



# Harper Estuary Redevelopment Project



# Cultural Resources Assessment

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# What is a Cultural Resources Assessment?

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If a project has the potential to affect cultural resources, it may require an assessment of that impact.

- Are there resources that might be affected?
- If so, what are the potential impacts to those resources?
- What steps are recommended to lessen or avoid that impact?

“Cultural Resource Management is, essentially, a process by which the protection and management of scarce elements of cultural heritage are given some consideration in a modern world with an expanding population and changing needs. Often equated with archaeology, CRM should and does include a range of types of properties: cultural landscapes, archaeological sites, historical records, social institutions, expressive cultures, old buildings, religious beliefs and practices, industrial heritage, folklife, artifacts [and] spiritual places” (T. King 2002).

# Why are we doing it?

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Harper Estuary Restoration Project is subject to Section 106 of the National Historic Preservation Act of 1966

- Project has some funding and permitting by federal agencies
- Agencies involved must identify and assess effects of undertakings on historic properties
  - Historic properties are those that are listed or eligible for listing in the National Register of Historic Places (NRHP)
  - Eligible properties can be buildings, structures, archaeological sites, landscapes or traditional cultural properties

# National Register of Historic Places

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Eligibility for NRHP is based on following factors:

- Is at least 50 years old
- Retains integrity of certain physical characteristics: location, design, setting, materials, workmanship, feeling and association
- Meets at least one of the following criteria of significance:
  - a) Is associated with events that have made a significant contribution to broad patterns of our history
  - b) Is associated with lives of persons significant in our past
  - c) Embodies distinctive characteristics of a type, period or method of construction or represents the work of a master
  - d) Yields or may be likely to yield information important in prehistory or history



# Project Area



# Focus on Historic Context and Archaeology

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Early Land Use and the Harper Brick Plant



Archaeological Testing and Site Evaluation





# Ethnography

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HOME of the SUQUAMISH PEOPLE





# Exploration and Trade

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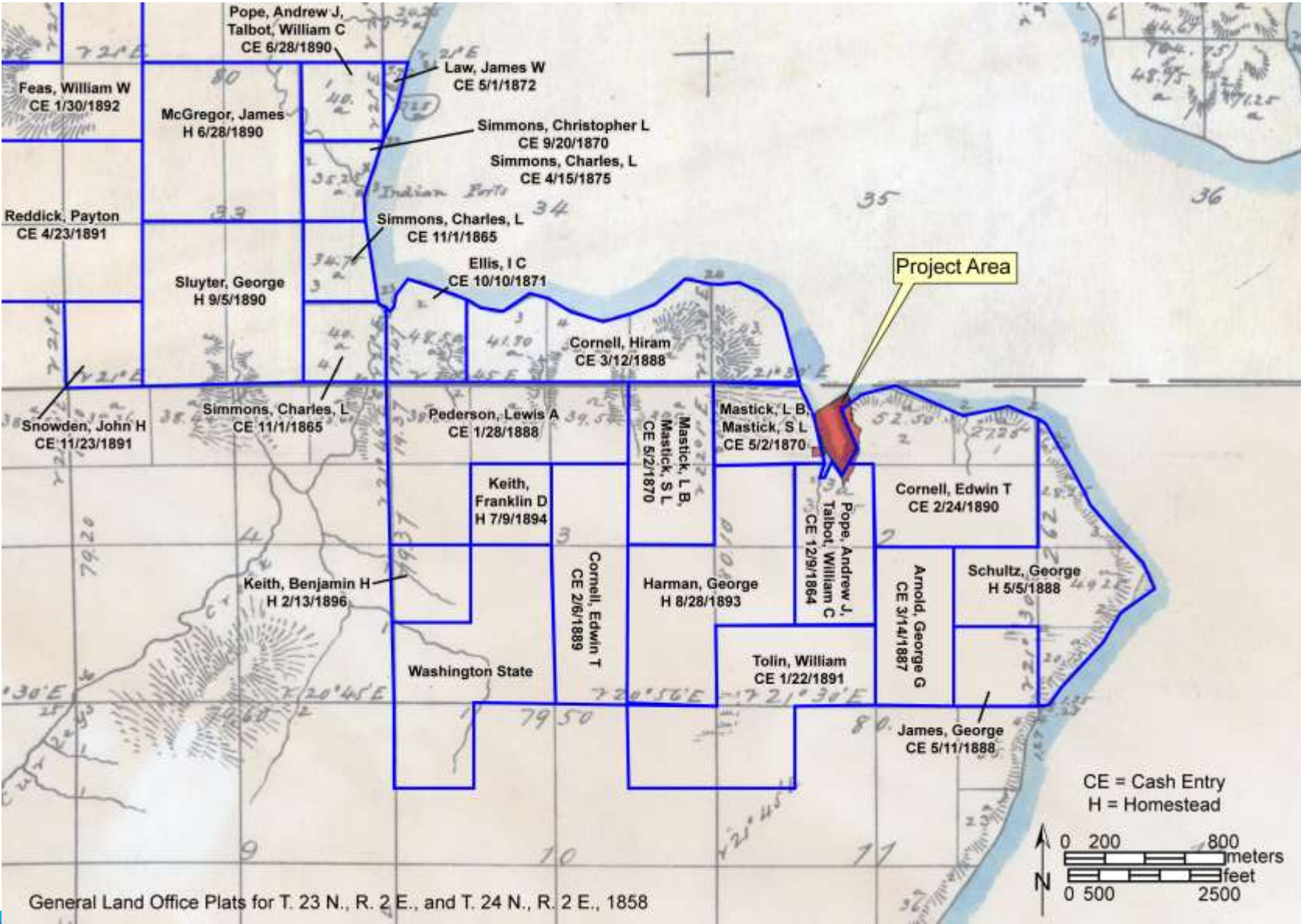
# Timber Industry

