

Walk #10: Come Feel the Vibe; Post World War II Housing Explosion

Guides:

R. Christopher Noonan, Historic Preservationist / Historic Real Estate SpecialistLuanne Crosby, Troubadour/Songwriter/Singer

Guest Speakers:

- Deb and Jim Bergeron, Proprietors of the Sleigh Maker Inn
- Floyd and Janet Brownewell

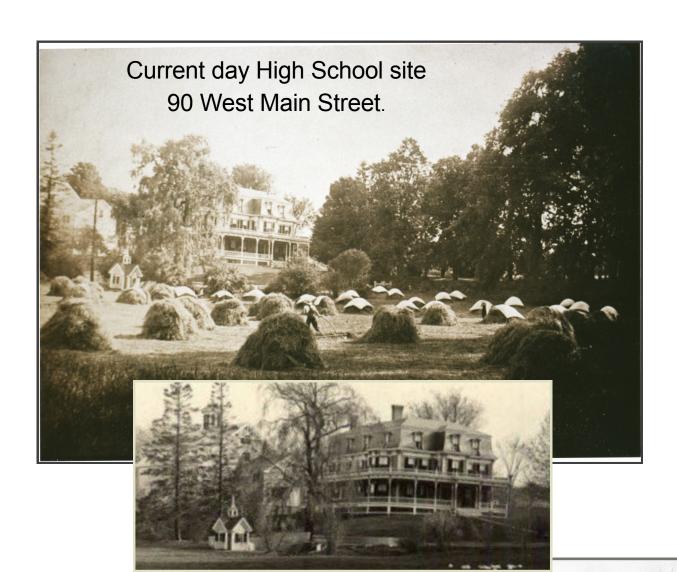


October 2017

For further or follow-up information regarding this tour, contact rcn @preserve-inc.com / 508-473-4884 and luanne @luannecrosby.com

1830 Nahum Fisher map L.T Eastman **Grindstone Hill** (today Whitney Hill Drumlin) G.Denny Current day high school site 90 West Main Street berlain ESTBOROUGH Scale 60 rods to an itich

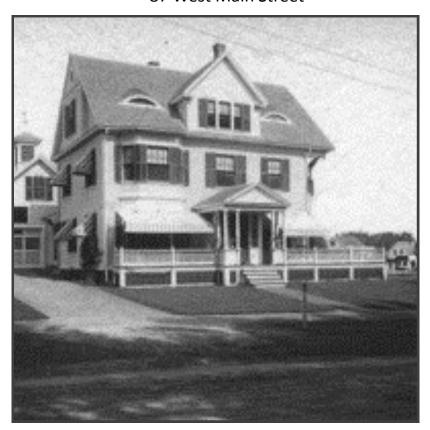
1857 Henry F. Walling map



Fayweather, Chamberlain, Whitney, Bartlett, Aronson Property



87 West Main Street



Forrest W. Forbes House, —1899 (Now Sleigh Maker Inn)



Historic plan from current owner Jim and Deb Bergeron Barker & Nourse Architects, Worcester, MA

Phineas Gleason House — circa 1800 89 West Main Street



Federal Adams Style 1790s—1820's

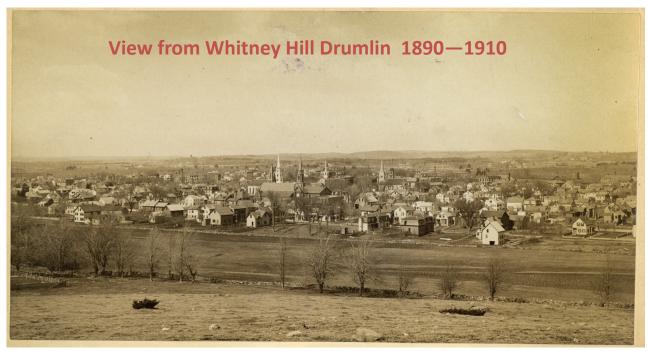
windows with
double-lung sales,
windows accer
in adjacent pairs
in adjacent pairs
rypically accompanied
by saleights, elaborated
and/or estended
and/or este

