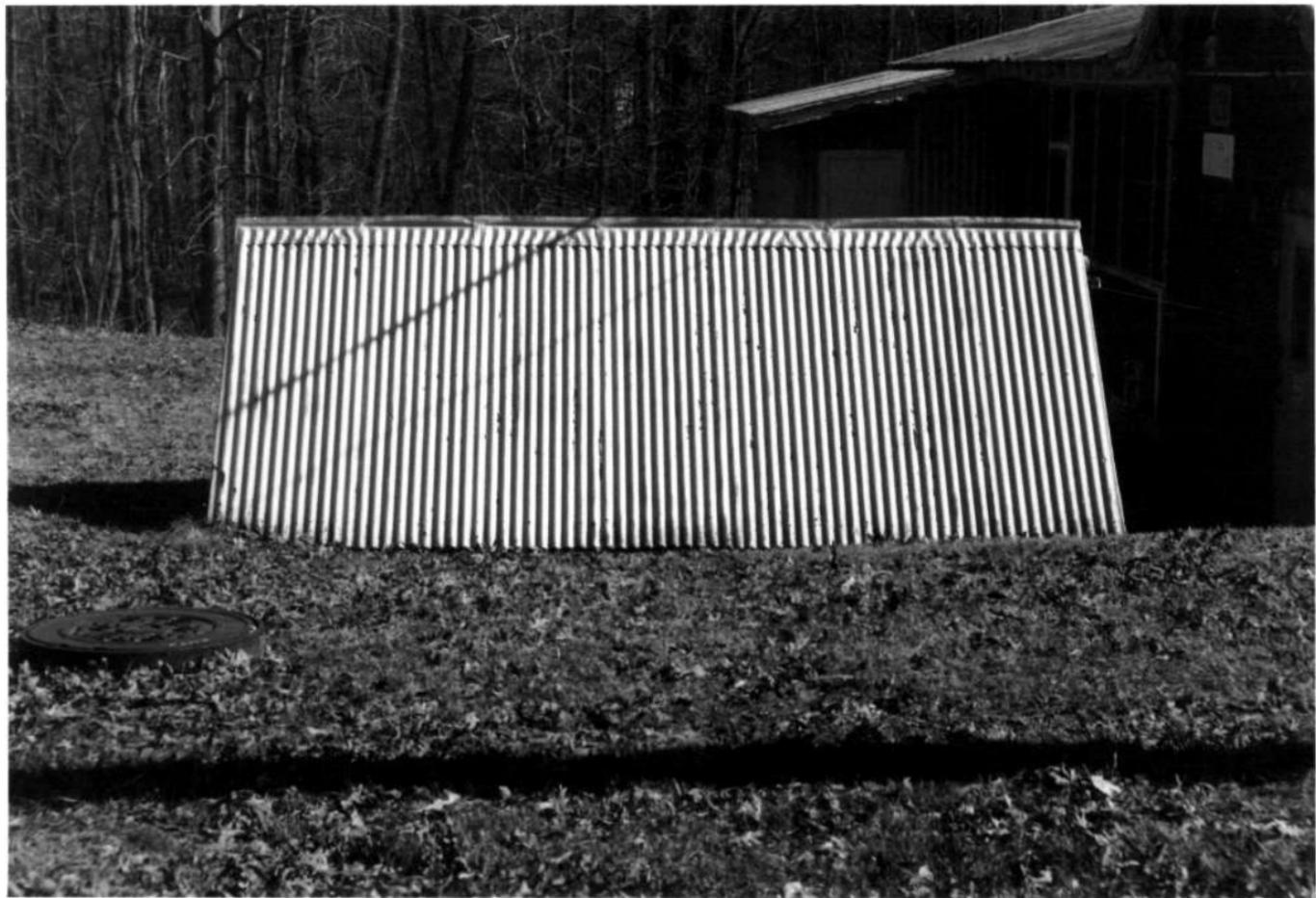
PHOTOGRAPH BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MDSHPO

SUBJECT: BUILDING 129, SOUTH FACADE

3/4



MHPH CH-491
Well Water Meter House

BUILDING 129, NAVAL POWDER FACILITY HISTORIC DISTRICT

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (EPG)

MARCH 7, 2006

NEGATIVES STORED AT NIO SHPO

SUBJECT: BUILDING 129, NORTH FACADE

#4/4



CH-491

Building 129

Charles Co., Md.

B. Cleven

6/2003

Md SHPO

Front elevation, view NE

1 of 1

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 130, Standpipe Inventory Number: Contributing Resource CH-491

Address: Hersey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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

Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: Ch-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold 1994 *Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland.* John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: (Use continuation sheet if necessary and attach map and photo)

The 321,929-gal water standpipe, 20' diameter and 137' tall was built in 1899 and is constructed of 1/2" plate steel and stabilized by guy wires. An open metal staircase spirals up the outside to an observation deck near the top of the tower. A 17' high conical roof tops the structure. The structure was completely repaired in 1964.

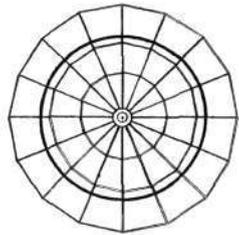
A 1994 architectural survey assessed this property as a contributing element to the Indian Head Naval Powder Factory Historic District and classified it category III (Stevens 1994). Category III properties are minor service structures in a historic district, whose removal would not compromise the significance or character of the entity of which they are part.

The structure dates from the initial period of infrastructure construction and was designed by Hunter Jones (Criterion B). The 137'-tall structure stands on one of the higher points on the base. The standpipe appears much as it did from its time of construction and remains an important landmark on the base (Criterion C). This structure possesses the qualities of significance and integrity for listing in the National Register of Historic Places.

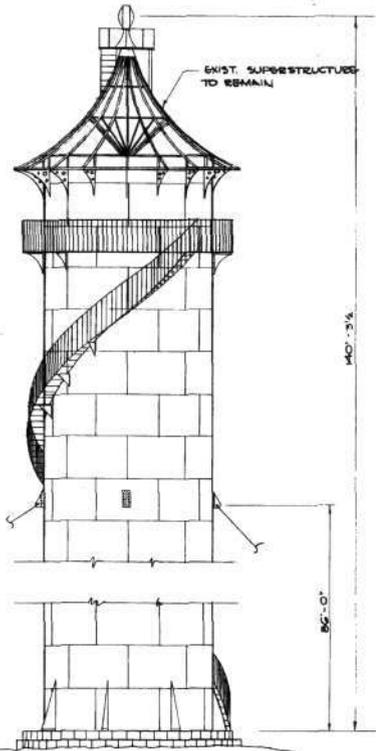
Prepared by: R. Christopher Goodwin & Associates, Inc.

Date Prepared: October 2003

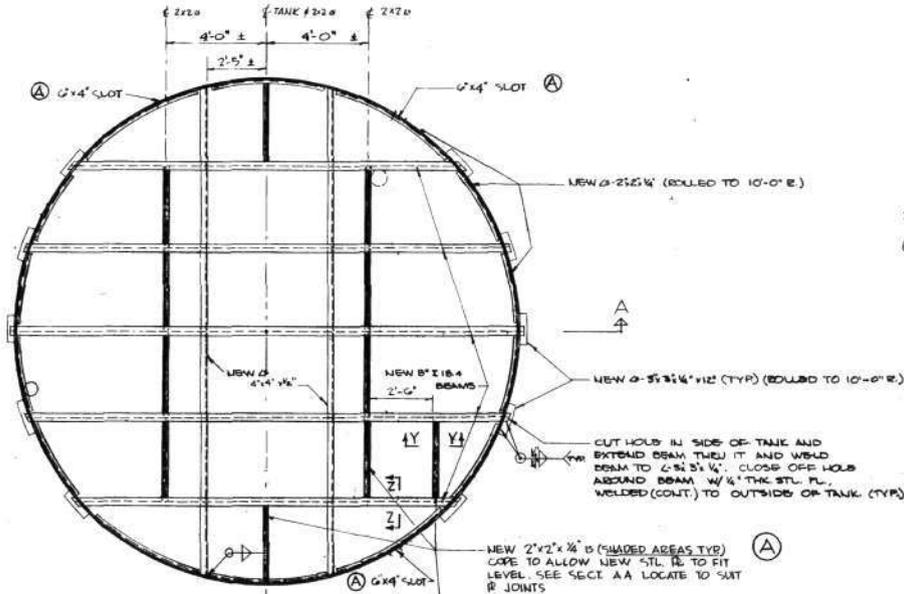
| MARYLAND HISTORICAL TRUST REVIEW | |
|--|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Building still contributes.</u> | |
| <u>Jamie Jean Kelly</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>[Signature]</u> Reviewer, NR program | <u>3/2/04</u> Date |



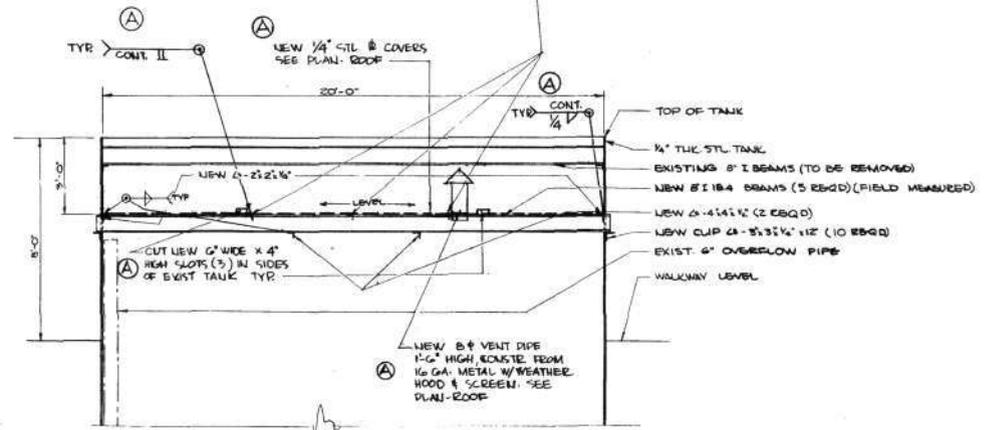
EXISTING ROOFING PLAN
SCALE: 1"=6'-0"



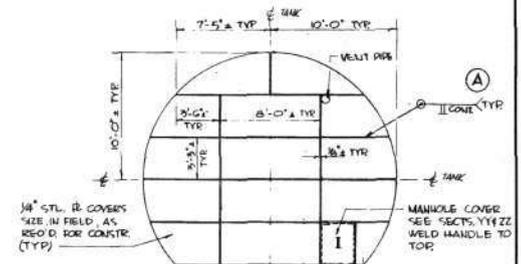
EXISTING ELEVATION
SCALE: 1"=6'-0"



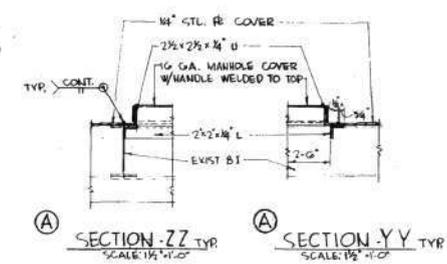
NEW ROOFING PLAN
SCALE: 1/2"=1'-0"



SECTION A-A
SCALE: 1/4"=1'-0"



PLAN - ROOF
SCALE: 1/4"=1'-0"



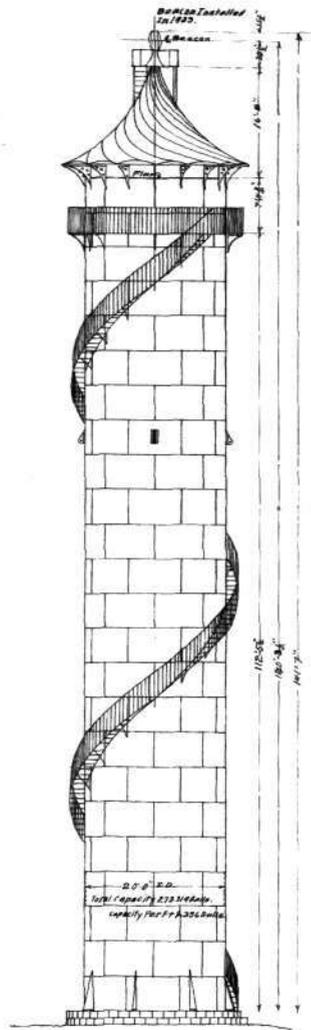
SECTION ZZ TYR SCALE: 1/4"=1'-0"
SECTION YY TYR SCALE: 1/2"=1'-0"

NOTES

- 1) APPLY MIN. 2-PNL COATS OF AL. PAINT TO ALL NEW STEEL - BOTH INSIDE & OUTSIDE OF TANK (BEFORE INSTALLATION AND AFTER ERECTION PAINT ALL DAMAGED SURFACES)
- 2) ALL WELDS TO BE CONT. AND WATER-TIGHT
- 3) SIZE ROOF & AS REQUIRED FOR CONSTRUCTION

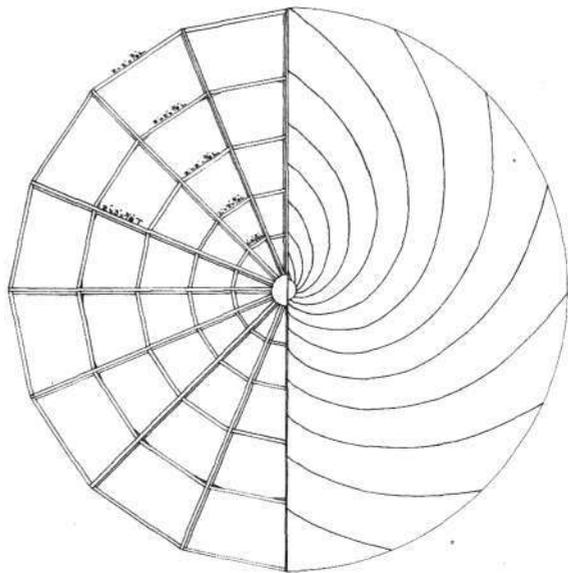
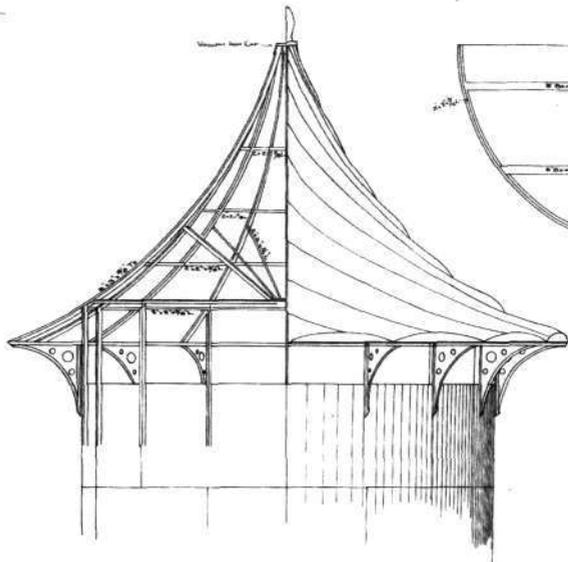
| ADDED STEEL ROOF | | DATE | APPROVAL |
|---------------------------------|-------------|--------------------------------|----------|
| SYMBOL | DESCRIPTION | DATE | APPROVAL |
| REVISIONS | | | |
| DEPARTMENT OF THE NAVY | | BUREAU OF YARDS & DOCKS | |
| U.S. NAVAL PROPELLANT PLANT | | INDIAN HEAD, MD. | |
| ROOFING MODIFICATIONS | | | |
| BLDG 130 | | | |
| STEEL STAND PIPE | | | |
| STRUCTURAL | | | |
| DRAWN BY: <i>[Signature]</i> | | CHECKED BY: <i>[Signature]</i> | |
| DESIGNED BY: <i>[Signature]</i> | | IN CHARGE: <i>[Signature]</i> | |
| DATE: <i>[Date]</i> | | APPROVED: <i>[Signature]</i> | |
| DATE: <i>[Date]</i> | | DATE: <i>[Date]</i> | |
| SCALE AS SHOWN | | SCALE: 1"=6'-0" | |
| DRAWING NO. 1021026 | | | |

CH-491

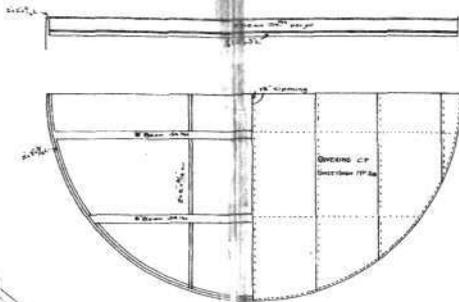


TOWER NO 29

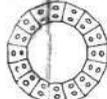
Scale 1/4" = 1'



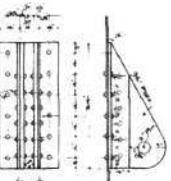
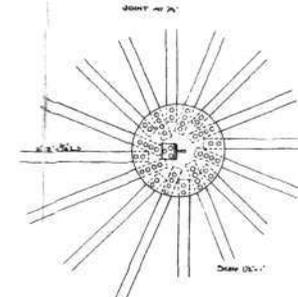
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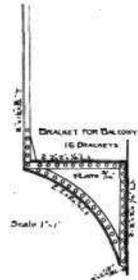
Windward View



Scale 1/4" = 1'



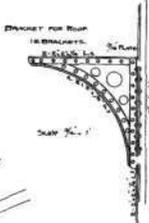
Scale 1/4" = 1'
4 Sections for Boys - as sheet



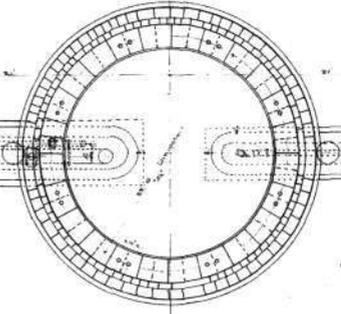
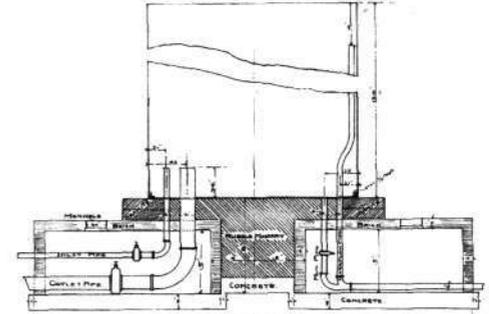
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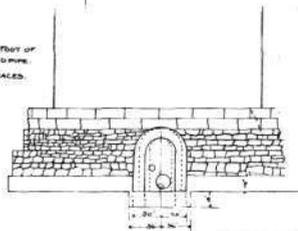
Scale 1/4" = 1'



Scale 1/4" = 1'



Scale 1/4" = 1'



Scale 1/4" = 1'

CAP WITH PLATE FOR LOWER BEARING OF BOB



Scale 1/4" = 1'



Scale 1/4" = 1'

| CONTRACTORS | |
|-------------|-----|
| Wm. H. ... | ... |
| ... | ... |
| ... | ... |

ANPE 1171
PLUMBER 1177
LUMBER 1177
Q. 5

STEEL STAND PIPE.
FOR
INDIAN HEAD MD.

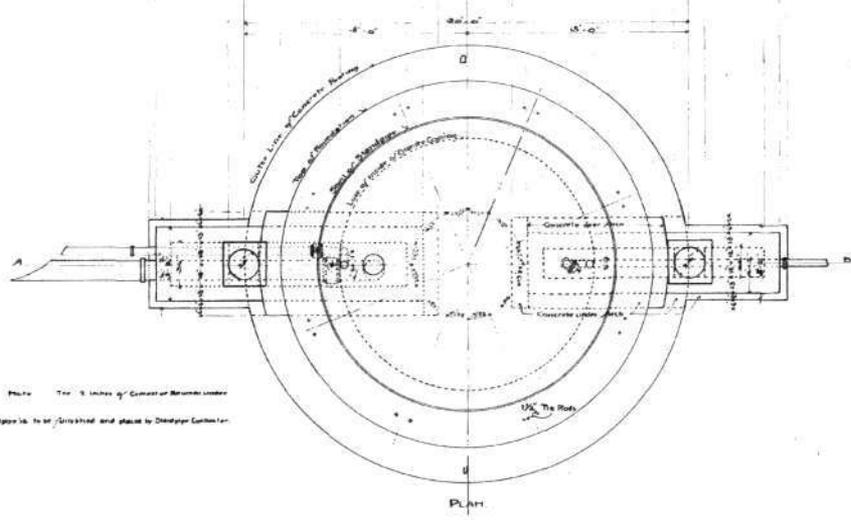
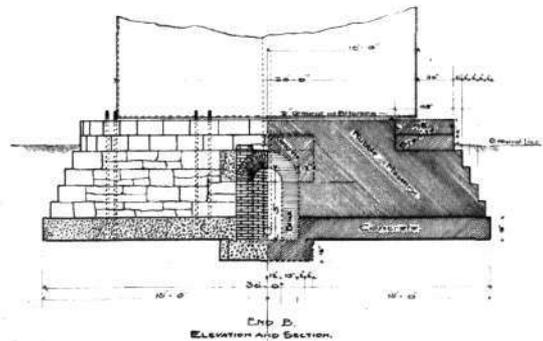
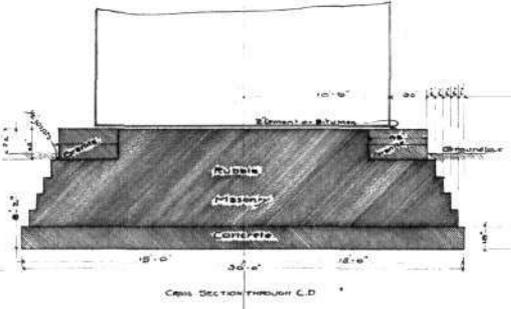
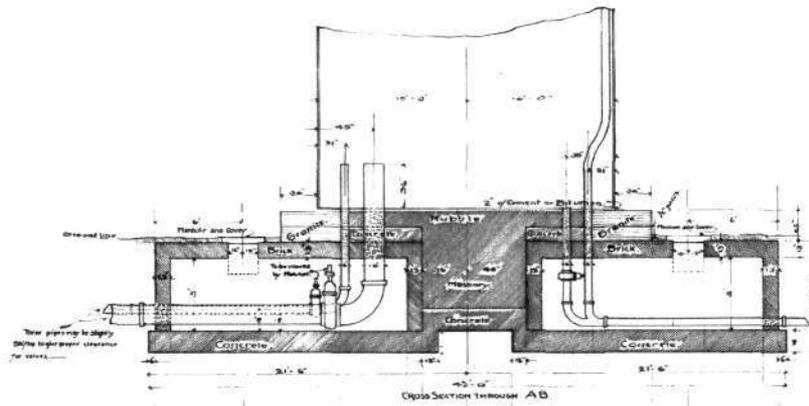
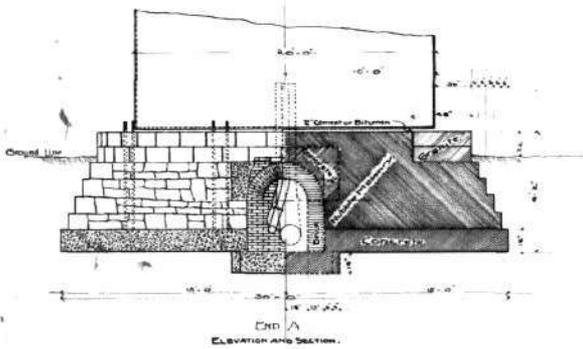
U.S. NAVAL OILY FACTORY
WASHINGTON D.C.
DEPT. OF NAVY

Approved U.S. Government
Drawing No. 1171
CHECKED: T. H. ...

BLDG. No. 130

DWG. No. 1171

CH-491



Note: For 3 inches of Concrete Brackets
 Dimensions to be finished and placed by Designer/Contractor.

N.P.F. # 1172
 Number 1172
 Location 700 9.5

DRAWER NO. 79

STEEL STAND PIPE 130
 INDIAN HEAD, MD.
 FOUNDATION PLAN.
 U.S. NAVAL OIL FACTORY,
 Washington, D.C.
 May 17, 1950
 Commander U.S.N. Superintendent
 Estimated 21.00
 Checked 21.00
 O.L.P.S.

1172

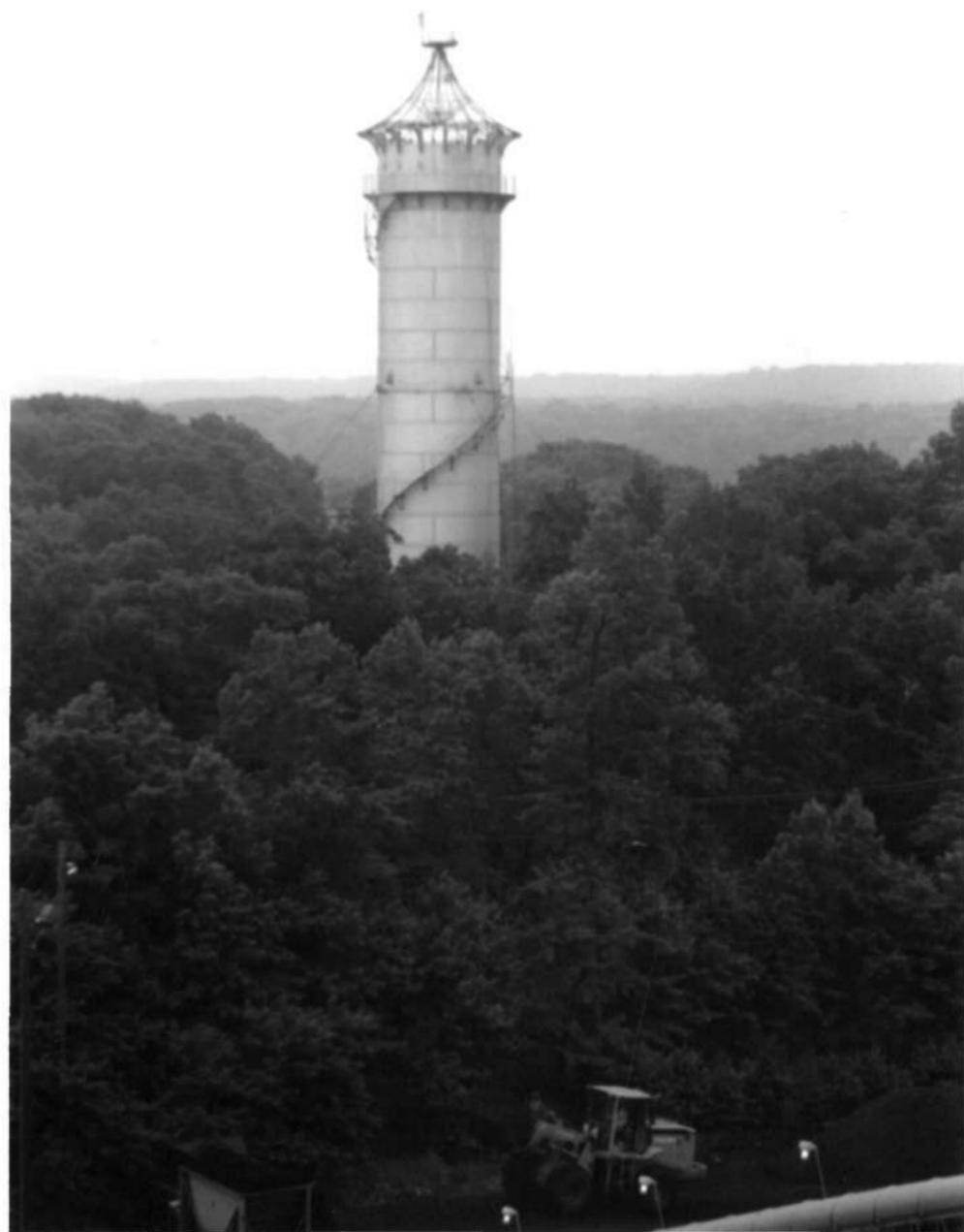
GH-491

CH-491

Locational Map

Bldg. 130
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





CH-491

Building 130

Charles Co., Md.

B. Cleven

6/2003

Md SHPO

Standpipe, view E

1 of 1



MHP# CH-491

Standpipe

BUILDING 130, NAVAL POWDER FACTORY HISTORIC DISTRICT

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT BUILDING 130

1/2



MHPH CH-491

Standpipe

BUILDING 130, NAVAL POWDER FACTORY HISTORIC DISTRICT

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT BUILDING 130

2/2

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: No. 137, Power House Cooling Pond Inventory Number: Contrib Resource CH-491

Address: Bailey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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

Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold
1994 *Phase I Archeological and Phase II Architectural
Investigations, Naval Surface Warfare Center, Indian Head, Charles
County, Maryland.* John Milner Associates, Inc. Prepared for TAMS
Consultants, Inc.

Description of Property and Eligibility Determination: (Use continuation sheet if necessary and attach map and photo)

The powerhouse cooling pond was built in 1919 and is a 182' by 103' concrete lined reservoir varying in depth from 3'6" to 7'6". A series of pipes cool heated water from the air compressors by spraying the water into the air above the pond.

A 1994 architectural survey assessed this property as a non-contributing element to the Indian Head Naval Powder Factory Historic District and classified it category IV (Stevens 1994). Category IV properties do not possess historic importance.

The pond bears no direct association with important themes and events embodied by the Naval Powder Factory (Criterion A). Physically, the structure does not possess distinctive individual characteristics representative of a type, period, or method of construction (Criterion C). This structure does not possess the qualities of significance or integrity for listing in the National Register of Historic Places.

Prepared by: R. Christopher Goodwin & Associates, Inc.

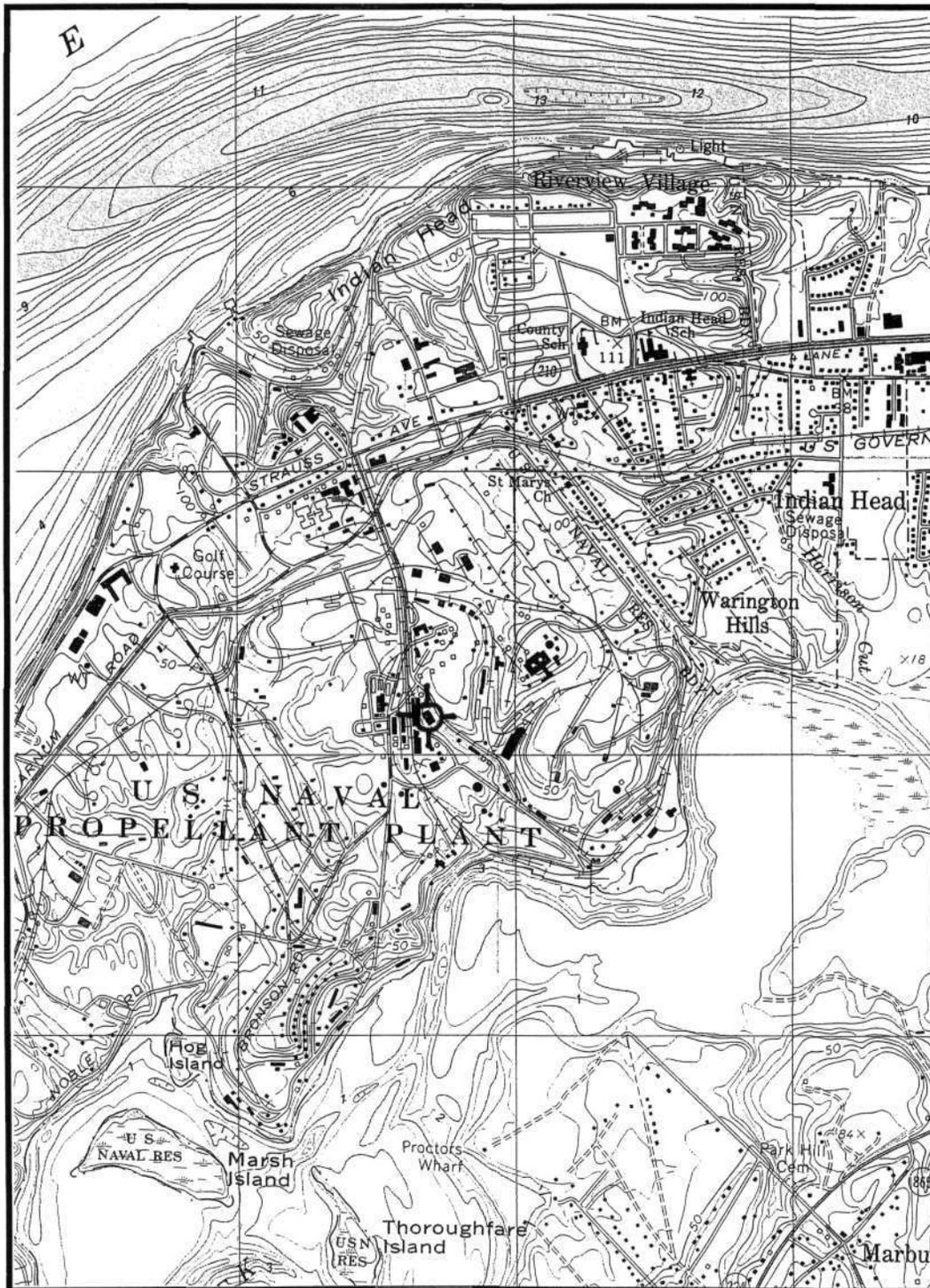
Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|---|--|
| Eligibility recommended _____ | Eligibility not recommended <input checked="" type="checkbox"/> |
| Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Determined ineligible in 1998.</u> | |
| <u>James Jean Kelly</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>3/2/04</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

Bldg. 137
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





CH-491

No. 137

Charles Co. Md

B. Clewen

6/2003

Md SHPO

Overview of pond, view N

1 of 1

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Facility 137, Indian Head Division NSWC Inventory Number: ~~CH-371~~ 491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? ___ yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S.NAVY

Site visit by MHT staff: X no ___ yes Name: _____ Date: _____

Is the property is located within a historic district? ___ yes X no

If the property is within a district District Inventory Number: _____
NR-listed district ___ yes Eligible district ___ yes Name of District: _____
Preparer's Recommendation: Contributing resource ___ yes ___ no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes X no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles County Maryland, R. Christopher Goodwin & Associates, Inc. Frederick, MD 1997.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Facility 137 is rectangular cooling pond constructed of poured concrete walls and earthen berms. The water distribution system is composed of eight primary pipes that are connected to the main water line. Each pipe contains four sprinklers. The structure is part of the power house complex.

Facility 137 was constructed in 1919 as a cooling pond and continues to serve this function. The pond contains few changes to the original structure and possesses integrity of design and materials. New construction in the vicinity of the cooling pond has affected integrity of setting.

Facility 137 was constructed in 1919 as a cooling pond for the powerhouse at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the Navy and an important supplier of smokeless powder during World Wars I and II. Facility 137 was a utility support structure and was not individually important for its association with the Powder Factory base line. Archival research did not indicate that the building is associated with important persons at Indian Head. Facility 137 is a simple concrete pool with a small network of water distribution pipes and sprinklers. Individually, the structure does not represent a significant type or method of construction nor was it associated with important engineering activities that occurred at Indian Head. The structure does not represent the work

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Reviewer, Office of Preservation Services _____ Date _____
J. Rodney Little _____ July 17, 1998
Reviewer, NR Program _____ Date _____

NR-ELIGIBILITY REVIEW FORM

Inventory Number: ~~CH-371~~ CH-491

Facility 137, Indian Head Division NSWC

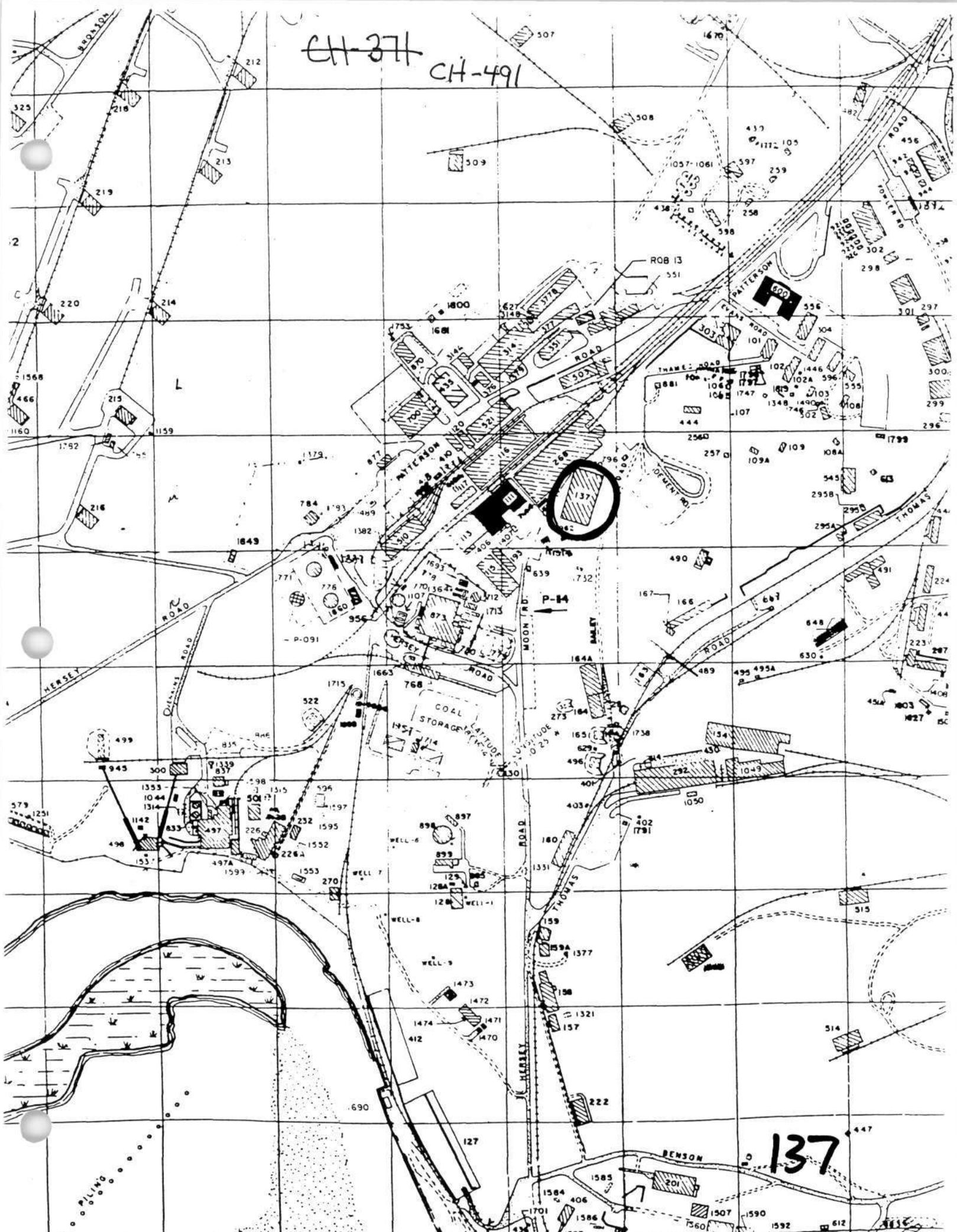
Page 2

of a master or possess high artistic value. Facility 137 is not likely to yield information important in prehistory or history. Facility 137 is not located in an area that contains a concentration of historic buildings with integrity sufficient to be delineated as an historic district.

Prepared by: R. Christopher Goodwin & Associates.

Date Prepared: 05/06/1998

CH-371 CH-491



137



CH-491

Bldg. 137

CHARLES COUNTY, MD

JOHN MILNER, ASSOC
1995

TOP END OF NORTHROAD BLDG

JOHN MILNER, ASSOC.

S VIEW OF POWER HOUSE COOLING POND

62, 7

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 143, Pump House No. 2 Inventory Number: Contrib. Resource CH-491

Address: Benson Road near Mattawoman Creek City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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

Is the property located within a historic district? no yes Name of district: Indian Head Naval Powder Factory Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold 1994 *Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland.* John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Pump house no. 2 was built in 1918 and is a one-story, rectangular brick building terminating in a side gable roof sheathed in standing seam metal. The off-center door is a metal replacement. A large, ca. 1918, gable roof, brick addition is appended to the rear elevation. The addition contains an 82' by 22'6" sump that is 7'6" deep. The windows are three-over-three-light, double-hung, wood-sash units covered by heavy metal plate shutters. Each window opening has a brick segmental arch lintel and a stone slip sill. Five ventilators line the roof ridge. The pumps are used for distribution of well water.

A 1994 architectural survey assessed this property as a contributing element to the Indian Head Naval Powder Factory Historic District and classified it category III (Stevens 1994). Category III properties are minor service structures in a historic district, whose removal would not compromise the significance or character of the entity of which they are part.

The building was built to support the expansion of the Naval Powder Factory in 1918 (Criterion A). Physically, the building is isolated from the facility core, but does appear much as it did from its time of construction (Criterion C). This structure possesses the qualities of significance and integrity for listing in the National Register of Historic Places.