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# Land Claims





Andrew Pope and William Talbot  
Puget Mill Company, Port Gamble

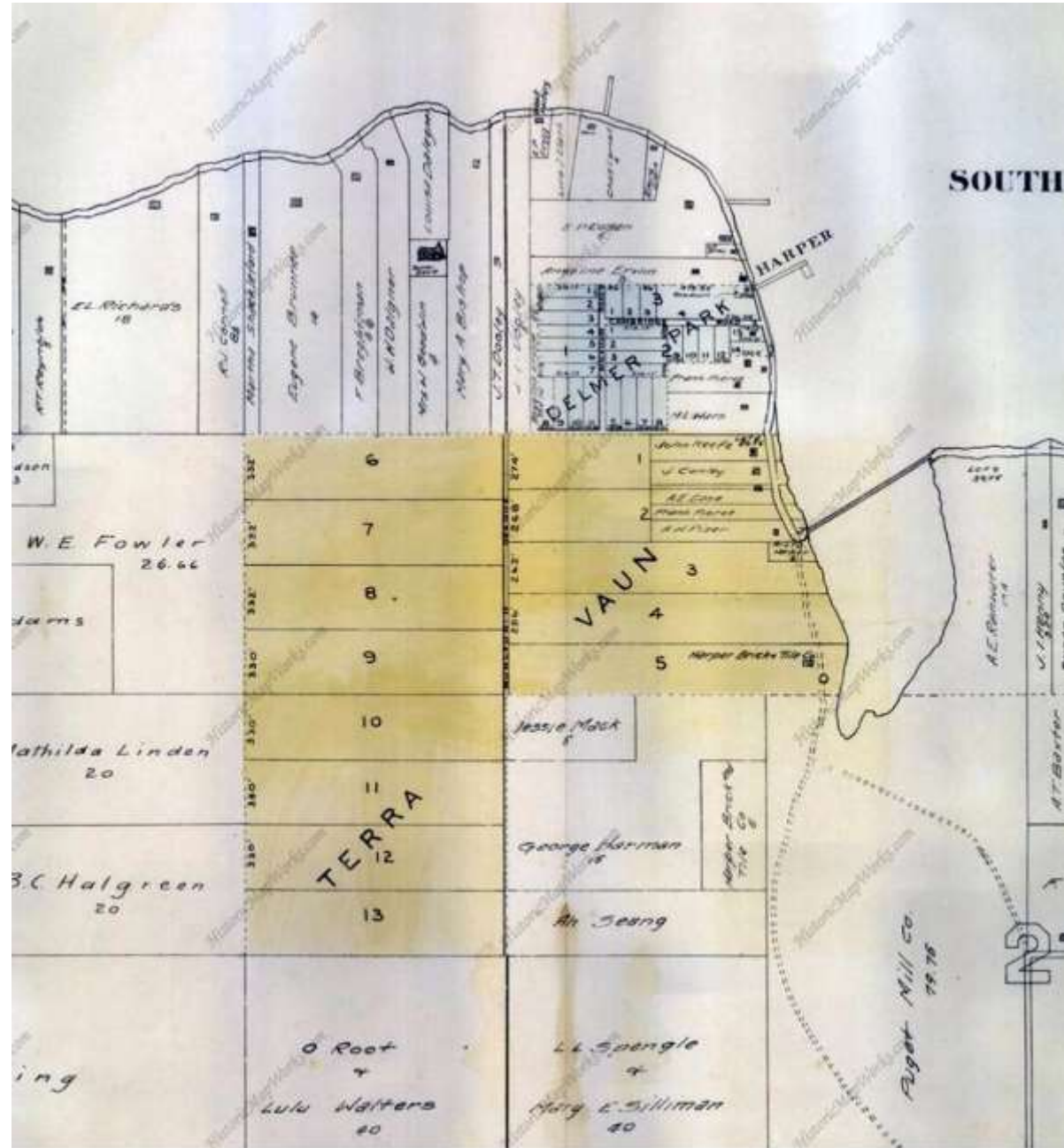


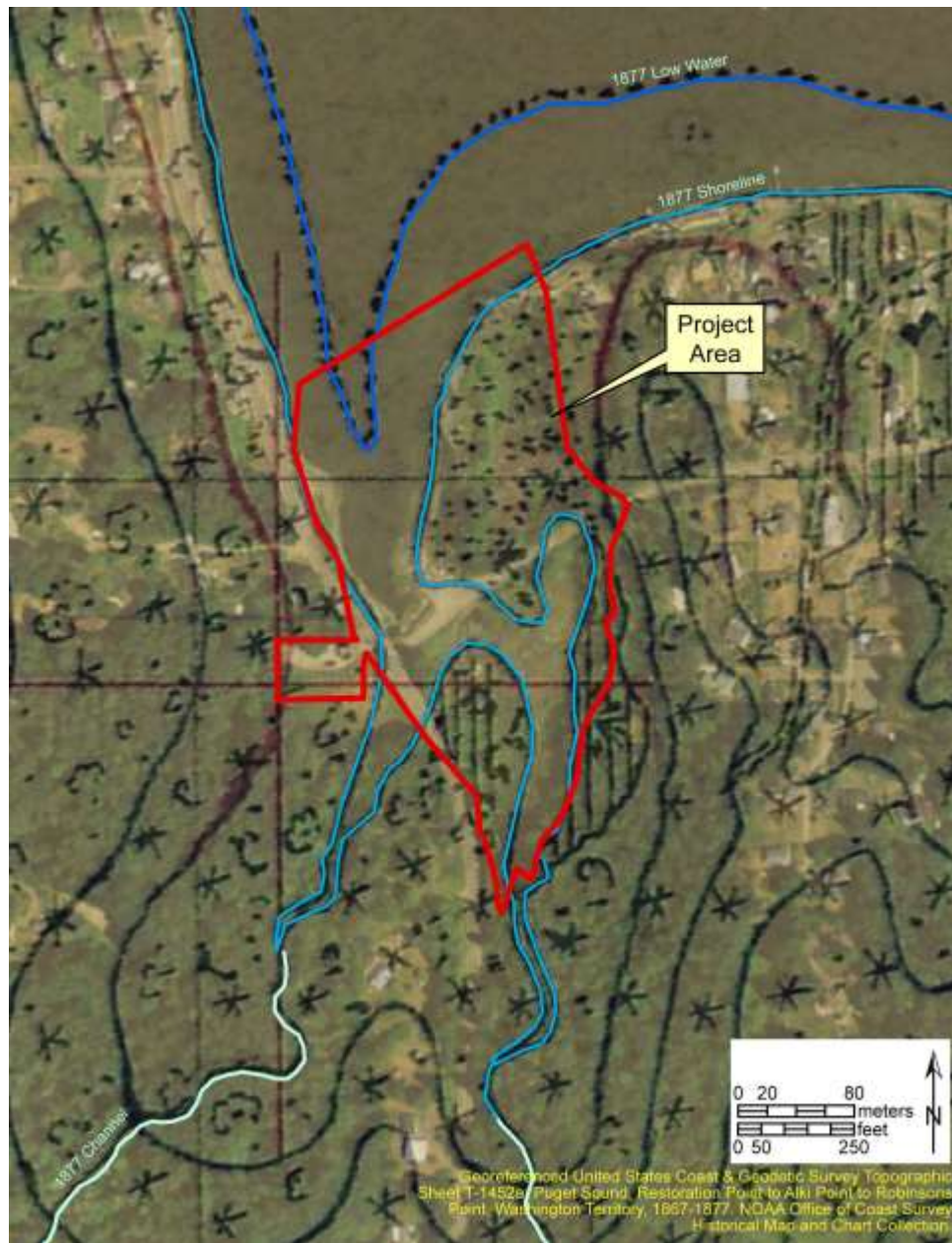
# Levi and Seabury Mastick-1869

- S.E. Mastick Lumber Company, San Francisco,
- Moore and Smith Lumber Company, San Francisco 1883
- Port Discovery Lumber Company 1890