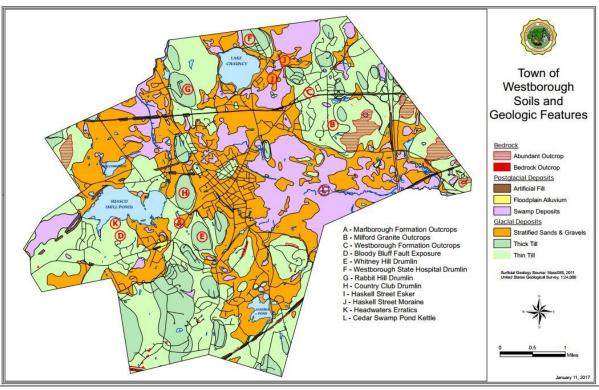
After the 1938 Hurricane



PRINCIPAL SUBTYPES

From Field Guide to American Houses, Virginia & Lee McAlester © 1984

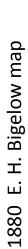






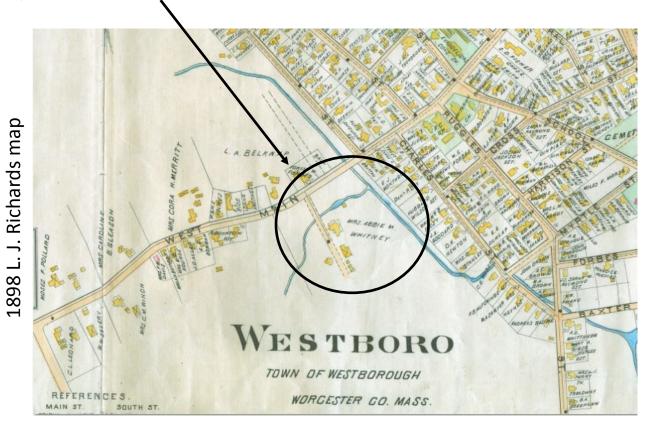
1870 J. B. Beers map Wagons. All kinds of Jobbing done to order. Res Summer at m J. Black-smith. All kinds of Jobbing done to order, cor Cross and Ruggles st Livery Stable. & Davis. Livery and Boarding Stable. Te f all kinds Furnished at Short Notice, at "Worough Hotel" Scale 450 Feet Whitney/Bartlett/Aronson Estate

