

Capsule Summary

CE-1507

Principio Iron Charcoal Barn Site No. 1

Principio

Private

Circa 1890

The Principio Company was established in 1720. Beginning in 1725, intensive ironmaking activity started at the site and continued until the American Revolution. After the war, Samuel Hughes operated a cannon factory on the site, and, in 1836, the property passed to Joseph and George Price Whitaker, who made a series of capital improvements to it. Today the property reflects the Whitaker era of ownership.

Only stone foundations remain of the frame charcoal barn building. The charcoal barn permitted bulk storage of charcoal and kept it out of the weather. Charcoal was an expensive material in the process of iron production. Consequently, barns were important buildings to any ironworks.

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA

Geographic Organization:

Eastern Shore

Chronological/Development Period (s):

Agricultural-Industrial Transition: 1781-1835

Industrial-Urban Dominance: 1870-1930

Prehistoric/Historic Period Theme (s):

Economic

Resource Type:

Category: Site

Historic Environment: Village

Historic Functions (s) and Use (s):

Charcoal Barn No. 1

Known Design Source:

**Maryland Historical Trust
State Historic Sites Inventory Form**

MARYLAND INVENTORY OF
HISTORIC PROPERTIES

Survey No. CE-1507

Magi No.

DOE ___yes ___no

1. Name (indicate preferred name)

historic Principio Iron Works - Charcoal Barn Site No. 1

and/or common Principio Furnace

2. Location

street & number Maryland Route 7 and Principio Creek Bridge ___ not for publication

city, town Principio Furnace ___ X vicinity of congressional district

state Maryland county Cecil

3. Classification

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

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

name York Building Products

street & number 1020 N. Hartley Street telephone no.:

city, town York state and zip code PA 17405

5. Location of Legal Description

courthouse, registry of deeds, etc. Cecil County Courthouse liber NDS65

street & number Main Street folio 794-98

city, town Elkton state MD

6. Representation in Existing Historical Surveys

title

date ___ federal ___ state ___ county ___ local

pository for survey records

city, town state

7. Description

Survey No. CC-1507

Condition		Check one	Check one
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input checked="" type="checkbox"/> unaltered	<input checked="" type="checkbox"/> original site
<input type="checkbox"/> good	<input checked="" type="checkbox"/> ruins	<input type="checkbox"/> altered	<input type="checkbox"/> moved date of move _____
<input type="checkbox"/> fair	<input type="checkbox"/> unexposed		

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

SEE CONTINUATION SHEET

8. Significance

Survey No.

CE-1507

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

Specific dates **Builder/Architect**

check: Applicable Criteria: A B C D
and/or
Applicable Exception: A B C D E F G

Level of Significance: national state local

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

SEE CONTINUATION SHEET

9. Major Bibliographical References

Survey No. CE-1507

May, Earl Chapin. Principio To Wheeling. New York: Harper & Brothers, 1945.

Robbins, Michael W. The Principio Company. New York: Garland Publishing Co., 1986.

10. Geographical Data

Acreeage of nominated property 90 acres

Quadrangle name Havre De Grace, MD

Quadrangle scale 1:24000

UTM References do NOT complete UTM references

A	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Zone	Easting	Northing

B	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Zone	Easting	Northing

C	<input type="text"/>	<input type="text"/>	<input type="text"/>
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D	<input type="text"/>	<input type="text"/>	<input type="text"/>
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E	<input type="text"/>	<input type="text"/>	<input type="text"/>
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F	<input type="text"/>	<input type="text"/>	<input type="text"/>
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G	<input type="text"/>	<input type="text"/>	<input type="text"/>
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H	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Verbal boundary description and justification

The Principio Iron Works property is bounded by Principio Creek to the east and south, by Maryland Route 7 to the north, and by Principio Station Road to the west.

This boundary encompasses all the resources associated with the historic iron works.

List all states and counties for properties overlapping state or county boundaries

state	code	county	code
state	code	county	code

11. Form Prepared By

name/title Lee R. Maddex, Project Coordinator Sr.

organization Institute for the History of Technology & Industrial Archaeology

date 4/30/98

street & number 1535 Mileground

telephone (304) 293-3829

city or town Morgantown

state WV 26505

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: ~~Maryland Historical Trust
Shaw House
21 State Circle
Annapolis, Maryland 21401
(301) 269-2438~~