# Anna and W.D. Wohlforth; Laban Locker

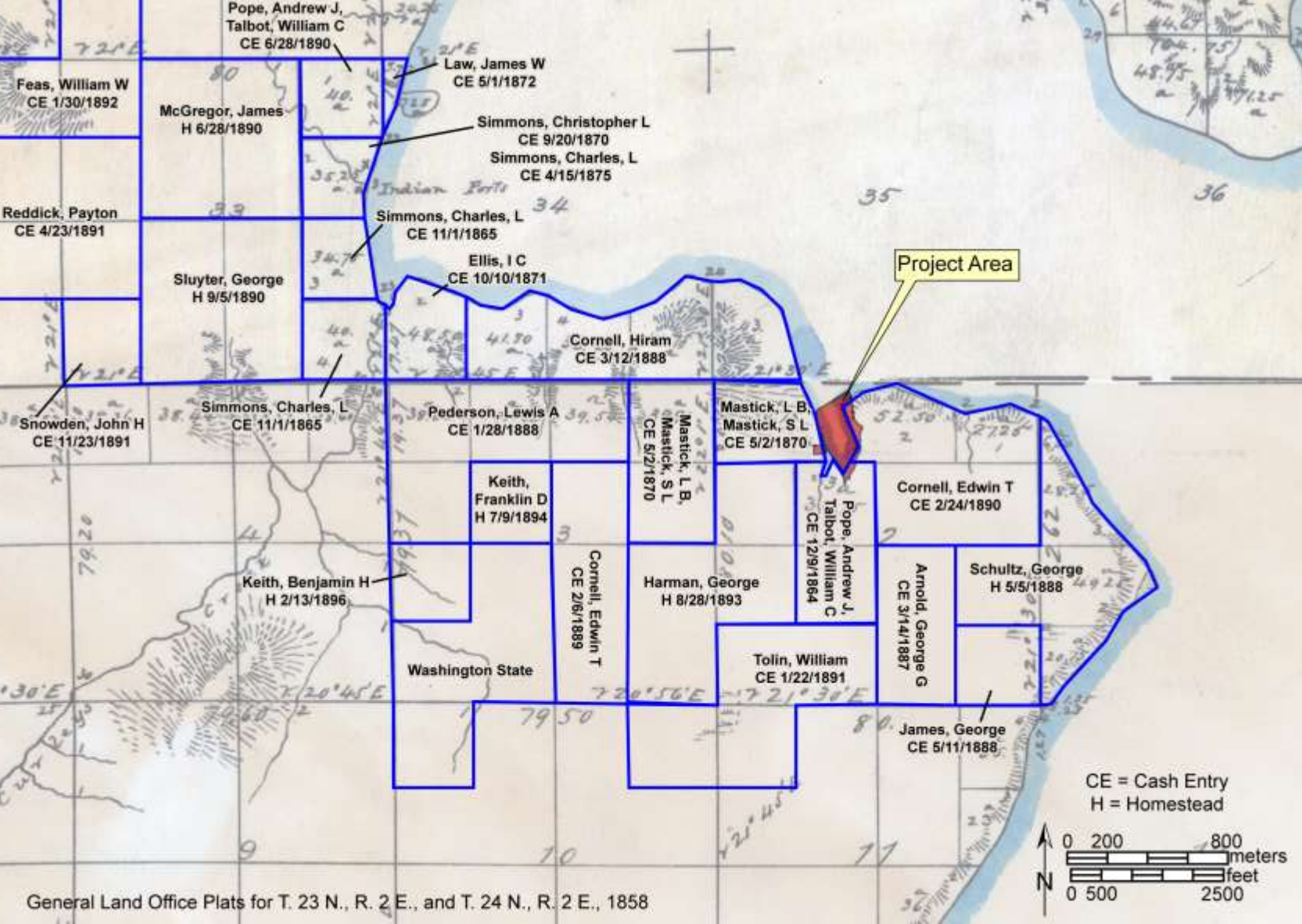
- Terra Vaun Ten-Acre Tracts 1891







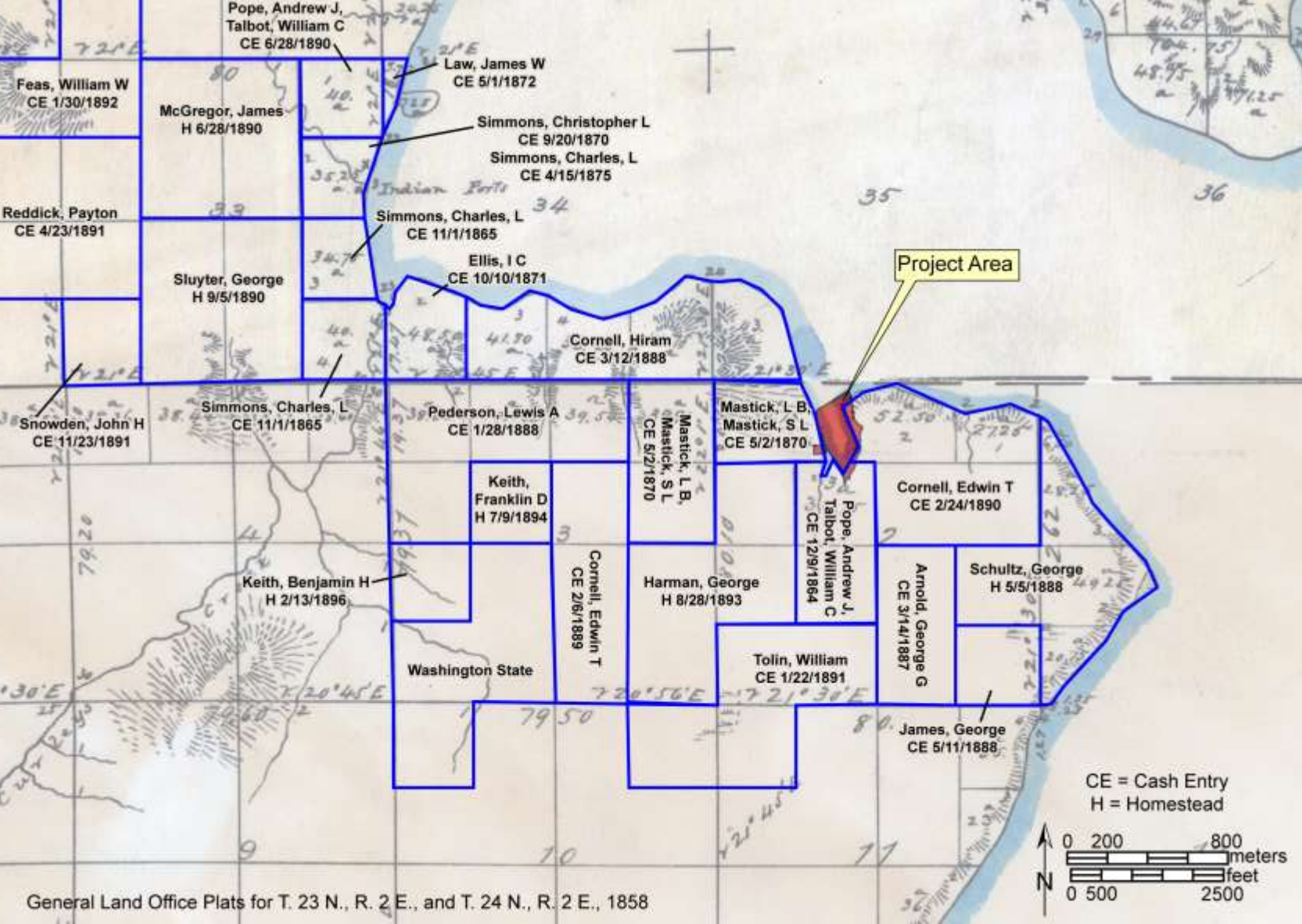
# Land Claims







# Land Claims



# George and Jennie Harmon

Homestead 1887; proof 1893

Harmon's Landing

George Harmon:

- Originally from Germany
- Arrived on Decatur?
- Married Jennie Davis 1879

Jennie Harmon:

- Likely Duwamish heritage
- Conflicting Stories

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THE UNITED STATES OF AMERICA.

Homestead Certificate No. 4498,  
Application 4395, To all to Whom these Presents shall Come--GREETING:

WHEREAS, There has been deposited in the General Land Office of the United States a Certificate of the Register of the Land Office at *Seattle Washington* showing it appears that, pursuant to the Act of Congress approved 20th May 1862, "to Grant Homesteads to Actual Settlers on the Public Domain," and the acts supplemental thereto, the claim of *George Harmon* has been established and duly examined, so that it is lawful for the

*South West quarter of the South West quarter, and the South West quarter of the South West quarter of Section Two and the East half of the South East quarter of Section Three in Township Twenty Three North of Range Two East of Willamette Meridian in Washington containing One hundred and Sixty acres*

according to the official Plat of the Survey of the said Land, returned to the General Land Office by the Surveyor General.

AND KNOW YE, that there is, therefore, granted by the United States unto the said *George Harmon* (abstract of land above described) TO HAVE AND TO HOLD the said tract of land, with the appurtenances thereunto, unto the said *George Harmon* and to his heirs and assigns forever, subject to any rental and annual sales rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights, as may be conveyed and acknowledged by the land owners, laws and decisions of Courts, and also subject to the right of the proprietor of a vein or lode, to extract and remove therefrom, should the same be found to exist, or to extract the premises hereby granted, as provided by law.

IN TESTIMONY WHEREOF, I, *Amos Blewland* President of the United States of America, have caused these letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

Given under my hand, at the City of Washington, the *twenty eighth* day of *August* in the year of our Lord one thousand eight hundred and *ninety three*, and of the Independence of the United States the one hundred and *eighteenth*.

BY THE PRESIDENT: *Amos Blewland*  
By *B. Macfarland* Register,  
Recorded Feb. 11, 1893, at *Seattle*, Wash. D. C. *Harmon* Register of the General Land Office.

Witness my hand and the Seal of the Department of the Interior, at Washington, D. C., this *twentieth* day of *December* A. D. 1893, and certified at the request of *Amos Blewland* Deputy Register *W. H. Davis*