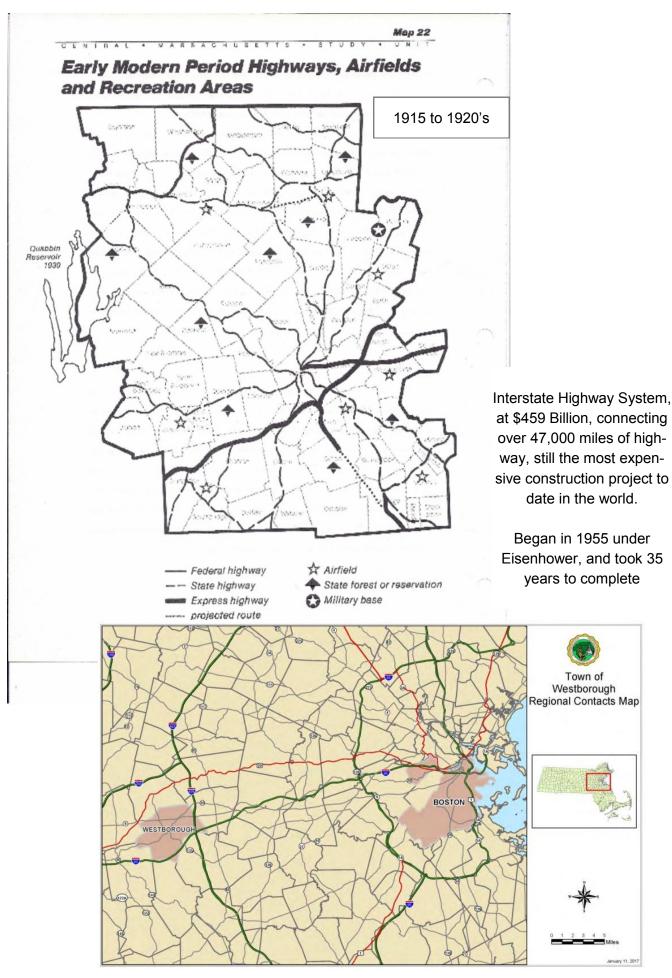
1878 George H. Walker map



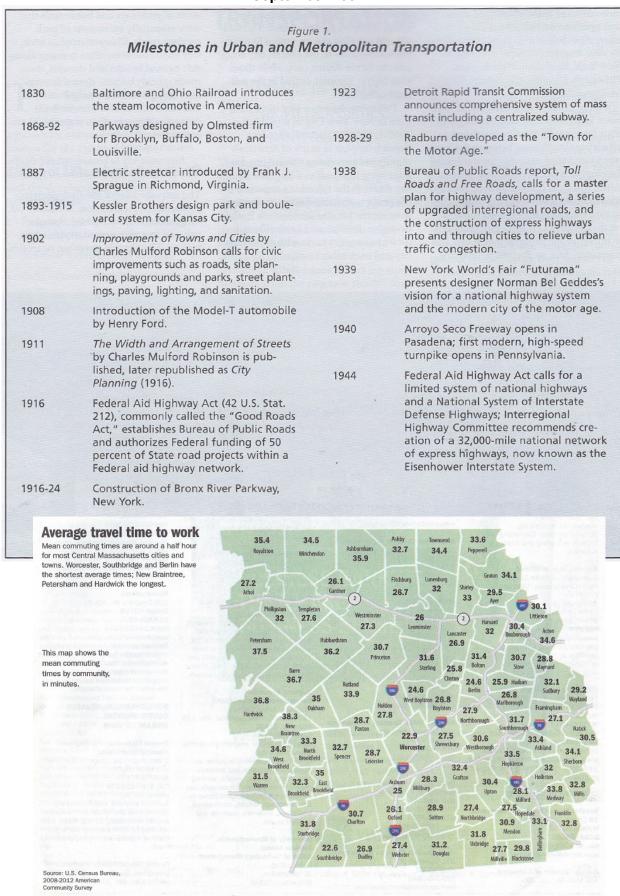


Whitney/Bartlett/Aronson Estate





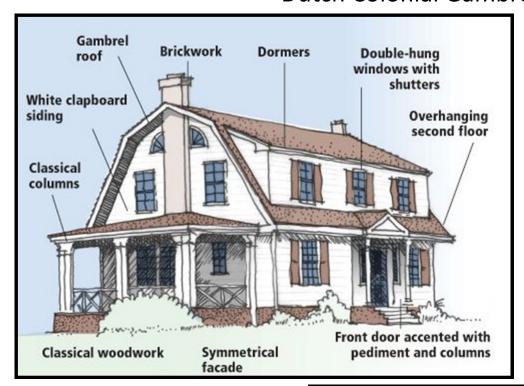
From National Register Bulletin, National Park Service "Historic Residential Suburbs" September 2002