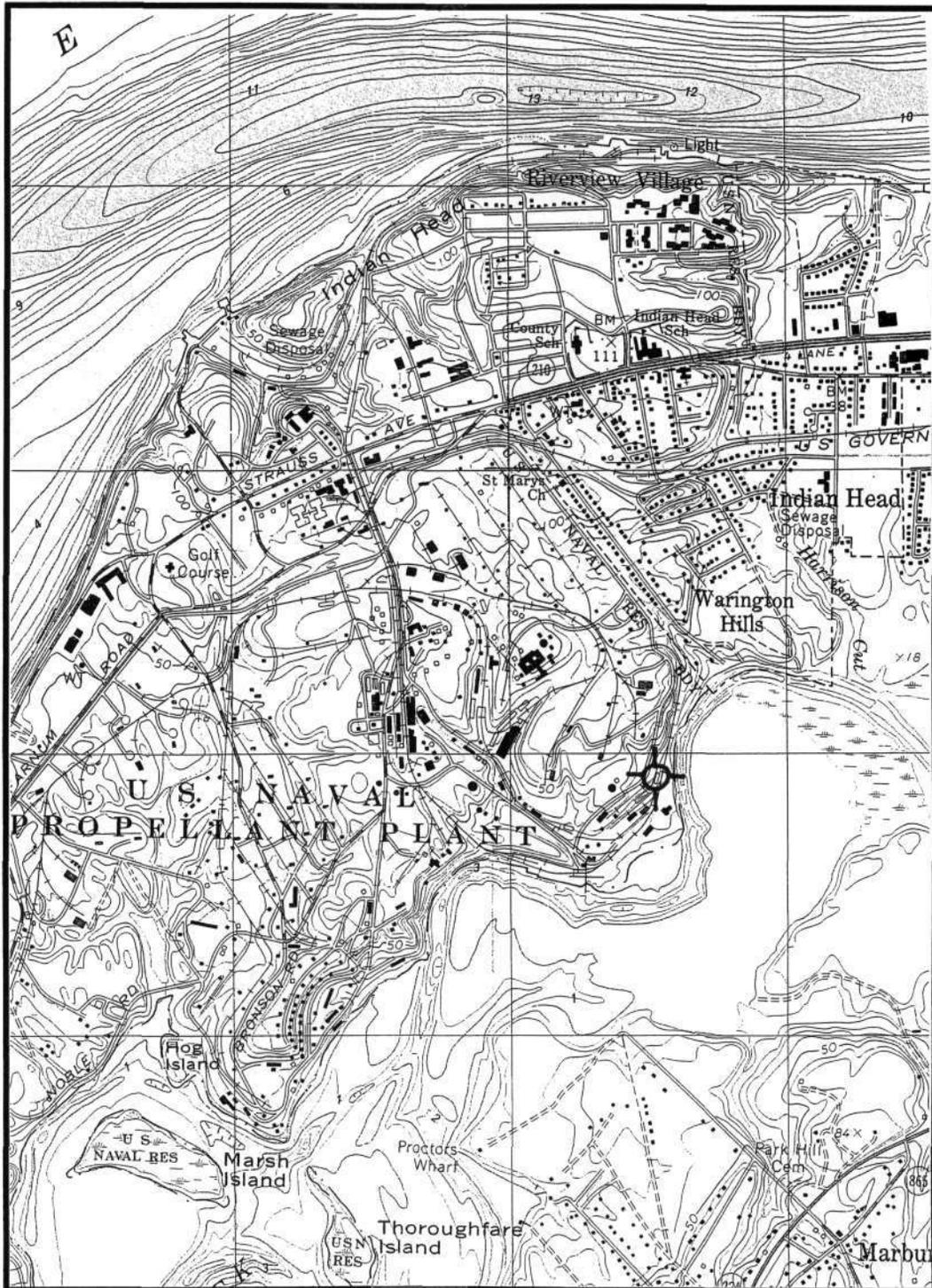
Prepared by: R. Christopher Goodwin & Associates, Inc. Date Prepared: October 2003

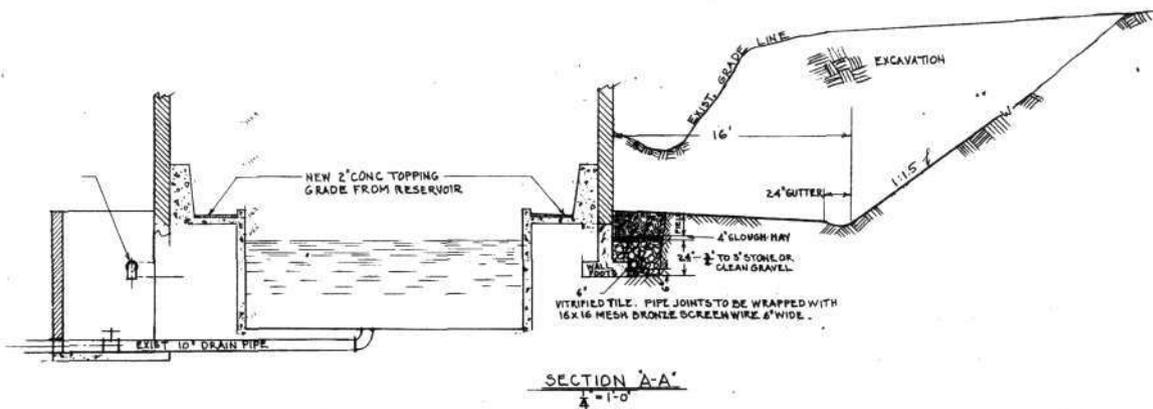
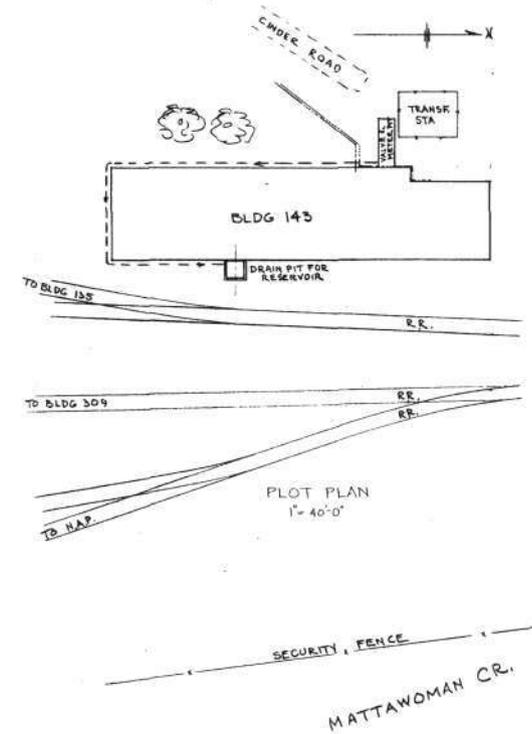
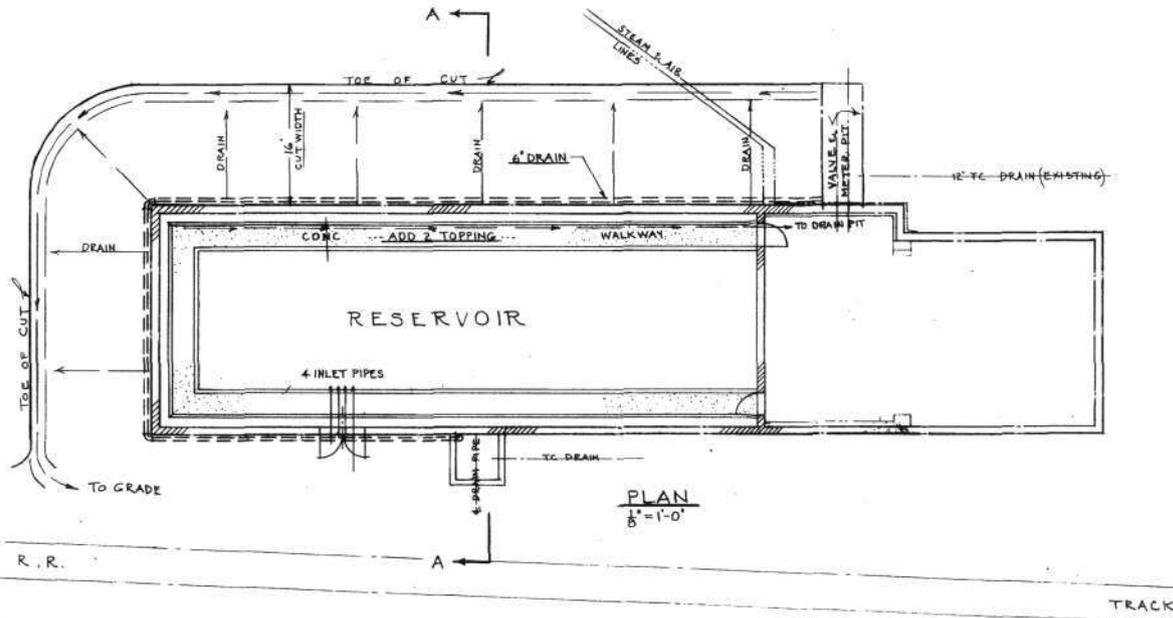
| MARYLAND HISTORICAL TRUST REVIEW | |
|---|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Poor determination of district.</u> | |
| <u>Jane M. Conroy</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>[Signature]</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

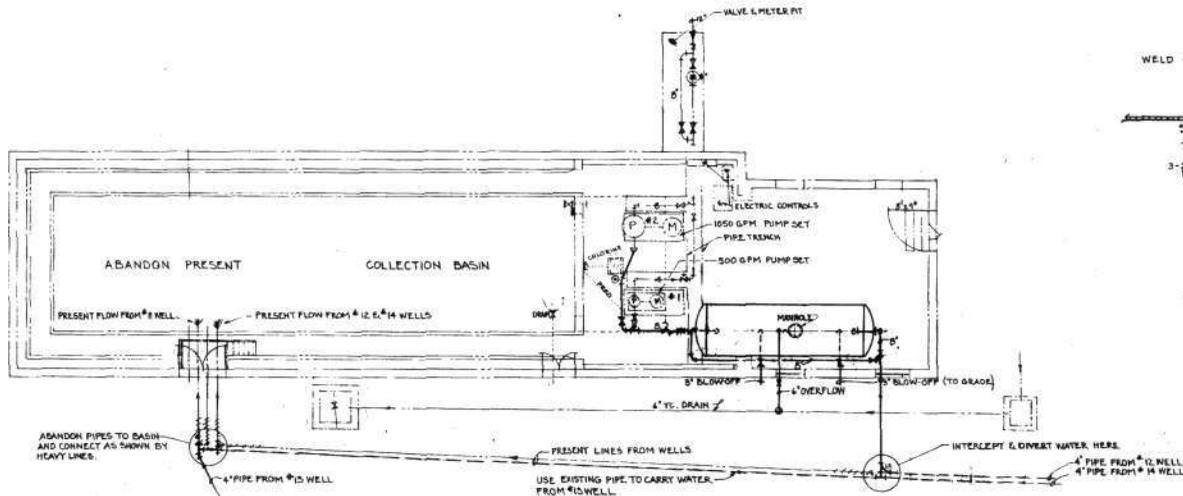
Bldg. 143
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle



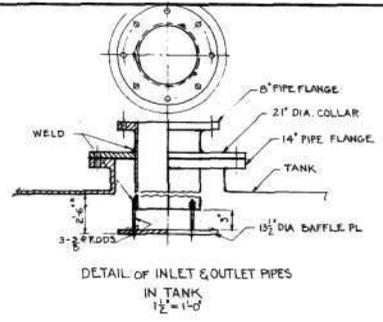


| | | | | |
|-------------------|--|--|-------------|------|
| REVISION | DATE | APPROVED | DESCRIPTION | BY |
| | | | | |
| P. W. DRAWING NO. | | NAVAL POWDER FACTORY INDIAN HEAD, MD. | | |
| DES | PROPOSED DRAINAGE CORRECTION AT PUMP HOUSE #2... BLDG 143 | | | |
| DRAWN | DATE | | | |
| CHECKED | | | | |
| REVISION | | | | |
| BY CHANGED | | | | |
| APPROVED | DATE | | | 1952 |
| SATISFACTORY TO: | | SCALE | | |
| | | SHEET OF | | |
| DATE | | DRAWING NO. | | 1234 |

167-491

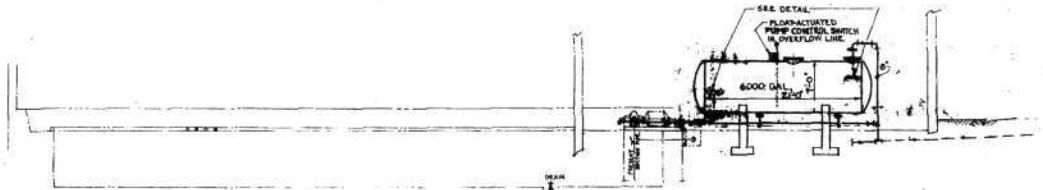


- PLAN -
1/8" = 1'-0"



DETAIL OF INLET & OUTLET PIPES
IN TANK
1 1/2" = 1'-0"

NOTE: PROPOSED NEW WORK SHOWN BY HEAVY LINES.
IN TANK--- AVERAGE WATER RETENTION PERIOD --- 21.5 MIN.

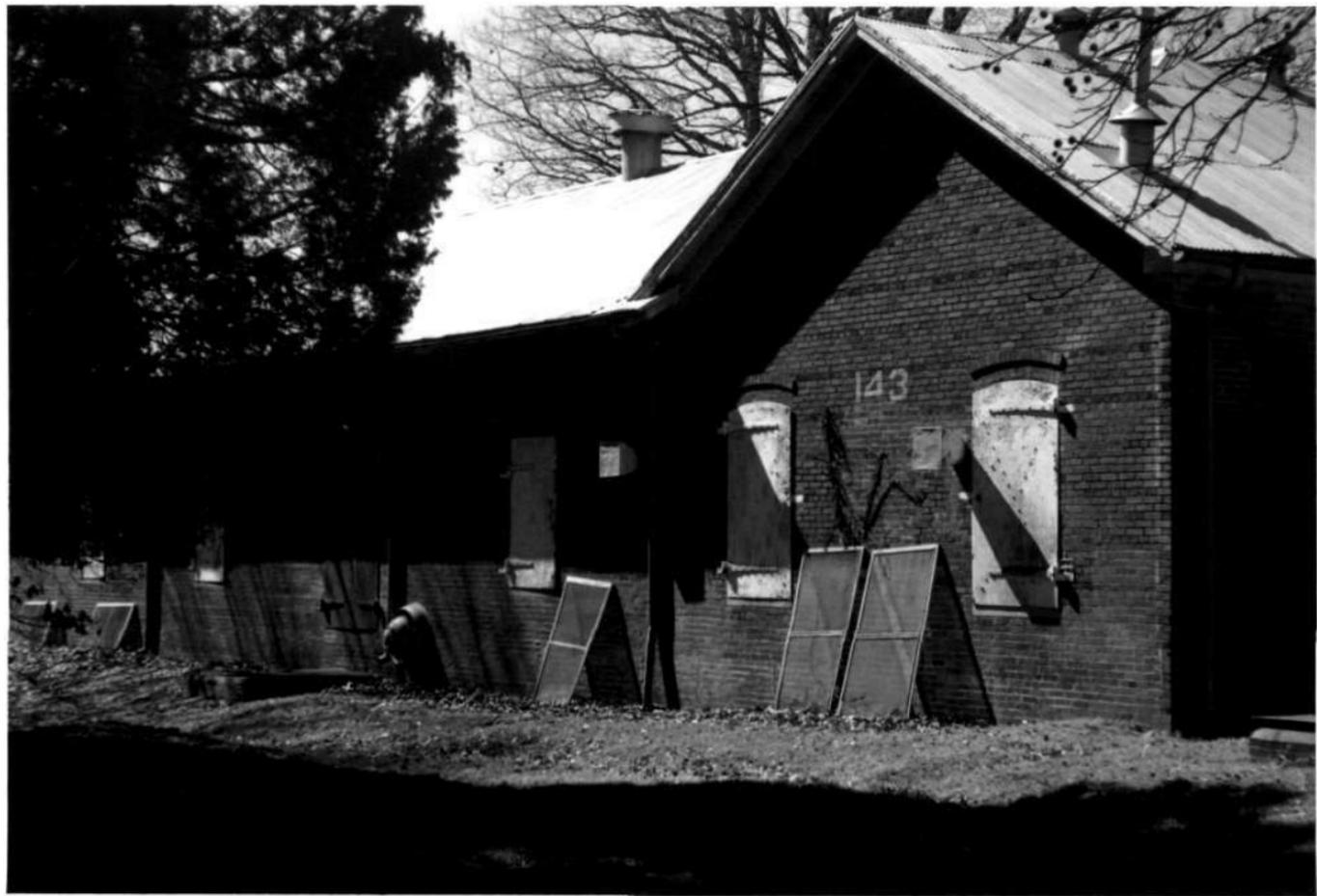


- SECTIONAL ELEVATION -
1/8" = 1'-0"

| | | | | |
|----------------------|---------|-----------------------------|--|----|
| REVISION | DATE | APPD. | DESCRIPTION | BY |
| 1 | 1-25-53 | | ADD 6" DI PASS LINE TO PUMP & DELETE BLOW-DOWN | N. |
| P. W. DRAWING NO. | | DESCRIPTION | | |
| | | NAVAL POWDER FACTORY | | |
| | | INDIAN HEAD, MD. | | |
| DESIGNED BY | | DRAWN BY | | |
| CHECKED BY | | SUPERVISOR BY | | |
| BY CHANGE | | BY CHANGE | | |
| PUBLIC WORKS OFFICER | | APPROVED | | |
| DATE | | DATE | | |
| SATISFACTORY TO: | | COMMISSIONING OFFICER | | |
| DATE | | SCALE AS NOTED | | |
| | | SHEET 1 OF 1 | | |
| | | DRAWING NO. 1239 | | |

EST. NO. 3453

167-10



MHP # CH-49/
Pump House No. 2

BUILDING 143, NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (ERG)

MARCH 7, 2006

NEGATIVES STORED AT M.D. SHPO

SUBJECT: BUILDING 143, SOUTHEAST FACADE

1/6



MHP# CH-491
Pumphouse No. 2

BUILDING 143, NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND.

PHOTOGRAPHER: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MDSHPO

SUBJECT BUILDING 143, SOUTH-WEST FACADE
2/6



MIHP# CH = 491
Pump House No. 2
BUILDING 143, NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT BUILDING 143, NORTH FACE (1)

3/6



MHP#CH-491
Pumphouse No. 2

BUILDING 143, NAVAL POWDER/ACADRY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MDSHPO

SUBJECT: BUILDING 143, WEST FACADE

4/6



MHP # CH-491
Pumphouse No. 2

BUILDING 143, NAVAL POWDER FACTORY HISTORIC

DISTRICT, NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

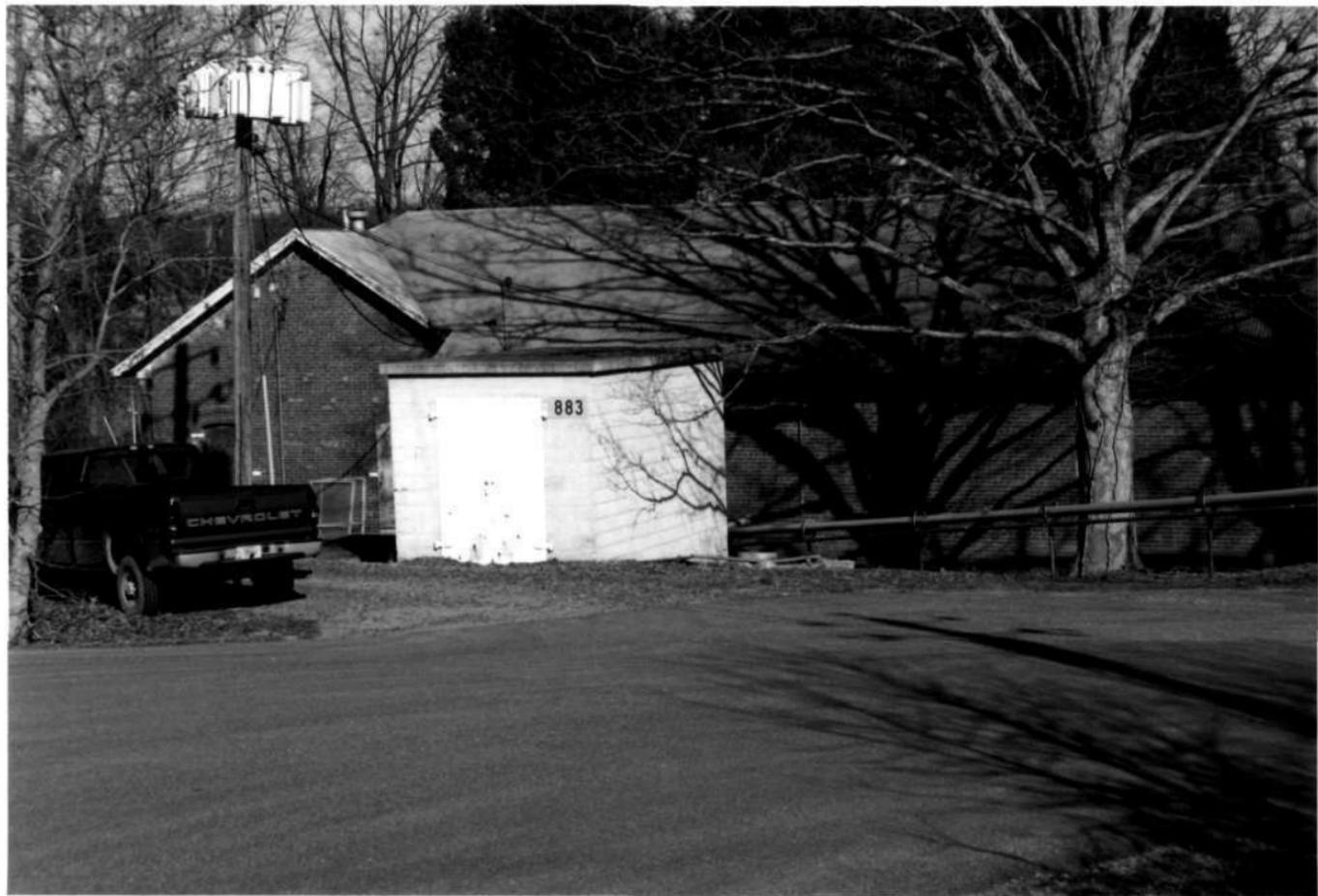
PHOTOGRAPHER: LISA BIDDLE (ERG)

MARCH 7, 2006

NEGATIVES STORED AT MD SHPO

SUBJECT BUILDING 143, EAST FACADE

5/6



MHP # CH-491
Pumphouse No. 2

BUILDING 143 NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPHER: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT: BUILDING 143, NORTH FACADE (2)

6/6



CH-491

Bldg 143

Charles Co Md

B. Clever

6/2003

Md SHPO

Left & Front elev., view SW

lot 1

CH-491
Building 144, Indian Head NSWC
Naval Powder Factory Historic District
Indian Head, Charles Co., Md.



144

STORAGE

MIHP# CH-491

Building 144, Naval Powder Factory Historic District, NAVAL
Support Facility Ind. Av. Head

Charles County MARYLAND

Photographer: LISA BIDDIE (ERG)

Apr. 12th, 2006

Location of negatives: ML SHPO

Subject: Building 144, North Facade

#1/4



M... 243 = C. 100

Building - Naval Powder Magazine Historic District - NAVA

Support - ... - INDIAN Field

Care of County MARYLAND

Photographer: ... A Biddle (ERG)

April 27, 2006

Location of negatives: M, SHPO

Subject: Building ... East Façade

#2/4



M 15 2410 C-101

Building 12 - Naval Powder Factory Historic District, NAVAL
Supply Station - Indian Head

Charles County, MARYLAND

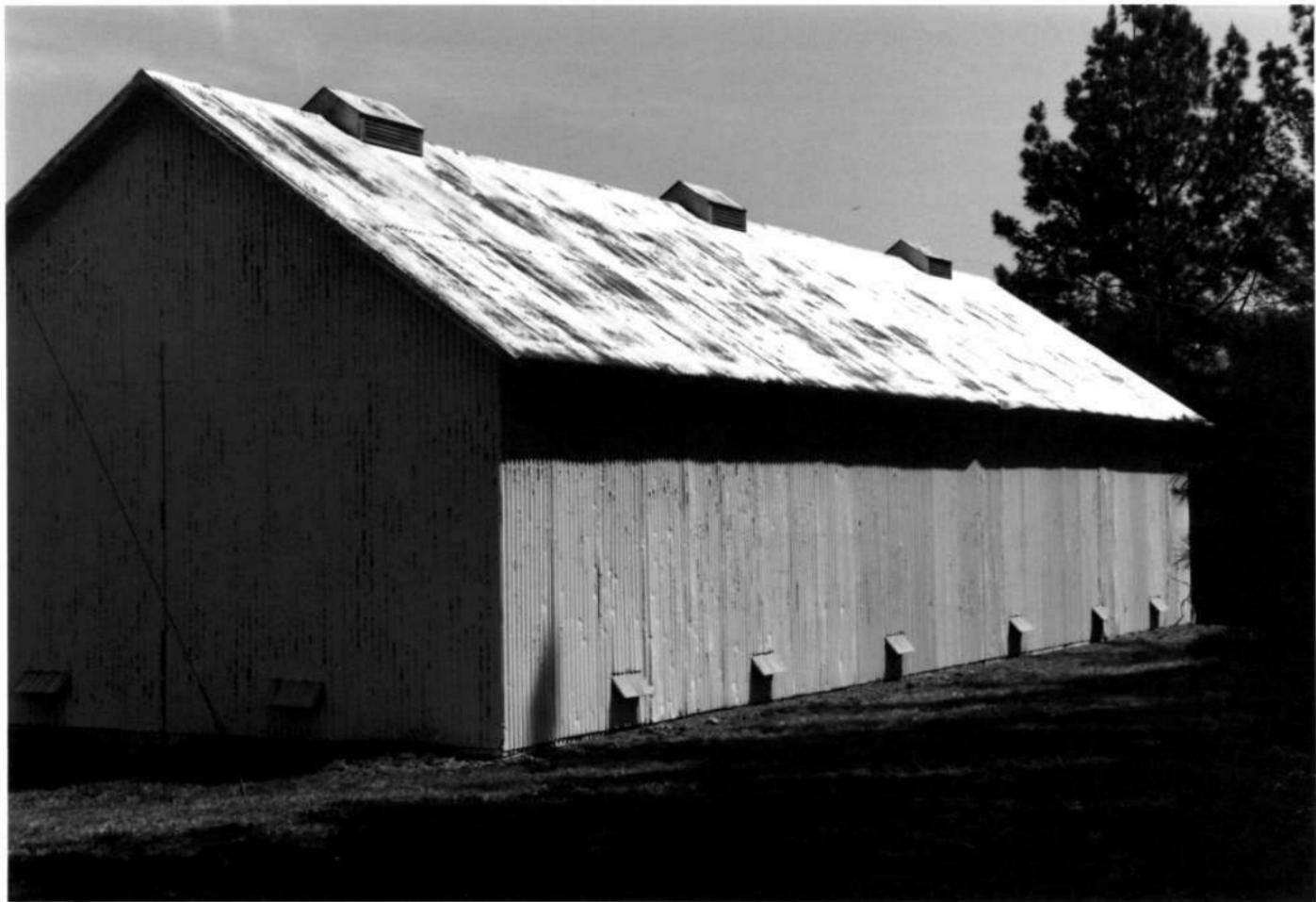
Photographer: WISA Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 12, East Façade

#2/4



M: 2/4

Building #4, NAVAL Powder Factory Historic District, NAVAL
Support Facility - INDIAN HEAD

Charles County, MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

LOCATION OF NEGATIVES: M1 SHPO

Subject: Building #4, South Façade

2/4



144

STORAGE

M:HD# CH 49

Building 144, Naval Powder Factory Historic District, NAVAL
Support Facility INDIAN HEAD

Charles Lounis, MARY ANNE

Photographer: Lisa Biddie (ERG)

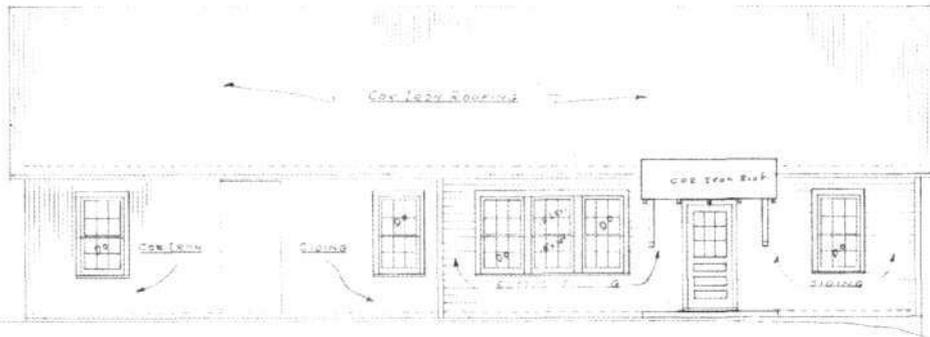
April 29, 2006

Location of negatives: M3 ST70

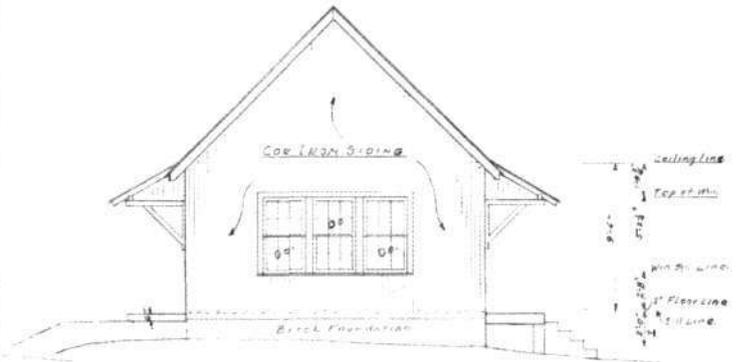
Subject: Building 144, West Facade.

4/4

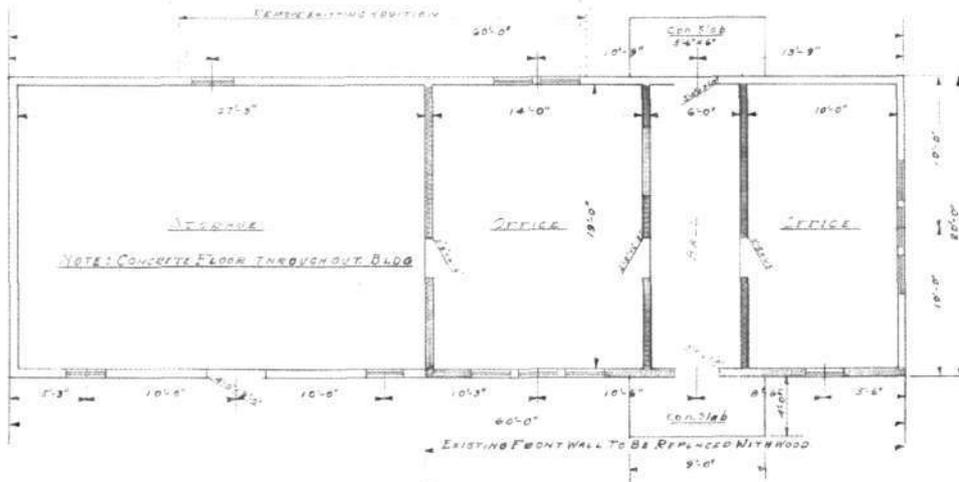
CH-491
Building 145, Indian Head NSWC
Naval Powder Factory Historic District
Indian Head, Charles Co., Md.



INDIAN HEAD ELEVATION
SCALE 1/4" = 1'-0"



INDIAN HEAD ELEVATION



FLOOR PLAN
SCALE 1/4" = 1'-0"

| NAVAL POWDER FACTORY | | |
|----------------------|--------------|----------|
| INDIAN HEAD, MD. | | |
| FUNCTION | INITIAL | DATE |
| DRAWN | W.S.T. | 2/20/44 |
| TRACED | | |
| CHECKED | | |
| DESIGNED | | |
| EXAMINED | | |
| BY | | |
| FOR | | |
| APPROVED | | |
| BY | | |
| FOR | | |
| SCALE | 1/4" = 1'-0" | NO. 5129 |

Fig. 22-14

CH-491



145

MHP# CH-491

Building 145 Naval Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

LOCATION of NEGATIVES: MD SHPO

Subject: Building 145, Southwest Facade (2)

1/6



145

MHP# CH-491

Building 145, Naval Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 145, Southwest Facade (1)

2/6



145

Cartridge
Engineering

MHP# CH-491

Building 145, NAVAL Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 145, Northwest Facade

3/6



MHP# CH-491

Building 145, Naval Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 145, Southeast Facade

#4/63



MHP# 04-491

Building 145, Naval Powder Factory Historic District
NAVAL Support Facility
INDIAN HEAD

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MDSHPO

Subject: Building 145, Northeast
(2)

#5/68



CAD—
RING TECHNOLOGY
CODE 5112

A black and white photograph showing the exterior of a building. On the left, a sign is mounted on a wall with horizontal siding. The sign contains the text 'CAD—', 'RING TECHNOLOGY', and 'CODE 5112'. Below the sign is a brick foundation. To the right, a ramp or walkway with a metal railing leads up to a platform. The building has a roof with a gutter system. In the background, there are trees and a large, weathered structure, possibly a train car or industrial tank.

MHP# CH-491

Building 145, Naval Powder Factory Historic
District
NAVAL Support Facility
INDIAN HEAD

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

LOCATION OF NEGATIVES: MD SHPO

Subject: Building 145, Northeast
Facade (1)

6/68

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no

Property Name: Building 158 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 158 is the ruins of the reworking plant which was gutted by fire. The ruins of the two-story, twelve-bay, rectangular, brick structure consists of six separate portions separated by a party wall. All the window and door openings as well as roff were destroyed by the fire. The structure is a gutted shell.

Building 158 was constructed in 1900 as a reworking plant at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. The building was gutted by fire and is currently in a state of disrepair. Building 158 no longer possesses sufficient integrity of design, setting materials, feeling, and association to convey its significance with the Naval Powder Factory..

Prepared by: R. Christopher Goodwin & Assoc., Inc Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended

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

MHT Comments

Documentation reviewed by LL Bowlin

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

Bldg 158

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

S ELEVATION OF STORAGE BUILDING

TOT 83 83 111111111111 019

11E1111

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 159A Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

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

Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 159A is a one-story, two-bay, rectangular, corrugated-metal structure raised on a concrete block foundation. The building is surmounted by a gable roof sheathed in corrugated metal. The building features six-over-six-light, double-hung wood-sash windows and nine-light, fixed wood-sash windows. The west elevation exhibits a centrally-located metal, double-door accessed by a loading dock.

Building 159A was constructed in 1944 as an annex to the Pellet House Building 159. The building is currently used for inert storage. Building 159A exhibits few modifications and possesses integrity of design, materials and setting.

Building 159A was constructed in 1944 as an annex to building 159 at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 159A facilitated the testing of mechanical equipment during World War II and was not directly related to powder production. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

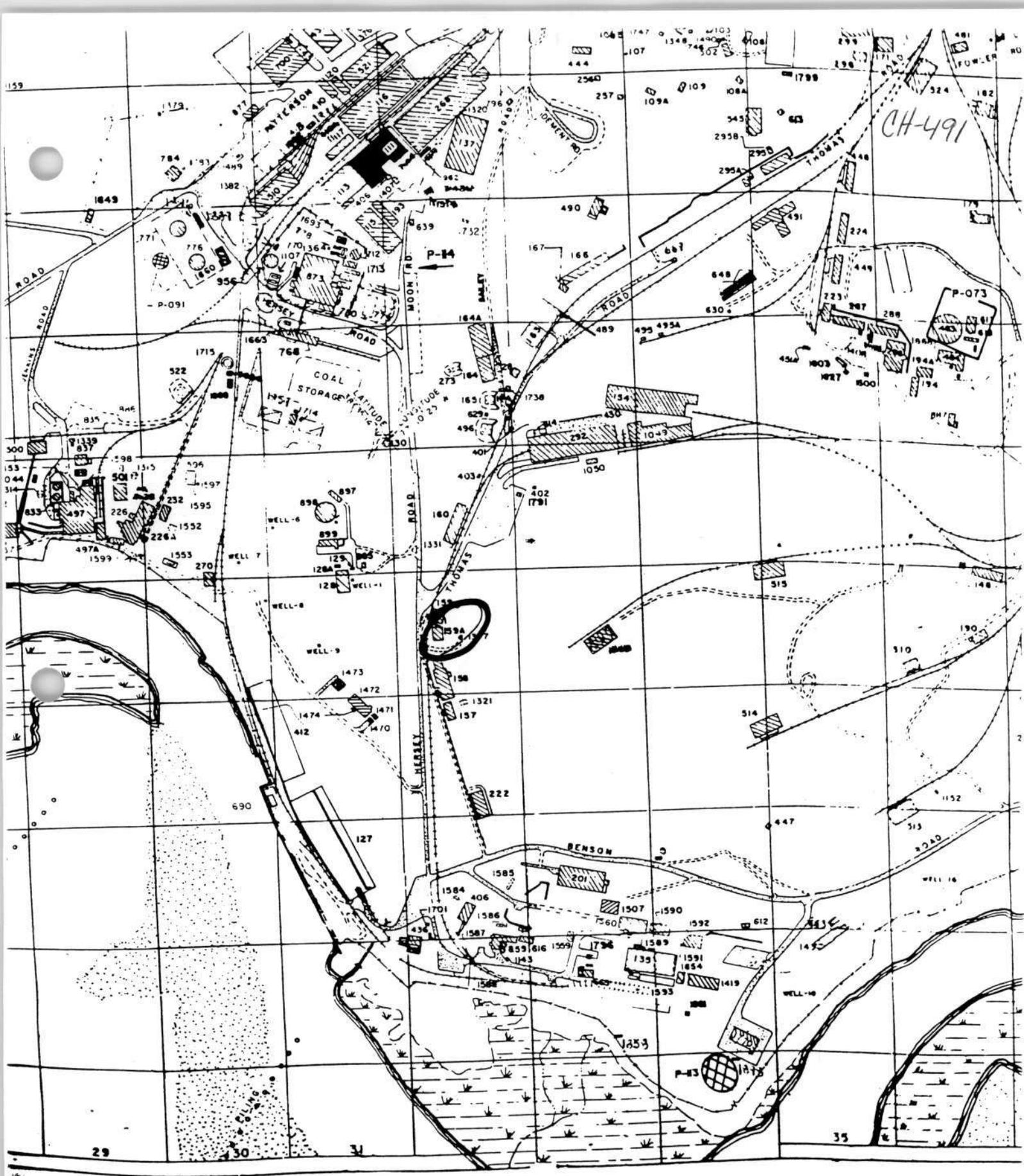
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

159A



CH-491

Bldg 159A

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

SW ELEVATION OF STORAGE BUILDING - INERT

TCF 83.02 11111111111111111111

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 163 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? ___ yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

Site visit by MHT staff: X no ___ yes Name: _____ Date: _____

Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

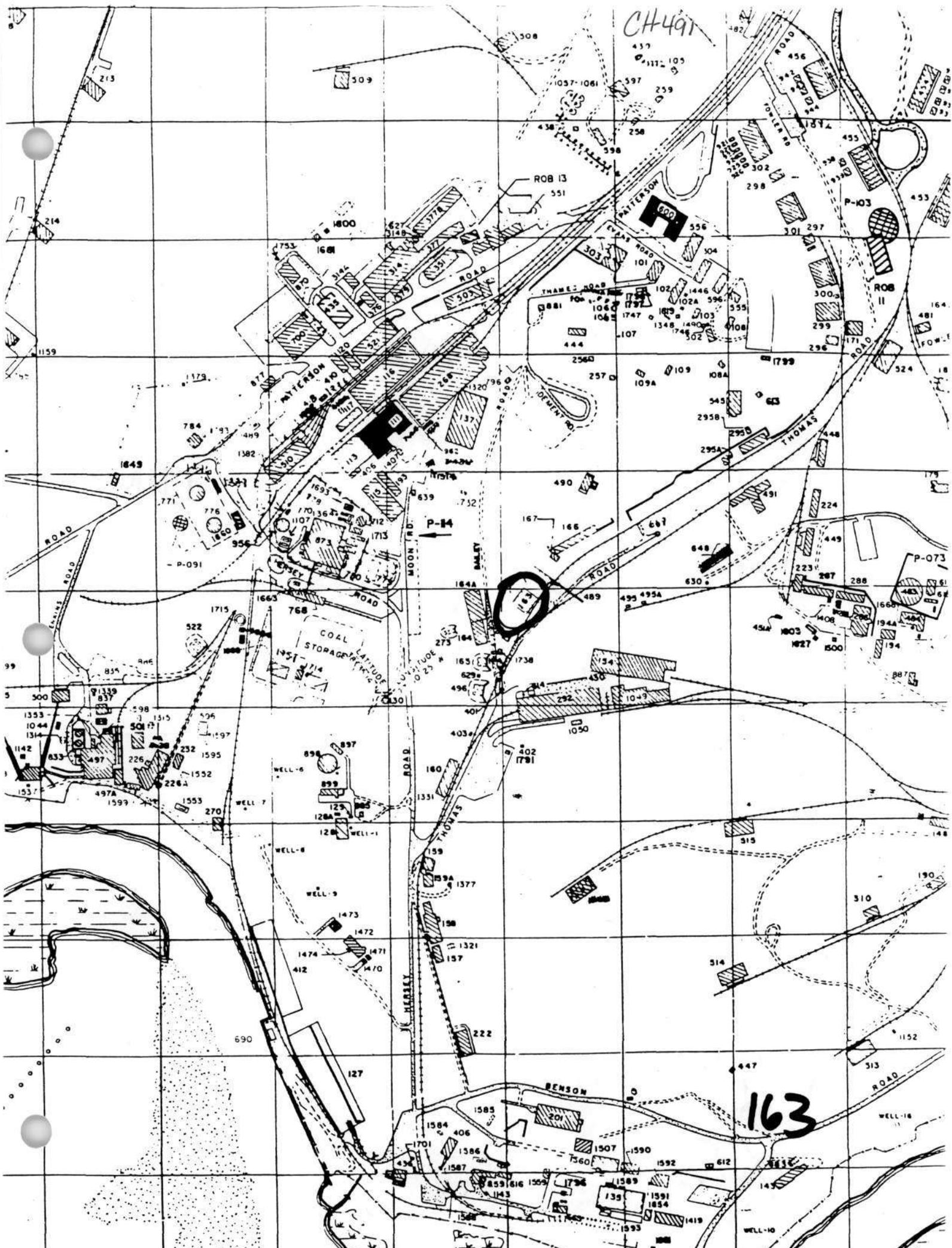
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 163 is the ruins of a former dehydrating house which was destroyed by fire ca.1975. The north wing of the existing structure contains the poured concrete foundation ruins of the building. The south wing of the building features a one-story, two-bay, rectangular, corrugated transite structure built on the foundation of the original dehydrating house. The structure terminates in a parallel gable roof sheathed in corrugated metal. The east elevation of the south wing exhibits two overhead wood sliding track doors. Building 163 is composed of the ruins of a former building and new construction. The original building is demolished and no longer possesses integrity of design, materials, feeling, or association.

Building 163 was constructed in 1919 as a dehydrating house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 163 contains the foundation ruins of a former dehydrating house. No other original portions of the building remain. Building 163 no longer possesses sufficient integrity of design, setting, materials, feeling, and association to convey its significance with the Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW
Eligibility recommended ___ Eligibility not recommended X
Criteria: ___ A ___ B ___ C ___ D Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None
MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services _____ Date _____
J. Rodney Little _____ July 17, 1998
Reviewer, NR Program _____ Date _____



CH491

163

ROB I3

551

303

101

102

102A

596

555

103

1348

1490

502

444

107

2560

257

109A

109

108A

545

2958

295A

295B

490

167

166

667

489

495

495A

630

648

630

154

450

1049

102

1781

403

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159A

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MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 171 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 171 is a two-story, rectangular, brick building composed of three additions. All the windows have been in-filled with glass block. A metal fire escape provides access to the upper floor. The building terminates in a cross-gable roof with monitor clad with modern standing seam metal panels.

Building 171 was constructed as a change house and has recently been renovated for use as offices. All windows have been replaced with brick and glass block in-fill. Doors have been in-filled or replaced with metal fire doors. The roof has been sheathed with standing seam metal. Modifications have removed primary character defining features of this building and it no longer appears as a change house. Building 171 no longer possesses integrity of design, materials, feeling, and association.

Building 171 was constructed in 1909 as a change house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 171 was a personnel support structure that was not important for its association with the Powder Factory base line. Building 171 no longer possesses sufficient integrity of design, materials, feeling, and association to convey its significance with the Naval Powder Factory.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services _____ Date _____
J. Rodney Little _____ July 17, 1998
Reviewer, NR Program _____ Date _____

Building 171 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998



CH-491
BLD6 171

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SE ELEVATION OF WEAPONS ENGINEERING OFFICE BUILDING

100-03-01-MMM-02RU-031

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 182 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

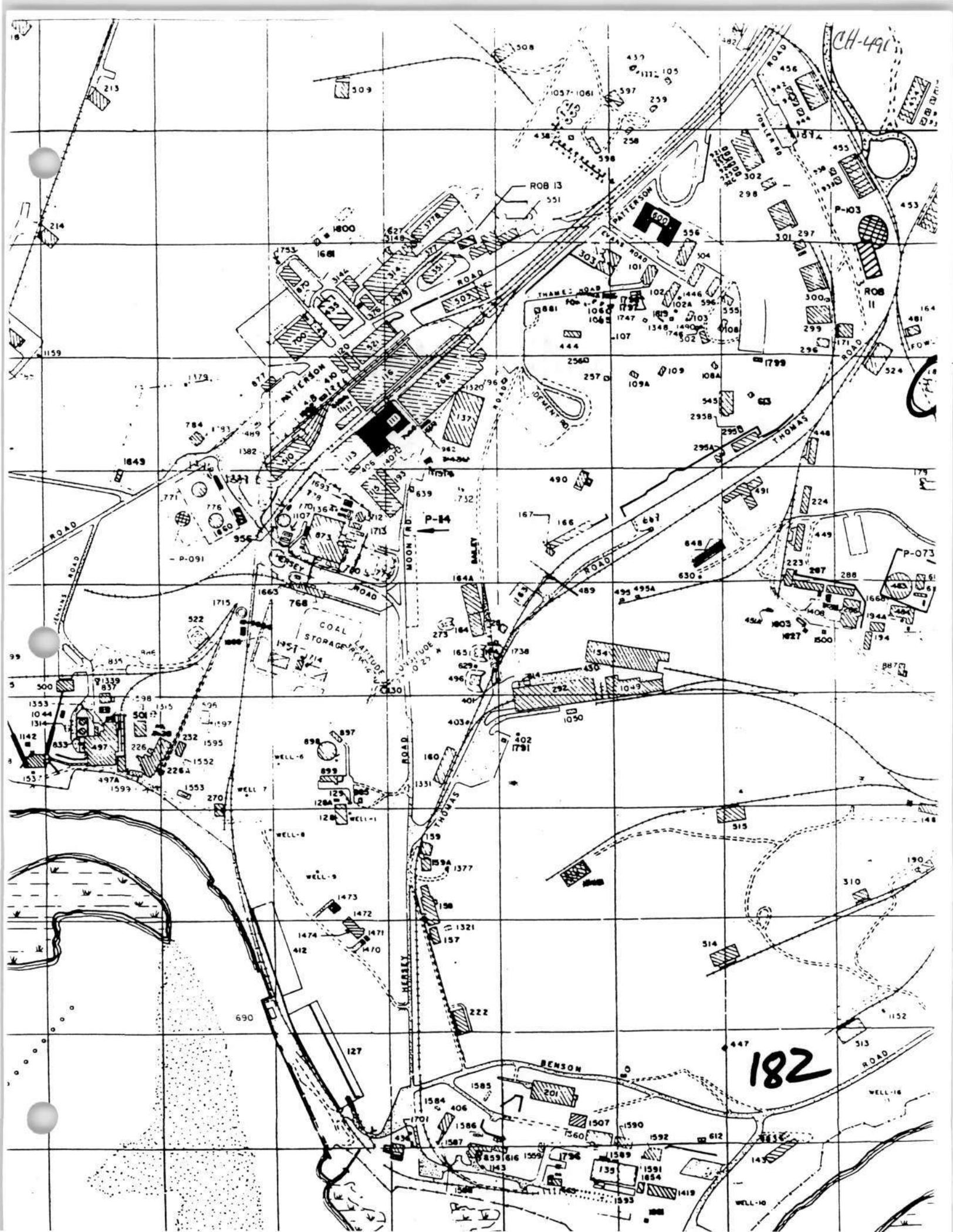
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 182 is a two-story, three-bay, rectangular, wood-frame, corrugated-metal structure that rests on a brick pier foundation. The building is surmounted by a gable roof sheathed in standing seam metal. The east gable end elevation exhibits a pair of single wood doors accessed by a loading dock adjoining a railroad siding. A one-story shed roof addition was appended to the south elevation of the building. The building is severely deteriorated.

Building 182 was constructed in 1910 as a powder dry house and is currently used for inert storage. Building 182 is the most severely deteriorated of six almost identical dry houses of which five are in good condition and possess excellent integrity. Building 182 has received an addition to its south elevation.

Building 182 was constructed in 1910 as one of six dry houses at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



CH-491

182



CH-491

Bldg 182

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SE ELEVATION OF POWDER DRYHOUSE No.