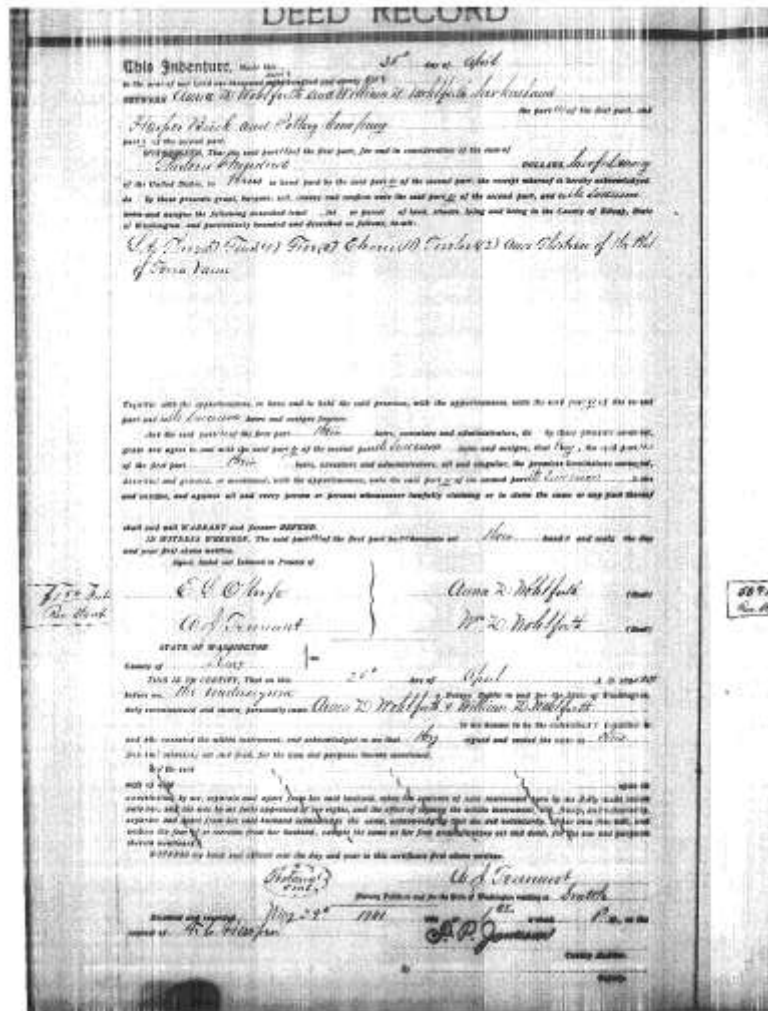






# Beginnings of the Brick Industry

Edmund Smith





# Harper Brick and Pottery Company

Article 10



To All To Whom These Presents Shall Come,

*I, Sam H. Nichols, Secretary of State of the State of Washington, do hereby certify that the annexed copy of the Articles of Incorporation of the Harper Brick and Pottery Company (of Seattle Wash.) has been compared by me with the original copy of said Company's articles now on file and record in this Department and that the same is a true copy thereof and of the whole thereof together with all official instruments thereon.*



*In Testimony Whereof, I have hereunto set my hand and affixed the Seal of the State of Washington at the Capital City of Olympia this 25th day of April, A.D. 1900.*

*Sam H. Nichols*  
Secretary of State

*By Ben A. Neal*  
Assistant Secretary

416325

111.

The office and principal place of business of this corporation shall be in the City of Seattle, King County, Washington.

In witness whereof, we have hereunto set our hands and seals in triplicate, this 25th day of April, A.D. 1900.

Signed, Sealed and Delivered in presence of:-

F.O. Harper	(Seal)
H.L. Grendahl	(Seal)
E.L. Wallinger	(Seal)

A.J. Thompson,  
E.L.O. Koops,

State of Washington, )  
County of King, )

On this 25th day of April, A.D. 1900, before me, the undersigned, a Notary Public in and for the State of Washington, duly commissioned, sworn and qualified, personally appeared the within named F.O. Harper, H.L. Wallinger and H.L. Grendahl, to me personally known to be the identical persons described in and who executed the foregoing Articles of Incorporation in triplicate, and acknowledged to me that they executed the same freely and voluntarily as and for their free and voluntary act and deed, for the uses and purposes therein mentioned.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(Notarial Seal)

I do hereby certify that the above is a true copy of the original and of the whole thereof.

A.J. Thompson,  
Notary Public in and for the State of Washington, residing at Seattle.

Witnessed:

Filed for record in the office of the Secretary of State of the State of Washington—Apr. 25, 1900.

Recorded in Book 87, Page 264. Domestic Corporations.

Sam H. Nichols, Secretary of St. Wa.

416325

# Frederick Crane Harper







# Harper Brick and Tile Company 1904

Company reorganized and incorporated with capital stock at \$50,000. Frederick Harper remained as president.

# Harper Brick and Tile

## Brick-Making Process

- Typical glacial clay
- Brought to plant by tram
- Tempered in horizontal pug
- Shaped by upright auger
- Automatic cutting table/repress
- Drying machine
- Burned in kilns
- Shipped by barge



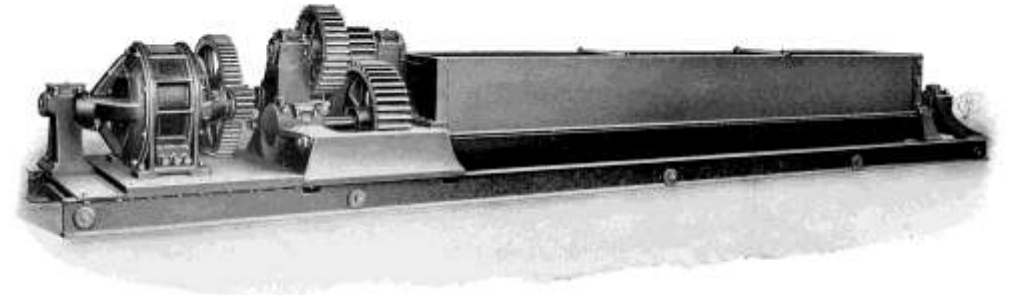


# Clay Beds, Tram Car and Horizontal Pug

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Shedd, Clays and Clay Industry of Washington (1910), Plate IV.