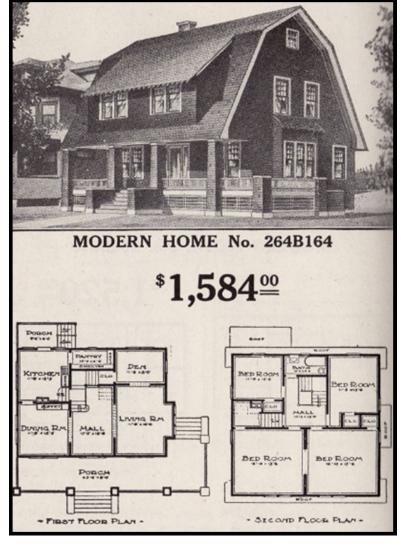
www.wbjournal.com

Worcester Business Journal • 2014 Central Mass By The Numbers 51

Dutch Colonial Gambrel

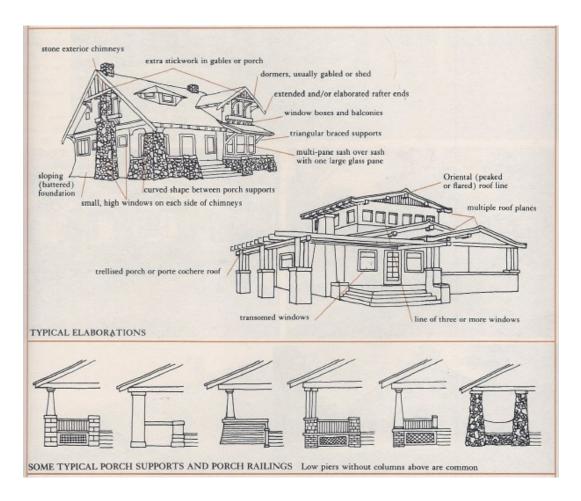


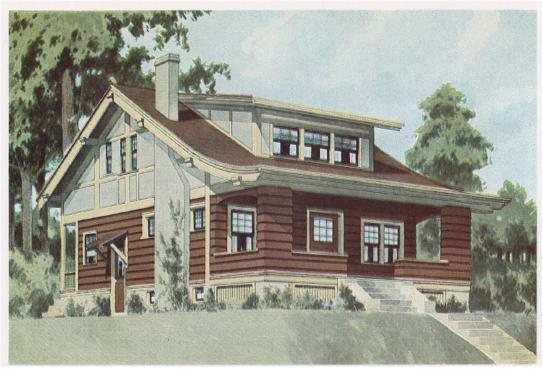
Similar: 20 Blake Street



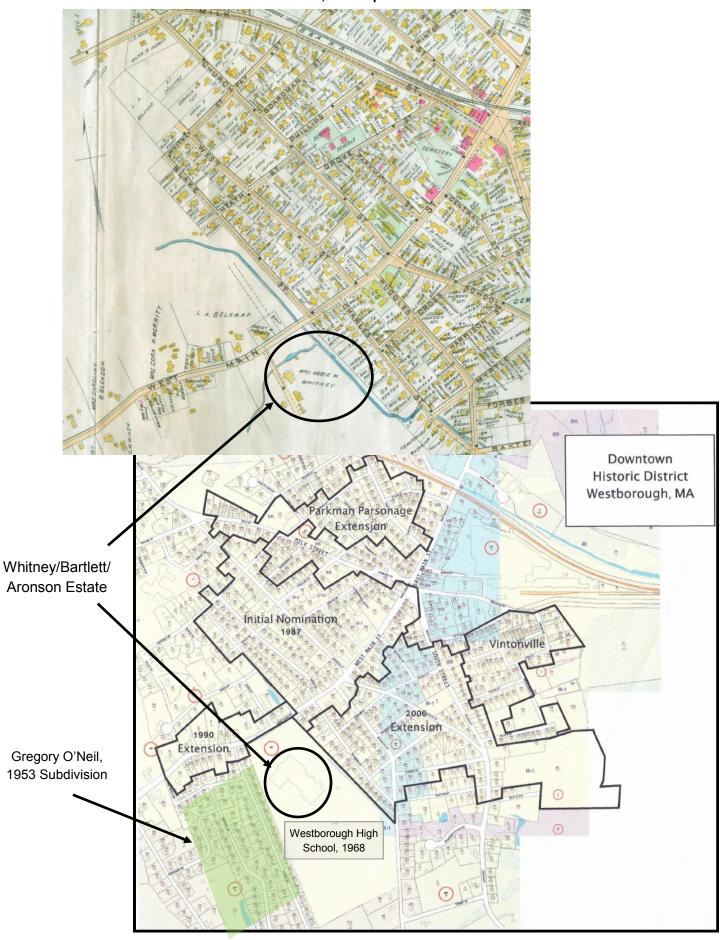
Craftsman Style

(Similar example at 8 John Street)



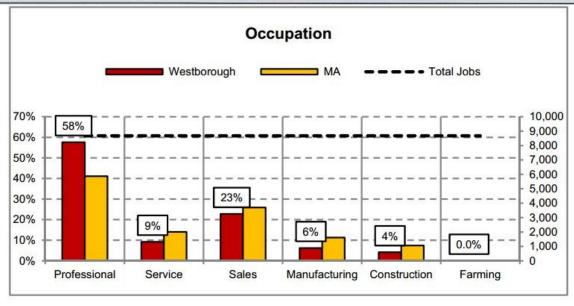


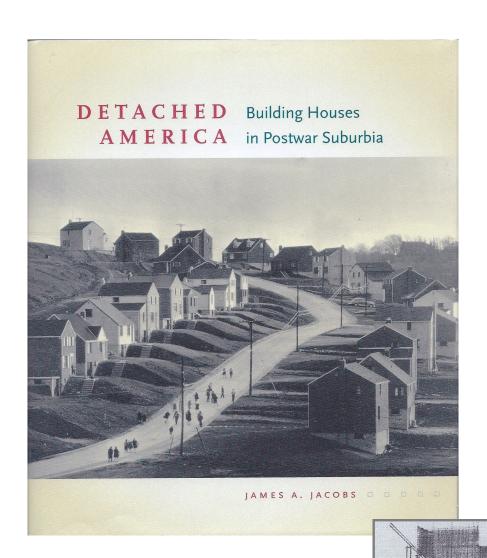
1898 L. J. Richards, Co. Map



From National Register Bulletin, National Park Service "Historic Residential Suburbs" September 2002

| | Federal Laws and Programs E | re 2. Incourag | ing Home Ownership |
|------|---|-------------------|---|
| 1932 | Federal Home Loan Bank Act (47 Stat. 725) establishes home loan bank system authorizing advances secured by home mortgages to member institutions. | 1942 | Federal defense housing and home loan programs consolidated in the National Housing Agency under Executive Order 9070. |
| 1933 | Home Owners' Loan Act (48 Stat. 129) establishes Home Owners' Loan Corporation, an emergency program (1933-36) introducing the concept of low- interest, long-term, self-amortizing loans | 1944 | Servicemen's Readjustment Act (58 Stat. 291), commonly known as the "GI Bill," authorized Veteran's Administration to provide loan guarantees for home mortgages for World War II veterans. |
| | and enabling home owners to refinance mortgages with five percent, 15-year amortizing loans. | 1946 | Veterans' Emergency Housing Act of 1946 (60 Stat. 215) authorizes Federal assistance in housing returning veterans and |
| 1934 | National Housing Act (48 Stat. 1246) cre- ates Federal Housing Administration | | extends FHA authority to insure mort- gages under Title VI. |
| | (FHA) to establish national standards for the home building industry and authoriz- es Federal insurance for privately- financed mortgages for homes, housing | 1947 | National Housing Agency renamed Housing and Home Finance Agency (61 Stat. 954). |
| | subdivisions, and rental housing. First FHA mortgages require a 20 percent down payment and monthly payments amortized over 20 years. | 1948 | Housing Act of 1948 (62 Stat. 1276) liber- alizes FHA mortgage terms by allowing insurance on up to 95 percent of a home's value and loan payment periods extend- |
| 1938 | Amendments to the National Housing Act (52 Stat. 8) allow Federal mortgage insurance on as much as 90 percent of home's value and extend payments up to 25 years (Title II). Law authorizes the creation of the Federal National Mortgage | | ing as much as 30 years (Section 203). Also adds Section 611 to Title VI of the National Housing Act to encourage the use of cost-reduction techniques through large-scale modernized site construction of housing. |
| | Association (Fannie Mae) to buy and sell mortgages under the Reconstruction Finance Corporation. | 1949 | Federal Housing Act of 1949 (63 Stat. 413) establishes a national housing directive to provide Federal aid to assist in community |
| 1941 | Amendments to the National Housing Act (55 Stat. 31) adds Title VI, creating a pro- | | development, slum clearance, and rede- velopment programs. |
| | gram of Defense Housing Insurance tar- geting the construction of housing in areas designated critical for defense and defense production. | 1954 | Housing Act of 1954 (68 Stat. 590) provides comprehensive planning assistance under Section 701. |