TCP 03 03 111111 01AU 018

IVE, 2

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes X
no

Property Name: Building 194A Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

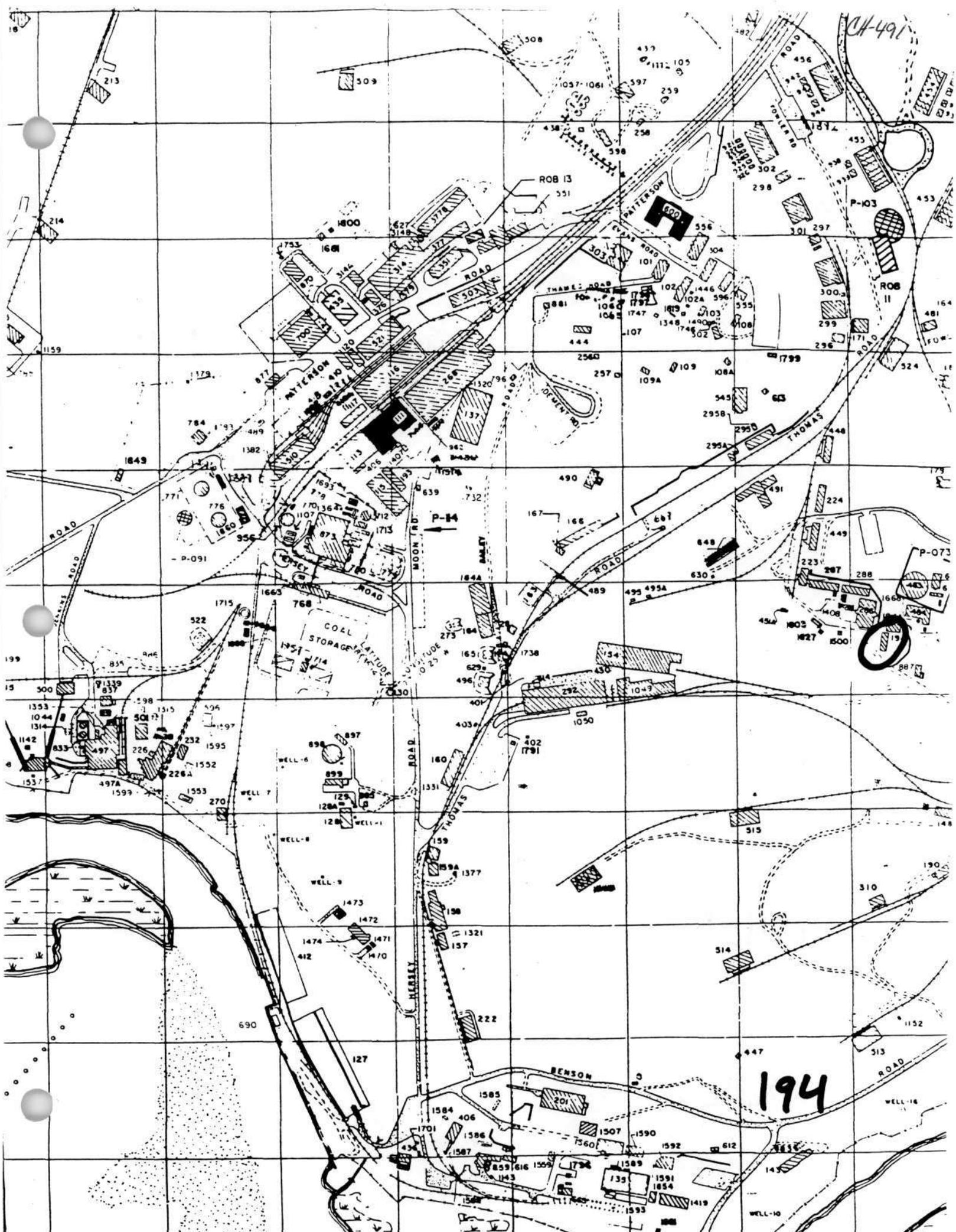
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 194A is a one-story, rectangular, four-by-eight bay, wood-frame building clad with corrugated transite siding. The building is raised on a concrete slab. The structure terminates in a gable roof sheathed in corrugated transite panels. The building is accessed by two single-light, metal doors located on the east elevation. A small shed roof porch, supported by five metal posts covers a portion of the east elevation. The building features six-light center pivot wood-sash windows; some windows have been in-filled with plywood.

Building 194A was constructed in 1945 and currently is used for offices. Building 194A exhibits few modifications and possesses integrity of design and materials.

Building 194A was constructed in 1945 at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> X | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



CH-491

194

Map labels and annotations include:
- PATTERSON (multiple locations)
- ROB 13
- ROB II
- COAL STORAGE
- WELL-6, WELL-7, WELL-8, WELL-9, WELL-10
- HERSEY ROAD, MOON TRAIL, THOMAS ROAD, BENSON
- P-091, P-084, P-103, P-073
- Numerous numerical identifiers (e.g., 1715, 1665, 768, 1715, 1553, 270, 1473, 1472, 1474, 412, 1470, 127, 1584, 406, 1701, 1586, 1587, 1585, 1588, 1589, 1590, 1592, 612, 1591, 1854, 1419, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000)



CH-491

BLDG 194A

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

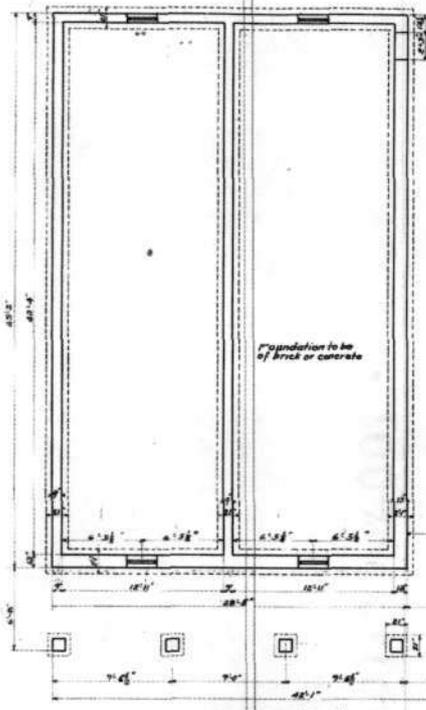
1995

JOHN MILNER, ASSOC.

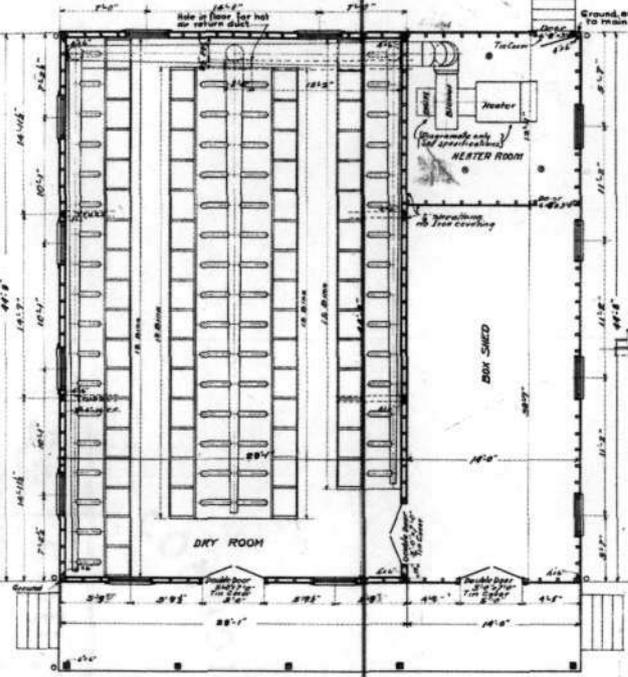
SE ELEVATION OF CAD/PAD OPERATIONS / LUNCHROOM BLDG.

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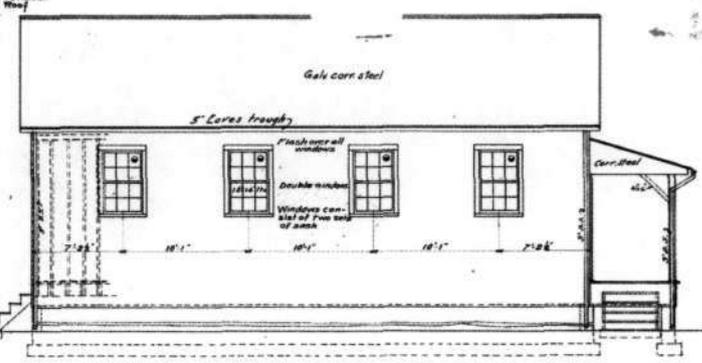
CH-491
Building 210, Indian Head NSWC
Naval Powder Factory Historic District
Indian Head, Charles Co., Md.



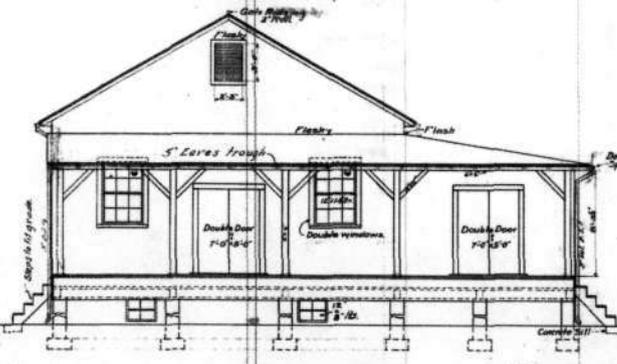
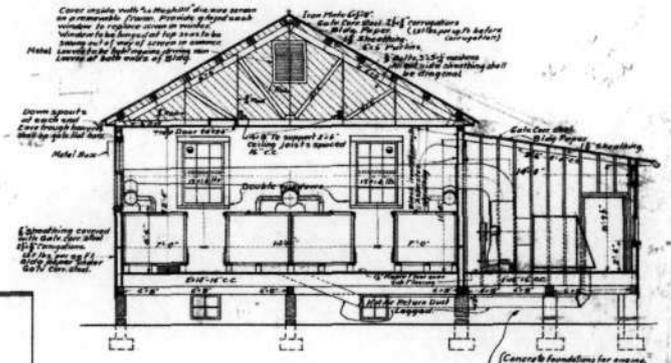
FOUNDATION PLAN



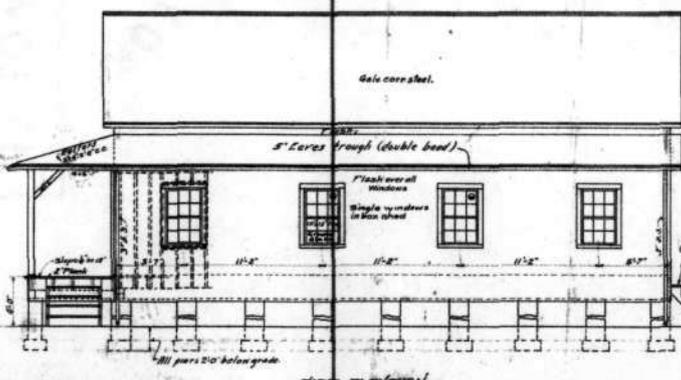
FRAMING PLAN



SIDE ELEVATION



FRONT ELEVATION



SIDE ELEVATION

Note: Buildings shall be erected as indicated on FLOT PLAN with BIN SHED and HEATER ROOM on left hand side of the FRONT ELEVATION the reverse of arrangement shown on FRAMING PLAN.

COVER INSIDE WITH "MESH" 1/2" DIA. WIRE SCREEN OR PERMISSIBLE (FROM PROVIDER) PLASTIC WATER PROOFING TO BE APPLIED TO THE INSIDE OF THE WALLS AND CEILING OF ALL ROOMS. (See specifications for details.)

COVER INSIDE WITH "MESH" 1/2" DIA. WIRE SCREEN OR PERMISSIBLE (FROM PROVIDER) PLASTIC WATER PROOFING TO BE APPLIED TO THE INSIDE OF THE WALLS AND CEILING OF ALL ROOMS. (See specifications for details.)

COVER INSIDE WITH "MESH" 1/2" DIA. WIRE SCREEN OR PERMISSIBLE (FROM PROVIDER) PLASTIC WATER PROOFING TO BE APPLIED TO THE INSIDE OF THE WALLS AND CEILING OF ALL ROOMS. (See specifications for details.)

| REVISIONS | | LOCATION | DATE |
|-----------|-------------|----------|------|
| NO. | DESCRIPTION | | |
| | | | |
| | | | |
| | | | |

NAVAL PROVING GROUND AND SMOKELESS POWDER FACTORY INDIAN HEAD MD.

POWDER DRY HOUSES SMALL BIN TYPE GENERAL PLAN Scale 1/4" = 1'-0"

LOCATION: 28 DRAWING NO: 5044 805E

Checked by: [Signature] Approved: [Signature]

68046

GH-491



MHP#CH-491

Building 210, NAVAL Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 210, South Facade

18/68



MHP# CH-491

Building, 210, NAVAL Powder Factory Historic District
NAVAL Support Facility Indian Head
Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 210, West Facade

12/6



MIHP# CH-491

Building 210 , NAVAL Powder Factory ~~Historic~~ District
NAVAL SUPPORT Facility Indian Head

CHARLES COUNTY . MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of Negative: MD SHPD

Subject: Building 210, North Facade

13/68



MHP# CH-491

Building 210, NAVAL Powder Factory
Historic District
NAVAL Support Facility
INDIAN HEAD

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MDSHPO

Subject: Building 210, EAST
FACADE (3)

14/68



MIHP # CH-491

Building 210, NAVAL Powder Factory
Historic District
NAVAL Support Facility Indian
Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERA)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 210, EAST
Facade (1)

15/68



MIHP# 04-491

Building 210, NAVAL Powder Factory District
Historic
NAVAL Support Facility Indian
Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

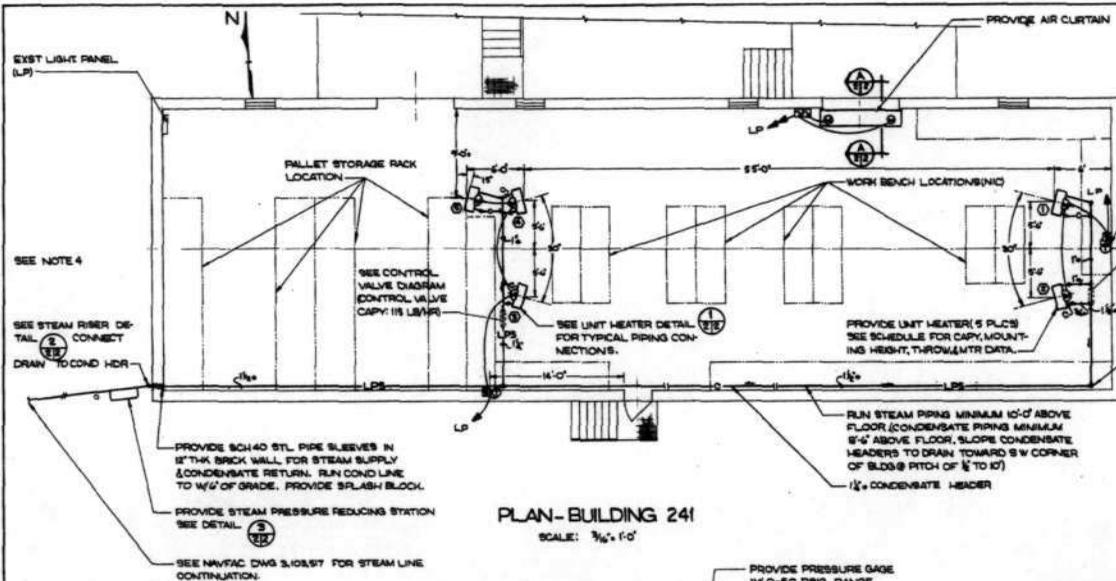
April 27, 2006

Location of negatives: MD SHPO

Subject: Building 210, EAST
FACADE (2)

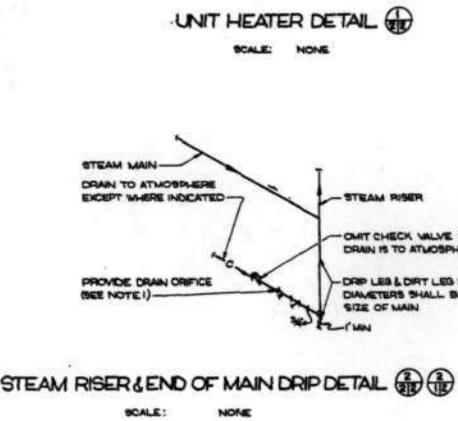
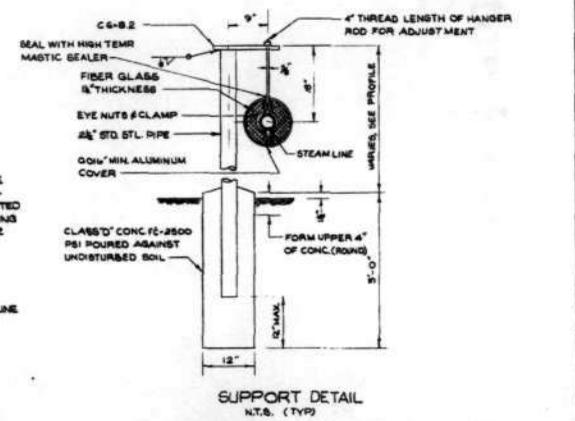
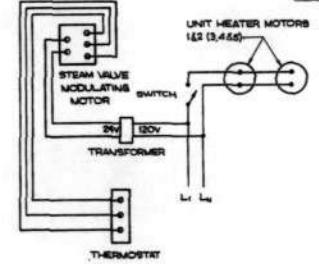
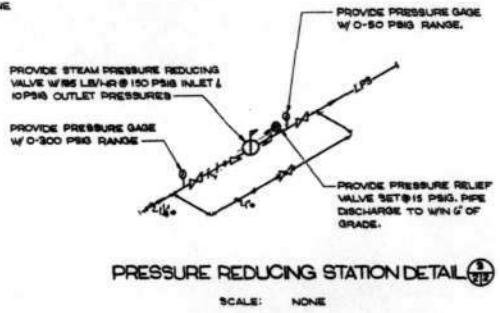
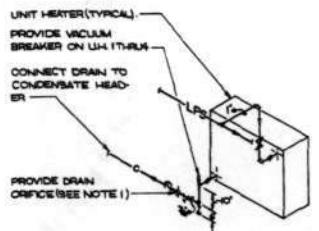
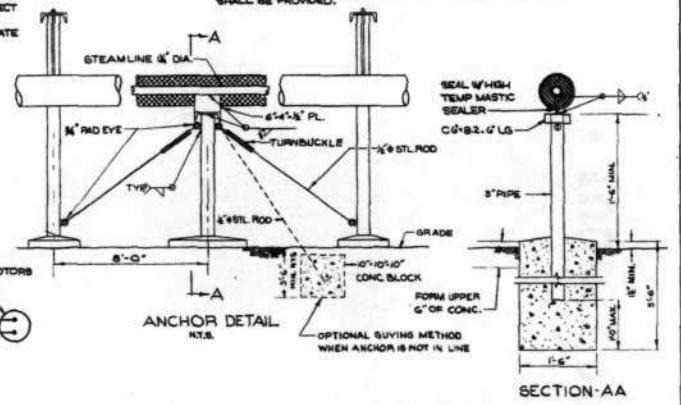
16/68

CH-491
Building 241, Indian Head NSWC
Naval Powder Factory Historic District
Indian Head, Charles Co., Md.



| REVISIONS | | | |
|-----------|-------------|------|----------|
| SYMBOL | DESCRIPTION | DATE | APPROVAL |
| | | | |

- NOTES**
- CONDENSATE DRAIN ORIFICES SHALL BE PROVIDED ON ALL UNIT HEATERS. EXTERIOR STEAM MAIN RISERS & END OF MAIN DRIP LEGS. ORIFICES SHALL BE SUPPLIED BY SPECIAL PRODUCTS DIVISION, FLEXITALLIC GASKET CO. INC., P.O. BOX 680, CAMDEN, NEW JERSEY 08101 - TELEPHONE: 609-969-1180.
 - STEAM METER SHALL BE SELF CONTAINED (SELF OPERATING REQUIRING NO MERCURY, PRESSURE PIPING, ELECTRIC OR PNEUMATIC CONNECTIONS) & SHALL BE MOUNTED DIRECTLY IN & SUPPORTED BY THE LINE. METER SHALL BE SUITABLE FOR 200 PSIG & 4000' STEAM SERVICE (CAPY OF 85 LB/HR. METER SHALL HAVE TOTALIZER W/CAPY OF 60 DAYS).
 - DESIGN CONDITIONS: WINTER - INSIDE 68°F - OUTSIDE 17°F
 - NEW STEAMLINE SHALL BE BONDED TO EXIST GROUNDING SYSTEM AT BLDG 241 APPROVED GROUNDING CLAMPS 1/4" BARE COPPER SHALL BE PROVIDED.



LEGEND

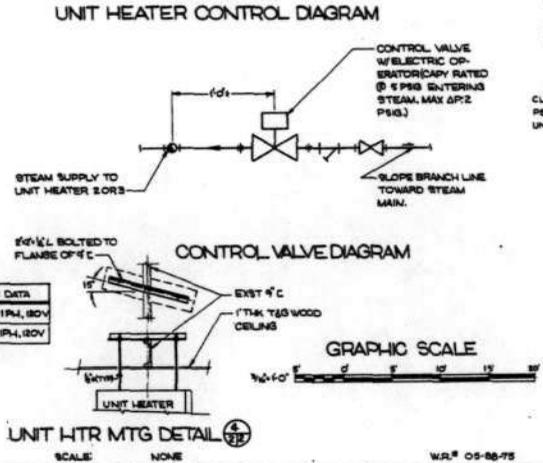
NIC WORK NOT INCL. IN CONTRACT HOME RUN TO PANEL. L.P. HIGH PRESSURE STEAM LOW PRESSURE STEAM STEAM CONDENSATE DIRECTION OF FLOW, SLOPE PIPE ELBOW (TURNED ON) Y PATTERN STRAINER PIPE CAP GATE VALVE GLOBE VALVE STEAM CONTROL VALVE PIPE TEE, PLAN, SECTION CHECK VALVE MOTOR TOGGLE SWITCH-SPST MAXIMAL MOTOR STARTER SCIENTIFIC REDUCER

| UNIT HTR NR | CAPACITY | MTR HGT | MIN THROW | CFM | MOTOR DATA |
|-------------|---------------|---------|-----------|-----|-------------------|
| 1 2 3 | 41,000 BTU/LH | 9 FT | 22 FT | 545 | 730 HP, 1/4, 120V |
| 4 5 | 21,000 BTU/LH | 9 FT | 18 FT | 318 | 1/2 HP, 1/4, 120V |

1 @ 2 PSIG STEAM PRESSURE @ 60' F ENTERING AIR TEMP.

UNIT HEATER SCHEDULE

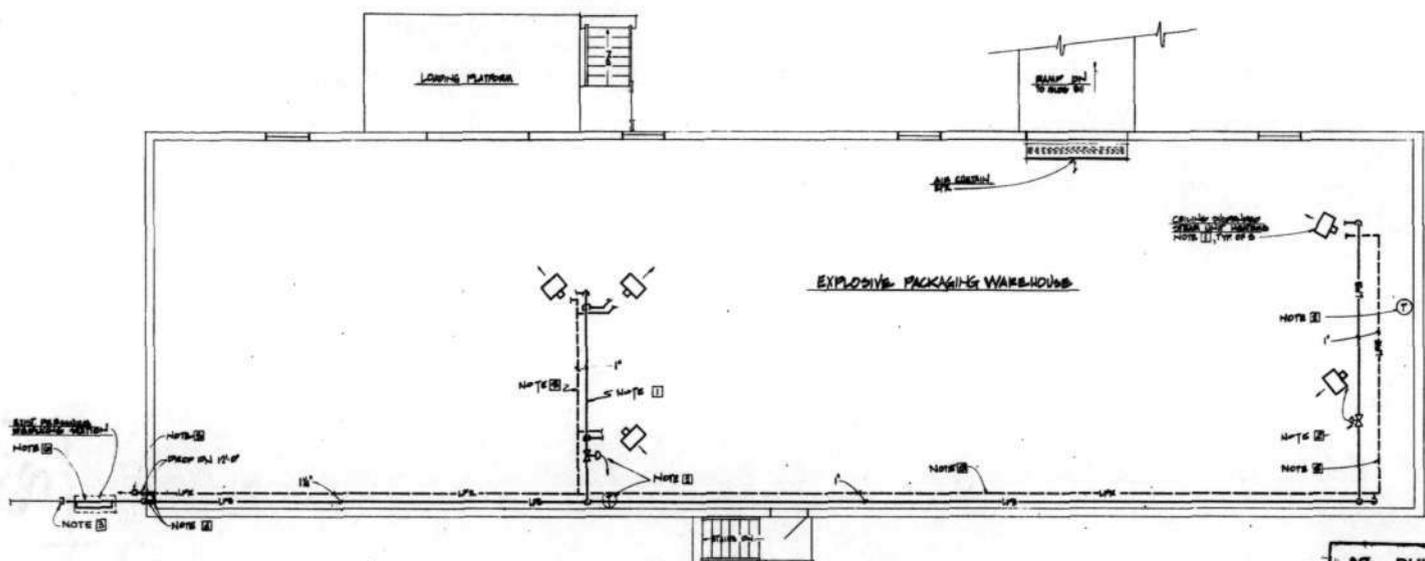
SCALE: NONE



| | | |
|------------------------------|---|--------------------------------------|
| DEL. LND. FORM NO. 100-100 | DEPARTMENT OF THE NAVY | NAVAL FACILITIES ENGINEERING COMMAND |
| FORM 100-100 | NAVAL ORDNANCE STATION | INDIAN HEAD, MD |
| DATE: 7-28-75 | INSTALLATION OF STEAM HEAT-BLDG 241 MECHANICAL-ELECTRICAL | |
| APPROVED: [Signature] | DATE: 7-28-75 | SIZE: CODE IDENT NO: 3103.518 |
| SATISFACTORY TO: [Signature] | DATE: 7-28-75 | SCALE: GRAPHIC |
| CONTRACT NO. NA6477-B-C-0802 | | SHEET 2 OF 2 |

24-491

| REVISIONS | | |
|-----------|------------------|---------|
| NO. | DESCRIPTION | DATE |
| 1 | AS BUILT DRAWING | 2/28/78 |



BUILDING 241 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

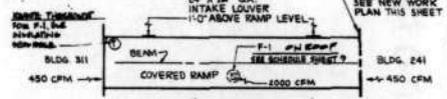
AS - BUILT DRAWING
DeWitt
DATE

DEMOLITION NOTES

- REMOVE STEAM UNIT HANGERS, VALVES, TRAPS, ASSOCIATED PIPING & HANGERS TO INLET OF STEAM DRV. STATION.
- REMOVE VENT CONTROL VALVE & ASSOCIATES OF THE ABOVE UNIT.
- REMOVE TO THIS POINT CAP PIPE FOR COLLECTION UNDER NEW WORK PLAN.
- FROM STEAM PIPING REMOVE WITH DIRECTION OF AIRFLOW & REMOVE AS NOTED UNDER NEW WORK PLAN.
- REMOVE ALL LOW PIPING FROM UNIT HANGER TO POINT WHERE NOT CONSIDERED TO BE ON GRADE.
- REMOVE VENT SECTION W/ ALL PIPING, VALVES, SUPPORTS & ACCESSORIES & CAP FOR CONNECTION UNDER NEW WORK PLAN.

NEW WORK NOTES

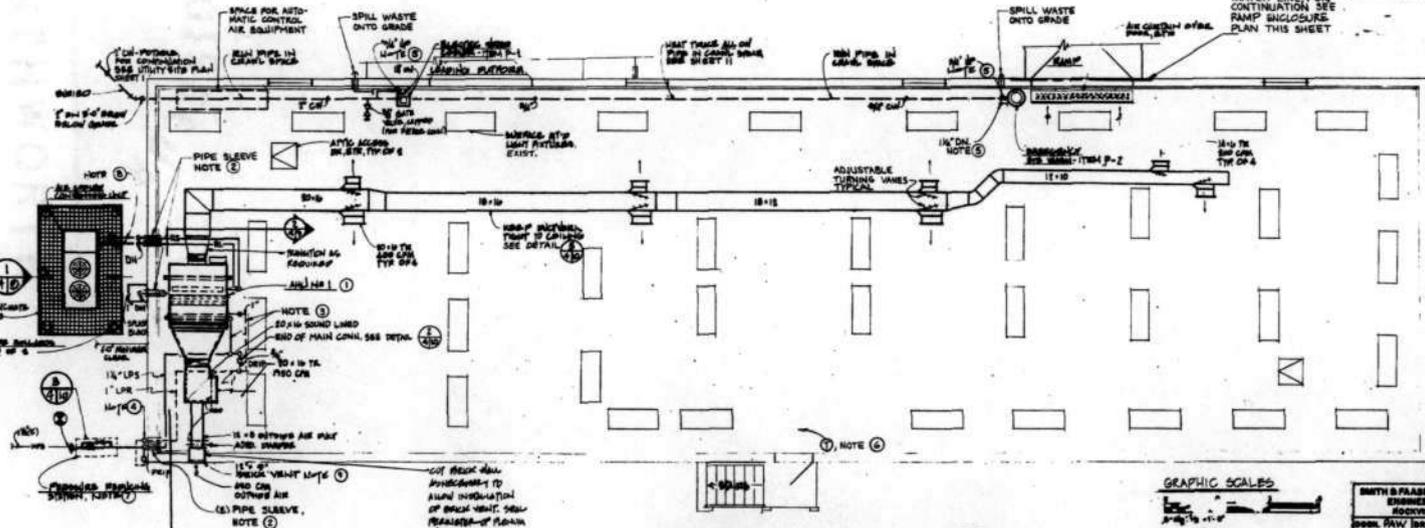
- SEE SCHEDULE ON SHEET 9.
- PACK PIPE SLEEVE WITH MINERAL WOOL & SEAL WATER TIGHT WITH ELASTIC CAULK.
- SEE DETAIL 111.
- SPILL OVER CONCRETE SPLASH BLOCK.
- PIPE THRU FLOOR & CONNECT TO UNIT. PROVIDE SHUT OFF VALVE ABOVE FLOOR AT UNIT.
- INSTALL 2" MIN. ABOVE FINISHED FLOOR LEVEL, PROVIDE INSULATING SUB-BASE; COMPARE WITH/AS SHOWN.
- SEE PRESSURE REDUCING STATION SCHEDULE THIS SHEET FOR CAUTION.
- SEE APPROPRIATE SECTION & LAYOUT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SUPPORT PIPING ON CONCRETE PAD.
- ATTACH IF NOT 1" HIGH 1/2" DEEP PLUMB TO BACK OF REAR VENT.
- FOR SYMBOLS & ABBREVIATIONS SEE SHEET 9.



RAMP ENCLOSURE PLAN
SCALE: 1/8" = 1'-0"

| PLUMBING FIXTURE SCHEDULE | | | | |
|---------------------------|----------------|-------------|--------|----------|
| ITEM | FIXTURE | CONNECTIONS | VALVES | LOCATION |
| PP-1 | WASH WARE CUPB | 1/2" | 1/2" | BLDG 241 |
| PP-2 | WASH SINK | 1/2" | 1/2" | BLDG 241 |

| PRESSURE REDUCING STATION SCHEDULE | | | | |
|------------------------------------|--------------|---------------|----------------|----------|
| VALVE NO. | INLET PRESS. | OUTLET PRESS. | CAPACITY (GPM) | LOCATION |
| V-1 | 150 P.S.I. | 14 P.S.I. | 75 | OUTSIDE |



BUILDING 241 NEW WORK PLAN
SCALE: 1/8" = 1'-0"

SMITH & FRASS CONSULTING ENGINEERS, INC.
ROCKVILLE, MD.

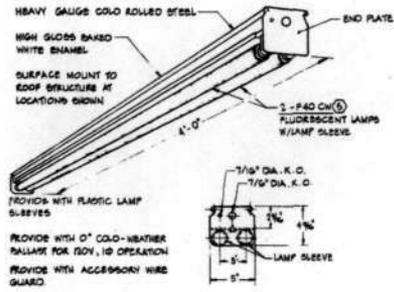
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 10-27-78

DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND
NAVAL ORDNANCE STATION
INDIAN HEAD, B.S.
INTERNAL TEMPERATURE CONTROL BUILDING 241
ALTER GAS GENERATOR PROCESSING BUILDINGS 243 & 204

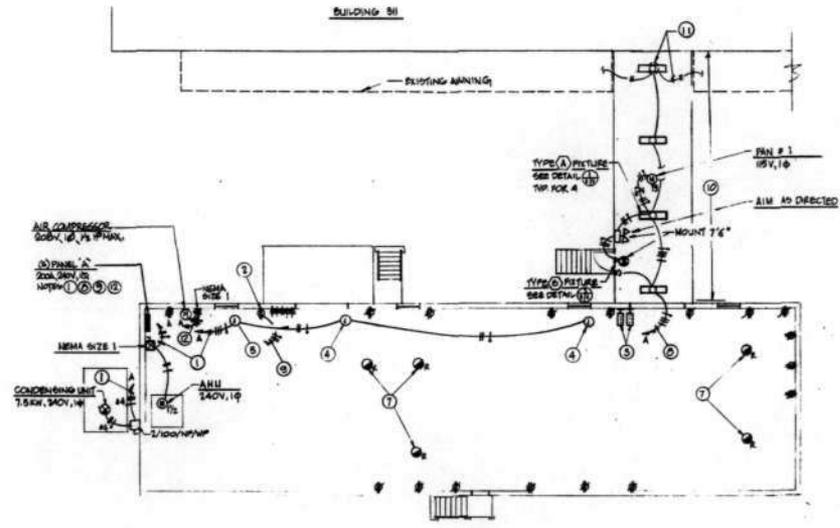
BUILDING 241 - DEMOLITION & NEW WORK - MECHANICAL
SHEET 4 OF 10
DRAWING NO. 8122078
CONTRACT NO. N62477-81-C-204
MAY/JUN NOTED SPEC 2-B-7018

01-491

| REVISION | DESCRIPTION | DATE | APPROVAL |
|----------|------------------|------|----------|
| 1 | AS-BUILT DRAWING | | |



DETAIL FIXTURE TYPE A
NOT TO SCALE



BUILDING 241 FLOOR PLAN
SCALE 1/8" = 1'-0"

NOTES

- EXISTING PANEL 'X': PROVIDE 1-2P, 15A AND 1-2P, 30A CIRCUIT BREAKERS FOR CONNECTIONS TO AHU AND CONDENSING UNIT. PROVIDE 2-1P, 30A CIRCUIT BREAKERS FOR CONNECTION TO HEAT TAP. CIRCUITS SHALL NEW BREAKER MOUNTING SPACES. MATCH NEW BREAKER TO EXISTING BREAKER MOUNTING SPACING. LAMP AND PANEL BOARD DISCONNECT.
- RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE MOUNTING HEIGHT WITH EQUIP. FINISHES.
- EXISTING AIR CURTAIN "START-STOP" PUSH BUTTON STATION: PROVIDE FLUSH MOUNTED COVER ON EXISTING STATION. COORDINATE WITH NEW FURRED WALL.
- JUNCTION BOX IN CRAWL SPACE FOR CONNECTION TO HEAT TAP FOR FEEDER PROTECTION OF 3/4" COLD WATER PIPE. (C)
- JUNCTION BOX IN CRAWL SPACE FOR CONNECTION TO HEAT TAP FOR FEEDER PROTECTION OF 2" COLD WATER PIPE. (C)
- PROVIDE FEEDER PROTECTION HEAT TAP (3 WHITE PEE LINEAR FOOT OF TAP, 120 VOLTS, 1P, WITH INTEGRAL THERMOSTAT) FOR FEEDER. PROVIDE PROTECTION FOR 20' F. COORDINATE WORK WITH MECH. DWG. PROTECT ALL EXPOSED PIPE IN CRAWL SPACE AND OUTSIDE BLURB.
- DISCONNECT EXISTING UNIT HEATER. REMOVE ALL ASSOCIATED WIRING BACK TO PANEL BOARD OR NEAREST ACTIVE OUTLET.
- PROVIDE 1-1P-30A & 1-1P-30A CB IN EXISTING SPACE IN PANEL 'X' FOR CONNECTION TO LIGHTS AND EXHAUST FAN RESPECTIVELY.
- PROVIDE 1-1P-30A CIRCUIT BREAKER IN EXISTING SPACE IN PANEL 'A' FOR CONNECTION TO ELECTRIC WATER COOLER.
- WORK FOR RAMP ENCLOSURE SHALL BE PART OF ALTERNATE A.
- REMOVE EXISTING INCANDESCENT LIGHT AT THIS LOCATION. REROUTE EXISTING RACEWAY & CONDUITING AS REQUIRED FOR CONTINUITY OF REMAINING LIGHTING CIRCUIT.
- PROVIDE 1-2P-20A CB IN EXISTING SPACE IN PANEL 'A' FOR AIR COMPRESSOR (OMIT IF AIR COMPRESSOR NOT REQUIRED).

SYMBOLS

- BRANCH CIRCUIT WIRING - EXPOSED
- EXISTING BRANCH CIRCUIT WIRING TO REMAIN
- EXPLORATION - GROUP CONDUIT DEAD
- EXISTING FITTURES, WEIRTS, DEVICES, OUTLETS, EQUIPMENT, ETC... TO REMAIN
- EXISTING RECEPTACLE: REMOVE DEVICE AND PROVIDE EXTENSION COLLAR ON EXISTING OUTLET TO MATCH DEPTH OF FURRED WALL. REINSTALL RECEPTACLE AT WALL LOCATION AND RECONNECT FOR OPERATION AS BEFORE. EXTEND EXISTING CONDUIT AS REQUIRED TO RECONNECT EXISTING RECEPTACLE. PROVIDE NEW FACELATE FOR FLUSH OUTLET.
- BRANCH CIRCUIT OR DISTRIBUTION PANELBOARD: RATINGS AS NOTED
- LARGER GROUND BRANCH CIRCUIT WIRING OR FEEDER. INSTALL 3'-0" MINIMUM SLOPE POINTED HEAD.
- NUMBER TO PANEL: DESIGNATED NUMBER INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN 2. NUMERICAL SUBSCRIPT INDICATES CONDUCTOR SIZE WHEN OTHER THAN 12 AWG. ALPHAS INDICATE NUMBER OF CIRCUITS. # INDICATED AROUND CONDUCTOR.
- SUBSCRIPT INDICATES EXPLORATION - GROUP DEVICE, EQUIPMENT, OUTLET, ETC...
- MOTOR STARTER
- COMBINATION MOTOR STARTER AND MOTOR CIRCUIT PROTECTIVE DISCONNECT. PROVIDE "MOA" SWITCH IN FRONT COVER LION.
- SAFETY DISCONNECT DESIGNATED "FOLEY" SWITCH AMPERE RATINGS / FUSE AMPERE RATINGS. "NF" INDICATED NON-FUSE DISCONNECT.
- MOTOR CONNECTION - ALPHABET INDICATED HOIST/PUMPER
- JUNCTION BOX
- EXISTING SINGLE POLE SWITCH: PROVIDE WORK AND PREPARED FOR "30"
- FURRER RECEPTACLE, NEMA 5-20C, "MOUNT" HEAT-TAP - LION.
- UNIT HEATER
- CONNECTION TO FACTORY EQUIPMENT CONNECTION BOX - RATINGS AS NOTED
- ALPHABET INDICATED EXISTING EQUIPMENT, DEVICE, OUTLET, ETC... DISCONNECT UNIT AND REMOVE COMPLETE.
- EXISTING BRANCH CIRCUIT WIRING OR FEEDER: REMOVE CONDUCTORS AND CONDUIT COMPLETE - LION.
- EXISTING BRANCH CIRCUIT WIRING OR FEEDER: REMOVE EXISTING CONDUCTORS AND RETAIN EXISTING CONDUIT. PROVIDE NEW CONDUCTORS AS NOTED IN EXISTING CONDUIT.
- REFERENCE TO NOTE ON DRAWING
- ALPHABET INDICATED WEATHER-PROOF DEVICE, OUTLET, EQUIPMENT, ETC...
- SINGLE POLE SWITCH
- FLUORESCENT LIGHTING FIXTURE AND OUTLET.
- EXISTING GROUNDING SYSTEM TERMINALS.
- EXISTING ITEM RELOCATED TO NEW LOCATION INDICATED OR SHOWN.
- GROUNDING CONDUCTOR - 1/4 DIA. COPPER.
- EMERGENCY BATTERY LIGHTING UNIT.
- BUT SIGN - WALL MOUNTED.
- MANUAL MOTOR STARTER WITH MOA SWITCH

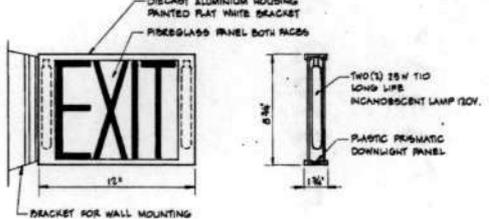
GENERAL NOTES

- (C) ALL WORK IS NEVY-LION.

ABBREVIATIONS

- UN UNLESS OTHERWISE NOTED
- APR ABOVE FINISHED FLOOR.
- FB FULL BOX
- GRB GOVERNMENT PURCHASED EQUIPMENT
- TF TYPICAL
- CB CIRCUIT BREAKER
- MOA HAND-OFF-AUTOMATIC

GRAPHIC SCALE



DETAIL FIXTURE TYPE C
NOT TO SCALE

AS - BUILT DRAWING
SIGNATURE: [Signature] DATE: 5/20/83

| | | | | | |
|--|--|--|--|--|--|
| SMITH BRASS OPERATING ENGINEERS, INC. BOSTONVILLE, MA | | DESIGNED BY: [Signature] DATE: 5/20/83 | | DRAWN BY: [Signature] DATE: 5/20/83 | |
| CHECKED BY: [Signature] DATE: 5/20/83 | | APPROVED BY: [Signature] DATE: 5/20/83 | | DATE: 5/20/83 | |
| SUBMITTED BY: [Signature] DATE: 5/20/83 | | DATE: 5/20/83 | | DATE: 5/20/83 | |
| DEPARTMENT OF THE NAVY | | NAVAL FACILITIES ENGINEERING COMMAND | | NAVAL ORDINANCE STATION | |
| INDIAN HEAD, MD | | INSTALL TEMPERATURE CONTROL BUILDING 241 | | AUX GAS GENERATOR PROCESSING BUILDINGS 241 & 204 | |
| BUILDING 241 - FLOOR PLAN - ELECTRICAL | | DRAWING NO. 51220 79 | | CONSTR. CONTR. NO. NSI-477-BI-C-705 | |
| SCALE: AS NOTED | | SHEET 21 OF 21 | | SHEET 21 OF 21 | |

167-491



MHP # CH-491

Building 241, NAVAL Powder Factory Historic District, NAVAL

Support Facility INDIAN HEAD

CHARLES COUNTY, MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, South Facade (1)

#11/78



MIHP # CH-491

Building 241, NAVAL Powder Factory Historic District, ^{NAVAL}
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, South Facade (2)

#22/78



MIHP # CH-491

Building 241, NAVAL Powder Factory Historic District
NAVAL Support Facility Indian
Head

Charles County, MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, West Facade (1)

2/78



MIHP# CH-491

Building 241, Naval Powder Factory Historic District
NAVAL Support Facility Indian
Head

Charles County, Maryland

Photographer: Lisa Biddle (GRA)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, Southwest
Facade

#24/78



MIHP # CH-491

Building 241, Naval Powder Factory Historic District, Naval
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERA)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, West Facade (2)

217



MHP # CH-491

Building 241, NAVAL Powder Factory Historic District, NAVAL
SUPPORT FACILITY INDIAN HEAD

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 241, East Facade

#16/78



MHP# CH-491

Building 241, NAVAL Powder Factory Historic
District
NAVAL Support Facility
INDIAN HEAD

Charles County MARYLAND
Photographer: LISA BIDDLE (ERA)

April 27, 2006

Location of Negatives: MD SHPO
Subject: Building 241, Northeast
Facade

17/78

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 261 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 261 is a one-story, U-shaped, wood-frame structure sheathed with corrugated metal siding. The original building consisted of a rectangular storehouse constructed in 1918; in 1941, two one-story gable roof additions were appended to the east elevation of the building, creating the current U-shape. The entire building rests on a concrete foundation. The building is surmounted by a gable roof clad in asphalt-shingle standing seam metal. The southwest gable and elevation exhibits a one-story flat roof addition. All the doors have been replaced with metal fire doors. A pair of single wood doors are accessed by a loading dock adjoining a railroad siding. A one-story shed roof addition was appended to the northwest elevation of the building.

Building 261 was constructed in 1918 as a storehouse and is currently used as a hobby shop. The building exhibits select changes to windows and doors and the addition of new door openings. Two contemporary additions have changed the original rectangular footprint of this building to a U-shaped footprint.

Building 261 was constructed in 1918 as a store house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services Date
J. Rodney Little July 17, 1998

Reviewer, NR Program Date

Building 261 Indian Head NSWC

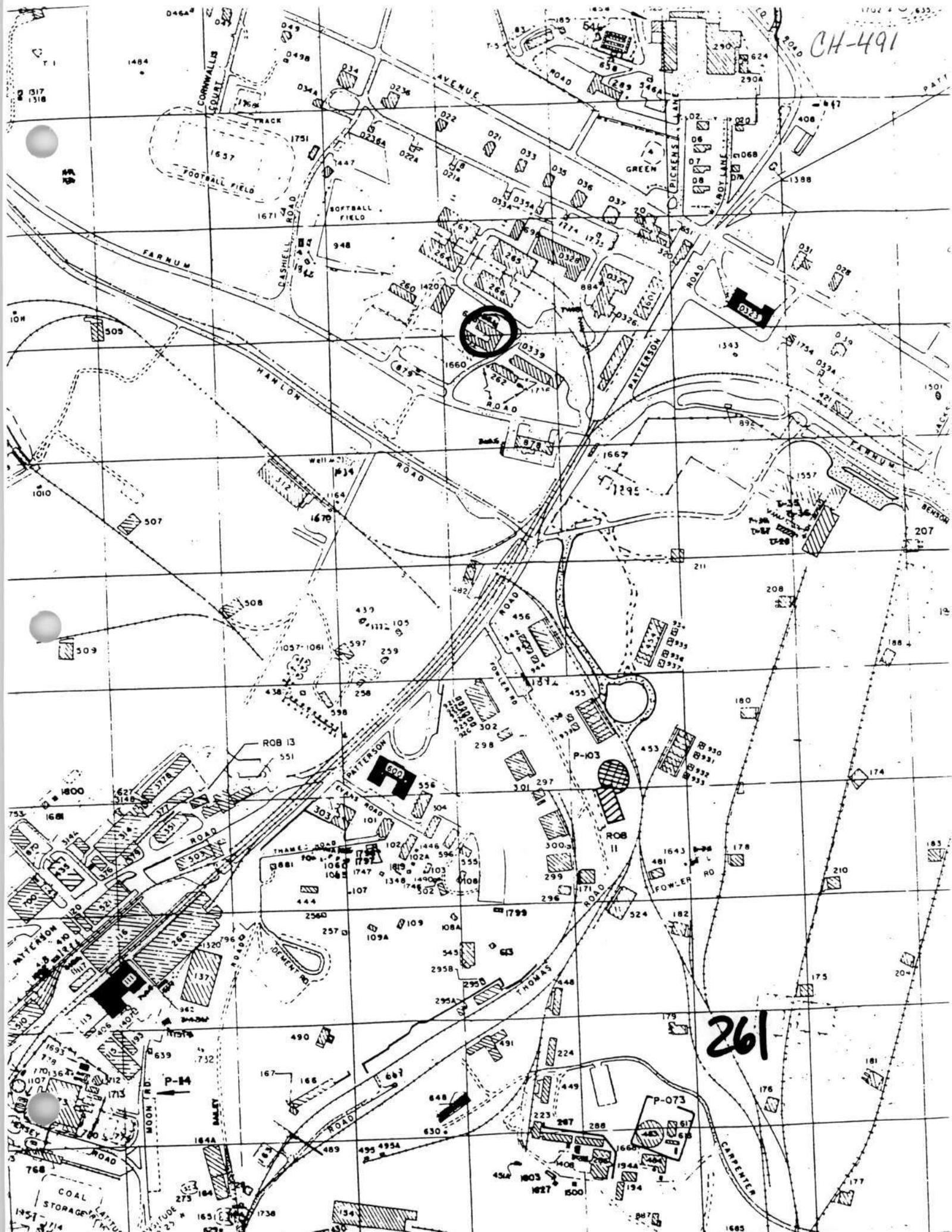
Page 2

Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998

CH-491



261



CH-491

Bldg 261

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SE ELEVATION OF STOREHOUSE

TCP 03-00 111111 07RU 020

2011A

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 286 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 286 is a two-story, rectangular structure composed of three flat-roofed sections. Two sections are additions to the original structure that was a rectangular common-bond, brick building. The brick section is characterized by recessed brick panel bays and a flat, parapet roof. All former window bays are in-filled with brick and corrugated metal. The north elevation exhibits a one-story, poured concrete addition. Multiple single and double fire doors provide access to the building.