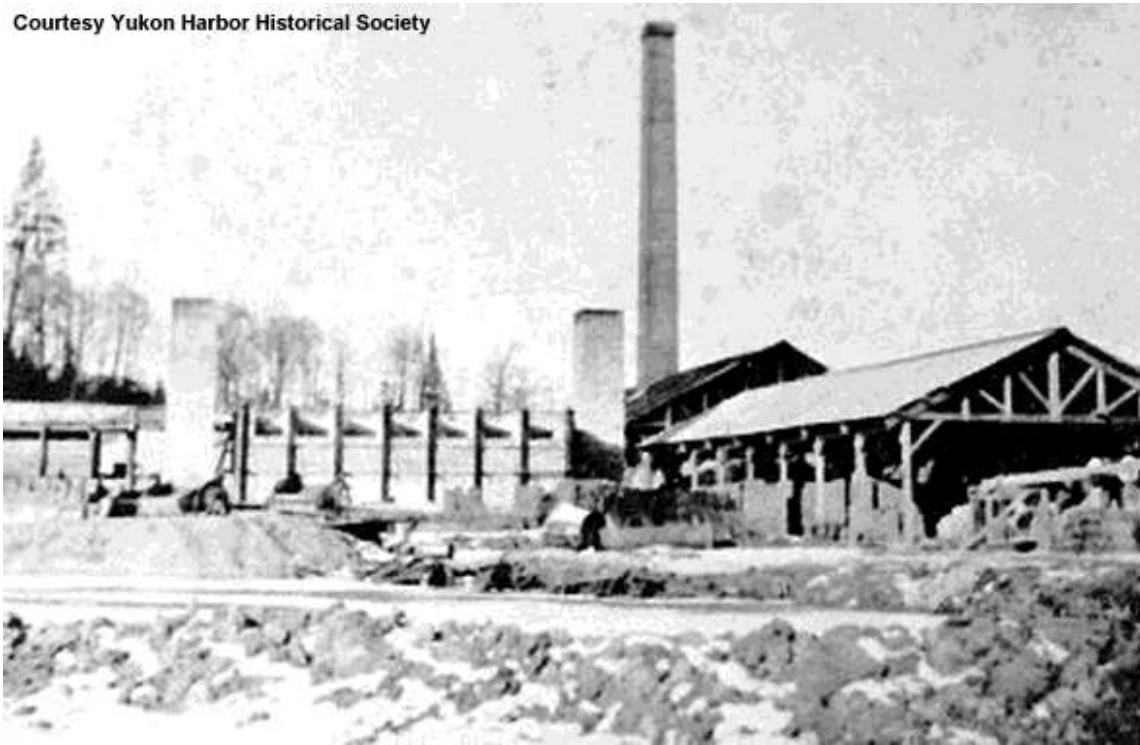


MOTOR DRIVEN PUG MILL, THE AMERICAN CLAY MACHINERY COMPANY

# Plant for Sale: 1908

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Courtesy Yukon Harbor Historical Society



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## **FOR SALE CHEAP**

**A complete modern brick plant. Capacity 30,000  
brick per day. Waste Heat Dryers, 64 acres land.  
Unlimited good clay. Good reason for selling.**

**Terms apply to**

**Harper Brick & Tile Co. Seattle, Wash.**

**L. S. Wood pres.**

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# Harper-Hill Brick Company: 1909

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Thomas Lippy, President



THOMAS S. LIPPY

# Expanded Business

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Property of University of Washington Libraries, Special Collections Division

ESTABLISHED  
ON  
LAKE UNION

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DELIVERY CENTER  
OF SEATTLE

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**Harper-Hill  
Brick Co.**

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BRICK AND TILE  
ARE  
EVERLASTING

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North End Delivery  
a Specialty

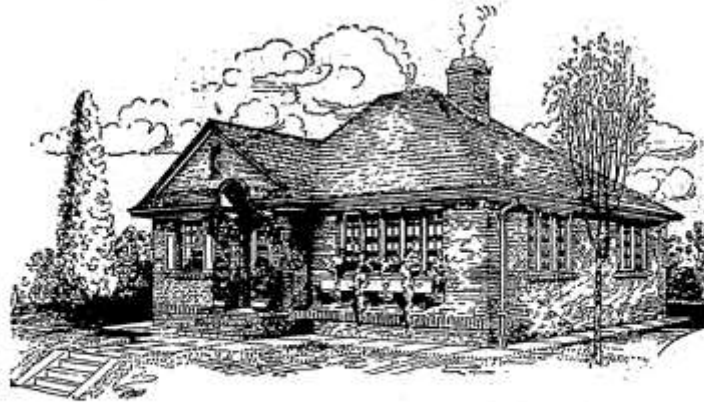
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CALL  
**Brick and Tile Delivery Co.**  
ELLIOTT 893



# Harper Clay Products: 1918

- Lippy reincorporated with capital stock of \$50,000
- Lippy sole owner with two shares to other officers
- Debt to previous owners not paid
- Part of Manufacturers Association



## Beautiful Small Brick Home

Costing only \$300 More than Frame

**P**ROOF that one may build a brick home, with its beauty, dignity, warmth, comfort and economy of upkeep, at only a slight increase in cost over a frame structure, is presented in the illustration above of a most popular design of the Architects Small Home Service Bureau.

This home, of five rooms, bath and half-basement, is designed for beauty, comfort and economy of construction. It was recently built in frame—in a Northwest city—for \$5,254. It can be constructed of brick, as pictured above, for only \$300 additional.

The Pacific Northwest Brick Manufacturers Association guarantees that the brick work on the above house, including material and labor for walls, chimney and fireplace will not cost to exceed \$838, on contracts let in the

next thirty days, adding only \$300 to the total cost.

Cost is no bar to the use of brick in home building. The expense of using brick approximates six per cent more than good all-frame construction.

The additional cost of using brick is saved in the first five or six years in the painting cost alone. Brick walls do not have to be painted; they grow more beautiful with age.

The brick home is much cheaper to maintain than the frame home. The brick walls keep out cold and dampness, saving largely on the fuel bill. They preserve the interior woodwork, saving cost of repairs.

Should you wish to sell, the brick home will bring a much higher price than would frame.

Plans for the above home, No. S-E-1 (Reick) are on file in the Seattle and Portland offices of the Association. We shall gladly advise anyone wishing information and assist in getting reliable cost figures.

## PACIFIC NORTHWEST BRICK MANUFACTURERS ASSOCIATION

524 Burke Building, Seattle

Phone ELLIOTT 9197

Balliett Brick Co.  
Denny-Keston Clay & Coal Co.  
Lake Union Brick & Fireproofing Company.  
Harper Clay Products Co.

Olympic Brick Works.  
Puget Sound Brick & Tile Co.  
Seattle Brick & Tile Co.  
Everett Brick Works, Everett, Washington.

# Receivership: 1927-1928

Harper Clay Products filed for receivership in October 1927

IN THE SUPERIOR COURT OF THE STATE OF OREGON  
 IN AND FOR THE COUNTY OF WASH.

H. H. BRIDGES & CO., a corporation,  
 Plaintiff,  
 vs.  
 HARPER CLAY PRODUCTS CO., a corporation,  
 Defendant.

JUL 11 1928

AGREEMENT

It appearing to the court that H. H. BRIDGES and JOHN G. REYNOLDS, as receivers of the HARPER CLAY PRODUCTS CO., a corporation, have in their possession certain real and personal property consisting of the brick making plant, machinery and equipment and the real estate upon which the same is situated, near Harper, Kitsap County, Washington, and that it is advisable that said receivers sell said property at an early date as possible, and the court being fully advised:

IT IS HEREBY ORDERED:

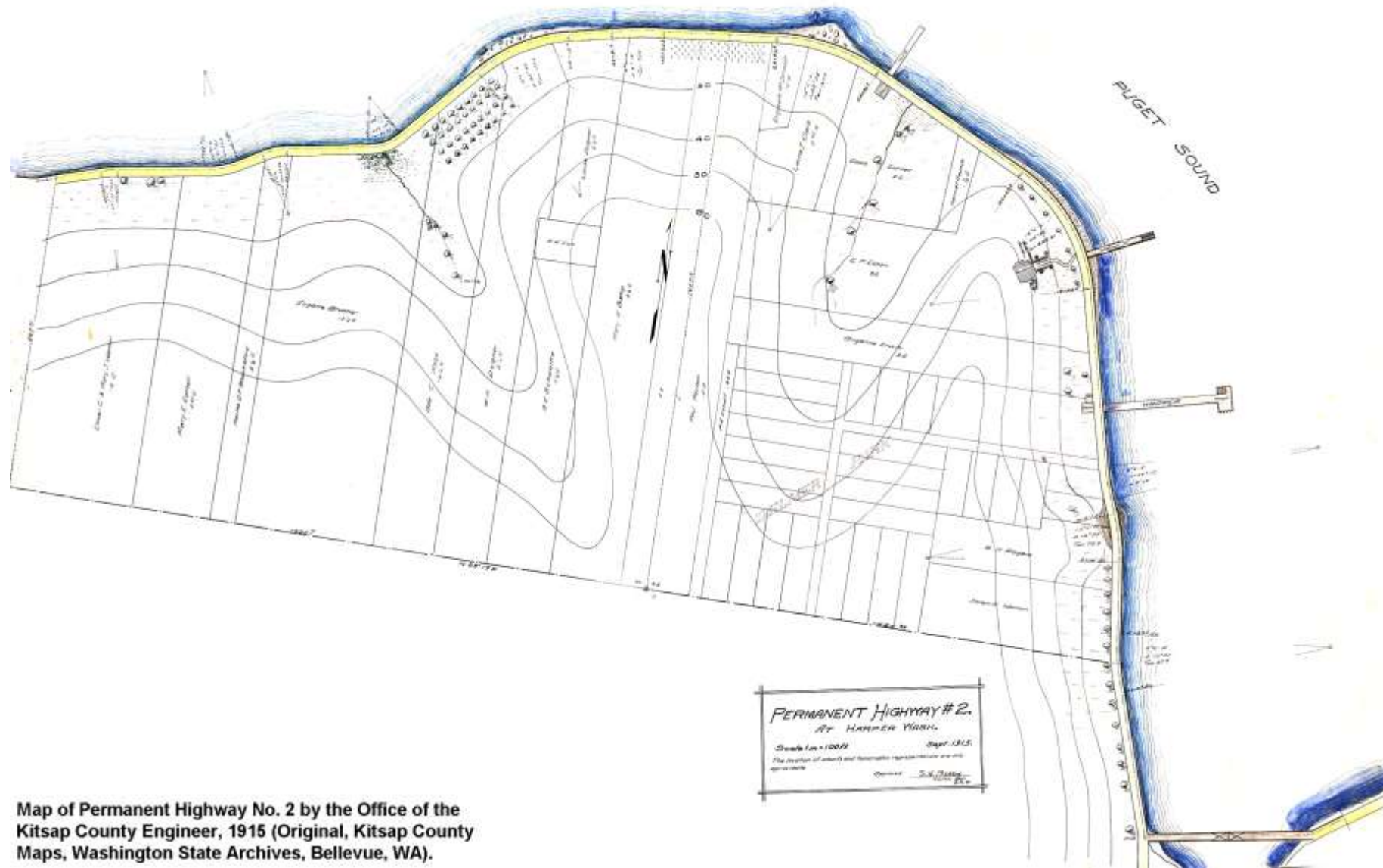
1. That the receivers of said defendant be and they are hereby authorized, directed and ordered to offer the properties of the defendant corporation for sale (and sell the same subject to confirmation if satisfactory bid or bids shall be received) in the court room of Department No. 13 of this court before the undersigned judge thereof or such other judge as may then be sitting on the 31st of July, 1928, at 10:30 o'clock A.M. or as soon thereafter as the same can be heard, for cash or part cash and terms on the balance of the purchase price, in such lots and parcels as may be determined by the receivers or desired by bidders, subject to the mortgage, unpaid taxes and other liens, encumbrances and adverse claims, wholly or in part or free therefrom as bidders may desire.
2. That all persons desiring to submit bids for said properties, or any portion thereof, shall present in said courtroom on or before July 30th, 1928, written bids therefor specifying the property for which said bid is submitted, the price and terms therefor and whether subject to or free from existing encumbrances.
3. That notice of the sale and call for bids shall be given by selling to all creditors of the said corporation, or to their attorneys or record, who have filed claims against said corporation with the receivers, to their last known post office address and such other notice as the receivers shall think proper may be given by publishing in such newspaper or other publication for such time prior to the day of sale as the receivers may think proper.