Feature of the Williamsport family roo is this large brick fireplace.

Modern Residential Options



Toll Brother's Transit Village Gleason St.



Treetop Park, Park St.

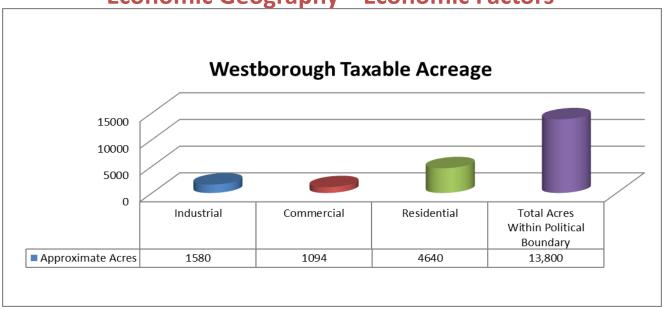


Fountainhead—Route 9



Extended Stay—Route 30

Economic Geography—Economic Factors







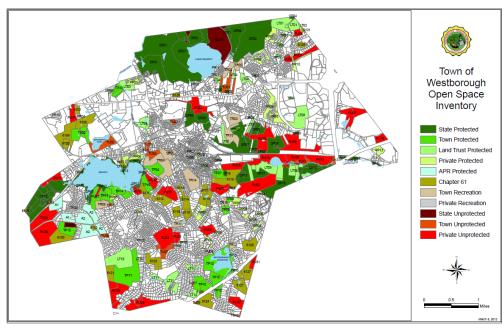
Astra Zeneca (former Westborough Airport) bought 1970's—built early 1980's

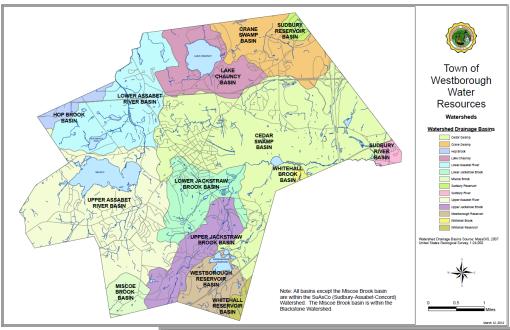


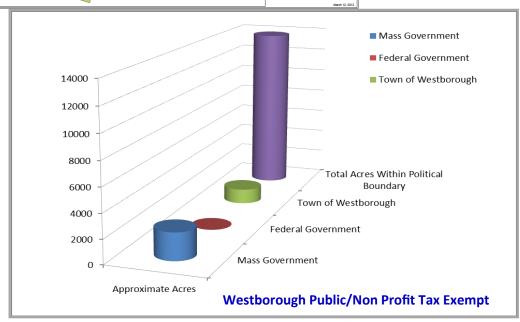
Data General Late 1970's 15,000 Employees



Speedway Plaza Former Westborough Speedway (1947)