Building 286 was originally constructed as a rectangular brick structure. Two additions have changed the form, massing, and design of the original structure. Metal wall and roof ventilators and the in-fill of window and door openings have compromised the building's historic design and materials. Building 286 exhibits numerous modifications and alterations that have compromised the building's historic design and materials.

Building 286 was constructed in 1918 as a cartridge primer manufacture building at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. The building no longer possesses sufficient integrity of historic design and materials to convey its association with the Naval Powder Factory during its period of significance.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

Building 286 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998



CH-491

BLDG 286

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

ELEVATION OF CARTRIDGE OPERATIONS BLDG.

CH-491
Building 287, Indian Head NSWC
Powder Factory Historic District
Indian Head, Charles Co., Md.



MIHP# CH-491

Building 287, Naval Powder Factory Historic District
NAVAL Support Facility Indian Head
Charles County, Maryland

Photographer: Lisa Biddle (ERA)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 287, South Facade (2)

#28/68



MIHP# CH-491

Building 287, NAVAL Powder Factory Historic District, NAVAL

Support Facility Indian Head

Charles County, MARYLAND

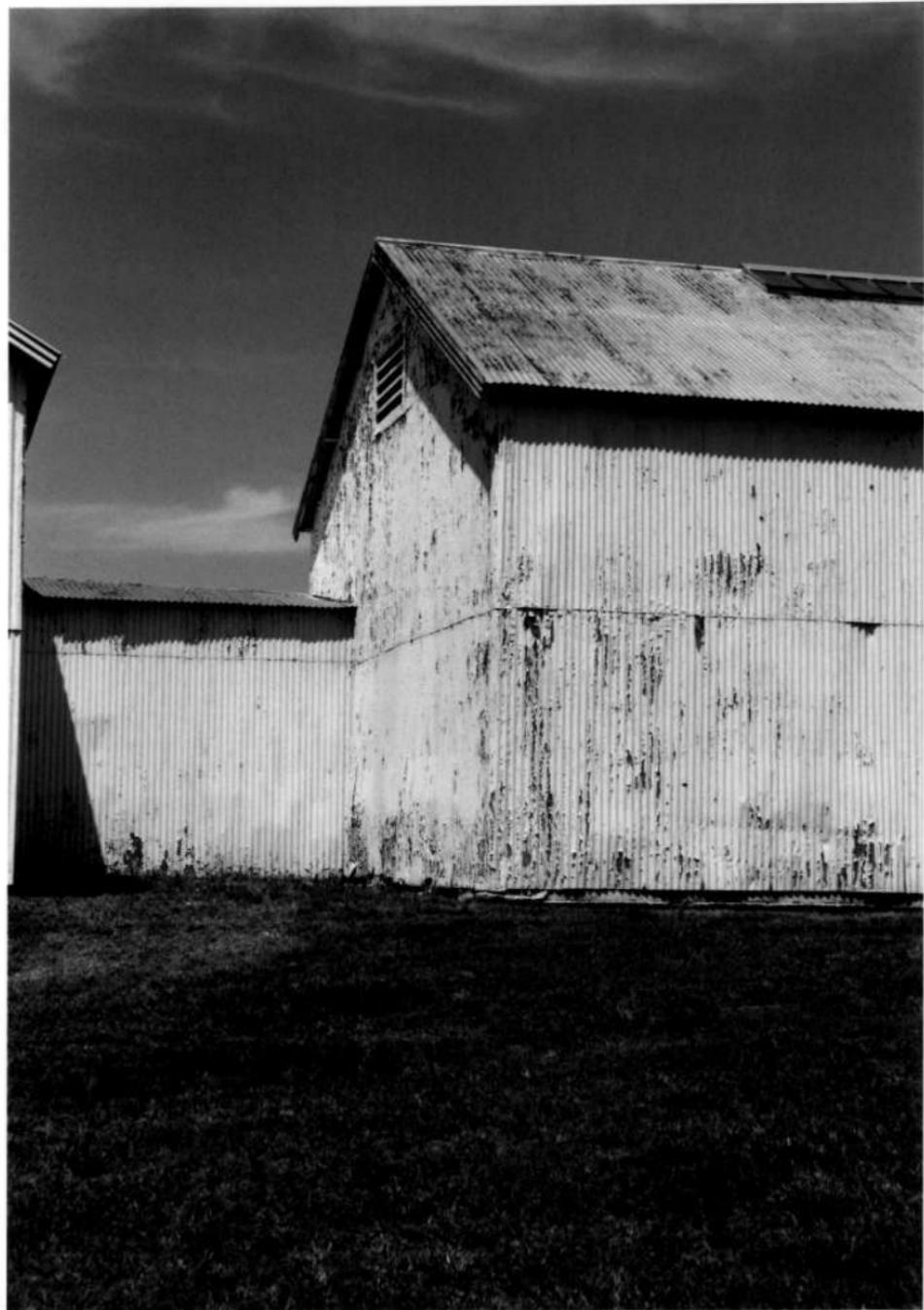
Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 287, South Facade (1)

#22/68



MIHP# CH-491

Building 287, NAVAL Powder Factory Historic
District

NAVAL Support Facility
INDIAN HEAD

Charles County, Maryland

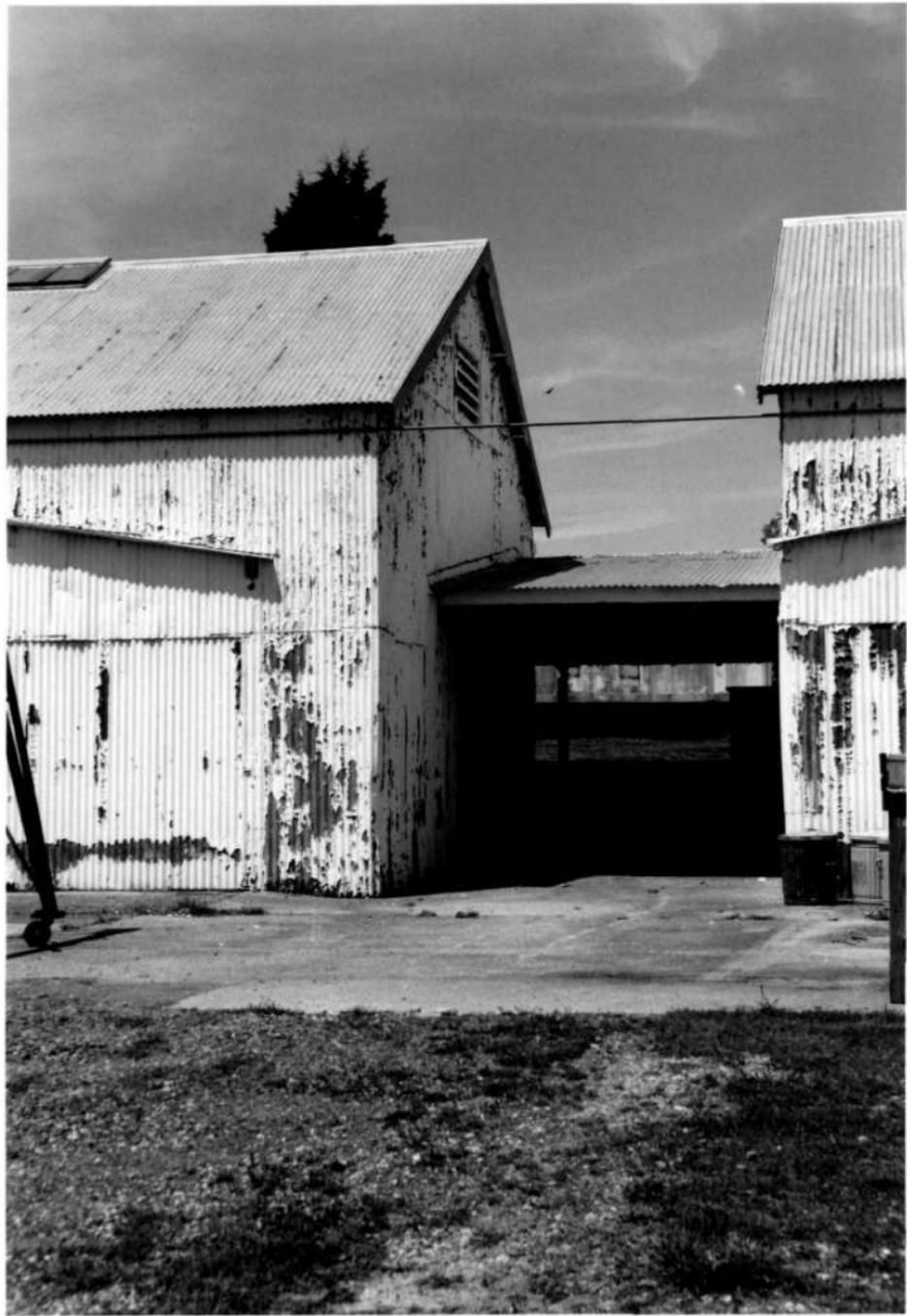
Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of Negatives: MD SHPD

Subject: Building 287, West Facade

23/68



MIHP# CH-491

Building 287, NAVAL Powder Factory Historic
District, NAVAL Support Facility
INDIAN HEAD

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of Negatives: MD SHPO

SUBJECT: Building 287, East Facade
4/6



MIHP# CH-491

Building 287, NAVAL Powder Factory Historic District, NAVAL

Support Facility INDIAN HEAD

Charles County, MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 287, North Facade (1)

5/6



MHP# CH-491

Building 287, NAVAL Powder Factory Historic District, NAVAL
Support Facility Indian Head
Charles County, Maryland

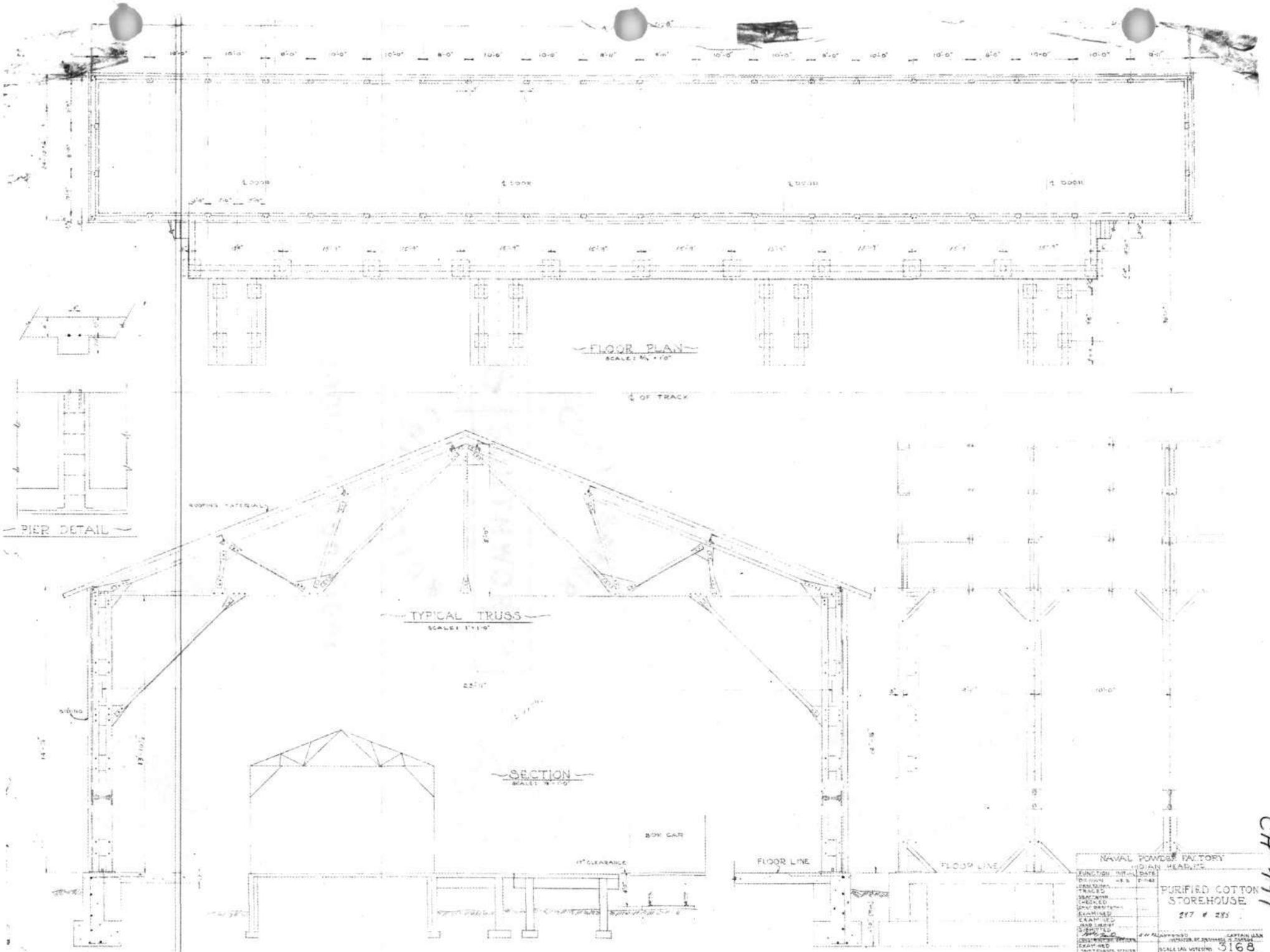
Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPD

Subject: Building 287, North Facade (2)

26/60



| | | | |
|----------------------|-------------|-------------------|------|
| NAVAL POWDER FACTORY | | INDIAN HEAD, D.C. | |
| FUNCTION | NO. 3 | DATE | 1948 |
| DESIGNER | C. J. BROWN | | |
| ENGINEER | C. J. BROWN | | |
| CHECKED | C. J. BROWN | | |
| EXAMINED | C. J. BROWN | | |
| SCALE | AS SHOWN | | |
| NO. SHEET | 3168 | | |
| NO. SHEETS | 3168 | | |
| DESIGNED BY | C. J. BROWN | | |
| EXAMINED BY | C. J. BROWN | | |
| DATE | 1948 | | |
| SCALE | AS SHOWN | | |
| NO. SHEET | 3168 | | |

CH-491

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes X
no

Property Name: Building 292 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no yes Name: _____ Date: _____
Is the property is located within a historic district? X yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource X yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 292 is a two-story, rectangular, four-by-fourteen bay, brick industrial building. A poured concrete foundation forms a water table. The building features multi-pane industrial windows with pivoting center sections. The building terminates in a flat roof with parapet wall on the southwest gable end. Buildings 292A and 292B, starter houses, were appended to the building in 1941. A one-story corrugated metal addition was added to the roof of the building forming a third-story in 1949. The interior of the building was extensively altered to accommodate its modern function as a rocket motor assembly and inspection facility.
Building 292 was constructed as a two-story, rectangular poaching and blending house. The building has received several modifications including the addition of Buildings 292A and 292B, and the addition of a third story to update it as an assembly shop. The interior was renovated to accommodate the assembly shop. Due to these modifications, Building 292 no longer retains its original massing.
Building 292 was constructed in 1918 as a poaching and blending house and motor preparation and inspection building at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended X Eligibility not recommended

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

MHT Comments
Documentation reviewed by Lauren Bowlin.

| | |
|---|---------------|
| Reviewer, Office of Preservation Services | Date |
| J. Rodney Little | July 17, 1998 |
| Reviewer, NR Program | Date |

Building 292 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998



CH-491

Bldg 292

CHARLES COUNTY, MD

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

W ELEVATION OF INERT PROCESSING BUILDING

TCR 03-03 1411114 00AU 021

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 298 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

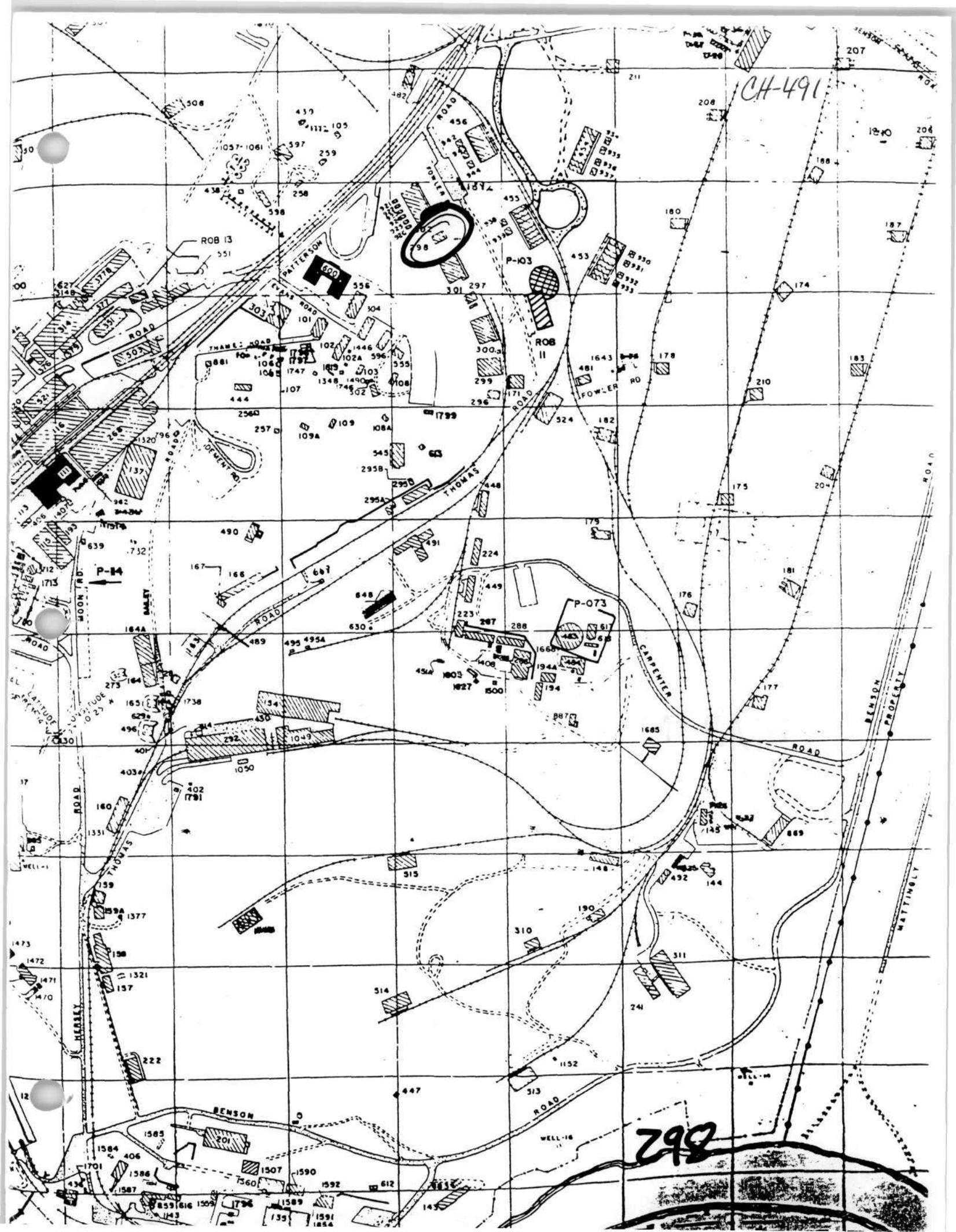
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 298 is a one-story, rectangular, one-bay wood-frame corrugated-transite building. The building rests on a poured concrete foundation with a corrugated metal roof. The building is accessed by a central double metal door on the north elevation. A raised poured concrete loading dock supported by concrete piers connects the building to the adjoining buildings. Corrugated transite siding has obscured all the original fenestration of the building.

Building 298 has been clad in corrugated-transite siding obscuring important character defining features and surfaces such as windows and siding. The building no longer possesses integrity of design or materials.

Building 298 was constructed in 1919 as a glazing and screening house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 298 no longer possesses sufficient integrity of historic design or materials to convey its significance with Naval Powder Factory during its period of significance.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|--|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended ___ | Eligibility not recommended <u>X</u> |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



CH-491

292

ROB I3

ROB II

P-14

P-073

P-103

PATTERSON

THOMAS

CARENER

BENSON

HERRY

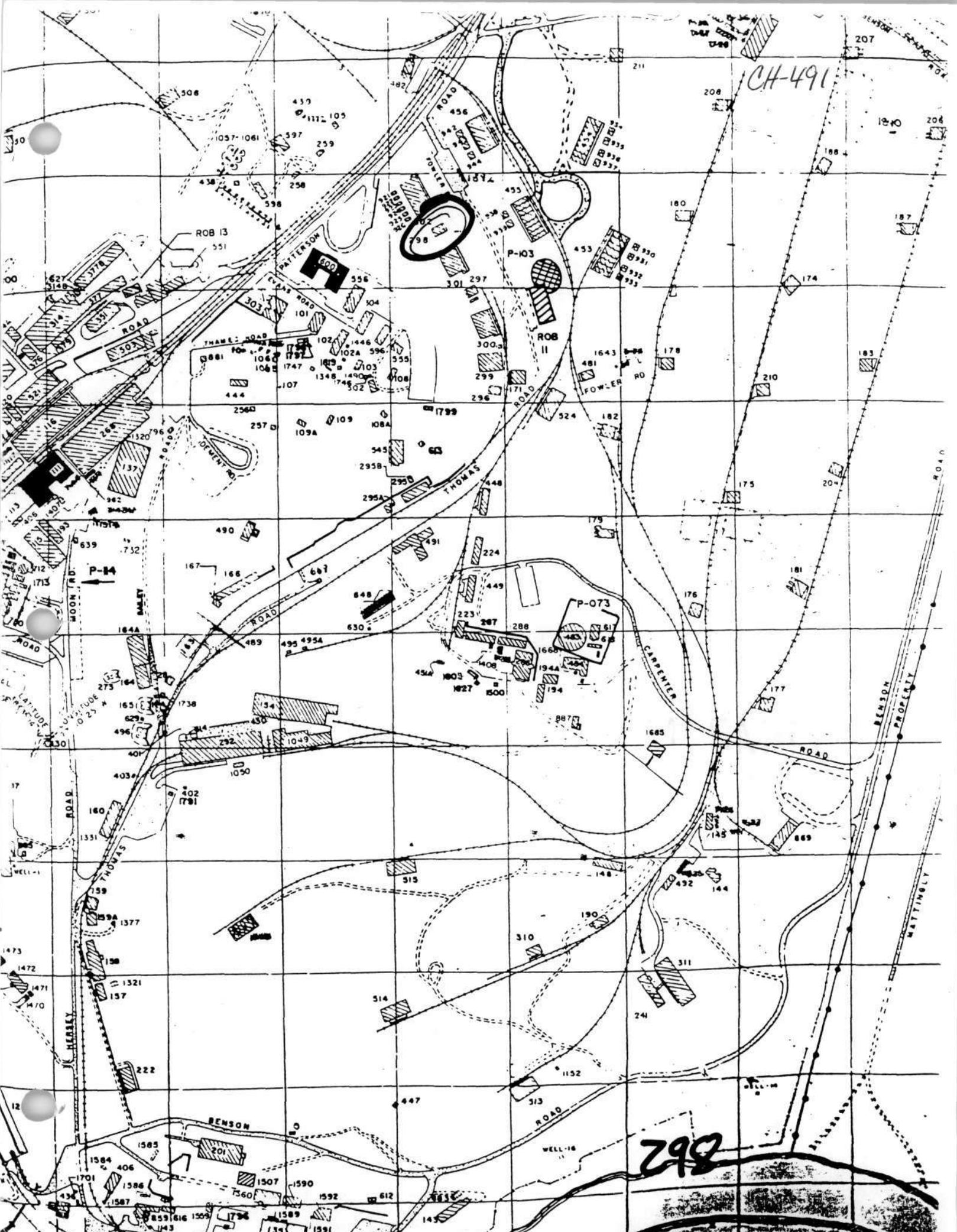
MOON TRD

SALLEY

FOWLER RD

BENSON

MATTINGLY





CH-491

Bldg-298

CHARLES COUNTY, MD

JOHN MILNER ASSOC.

1995

JOHN MILNER ASSOC.

N ELEVATION OF STORAGE BUILDING - X-RAY

TOP 83-81 1111111-079U 852

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 299 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

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

Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 299 is a one-story, rectangular, three-bay, brick building. The building rests on a poured concrete foundation terminating in a flat roof with parapet wall. The building is accessed by a central, double, metal door on the north elevation. The north and south elevations feature multi-light industrial windows with pivoting sash. On the north elevation a shed roof porch shelters a concrete-slab loading platform.

Building 299 was constructed in 1919 as an ammonia compressor house and was recently gutted and renovated to house the base technical library. All original metal sash windows were in-filled with glass block. Entry doors were replaced with metal fire doors. The interior was renovated to accommodate office and bock stack spaces.

Building 299 was constructed in 1919 as an ammonia compressor house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

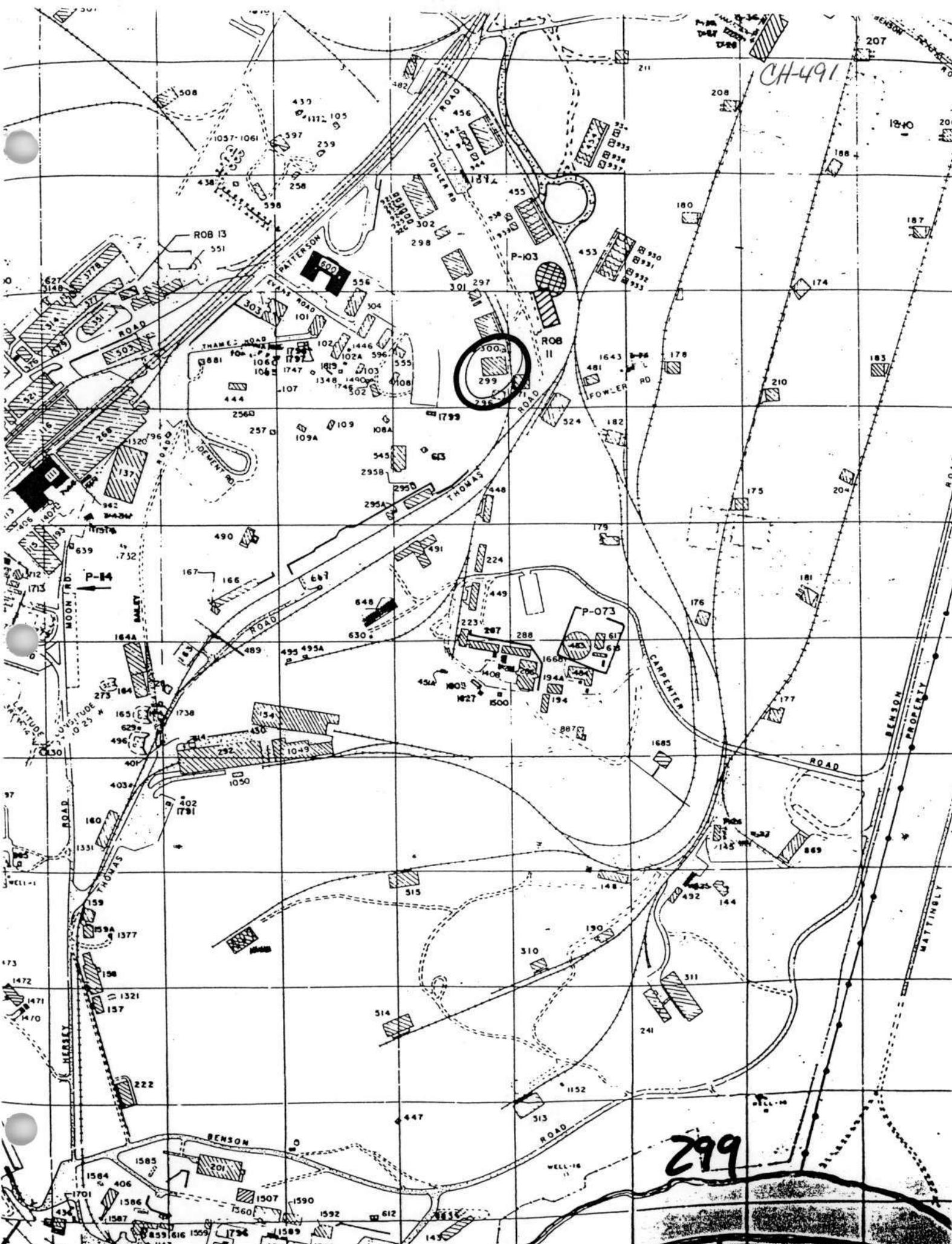
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

300.3
299

299



CH-495
Bldg 299

CHARLES COUNTY, MD
JOHN MILNER, Assoc.
1995

JOHN MILNER Assoc.
NE ELEVATION OF OFFICE/TECHNICAL LIBRARY

TCP 03-02 NNNNN-1490 052

SE 11

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 300 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? ___ yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

Site visit by MHT staff: X no ___ yes Name: _____ Date: _____

Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 300 is a two-story, rectangular, nine-bay brick building. All the windows and door openings, as well as the roof have been removed. The interior is completely gutted. The building rests on a poured concrete foundation, each bay is divided by brick partition walls with parapets. A concrete-slab loading platform remains on the north elevation of the building.

Building 300 is composed of less than 50 per cent of its original fabric and retains few character defining features. The building no longer possesses integrity of design or materials.

Building 300 was constructed in 1918 as a solvent recovery house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 300 no longer possesses sufficient integrity of historic design or materials to convey its significance with Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

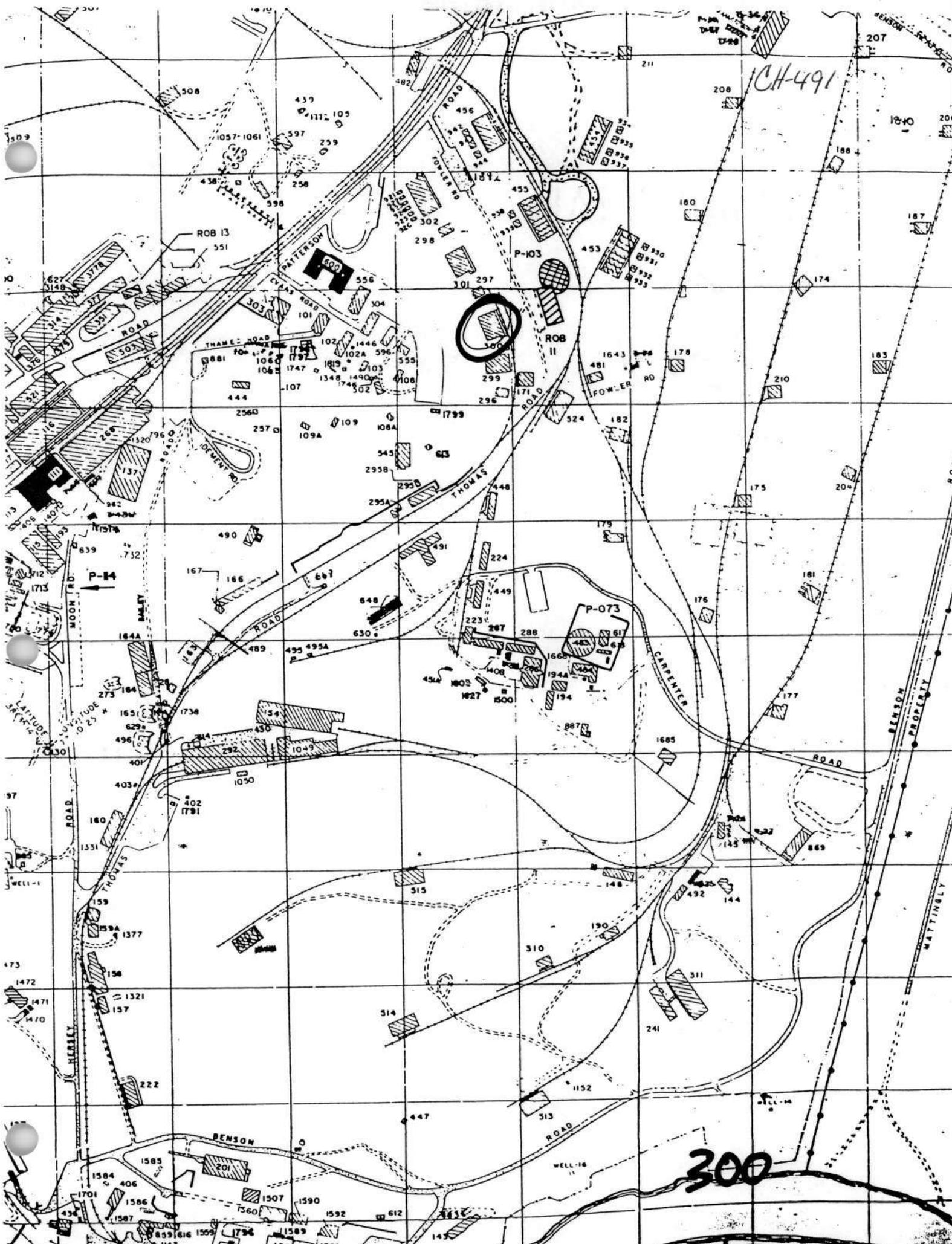
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

300

ROB I3

ROB II

P-073

P-14

PATTERSON

THAMES ROAD

ROAD

THOMAS

CARPENTER

BENSON

PROPERTY

MATTINGLY

BENSON

WELL-16

WELL-14

WELL-13

WELL-12

WELL-11

WELL-10

WELL-9

WELL-8

WELL-7

WELL-6

WELL-5

WELL-4

WELL-3

WELL-2

WELL-1



CH-491
Bldg. 300
CHARLES COUNTY, MD
JOHN MILNER, ASSOC.
1995

JOHN MILNER, ASSOC.
N ELEVATION OF VLS FACILITY BUILDING

TCF 83-01-111111-0000 052

85, 8

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 301 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 301 is a two-story, rectangular, nine-bay brick building that rests on a concrete foundation. All the window and door openings as well as the roof have been removed. The building is completely gutted. Each bay is divided by brick partition walls with parapets. A concrete-slab loading platform is located on the north elevation of the building.
Building 301 is composed of less than 50 per cent of its original fabric and retains few character defining features. The building no longer possesses integrity of design or materials.
Building 301 was constructed in 1918 as a solvent recovery house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. The building was gutted by fire and is currently in a state of disrepair. Building 301 no longer possesses sufficient integrity of historic design or materials to convey its significance with Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services _____ Date _____
J. Rodney Little _____ **July 17, 1998**
Reviewer, NR Program _____ Date _____



CH-491

Bldg 301

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

S ELEVATION OF OFFICE BUILDING

TCP 83-81 HHHHH:03AU 852

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 302 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 302 is a two-story, rectangular, seven-bay, brick building. The building rests on a poured concrete foundation, terminating in a flat roof with parapet wall. Brick partition walls with parapets divide each bay. The building features two-over-two light, double hung, wood-sash windows on the first floor and one-by-one sliding track windows on the second floor. The second floor porch of the building has been enclosed with horizontal vinyl siding. A concrete-slab loading platform is located on the north elevation of the building. The interior of the building has been renovated for office use.

Building 302 was constructed as an industrial manufacturing building and has recently been renovated for office use. For the renovation, the second story porches were enclosed and all windows were replaced. The inside of the building was gutted for office space. The building was also detached from the adjacent condenser houses that were important to the solvent recovery process. Modifications have obscured the original design and function of Building 302 and it no longer possesses integrity of design.

Building 302 was constructed in 1918 as a solvent recovery house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. The building has been renovated for use as offices. Building 302 no

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

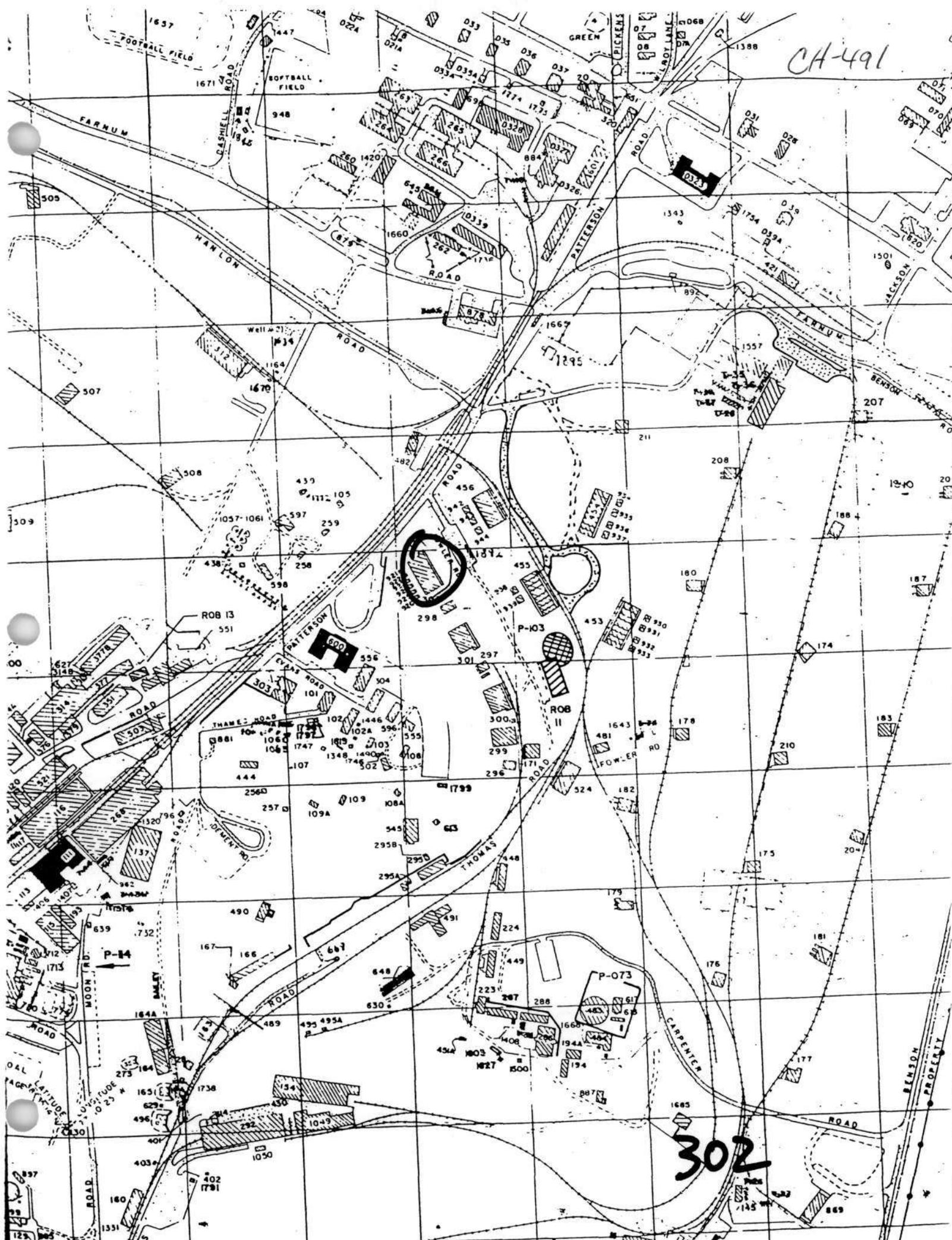
Building 302 Indian Head NSWC

Page 2

longer possesses sufficient integrity of historic design or materials to convey its significance with Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

CH-491





MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 303 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 303 is a one-story, rectangular, seven-bay, brick building which adopts a U-shaped ground plan. The building rests on a raised brick foundation, terminating in a hipped roof with wide molded box cornice and entablature. The building features a mix of two-over-two-light and six-over-six-light, double-hung, wood-sash windows. A one-story brick hyphen with a single-light, metal f-frame, glass door doors the U-shaped building. The hyphen terminates in a flat roof.

Building 303 was constructed in 1918 as an office a the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



CH-491

Bldg 303

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, ASSOC.

SE ELEVATION OF OFFICE BUILDING 303

TCP 03.03.03 111111 019U 013

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 310 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

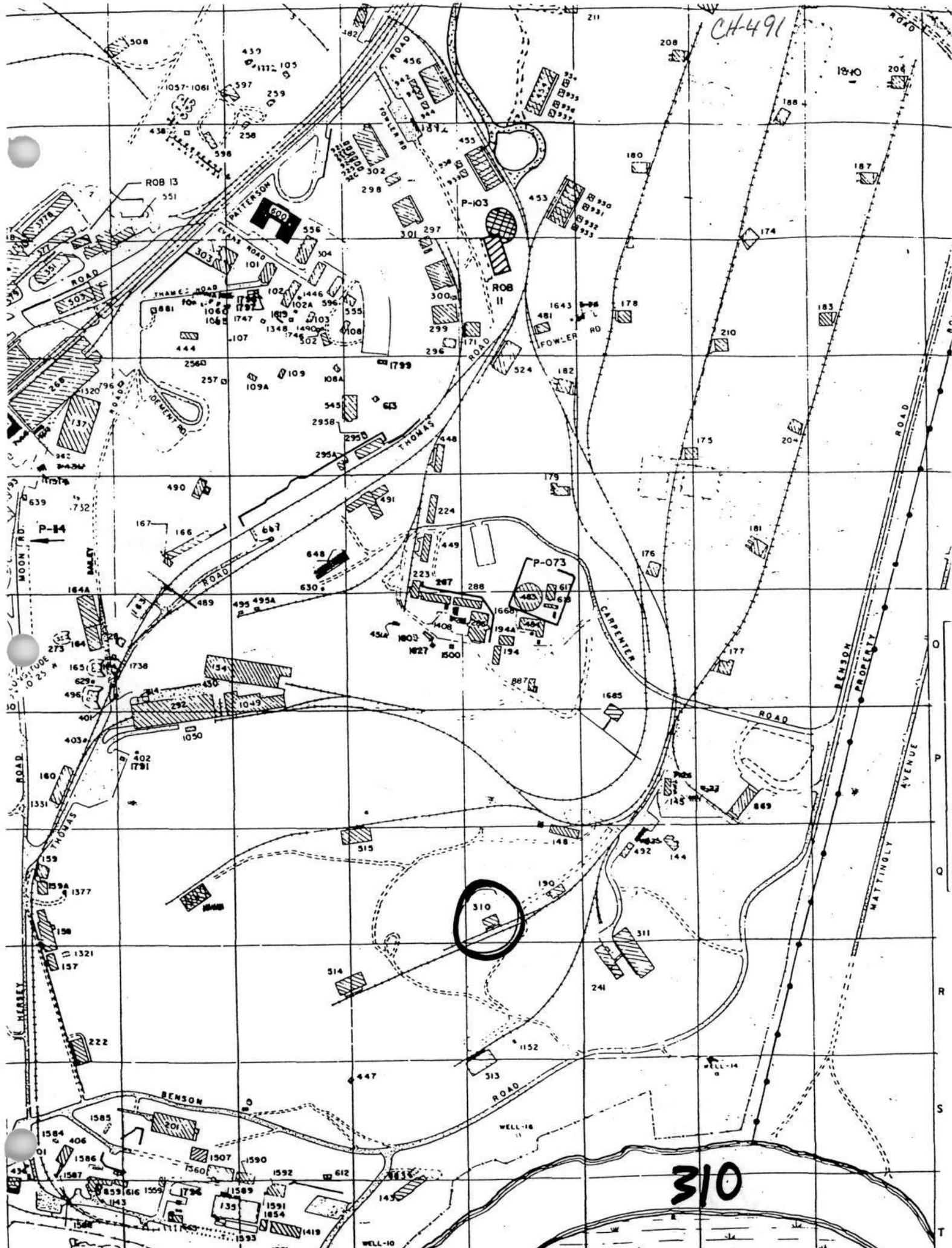
Criteria: ___ A ___ B ___ C ___ D Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 310 is demolished

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended ___ | Eligibility not recommended <u>X</u> |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| _____ Reviewer, Office of Preservation Services | _____ Date |
| <u>J. Rodney Little</u> | <u>July 17, 1998</u> |
| _____ Reviewer, NR Program | _____ Date |



CH-491

ROB I3

ROB II

P-073

310

310

THAMES ROAD

THOMAS ROAD

CARPENTER ROAD

BENSON ROAD

BENSON PROPERTY

MATTINGLY AVENUE

BENSON

WELL-10

WELL-14

WELL-16

WELL-10



CH- 491
Bldg. 310

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

NE ELEVATION OF

TCP 83-87 N11111-03AU 023

FLAMMABLE STORAGE BUILDING

12E, 16

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 439 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 439 is a one-story, one-bay, poured concrete magazine built into a hill. The front elevation exhibits a poured concrete wall with a small blast-proof metal door. A metal flue projects through the earth above. Building 439 possesses integrity of design and materials.

Building 439 was constructed in 1941 as a magazine at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 439 was used as a small arms armory and was not related to the storage of smokeless powder. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

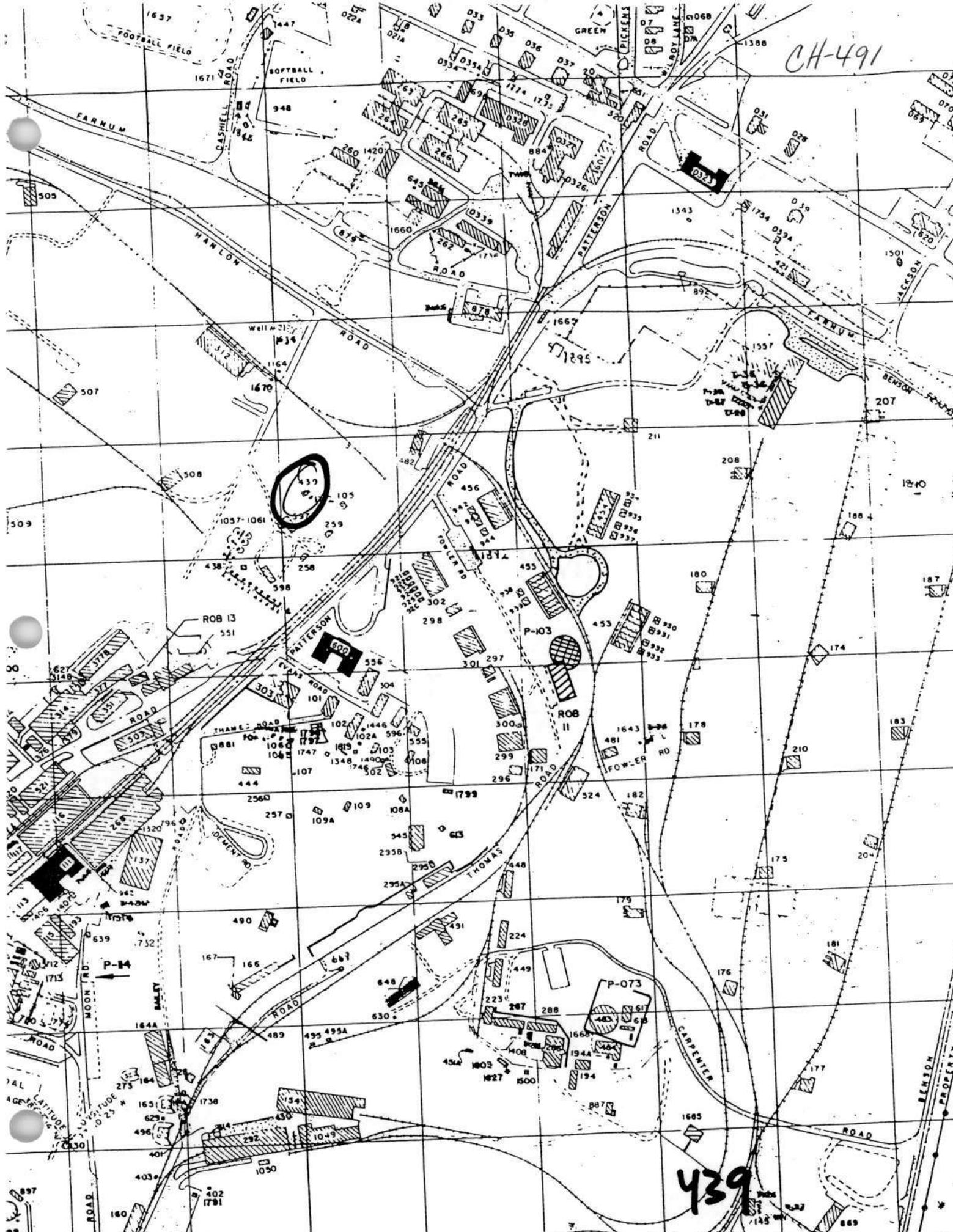
Reviewer, NR Program

Date

July 17, 1998

Date

CH-491



439



CH-491

Bldg. 439

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

N. ELEVATION OF MAGAZINE # 2 CX13

TCF 83-01 111111110000 045

14, 14

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 444 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 444 is a one-story, rectangular, four-bay brick building. The building rests on a poured concrete foundation, terminating in a gable roof clad with asphalt shingles. Three large metal ventilators rise from the roof peak. The building features multiple two and three-light wood doors and four-light awning windows. The building has numerous vents and ductwork extending from the rear (south) and side elevations attached to air condition and filtration units. These units and ducts mask the wall of the building. Numerous windows have been in-filled with plywood and metal ventilators.

Building 444 was constructed as a one-story manufacturing building. Various modifications to the building including the addition of ventilators, ductwork, and compressor units have obscured the original function and historic surfaces and features of this structure. Building 444 non longer possesses integrity of design or materials.

The appearance of Building 444 has been severely altered with addition of numerous HVAC systems. Building 444 was construed in 1941 as a rest paper manufacture laboratory at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 444 no longer possesses sufficient integrity of design or materials to convey its significance with the Naval Powder Factory.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

NR-ELIGIBILITY REVIEW FORM

Inventory Number: CH-491

Building 444 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998



CH-491

Bldg. 4414

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

W ELEVATION OF TEST PAPER MANUFACTURE LABORATORY

TCF 03 01 141111+ 02AU 017

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 447, Well Water Meter House Inventory Number: Contrib. Resource CH-491

Address: Benson Road, north side City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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
Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: RCGA, Inc.
1998 *Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles County, Maryland.* Prepared for Engineering Field Activity-Chesapeake.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The well water meter house, built in 1941, is a 1/2-story, nearly square, poured concrete structure with a gable roof sheathed with corrugated asbestos. The gable ends are clad with wood and tar paper siding. One gable end has a four-light, wood door.

A 1998 architectural survey assessed this property as not eligible for the Indian Head Naval Powder Factory Historic District and classified it category IV (RCGA 1998). Category IV properties do not possess historic importance.

The building bears no direct association with important themes and events embodied by the Naval Proving Ground (Criterion A). Physically, the building does not possess distinctive individual characteristics representative of a type, period, or method of construction (Criterion C). This building does not possess the qualities of significance or integrity for listing in the National Register of Historic Places.

Prepared by: R. Christopher Goodwin & Associates, Inc.

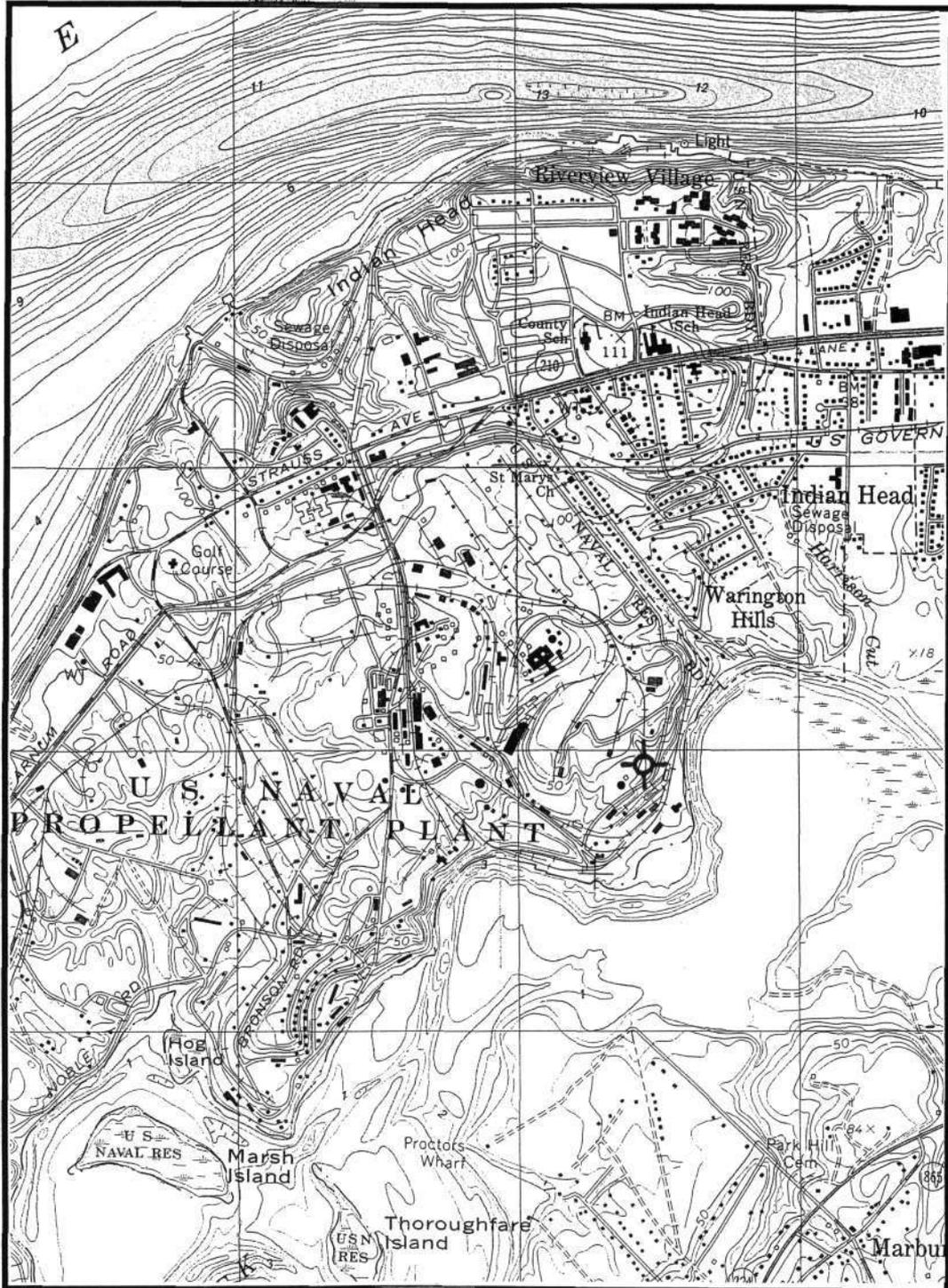
Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|---|--|
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended _____ |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: <u>Contributes to district as per 7/17/98 MHT letter and concurrence by the Navy in a 12/22/98 response.</u> | |
| <u>Janeen Jean Kelly</u> Reviewer, Office of Preservation Services | <u>2/17/04</u> Date |
| <u>Blair</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

Bldg. 447
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





MHP # CH-491
Well Water Meter House
BUILDING 447, NAVAL POWDER FACTORY HISTORIC DISTRICT,

NAVAL SUPPORT FACILITY INDIAN HEAD
CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MDSHPO

SUBJECT: BUILDING 447, SOUTH FACADE

#13/429



MIHP # CH-491
Well Water Meter House
BUILDING 447 NAVAL POWDERFACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISA BIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MDSHPO

SUBJECT: BUILDING 447, NORTH FACADE

#2/1/41



MIHP # CH-491
Well Water Meter House
BUILDING 447, NAVAL POWDER FACTORY HISTORIC DISTRICT,
NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

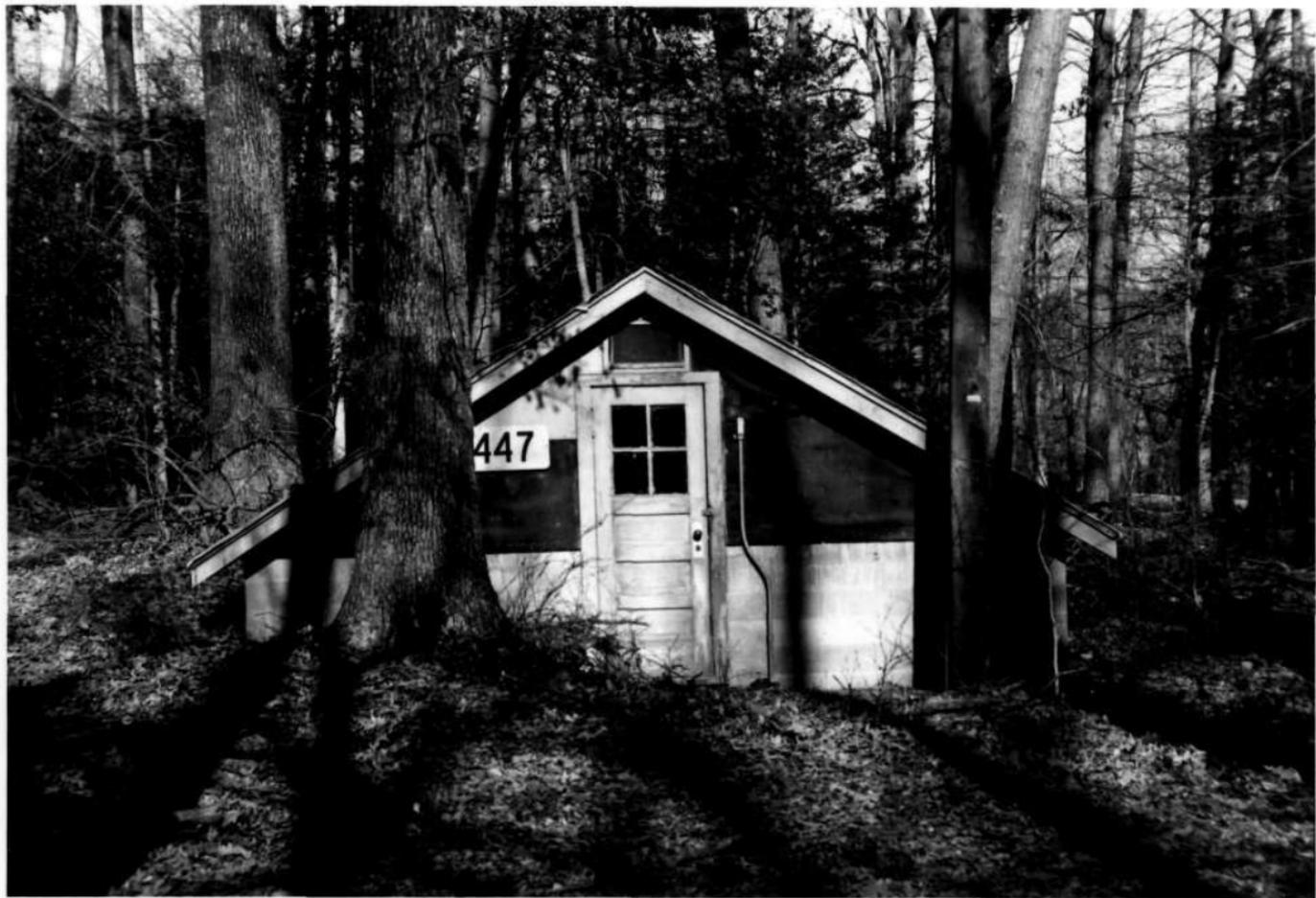
PHOTOGRAPH BY LISA BIDDLE

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT: BUILDING 447, EAST FACADE

#3/49



MHP# CH-491
Well Water Meter House
BUILDING 447, NAVAL POWDER FACTORY HISTORIC DISTRICT,

NAVAL SUPPORT FACILITY INDIAN HEAD

CHARLES COUNTY, MARYLAND

PHOTOGRAPH BY: LISABIDDLE (ERG)

MARCH 7, 2006

LOCATION OF NEGATIVES: MD SHPO

SUBJECT: BUILDING 447, WEST FACADE

4/49



CH-491

Bldg 447

Charles Co. Md

B. Cleven

6/2003

Md SHPO

Left & Front Elevations, view SE

1 of 1

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 447 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 447 is a one-story, one-bay, poured concrete structure, partially constructed below ground. The building terminates in a front gable roof clad with rolled asphalt tar paper. The primary entrance contains a four-light wood door with raised panels.

Building 447 was constructed in 1941 as a well water meter house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 447 is a minor infrastructure support building. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

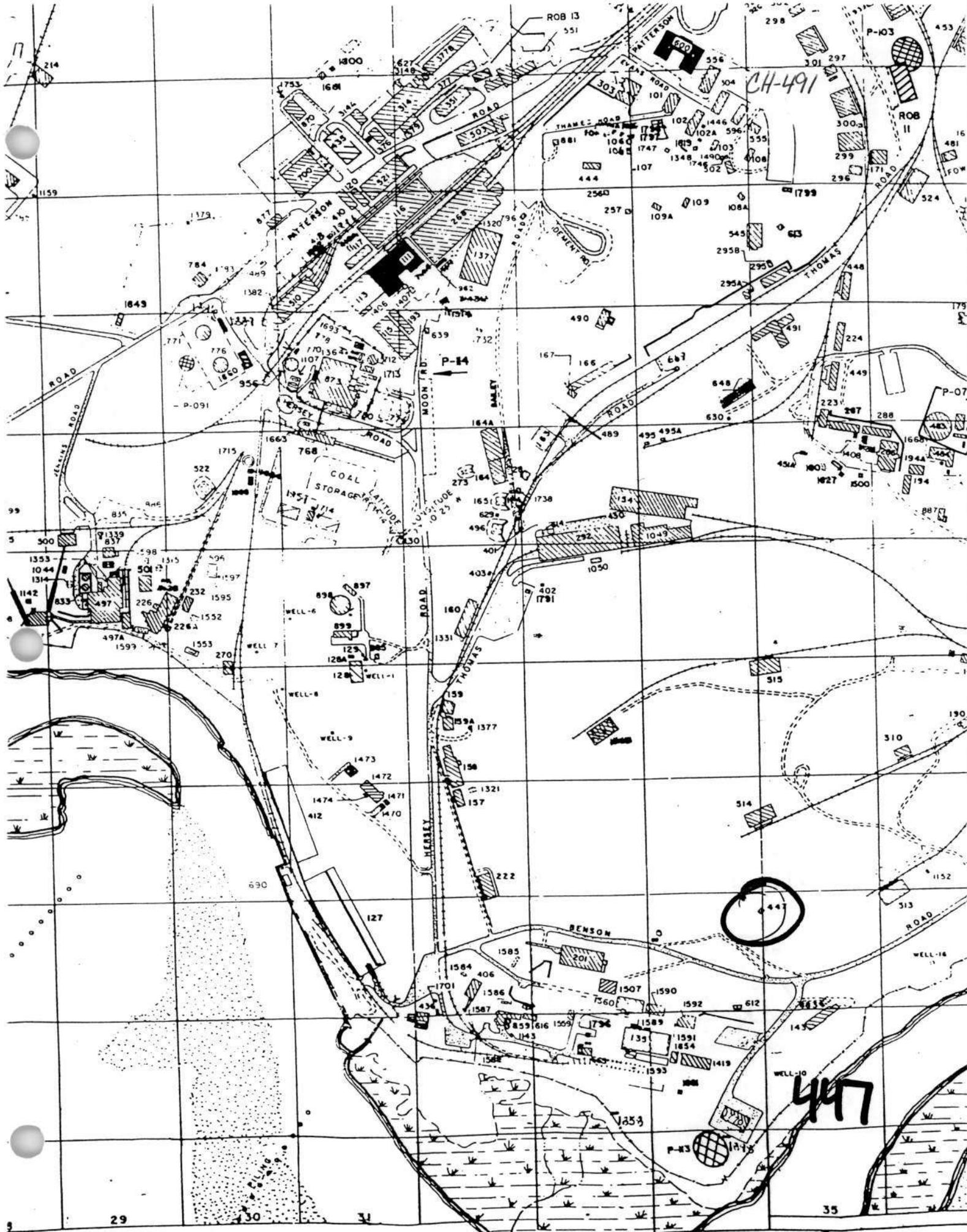
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date





447

CH-491

Bldg 447

CHARLES COUNTY, MD

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

N ELEVATION OF WELL WATER METER HOUSE

TCF 03-00 111111-RCRU 047

1715

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 448 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 448 is a one-story, rectangular, two-bay, woo-frame structure clad with corrugated transite panels. The building rests on a poured concrete foundation, terminating in a corrugated metal gable roof with three circular metal ventilators. The building features a pair of replacement metal double doors on the front (south) elevation. A concrete-slab loading platform on concrete piers is located on the south elevation of the structure. Building 448 is identical to Building 449.

Building 448 was constructed in 1941 as a storehouse at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 448 was constructed for use as a general storehouse not directly associated with smokeless powder production. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

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| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |



CH-491

Bldg. 448

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

E ELEVATION OF STOREHOUSE

TCP 83:08 MINUTE 1990 047

12,4

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 449 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

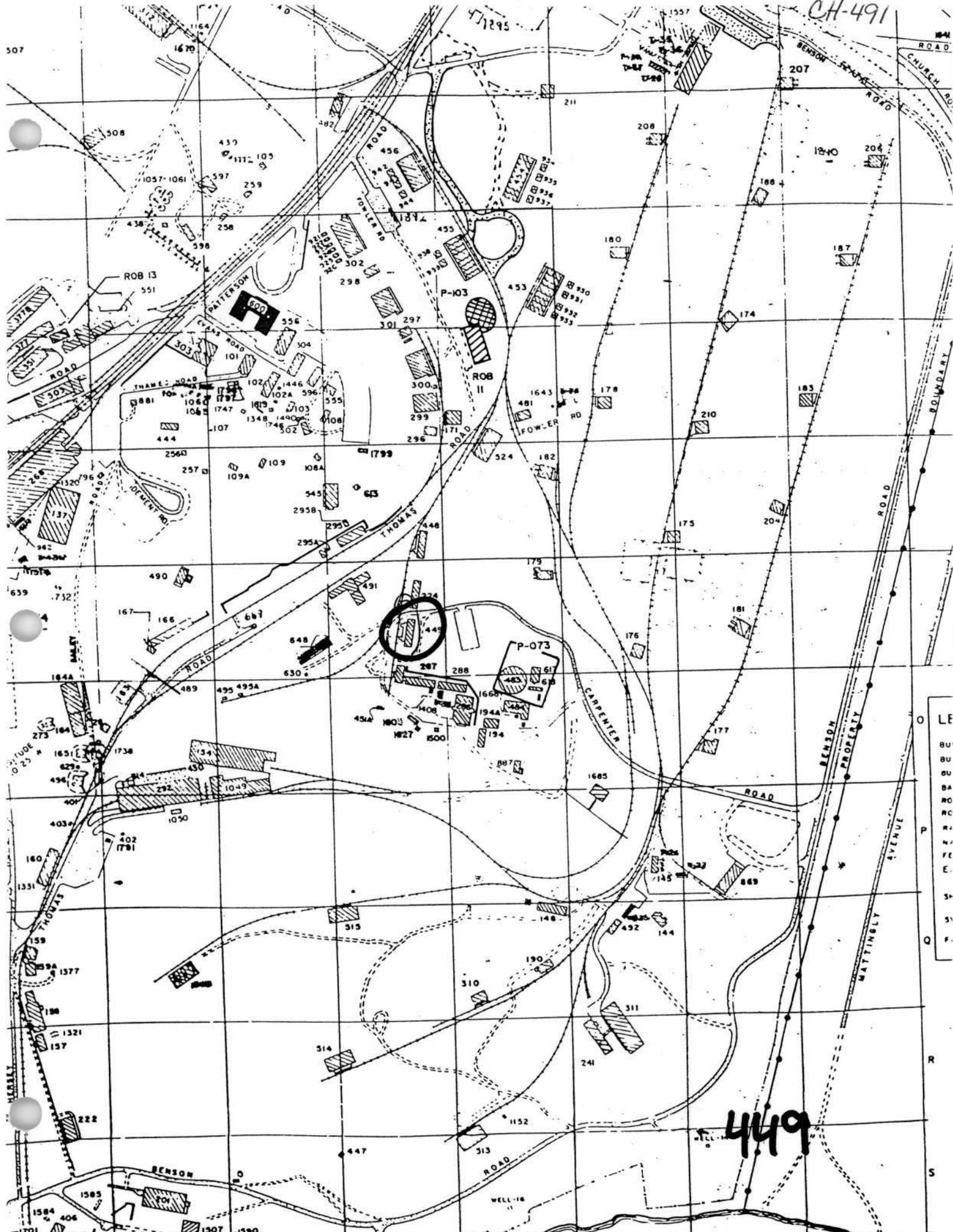
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 449 is a one-story, rectangular, two-bay, woo-frame structure clad with corrugated transite panels. The building rests on a poured concrete foundation, terminating in a corrugated metal gable roof with three circular metal ventilators. The building features a pair of replacement metal double doors on the front (south) elevation. A concrete-slab loading platform on concrete piers is located on the south elevation of the structure. Building 449 is identical to Building 448.

Building 449 was constructed in 1941 as a storehouse at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 449 was constructed for use as a general storehouse not directly associated with smokeless powder production. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

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|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments | |
| Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services | Date |
| <u>J. Rodney Little</u> | <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |

CH-491



449

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CH-491

BLDG 449

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

NE ELEVATION OF STOREHOUSE

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 451A Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

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

Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 451A is a one-story, rectangular, one-bay, brick structure. The building rests on a poured concrete foundation, terminating in an asphalt-shingle, shed roof. The building features a single three-light wood door on the front (west) elevation. Two, six-over-three light, metal-sash, hopper windows are located on the side elevations. A metal transformer and utility poles are located to the rear of the structure.

Building 451A was constructed in 1941 as an electrical switch at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

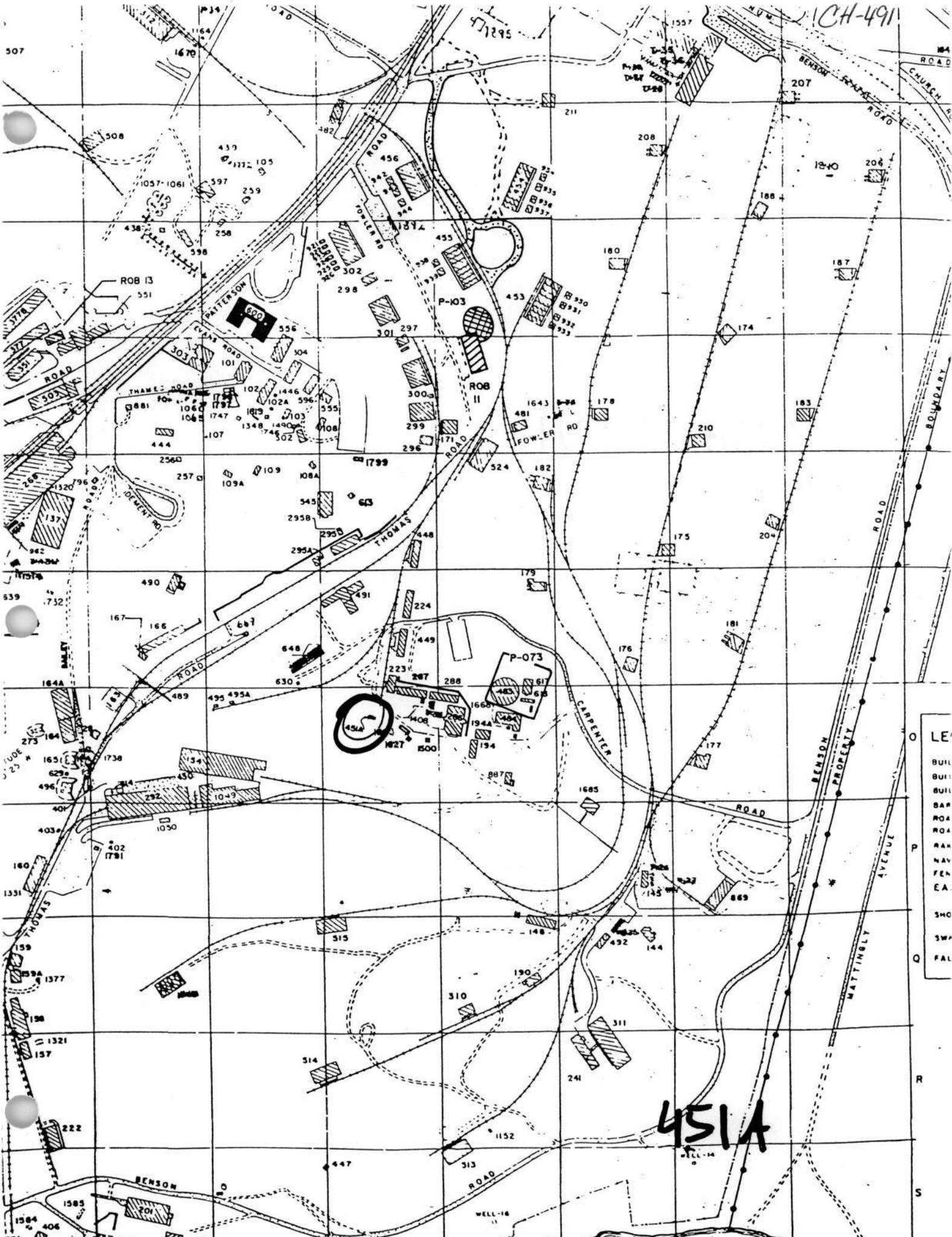
Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW
Eligibility recommended Eligibility not recommended
Criteria: A B C D Considerations: A B C D E F G None
MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services Date
J. Rodney Little July 17, 1998

Reviewer, NR Program Date

CH-491



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- BUIL
- BAR
- ROA
- ROA
- RAK
- NAV
- FEN
- EA
- SHO
- SWA
- Q
- FAL

451A



CH-491

Bldg 451A

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

SE ELEVATION OF SWITCH HOUSE

TCF 83-02 MINIMUM 047

17.12

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes X
no

Property Name: Building 454 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no yes Name: _____ Date: _____
Is the property is located within a historic district? X yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes X no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 454 is a two-story, rectangular, eight-bay brick building. The building rests on a poured concrete foundation, terminating in an asphalt-shingled gable roof. A metal walkway is located on the second floor level of the rear (south) elevation. The building features replacement metal double doors on the first floor level. All the doors and windows on the second floor level have been in-filled. The original shed roof has been replaced with a gable roof. The interior of the building has been converted for storage. Modifications have removed virtually all character defining features of this building and it no longer possesses integrity of design or materials.

Building 454 was constructed in 1941 as a solvent recovery house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 454 has been significantly altered and no longer possesses sufficient integrity of design or materials to convey its significance with the Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended X Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

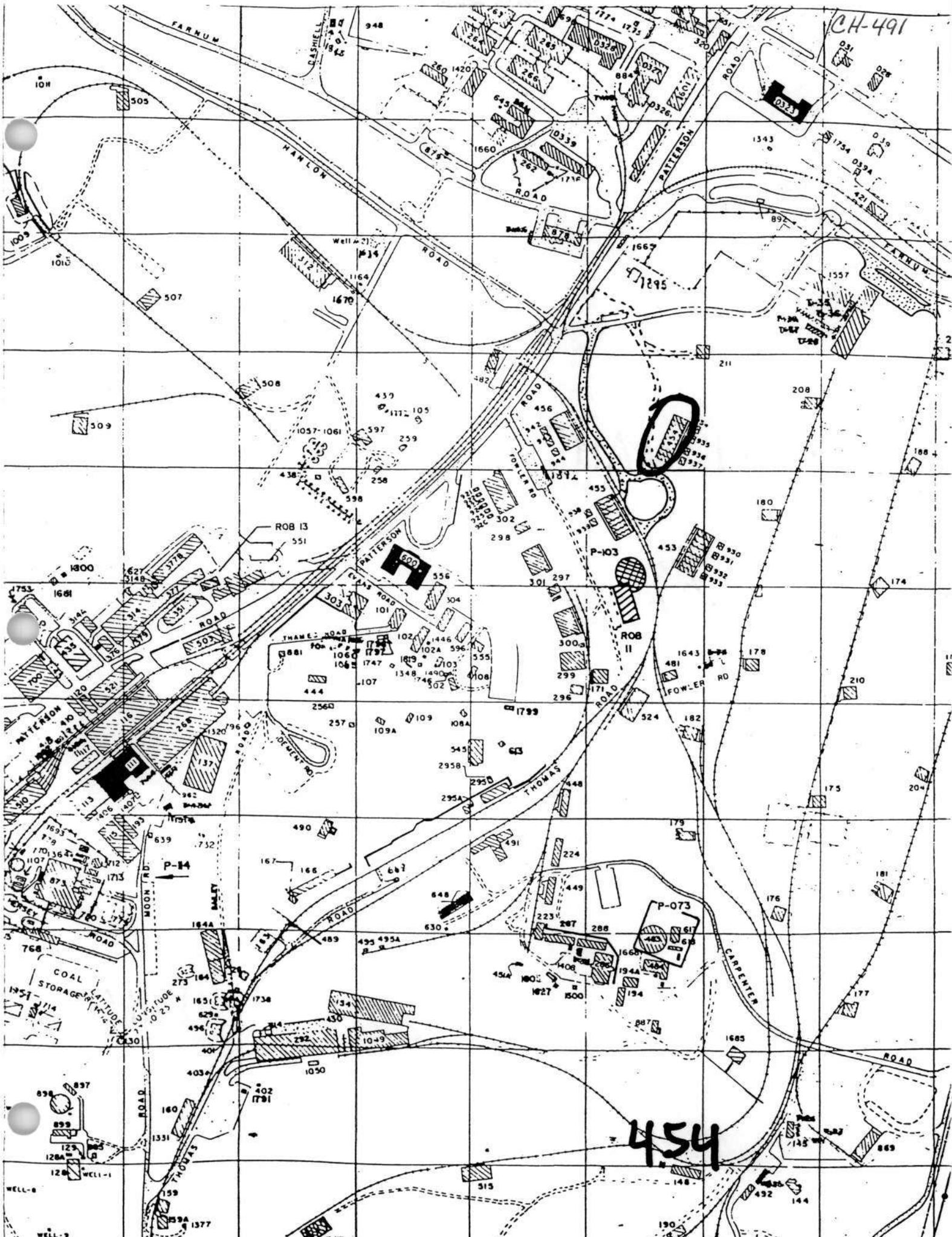
Reviewer, NR Program

Date

July 17, 1998

Date

CH-491



454



454

CH-491

Bldg. 454

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

ELEVATION OF FLAMMABLE STORAGE BUILDING

TCF 83-01 11111112AU 845

14, 23

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 455 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

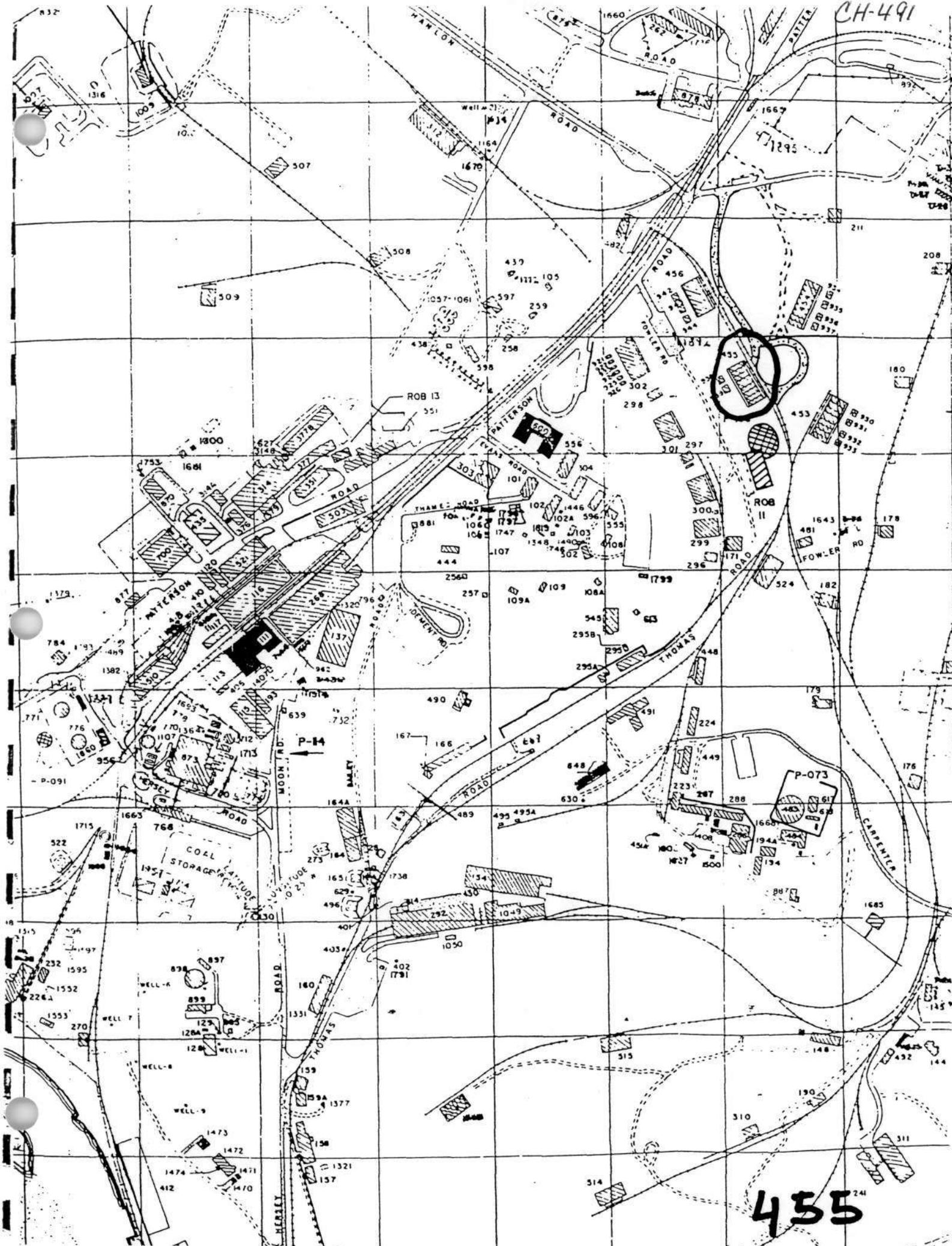
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 455 is a two-story, rectangular, eight-bay, brick building. The building rests on a poured concrete foundation, and terminates in an asphalt-shingled gable roof. A metal walkway is located on the second floor level of the rear (south) elevation. The building features replacement metal double doors on the first floor level. All the doors and windows on the second floor level have been in-filled. The original shed roof has been replaced with gable roof. The interior of the building has been converted for storage. Modifications have removed virtually all character defining features of this building and it no longer possesses integrity of design or materials.

Building 455 was constructed in 1941 as a solvent recovery house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 455 has been significantly altered and no longer possesses sufficient integrity of design or materials to convey its significance with the Naval Powder Factory.

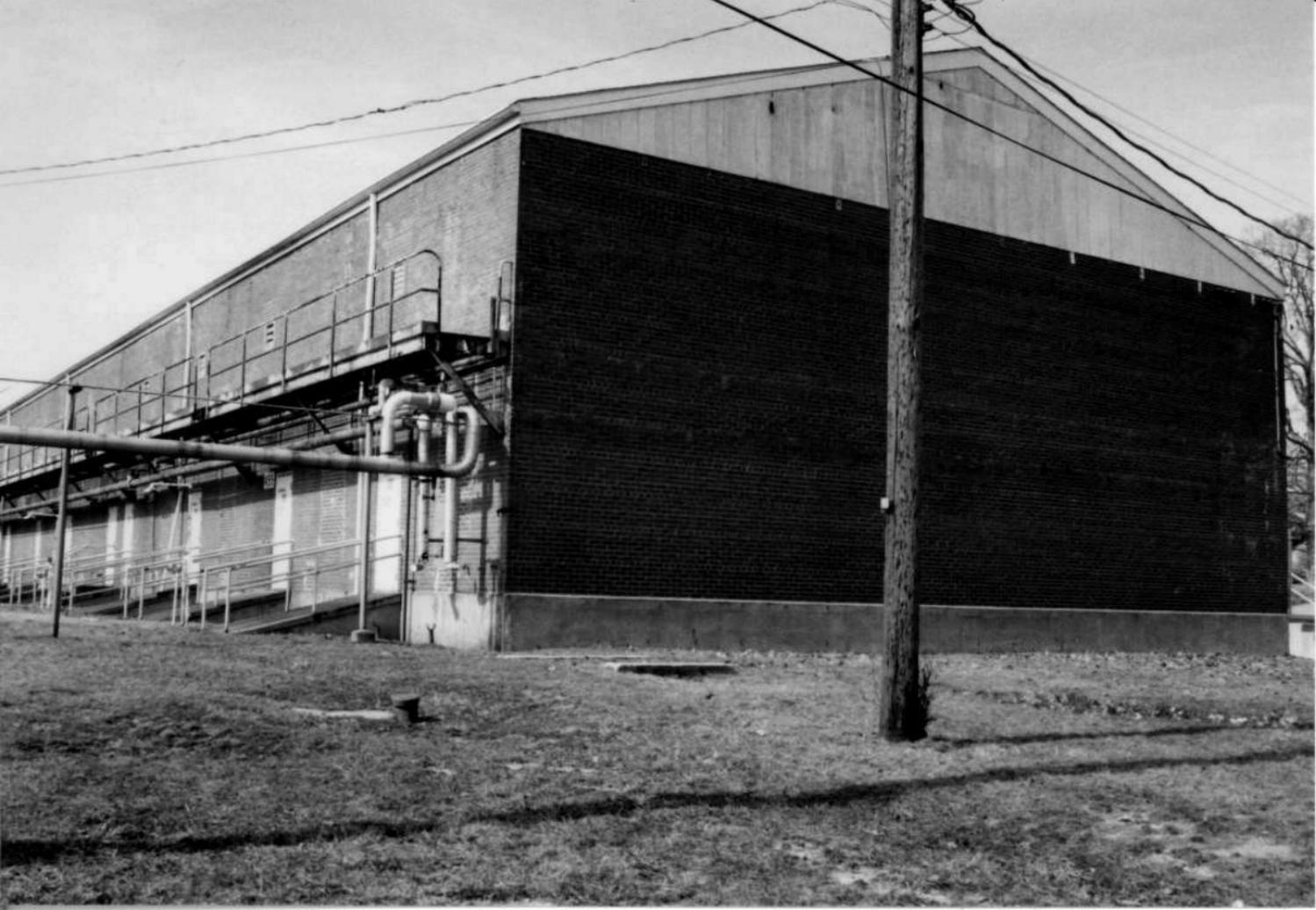
Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|--|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended ___ | Eligibility not recommended <u>X</u> |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services <u>J. Rodney Little</u> | Date <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |

CH-491



455



CH-491

Blg. 455

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

ELEVATION OF HAZARDOUS WASTE STOREHOUSE

TCF 83 07 HHHHH:03AU 045

14, 21

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 456 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

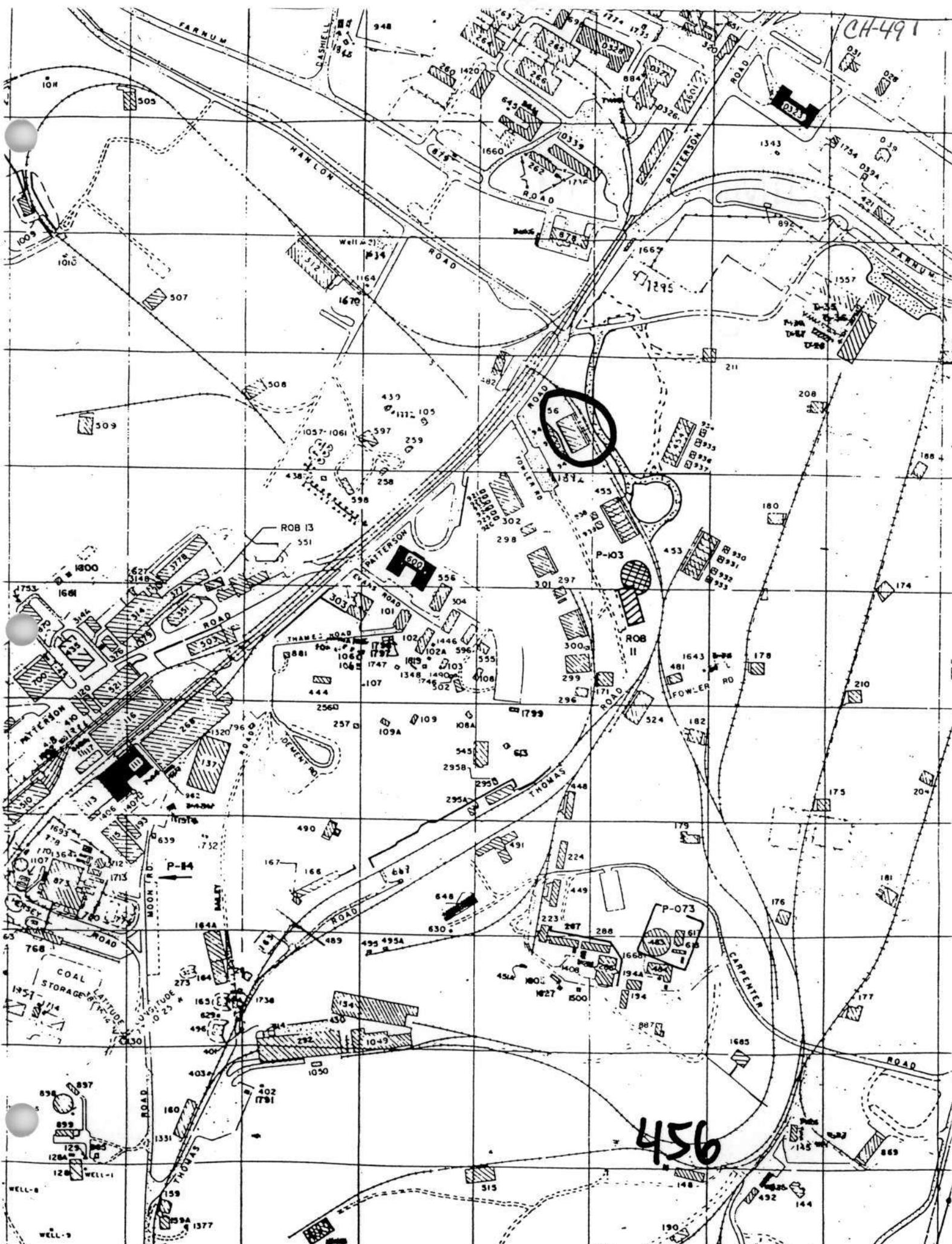
Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Building 456 is a two-story, rectangular, eight-bay, brick building. The building rests on a poured concrete foundation, and terminates in an asphalt-shingle gable roof. A two-story, wood-frame, shed-roofed porch is located on the front (north)elevation. A metal walkway is located on the second floor level of the rear (south) elevation. The building features replacement metal double doors and replacement one-over-one-light, double-hung, metal-sash windows on the first and second floor levels. The original shed roof has been replaced with a gable roof. The building currently is used as an electrical fabrications building. Modifications have removed virtually all character defining features of this building and it no longer possesses integrity of design or materials.