MARYLAND HISTORICAL TRUST
DHCP/DHCD
100 COMMUNITY PLACE
CROWNSVILLE, MD 21032-2023
514-7600

CE-1507

Principio Iron Works-Charcoal Barn Site No. 1
Cecil County

Section 7.1

The Principio Company was established in 1720. Beginning 1725, intensive ironmaking activity started at the site and continued until the American Revolution. After the war, Samuel Hughes operated a cannon factory on the site, and, in 1836, the property passed to Joseph and George Price Whitaker, who made a series of capital improvements to it. Today, the property reflects the Whitaker era of ownership. The property consists of the Second Empire-style company office building, two 1920s corn cribs, foundational remains of a circa 1836 barn, a circa 1850 tool house, a 1890s wagon barn, standing remains of a 1890s blacksmith/wheelwrights shop, a 1890 charcoal kiln, a circa 1890 wash house, foundational remains of a scale house, foundational remains of two charcoal barns, 1837 charcoal iron blast furnace with hot blast stove and waterpowered blowing engine, partial remains of a 1890 hoist house, a 1890 blower engine house, and a circa 1850 shanty.

Resource Count: one (1)

The charcoal barn no. 1 was built circa 1890. This charcoal storage building was probably constructed of wood and its above ground configuration is unknown. Only stone foundations remain.

Because charcoal was the most expensive commodity of iron production, charcoal barns were an important buildings for any ironworks. These structures permitted bulk storage of charcoal and keep it out of the weather. This building may have been intended for charcoal cooling.