From National Register Bulletin, National Park Service "Historic Residential Suburbs" September 2002

| | Suburban Architecture and Landscape Gardening, 1832 | e Gard | Jening, 1832 to 1960 | | receral Housing Administration publishes first standards for insurable neighborhoods and introduces the FHA minimum house. | | to insure mortgages under Title VI. Elevator structures determined acceptable |
|-----|--|------------------|---|---------|---|------------------|--|
| | Balloon frame construction invented in 1922-23 Chicago. | | Country Club Plaza, Kansas City, Missouri, first automobile-oriented regional shop- | 1936-39 | Buckingham Community, Arlington, Virginia, developed by Paramount Motors Company using the principles of economies | 1947 | for FHA rental housing. Legislation to encourage private development of housing for untertain hased on pre- |
| | Rural Residences by Alexander Jackson Davis published. 1923 | | ping center, developed by J. C. Nichols. Home Owners Service Institute sponsors | | of large-scale construction and standardiza- tion of building components. | | fabrication methods in the form of short-term loans to housing manufacturers. |
| | Publication of Treatise on Domestic Economy, by Catharine E. Beecher and Treatise on the Theory and Practice of Landscape Gardening by Andrew Jackson Downing. | | "Home Sweet Home," the Official demon- station house for the Better Homes in America movement and publishes Books of A Thousand Homes, edited by Henry Atterbury Smith. | 1938 | Federal Home Loan Bank Board, Producers Council, and AIA jointly introduce Federal Home Building Service Plan, encouraging home builders to use the services of regis- tered architects to carry out construction | | Levitt and Sons builds first houses at Hempstead on Long Island, New York; Philip Klutznick forms American Commun- ity Builders to develop Park Forest, Illinois Colanner Elbert Peets). |
| | 1926 1842-1850 Cottage Residences and Architecture of Country Houses by Downing published. | | Publication of Myrl E. Bottomley's The Design of Small Properties. | | according to architect-designed small house plans. | 1947-50 | Prefabricated homes made of porcelain- enameled steel panels manufactured by |
| | rine ub- | 1928-1932 \ E | Variety of moderately priced small houses built at Radburn; grounds and plantings by Marjorie Sewell Cautley | 1940 | Construction of Crow Island School, Winnerka, Illinois, by architects Eliel and Eero Saarinen and Perkins, Wheeler, and | | the Lustron Corporation (Carl Strandlund, manufacturer). |
| | Isred. Art of Beautifying Suburban Home Grounds by Frank J. Scott published. | | Architects' Small House Service Rureau, Inc., publishes Small Homes of Architectural Distinction, edited by Robert T. Jones. | | Will. Publication of Modern House in America by James Ford and Katherine Morrow Ford. | 1948 | Cameron Village Shopping Center, Raleigh, North Carolina, first large retail shopping center, planned by developer Wilke York, and site planner, Seward H. Mort. |
| | ole: A Complete conomical first of a series of y George and | | Park-and-Shop, Cleveland Park, Washington, D.C., designed by Arthur Heaton for Shannon and Luchs Real Estate. | 4 | FHA introduces new standards and an effi- cient, flexible system of house design and construction; issues "Architectural | 1950 | Landscape for Living by landscape architect Garrett Eckbo, published by Architectural Record. |
| | Charles Palliser, published. 1931 Modern Dwellings in Town and Country | | President's Conference on Home Building and Home Owneyship. | | Bulletins" with unit plans for large-scale housing. | 1952-54 | Northland Shopping Center, Detroit, Michigan, planned by Victor Gruen and |
| | Adapted to American Wants and Climate 1932 by Henry Hudson Holly published. | | Museum of Modern Art, New York, mounts exhibition entitled, "The International | | John Pierce Foundation with the Celotex Company of Chicago, Illinois, introduces | 1953 | Associates. Southdale Shopping Center, Minneapolis, |
| No. | 1907-1908 How to Lay Out Suburban Home Grounds by Herbert J. Kellaway and Artistic Bungalows by William Radford published. | | style: Architecture since 1922.: Chatham Village, at Pittsburgh, developed by the Buhl Foundation and designed by | | fabricated houses for Glenn Martin Aircraft near Baltimore, Maryland. | | Minnesota, first enclosed, climate- controlled mall designed by Victor Gruen. |
| | | | architects ingham and Boyd and landscape architect Ralph E. Griswold. | 1940-41 | Royal Barry Wills publishes Houses for Good Living and Better Houses for | 1952-56 | U.S. Gypsum Research Village in Barrington Woods, Illinois, showcases contemporary house designs. |
| | Suburban Gardens and Planting Around 1933-34 the Bungalow by Grace Tabor published. | | Century of Progress International Exhibition, Chicago, features "House of Tomorrow." | 1942 | Skidmore, Owings and Merrill plans defense-worker community at Oak Ridge. | 1953 | Before You Buy A House published by New York Architectural League and Southwest |
| | Frank Lloyd Wright's American System Ready-Cut method of prefabrication used in the Richard's Shall House and Duplexes, Milwankee Wisconsin | | Federal Housing Administration establishes programs for insuring mortgages on small homes and large-scale rental housing. | 1945-46 | Tennessee. Publication of Tomorrow's House: How to Build Your Post-War Home Now, by George | 1 1 1 2 | Research Institute, promoting modern prin- ciples of house design and the collabora- tion of architects and developers. |
| | The Small Place: Its Landscape Architecture by Elsa Rehmann published. | | Rehousing Urban America by Henry Wright and Garden Design by Marjorie Sewell Cautley published. | | Nelson and Henry Wright, The Small House of Tomorrow by Paul R. Williams, If You Want to Build a House by Elizabeth B. | 92-56- | Are for People: How to Plan for Outdoor Living: Garrett Eckbo's Art of Home Landscaping: Ann Strong Home |
| | Architects' Small House Service Bureau founded in Minneapolis. | | Demonstration of prefabrication at Purdue Research Village Lafavette, Indiana | 1945-66 | Mock. Arts & Architecture publishes Case Study | 100 | Landscape for Western Living. |
| | The Little Garden published, introducing "The Little Garden Series," edited by Mrs. Francis King (Louise Yeomans King). | | | 1946 | House series. Sunset Magazine publishes Western Ranch Houses featuring work of Cliff May, Doug | (66) | nollin mins, Alexandria, virginia, serected as one of the "Ten Buldings in America's Future" in AlA Centennial Exhibition. |
| | Better Homes movement founded by the 1936 Butterick Company and endorsed by Secretary of Commerce Herbert Hoover. | | Bemis Industries publishes three-volume The Evolving House, which outlines princi- ples of prefabrication. | | Baylis and others. Movement to provide veterans' housing gains momentum especially in rental housing. Veterans' Emergency Housing Act of | 90-7661 | rubication or A. Quincy Jones Jr., and Frederick E. Emmons's Builders' Homes for Better Living and Carl Koch's At Home with Tomorraw. |