Building 456 was constructed in 1941 as a solvent recovery house at Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 456 has been significantly altered and no longer possesses sufficient integrity of design, materials, feeling, and association to convey its significance with the Naval Powder Factory.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended ___ | Eligibility not recommended <u>X</u> |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| _____ Reviewer, Office of Preservation Services | _____ Date |
| <u>J. Rodney Little</u> | <u>July 17, 1998</u> |
| _____ Reviewer, NR Program | _____ Date |

CH-491



456

FARNUM

HAWLON

PATTERSON

THOMAS

CARENER

COAL STORAGE

WELL-8
WELL-9

ROB I

ROB II

P-I03

P-073

WATER

P-I4

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WELL-9

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CH-491

Bldg. 456

CHARLES COUNTY, MARYLAND TCF 83-81 NNNNN 11AU 045

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

N ELEVATION OF ELECTRICAL FABRICATIONS OFFICE BUILDING

14,12

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes ___
no X

Property Name: Building 482 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? ___ yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

Site visit by MHT staff: X no ___ yes Name: _____ Date: _____

Is the property is located within a historic district? X yes ___ no

| | |
|---|---|
| <i>If the property is within a district</i> | District Inventory Number: <u>CH-491</u> |
| NR-listed district ___ yes | Eligible district <u>X</u> yes Name of District: <u>Indian Head Naval Powder Factory HD</u> |
| Preparer's Recommendation: Contributing resource ___ yes <u>X</u> no Non-contributing but eligible in another context ___ yes | |

| | |
|---|--|
| <i>If the property is not within a district (or the property is a district)</i> | Preparer's Recommendation: Eligible ___ yes ___ no |
|---|--|

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 482 is a two-story, rectangular, six-bay, brick building. The building rests on a poured concrete foundation and terminates in an asphalt-shingled gable roof. The walls have been covered with stucco. The building features replacement metal double doors and replacement one-by-one-light, sliding-track, metal-sash windows. A two-story, concrete-block addition with asphalt-shingled gable roof is appended to the west gable end of the building.

Building 482 was constructed as a rectangular powder-picking house. The building currently is used as Safety Office Building. It includes the wholesale replacement of all original doors and windows. The exterior walls have been covered in stucco and a concrete masonry unit addition has been added to the west elevation. These modifications have removed or obscured character defining features and surfaces of the building and it no longer possesses integrity of design or materials.

Building 482 was constructed in 1941 as a powder-picking house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 482 has been significantly altered and no longer possesses sufficient integrity of design or materials to convey its significance with the Naval Powder Factory.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

Building 482 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

Date

J. Rodney Little

July 17, 1998

Reviewer, NR Program

Date

SAFETY +

492

78 75A

CH-491

Bldg. 482

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SW ELEVATION OF SAFETY OFFICE BUILDING

TCF 83.04 111111+RCRU 812

1713

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Facility 489 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

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

Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Facility 489 is an elevated steel frame steam pipe bridge. Five steel frame piers support the structure.

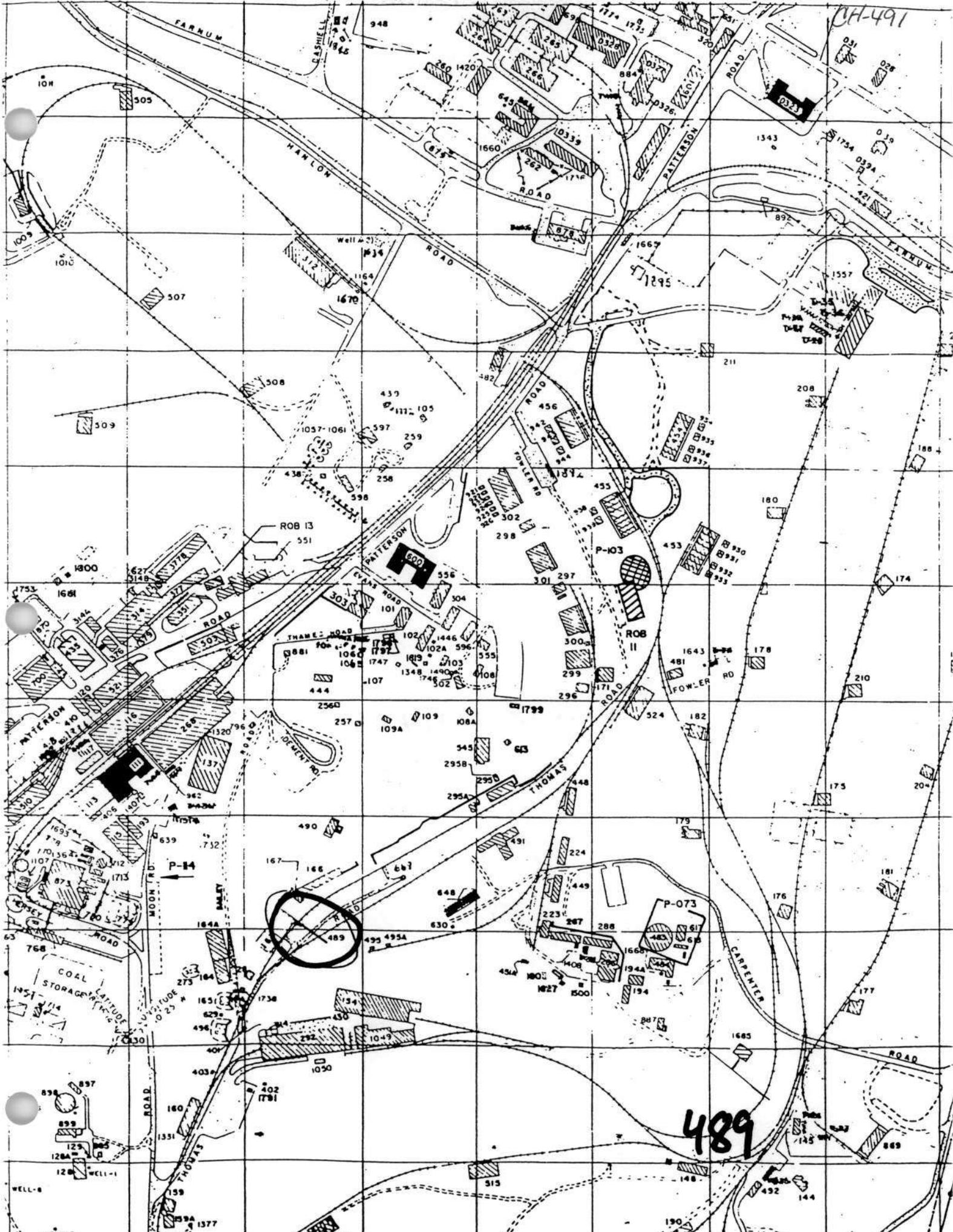
Facility 489 was constructed in 1941 as a steam pipe bridge for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW
Eligibility recommended Eligibility not recommended
Criteria: A B C D Considerations: A B C D E F G None
MHT Comments
Documentation reviewed by Lauren Bowlin.

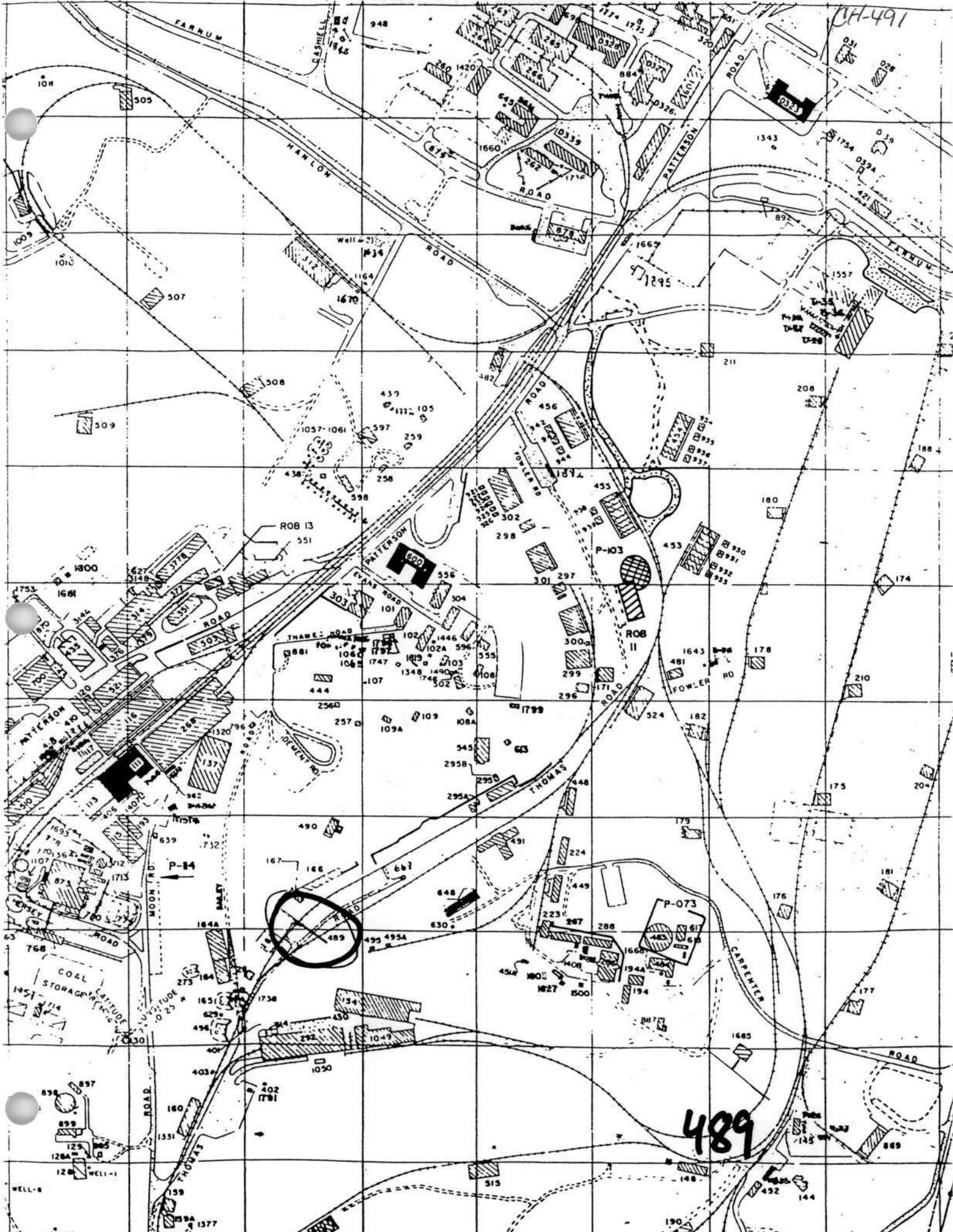
Reviewer, Office of Preservation Services Date
J. Rodney Little July 17, 1998

Reviewer, NR Program Date



BH-491

489





CH-491

Bldg 489

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

S VIEW OF STEAM PIPE BRIDGE

TCF 83-02 11111111 0490 047



MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 490 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 490 is a two-story, L-shaped, wood-frame building raised on a concrete block foundation. The building is six bays wide and six bays deep and is surmounted by a flat roof with overhanging eaves. The walls are finished with sheet metal panels. The east elevation exhibits a one-story, three-bay, shed roof porch. A metal door with a single light is centrally located on the porch. The building features replacement one-over-one-light, metal-awning sash on the first and second stories.

Building 490 was constructed in 1941 as a supervisor's office. The building currently is used as an engineering office. Building 490 exhibits contemporary changes to all of its windows, doors and wall surfaces. These modifications have removed or obscured character defining features of the building and it no longer possesses integrity of design or materials.

Building 490 was constructed in 1941 as an office at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 490 is a simple utilitarian support building that no longer possesses sufficient integrity of design, materials, feeling, or association to convey its significance with the Naval Powder Factory during the period of significance (1900-1945).

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

Building 490 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998



490

CH-491
Bldg. 490

CHARLES COUNTY, MARYLAND
JOHN MILNER, Assoc.

1995
JOHN MILNER, Assoc.

W ELEVATION OF ENGINEERING OFFICE BUILDING

1733

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes
no

Property Name: Building 491 Indian Head NSWC Inventory Number: CH-491
 Address: _____ City: Indian Head Zip Code: _____
 County: Charles USGS Topographic Map: Indian Head
 Owner: U.S. Navy Is the property being evaluated a district? yes
 Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
 Project: _____ Agency: U.S. Navy
 Site visit by MHT staff: no yes Name: _____ Date: _____
 Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
 NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
 Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
 Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
 Building 491 is a one-story, T-shaped, wood-frame and concrete-block building raised on a concrete-block foundation. The building is nineteen bays wide and five bays deep and is surmounted by a side-gabled, corrugated-metal roof with ventilators. The walls are finished with corrugated metal and fiberglass panels. The north elevation exhibits a central, eight-bay, front-gabled block with original four-light, wood-sash hopper windows. All other windows have been replaced within-over-one-light, double hung, metal-sash units. The building contains multiple entrances that feature metal fire door replacement units. One-story, gabled-roof, concrete-block additions have been added to the north and west elevations.

Building 491 was constructed in 1941 as a change house. The building currently is used as an electromechanical remover building. Building 491 exhibits select modifications to its windows, siding, and doors.

Building 419 was constructed in 1941 as a change house at the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

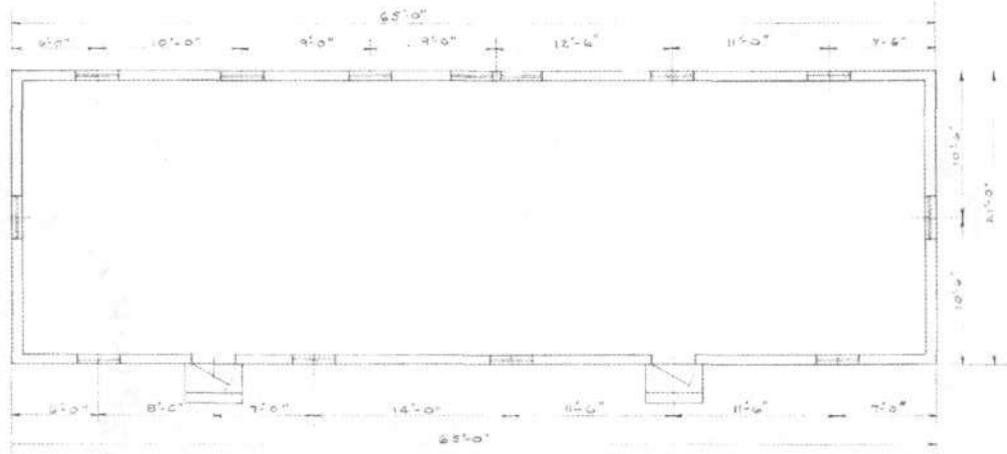
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| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended <input checked="" type="checkbox"/> | Eligibility not recommended <input type="checkbox"/> |
| Criteria: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| MHT Comments | |
| Documentation reviewed by Lauren Bowlin. | |
| Reviewer, Office of Preservation Services | Date |
| <u>J. Rodney Little</u> | <u>July 17, 1998</u> |
| Reviewer, NR Program | Date |

Building 491 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998



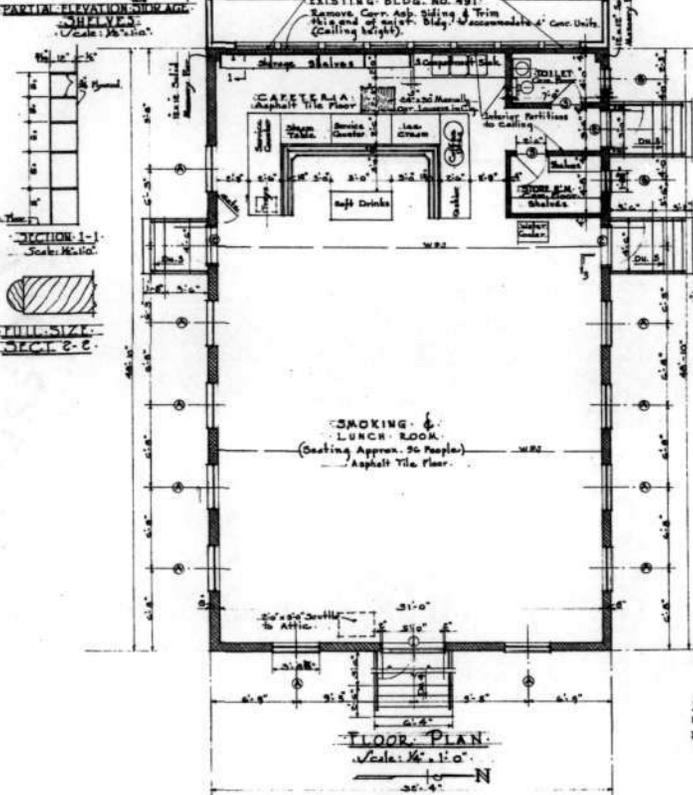
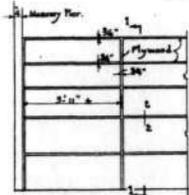
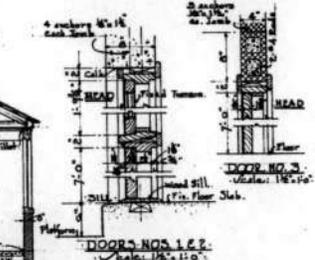
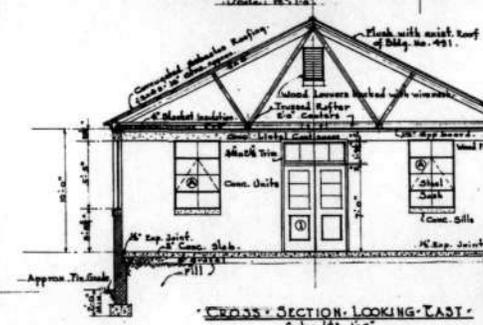
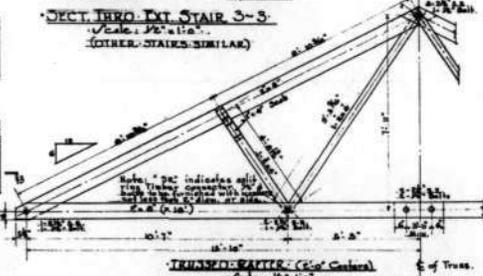
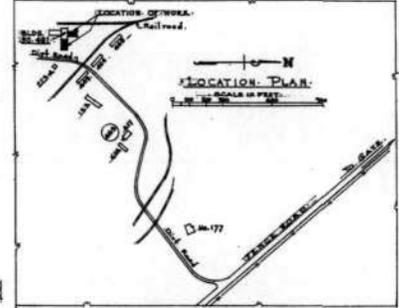
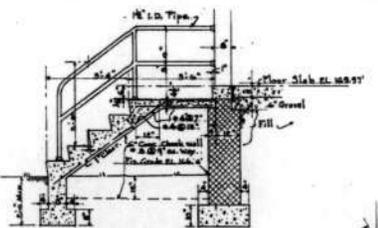
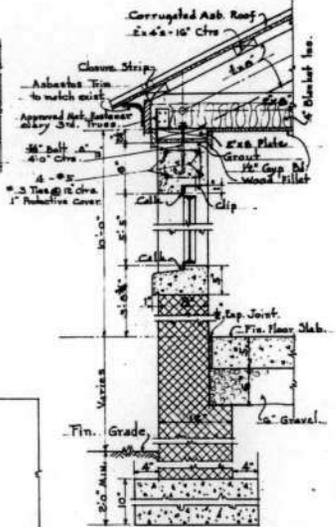
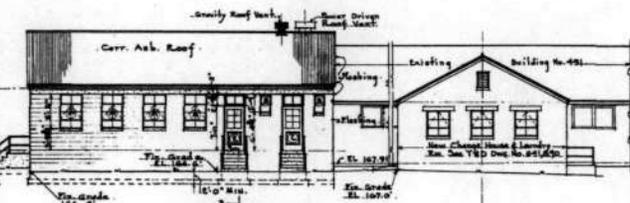
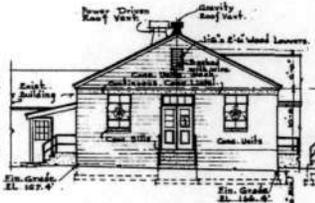
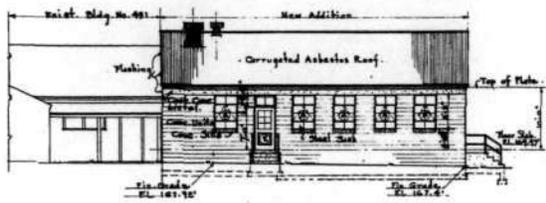
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| REVISION 97 | | | |
| REVISION 98 | | | |
| REVISION 99 | | | |
| REVISION 100 | | | |

NAVAL POWDER FACTORY
HUMAN HEAD, MG

CHANGE HOUSE
BLDG 491
FORMING HOUSE

APPROVED
DATE: 10-10-50
SCALE: 1/8"=1'-0" NO. 3205

CH-491



LEGEND:
 [Symbol] Concrete Units.
 [Symbol] Concrete.

LEGEND:
 [Symbol] Concrete Units.
 [Symbol] Concrete.



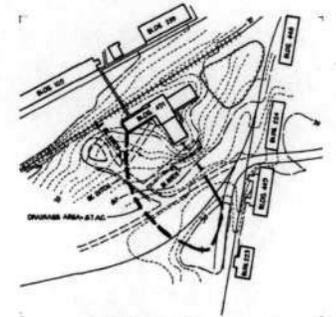
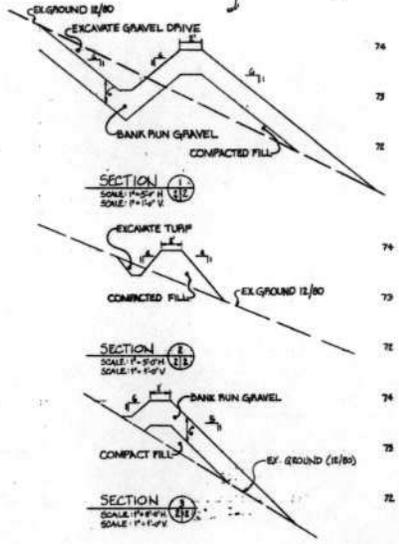
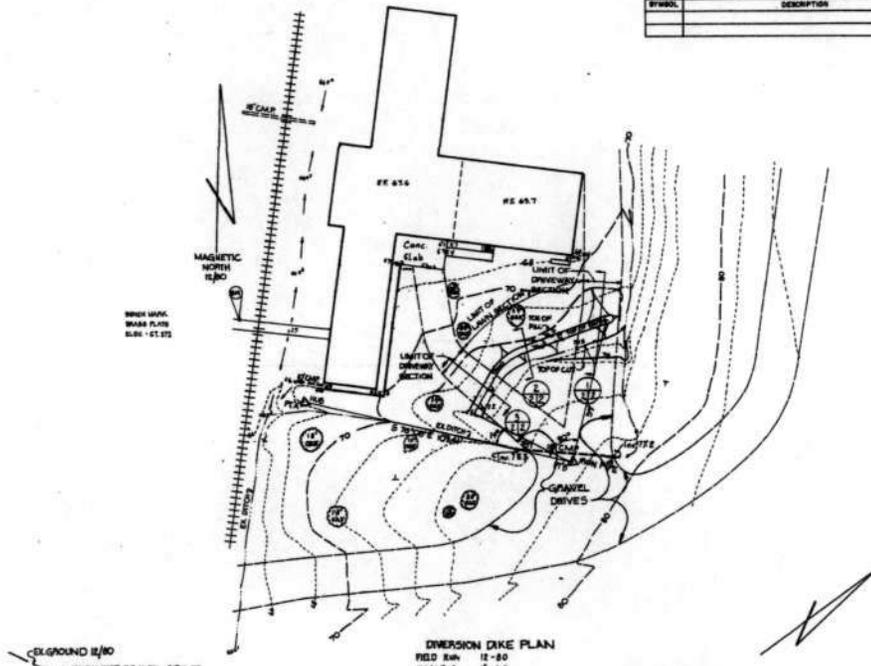
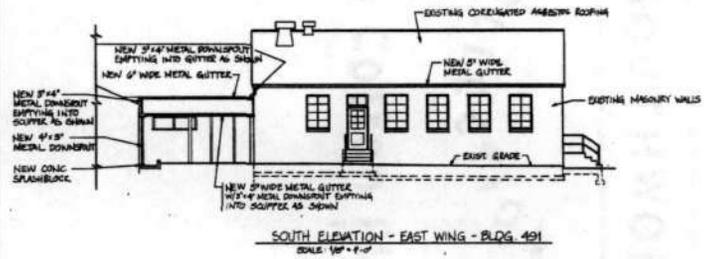
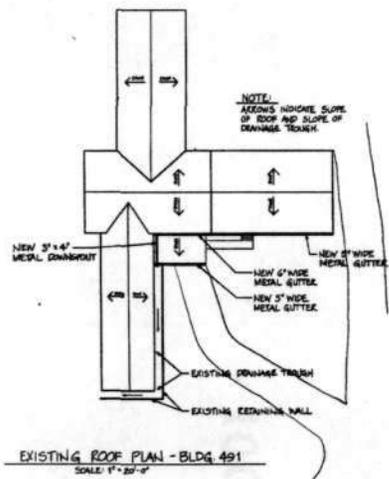
Structural Notes:
 Design data: Roof LL = 30 Pcf.
 Structural Lumber - 1400f.
 E = 1,600,000 w/a
 Concrete - 2500 w/a Class D-1
 Provide 1/2" diameter at mid point of each chord of trusses.

RECORD DRAWING
 SHEET OF _____
 SEE LETTER NO. Y DATED _____

| DATE | REVISIONS | DATE | APPROVAL |
|-------|---|------|----------|
| 32848 | DEPARTMENT OF THE NAVY DISTRICT PUBLIC WORKS OFFICE PITTSBURGH, PENN. NAVY COMMAND | | |
| | BUREAU OF YARDS & DOCKS DISTRICT PUBLIC WORKS OFFICE PITTSBURGH, PENN. NAVY COMMAND | | |
| | NAVAL POWDER FACTORY INDIAN HEAD, M.D. | | |
| | ADDITIONS TO BUILDING NO. 491 SMOKING & LUNCH ROOM PLANS, ELEVATIONS & SECTIONS | | |
| | APPROVED: [Signature] | | |
| | SATISFACTORY TO: [Signature] | | |
| | DATE: 1-10-44 | | |
| | NO. 48668 | | |
| | Y & D DRAWING NO. 241, 889 | | |

CH-491

| REVISIONS | | DATE | APPROVAL |
|-----------|--|------|----------|
| | | | |
| | | | |



AS - BUILT DRAWING

SIGNATURE

DATE

| | | | |
|--|--------------------|---------------------|--|
| DESIGNED BY: BROOKHURST ASSOC. INC. 1415 W. 10TH ST. ANNAPOLIS, MD. 21403 | DATE: 12/80 | PROJECT NO.: 319010 | DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND INDIAN HEAD, MD. |
| DRAWN BY: BROOKHURST ASSOC. INC. 1415 W. 10TH ST. ANNAPOLIS, MD. 21403 | DATE: 12/80 | PROJECT NO.: 319010 | ALTER NAVAL ORDNANCE DEVELOPMENT & ASSEMBLY FACILITIES INDIAN HEAD, MD. |
| CHECKED BY: BROOKHURST ASSOC. INC. 1415 W. 10TH ST. ANNAPOLIS, MD. 21403 | DATE: 12/80 | PROJECT NO.: 319010 | SITE DRAINAGE & SITE IMPROVEMENT - BLDG. 491 |
| APPROVED BY: BROOKHURST ASSOC. INC. 1415 W. 10TH ST. ANNAPOLIS, MD. 21403 | DATE: 12/80 | PROJECT NO.: 319010 | DESIGN CODE: A. PDSM C. STTP, IAT |
| DATE: 12/80 | SCALE: 1" = 1'-00" | SCALE: 1" = 1'-00" | SIZE CODE (SHEET NO.) NAVFAC DRAWING NO. F 80091 319010 |
| DATE: 12/80 | SCALE: 1" = 1'-00" | SCALE: 1" = 1'-00" | CONTRACT NO. (NAVFAC) DD-C-709 SCALE AS NOTED (SHEET NO.) SHEET 8 OF 15 |

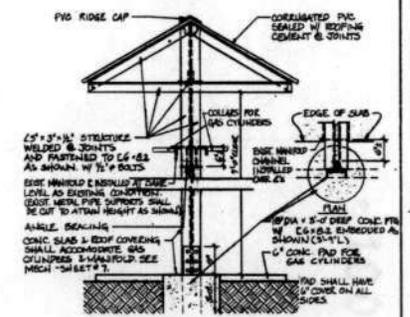
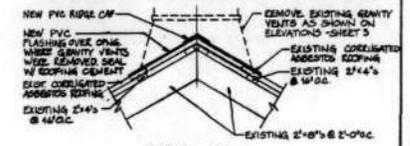
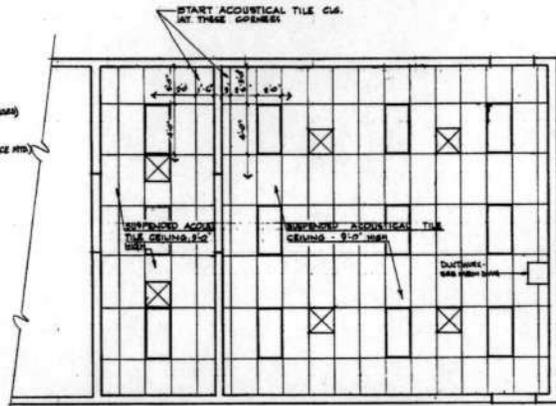
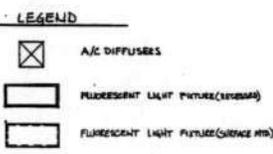
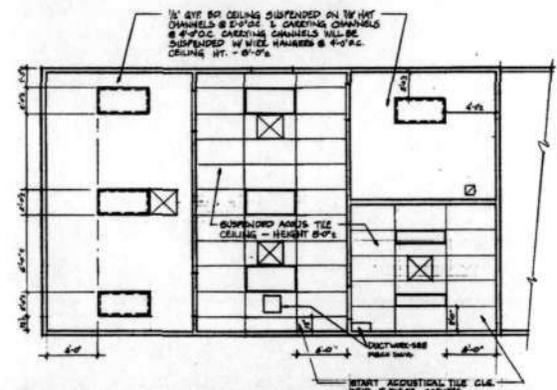
FINAL: CHECK-CHECK RESUBMITAL JULY 9, 1981

167-491

AS - BUILT DRAWING

Signature: [Signature] DATE: [Date]

| SYMBOL | DESCRIPTION | DATE | APPROVAL |
|--------|-------------|------|----------|
| | | | |



REFLECTED CLG PLAN BLDG. #491 (SOUTH WING) SCALE: 1/8"=1'-0

REFLECTED CLG PLAN BLDG. #491 (NORTH WING) SCALE: 1/8"=1'-0

FINISH SCHEDULE

| ROOM | FLOOR | BASE | NORTH WALL | EAST WALL | SOUTH WALL | WEST WALL | C/G | REMARKS |
|------|-------|------------|------------|------------|------------|------------|--------|---------------------------------|
| 491 | 5th | EXISTING | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80 | |
| 491 | 5th | EXISTING | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | SAT | |
| 491 | 5th | EXISTING | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80 | 1/2" VOB IN TOILET ROOM ONLY |
| 491 | 5th | EXISTING | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | SAT | REPAIR NORTH WALL WHERE DAMAGED |
| 544 | 5th | CONDUCTIVE | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80 | |
| 544 | 5th | CONDUCTIVE | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80-PTD | QTF 80 | |

EQUIPMENT SCHEDULE

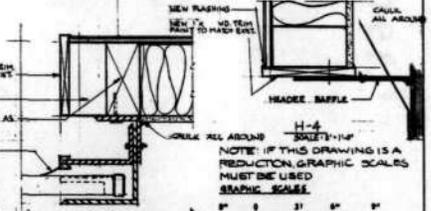
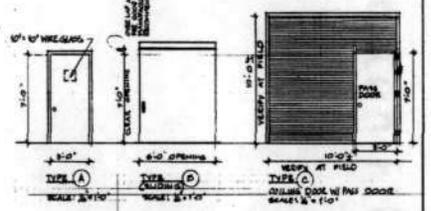
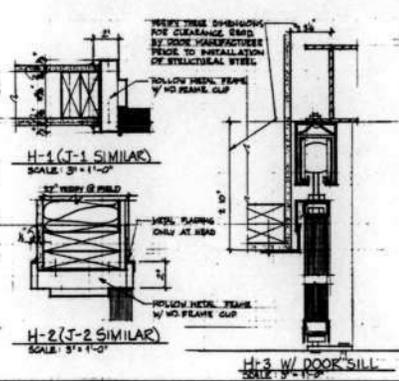
| REFERENCE # | EQUIPMENT | MODEL/MFG. | MOVED FROM | MOVED TO | REMARKS |
|-------------|---------------------------------|-----------------|----------------------------|---|---|
| 1 | NOT USED | | | | |
| 2 | NOT USED | | | | |
| 3 | PIPE WOOD W/ SINK & EXHAUST FAN | | BUILDING 718 | SOUTH WING OF BLDG. 491 | SEE MECHANICAL DRAWINGS FOR REQ. PLUMBING & EXHAUST CONNECTIONS |
| 4 | LATHES | POWERMATIC | | | SECURED TO FLOOR W/ NEW ANCHORS SOUTH SIDE & LOCATION TO MATCH ORIGINAL INSTALLATION |
| 5 | MILLING MACHINE | MEGAFORT | | | SEE LOCATION TO MATCH ORIGINAL INSTALLATION |
| 6 | NOT USED | | | | |
| 7 | THEODOLITE | MODEL 1-1172 | BUILDING 718 | SOUTH WING OF BLDG. 491 | SECURED TO FLOOR W/ NEW EXP. BOLTS - SEE LOCATION TO MATCH ORIGINAL INSTALLATION |
| 8 | DRILL PRESS | POWERMATIC | NORTH WING OF BUILDING 491 | NORTH WING OF BUILDING 491 | SECURE THE DRILL PRESS OVER EXIST. WORKBENCH IN N. WING |
| 9 | NOT USED | | | | |
| 10 | SAND SAW | DETAIL MODEL ML | BUILDING 718 | NORTH WING OF BUILDING 491 | SECURED TO FLOOR W/ NEW EXP. BOLTS - SEE LOCATION TO MATCH ORIGINAL INSTALLATION |
| 11 | NOT USED | | | | |
| 12 | LATHES | PIVETT | BUILDING 718 | NORTH WING OF BLDG. 491 | DECIDED TO FLOOR STUB W/ NEW EXP. BOLTS - SEE LOCATION TO MATCH ORIGINAL INSTALLATION |
| 13 | LATHES | HARDINGE | | | |
| 14 | NOT USED | | | | |
| 15 | SCOP SQUARE | T-271 | EXISTING IN GYM | N. BUILDING 688 BUILDING 688 BUILDING 688 | LEVEL & INSTALL AS/ MANUFACTURER'S SPEC. |

NOTES:

1. GFCI = GOVERNMENT FURNISHED AND CONTRACTOR INSTALLED (EQUIPMENT)
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION OF ALL EQUIPMENT AS SPECIFIED BY RESPECTIVE MANUFACTURERS AND/OR AS INSTRUCTED BY THE OFFICER IN CHARGE OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS, SIZE & LOCATION OF HOLES OR ANY OTHER MEANS FOR PROPER INSTALLATION OF EQUIPMENT.
4. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY OF PROPER INSTALLATION OF ALL EQUIPMENT TO FULL SATISFACTION OF MAJORITIES.

DOOR SCHEDULE

| DOOR # | SIZE | MAT. | TYPE | GLASS | HEAD | JAMB | REMARKS |
|--------|---------------|------|------|-------|------|------|---------|
| 1 | 8'-0" x 7'-0" | H-K | A | 1/2" | H-4 | J-1 | NEW |
| 2 | EXISTING | | | | | | |
| 3 | 8'-0" x 7'-0" | H-K | A | | H-1 | J-1 | NEW |
| 4 | 8'-0" x 7'-0" | H-K | B | | H-3 | J-1 | NEW |
| 5 | 8'-0" x 7'-0" | | C | | H-4 | J-4 | NEW |
| 6 | EXISTING | | | | | | |
| 7 | EXISTING | | | | | | |



REMARKS: VERIFY THESE DIMENSIONS FOR CLEARANCE END BY DOOR MANUFACTURER PRIOR TO INSTALLATION OF STRUCTURAL STEEL. IS TO BE REMOVED SEE BLDG. 688 W/ NEW EXP. BOLTS.

DEPARTMENT OF THE ARMY
ENGINEERING CENTER
BALTIMORE, MD 21153
CIVIL ENGINEER
OFFICE OF THE CHIEF ENGINEER
DESIGN CODE: A ACT, GEN, PRM, PCY, S CIP, HFR, ISTN

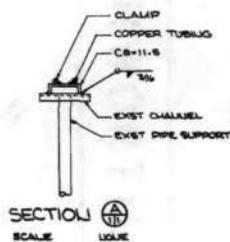
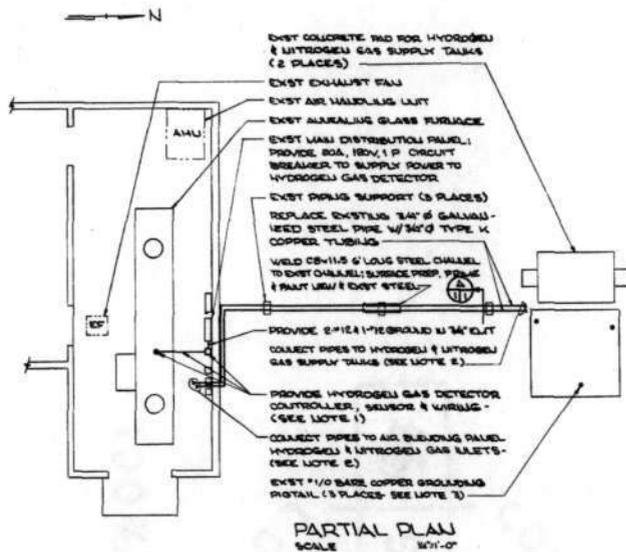
DATE: 10/15/78
SCALE: 1/8"=1'-0

DEPARTMENT OF THE ARMY
INFANTRY FACILITIES ENGINEERING COMMAND
INDIAN HEAD, MD
NAVAL ORDNANCE STATION
ALTER VARIOUS ORDNANCE DEVELOPMENT & ASSEMBLY FACILITIES, INDIAN HEAD, MD.
REFLECTED CLG PLAN & SCHEDULES, BUILDING 491

SIZE CODE: 0007 NO
DRAWING NO: 3119012
CONTRACT NO: W48477.02-C-7001
SCALE AS NOTED SPEC: 80 2081 SHEET 4 OF 15

FINAL BACKCHECK: 8809M/TAL JULY 9, 1981

Handwritten note: 07-1491



| REVISIONS | | | |
|-----------|-------------|------|----------|
| NO. | DESCRIPTION | DATE | APPROVAL |
| | | | |
| | | | |

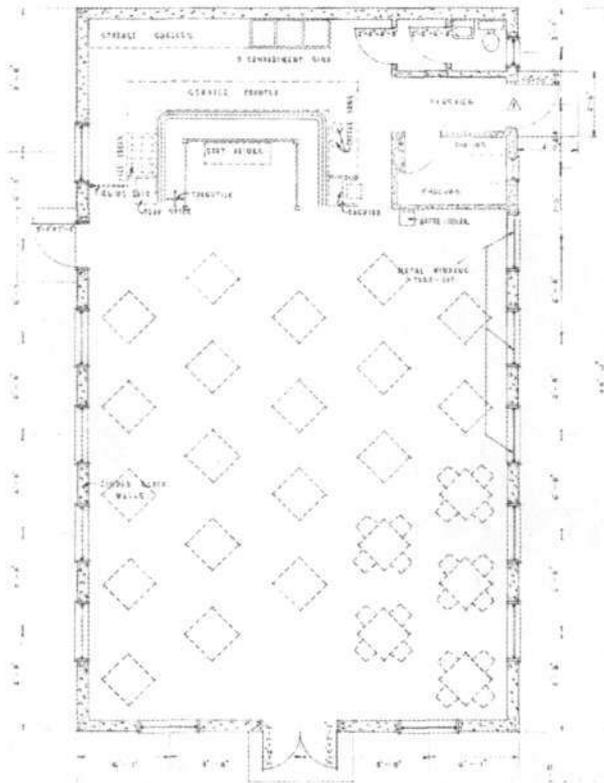
NOTES

- HYDROGEN GAS DETECTOR SHALL CONSIST OF SENSOR, SENSOR TRANSMITTER & CONTROLLER. SENSOR SHALL BE LONG LIFE DIFFUSION TYPE ELECTROCHEMICAL HYDROGEN SENSOR 1/4-20MA TRANSMITTER SIGNAL OUTPUT. CONTROLLER SHALL BE 120V TUBAL CHANNEL DIGITAL CONTROLLER 1/2 BUILT IN POWER SUPPLY, AUDIO & VISUAL ALARMS, 3-ALARM SETTING RANGES OF 0-99 PPM, 0.1 TO 9.99 PPM & 0.01-99 PPM, 2-3A, 250VAC SPOT RELAYS PER CHANNEL FOR HIGH & LOW ALARMS, 1-3A, 250VAC SPOT RELAY FOR FAIL ALARM, AND 24 VDC 1 SOLID-STATE RELAY. CONTROLLER SHALL BE SENSITIVE MODEL 2000 OR APPROVED EQUAL.
- AIR BLEEDING PANEL AND HYDROGEN & NITROGEN TANKS SHALL BE PROVIDED & INSTALLED BY OTHERS - CONTACT LAB SUBAL R ADAMS (CODE 2580) EXST 4709 FOR INFORMATION ABOUT EQUIPMENT.
- GROUND TANKS & PIPING TO EXIST GROUNDING DETAILS 1/4" BRASS COPPER CONDUCTOR. GROUNDING CONNECTIONS SHALL BE AS INDICATED ON DW STD 4-18 THRU 4-24.