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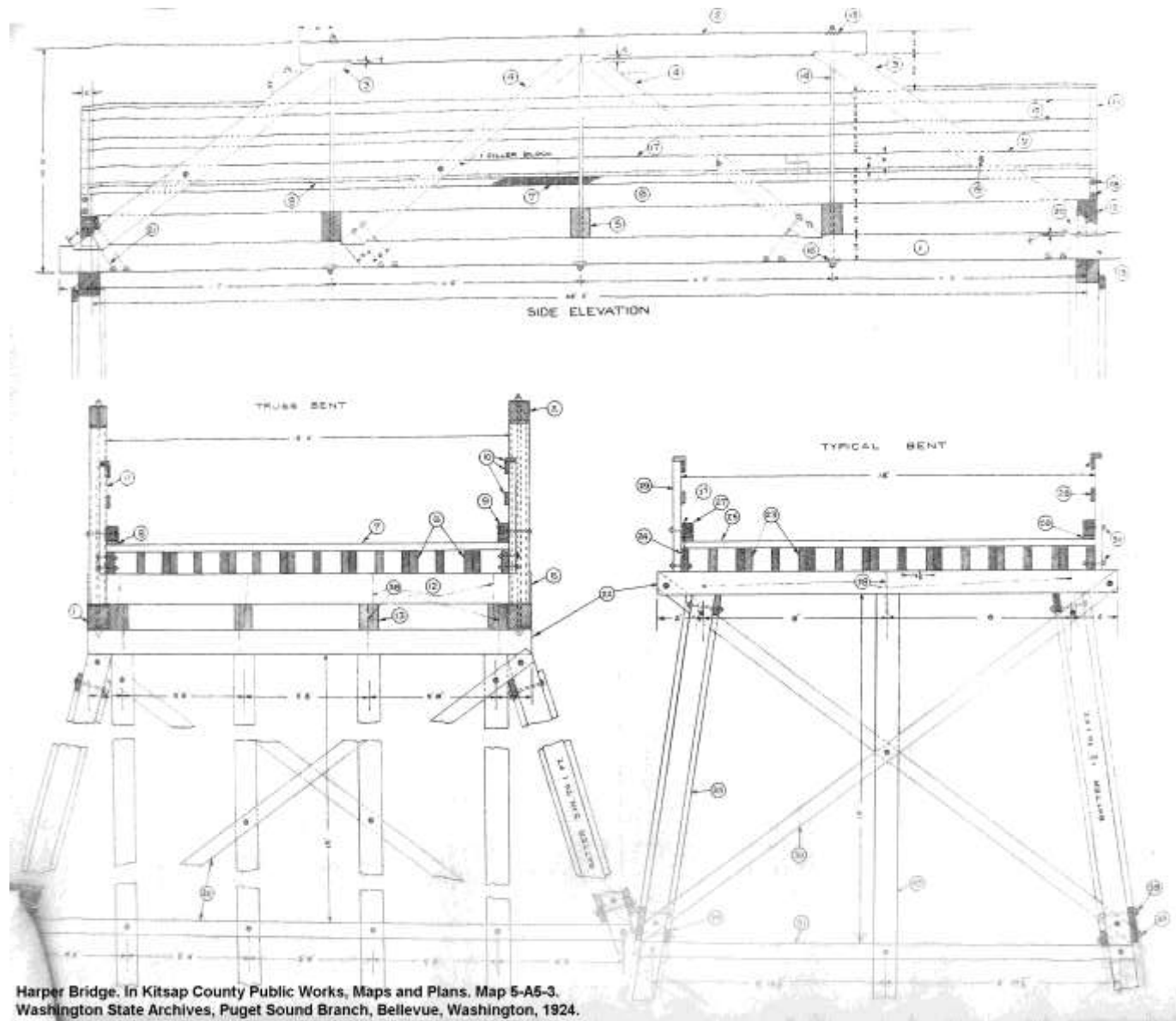
FINANCIAL STATEMENT

Clay Deposit	97,000.00
Office Furniture and Fixtures	710.00
Clay Mill Machinery	74,000.00
Plant Building	30,000.00
Plant Machinery	10,000.00
Power Building	2,000.00
Raw Material	10,000.00
Drying Building	5,000.00
Drying Machinery	12,000.00
Burning Building	30,000.00
Burning Machinery	1,000.00
Truck Equipment	1,000.00
Tools	500.00
Boarding House	500.00
Real Estate (7 acres)	1,000.00
	200,000.00





Map of Permanent Highway No. 2 by the Office of the Kitsap County Engineer, 1915 (Original, Kitsap County Maps, Washington State Archives, Bellevue, WA).



Harper Bridge. In Kitsap County Public Works, Maps and Plans. Map 5-A5-3. Washington State Archives, Puget Sound Branch, Bellevue, Washington, 1924.













# Archaeological Fieldwork

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# Digging By Hand

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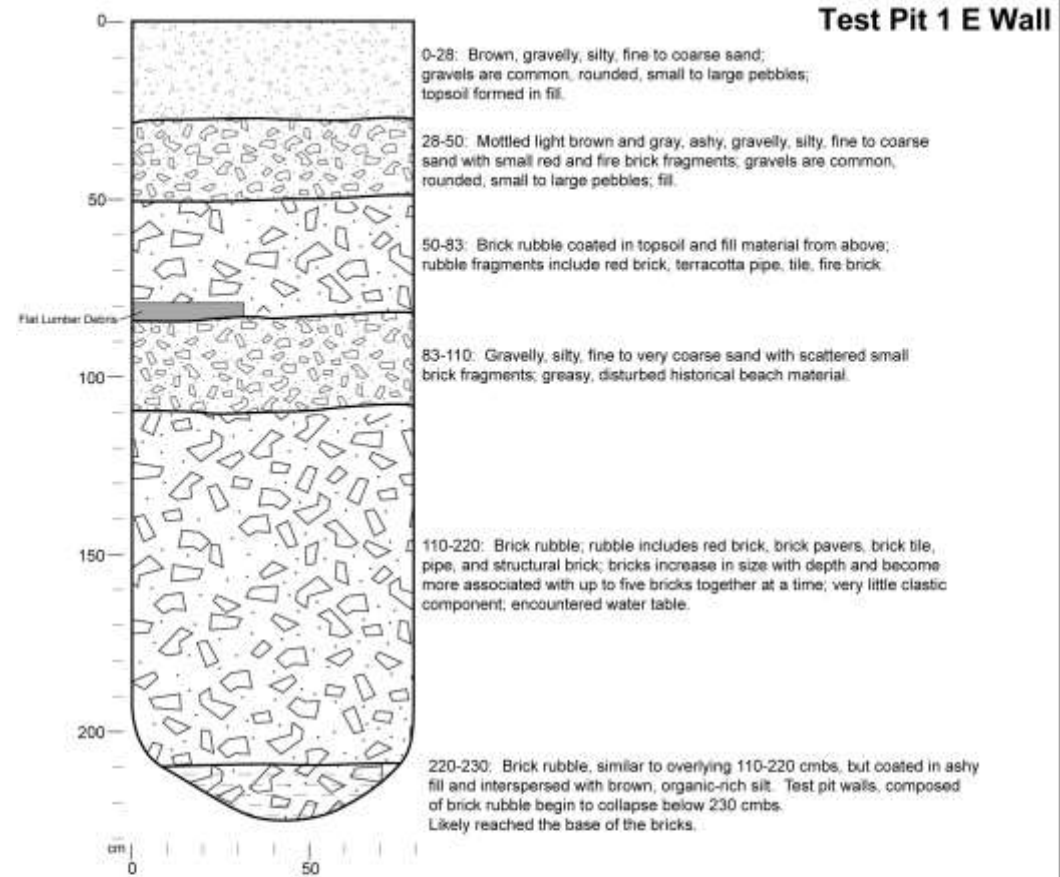


# Digging by Machine

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# Profiles





# Bricks, Bricks

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# And More Bricks

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# Types of Brick

- Structural Brick Tile
- Pipe
- Common Red Brick
- Clinker Brick
- Over-Fired Clinker
- Fire Brick
- Combed Brick
- Mud on Brick





# ANALYSIS AND CONCLUSIONS

Many Thanks to the Following:

Washington Department of Fish and  
Wildlife

Kitsap County

And the many community members  
who make Harper a special community