From National Register Bulletin, National Park Service "Historic Residential Suburbs" September 2002

Figure 6. Historical Sources for Researching Local Patterns of Suburbanization

The following historical sources are especially valuable in researching local patterns of suburbanization and the history of residential subdivisions. While many can be found in the collections of local or regional libraries, archives, and historical societies, others may be found among the public records of municipal and county governments. Some source materials are available on microfilm or CD-ROM and may be found in many research libraries.

- Historic Maps and Atlases: Historic maps indicating
 the growth and development of a metropolitan area
 at various intervals of time are especially valuable to
 chart the outward migration of residential subdivisions in relationship to advances in transportation
 technology and expansion of transportation routes.
 Maps were commonly published by streetcar and
 transit companies, oil companies, local chambers of
 commerce, highway departments, as well as local
 governments for tax and planning purposes.
- Aerial Photographs: After World War II, many local governments began making aerial surveys of their rapidly changing landscape; many of these remain among local government records. Beginning in the 1930s, the U.S. Department of Agriculture began making aerial surveys of rural areas of the United States for soil conservation purposes; these provide good coverage of the outlying areas of metropolitan cities that were later subject to residential development and are available on microfilm from the Cartographic Division of the National Archives, As part of the Global Land Information System (G.L.I.S.), the U.S.G.S. now makes available electronically the aerial photographs (called "digital orthophoto guadrangles," or "DOQs") taken to update digital line graphs and topographic maps.
- Fire Insurance Maps: Insurance maps, such as those compiled by the Sanborn Fire Insurance Company, are available in many local libraries and at the Library of Congress. Due to a major recording effort now underway, many Sanborn maps will soon be available on CD-ROM at major research libraries.
- Local or County Ordinances: These indicate the dates and provisions for local planning controls, such as zoning, subdivision regulations, comprehensive planning processes, local design review, and citizens' associations.
- City, County and Regional Plans: On file with local planning offices and available in local libraries and archives, these plans provide information about transportation routes, publicly funded improvements (e.g. utilities, water, sewer, mass transit), and overall plan of development that include distribution and

- density of land use activities, including residential development.
- Subdivision Plats: Local land records for a county, city
 or town, often organized chronologically in platbooks. While some older records of this type may be
 found in public libraries or historical collections, many
 remain among the public records of local courthouse
 or local planning offices. Also, copies may be found
 among the records of the architectural, planning, or
 development firms responsible for the design.
- Building Permits/Tax Records: These records frequently provide the names of site planners, architects, and developers and often indicate the dates and cost of original construction and additions. In many communities, tax assessment information is contained in a computerized database and is available on CD-ROM.
- Deeds of Title, Mechanic Liens, and Real Estate
 Records: Public court records indicate a property's
 chain of ownership and the terms of any deed
 restrictions. These are generally organized by date of
 recording and indexed by the names of sellers and
 purchasers. They may also indicate dates of construction and additions, original cost, source of mortgage, and identity of the subdivider or developer.
 Mechanics liens—temporary encumbrances on the
 title of property to ensure payment to the building
 contractor—may also identify the building contractors and indicate the cost of construction.
- Building Contracts: Found in private and public historical collections, the records of architectural firms, and, when a legal dispute arises, in court records. In States where the public recording of building contracts was required by statute, they may be found in courthouse records. In the form of a legal agreement between owner and contractor, they describe the property to be constructed, often specifying materials, workmanship, design, and other specifications. Purchase orders and bills of lading for building materials may also be found with these records.
- Historic Photographs: Photographs documenting the design, construction and daily life of residential suburbs exist in many local historic collections. These include family or community records; promotional or documentary materials used by realtors, developers and designers; and illustrations in historic newspapers, journals, magazines, and published portfolios. Although local historical collections may be the best place to locate historic photographs, specialized repositories may contain the work of local or regional architects, landscape architects, and photographic studios.

Figure 6, continued

- Site Plans, Architectural Drawings, Construction
 Plans, and Planting Plans: Available from the office
 of developer or architect, the archival repository for
 records of the architect, builder, or developer.
 Clearinghouse services, such as the Cooperative
 Preservation of Architectural Records (COPAR) and
 the Catalog of Landscape Records in the United
 States, provide researchers assistance in identifying
 repositories for the records of architectural firms and
 landscape designers. In addition, home owners may
 be in possession of promotional brochures, floorplans, and landscape plans for their yards. Promotional brochures and advertisements may also be
 found in community archives and local historical
 societies.
- · Historic Newspapers: Advertisements in the real estate sections of local newspapers provide information about housing design, subdivisions, housing costs, prospective home owners, and availability of house financing. They are also a source of information about local events affecting suburbanization, such as industrial development, demographic trends, and expansion of transportation routes. Advertisements for merchants, suppliers, and contractors provide information about building materials and practices. Obituaries provide biographical information about architects, landscape architects, and real estate developers. Many local libraries maintain copies of local newspapers on microfilm. Many news publishers now offer archival indexing and assistance through the Internet; while these services are useful for locating recent obituaries or retrospective articles, few extend back far enough to locate original advertisements or features.
- U.S. Census Records: Census records provide demographic information about a subdivision or neighborhood, including the size of families, whether they own or rent their house, and the country of origin, education, occupation, and age of family members. The Census Bureau also gathers statistics on economics, housing, and population growth. Many census records are indexed and are available on microfilm from the National Archives (Record Group 29). Enumerative maps used by census takers are among the records of the Cartographic Division of the National Archives.
- Oral History: Interviews with original and early homeowners are a valuable source of oral history and may be recorded in audio-tape, videotape, or written transcripts. Such individuals may also own historic materials, such as promotional brochures, architectural drawings, landscape plans, nursery receipts, photographs, diaries and personal memoirs. Interviews with builders, contractors, develop-

- ers, architects, landscape architects, planners, and former public officials may provide interesting insights into historic patterns of suburbanization.
- Records of Neighborhood Associations: Community newsletters, organizational minutes, correspondence, promotional brochures, anniversary publications, news clippings, early advertisements, neighborhood directories, historic photographs, and other information related to the history of a neighborhood. Records may be maintained by the organizations or may be on file in local library or historical collections.
- City, Neighborhood, and Telephone Directories:
 Available in local or regional libraries, historical societies, and community collections, these directories give the name and addresses of residents and their affiliated businesses as well as identify active merchants, suppliers of construction materials, designers, and contractors. Historic city directories for major cities are also available on microfilm in many libraries.
- Records of Local Chapters: Local chapters of professional and trade organizations should be contacted for information about historic events and the role of former members in the form of historic correspondence, official minutes, and newsletters. These include chapters of the AIA, ASLA, NCCP, NAHB, NAREB, as well as regionally based associations.
- WPA Real Property Surveys. During the 1930s many local governments, using Works Projects Administration (WPA) funds, compiled large-scale, city block maps that recorded information about real estate development and land use. The FHA used these maps to graphically illustrate statistical data on housing in metropolitan areas. Many of these maps are among the Records of the FHA (Record Group 31) in the Cartographic Division of the National Archives. Others may be on file in local libraries or archives.
- Housing Market Analysis Maps: Compiled by the FHA beginning in 1937, these maps indicated areas surrounding selected cities where it was considered safe to underwrite mortgages and were supplemented by data concerning commuting times, the location and condition of main highways, and the location of defense areas. These maps are among the Records of the FHA (Record Group 31) in the Cartographic Division of the National Archives.
- Pattern Books, Mail Order Catalogs, and Landscape Guidebooks: Sources of popular house and yard designs by architects, landscape architects, and mailorder companies such as Sears, Roebuck, Aladdin, and Van Tine. Many are available in libraries in the form of published reprints, microfilm, or CD-ROM, such as the microfiche edition of the Architectural

For additional information about archival sources, readers should also refer to the National Register bulletins, *Guidelines for Local Surveys: A Basis for Preservation Planning* (rev. 1985) and *Researching a Historic Property* (rev. 1998).