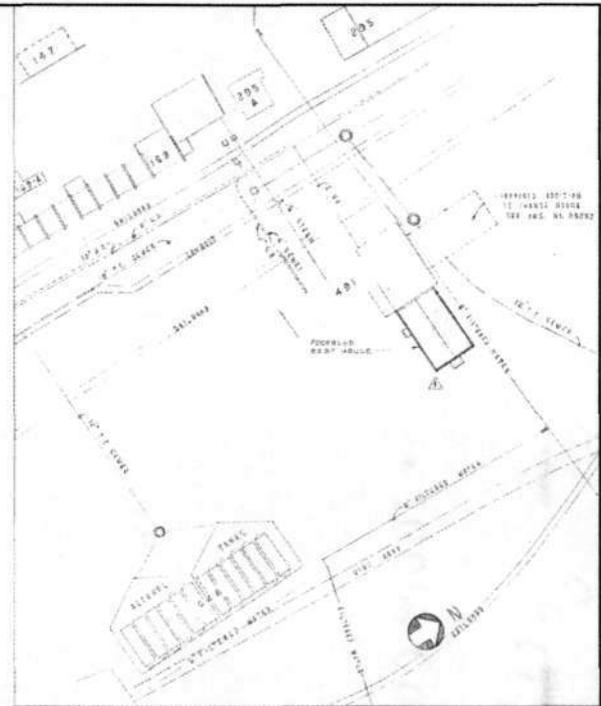
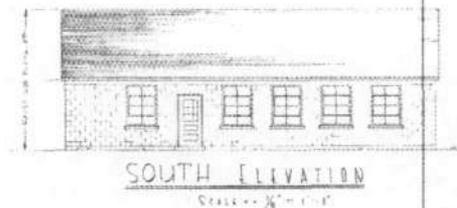
NR 23-019-88

| | | |
|-------------------------------|----------------|---|
| DESIGN OFFICER C. J. BAKER | DATE 4/1/81 | DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL ORDONANCE STATION INDIAN HEAD, MD. |
| DATE 4/89 | EXTENSION | PROJECT TITLE MODIFY ANNEALING GLASS FURNACE - BLDG 491 |
| APPROVED BY C. J. BAKER | DATE 4/1/81 | PROJECT CODE IDENT NO F 80091 |
| DATE 4/1/81 | DATE 4/1/81 | NAVYAC DRAWING NO 89-2015 |
| DATE 4/1/81 | DATE 4/1/81 | CONTR. CONTR. NO - |
| DATE 4/1/81 | DATE 4/1/81 | SCALE & SHEET INFO - SHEET 1 OF 1 |

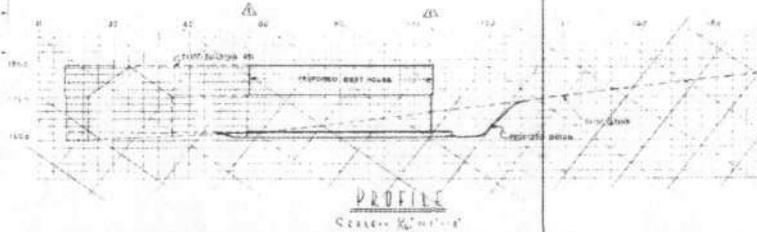
CH-491



PLAN
Scale -- 1/8" = 1'-0"



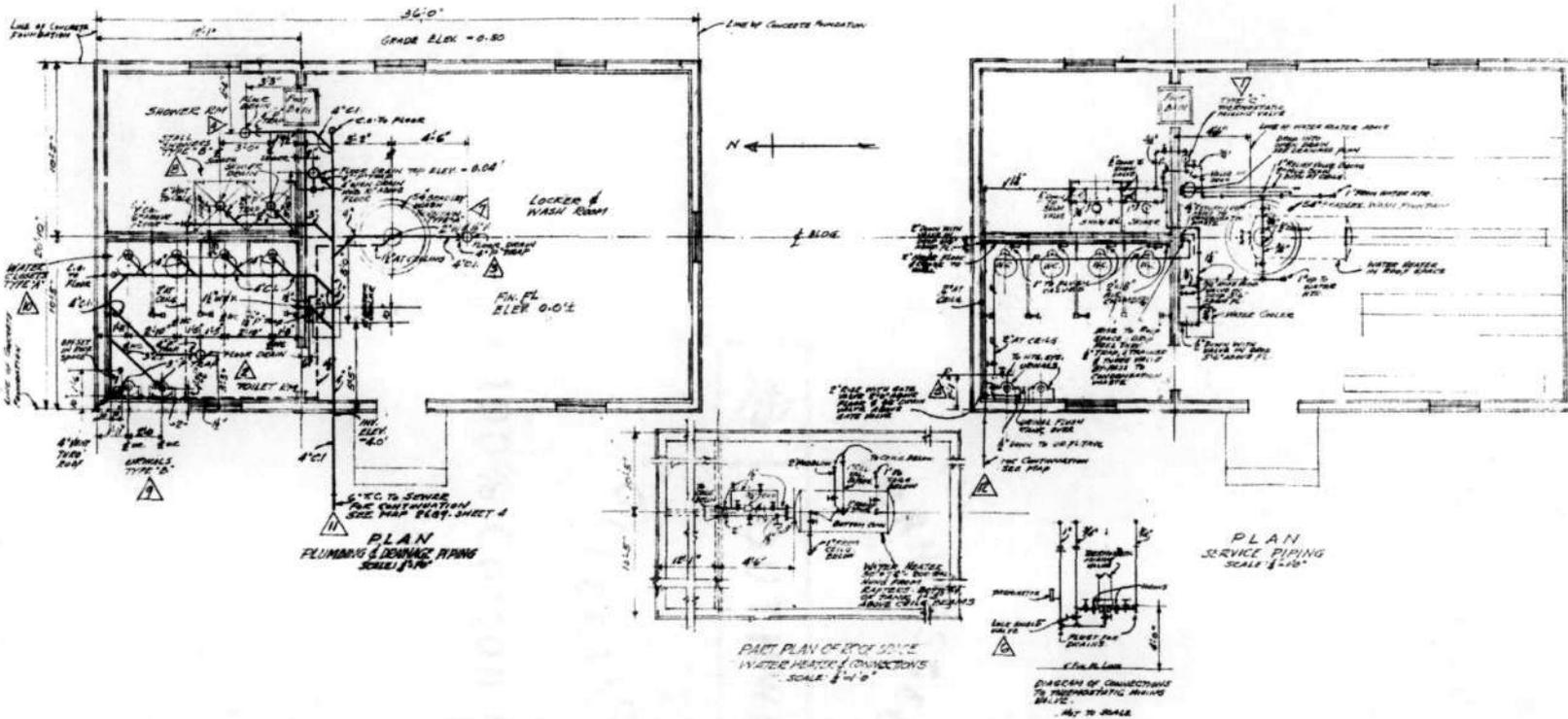
VOID - SEE PLAN SK 25148A



OPERATED ORIGINAL DWG. NAME SEWELL DATED 9-29-82

| REVISION | DATE | APPD. | DESCRIPTION | BY |
|---|---------|-------------|--|----|
| 1 | 9/10/82 | [Signature] | CHANGED LOCATION, PLOT PLAN & PROFILE. USE DATE | SK |
| P. W. DRAWING NO. | | | NAVAL POWDER FACTORY INDIAN HEAD, MD. | |
| DES. DRAWN BY E. L. & M. J. [Signature] | | | PROPOSED REST HOUSE FOR POWDER LINE AREA APPROVED: [Signature] DATE 9/10/82 CONTRACTING OFFICER | |
| CHECKED BY [Signature] | | | | |
| IN CHARGE BY [Signature] | | | | |
| DATE [Signature] | | | | |
| SATISFACTORY TO: | | | SCALE AS SHOWN | |
| DATE: | | | SHEET 1 OF 1 | |
| | | | DRAWING NO. SK 25148 | |

GH-491



SPECIFICATION NOTES

FLOOR DRAINS SHALL BE
 1/2" DIA. 3/4" H. OR APPROVED
 EQUAL WITH CAST IRON
 BODY & BRASS OR
 CAST IRON & 1/2" DIA. 3/4" H. OR
 APPROVED EQUAL WITH
 CAST IRON BODY & BRASS OR
 APPROVED EQUAL WITH
 CAST IRON BODY & BRASS OR
 APPROVED EQUAL WITH
 CAST IRON BODY & BRASS OR
 APPROVED EQUAL WITH
 CAST IRON BODY & BRASS OR

LEGEND

--- SANITARY DRAIN
 --- VENT
 --- COLD WATER
 --- HOT WATER
 --- TRAP
 --- STEAM

--- GATE VALVE
 --- TRAP VALVE
 --- CHECK VALVE
 --- STRAINER

THIS DRAWING SHALL NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF THE UNITED STATES GOVERNMENT.

NAVAL POWDER FACTORY #491
 CHANGE HOUSE #524-A
 PLUMBING, DRAINAGE & SERVICE PIPING
 PLANS

PROJ. NO. 6086 SCALE 1/4" = 1'-0"

DATE March 25, 1941

| NO. | REVISIONS | DATE | BY | REFERENCE DRAWINGS |
|------|-----------------------|---------|---------|--------------------|
| 6086 | ARTS ADDED | 3/25/41 | W-49715 | ARCHT. & CONCRETE |
| 6086 | PIPE DRAINS & TRAPS | 3/25/41 | W-50003 | HEATING |
| 6086 | STRAIN SUPPLY SERVICE | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |
| 6086 | PIPE SIZES | 3/25/41 | | |

DRAWN BY A.S. LAU

TRACED BY

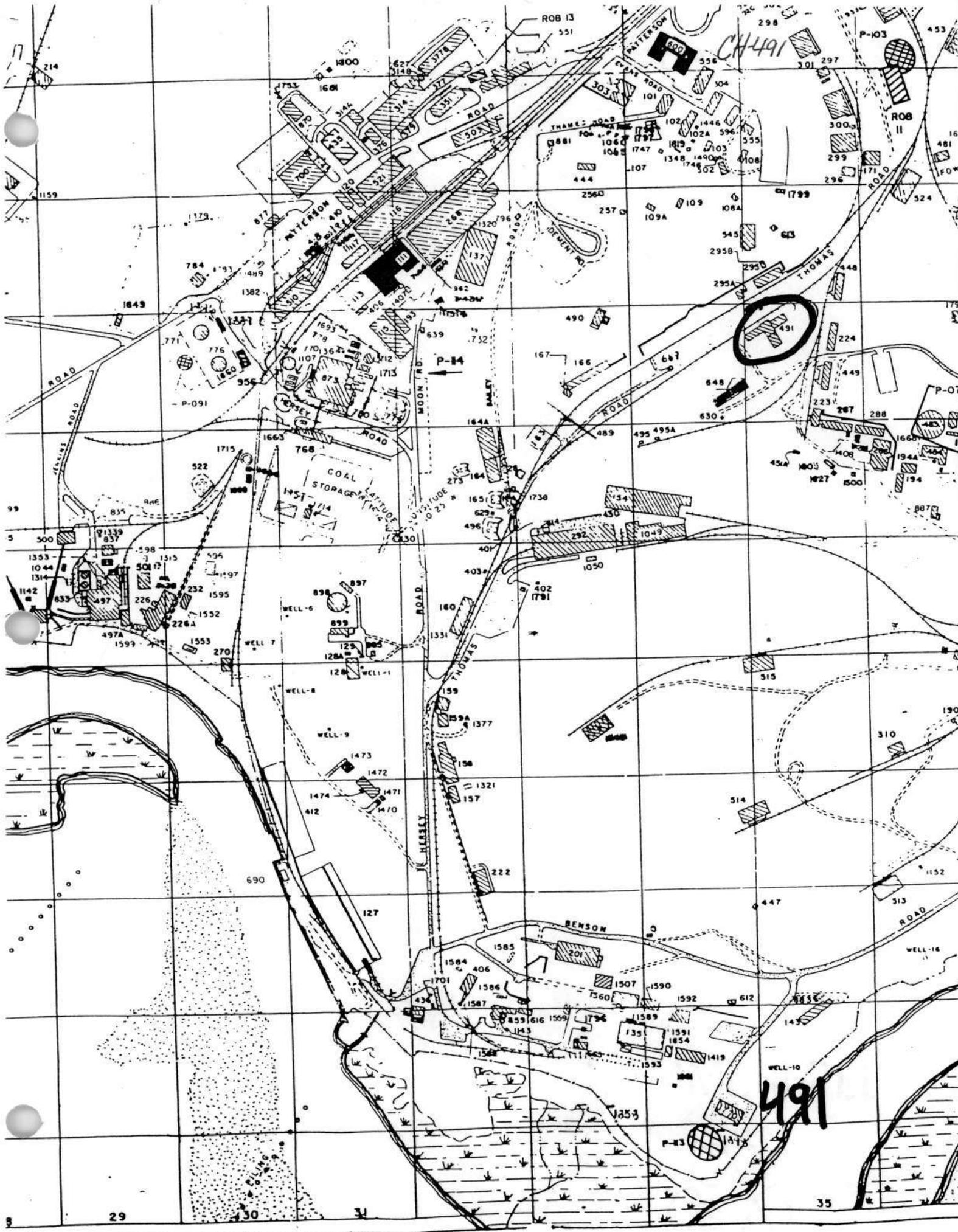
CHECKED BY

ENGINEERING DEPARTMENT

W-49746

11/9/40

CH-491



CH-491

491



MIHP# CH-491

Building 491, NAVAL Powder Factory Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 491, East Facade (1)

#31/8E



MIHP# 04491

Building 491, NAVAL Powder Factory Historic
District, NAVAL Support Facility Indian
Head

Charles County, Maryland

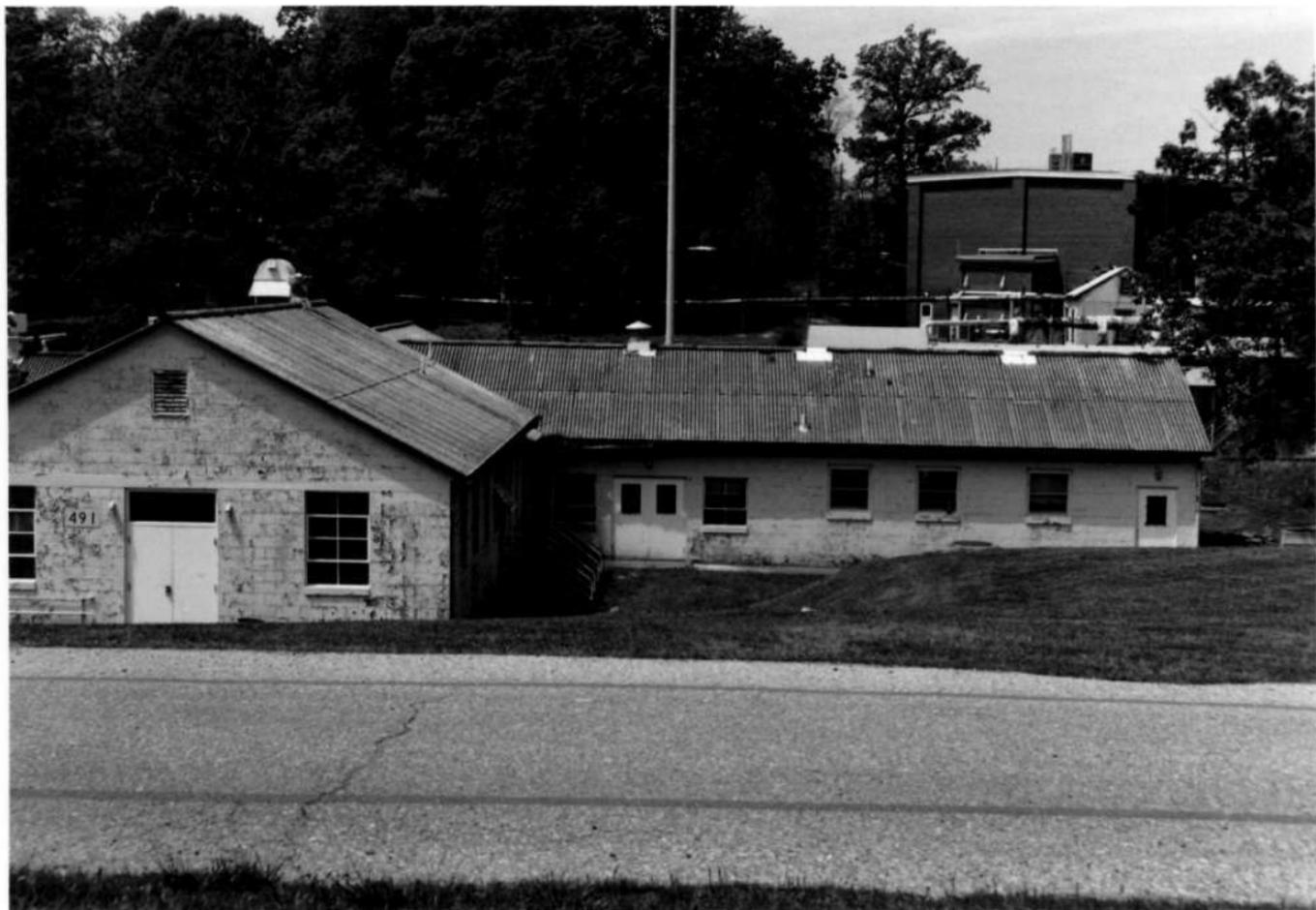
Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 491, North Facade

#32/88



MHPD# CH-491

Building 491, Naval Powder Factory Historic District, NAVAL
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 491, East Facade (3)

33/8



MIHP# CH-491

Building 491, NAVAL Powder Factory Historic District, NAVAL

Support Facility Indian Head

Charles County, MARYLAND

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 491, East Facade (2)

#-4/8^o



MIHP# CH-491

Building 491, Naval Powder Factory Historic District, NAVA
Support Facility Indian Head

Charles County, MARYLAND

Photographer: LISA BIDDLE (ERG)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 491, West Facade (2)
35/88.



MHP# CH-491

Building 491, Naval Powder Factory Historic District (NAVA)
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2004

Location of negatives: MD SHPO

Subject: Building 491, South Facade

6/8



MHP# CH-491

Building 491, Naval Powder Factory Historic District, Naval
Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle(ERG)

April 27, 2006

Location of negatives: MD SHPO

Subject: Building 491, East Facade (4)

37/85



MHP # CH-491

Building 491, Naval Powder Factory Historic District, NAVAL

Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

April 27, 2006

Location of Negatives: MD SHPO

Subject: Building 491, West Facade (1)

8/88



CH-491F

Bldg. 491

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SW ELEVATION OF ELECTROMECHANICAL REMOVER BUILDING

TCF 83-81 NININ+ 14RU 047

17.6

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 492 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 492 is a one-story, rectangular, wood-frame building raised on a concrete foundation. The building is five bays wide and one bay deep and is surmounted by a side-gabled, corrugated-asbestos roof with three ventilators. The walls are finished with corrugated asbestos panels. The south elevation exhibits six-over-six-light, double-hung, wood-sash windows. All other windows have been replaced with one-over-one, double-hung, metal-sash units. The building contains multiple entrances that feature metal fire door replacement units. Building 492 contains few modifications and possesses integrity of design and materials.

Building 492 was constructed in 1941 as a change house for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

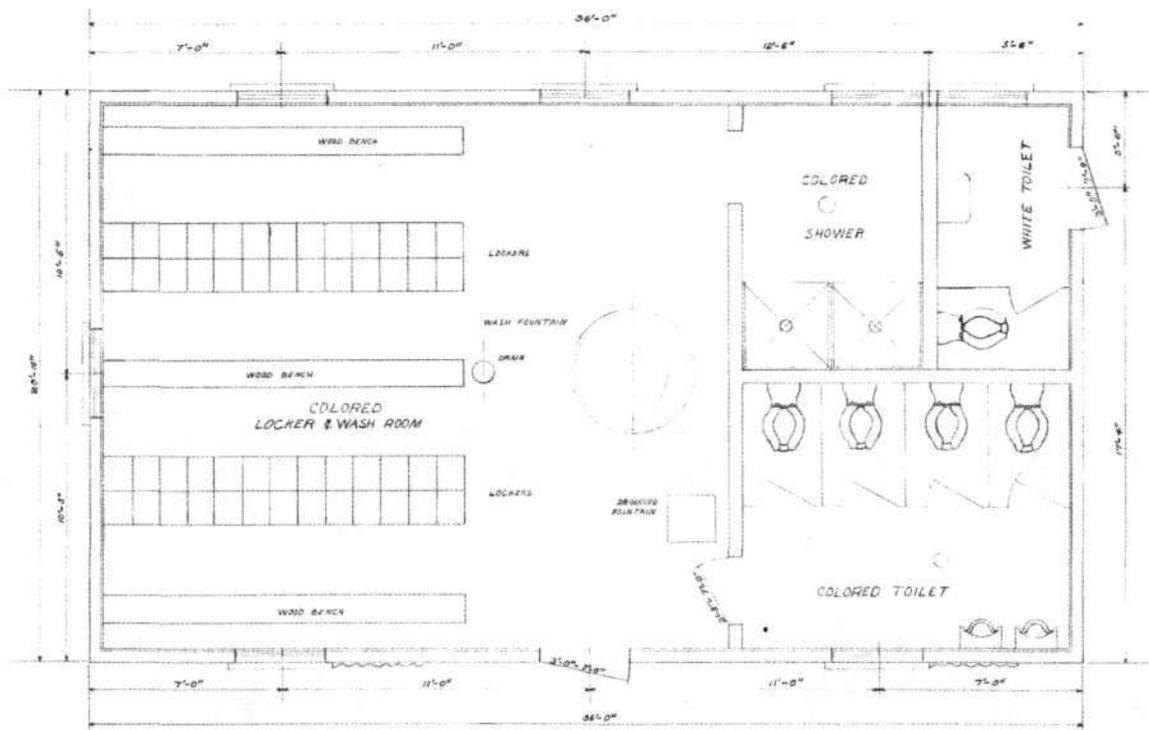
J. Rodney Little

Reviewer, NR Program

Date

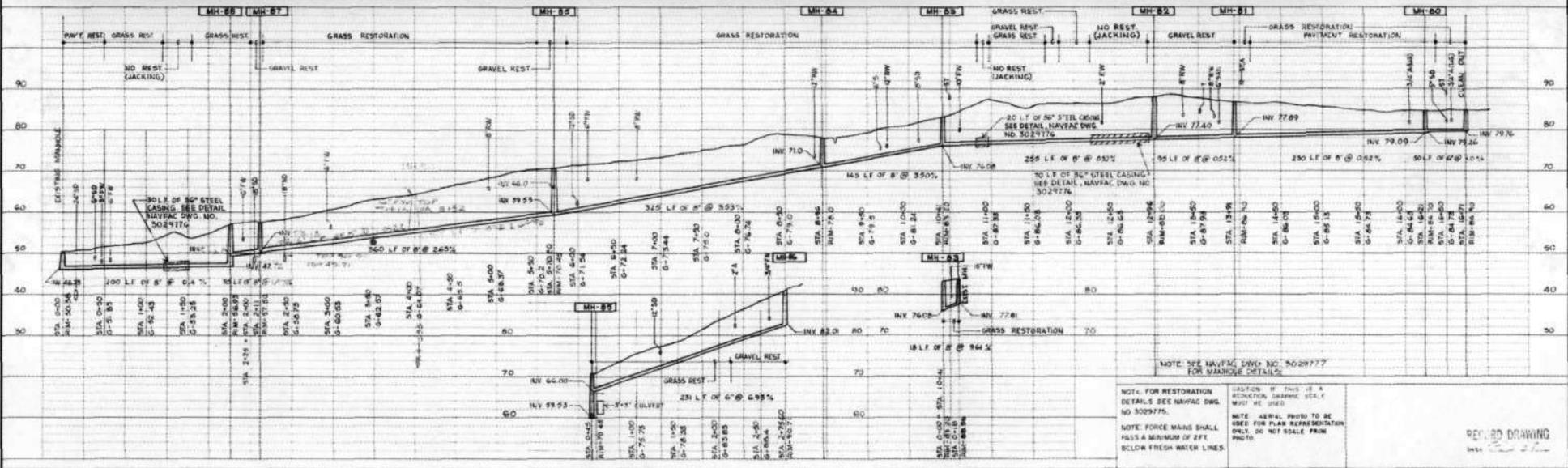
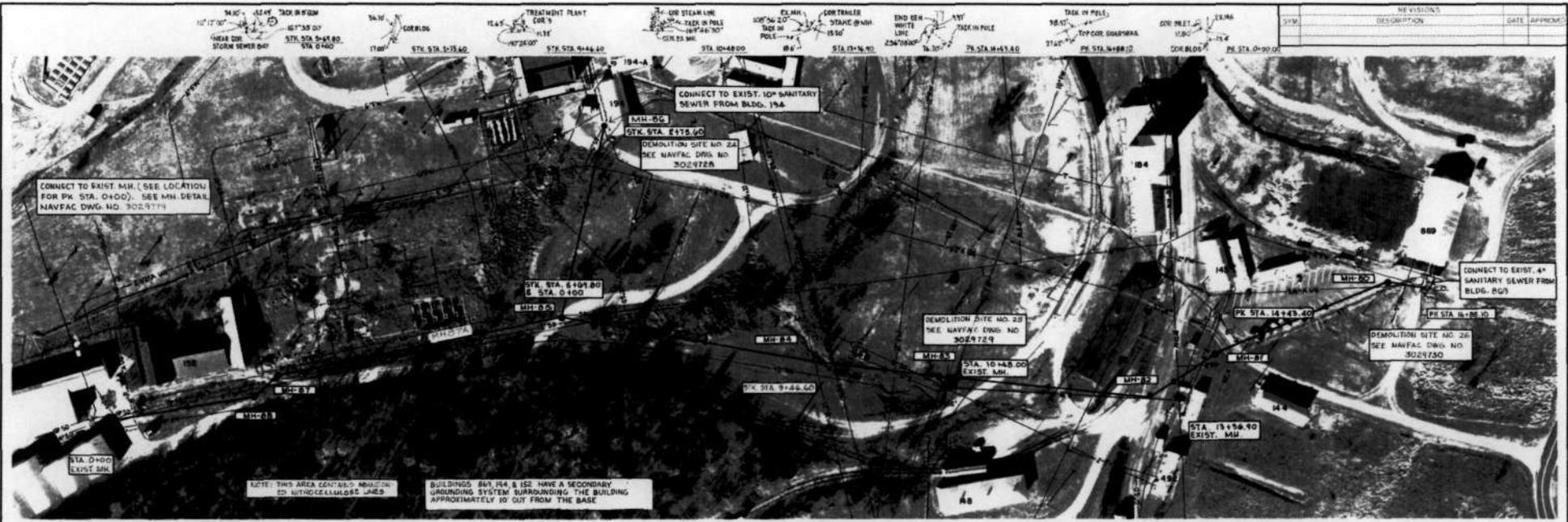
July 17, 1998

Date



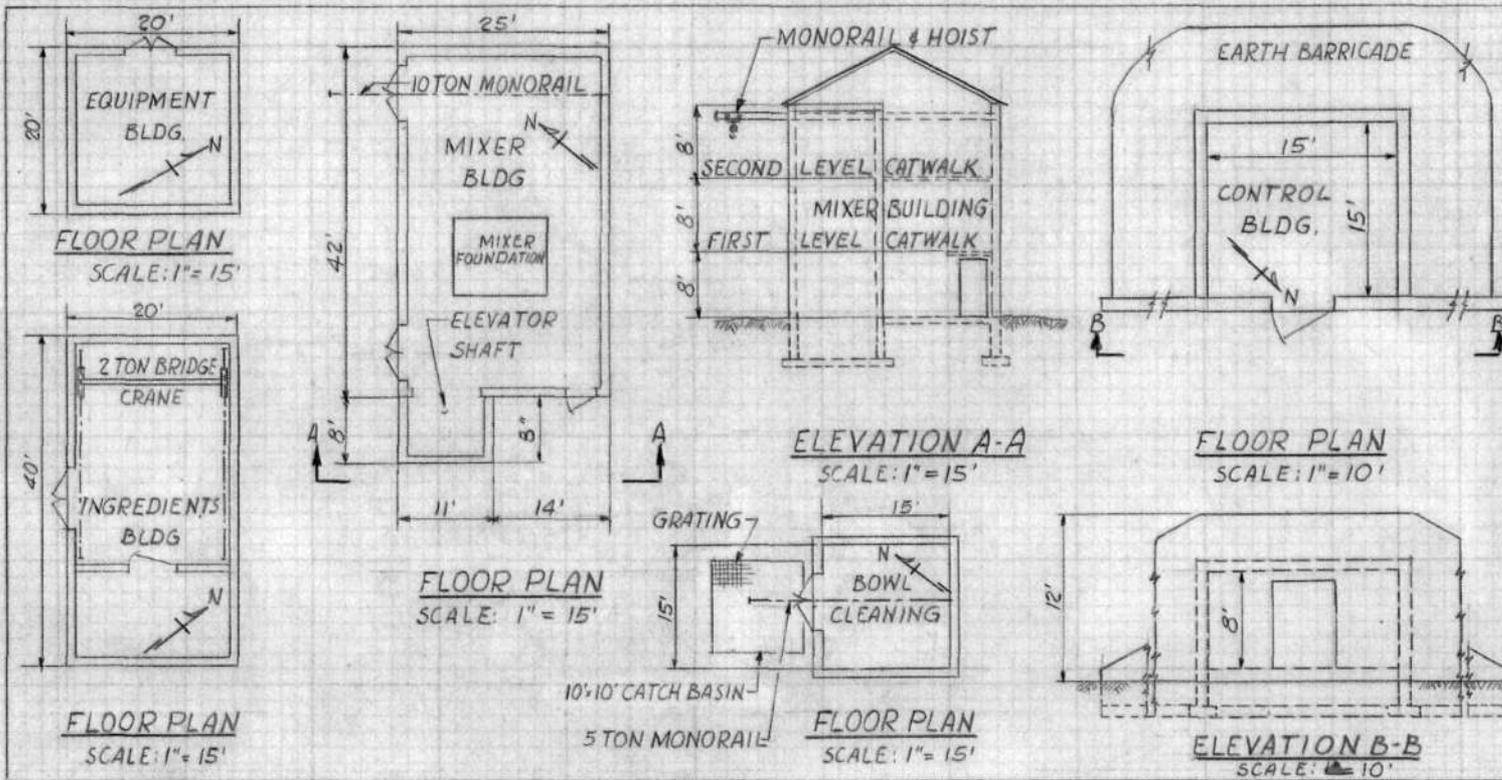
| NAVAL POWDER FACTORY PIVERS HEAD, MD. | | |
|--|-------------|---------------------|
| FUNCTION | DETAIL | DATE |
| DRAWN | <i>L.R.</i> | |
| CHECKED | | |
| TRACED | | |
| DESIGNED | | |
| CONSTRUCTED | | |
| EXAMINED | | |
| APPROVED | | |
| DATE | | |
| SUBMITTED | | APPROVED |
| BY | | CAPTAIN U.S.N. |
| FOR | | INSPECTOR IN CHARGE |
| SCALE: 1/8" = 1'-0" | | NO. 5 |
| NO. 3173 | | |

CH-491



| | | | |
|--|---|---|--|
| <p>SANITARY SEWER LEGEND</p> <ul style="list-style-type: none"> EXISTING SANITARY SEWER W/WH PROPOSED SANITARY SEWER W/WH PROPOSED FORCE MAIN W/AIR RELEASE VALVE MH PROPOSED PUMPING STATION (DRY WELL TYPE) PROPOSED PUMPING STATION (WET WELL TYPE) | <p>KEY</p> <p>POTOMAC RIVER MATTAWOMAN CREEK</p> | <p>PLAN NORTH ARROW</p> <p>GRAPHIC SCALES</p> <p>HORIZ. SCALE IN FEET: 0 25 50 100 150 1" = 40'</p> <p>VERT. SCALE IN FEET: 0 10 20 30 1" = 10'</p> | <p>NOTES:</p> <ul style="list-style-type: none"> FOR RESTORATION DETAILS SEE NAVFAC DWG NO 3029775. NOTE: FORCE MAINS SHALL HAVE A MINIMUM OF 2 FEET BELOW FRESH WATER LINES. LOCATION IF THIS IS A CONCRETE GRAVITY PIPE MUST BE USED. NOTE: AERIAL PHOTO TO BE USED FOR PLAN REPRESENTATION ONLY. NO NOT SCALE FROM PHOTO. <p>RETIRED DRAWING</p> <p>DATE: 1/11/88</p> <p>APPROVED: [Signature]</p> <p>DATE: 1/11/88</p> <p>SCALE: GRAPHIC</p> <p>U.S. NAVAL ENGINEERING CENTER CHESAPEAKE DIVISION INDIAN HEAD, MD. CENTRAL SEWAGE SYSTEM BUILDINGS 194, 194-A, 492, AND 869</p> <p>NAVFAC DRAWING NO: 3029656</p> <p>CONTR. CONTR. NO. 54247770-C-CONG</p> <p>SCALE: GRAPHIC 1987-27-NO 0204-1 SHEET 35 OF 152</p> |
|--|---|---|--|

CH-491



NAVAL ORDNANCE STATION
 INDIAN HEAD, MARYLAND 20640

300 GAL. VERTICAL MIXER FACILITY
 MCON LINE ITEM P-492
 FLOOR PLANS & ELEVATION

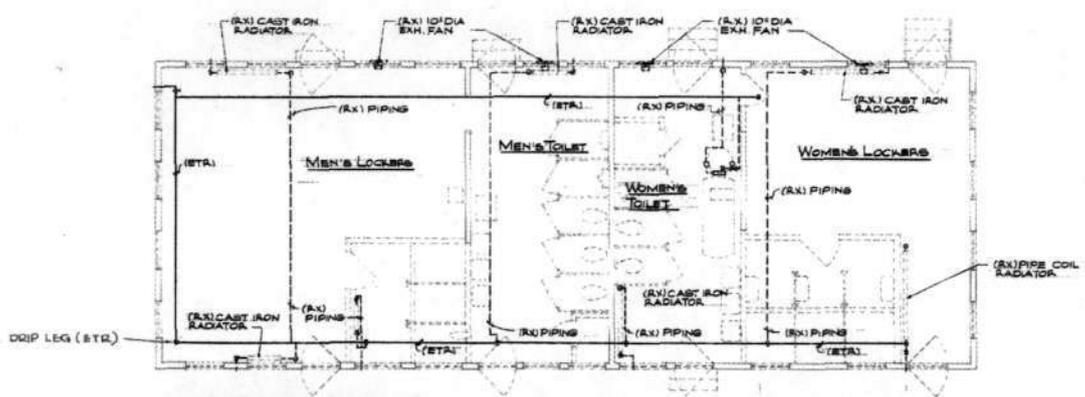
| | | | |
|-----|--------------------|------------------------|--------------------|
| 09B | <i>J.E. Wilson</i> | DATE 25 May 76 | SCALE: AS SHOWN |
| 092 | <i>J.E. Wilson</i> | DRAWN T.E. Siepmann | DRAWING NO. (P.W.) |
| 09 | <i>J.E. Wilson</i> | SUPV. <i>W. J. ...</i> | SK. 7871 |

GH-491

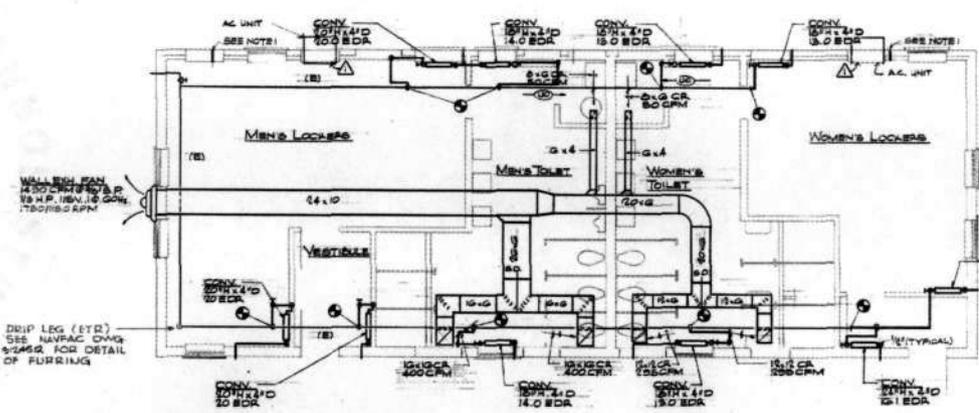
| REVISIONS | | DATE | APPROVAL |
|-----------|--------------------|------|----------|
| 1 | AS BUILT REVISIONS | 1/87 | |

SYMBOLS

- NEW DUCTWORK
- CEILING RESISTER
- EXISTING EQUIPMENT TO BE REMOVED
- NEW EQUIPMENT
- EXISTING STEAM PIPING TO BE REMOVED
- EXISTING STEAM PIPING TO REMAIN
- NEW STEAM PIPING
- UNDERCUT DOOR
- POINT OF CONNECTION-NEW TO EXISTING
- THERMOSTATIC TRAP (NEW)
- RADIATOR VALVE (NEW)
- CONV. CONVECTOR
- CR. CEILING RESISTER
- ETR. EXISTING TO REMAIN
- E. EXISTING
- R. REMOVE EXISTING
- SD. SPLITTER DAMPER
- EDR. EQUIVALENT DIRECT RADIATION

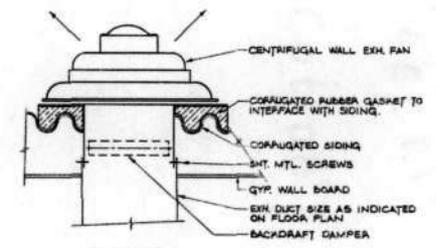


FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0" BLDG. 14



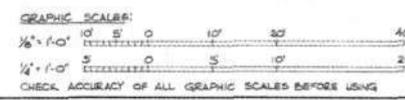
FLOOR PLAN - NEW WORK
SCALE: 1/4" = 1'-0" BLDG. 14

NOTE:
1. PACK ABANDONED FIRE SLEEVE WITH GANLY AND SEAL WITH WEATHERPROOF MASTIC BOTH SIDES.



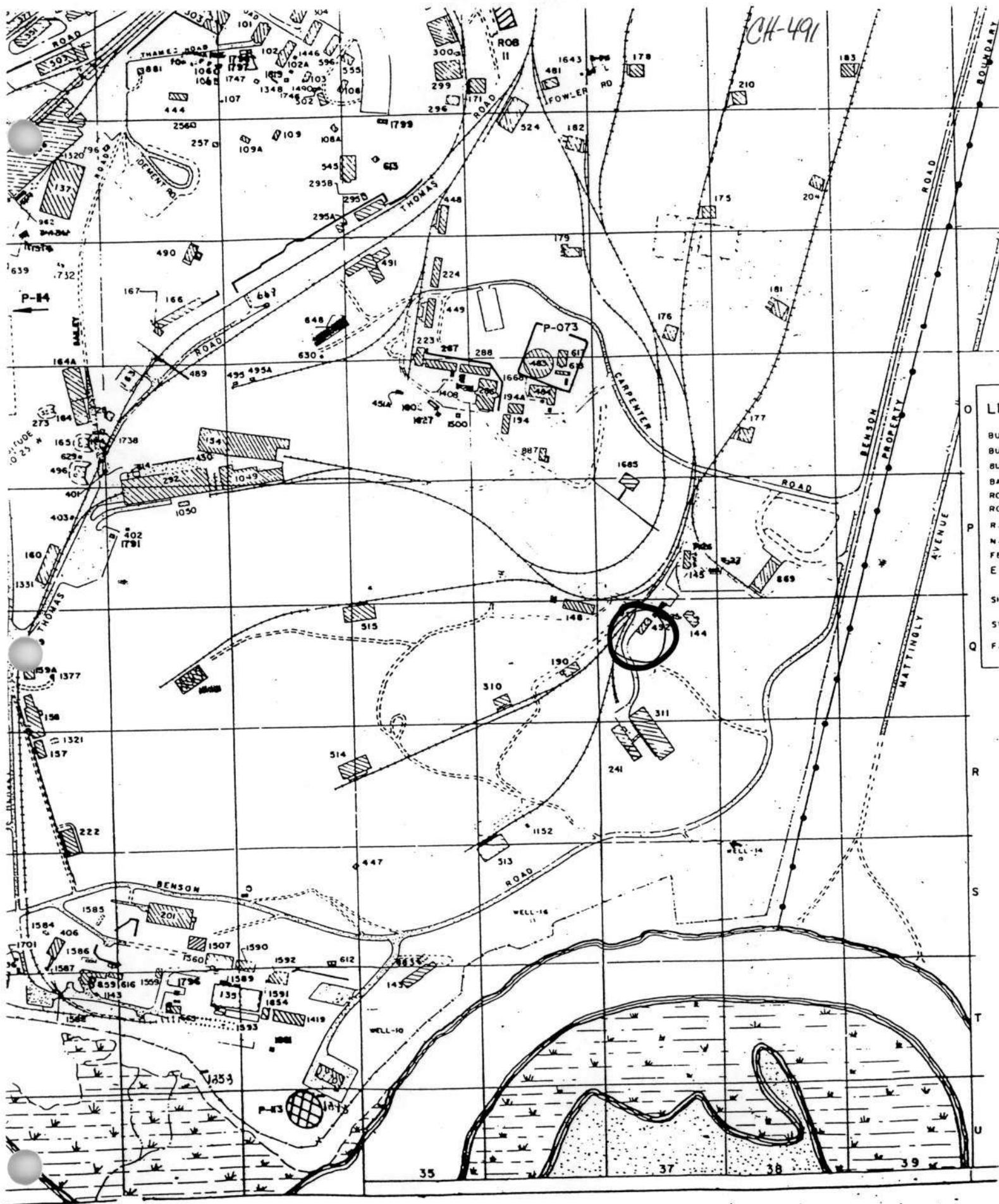
EXHAUST FAN MOUNTING DETAIL (TYPICAL)
NO SCALE

NOTE:
IF DRAWING IS REDUCED, USE GRAPHIC SCALE.



| | | | |
|--|----------|------|--|
| DONALD W. WARRINER ASSOC. 8800 CAMDEN ST., SUITE 200 SILVER SPRING, MD 20910 | DESIGNER | DATE | DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL ORDNANCE STATION 3024N. HEAD, MD |
| | DRAWN | DATE | |
| | CHECKED | DATE | 3024N. HEAD, MD 412 MECHANICAL FLOOR PLANS - DEMOLITION & NEW WORK - SCHEDULES & DETAILS - BLDG. 14 |
| | APPROVED | DATE | |
| SUBMITTED TO: | | DATE | F 80091 SCALE AS NOTED |
| PROJECT NO. 11-2-93 | | DATE | 3124903 CONSISTENT WITH NAVFAC 802-7127 SCALE AS NOTED SPEC. 21-25-7127 (SHEET 5 OF 10) |

11-491



492



MIHP# CH-491

Building 492, Naval Powder Factory Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

MARCH 7, 2006

Location of negatives: MD SHPO

Subject: Building 492, East Facade

31/48



MIHP# CH-491

Building 492, NAVAL Powder Factory Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: LISA Biddle (ERG)

MARCH 7, 2006

Location of negatives: MDSHPO

Subject: Building 492, North Facade

32/48



MIHP#CH-491

Building 492, NAVAL Powder Factory Historic District,
NAVAL Support Facility Indian Head
Charles County, Maryland

Photographer: Lisa Biddle (ERG)

MARCH 7, 2006

LOCATION of negatives: MD SHPO

Subject: Building 492, South Facade

#43/4c



MIHP# CH-491

Building 492, NAVAL Powder Factory Historic District,
NAVAL Support Facility Indian Head

Charles County, Maryland

Photographer: Lisa Biddle (ERG)

MARCH 7, 2006

Location of negatives: MD SHPO

Subject: Building 492, West Facade

#44/48



CH-491
Bldg. 2192

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

W ELEVATION OF CHANGE HOUSE

TCF 63-01 MINN-GERU 047

12, 14

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Buildings 495 and 495A Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Buildings 495 and 495A are identical, one-story, rectangular, wood-frame buildings raised on concrete foundations. Each building is one bay wide and one bay deep and is surmounted by a side-gabled, composition roll roof. The walls are finished with horizontal lapped siding. The buildings contain open bays on the south elevation. Buildings 495 and 495A were constructed in 1941 as ether receiving platforms. They are no longer in use. The buildings have received minor modifications and possess integrity of design and materials.

Buildings 495 and 495A were constructed in 1941 as ether receiving platforms for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

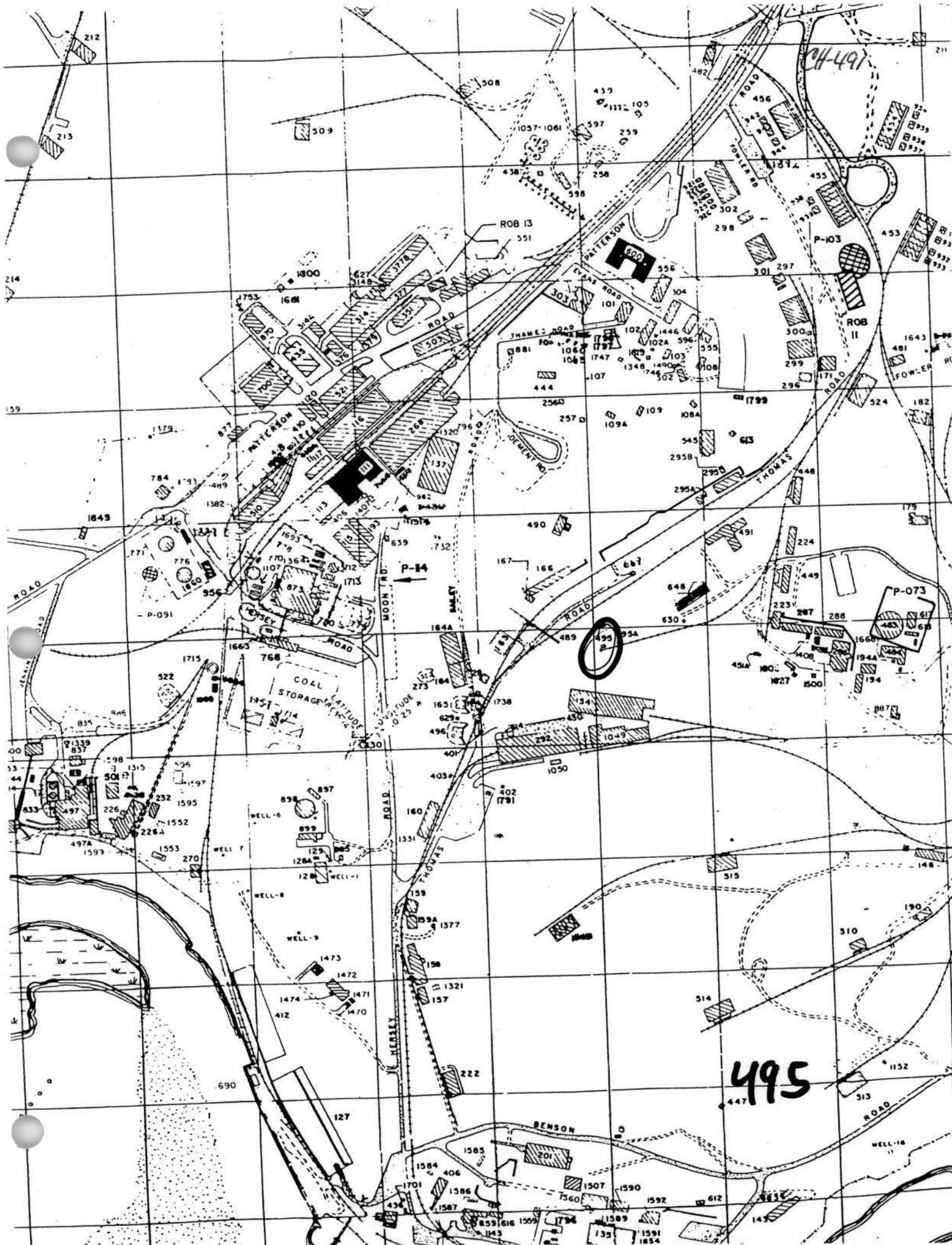
J. Rodney Little

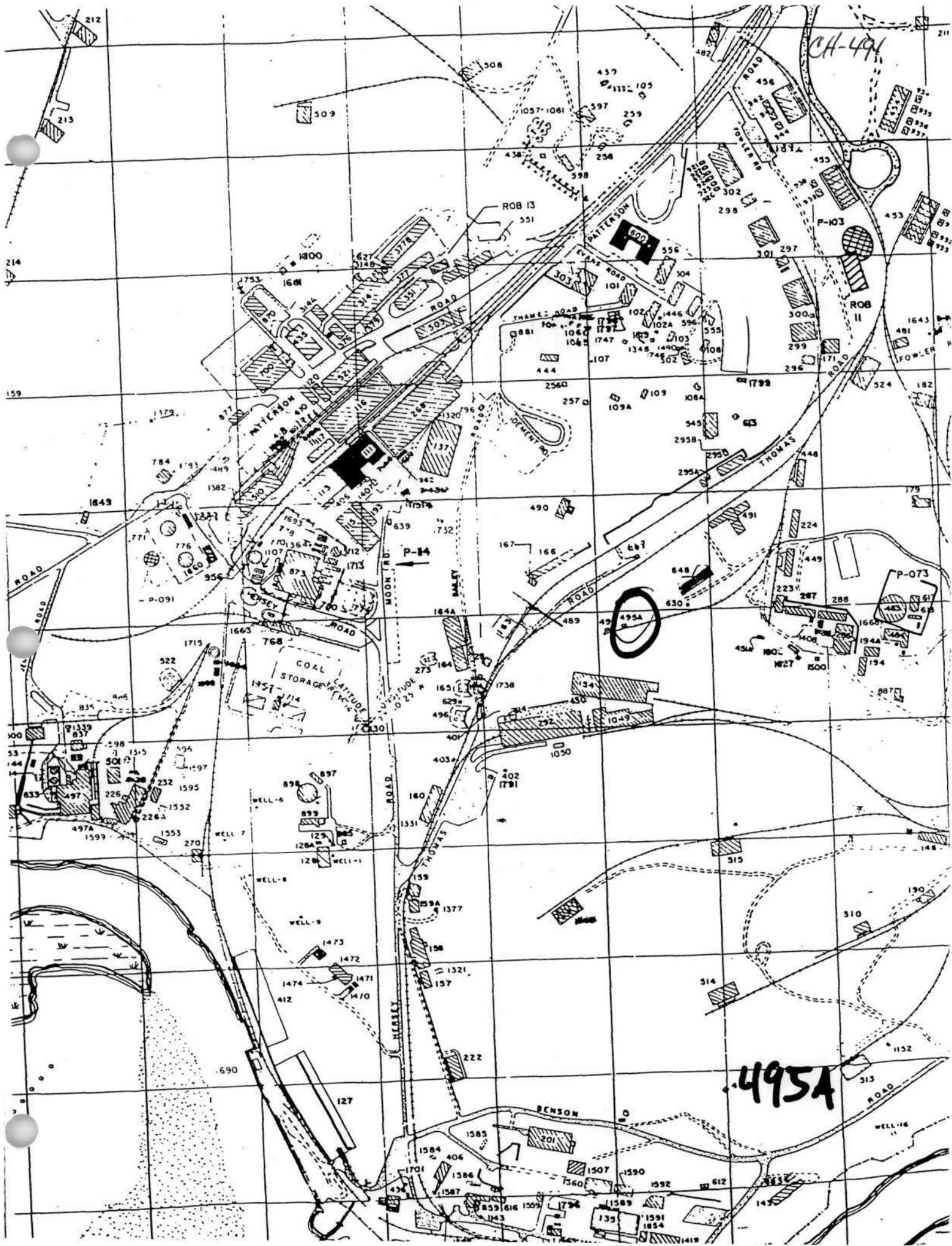
Reviewer, NR Program

Date

July 17, 1998

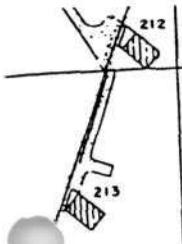
Date





CH-491

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495A

CH-491

Bldg 495A + 495

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

NE VIEW OF SOLVENT UNLOADING PLATFORM BUILDING # 495A + 495

JUL 03-02 02:00:00 047

17,11

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes X
no

Property Name: Building 502 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no yes Name: _____ Date: _____
Is the property is located within a historic district? X yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource X yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 502 is a two-story, rectangular, common bond brick building raised on a concrete foundation. The building is four bays wide and two bays deep and is surmounted by a corrugated metal, side-gabled roof. The second-story walls are finished with corrugated metal panels. The building contains multiple entrances including four metal doors located on the east elevation. The east elevation also contains a one-story, full-façade, shed roof porch. Fine in-filled window openings with brick sills are located on the west elevation. The building features replacement one-over-one-light, metal-awning sash on the first and second stories. A one-story, flat-roof, concrete-block addition has been added to the south elevation.

Building 502 was constructed as a high explosives research building. The building currently is used as a Fluorine Laboratory. Building 502 exhibits modifications to its windows and doors and contains minor additions on the east and south elevations.

Building 502 was constructed in 1942 as a high explosives research building at the Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended X Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

Building 502 Indian Head NSWC

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998



CH-491

Bldg 502

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

SW ELEVATION OF FLUORINE LABORATORY

TCP 63 02 111111 01RU 008

18/19

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 518 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 518 was constructed in 1942 as a smokeless powder magazine. It has been demolished.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date

CH-491 **518**
Building ~~158~~, Indian Head NSWC

NO PHOTO
NO MAP

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 597 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 597 is a one-story, L-shaped, common bond brick building raised on a concrete foundation. The building is four bays wide and two bays deep and is surmounted by a flat, built-up roof with parapet. The building incorporates a four-bay addition with an older one-by-two bay section. The building exhibits multiple entrances including metal double-doors on the north and south elevations. The east elevation contains three, six-over-six-light, double-hung, wood-sash windows on the first story. The window openings are ornamented with concrete sills. Louvered vent openings are located above the windows.

Building 597 was constructed in 1945 as a rectangular surveillance magazine. The building currently is used as a stability test building. Building 597 exhibits changes to its doors and a contemporary addition to its west elevation.

Building 597 was constructed in 1945 as a surveillance magazine at the naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

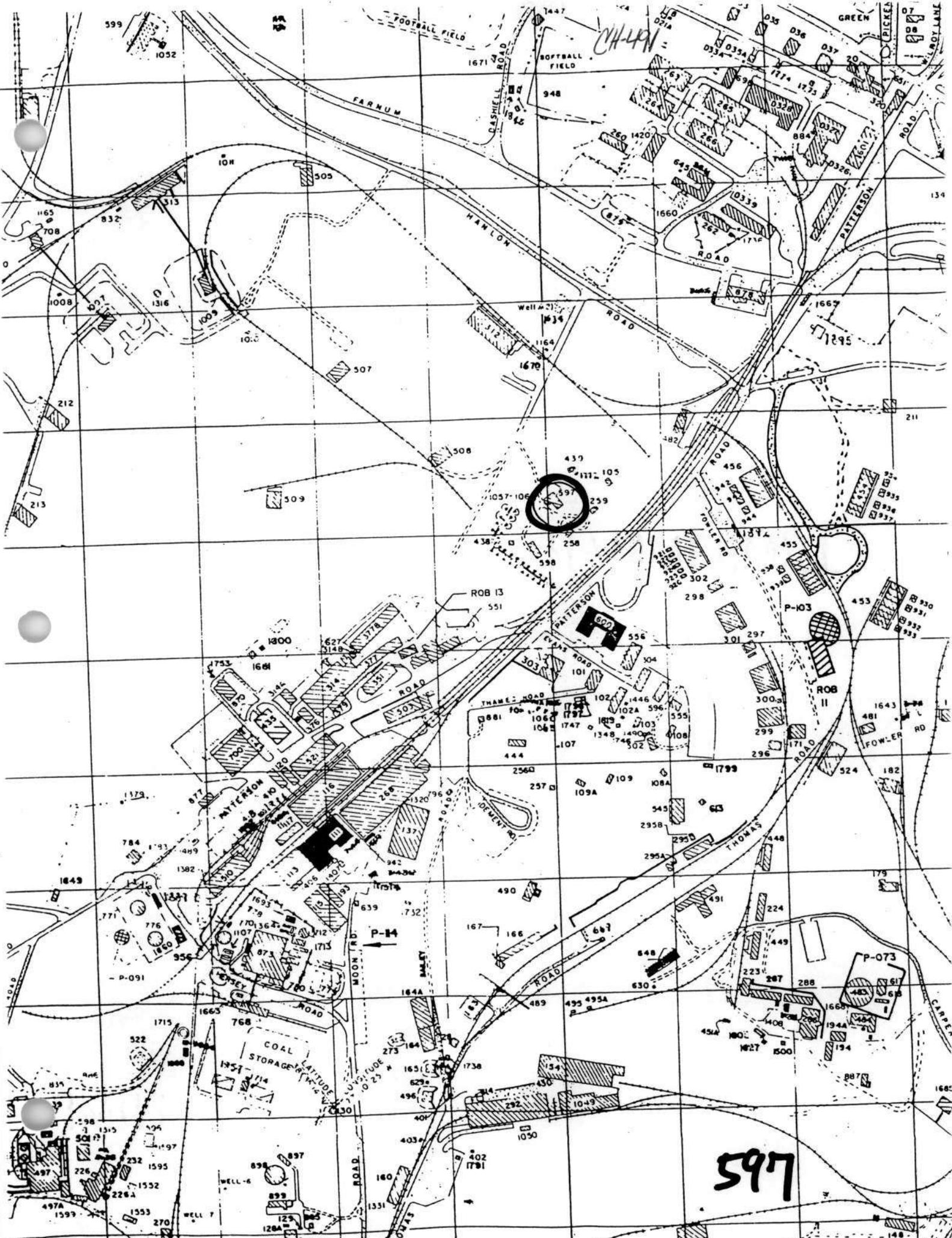
J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491

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CH-491
Bldg 597

(CHARLES COUNTY, MARYLAND)

JOHN MILNER, Assoc.
1995

JOHN MILNER, Assoc.

S ELEVATION OF MAGAZINE # 2114

TCF 83-81 1111111 04AU 045

11.12

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Building 614 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 614 is a one-story, rectangular, common bond brick building raised on concrete foundations. The building is one bay wide and one bay deep and is surmounted by a flat built-up roof. Steel plate double-doors are centrally located on the west elevation. Building 614 was constructed in 1944 as a substation and continues to be used for that purpose. The building has received few modifications and possesses integrity of design and materials.

Building 614 was constructed in 1944 as a substation for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



614

NO
ENTRY

CH-491

Bldg 614

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

E ELEVATION OF SUBSTATION

TEL 83-82 HHHH+ 82RU 847

17, 19

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Building 629 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 629 is a one-story, rectangular, wood frame building raised on concrete foundation. The building is one bay wide and one bay deep and is surmounted by a low-pitched, gable roof. The walls are clad with lapped wood siding. A wood panel, nine-light, wood door is centrally located on the north elevation. Building 629 was constructed in 1946 as a ventilator fan house and continues to be used for that purpose. The building has received few modifications and possesses integrity of design and materials.

Building 629 was constructed in 1946 as a ventilator fan house for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Building 629 is a utilitarian support structure that was constructed after the period of significance (1900-1945) for the Powder Factory. It is not important for its association with the Powder Factory base line.

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended ___ Eligibility not recommended X

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



CH-491
Bldg 629

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

S ELEVATION OF EXHAUSTER HOUSE

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 630 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 630 is a one-story, rectangular, wood-frame building raised on concrete foundation. The building is one bay wide and one bay deep and is surmounted by a front-gable roof. The walls are clad with lapped wood siding. A wood panel, nine-light, wood door is centrally located on the north elevation. Building 629 was constructed in 1945 as an alcohol pump house and continues to be used for that purpose. The building has received few modifications and possesses integrity of design and materials.

Building 630 was constructed in 1945 as an alcohol pump house for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



630

CH-491

Bldg 6310

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

S ELEVATION OF ALCOHOL PUMP HOUSE

TCF 83488 H111111-0000 047

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes
no

Property Name: Building 645 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: no yes Name: _____ Date: _____
Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:

Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

Building 645 is a one-story, rectangular, poured-concrete building raised on a concrete foundation. The building is one bay wide and one bay deep and is surmounted by a flat concrete roof. A metal plate door with strap hinges is centrally located on the north elevation. Building 645 was constructed in 1945 as an x-ray storage building and currently is used for small arms storage. The building has received few modifications and possesses integrity of design and materials.

Building 645 was constructed as an x-ray storage building for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. NSWC, Indian Head in consultation with MHT agree that the building contributes to the Naval Powder Factory District.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended

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

MHT Comments

Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services

J. Rodney Little

Reviewer, NR Program

Date

July 17, 1998

Date



645

CH-491

BUILDG. 645

CHARLES COUNTY, MD

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

E ELEVATION OF SMALL ARMS ARMORY

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes ___
no X

Property Name: Facility 648 Indian Head NSWC Inventory Number: CH-491
Address: _____ City: Indian Head Zip Code: _____
County: Charles USGS Topographic Map: Indian Head
Owner: U.S. Navy Is the property being evaluated a district? ___ yes
Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a
Project: _____ Agency: U.S. Navy
Site visit by MHT staff: X no ___ yes Name: _____ Date: _____
Is the property is located within a historic district? X yes ___ no

If the property is within a district District Inventory Number: CH-491
NR-listed district ___ yes Eligible district X yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource ___ yes X no Non-contributing but eligible in another context ___ yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible ___ yes ___ no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Facility 648 consists of ten ca. 1950 cylindrical metal tanks arranged in two rows of five. Each tank is raised on a concrete foundation within a concrete wall catch basin. The tanks appear to be in good condition and possess integrity of location and design.
Facility 648 was constructed as a group of storage tanks for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. Facility 648 provided utilitarian support and was not important for its association with the Powder Factory base line.

Prepared by: R.C. Goodwin & Assoc., Inc. Date Prepared: 05/06/1998

| | |
|---|--|
| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended ___ | Eligibility not recommended <u>X</u> |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G ___ None |
| MHT Comments Documentation reviewed by Lauren Bowlin. | |
| _____ Reviewer, Office of Preservation Services | _____ Date |
| <u>J. Rodney Little</u> | <u>July 17, 1998</u> |
| _____ Reviewer, NR Program | _____ Date |



CH-491

Bldg 648

CHARLES COUNTY, MARYLAND

JOHN MILNER, Assoc.

1995

JOHN MILNER, Assoc.

SE ELEVATION OF FUEL STORAGE TANKS

TCF 03400 HHHH-12RU 047

1719

**MARYLAND HISTORICAL TRUST
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes ___
no ___

Property Name: Bldg 897, Grit Chamber Building Inventory Number: Contrib Resource CH-491

Address: Hersey Road City: Indian Head Zip Code: 20640

County: Charles USGS Topographic Map: Indian Head, MD-VA

Owner: Department of the Navy

Tax Parcel Number: _____ Tax Map Number: _____ Tax Account ID Number: _____

Project: MILCON P-160 Agency: Department of the 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
Indian Head Naval Powder Factory

Is the property located within a historic district? no yes Name of district: Historic District

Is district listed? no yes Determined eligible? no yes District Inventory Number: CH-491

Documentation on the property/district is presented in: Stevens, J. Sanderson, Laura J. Galke, and Elizabeth Barthold
1994 *Phase I Archeological and Phase II Architectural Investigations, Naval Surface Warfare Center, Indian Head, Charles County, Maryland.* John Milner Associates, Inc. Prepared for TAMS Consultants, Inc.

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*

The grit chamber building was built in 1957 to filter the water before storage. It is a one-story, concrete-block building, two-bays wide and three-bays deep, which terminates in a flat roof. The windows are eight-light awning units with a brick lintel and concrete slip sill. The off-center entrance has a brick lintel and a metal replacement door.

A 1994 architectural survey assessed this property as a non-contributing element to the Indian Head Naval Powder Factory Historic District (1900-1945) and classified it category IV under the Navy's HARP guidelines (Stevens 1994). Category IV properties do not possess historic importance.

The grit chamber building bears no direct association with important themes and events at the Naval Powder Factory (Criterion A). The building is less than 50 years old and does not possess exceptional significance. This structure does not possess the qualities of significance or integrity for listing in the National Register of Historic Places.

Prepared by: R. Christopher Goodwin & Associates, Inc. Date Prepared: October 2003

| MARYLAND HISTORICAL TRUST REVIEW | |
|---|---|
| Eligibility recommended _____ | Eligibility not recommended <input checked="" type="checkbox"/> |
| Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D | Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input checked="" type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None |
| Comments: _____ | |
| <u>Jane Young Kelly</u> Reviewer, Office of Preservation Services | <u>2/11/04</u> Date |
| <u>[Signature]</u> Reviewer, NR program | <u>3/2/04</u> Date |

CH-491

Locational Map

Bldg. 897
Naval Surface Warfare Center, Indian Head
Charles County
Indian Head Quadrangle





897

CH-491

Bldg. 897

Charles Co., Md

B. Cleven

6/2003

Md SHPD

Left and Front elev, view W

1 of 1

MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM

NR Eligible: yes no

Property Name: Buildings 934-939, 942-944 Indian Head NSWC Inventory Number: CH-491

Address: _____ City: Indian Head Zip Code: _____

County: Charles USGS Topographic Map: Indian Head

Owner: U.S. Navy Is the property being evaluated a district? yes

Tax Parcel Number: n/a Tax Map Number: n/a Tax Account ID Number: n/a

Project: _____ Agency: U.S. Navy

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

Is the property is located within a historic district? yes no

If the property is within a district District Inventory Number: CH-491
NR-listed district yes Eligible district yes Name of District: Indian Head Naval Powder Factory HD
Preparer's Recommendation: Contributing resource yes no Non-contributing but eligible in another context yes

If the property is not within a district (or the property is a district) Preparer's Recommendation: Eligible yes no

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

Documentation on the property/district is presented in:
Phase I Cultural Resources Survey of Stump Neck Annex and Supplemental Architectural Investigations, Indian Head Naval Surface Warfare Center, Charles Co. Maryland

Description of Property and Eligibility Determination: *(Use continuation sheet if necessary and attach map and photo)*
Buildings 934-939m 942-944 are identical one-story, brick, condensor houses raised on concrete foundations. Each building is one bay wide and one bay deep. A flat roof with parapet surmounts each structure. The primary elevation of each structure is finished with corrugated metal siding and contains a single, wood-panel door with three-lights. Modifications to these buildings include the removal of mechanical equipment and the conversion of each building into a storage facility. Piping that once attached the condensor houses to the adjacent solvent recovery house has been removed. Although the condensor houses retain their overall form and design, they no longer are physically connected to the solvent recovery houses (buildings 454-456), which are classified as non-contributing elements in the Naval Powder Factory Historic District.

Buildings 934-939, 942-944 were constructed in 1941 as condensor houses for solvent recovery houses, which were added to the installation during World War II. The solvent recovery complexes were constructed for the Naval Powder Factory (1900-1945). The Naval Powder Factory is an industrial facility significant as the first major chemical factory operated by the navy and an important supplier of smokeless powder during World Wars I and II. The condensor houses aided in the recovery of solvents during the final stages of powder production for reuse on the line. NSWC, Indian Head in consultation with MHT agree that the buildings contribute to the Naval Powder Factory District.

MARYLAND HISTORICAL TRUST REVIEW
Eligibility recommended Eligibility not recommended
Criteria: A B C D Considerations: A B C D E F G None
MHT Comments
Documentation reviewed by Lauren Bowlin.

Reviewer, Office of Preservation Services Date
J. Rodney Little July 17, 1998

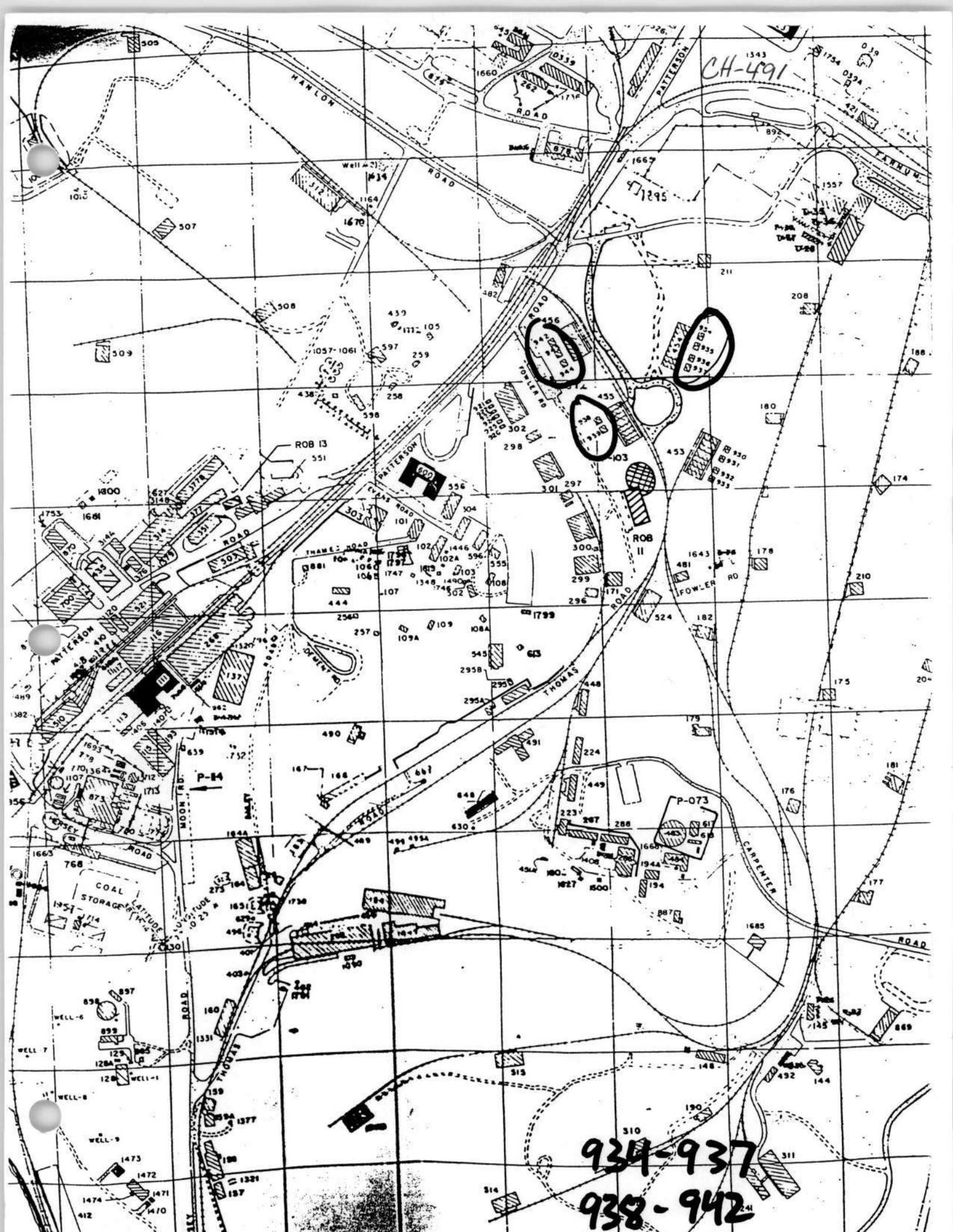
Reviewer, NR Program Date

Buildings 934-939, 942-944 Indian Head

Page 2

Prepared by: R.C. Goodwin & Assoc., Inc.

Date Prepared: 05/06/1998



CH-491

934-937

938-942

ROB I3

ROB II

P-84

P-073

COAL STORAGE

WELL-6

WELL-7

WELL-8

WELL-9

WELL-2

507

509

1800

155

1665

898

128

1474

1164

1670

508

1057-1061

551

1753

1681

2560

490

167

168

1736

403

1331

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1377

1321

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1112

439

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597

259

438

538

102

1024

108

109

109A

543

2958

295A

648

630

499

495A

184

315

314

1660

1667

482

456

302

298

556

304

1022

555

1799

108A

295B

295C

491

448

224

449

223

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1660

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942

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944

CH-491

Bldg. 934-944 TOP 83-01 NNNNNN 0000 045

CHARLES COUNTY, MARYLAND

JOHN MILNER, ASSOC.

1995

JOHN MILNER, ASSOC.

W VIEW OF INERT STORAGE BUILDINGS

**MARYLAND HISTORICAL TRUST
DETERMINATION OF ELIGIBILITY FORM**

NR Eligible: yes
no

Property Name: Buildings 1057 and 1058, Magazines Inventory Number: CH-491/Contrib. Res.
 Address: Naval Support Facility Indian Head Historic district: yes no
 City: Indian Head Zip Code: 20640 County: Charles
 USGS Quadrangle(s): Indian Head
 Property Owner: United States Navy Tax Account ID Number: _____
 Tax Map Parcel Number(s): _____ Tax Map Number: _____
 Project: Contract # N40080-7-D-0311 Task Order 5 Agency: NAVFAC Washington
 Agency Prepared By: The Louis Berger Group
 Preparer's Name: Sarah Groesbeck Date Prepared: 4/13/2011
 Documentation is presented in: _____
 Preparer's Eligibility Recommendation: Eligibility recommended Eligibility not recommended
 Criteria: A B C D Considerations: A B C D E F G
Complete if the property is a contributing or non-contributing resource to a NR district/property:
 Name of the District/Property: _____
 Inventory Number: _____ Eligible: yes no Listed: yes no
 Site visit by MHT Staff yes no Name: _____ Date: _____

Description of Property and Justification: *(Please attach map and photo)*

Setting

Buildings 1058 and 1057 at Naval Support Facility Indian Head are located west of S. Patterson Road, on Pet Box Place. The two buildings are part of a grouping of five identical magazines on the east and west sides of the road. Buildings 1057 and 1058 are next to each other on the west side of the road, facing east.

Description

Buildings 1057 and 1058 are the same basic form: a one-story, one-bay magazine with earthen berm sides and an earth-covered roof. The front elevation has a poured concrete headwall with a small, single-leaf blast-proof metal door. The concrete wall is surmounted by a wood plank. The structures appear to be a modification of the triple-arch (or triple-barrel) igloo (earth-covered) magazine standard plan, as a pair of magazines rather than a group of three. Since access to the interior of the magazines was not available, the structure cannot be more specifically categorized.

Historical Background

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended Eligibility not recommended
 Criteria: A B C D Considerations: A B C D E F G

MHT Comments:

[Signature] 8/4/11
 Reviewer, Office of Preservation Services Date
N/A _____
 Reviewer, National Register Program Date

As the U.S. Navy initiated its World War II expansion, Indian Head was one of only two Naval stations that were equipped with facilities for explosives production. As such, Indian Head became an indispensable asset for the war effort. The role of the powder factory was expanded through the addition of Extrusion Plant facilities, which included, in addition to the extrusion plant, rocket propellant production facilities for small rockets and a research and development facility. In all, the new construction included hundreds of new buildings used for the various research and production activities. Powder factory expansion included new distillation, storage, solvent recovery, and magazine buildings. Most construction began in 1941, with Du Pont serving as the major contractor, and was completed in 1942 (Cleven and Heidenrich 2005:10).

The end of the war brought a temporary slowdown in activities at Indian Head, but worsening relations with the Soviet Union meant that by 1948 the United States was again strengthening its military forces. During the immediate postwar era Indian Head began to switch from the production of smokeless powder to rocket and missile propellants. The Patterson Pilot Plant began operations in the late 1940s, the first research, development, and experimental production facility of solid propellants by the Navy. Concurrent to its construction, the Navy expanded the work of the powder factory to produce propellants. Experimental powders were produced in small batches at the Patterson Pilot Plant. Once powders were successfully tested, they went into full production at the powder factory.

During the 1950s production expanded with the construction of the Cast Propellant Plant, the Biazzi Nitroglycerin Plant, the Nitroguanidine Plant, and the Cordite N Plant. In 1956 the Single Base Line, the main factory corridor of the base, produced its last smokeless powder (Stevens et al. 1995:34). In 1958 Indian Head's name changed to "Naval Propellant Plant," indicating the move away from powder production (Cleven and Heidenrich 2005:11).

In October 1960 Indian Head's responsibility for gun propellants was extended, giving it wide responsibilities for many different types of propellants. The mission of the Propellant Plant in 1960 read: "To manufacture, inspect, test, and deliver missile propulsion units. Manufacture, load, assemble, rework, inspect, and test propellants and components. Perform production engineering to carry out the above functions. Conduct research and development in the field of chemistry, chemical engineering, chemical process development and pilot plant operation for solid propellants. Conduct surveillance and type life programs" (U.S. Naval Propellant Plant 1960:1). Work at the Propellant Plant had been steadily increasing since 1958 when it became even more heavily involved in the missile propellant field. Additional civilian employees were authorized for hire in December 1960 because of the expansion of programs, including the POLARIS missile program. Expansion of physical facilities included the construction of the POLARIS plant, completed in November 1960, at a cost of \$3 million. Existing facilities such as the Explosive "D" plant (located south of the power plant area) were converted for use by the POLARIS program (U.S. Naval Propellant Plant 1960:4-5).

An increased number of magazines were needed for storage of propellants. In the old powder factory area three smokeless powder magazines were modernized to be used for storage of guided missile propellant motors (U.S. Naval Propellant Plant 1960:5). The need for more magazines and new safety procedures was emphasized in August 1960 with two separate explosions in the Cast Propellant Area. On August 17, an explosion occurred in magazine number 732, which housed high explosives. The explosion killed one employee and injured 20. A few days later, on August 23, a small explosion occurred in a small earth-covered concrete reinforced holding magazine used for temporary storage. As a result of the explosions, the Commanding Officer of the Propellant Plant established a Central Space Control Section that controlled all magazine assignments, determined the storage compatibility and the designation of storage on all items, controlled all magazine keys and entry, and directed magazine inspections (U.S. Naval Propellant Plant 1960:9).

The explosions, coupled with increased propellant production and the need to segregate incompatible explosives, created a deficiency of storage capacity (U.S. Congress 1962:4222). During the next few years, a large number of magazines were

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____

Eligibility not recommended _____

Criteria: ___ A ___ B ___ C ___ D Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G

MHT Comments:

Reviewer, Office of Preservation Services

Date

Reviewer, National Register Program

Date

constructed at Indian Head. Seventy-four small, reinforced concrete magazines were constructed and six existing magazines were earth barricaded in late 1961 through 1962. Five new magazines were constructed later in 1962, using modified standardized magazine plans (U.S. Naval Propellant Plant 1961:9, 1962:13). These magazines likely include a number of extant magazines that Indian Head records indicate were built in 1962: Buildings 1057-1061 were constructed along Pet Box Place near the original powder factory; Buildings 1062-1068 were built along the south edge of the Extrusion Plant; and Buildings 1069-1102 were built in the Patterson Pilot Plant.

Earth-covered, or "igloo" magazines began to be developed as a new type of standard ammunition magazine in the late 1920s. The igloo magazine was a low, arched or barrel-arched structure constructed of reinforced concrete and covered with earth on three sides and a concrete headwall. Its arched design directed the force of an explosion up instead of out, the earth covering the structure dampening the force of any explosion. Other advantages of the igloo type included the thermal insulation qualities of the design that eliminated the high temperatures that accelerated deterioration of smokeless powder and munitions. The design reduced the risk of sympathetic explosions and decreased land area requirements, distance between magazines, and distances between magazines and inhabited buildings. Igloo magazines were first tested at Indian Head in 1928 with successful results. Soon after the Navy began constructing igloo magazines at other bases (Murphey and Savage 2000:26-27).

A number of variations on the standard igloo magazine plan were devised during World War II, when demand for ammunition storage structures and concerns regarding material shortage for construction of storage structures were increasing. Plans for the Triple-Barrel Vault, along with the Hunsville magazine and the Corbetta Beehive magazine, were devised as a result (Murphey and Savage 2000:48). Standard plans created during World War II were used by both the Army and the Navy. Though plans were modified during the Cold War era, the basic features of the igloo-magazines remained the same. The triple-barrel vaulted magazines comprised three arched segments that shared common walls, foundations, and loading docks (Dixon et al. 2008:3-4). In 1954 the Navy Chief of Ordnance and the Bureau of Ordnance drafted new guidelines for the construction and operation of ammunition magazine areas and defined eight general types of magazines: subterranean, hillside, mounded (high type), mounded (intermediate type), ammunition shelters, ammunition storehouses, ammunition open storage sites, and special magazines. When ammunition storage was built for purposes other than depot storage, structures were often closer together because the amount of ammunition was less (Dixon et al. 2008:3-18-19).

The group of five magazines built in 1962 appears to be a modification of the triple-barrel magazine. These magazines are smaller arched structure that do not have a full barrel. Buildings 1059-1061 are a full grouping of three, and Buildings 1057 and 1058 are a group of two. It appears that minor modifications to standard plans were made according to the needs of the base and the type of ammunition stored in terms of the number of magazines, spacing, and size. Buildings 1057-1061, for example, have a small, single-leaf blast door rather than double-leaf doors that would facilitate the movement of large stores of munitions.

Indian Head records do not indicate the exact use of Buildings 1057 and 1058 at the time of their construction. The proximity to the old powder plant area and rail lines in that area would suggest that they were used for the storage of propellants manufactured in that area. In late 1961 Indian Head was required to increase the output of propellant grain for the Navy's conventional weapons. Buildings in and around the former powder factory (Single Base Line) area were converted for manufacturing casting powder and cannon powder (cast propellant indicates that propellant was cast directly into a weapon's casing). Buildings were converted for uses such as testing rocket grains at extreme temperatures (Building 599), conversion to be part of the Zuni rocket grain packout facility (Building 466), testing temperature control on extruded-type propellant grains (Building 329), a pneumatic transfer system for handling cast powder (Buildings 313, 1007 and 1009), and a motor preparations facility (Building 292) (U.S. Naval Propellant Plant 1962:5-9).

In 1966 the emphasis at Indian Head shifted from production of rocket and missile propellants to research and development of

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| MARYLAND HISTORICAL TRUST REVIEW | |
| Eligibility recommended _____ | Eligibility not recommended _____ |
| Criteria: ___ A ___ B ___ C ___ D | Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G |
| MHT Comments: | |
| _____ | _____ |
| Reviewer, Office of Preservation Services | Date |
| _____ | _____ |
| Reviewer, National Register Program | Date |

propellants, chemicals, and explosives. As a result the station's name changed again, becoming the Naval Ordnance Station (Cleven and Heidenrich 2005:11).

Eligibility

Buildings 1057 and 1058 are not individually eligible for inclusion in the National Register of Historic Places. The magazines are associated with the increased production at Indian Head as a result of the Cold War, part of a larger process that included the testing and manufacturing of a variety of propellants. The structures appear to have been associated with propellant manufacturing that was taking place at Single Base Line powder factory facilities that had been converted for use in manufacturing casting powder and cannon powder during the late 1950s and early 1960s. As one part of a larger manufacturing process, the magazines do not have an important association with historic events at Indian Head or nationwide that would make them individually eligible under Criterion A.

The magazines are not associated with the lives of significant persons in the past on the national, state, or local level, and are therefore not eligible for the National Register under Criterion B.

Buildings 1057 and 1058 are modifications of a standard magazine type used nationwide by the Navy for ammunitions storage. The majority of all magazines constructed by the Navy were earth-covered, arched-roof, reinforced concrete types similar to the structures being evaluated. Similarly, this type of structure was extensively used during the Cold War era. Within its national context and at Indian Head, the structure is common type and lacks individual distinction that would make them individually eligible under Criterion C.

Buildings 1057 and 1058 are currently non-contributing structures in the Powder Factory Historic District. The district was found eligible under Criterion A for its historical association between 1900 and 1945 as "the first major chemical powder factory operated by the navy and an important supplier of smokeless powder in World War I and World War II" (Stevens et al. 1995:70). It is also eligible under Criterion C for embodying distinctive characteristics of a type, period, or method of construction for its industrial edifices that were designed to house machinery and processes (Stevens et al. 1995:70). Buildings 1057 and 1058, built in 1962, were built after the period of significance and do not contribute to the Powder Factory Historic District. It is recommended that the Powder Factory Historic District's period of significance be reevaluated for expansion through 1966. The Single Base Line area continued to be used through the 1950s and into the 1960s as production shifted from powder to propellants. Further research and survey is needed to determine whether there is a concentration of historic buildings with integrity sufficient to include activities associated with the Cold War production of rocket and missile propellants through 1966, when Indian Head's mission shifted from production to research and development.

The magazines were not evaluated under Criterion D.

Works Cited

Cleven, Brian, and Christine Heidenrich
2005 Historical and Architectural Investigation of 1950s-era Industrial Areas and Miscellaneous Buildings, Indian Head Division, Naval Surface Warfare Center, Indian Head, Charles County, Maryland. Prepared for Indian Head Naval Surface Warfare Center, Indian Head, Maryland, by R. Christopher Goodwin & Associates, Inc.

Dixon, Kathryn, Dean A. Doerrfeld, Christine Heidenrich, and Rebecca Gatewood
2008 Ammunition and Explosives Storage for the Navy (1939-1989) and the Air Force (1946-1989). Prepared for Naval

MARYLAND HISTORICAL TRUST REVIEW
Eligibility recommended _____ Eligibility not recommended _____
Criteria: ___A ___B ___C ___D Considerations: ___A ___B ___C ___D ___E ___F ___G
MHT Comments:
Reviewer, Office of Preservation Services Date
Reviewer, National Register Program Date

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1961 OPNAV Report 5750-5 - Command History of U.S. Naval Propellant Plant, Indian Head, Maryland for 1961. On file, Albert T. Camp Library, Naval Support Facility Indian Head, Maryland.

1962 OPNAV Report 5750-5 - Command History of U.S. Naval Propellant Plant, Indian Head, Maryland for 1962. On file, Albert t. Camp Library, Naval Support Facility Indian Head, Maryland.

MARYLAND HISTORICAL TRUST REVIEW

Eligibility recommended _____

Eligibility not recommended _____

Criteria: ___ A ___ B ___ C ___ D Considerations: ___ A ___ B ___ C ___ D ___ E ___ F ___ G

MHT Comments:

Reviewer, Office of Preservation Services

Date

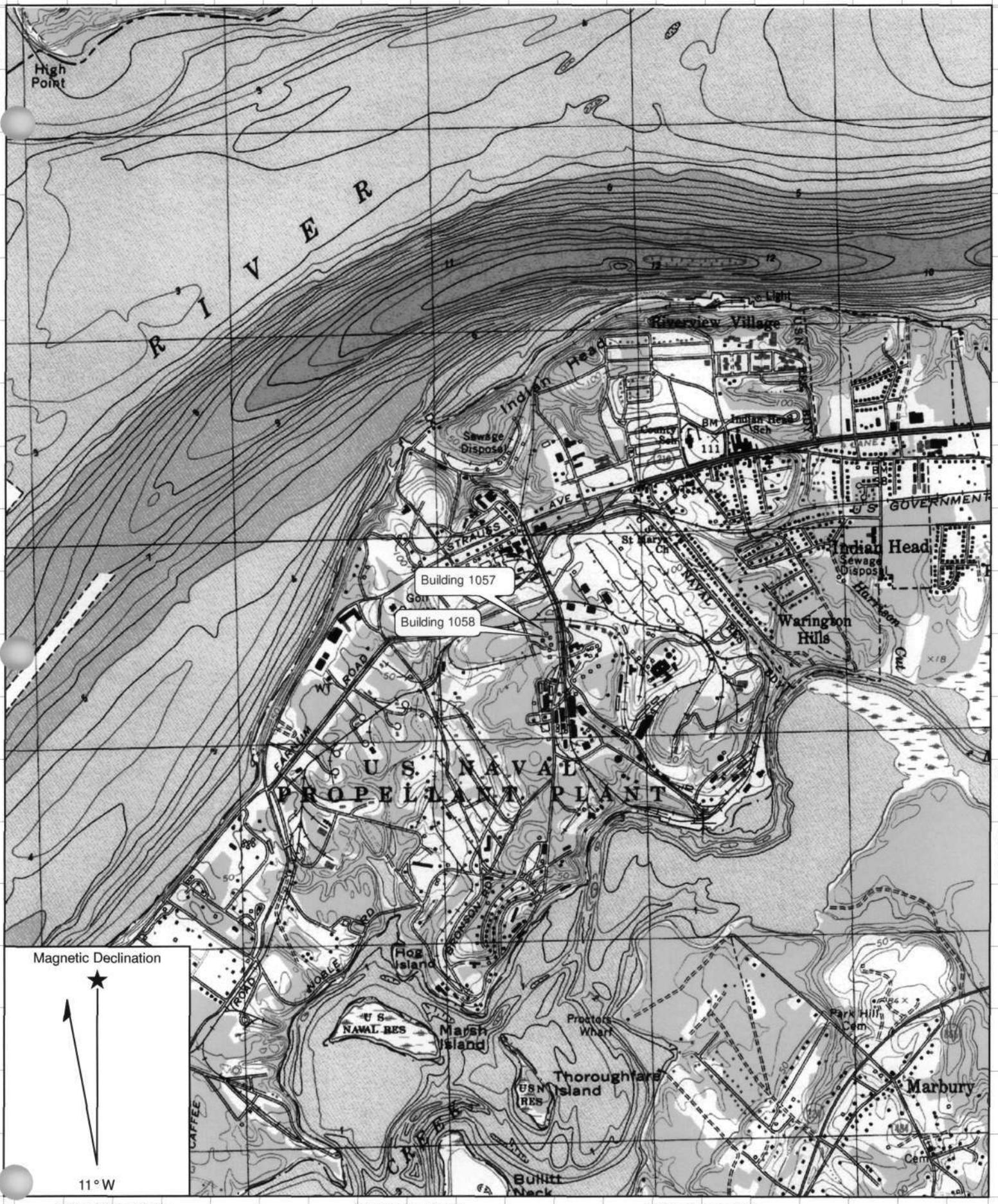
Reviewer, National Register Program

Date

077° 12' 00.00" W

077° 11' 00.00" W

077° 10' 00.00" W



Magnetic Declination



11° W

077° 12' 00.00" W

077° 11' 00.00" W

077° 10' 00.00" W

Name: INDIAN HEAD
 Date: 4/13/2011
 Scale: 1 inch equals 2000 feet

Location: 038° 35' 35.22" N 077° 10' 42.02" W NAD 27
 Caption: Buildings 1057 and 1058
 NSF Indian Head
 CH-491

PHOTO LOG

MIHP # CH-491
BUILDINGS 1057 AND 1058
NSF INDIAN HEAD
CHARLES COUNTY, MARYLAND
THE LOUIS BERGER GROUP, INC.
4/2011

| PHOTO | FILE NAME | DESCRIPTION | INK/PAPER |
|-------|------------------------|-------------------------------|--|
| 1 | CH-491_2011-1-11_1.TIF | Building 1057, East Elevation | Epson UltraChrome Pigmented Ink/Epson Premium Enhanced Matte |
| 2 | CH-491_2011-1-11_2.TIF | Looking South | Epson UltraChrome Pigmented Ink/Epson Premium Enhanced Matte |
| 3 | CH-491_2011-1-11_3.TIF | Building 1058, East Elevation | Epson UltraChrome Pigmented Ink/Epson Premium Enhanced Matte |

1057

EMPTY



CH-491

BUILDING 1057

POWDER FACTORY HISTORIC DISTRICT

CHARLES COUNTY, MD

LOUIS BERGER GROUP

1/2011

MD SHPO

EAST ELEVATION

PHOTO 1 OF 3



CH 491

BUILDINGS 1057 + 1058

POWDER FACTORY HISTORIC DISTRICT

CHARLES COUNTY, MD

LOUIS BERGER GROUP

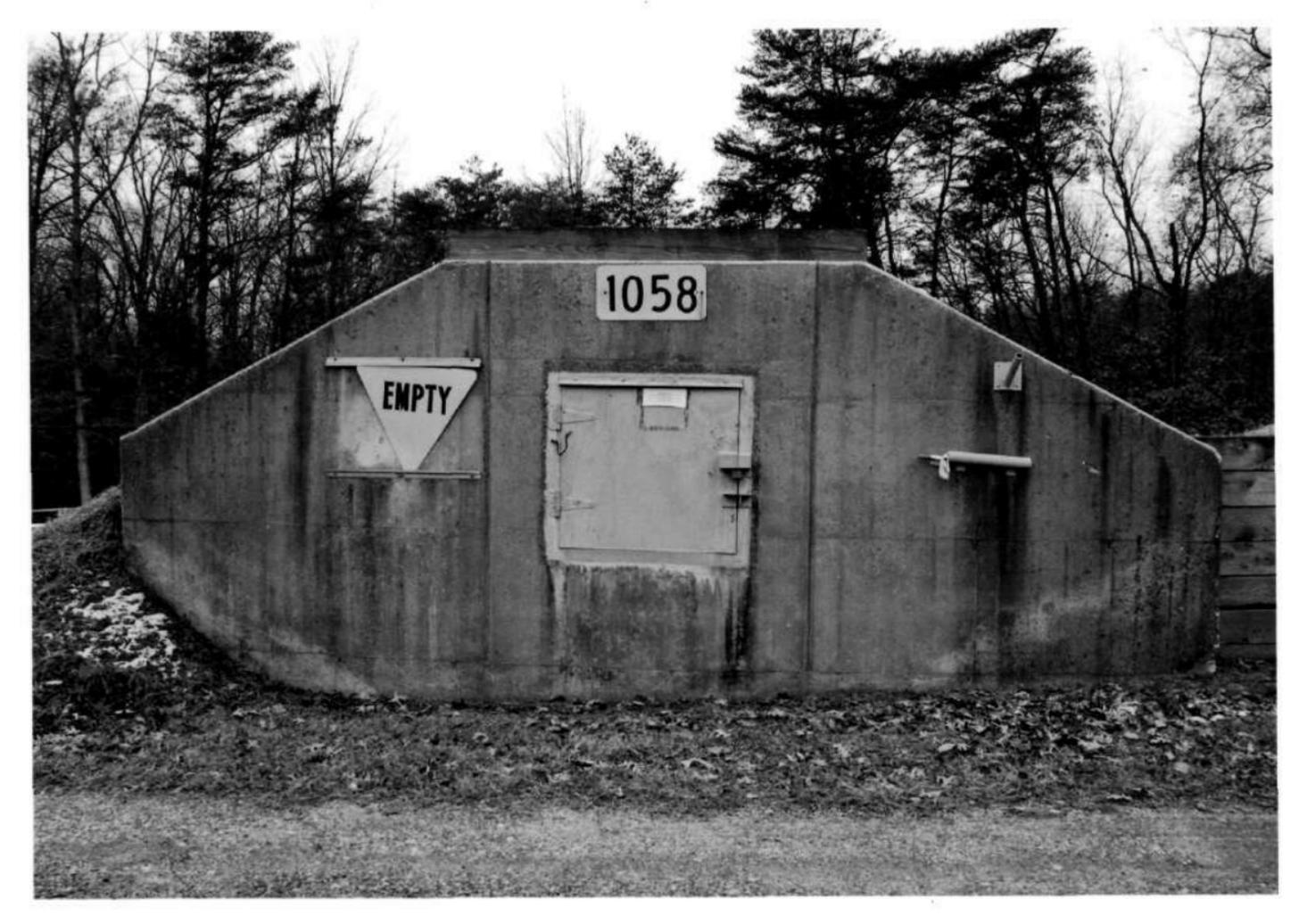
11/2011

MD SHPO

NORTH + EAST ELEVATIONS, LOOKING SOUTH

PHOTO 2 OF 3

Epson
Professional Paper

A black and white photograph of a concrete bunker. The bunker has a gabled roof and a central door. Above the door is a rectangular sign with the number '1058'. To the left of the door is an inverted triangular sign with the word 'EMPTY'. To the right of the door is a horizontal pipe. The bunker is situated on a dirt and gravel area with trees in the background.

1058

EMPTY

Professional Paper

CH-491

BUILDING 1058

POWDER FACTORY HISTORIC DISTRICT

CHARLES COUNTY, MD

LEWIS BERGER GROUP

11/2011

MD SHPO

EAST ELEVATION

PHOTO 3 OF 3

Professional Paper

Epson
Professional Paper