11°12'00"

deeds.

SURVEYOR'S REPORT:

Woodbury Road layouts).

MAGNETIC BEARINGS:

 ${
m T}$ he basis of Grid Magnetic Angle (difference between Magnetic north and Grid north) for this plan was a magnetic compass observation at the initial field visit, being the local practice in the vast majority of surveys. The magnetic meridian is inferior to the celestial true north in that one surveyor can easily observe different bearings on an initial line of survey than another surveyor in the same location. This, as well as the constantly moving magnetic north pole throughout history, is the primary reason different bearings can be shown by two different surveyors for the same property line.

This however should not lead one to believe a survey is inaccurate or imprecise compared with another. After the initial magnetic compass observation, a surveyor uses a very accurate and precise modern total station (transit) to "turn" (measure) the interior angles of the locus property. These legal interior angles of the boundary geometry of any particular property will usually agree with other surveyors, all things being equal.

 ${
m H}$ istorical declination from 1792, the year of the DeGregoire conveyances, was obtained from software provided by the Solid Earth Geophysical Division of the National Geophysical Data Center of the National Environmental Satellite, Data, \$ Information Service of the National Oceanic \$ Atmospheric Administration of the U.S. Commerce Department. This software outputs a magnetic north difference to True North (Declination) based on location latitude/longitude and desired year back to 1750. In this case the G.P.S. observed Grid North - convergence angle (In this region of the zone 12 minutes east of True North) and the software's 1792 declination, resulted in a 1792 magnetic bearing that checked well with Cardinal North in the DeGregoire

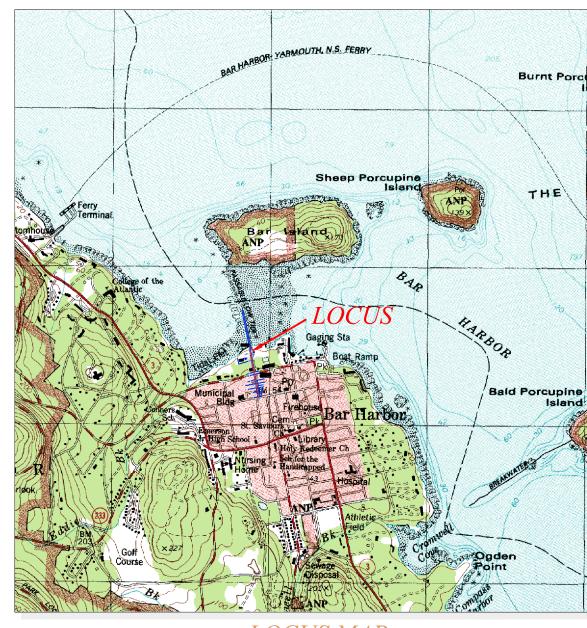
ELIZABETH D. HODDER

I BRIDGE STREET BOOK 1608-PAGE 428 TAX MAP 102 LOT 1

"ALOHA"

BARTHOLOMY & MARIE THERESA nee de la Motte Cadillad **DeGREGOIRE**

> BOOK 2-PAGE 555 MARCH 28, 1792



LOCUS MAP BAR HARBOR 1982 USGS QUAD SHEET

SCALE 1"=2000'

LEGEND

IRON ROD FOUND

IRON PIPE FOUND

UTILITY POLE **GUY ANCHOR**

HYDRANT

SIGN

LII

BAR HARBOR HISTORIC DISTRICT

N10°22'47"W

WATER VALVE

- SURVEYED LINE

SAM ADAMS HISTORICAL OPERATIVE

CATCH BASIN

5/8" REBAR PROPOSED

OVERHEAD UTILITY LINE

---- APPROXIMATE ABUTTER'S LINE

HISTORICAL PARCEL LINE

DEED CALL

SANITARY MANHOLE

CONIFEROUS TREE

§ 125-18. BAR HARBOR HISTORIC DISTRICT:

A.Mınımum lot sıze: 40,000 square feet. B.Mınımum road frontage and lot width: 100 feet. C.Mınımum front setback: 25 feet [edge of lot line see § 125-67 B. (2)].