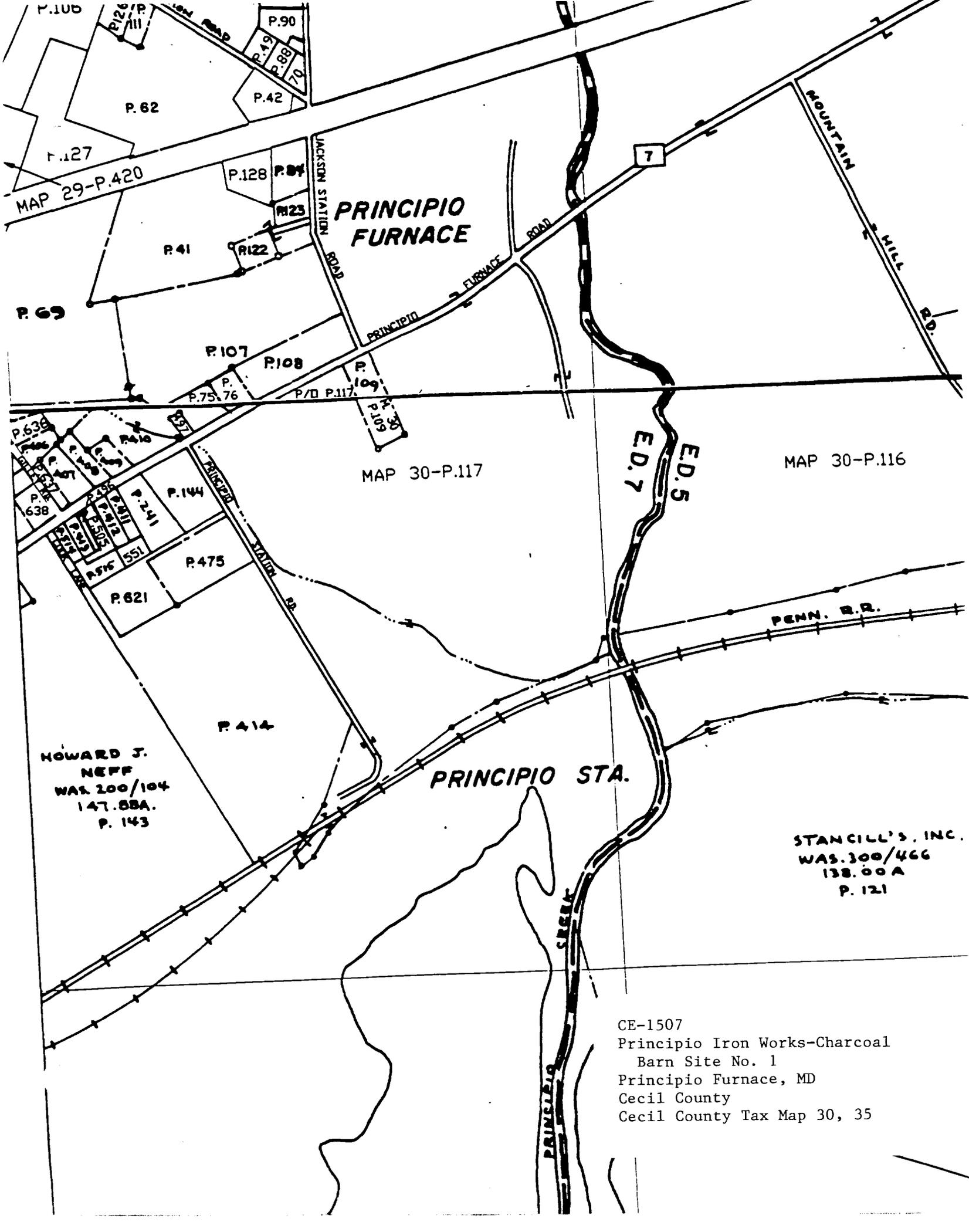
CE-1507

Principio Iron Works-Charcoal Barn No. 1 Foundations
Cecil County

Section 8.1

The charcoal barn site no. 1 is significant under Criterion A for the area of industry. The charcoal barn was an important industrial structure at the Principio Iron Works, permitting the storage of large quantities of charcoal that was required for the smelting and refining processes.

Established in 1720, the Principio Company constructed the Principio Iron Works, the first blast furnace and refinery forge in the Maryland Colony. Located at the head of the Chesapeake Bay, the ironworks plantation consisted of the 1725 Principio Furnace, the 1728 Principio Forge, a store, and dwellings. The Principio Iron Works operated until the time of the American Revolution when they were abandoned. The property was confiscated by the state of Maryland in 1781, and it passed to Colonel Samuel Hughes in 1785. Hughes rebuilt the furnace and added a foundry for the production of cannon. After these works were destroyed by British raiders during the War of 1812, Hughes rebuilt the ironworks, but it bankrupted him and the property passed to his creditors in 1817. The property remained virtually idle for the next two decades when it was first acquired by David Stewart and others in 1834, who in turn sold it Joseph Whitaker II and his brother George Price Whitaker in 1836. The Whitaker brothers completely renovated the aged ironworks, erecting a new blast furnace plant and new worker housing. Importantly, the site was crossed by the recently completed Philadelphia, Wilmington and Baltimore Railroad which created a nexus enabling the ironwork's products to reach larger national markets. Following the Civil War, George Price Whitaker embarked on a second program of capital improvements which included the construction of a new dam, hot blast stove, blowing engine, and waterpowered turbine. Expanding the scope of production at the site, Whitaker, in 1883-84, erected a steampowered forge for the manufacture of wrought iron blooms. The 1837 furnace could not produce enough iron to keep his forge operating continuously and Whitaker commenced a third period of capital improvements to remedy this shortfall. Completed in August 1890, Whitaker erected a cupola-style blast furnace with hot blast stoves, blower engine house, boiler house, hoist house, a cast house, and a charcoal barn, but these improvements were abandoned shortly after his death in December 1890. Control of the property then passed to Whitaker's nephew Nelson E. Whitaker, who chose to close down the furnaces and produce wrought iron blooms only. Bloom production became closely allied with the Tyler Tube and Pipe Company of Washington, Pennsylvania, owned by William P. Tyler, Nelson E. Whitaker's son-in-law. The forge continued to operate until 1925 when production ceased. The storied Principio property reverted to agricultural use.



PRINCIPIO FURNACE

PRINCIPIO STA.

HOWARD J. NEFF
WAS. 200/104
147.00A.
P. 143

STANCILL'S, INC.
WAS. 300/466
138.00A
P. 121

CE-1507
Principio Iron Works-Charcoal
Barn Site No. 1
Principio Furnace, MD
Cecil County
Cecil County Tax Map 30, 35

MAP 29-P.420

MAP 30-P.117

MAP 30-P.116

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7

ED. 7
ED. 5

PENN. R.R.

PRINCIPIO CREEK

JACKSON STATION ROAD

PRINCIPIO FURNACE ROAD

MOUNTAIN HILL RD.

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P. 638

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70

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MAP 29-P.420

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P. 638

← TO PENNAPVILLE

CE-1507

MD RT 7 (POST ROAD)

PRINCIPIO STATION ROAD

CE-112A

CE-1499

CE-1500

CE-1501

CE-1502

CE-1503

CE-1506

CE-1504

CE-1505

CE-1507

CE-1509

CE-1508

CE-1510

CE-1511

CE-1512

PRINCIPIO CREEK



NO SCALE

Principio Inlet Wetlands
RESOURCE SKETCH MAP
MAY 1998

Principio Furnace, Cecil County, Maryland



CE-1507

CHARCOAL BARN SITE No. 1

PRINCIPLO IRON WORKS

CECIL COUNTY, MARYLAND

LEE R. MADDEX

MARCH 1998 MARYLAND SHPD

VIEW OF FOUNDATIONAL REMAINS, LOOKING NORTH

~~10116~~