D.Minimum side setback: 25 feet. E.Mınımum rear setback: 25 feet. F.Maximum lot coverage: 35%.

G.Maxımum height: 40 feet. H.Minimum area per family: 40,000 square feet.

BAR HARBOR TENNIS CLUB

III WEST STREET BOOK 4222-PAGE 205 TAX MAP 104 LOT 9

JEAN P. SMITH

STEVEN S. & SUSAN J.

RAAB

112 WEST STREET

BOOK 4206-PAGE 304

TAX MAP 104 LOT 41

"THE KEDGE"

SUPERFUND SITE

DEVELOPERS, L.L.C.

17 BRIDGE STREET

BOOK 3487-PAGE 328

TAX MAP 104 LOT 42

JOAN C. ALLEN

23 BRIDGE STREET

BOOK 1538-PAGE 227

TAX MAP 104 LOT 43

WALTER J.

"CASINO LOT"

GRID NORTHING 263506.77 GRID EASTING 1060193.52

COTTAGE

3/4" IRON PIPE FLUSH W/ GROUND

BAR

ROA

1 MEAN HIGH WATER

DERIVED FROM NOS

"P.I.S. 2319" 0.8' ABOVE GROUND

APPROXIMATE ORIGIN OF BAR ROAD 50' LAYOUT

TOP OF BANK

DANIEL RODICK

DAVID RODICK

BOOK 20-PAGE 244

FEBRUARY 15, 1799

BAR HARBOR

TENNIS CLUB

III WEST STREET

BOOK 4222-PAGE 205 TAX MAP 104 LOT 9 "GUELPH COTTAGE"

LOCATION NOT

DETERMINED BY THIS

115 WEST STREET

"GUELPH COTTAGE"

BOOK 3756-PAGE 229 TAX MAP 104 LOT 7

3/4" REBAR

STREET

O. I' BELOW GROUND

GEORGE HOWARD

CHIHOSKI

I I O WEST STREET

BOOK 1505-PAGE 319

TAX MAP 104 LOT 68

"FROST COTTAGE"

"THE POPPIES"

THE MCW & RMW
REVOCABLE TRUSTS OF

TAX MAP 104 LOT 67

JEFFREY & ELIZABETH

20 BRIDGE STREET

DAN H. & PAMELA W.

HONEYWELL

22 BRIDGE STREET

JANN M. BARRY

BOOK 3761-PAGE 36

BOOK 2004-PAGE 14

TAX MAP 104 LOT 66

DECIDUOUS TREE CEDAR FENCE POST REMAINS LINETABLE

LINE **BEARING** LENGTH DESCRIPTION N29°36'13"W LI 55.43 PLS 2319 REBAR TO STA 0+00 S09°55'22"E 472.20 PLS 2319 REBAR TO REBAR L2 L3 N79°37'13"E L4 588°00'45"W PIER BM I DISK TO STA 0+00 567°43'10"W BM 3320 DISK TO STA 10+50.00 1597.85 L6 L7 N10°22'47"W 7.86 N79°37'13"E 5.95 L8 INE SEGMENTS AROUND HODDER L9 NO5°10'12"W 4.53 RFTAINING WALL LIO N61°53'35"W 3.79

25.26

of Alley \$ Rodick would override the erroneous bearing of S 20° W. The recommended corrective 2 rod wide right-of-way as shown would be proposed for acceptance by the Inhabitants to resolve the 1871 layout and acceptance. This location is supported by physical evidence of the remains of a Page's looped wire fence and the southwesterly edge of the concrete sidewalk running along the southwesterly side of Bridge Street from West to Cottage Streets. The back edge of sidewalks has been successfully used to re-construct several other intown right-of-ways such as Ledgelawn Avenue, Glen Mary Road, \$ Newton Way. Amendments

 $B_{ ext{ridge}}$ Street was apparently laid out in 1871 as evidenced by a Certificate of Survey referred to

by the minutes of a Town Meeting in 1871 (Eden Volume 3 Page 223). The Certificate is printed on

John Savage, Civil Engineer \$ Surveyor letterhead with a pre-printed date for the decade of the

1890's. It is improbable that this letterhead sheet was present at the 1871 proceedings and is

proven to be difficult to retrace at best (see the four Highbrook Road, Cleftstone Road, \$

confirmed since the same sheet has an 1874 layout of West Street written as well. This sheet is a

hand written copy of two road surveys most likely performed by E. M. Hamor, whose surveys have

water. This error places the record centerline, from 1871, behind the houses lying on the west

side of Bridge Street. The right-of-way description was not written to overcome any surveying or scrivener's errors in the measurements of the angles and/or distances. If the first course had been

written "along the line of Alley \$ Rodick S 20° W 26 Rods" the true and correct bearing of the line

The Bridge Street layout has a gross error on the magnetic bearing of the first course from high

(circa 1900-1920) to each of these streets original layouts specifically call for the sidewalks to be 5' wide and Bridge Street appears to fit this pattern. In addition to the physical there is documentary locative evidence in the form of two deeds and the aforementioned 1874 West Street layout. This layout begins at the northwesterly corner of Tobias L. Roberts property at the top of the bank near the pier (Roberts apparently owned the Rockaway Hotel in what is now Agamont Park). The layout provides a reasonably good distance to the intersection of West \$ Bridge as now traveled, any indicated error by the West Street layout does not carry Bridge Street behind the westerly houses as the 1871 layout does. The deed in Book 168-Page 138 from Irene & Frederick Alley to Sylvanus Jordan gives an 1879 bearing of S 5 1/2 W over most of Bridge Street from the shore to the apparent northerly line of what is now Joan

C. Allen. This straight line bearing further indicates the first 1871 bearing is in error. The deed bearing from the DeGregoires to Higgins of North (1792) agrees well with the proposed centerline of Bridge Street as well as apparently in agreement with the southwesterly parent line of the Strawberry Hill subdivision which historically abutted Higgins 200 acres to the northeast, however the latter was not confirmed. $oldsymbol{1}$ n conflict with this proposed corrective 2 rod wide right-of-way, are a recent survey by Plisga $oldsymbol{\sharp}$

Day for Bar Harbor Tennis Club and the distance on last leg of the 1871 Bridge Street layout. The Plisga & Day survey line running between the two rebar capped "P.L.S. 2319", on the northeasterly side of Bridge Street between the shore and West Street may not reflect a determination of the right-of-way of Bridge Street. It is not uncommon in uncertain right-of-way situations for surveyors to set pins in a reasonable location based on outlying occupation in particular those easements over the underlying fee simple interest of the abutting land owners. It is also possible that other historical deed dimensions of their subject property indicate the easement line as monumented. The difference is less than two feet at both locations. The abutting owners are presumed to own in fee to the centerline of Bridge Street, however it was not determined if the current owners were conveyed this from their historical grantors. Regardless, each sideline extends to the centerline of Bridge Street and are not shown for clarity.

The 1871 Bridge Street layout apparently ends with an easterly course on what is now Cottage Street. The terminus of this course is the "highway near Charles Higgins house". At that time the only highways were owned by the county in this section of town, that being Main Street. The distance of 61 rods, from the current intersection of Bridge and Cottage, falls about 328' short of the intersection of Cottage and Main. It is not clear how this course came to be in this layout since Cottage was laid out in the previous year of 1870. It may have been a surveying reference dimension to "tie-in" to Main Street to aid in proper placement during construction of the Bridge Street roadway, but this cannot be proven.

The water meter that lies on Hodder westerly of the proposed r-o-w may have existed as a private easement to the private corporation Bar Harbor Water Company prior to the Inhabitants acquisition of said Company. Historically, the meter would have been installed without regard to the street r-o-w and should not be considered as a conflict to this proposal.

 $oldsymbol{1}$ t is recommended that the Inhabitants or their representatives discuss each of these points with the town's real estate attorney.

 ${
m M}$ onumentation rebar are proposed to be set as shown at points on line left and right of Stations 0+40.00, 5+00.00, \$10+25.00 so as not to confuse any future determination of the right-of-ways of West, Cottage, or Bar Road. All rebar to be set at or below ground will be 5/8" rebar, marked with an orange plastic surveyor's cap embossed "Patriot Land Surveys Maine P.L.S. 2329 Boundary".

All directions are Grid North Maine State Plane Coordinate System, East Zone (North American Datum 1983), derived from survey grade Global Positioning System observations on April 1st in the year 2005. All distances are on the state plane.

CERTIFICATION:

 ${
m To}$ the best of my knowledge, information, and belief, and in my professional opinion, this survey conforms to the Standards of Practice Promulgated by the Maine Board of Licensure for Professional Land Surveyors.

Joseph B. P. Coffey

DOWNTOWN RESIDENTIAL DISTRICT § 125-22. DOWNTOWN RESIDENTIAL DISTRICT:

A.Mınımum lot sıze: 5,000 square feet. B.Mınımum road frontage and lot width: 50 feet. C.Mınımum front setback: 15 feet [edge of lot

line see § 125-67 B. (2)]. F.Mınımum side setback: 5 feet.

G.Mınımum rear setback: 15 feet.

H.Maximum lot coverage: 75%. I.Maxımum height: 40 feet.

DOWNTOWN RESIDENTIAL DISTRICT

J.Mınımum area per family: 1,250 square feet.

DOWNTOWN BUSINESS II DISTRICT EET & HELEN L. KIMBERLY DAWN CHILDS & NORWOOD DOUGLAS JAMES MICHAEL 25 BRIDGE STREET 28 BRIDGE STREET BOOK 2689-PAGE 654 TAX MAP 104 LOT 62 SUMMER STREET JAMES W. & CATHERINE ELK32 BRIDGE STREET BOOK 1573-PAGE 177 TAX MAP 104 LOT 62 JOHN ALLGOOD et als 69 COTTAGE STREET INHABITANTS OF THE BOOK 2700-PAGE 102 TOWN OF BAR HARBOR TAX MAP 104 LOT 61 COTTAGE STREET PARKING TAX MAP 104 LOT 55 MHL PROPERTIES, L.L.C. "ODD FELLOWS LOT"

§ 125-22. DOWNTOWN **BUSINESS II DISTRICT:**

A.Mınımum lot sıze: 1,000 square feet. B.Mınımum road frontage and lot width: 20 feet. C.Mınımum front setback: 20 OR 10 feet [edge of lot line see § | 25-67 B. (2)]. D.Mınımum side setback: O feet.

E.Minimum rear setback: 20 OR 5 feet. F.Maximum lot coverage: 70-90%. G.Maximum height: 30 OR 45 feet. H.Mınımum area per family: 750 square feet.

CLIENT/PROJECT:

REVISIONS:

1. Added proposed r-o-w monumentation (revised notes are underlined), approximate zoning

lines \$ major zone dimension restrictions (March 11, 2008). 2. Altered proposed r-o-w to exclude the Hodder retaining wall (June 3, 2008).

(IN FEET) 1 inch = 40 ft.

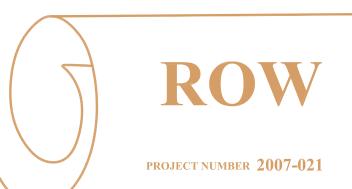
GRAPHIC SCALE

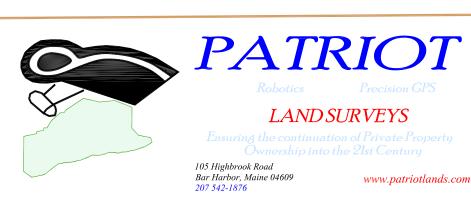
7 | COTTAGE STREET

BOOK 3656-PAGE 16

TAX MAP 104 LOT 60

STREET





INHABITANTS OF THE TOWN OF BAR HARBOR **RIGHT-OF-WAY SURVEY PLAN**

LOCATION: BRIDGE STREET SCALE: 1 inch = 40 feet

© 2007 TOWN: BAR HARBOR COUNTY: HANCOCK STATE: MAINE DATE: MAY 22, 2007 REV 2 DRAWN BY: JBPC

SHEET TITLE:

