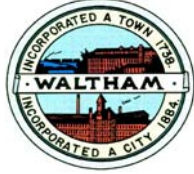


The City of Waltham



**Invites,
Interested Parties
To propose the best plan**

For the:

**DESIGN HAZEL STREET RECONSTRUCTION PROJECT
FOR DRAKE PLAYGROUND**

Your response is due to the Purchasing Office no later than

10:00 am Wednesday February 24, 2016

Last day for Written Questions: Thursday February 18, 2016 at 12 Noon

(Email to Jpedulla@city.waltham.ma.us)

**REQUEST FOR QUALIFICATIONS
FOR DESIGNER SERVICES FOR THE
DESIGN, HAZEL STREET RECONSTRUCTION PROJECT
FOR DRAKE PLAYGROUND
WALTHAM, MASSACHUSETTS**

The City of Waltham is seeking responses from qualified Designer Firms registered and licensed in the Commonwealth of Massachusetts for the preparation of plans and specifications, cost estimating, bidding documents, construction documents and construction Administration for improvements to the Design, Hazel Street Reconstruction Project For Drake Playground.

GENERAL INFORMATION AND SUBMISSION REQUIREMENTS.

- 1)** RFQ packages can be obtained from; and will be accepted at the City of Waltham, www.city.waltham.ma.us/open-bids until **10:00 am Wednesday February 24, 2016**
- 2)** This Request for Qualifications is made in accordance with MGL c.30b.
- 3) The original and five (5) copies of the proposal are required.**
 - a. The non-price proposal envelope must be sealed and clearly marked:**
Non-Price Proposal – DESIGN, HAZEL STREET RECONSTRUCTION PROJECT FOR DRAKE PLAYGROUND WALTHAM, MASSACHUSETTS
 - b. The Price proposal envelope must be sealed and clearly marked:**
Price Proposal – DESIGN, HAZEL STREET RECONSTRUCTION PROJECT FOR DRAKE PLAYGROUND WALTHAM, MASSACHUSETTS
- 4)** Award date. Award will be made within forty-five (45) days after the due date unless otherwise stated in the specifications or the time for award is extended by mutual consent of all parties. All RFQ's submitted shall be valid for a minimum period of forty-five (45) calendar days following the date established for acceptance.
- 5) Questions** concerning this RFQ must be submitted in writing only to: Joseph Pedulla/CPO at jpedulla@city.waltham.ma.us **Thursday February 18, 2016 at 12 Noon**
- 6)** Questions may be delivered, mailed, emailed, jpedulla@city.waltham.ma.us. Written responses will be mailed to all bidders on record as having requested the RFQ.
- 7)** RFQ's may be modified, corrected or withdrawn only by written correspondence received by the City of Waltham prior to the time and date set for the bid opening. Bid modifications must be submitted in a sealed envelope clearly labeled "Modification No. ____" and must reference the original RFQ.
- 8)** After the bid opening, a bidder may not change any provision of the bid in a manner prejudicial to the interests of the City of Waltham or fair competition. Minor informalities will be waived or the bidder will be allowed to correct them. If a mistake and the intended bid are clearly evident on the face of the bid document, the mistake will be corrected to reflect the intended bid, and the bidder will be notified in writing; the bidder may not withdraw the bid. A bidder may withdraw a bid if a mistake is clearly evident on the face of the bid, but the intended correct bid is not similarly evident.
- 9)** The City of Waltham reserves the right to reject any and all RFQ's and to waive any informality in RFQ's received whenever such rejection or waiver is in its best interest.
- 10)** The City of Waltham will not be responsible for any expenses incurred in preparing and submitting RFQ's. All

RFQ's shall become the property of the City of Waltham.

- 11) Responders must be willing to enter into the City of Waltham standard form of contract that will include the scope of services description of this RFQ.
- 12) The bid, and any subsequent contract for the services, is hereby issued in accordance with applicable Massachusetts General Laws. The selected bidder shall be expected to comply with all applicable state and federal laws in performance of service.
- 13) RFQ's received prior to the date of opening will be securely kept, unopened. No responsibility will attach to an officer or person for the premature opening of a bid not properly addressed and identified.
- 14) Any RFQ's received after the advertised date and time for opening will be returned to the responder unopened.
- 15) Purchases by the City of Waltham are exempt from federal, state and municipal sales and/or excise taxes.
- 16) All the documents in the COMPLIANCE Section must be included with the bid response. The bid must be signed by the authorized individual(s).
- 17) Unexpected closures. If, at the time of the scheduled bid opening, City Hall is closed due to uncontrolled events such as fire, snow, ice, wind or building evacuation, the bid opening will be postponed until 2:00 PM on the next normal business day. RFQ's will be accepted until that date and time.
- 18) The City of Waltham is an Affirmative Action/Equal Opportunity Employer. The City encourages RFQ's from qualified MBE/WBE firms. **Combined participation for the MBE/WBE is 17.9%**
- 19) Responses to the RFQ must be prepared according to the guidelines set forth herein. Selection of the successful responder will be based upon an evaluation and analysis of the information and materials required under the RFQ.

SCOPE OF SERVICES.

The scope of work for the project has been provided in Appendix A, along with reference plans. The field survey work shall be performed using instrument survey methods to provide accurate and complete information as specified.

Project will include:

- a) Existing Conditions Survey: Area of survey to include Hazel Street, a public right of way/private way, from Farnsworth to Dale Street. The survey will provide 1 ft. contours, including existing utility locations, invert and rim elevations of pipes, property information and other noted existing conditions.
- b) Location and evaluation of existing utility mains and services to residential properties. The need to upgrade these utility service lines will be assessed and recommendations will be provided. This will include light cleaning and CCTV of sewer main and review of city records for condition/stoppage history of sewer services.
- c) CCTV Inspection of approximately 370 linear feet of existing sanitary sewer main which runs along the northern border of the field. Include any necessary proposed improvements of this sewer main within the final design plans.
- d) Drainage analysis/design of the area to intercept storm water run-off within a new storm water drain line proposed along Hazel Street. Flood Plain Zone with the Community Panel Number from the latest F.E.M.A. Map. Storm drainage must be analyzed by a MA registered Professional Civil Engineer based on 10-yr., 25-yr. and 100-yr. storm events. Piped drainage systems shall be designed with a capacity for a 25-yr. storm event.

Detention basins/tanks/pits shall be designed to be capable of safely discharging the 100-yr. storm events. All drainage designs shall comply with the guidance set forth in the MassDEP Stormwater standards and policies.

- e) Preliminary Design on the existing conditions base which will include the layout of a new storm water drain lines and catch basins, relocate the existing 30-inch drain line presently located within Drake Playground to Hazel Street and reconnection/relocation of associated lines connecting from Farnsworth Avenue. The preliminary design will include preliminary grading and roadway profile, sidewalk width and location, proposed utility and service connection improvements and roadway cross-section improvements. Final Design will occur after a complete review by the Engineering Department.
- f) The City of Waltham Purchasing Department will be provided an electronic version of the final design and Bid Documents for bidding purposes. The Consultant shall assist the City in the bid process in regards to answering questions from bidding contractors, conducting reference checks, making recommendations for award and attending pre-bid meetings.
- g) Meeting with City Department Heads to review the plans and project. (Engineering, Consolidated Public Works, Traffic and Wires Departments)
- h) Construction Administration and Inspection/Oversight.
- i) Final As-Built Plans at the time of final inspection, survey record to be certified by a MA Registered Land Surveyor and stating the date of the record field survey.

PROJECT DESCRIPTION

The selected professional engineering firm shall conduct or otherwise acquire the necessary field surveys, quantity estimates provided are approximate, subsurface investigation, and other pertinent information needed for the design of the water improvement project. The firm shall prepare detailed final design plans, technical specifications, and cost estimates as needed for the construction of project improvements as described below and shown on the attachments.

The selected professional engineering firm will prepare detailed plans and technical specifications for the sewer replacement. The firm will develop 22" x 34" plan and profile sheets (1"=40') and research existing record drawings and other utilities in the area and include pertinent information.

All drawings will be prepared in digital format on AutoCAD, Release 2010 or newer. Technical specifications will be prepared using the sixteen-division format of the Construction Specifications Institute (CSI). The City's design standards will be incorporated into the detailed plans and technical specifications. The design will include the repair of drainage structures as necessary, accommodation for uninterrupted services (water/sewer), preparation of a traffic management plan and the replacement of the curbing and sidewalks if necessary.

The engineering firm will obtain necessary approval and permitting from the City of Cambridge Watershed Management, Waltham Conservation Commission, as well as any other local authorities required.

The selected professional engineering firm will submit draft plans, technical specifications with standard general conditions and supplemental conditions, and construction cost estimate for City review. They will address review comments and produce final documents for final project execution.

BIDDING

The selected professional engineering firm will provide assistance to the City's Chief Procurement Officer in project bidding and bid evaluation in accordance with MGL c.30, §39M. The selected firm will provide to the City's Chief Procurement Officer an electronic version of the plans and technical specifications to be distributed by the City. The engineering firm, through the Chief Procurement Officer, will be responsible to respond to Contractor questions, attend a pre-bid site meeting, attending a bid opening, reviewing bid proposals, prepare bid tabulation sheets, check the qualifications of bidders, issue a recommendation to award, assist with contract for construction and construction

administration

1. RESPONSIBILITIES OF THE CITY OF WALTHAM:

The CITY will provide to the CONSULTANT all available record information for street layouts, water lines and building services, sanitary drain lines and building connections, and storm drain lines. The CITY will operate all existing valves during design and construction.

2. DELIVERY TO THE CITY:

The CONSULTANT shall begin performance of the services designated in the contract promptly upon receipt of a written Notice to Proceed. **The 90% preliminary design shall be submitted within 90 days from the Notice to Proceed and the final design shall be submitted within 120 days of the Notice to Proceed.** It is anticipated that construction can begin in the summer of 2016.

3. CONSULTANT'S LIABILITY:

Professional services provided by the CONSULTANT shall be in accordance with the generally accepted engineering principles and practices. The CONSULTANT shall be liable for all damage caused by errors or omissions in his work or the work of his subcontractors, agents or employees performed under the contract entered into by the CITY and the selected CONSULTANT. The CONSULTANT expressly agrees that his subcontractors, agents or employees shall possess the experience, knowledge and character necessary to qualify them individually for the particular duties they perform.

The CONSULTANT will be required to furnish a Certificate of Insurance, naming the CITY as Additional Insured, for General Liability and Vehicle Liability in the amount of \$500,000 per occurrence and \$1,000,000 in the aggregate and Worker's Compensation Insurance as prescribed by law.

Questions concerning this RFP must be submitted in writing to:

Joseph P. Pedulla, Chief Procurement Officer, at jp pedulla@city.waltham.ma.us

The City shall endeavor to distribute written answers via e-mailed addenda to all parties of record.

7. EVALUATION AND RANKING OF PROPOSALS:

Each proposal shall be reviewed by a designer selection board comprised of at least three members. Proposals will be evaluated upon the basis of the evaluation criteria for selection set forth and other appropriate factors. Submissions will then be ranked in the order of qualification. The first, second and third ranked proposals will be further reviewed and evaluated, including reference checks, by the committee. This further review and evaluation will include interviews or the opportunity to provide additional information to the committee.

The selection committee shall evaluate proposals based on the following criteria:

1. **Cost. (50 points).** Appropriateness, reasonableness and competitiveness of the cost proposal, including hourly charges for personnel and responsiveness to cost information requirements. Costs associated with enhancements and/or deletions to the Scope of Services may be considered under this criterion.
2. **Qualifications of key personnel. (20 points).** The identity and qualifications of key personnel, team members and sub-consultants available to work on this project, including their expected project assignments. The quality (appropriateness, capability and relevant project experience) of key personnel and continuity of the project team, key personnel and sub-consultants throughout the project.
3. **Similar experience/past performance on similar projects. (15 points).** The proposer's prior similar experience, including the work which best illustrates the team's most relevant experience, ability and expertise to perform the services requested in this RFP; and the proposer's past performance on similar projects, ongoing and completed within the past five years. The committee will review project descriptions and references from 3

communities in Massachusetts for systems of similar in size and complexity where the consultant has performed services similar to those included in this request.

4. **Technical Approach, Capacity, Management Approach. (10 points).** The quality, completeness and methodology of the technical approach envisioned for the project in response to the Scope of Services. The proposer's capacity to apply and commit itself successfully to the project tasks and to complete required services; its absence of conflicting commitments to concurrent projects; and its scheduling. The clarity, completeness and effectiveness of the proposed organizational structure and the proposed management approach required to successfully manage this project. The demonstrated ability of the team to work together effectively, to maintain schedule and cost control on this project, to resolve resource constraints, and to interact effectively with City of Waltham operations and staff.
5. **Minority and Women-owned Business Enterprise Participation 17.9% combined (MBE/WBE). (5 points).** The amount and significance of MBE and WBE participation and the involvement which meets or exceeds the required minimum percentage established for this project.

REVISIONS IN SCOPE OF WORK

If during the term of the contract, substantial changes are made by the CITY in the scope of character of the work to be performed, the CONSULTANT shall make the necessary changes only after receiving a written order from the CITY and the CITY will adjust the fee accordingly. In the event that no such written agreement regarding payment ceiling adjustment has been executed prior to the performance of such increased work, the CONSULTANT shall not be entitled to any additional fee. Accordingly, the CONSULTANT is under no obligation to perform work reflecting a change in scope if he has not received a written adjustment of the fee.

SUBMISSION OF PROPOSAL

Please submit six (6) copies of the proposal.

The proposal shall begin with a cover letter addressed to Mr. Joseph Pedulla, CPO which confirms that the proposer understands and agrees to the provisions of this RFP and which furnishes the following statements or information:

1. Cost proposal. **Place in a Separate Sealed Envelope**
2. Certify that all cost information is accurate
3. State that it will meet the insurance requirements for this project may obtained from office of the City of Waltham, Chief Procurement Officer
4. Say if the firm or any member of the firm is currently debarred from doing business with any government entity or is a party to any pending or current litigation which might adversely affect performance on this project
5. Declare if the firm has filed for the protection of U. S. Bankruptcy Court in the last seven years
6. Include information in the cover letter that demonstrates compliance with the minimum threshold requirements
7. Completed "Compliance" section.

Firms planning to submit a proposal are encouraged to ask for background information on any aspect of this request so that the submitted proposal fulfills the requirements of the City Engineer. Such information shall be shared with interested parties of record.

Proposals shall be submitted in writing in a sealed envelope **no later than 10:00 am Wednesday February 24, 2016**, to:

Joseph P. Pedulla
Chief Procurement Officer
City of Waltham
610 Main Street

PAYMENT

Payment shall be made following receipt of monthly invoices provided deliverables have been received on schedule.

PROPOSAL EVALUATION PROCEDURE

A subcommittee will evaluate qualifications on the basis of criteria contained herein. Submittals failing to comply with one or more of the minimum criteria stated below shall be disqualified from further consideration.

Submittals that comply with the minimum criteria will be further evaluated on the basis of the comparative criteria detailed below. Each proposal meeting the minimum criteria will be assigned a rating for each comparative criterion, as well as a composite rating. Selection of the three finalists will be based on meeting all minimum criteria, and the evaluation of qualifications with regard to the comparative criteria. The City will rank the three finalists.

A. Minimum Evaluation Criteria

The Chief Procurement Officer shall reject Proposals which do not meet the following certain minimum requirements:

- 1) Submitting architectural firm must have a minimum of five (5) projects during the past five years involving similar Design services.
- 2) The Proposal must be from an individual or established business, corporation, partnership, sole proprietorship, joint stock company, joint venture, firm, or other entity engaged in the practice of providing such services as the principal business for which the entity was formed.
- 3) The firm must possess all necessary current licenses and registrations, as applicable, either within the firm or through independent consultants, to qualify under Massachusetts law to perform the stated services. All consultants carried by the Architect are to be licensed to provide professional services in the Commonwealth of Massachusetts.
- 4) All Proposers must provide a "Contractor Profile" that includes:
 - a. Full name, tax identification number, main office address and officers of the Contractor that would ultimately enter into a Contract with the City of Waltham.
 - b. History and background including when the Contractor was organized and if a corporation, where incorporated, and how many years engaged in providing the stated services. Provide a complete list of officers and/or associates who will be directly involved with the stated project including name, title, address, telephone number, and e-mail address.
- 5) The Proposal must be signed by an agent of the company who has authority to bind the company to a firm bid price.
- 6) All responses are to include a statement that the Proposal is in accordance with this Request for Qualifications and that the proposer has read and understands all sections and provisions herein. Exceptions, if any, are to be clearly stated.

B. Miscellaneous Requirements

Public Relations: The City of Waltham and the Proposer shall cooperate in maintaining good public relations throughout the period of this project. Any announcements including, but not limited to, press releases, bill stuffers, flyers, web site information, and so forth, shall be submitted to the Project Manager, or designee, for review and approval before distribution to the public.

The Architect, or a representative of the firm given the Contract may be required to meet privately or publicly with various representatives, committees, boards, or commissions of the City of Waltham or other public forums, to discuss this project, gather information, and address any concerns or to provide timely updates.

C. Financial Scope of Services

The Price Proposal must be submitted in a separately sealed envelope and no mention of the pricing portions of the Proposal shall be mentioned in the technical, or non-price qualifications portion of the Proposal. Failure to meet this stipulation may be cause for the Proposal to be rejected.

COMPARATIVE EVALUATION CRITERIA

The City reserves the right to award the contract to the responsive and responsible qualification submittal which best meets the City's needs, taking into account firm qualifications, submittal quality, evaluation criteria and proposal price. The awarding authority's decision or judgment on these matters shall be final; the committee will use the comparative criterion for each separate rating area, and based upon these criteria, will assign an overall rating to each proposal. Each of the criteria may contain ratings of:

Unacceptable
Not Advantageous
Acceptable
Advantageous
Highly Advantageous

An "Unacceptable" rating in any one of the criteria will eliminate the proposal from further consideration.

Firms must meet the minimum requirements as specified in Section III A. Failure to meet the minimum evaluation criteria will result in immediate rejection of the qualification submittal and will not be subject to further review.

The following criteria will be used in the evaluation of the architectural firm regarding the Technical or Non-Price Proposal in order to be placed on the short list for an interview with the Selection Committee.

Responding Firms are to address each of the following criteria in a clearly labeled section of their response and in the same order.

- 1) The Firm Background and Capability** to perform all of the aspects of the project, such as programming, building permitting, cost estimating and value engineering, architectural, mechanical, fire protection and electrical engineering.
 - a. Unacceptable:** Less than three (3) years of experience in providing Design services in Massachusetts with documented examples of such services.
 - b. Acceptable:** Three (3) to five (5) years of experience in providing Design services in Massachusetts with documented examples of such services.
 - c. Advantageous:** More than five (5) years of experience in providing Design services in Massachusetts with documented examples of such services.
 - d. Highly Advantageous:** More than seven (7) years of experience in providing Design services in Massachusetts with documented examples of such services.

- 2) Recent Relevant Experience** with projects comparable to the proposed project. Firm to describe relevant Massachusetts, permitting and design in this type of facility project.
 - a. Unacceptable:** Firm has no permitting or design background in providing this type of facility project.

No projects of similar type have been successfully completed.

- b. **Advantageous:** Firm has prior experience in permitting and design in providing this type of facility project that is current (within the past 5 years). One (1) to Three (3) projects of similar type have been successfully completed.
- c. **Highly Advantageous:** Firm has prior experience with permitting and design background in this type of facility project within that is current (within past 5 years). Additional similar work is underway currently within the firm. Three (3) or more projects of similar type have been successfully completed.

3) **Current Firm Capacity** list significant current work and work completed in the last five (5) years, as well as projects in-house but not yet begun; quantify.

- a. **Unacceptable:** No or limited current work listed.
- b. **Not Advantageous:** Firm capacity may be challenged by current work load when taking on this new assignment.
- c. **Advantageous:** Firm capacity appears to be able to handle this assignment with the given work load.
- d. **Highly Advantageous:** Firm capacity can easily handle this assignment with their given work load.

4) **References** Provide references with contact names and valid phone numbers of other clients whereby similar work has been performed.

- a. **Unacceptable:** References are not provided.
- b. **Not Advantageous:** References provided are not related to similar project type
- c. **Acceptable:** At least two (2) references are from similar project experience.
- d. **Advantageous:** More than three (3) references are provided from similar project types.
- e. **Highly Advantageous:** Five or more references are provided for similar project types.

5) **Project Discussion & Scope of Work, Project Understanding & Challenges, Project Approach**

- a. **Unacceptable** - Proposal did not adequately convey the Proposers understanding of the project and the firm's approach to completing the project successfully.
- b. **Not Advantageous** - The response indicates the proposer may understand the Owner's needs, but the plan provided is not clear enough to make a determination. The Proposers approach does not instill confidence in a plan to complete the project in a well thought out manner.
- c. **Advantageous** - The Scope of Services response provided indicates the proposer will meet the needs of the Owner; and shows the Proposers demonstrated understanding of the project and their approach to the work required to complete a successful project.
- d. **Highly Advantageous** - The Scope of Services response provided clearly indicates the understanding and ability to successfully meet the needs of the Owner; shows the Proposers demonstrated understanding of the project; their ability to bring leadership to the project and that their approach to the project demonstrates a creative and thorough process

6) **Proposed Schedule**

- a. **Unacceptable:** A proposed schedule was not offered.
- b. **Not Advantageous:** The proposed project schedule does not instill confidence by the Owner in the firm to complete the project in a well thought out manner.
- c. **Acceptable:** The proposed project schedule provided indicates the proposer understands the project, its scope and its timeframes for completing the work adequately.
- d. **Advantageous:** The proposed schedule provided indicates the proposer has more than adequately demonstrated their understanding of the project and the work required to complete a successful project and to meet the requirement of the Owner's review and approval cycles.
- e. **Highly Advantageous:** The proposed schedule provided indicates the proposer has demonstrated their complete understanding of the project and will monitor and keep the project on schedule. The firm understands the time required to complete a successful project and has clearly demonstrated their process which will meet the requirements of the Owner for timely reviews and approvals.

7) Innovative Energy Methods: Demonstrate any of the firm’s experience in using energy efficient power plants or recycled content materials in construction of municipal projects. List any LEEDS certified projects or related efforts involving “green” building design. Information should include project name, contact and phone numbers and reference to securing any energy related grants on behalf of clients.

- a. **Unacceptable:** No demonstration of knowledge or experience.
- b. **Advantageous:** The provision of methodology or material choices in similar project experience demonstrated on less than five (5) projects.
- c. **Highly Advantageous** – The provision of methodology or material choices in similar projects experience demonstrated on five (5) or more projects.

8) Response to Additional Narrative Information.

List support services and/or required documents required by your firm of the City.

Define what is not included within your fee proposal.

- a. **Unacceptable** – Proposer did not address Additional Narrative Information section.
- b. **Not Advantageous** – Proposal did not adequately respond to all additional Narrative Information as requested.
- c. **Advantageous** – Proposal was responsive, adequately responded to additional Narrative Information requested, appeared consistent with project intent, and responded to needs expressed by the documents in all areas
- d. **Highly Advantageous** - Proposal was very responsive, thoroughly responded to additional Narrative Information requested, appeared consistent with project intent, and responded to needs expressed by the documents in all areas.

9) Affirmative Action Plan: provide evidence of your firm’s policies.

- a. **Unacceptable:** Proposer did not submit their Affirmative Action Plan.
- b. **Not Advantageous:** Affirmative Action Plan was poorly defined.
- c. **Acceptable:** Affirmative Action Plan was responsive to the intent of the program.
- d. **Advantageous:** Affirmative Action Plan was responsive and more than adequately responded to the intent of the program.
- e. **Highly Advantageous:** Affirmative Action Plan was responsive and more than adequately responded to the intent of the program. The proposer demonstrated actual follow through on the program with documented firm history.

10) General Impression of Proposal

Unacceptable - The proposal was not responsive to the Comparative Evaluation Criteria in an acceptable manner.

Not Advantageous - Response is informative, meets the criteria for responsiveness. Reviewer feels proposal reflects that proposer is able to perform in a manner acceptable to the City but was not overly impressed by Proposers expression of ability.

Advantageous - Response is informative, meets criteria for responsiveness and communicates well. Reviewer feels proposal reflects that proposer is able to perform in a manner acceptable to the City, and shows the Proposers commitment to the City and the project.

Highly Advantageous - Response is concise, informative, and highly detailed. Proposal reflects that provider is able to perform in a manner acceptable to the City, communicates well and shows the Proposers commitment to the City and the project.

RULE FOR AWARD

The contract shall be awarded to the responsive and responsible proposer submitting the most advantageous proposal, taking into consideration the proposals relative merits and price

BASIS OF COMPENSATION

The contract awarded will be a fixed price contract not to exceed the awarded amount. [There will be no reimbursable expenses allowed.](#)

**AGREEMENT BETWEEN
THE CITY OF WALTHAM
AND**

THIS AGREEMENT made effective _____, 2016, by and between the **CITY WALTHAM, WALTHAM, MASSACHUSETTS**, a municipal corporation, acting by and through its Mayor at 610 Main, Waltham, Massachusetts 02452 (hereinafter called the "CITY"), and _____ whose principal office address and state of incorporation are as set forth (hereinafter called the "CONTRACTOR").

RECITALS:

WHEREAS, the CITY desires to retain the CONTRACTOR to provide certain services for the CITY, as described below, and the CONTRACTOR is willing to accept such engagement, all on the terms hereinafter set forth,

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

ARTICLE 1 - ENGAGEMENT OF THE DESIGNER

- 1.1 The CITY hereby engages the CONTRACTOR, and the CONTRACTOR hereby accepts the engagement to perform certain services for the CITY, as described in Article 2.
- 1.2 In the performance of any service under this Agreement, the CONTRACTOR acts at all times as an independent contractor. There is no relationship of employment or agency between the CITY, on the one hand, and the CONTRACTOR, on the other, and the CITY shall not have or exercise any control or direction over the method by which the CONTRACTOR performs its work or functions aside from such control or directions which are consistent with the independent contractor relationship contemplated in the Agreement.

ARTICLE 2 - SERVICES OF THE DESIGNER

- 2.1 The CONTRACTOR will perform the services described in the Scope of Services set forth in this document (the "Work").
- 2.2 The CONTRACTOR shall report, and be responsible, to the CITY and its designee (if any).
- 2.3 There shall be no amendment to the Scope of Services or Work provided for in this Agreement without the written approval of the CITY. The CITY shall be under no obligation to pay for any services performed by the CONTRACTOR which are not explicitly agreed to by the CITY in writing.
- 2.4 The CONTRACTOR represents and warrants to the CITY that the CONTRACTOR (including all of its personnel, whether employees, agents or independent contractors) will be qualified and duly licensed (if necessary) to perform the services required by this Agreement and further agrees to perform its services in a professional manner, and in accordance with the reasonable standard of care implied by law and all applicable local, state or federal ordinances, laws, rules and regulations, all of which are incorporated herein by reference. The CONTRACTOR will obtain and pay for any and all permits, bonds and other items required for the proper and legal performance of the Work.
- 2.5 The CONTRACTOR represents and warrants to the CITY that it is not a party to any agreement contract or understanding which would in any way restricts or prohibits it from undertaking or performing its obligations hereunder in accordance with the terms and conditions of this Agreement.

- 2.6 All written materials and any other documents (whether in the form of “hard” copies, graphics, magnetic media or otherwise) which are received and produced by the CONTRACTOR pursuant to this Agreement shall be deemed to be “work for hire” and shall be and become the property of the CITY upon the receipt and production of such items by the CONTRACTOR. The CITY acknowledges that such materials are being prepared with respect to the specific project contemplated hereby and that any reuse of such materials by the CITY in connection with any other project shall be at the CITY’s sole risk, unless otherwise agreed to by the CONTRACTOR in writing.
- 2.7 The CONTRACTOR shall be responsible for the professional and technical accuracy, and for the coordination, of all designs, drawings, specifications, estimates and other work or services furnished by CONTRACTOR or its consultants and subcontractors. The CONTRACTOR shall perform its work under this Agreement in such a competent and professional manner that detail checking and reviewing by the CITY shall not be necessary. The CONTRACTOR shall supervise and direct the Work, using its best skills and attention, which shall not be less than such state of skill and attention generally rendered by the design and engineering profession for projects similar to the subject project in scope, difficulty and location.
- 2.8 The CONTRACTOR shall not use any subcontractors or sub-consultants (not identified herein) for any work required under this Agreement unless such use has been approved in advance in writing by the CITY.
- 2.9 Notwithstanding anything to the contrary in this Agreement, the CONTRACTOR shall not be relieved of its obligations under this Agreement by the CITY’s performance, or failure to perform, any of the CITY’s administrative duties under this Agreement, including, but not limited to, the CITY’s review and/or approval of plans, estimates, programs, documents, materials, work and services furnished by CONTRACTOR.

ARTICLE 3 - PERIOD OF SERVICES

- 3.1 Unless otherwise provided, the term of this Agreement shall commence on the date hereof and continue until the Work is completed to the City’s reasonable satisfaction.
- 3.2 The CONTRACTOR shall proceed with the Work promptly after receiving Notice to Proceed and will diligently and faithfully prosecute the Work to completion in accordance with the provisions hereof. In any event, the Work shall be completed no later **than 90 days from the date of the Notice to Proceed**. The CONTRACTOR acknowledges that time is of the essence of this Agreement.
- 3.3 If the CONTRACTOR is delayed in the performance of any of its obligations under this Agreement by the occurrence of an unforeseen event beyond its control such as fire or other casualty, abnormal adverse weather conditions, acts of God (collectively, "Unavoidable Events") which materially and adversely affect its ability to perform the Work, then the time for the CONTRACTOR to perform the Work shall be extended for such time as the CITY shall reasonably determine is necessary to permit the CONTRACTOR to perform in light of the effects of the Unavoidable Event.

If an Unavoidable Event occurs which, in the City’s reasonable determination, makes the performance of the Agreement impossible without the expenditure of additional CITY funds, the CITY may, at its option, elect to terminate this Agreement upon thirty (30) days written notice.

ARTICLE 4 - PAYMENTS TO THE DESIGNER

- 4.1 The compensation due to the CONTRACTOR shall be paid in the amounts, and in the manner, set forth on Exhibit B, attached hereto.
- 4.2 The CONTRACTOR will bill the CITY in two equal invoices at the completion of the work unless otherwise

provided with one or more invoices broken down to show the quantity of work performed and the percentage of the entire project completed, categories and amount of reimbursable expenses (if any), and provide such supporting data as may be required by the CITY.

- 4.3 The CITY will pay the CONTRACTOR upon review and approval of such invoices by the CITY or its designee.
- 4.4 This engagement may be subject to budgetary restrictions which may limit the total amount of funds available for the Work. Accordingly, unless otherwise stated on Exhibit B, the CITY will not be obligated to pay any amount in excess of the maximum project amount without the express written approval of the CITY.
- 4.5 The CONTRACTOR and its sub-contractors shall not be compensated for any services involved in preparing changes that are required for additional work that should have been anticipated by the CONTRACTOR in the preparation of the documents, as reasonably determined by the CITY.

ARTICLE 5 - TERMINATION

- 5.1 This Agreement may be terminated, with or without cause, by either the CITY upon written notice given by the City to the other party. For the purposes of this provision, "cause" shall include the failure of a party to fulfill its material duties hereunder in a timely and proper manner.
- 5.2 The CITY shall have the right to terminate this Agreement for its convenience and without cause upon ten (10) days written notice.
- 5.3 Following termination of this Agreement, the parties shall be relieved of all further obligations hereunder except:
 - (a) unless the CITY terminates for cause under paragraph 5.1, in which event the CITY shall be under no obligation to make any payments to CONTRACTOR except for those services satisfactorily provided, the CITY shall remain responsible for payments for the services satisfactorily performed and, unless this Agreement is for a lump-sum, expenses of CONTRACTOR reasonably accrued prior to the effective date of the notice of termination in compliance with this Agreement (less the value of any claims of the CITY), all as determined by the CITY in its sole discretion, but for no other amounts, including, without limitation, claims for lost profits on Work not performed; and
 - (b) The CONTRACTOR shall remain liable for any damages, expenses or liabilities arising under this Agreement (including its indemnity obligations) with respect to WORK performed pursuant to the Agreement.

ARTICLE 6 - INSURANCE AND INDEMNIFICATION

6.1 The CONTRACTOR agrees to indemnify and save the CITY harmless from any and all manner of suits, claims, or demands arising out of any errors, omissions or negligence by CONTRACTOR (including all its employees, agents and independent contractors) in performing the Work, or any breach of the terms of this Agreement by such CONTRACTOR and shall reimburse the CITY for any and all costs, damages and expenses, including reasonable attorney's fees, which the CITY pays or becomes obligated to pay, by reason of such activities, or breach. The provisions of this Section 6.1 shall be in addition to, and shall not be construed as a limitation on, any other legal rights of the CITY with respect to the CONTRACTOR, in connection with this Agreement, and shall survive termination or expiration of this Agreement.

6.2 Before commencing work the CONTRACTOR shall obtain and maintain at its expense and from insurance companies of a Best Rating of A or better, which are licensed to do business in the Commonwealth of Massachusetts, insurance as set forth below. If the CONTRACTOR is permitted to sub-contract a material portion of the Work, or is otherwise identifying a third party to perform services for the City, the CONTRACTOR shall assure that such sub-contractor or other third party also has such insurance.

- (a) Workers' Compensation, covering the obligations of the CONTRACTOR in accordance with applicable Workers' Compensation or Benefits laws.
- (b) Commercial General Liability Insurance on an occurrence basis with a combined single limit of not less than \$1 million. Coverage is to include premises and operations, coverage for liability of subcontractors. The policy shall contain an endorsement stating that the aggregate limits will apply separately to the work being performed under this Agreement.
- (c) Automobile Liability Insurance of not less than \$1 million combined single limit covering owned, hired and non-hired vehicle use.
- (d) Errors and Omissions Insurance of not less than \$2 million per claim. The coverage shall be in force from the date of execution of the Agreement to the date when all design and construction work is completed and accepted by the CITY, unless, however, the policy is a "claims made policy," in which event the policy shall remain effective and in full force for a period of six (6) years after completion of all design and construction work relating to the engagement.
- (e) Such additional insurance as may be required to be carried by the CONTRACTOR by law.
- (f) Such additional insurance as the CITY may reasonably require, as set forth below.

CONTRACTOR shall maintain such insurance during the term of Agreement and give the CITY twenty (20) days written notice of any change or cancellation of coverage. Each insurer providing policies hereunder shall waive its rights to subrogate claims against the CITY. [The City of Waltham is a named additional insured for General Liability](#) with respect to each such policy and such endorsement shall be reflected on a Certificate of Insurance to be delivered to the CITY upon the execution of this Agreement and at such times thereafter as the CITY may reasonably request.

ARTICLE 7 - GENERAL PROVISIONS

7.1 Upon the expiration or the termination of this Agreement for any reason, all data, drawings, specifications, reports, estimates, summaries and other work product which have been accumulated, developed or prepared by the CONTRACTOR (whether completed or in process) shall become the property of the CITY upon payment for such to the CONTRACTOR and the CONTRACTOR shall immediately deliver or otherwise make available all such material to the CITY.

7.2 Neither party may assign, transfer or otherwise dispose of this Agreement or any of its rights hereunder or otherwise delegate any of its duties hereunder without the prior written consent of the other party, and any such attempted assignment or other disposition without such consent shall be null and void and of no force and effect.

7.3 Except as otherwise expressly provided in this Agreement, any decision or action made by the CITY relating to this Agreement, its operation, amendment or termination, shall be made by the Board, Committee or Authority of the CITY specified in the initial paragraph of this Agreement, unless specifically authorized or delegated by a lawful vote of such body.

7.4 This Agreement, together with and any additional exhibits referred to therein, constitute the entire agreement of CITY and CONTRACTOR with respect to the matters set forth therein and may not be changed, amended, modified or terms waived except by a writing signed by CITY and CONTRACTOR. If there is any conflict among the terms set forth in the body of this Agreement or in any other document or law incorporated by reference herein, such conflict shall be resolved by giving precedence to the party's address above by certified mail, return receipt requested Terms or provisions contained in the following documents in accordance with the following hierarchy, with the topmost document of the highest priority:

- A. Applicable federal, state and local laws, rules and regulations.
- B. Amendments to this Agreement, if any.
- C. This Agreement.
- D. Any other attachments to this Agreement.

To the extent the conflict is not resolved by applying the above hierarchy, the conflict shall be resolved in a manner that results in the highest quantity and best quality of goods and services to the CITY.

7.5 This Agreement is governed by the law of The Commonwealth of Massachusetts and shall be construed in accordance therewith. The parties agree that exclusive jurisdiction for any action arising out of or relating to this Agreement shall lie with the state and federal courts having jurisdiction over the county and state in which the City is located and the parties hereby irrevocably waive, to the fullest extent permitted by law, any objection which they may now or hereafter have to the venue of any proceeding brought in such location and further irrevocably waive any claims that any such proceeding has been brought in an inconvenient forum.

7.6 Any notices required or allowed shall be to the person's address above by certified mail, return receipt requested.

7.7 Notwithstanding anything to the contrary in this Agreement, this Agreement is subject to the appropriation and availability of funds.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first written above.

For the CITY OF WALTHAM,

MAYOR

For the CONTRACTOR:

Jeannette A. McCarthy

Sign
TITLE: _____
Print Name: _____
Date: _____

PURCHASING AGENT

Joseph Pedulla,

CITY SOLICITOR (as to form only)

John Cervone

AUDITOR

Paul Centofanti

Approved as to Funds Available

ENGINEERING DEPARTMENT

Stephen Casazza, City Engineer

EXHIBIT A

Intentionally left blank

EXHIBIT B

PAYMENTS

1. Lump Sum Method
 - a. **Maximum Project Amount:**
 - b. **Payment Increments:** CONTRACTOR shall submit two (2) lump sum certificates for payment. 50% after final commissioning by design engineer and 50% after the completion of the construction project.
 - c. **Reimbursable Expenses (if any):** None.

COMPLIANCE SECTION

EXHIBIT C

TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. 62C, Sec.49A, the undersigned certifies under the penalties of perjury that it, to the best knowledge and belief of management, has filed all state tax returns and paid all state taxes required under law (if any, are so required).

By:

Name, President

Date

FEIN:

EXHIBIT D

CITY OF WALTHAM'S DESIGN PROCEDURES

Please respond to this solicitation by:

- ◆ **Completing the entire Compliance Section including Attachments B-C and E-L**
- ◆ **Complete the Price Sheet.** (Include in a separate sealed envelope with the project name and company)
- ◆ **Completing the Commonwealth of Massachusetts DSB Application Form. Version July 2011**
<http://www.mass.gov/anf/docs/dcam/dlforms/dsb/13-2-5-dsb-application-form.pdf>
- ◆ **Including your company brochure and marketing materials (optional).**

EXHIBIT E

DESIGNER'S PERSONNEL ASSIGNED TO THE PROJECT

(Provide Name, Title and Project Role for Each Individual Listed)

EXHIBIT F

(Use additional sheets if necessary. Note: Do not list any support staff.)

Design Firm Principal:

Design Firm Associate:

Design Firm Project Manager:

Design Firm Project Architect:

Design Firm CAD Operator:

[The following categories are to be completed for each Consultant.]

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

Name of Consultant Firm:

Consultant Principal:

Consultant Associate:

Consultant Project Manager:

Consultant Project Engineer:

Consultant CAD Operator:

EXHIBIT G

DESIGNER'S TRUTH-IN-NEGOTIATIONS CERTIFICATE

The Designer for design services for:

_____, hereby certifies
and agrees to the following:

- a) The Designer certifies that the wage rates and other costs used to support the Designer's compensation are accurate, complete, and current at the time of contracting; and
- b) The Designer agrees that the original contract price and any additions to the contract may be adjusted within six years of completion of the contract to exclude any significant amounts if the City of Waltham determines that the fee was increased by such amounts due to inaccurate, incomplete, or noncurrent wage rates or other costs.

Designer Firm:

By: _____
Duly authorized

Print Name _____

Date: _____

EXHIBIT H

NON-COLLUSION FORM AND TAX COMPLIANCE FORM

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity or group of individuals. The undersigned certifies that no representations made by any City officials, employees, entity, or group of individuals other than the Purchasing Agent of the City of Waltham was relied upon in the making of this bid

(Signature of person signing bid or proposal) Date

(Name of business)

TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. c. 62C, & 49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Signature of person submitting bid or proposal Date

Name of business

NOTE

Failure to submit any of the required documents, in this or in other sections, with your bid response package

may cause the disqualification of your proposal.

EXHIBIT I

CERTIFICATE OF VOTE OF AUTHORIZATION

Date:

I _____, Clerk of _____ hereby certify that at a meeting of the Board of Directors of said Corporation duly held on the _____ day of _____ at which time a quorum was present and voting throughout, the following vote was duly passed and is now in full force and effect:

VOTED: That _____ (*name*) is hereby authorized, directed and empowered for the name and on behalf of this Corporation to sign, seal with the corporate seal, execute, acknowledge and deliver all contracts and other obligations of this Corporation; the execution of any such contract to be valid and binding upon this Corporation for all purposes, and that this vote shall remain in full force and effect unless and until the same has been altered, amended or revoked by a subsequent vote of such directors and a certificate of such later vote attested by the Clerk of this Corporation.

I further certify that _____ is duly elected/appointed _____ of said corporation

SIGNED:

(Corporate Seal)

Clerk of the Corporation:

Print Name: _____

COMMONWEALTH OF MASSACHUSETTS

County of _____

Date:

Then personally appeared the above named and acknowledged the foregoing instrument to be their free act and deed before me, _____

Notary Public;

My Commission expires: _____

EXHIBIT J

CORPORATION IDENTIFICATION

The bidder for the information of the Awarding Authority furnishes the following information.

If a Corporation:

Incorporated in what state _____

President _____

Treasurer _____

Secretary _____

Federal ID Number _____

If a foreign (out of State) Corporation – Are you registered to do business in Massachusetts?

Yes _____, No _____

If you are selected for this work you are required under M.G.L.ch. 30S, 39L to obtain from the Secretary of State, Foreign Corp. Section, State House, Boston, a certificate stating that you Corporation is registered, and furnish said certificate to the Awarding Authority prior to the award.

If a Partnership: (Name all partners)

Name of partner _____

Residence _____

Name of partner _____

Residence _____

If an Individual:

Name _____

Residence _____

If an Individual doing business under a firm's name:

Name of Firm _____

Name of Individual _____

Business Address _____

Residence _____

Date _____

Name of Bidder _____

By _____

Signature _____

Title _____

Business Address _____ (POST OFFICE BOX NUMBER NOT ACCEPTABLE)

City State Telephone Number Today's Date

EXHIBIT K

PROVIDE THREE (3) SERVICE APPROPRIATE REFERENCES

1. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

2. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

3. Company Name:

Address:

Contact Name:

Phone #

Type of service/product provided to this Company:

Dollar value of service provided to this Company:

NOTE

Failure to submit any of the required documents, in this or in other sections, with your bid response package will be cause for the disqualification of your company.

EXHIBIT L

DEBARMENT CERTIFICATION

In connection with this bid and all procurement transactions, by signature thereon, the respondent certifies that neither the company nor its principals are suspended, debarred, proposed for debarment, declared ineligible, or voluntarily excluded from the award of contracts, procurement or non procurement programs from the Commonwealth of Massachusetts, the US Federal Government and /or the City of Waltham. "Principals" means officers, directors, owners, partners and persons having primary interest, management or supervisory responsibilities with the business entity. Vendors shall provide immediate written notification to the Purchasing Agent of the City of Waltham at any time during the period of the contract of prior to the contract award if the vendor learns of any changed condition with regards to the debarment of the company or its officers. This certification is a material representation of fact upon which reliance will be placed when making the business award. If at any time it is determined that the vendor knowingly misrepresented this certification, in addition to other legal remedies available to the city of Waltham, the contract will be cancelled and the award revoked.

Company Name _____

Address _____

City _____, State _____, Zip Code _____

Phone Number (____) _____

E-Mail Address _____

Signed by Authorized Company Representative: _____

Print name _____,

Date _____

PRICE SHEET

(Place in separate sealed envelope market with the title of the project and the name of your company)

My company offers the not too exceed, fixed, all-inclusive fee of

1. Design (fixed and not-to-exceed) \$ _____

2. Construction Administration / Oversight \$ _____
(fixed and not-to-exceed)

PROPOSAL TOTAL (fixed and not-to-exceed) \$ _____

My Company acknowledges receipt of addenda: _____, _____, _____, _____, _____

Company: _____

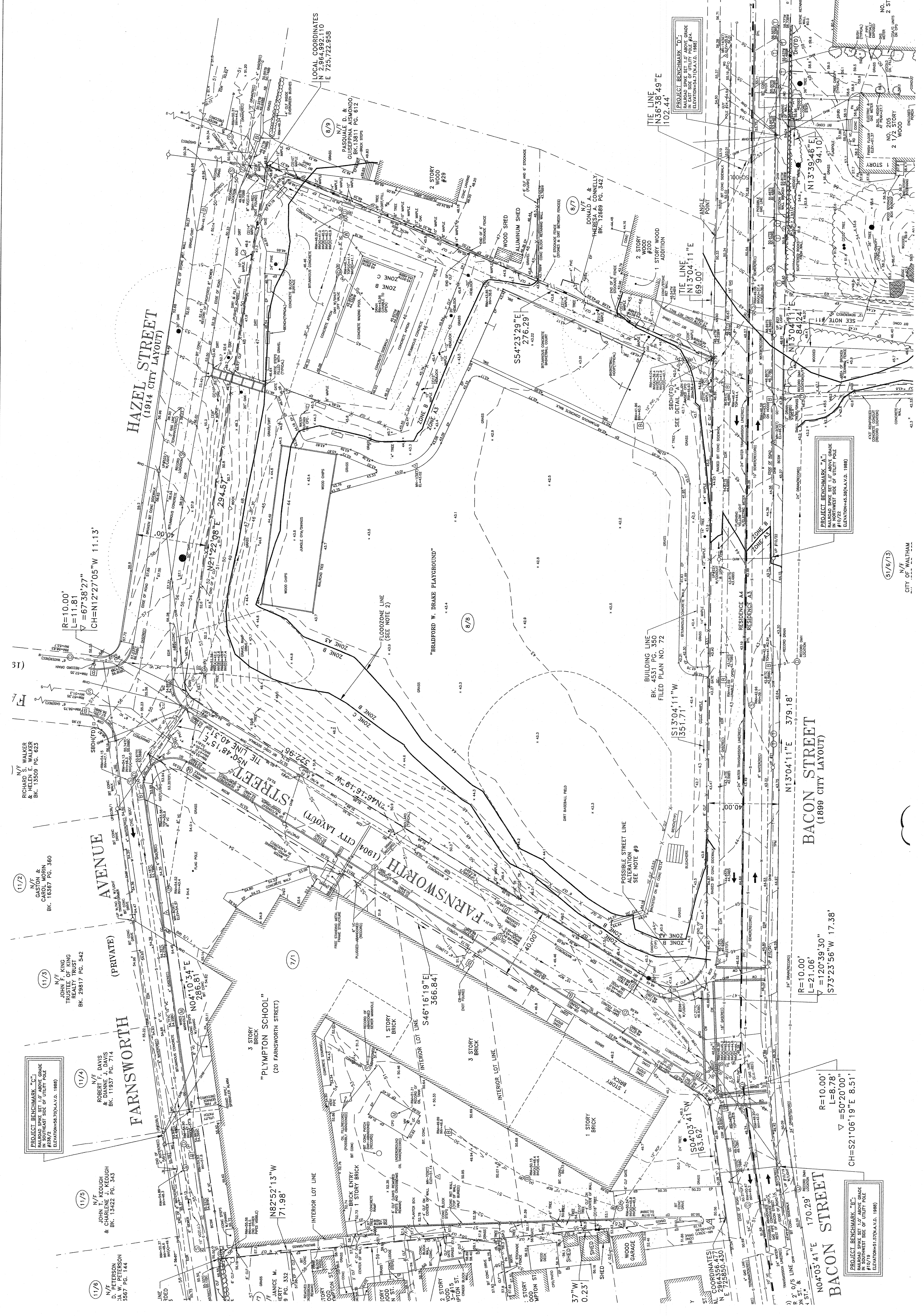
Authorized Signature: _____

Print Name: _____

Phone: _____, Date: _____

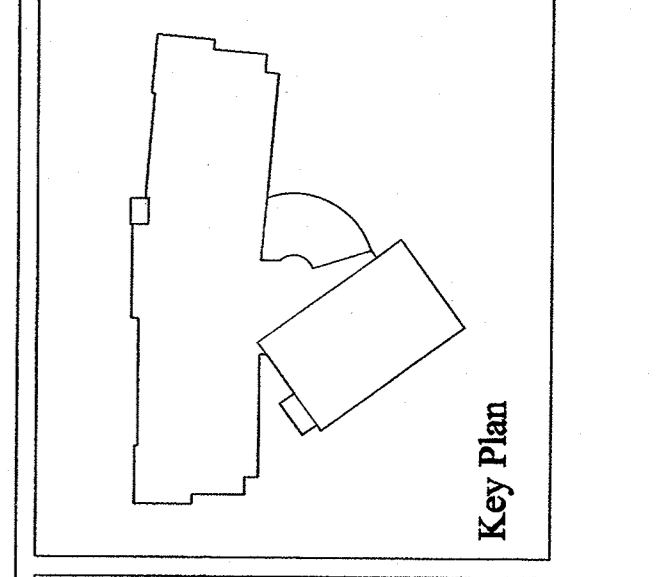
E-Mail Address: _____

APPENDIX A



EXISTING CONDITIONS

NEW PLYMPTON ELEMENTARY SCHOOL
20 Farnsworth Street
Waltham, Massachusetts



FLANSBURGH ASSOCIATES
77 North Washington Street
Boston, Massachusetts 02114
Fosbottle 617-720-7873

Architecture
Master Planning
Interior Design

GELLER ASSOCIATES, INC.
Landscape Architect
77 N. Washington Street
Boston, MA 02114
617.933.9100

TAP CONSULTING ENGINEERS, INC.
Mechanical, Electrical, Plumbing
and Fire Protection Engineers
TAVARIS DESIGN ASSOCIATES
Furniture, Equipment and Casework Consultant

EDVANCE
Computer/Technology Consultant

GELLER ASSOCIATES, INC.
Landscape Architect
77 N. Washington Street
Boston, MA 02114
617.933.9100

JUDITH NITSCH ENGINEERING, INC.
Civil Engineer

WELCH ASSOCIATES, INC.
Land Surveyor

ENGINEERS DESIGN GROUP
Structural Engineer

TRIP CONSULTING ENGINEERS, INC.
Mechanical, Electrical, Plumbing
and Fire Protection Engineers
TAVARIS DESIGN ASSOCIATES
Furniture, Equipment and Casework Consultant

EDVANCE
Computer/Technology Consultant

GELLER ASSOCIATES, INC.
Landscape Architect
77 N. Washington Street
Boston, MA 02114
617.933.9100

TAP CONSULTING ENGINEERS, INC.
Mechanical, Electrical, Plumbing
and Fire Protection Engineers
TAVARIS DESIGN ASSOCIATES
Furniture, Equipment and Casework Consultant

EDVANCE
Computer/Technology Consultant

JUDITH NITSCH ENGINEERING, INC.
Civil Engineer

WELCH ASSOCIATES, INC.
Land Surveyor

ENGINEERS DESIGN GROUP
Structural Engineer

GELLER ASSOCIATES, INC.
Landscape Architect
77 N. Washington Street
Boston, MA 02114
617.933.9100

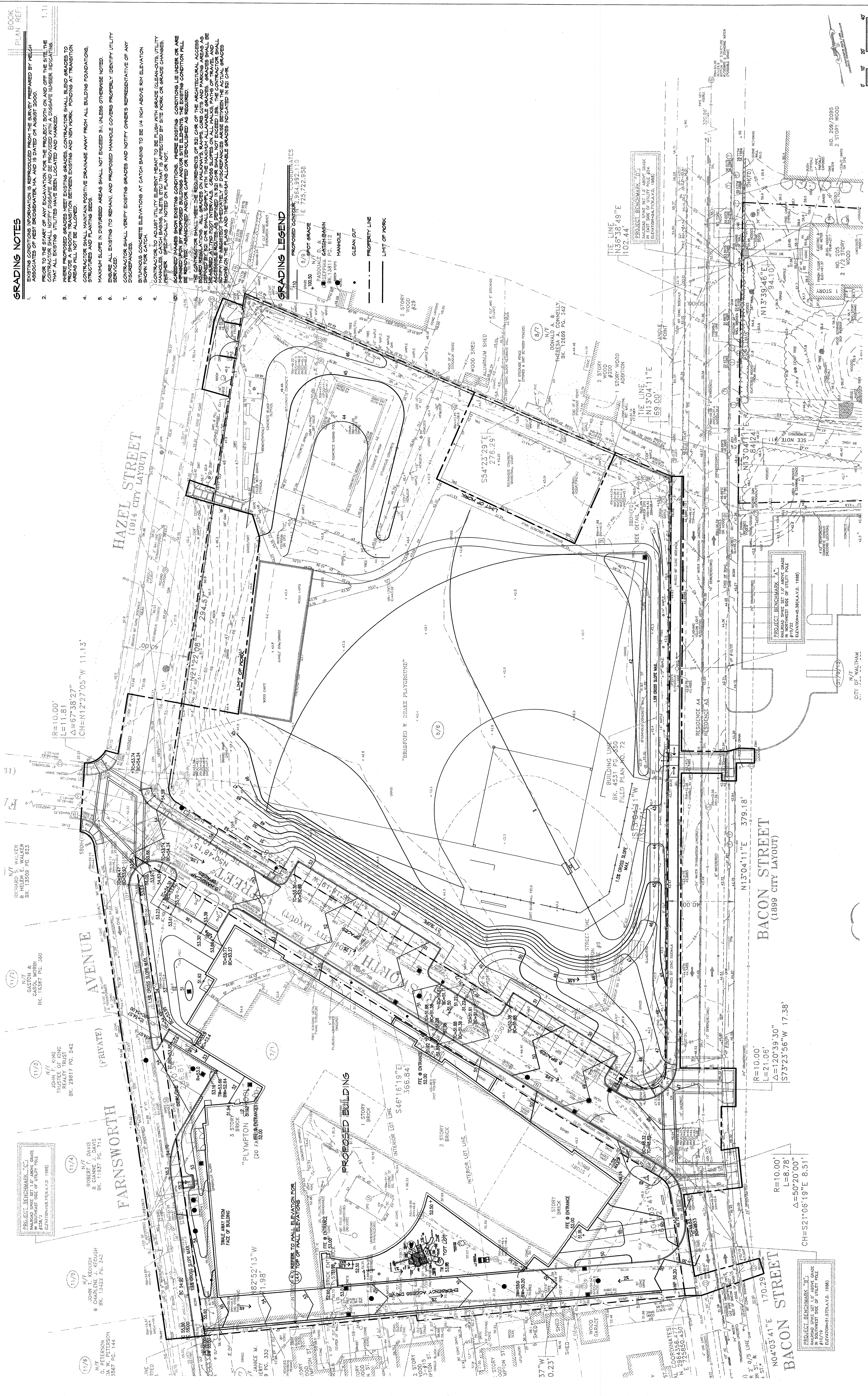
No.	Description of Parties	Date

GRADING NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY WELCH ASSOCIATES, INC. AND IS DATED ON AUGUST 2000.
- THE GRADE SHALL BE ADJUSTED TO MEET THE REQUIREMENTS OF THE PROJECT. BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND MARK THEM TO BE MAINTAINED. ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO ACHIEVE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS SHALL NOT BE ALLOWED.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS.
- MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3% UNLESS OTHERWISE NOTED.
- EXISTING ALL UTILITIES TO REMAIN, AND PROPOSED MANHOLE COVERS, IDENTIFY UTILITY DISCREPANCIES.
- CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4" INCH ABOVE FIN ELEVATION SHOWN FOR CATCH.
- CONTRACTOR TO ADJUST UTILITY ELEMENT HEIGHT TO BE FLUSH WITH GRADE (CLEAN-OUTS, UTILITY MANHOLES, ETC.) UNLESS OTHERWISE NOTED. ANY ADJUSTMENT SHALL BE SPECIFICALLY NOTED ON PLANS OR NOT.
- SCREENED MANHOLES SHOW EXISTING CONDITIONS. WHERE EXISTING CONDITIONS UNUSUAL OR ARE DIFFERENT FROM PROPOSED BUILDING AND/OR SITE ELEVATIONS, THE EXISTING CONDITION WILL BE INDICATED BY A NOTE. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF 92.0% OF THE ARCHITECTURAL GRADES. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF 92.0% OF THE ARCHITECTURAL GRADES. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF 92.0% OF THE ARCHITECTURAL GRADES. CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF 92.0% OF THE ARCHITECTURAL GRADES.

GRADING LEGEND

- PROPOSED GRADE
- EXISTING GRADE
- CLEAN OUT
- PROPERTY LINE
- LIMIT OF WORK



<p>FLANSBURGH ASSOCIATES 77 North Washington Street Boston, Massachusetts 02114 Telephone 617-367-3970 Facsimile 617-720-7975</p>	<p>GRADING PLAN</p>	<p>NEW PLYMPTON ELEMENTARY SCHOOL 20 Farnsworth Street Waltham, Massachusetts</p>
<p>GELLER ASSOCIATES, INC. Landscape Architect</p>	<p>TMP CONSULTING ENGINEERS, INC. Mechanical, Electrical, Plumbing, and Fire Protection Engineer</p>	<p>JUDITH HITSCH ENGINEERING, INC. Civil Engineer</p>
<p>JUDITH HITSCH ENGINEERING, INC. Civil Engineer</p>	<p>TAVARES DESIGN ASSOCIATES Furniture, Equipment and Casework Consultant</p>	<p>WELCH ASSOCIATES, INC. Land Surveyor</p>
<p>EDYKANS Computer/Technology Consultant</p>	<p>ENGINEERS DESIGN GROUP Structural Engineer</p>	<p>GELLER Site Planning Landscape Architecture 77 N. Washington Street Boston, MA 02114 617-582-8105</p>

New Plympton Elementary School

Waltham, Massachusetts

Construction Documents Set

March 5, 2003

Architect

FLANSBURGH ASSOCIATES

77 North Washington Street Boston, Massachusetts 02114-1910
 Telephone 617-367-3970 Fax 617-720-7873

FAI Project No. 2005.00

Consultants

Landscaping
Welch Associates
 353 West Center Street
 West Bridgewater, MA 02379

Civil Engineers
Judith Nitsch Engineering, Inc.
 186 Lincoln Street
 Suite 200
 Boston, MA 02111

Landscaping Architects
Geller Associates, Inc.
 77 North Washington Street
 Boston, MA 02114

Furniture & Equipment
Tavares Design Associates
 319 Massachusetts Avenue
 Arlington, MA 02174

Food Service
Tavares Design Associates
 319 Massachusetts Avenue
 Arlington, MA 02174

Structural Engineers
Engineers Design Group
 48 Inman Street
 Cambridge, MA 02139

Mechanical/Electrical/Plumbing/Fire Protection Engineers
TMP Consulting Engineers Inc.
 52 Temple Place
 Boston, MA 02111

Technology
Edvance
 2 Summer Street
 Chelmsford, MA 01824

Acoustical
Acentech, Inc.
 125 Cambridge Park Drive
 Cambridge, MA 02140

Geotechnical
SEA Consultants Inc.
 485 Massachusetts Avenue
 Cambridge, MA 02139-4018

Cost Estimators
CostPro
 124 Mount Auburn Street
 Cambridge, MA 02138

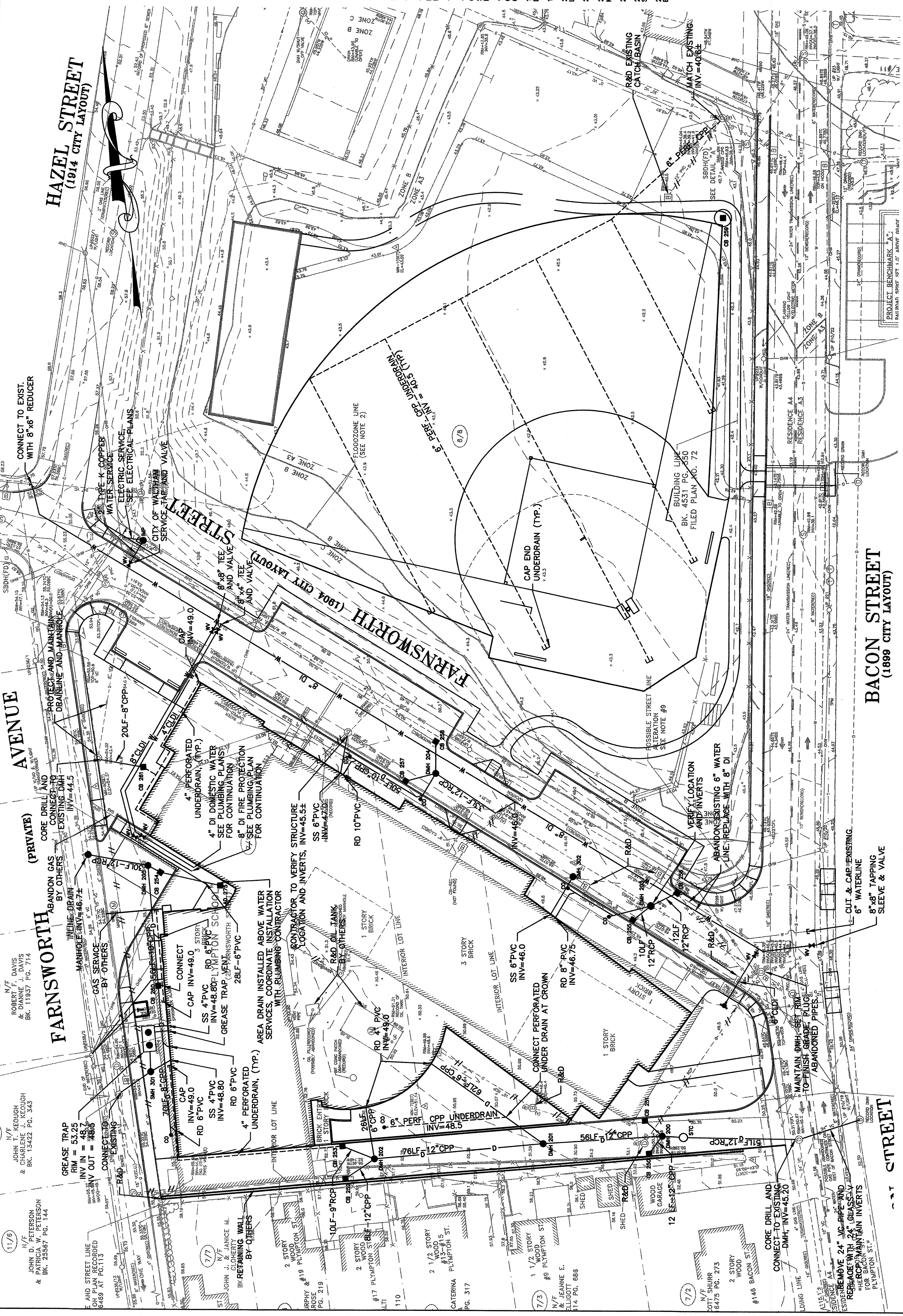
List of Drawings

LANDSCAPE	Existing Conditions	Abbreviations and Symbols	ELECTRICAL	TELECOMMUNICATIONS
X1.1	Demolition Plan (Reference)	Master Keynotes List	E0.00	T1.01
D-1	Site Preparation Plans	Code Plan	E0.01	T1.02
SP-1	Layout & Materials Plan	Accessibility Standards	E1.01	T1.03
L1.1	Grading Plan	Partition Types	E1.02	T2.01
L2.1	Planting Plan	First Floor Plan	E1.03	T2.02
L3.1	Site Details	Second Floor Plan	E1.04	T2.03
L4.1	Site Details	Roof Plan	E2.01	T2.04
L4.2	Site Details	Reflected Ceiling Plan - First Floor	E2.02	
L4.3	Site Details	Reflected Ceiling Plan - Second Floor	E2.03	
L4.4	Site Details	Reflected Ceiling Plan - Third Floor	E2.04	
C1.0	CIVIL	Building Elevations		
C1.1	Site Utility Plans	Building Elevations		
C1.2	Layout Plan	Building Elevations		
C1.3	Civil Details	Wall Sections		
A0.01	Abbreviations and Symbols	Wall Sections		
A0.02	Master Keynotes List	Vertical Details		
A0.03	Code Plan	Vertical Details		
A0.04	Accessibility Standards	Vertical Details		
A0.05	Partition Types	Vertical Details		
A1.01	First Floor Plan	Plan Details		
A1.02	Second Floor Plan	Plan Details		
A1.03	Third Floor Plan	Plan Details		
A1.04	Roof Plan	Plan Details		
A2.01	Reflected Ceiling Plan - First Floor	Window, Storefront and Louver & Details		
A2.02	Reflected Ceiling Plan - Second Floor	Window, Details		
A2.03	Reflected Ceiling Plan - Third Floor	Roof Details		
A3.01	Building Elevations	Roof Details		
A3.02	Building Elevations	Enlarged Toilet Plans & Elevations		
A3.03	Building Elevations	Enlarged Stair Plans		
A4.01	Building Elevations	Enlarged Stair Plans		
A4.02	Wall Sections	Stair Details		
A4.03	Wall Sections	Elevator Details		
A4.04	Wall Sections	Interior Elevations - Classrooms		
A5.01	Vertical Details	Interior Elevations - Classrooms, Art Rm., OT/PT.		
A5.02	Vertical Details	Interior Elevations - Music Practice Rm.		
A5.03	Vertical Details	Interior Elevations - Media Center		
A5.04	Vertical Details	Interior Elevations - Media Center		
A5.05	Vertical Details	Interior Elevations - First Flr. Corridor		
A5.06	Vertical Details	Interior Elevations - Second Flr. Corridor		
A5.07	Plan Details	Interior Elevations - Third Flr. Corridor		
A5.08	Plan Details	Interior Elevations - 1, 2, Flr. Lobby		
A5.09	Plan Details	Interior Elevations - Third Flr. Lobby & Entry Vestibule		
A5.10	Plan Details	Interior Elevations - Gymnasium & Gymnasium Vestibule		
A5.11	Window, Storefront and Louver & Details	Interior Elevations - Gymnasium		
A5.12	Window, Details			
A6.01	Roof Details			
A6.02	Roof Details			
A6.03	Enlarged Toilet Plans & Elevations			
A6.04	Enlarged Stair Plans			
A6.05	Enlarged Stair Plans			
A7.01	Elevator Details			
A7.02	Interior Elevations - Classrooms			
A7.03	Interior Elevations - Classrooms, Art Rm., OT/PT.			
A7.04	Interior Elevations - Music Practice Rm.			
A7.05	Interior Elevations - Media Center			
A7.06	Interior Elevations - Media Center			
A7.07	Interior Elevations - First Flr. Corridor			
A7.08	Interior Elevations - Second Flr. Corridor			
A7.09	Interior Elevations - Third Flr. Corridor			
A7.10	Interior Elevations - 1, 2, Flr. Lobby			
A7.11	Interior Elevations - Third Flr. Lobby & Entry Vestibule			
A7.12	Interior Elevations - Gymnasium & Gymnasium Vestibule			
A8.01	Signage			
A8.02	Millwork			
A8.03	Interior Details			
A8.04	Interior Details			
A8.05	Interior Details			
A9.01	First Floor - Room and Floor Finish Plan			
A9.02	Second Floor - Room and Floor Finish Plan			
A9.03	Third Floor - Room and Floor Finish Plan			
A9.04	Gymnasium Marking			
A10.01	Ceiling Details			
A11.01	Door & View Window Schedule			
A11.02	Door, View Window, Frames Type & Details			
EQ-1.01	First Floor Equipment Plan			
EQ-1.02	Second Floor Equipment Plan			
EQ-1.03	Third Floor Equipment Plan			
EQ-1.04	Casework, Elevations & Details			
EQ-2.02	Casework, Elevations & Details			
FS-1	Food Service Equipment Plan, Schedule and Details			
FS-2	Food Service Equipment, Roughing-in and Details			
S0.1	General Notes and Typical Details			
S0.2	Typical Details			
S0.3	Typical Details			
S0.4	Typical Details			
S0.5	Typical Details			
S1.1	Foundation Plan			
S1.2	Second Floor Framing Plan			
S1.3	Third Floor Framing Plan			
S1.4	Roof Framing Plan			
S2.1	Concrete Sections			
S2.2	Concrete Sections			
S3.1	Sections			
S3.2	Sections			
S3.3	Sections			
S3.4	Sections			
S4.1	Braced Frame Details			
S4.2	Braced Frame Elevations			
FP0.00	Fire Protection - Legend, Schedules and Details			
FP1.01	Fire Protection - First Floor Plan			
FP1.02	Fire Protection - Second Floor Plan			
FP1.03	Fire Protection - Third Floor Plan			
P0.00	Legend, Details & Schedule - Plumbing			
P1.00	Underground Plan - Plumbing			
P1.01	First Floor Plan - Plumbing			
P1.02	Second Floor Plan - Plumbing			
P1.03	Third Floor Plan - Plumbing			
M1.00	HVAC Legend			
M1.01	First Floor Plan - HVAC			
M1.01b	First Floor Plan - HVAC Piping			
M1.02	Second Floor Plan - HVAC			
M1.03	Third Floor Plan - HVAC			
M1.04	Roof Plan - HVAC			
M2.01	HVAC Detail Sheet No. 1			
M2.02	HVAC Detail Sheet No. 2			
M3.01	HVAC Schedule Sheet			

87
 RECEIVED
 APR 15 2003
 Engineering Dept.
 176.034

GENERAL NOTES

1. TOPOGRAPHIC DATA, PROPERTY LINES, AND EXISTING UTILITIES SHOWN ON THIS PLAN WERE OBTAINED FROM A PLAN ENTITLED "EXISTING CONDITIONS SURVEY - PLYMPTON SCHOOL, DRAKE PLAYGROUND - WALTHAM, MASSACHUSETTS", PREPARED BY WELSH ASSOCIATES LAND SURVEYORS, INC., DATED AUGUST 9, 2000.
2. FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NO. 20022Z 0000D. THE SITE IS IN ZONE B.
3. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY UTILITY CONNECTIONS OR CROSSINGS OF PROPOSED UTILITIES AND EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JUDITH NITSCHE ENGINEERING, INC.
4. THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 40, AS AMENDED, WHICH REQUIRES THE CONTRACTOR TO TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WALTHAM PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JUDITH NITSCHE ENGINEERING, INC.
5. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE CITY OF WALTHAM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WALTHAM PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JUDITH NITSCHE ENGINEERING, INC.
6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
7. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS FROM DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WALTHAM PRIOR TO THE COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO JUDITH NITSCHE ENGINEERING, INC.
8. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE CLEARANCE WORK.
9. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, GRANITE CURBING, GEMENT AND OTHER FEATURES WHICH ARE NOT REQUIRED FOR THE CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THE DRAWINGS OR NOT REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHENEVER SPECIFIED ON THE DRAWINGS OR NOT.
10. FOR SITE LAYOUT, GRADING, MATERIALS, PLANTINGS, GROUND COVER, EROSION CONTROL, AND DETAILS SEE LANDSCAPE ARCHITECT'S DRAWINGS.
11. FOR STRUCTURAL DETAILS AND INFORMATION SEE STRUCTURAL DRAWINGS.
12. ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE CITY OF WALTHAM.
13. ELEVATIONS REFER TO N.A.S.D. 1988.
14. GAS, TELEPHONE AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC AND PLUMBING CONSULTANTS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND DESIGN OF NEW UTILITIES WITH EXISTING UTILITIES, CABLE TELEVISION AND TELECOMMUNICATION UTILITIES.
15. INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET OF COVER.
16. MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINES. EXPOSE BOTH UTILITIES WITH SEPARATION AND 18" OF VERTICAL SEPARATION CANNOT BE MAINTAINED, WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION OR EXISTING WATER LINE TO REMAIN, BOTH UTILITIES SHALL BE ENCASED IN CONCRETE.
17. UTILITY STRUCTURES TO BE ABANDONED SHALL BE REMOVED TO A DEPTH OF NO LESS THAN 3 FEET BELOW FINISHED GRADE. THE BOTTOMS OF THE STRUCTURES SHALL BE BROKEN AND THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED.
18. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED OR REMOVED & DISPOSED.
19. ALL SEWER PIPE TO BE SDR-35 AND COLOR GREEN.
20. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR THE GAS LINE INSTALLATION.
21. SEE SITE PREPARATION PLAN SP-1 FOR LAYOUT AND DETAILS OF EROSION CONTROL MEASURES.
22. FOR FLOOD PLAIN LIMITS AND ELEVATIONS SEE LETTER REPORT ENTITLED "RESOURCE AREA DETERMINATION, WALTHAM MASSACHUSETTS, DRAKE SITE" DATED FEBRUARY 21, 2000 AND PREPARED BY ENSR CONSULTANTS, INC.
23. ALL CATCH BASINS AND MANHOLES TO REMAIN WITHIN THE LIMIT OF WORK SHALL BE ADJUSTED TO GRADE.
24. WATER METER SIZE IS 2-INCH BASED ON A CALCULATED DOMESTIC WATER PEAK DEMAND OF 160 GALLONS PER MINUTE. SEE PLUMBING PLANS.
25. SEWER MANHOLE 301 SHALL BE FURNISHED WITH BACKFLOW PREVENTERS ON THE INLET PIPES FROM THE SCHOOL BUILDING AND GREASE TRAP.



LEGEND & ABBREVIATIONS

○	PROPOSED DRAIN MANHOLE
●	PROPOSED HYDRANT
○	PROPOSED CLEANOUT
○	PROPOSED WATER LINE
○	PROPOSED DRAIN LINE
○	PROPOSED ROOF DRAIN LINE
○	PROPOSED SEWER LINE
○	PROPOSED TELEPHONE LINE
○	PROPOSED ELECTRIC LINE
○	PROPOSED GAS LINE (BY OTHERS)
---	LINE TO BE ABANDONED

○	PROPOSED CATCH BASIN
○	PROPOSED SEWER MANHOLE
○	PROPOSED IRRIGATION METER PIT
○	ROOF DRAIN
○	SANITARY SEWER
○	UNDER DRAIN
○	REMOVE AND DISPOSE
○	STORMCATCHER
○	COURGATED PLASTIC PIPE
○	OUTLET CONTROL STRUCTURE
○	REINFORCED CONCRETE PIPE

STRUCTURE	RIM	INVERT IN	INVERT OUT
STC 1 (SIZE 1800)	49.40	46.32 (DMH 20)	46.22 (EX DMH)
SMH 300	51.40	45.24 (EXISTING)	45.24 (EXISTING)
SMH 301	53.50	45.2 (SANITARY)	45.2 (SANITARY)
SMH 302	50.10	45.40 (GREASE TRAP)	48.40 (EX SMH)
		43.62 (EXISTING)	43.62 (EXISTING)
		45.62 (SANITARY)	45.62 (SANITARY)

STRUCTURE	RIM	INVERT IN	INVERT OUT
DMH 200	49.35	48.55 (CB'S)	46.45 (STC 1)
DMH 201	50.50	46.55 (DMH 20)	46.55 (DMH 20)
DMH 202	47.25	47.25 (ROOF DRAIN)	47.15 (DMH 200)
DMH 203	54.45	48.20 (ROOF DRAIN)	48.10 (DMH 20)
DMH 204	49.00	45.44 (EXISTING)	45.44 (EXISTING)
DMH 205	51.10	45.85 (CB'S)	45.85 (CB'S)
		46.80 (ROOF DRAIN)	46.50 (EXISTING)
		46.80 (CB'S)	46.80 (CB'S)
		47.40 (CB 254)	47.30 (STREET)
		48.00 (UNDER DRAIN)	48.00 (UNDER DRAIN)

STRUCTURE	RIM	INVERT IN	INVERT OUT
CB 252	48.25	46.75 (DMH 200)	46.75 (DMH 200)
CB 253	52.45	48.25 (DMH 200)	48.25 (DMH 200)
CB 254	52.45	48.40 (UNDER DRAIN)	48.40 (DMH 200)
CB 255	53.00	47.70 (AD 275)	47.60 (DMH 200)
CB 256	48.50	47.70 (ROOF DRAIN)	47.60 (DMH 200)
CB 257	48.50	45.70 (DMH 200)	45.70 (DMH 200)
CB 258	50.00	46.70 (DMH 200)	46.70 (DMH 200)
CB 259	47.80	46.70 (DMH 200)	46.70 (DMH 200)
CB 260	52.25	48.00 (UNDER DRAIN)	47.50 (DMH 200)
CB 261	51.00	48.50 (DMH 200)	48.50 (DMH 200)
AD 275	51.92	51.00 (RD)	50.00 (CB 258)
AD 276	52.10	---	48.90 (CB 254)

SITE UTILITY PLAN

NEW PLYMPTON ELEMENTARY SCHOOL
Farnsworth Street
Waltham, Massachusetts

Proj. Date: 3/5/03
Job Number: 20133
Scale: 1"=20'
Drawn by: WJD
Checked by: DMC
Issue Date: 3/9/03

C1.0
176.034

JUDITH NITSCHE ENGINEERING, INC.
100 CONVENT ST., 10TH FLOOR, WALTHAM, MA 02451
TEL: (617) 251-0000 • FAX: (617) 251-0075

Flansburgh Associates
77 North Washington Street
Boston, Massachusetts 02114
Telephone 617-587-3970
Facsimile 617-720-7873

Architecture
Master Planning
Site Planning
Interior Design

JMP CONSULTING ENGINEERS, INC.
Mechanical, Electrical, Plumbing
and Fire Protection Engineer

CHARLES MCGRATH ASSOCIATES, INC.
Kitchen Consultants

JAMARIS DESIGN ASSOCIATES
Furniture, Equipment and Casework Consultant

EDWARDS
Computer/Technology Consultant

SELLER ASSOCIATES, INC.
Landscape Architect

JUDITH NITSCHE ENGINEERING, INC.
Civil Engineer

MELCH ASSOCIATES, INC.
Land Surveyor

ENGINEERS DESIGN GROUP
Structural Engineer

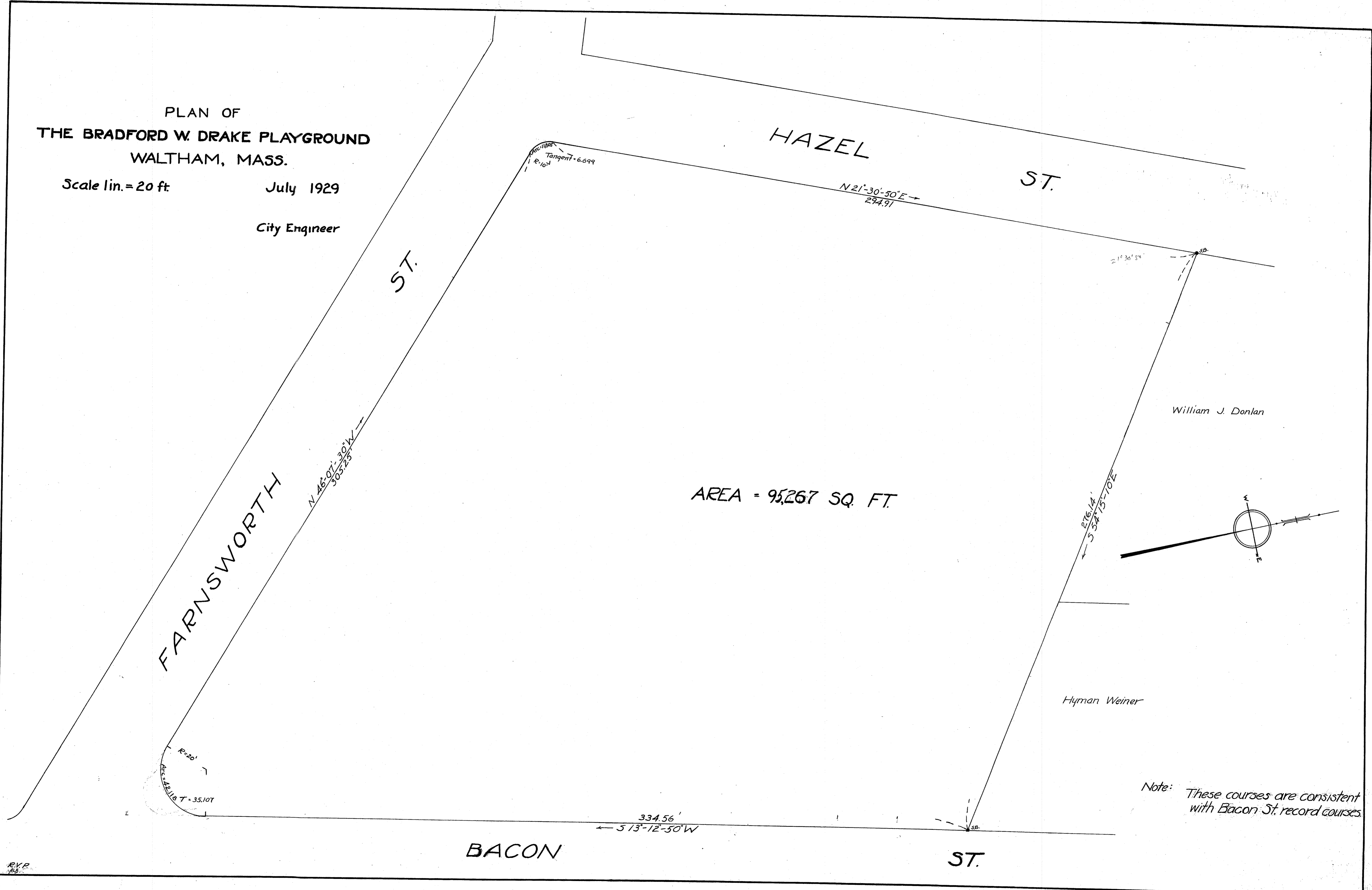
No.	Description of Revision	Date

PLAN OF
THE BRADFORD W. DRAKE PLAYGROUND
WALTHAM, MASS.

Scale 1 in. = 20 ft

July 1929

City Engineer



AREA = 95,267 SQ. FT.

William J. Donlan

Hyman Weiner

Note: These courses are consistent with Bacon St. record courses.

BACON

HAZEL ST.

FARNSWORTH ST.

ST.

R.V.P.

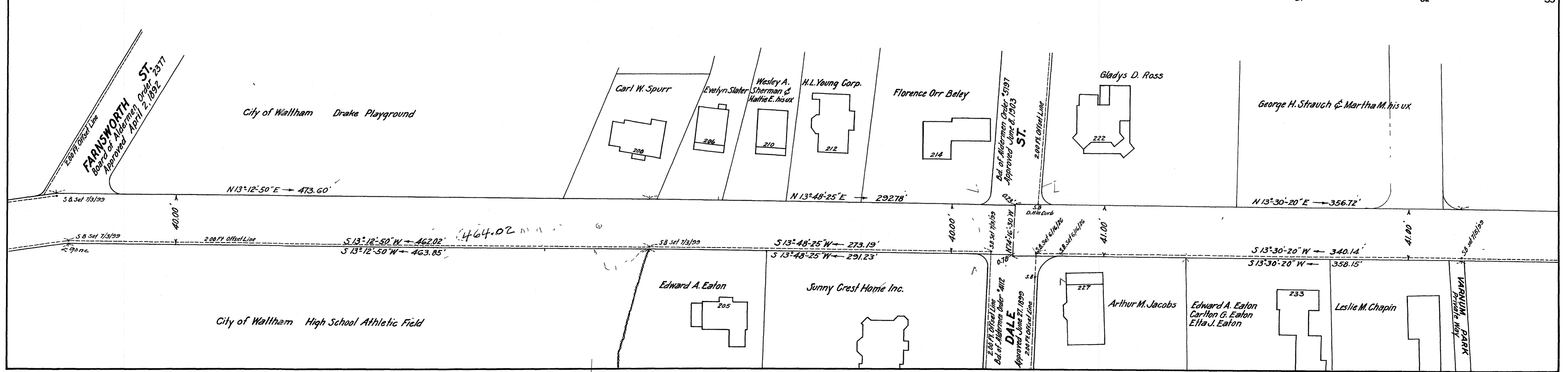
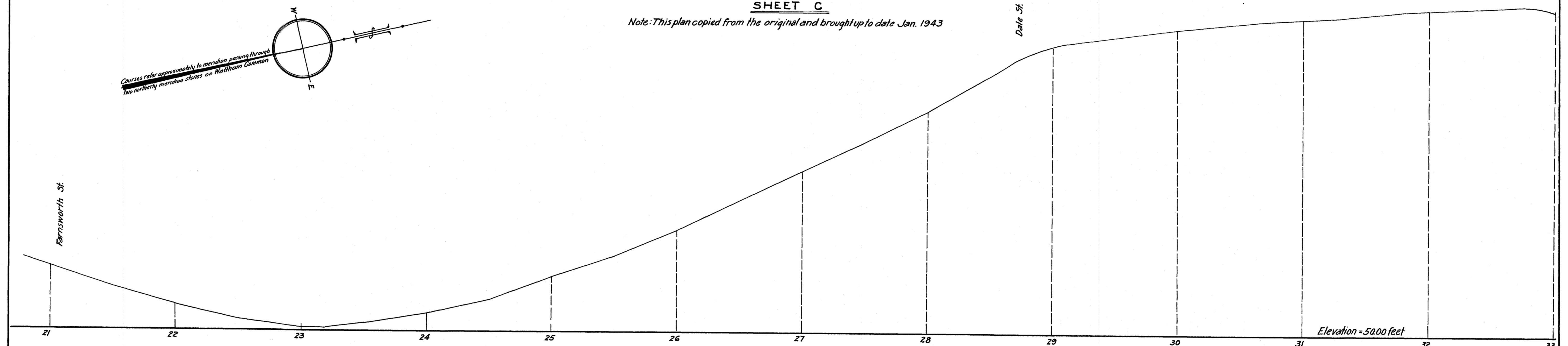
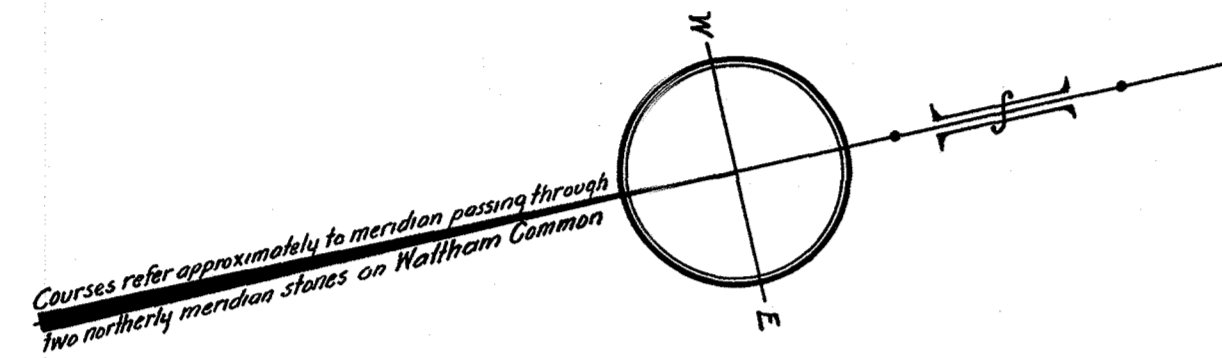
PLAN AND PROFILE OF BACON STREET

Scales: 40 feet Hor. & 4 feet Vert. per inch
WALTHAM, MASS. JUNE 1, 1899

Bertram Brewer City Engineer
Board of Aldermen Order #4176 Approved June 27, 1899

SHEET C

Note: This plan copied from the original and brought up to date Jan. 1943

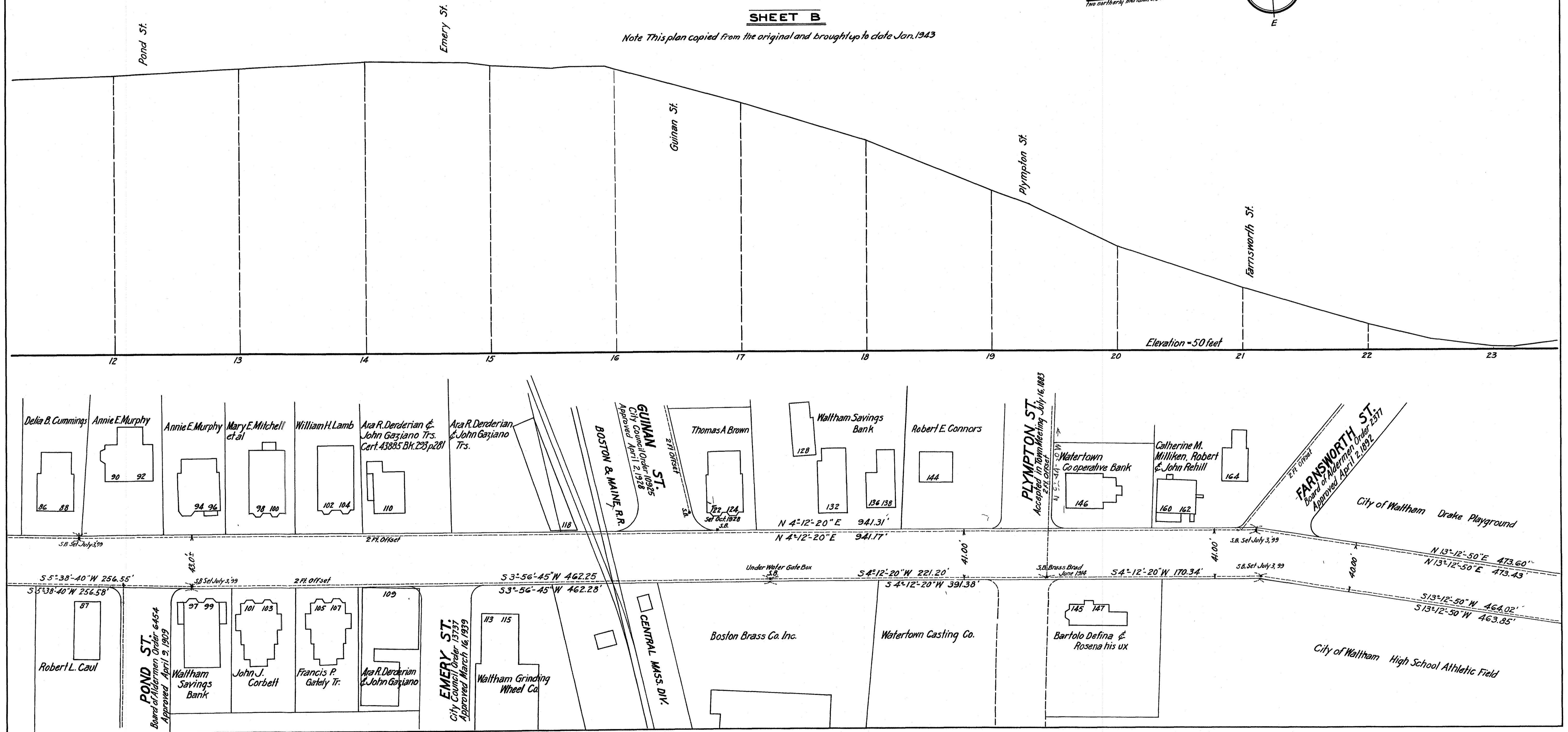
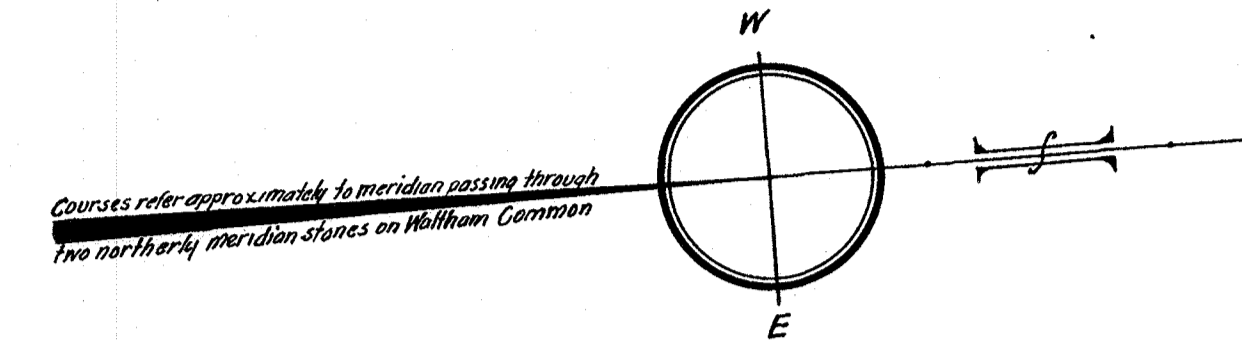


PLAN AND PROFILE
OF
BACON STREET
Scales: 40 feet Hor. & 4 feet Vert. per inch
WALTHAM, MASS. JUNE 1, 1899

Bertram Brewer City Engineer
Board of Aldermen Order #4176 Approved June 27, 1899

SHEET B

Note This plan copied from the original and brought up to date Jan. 1943

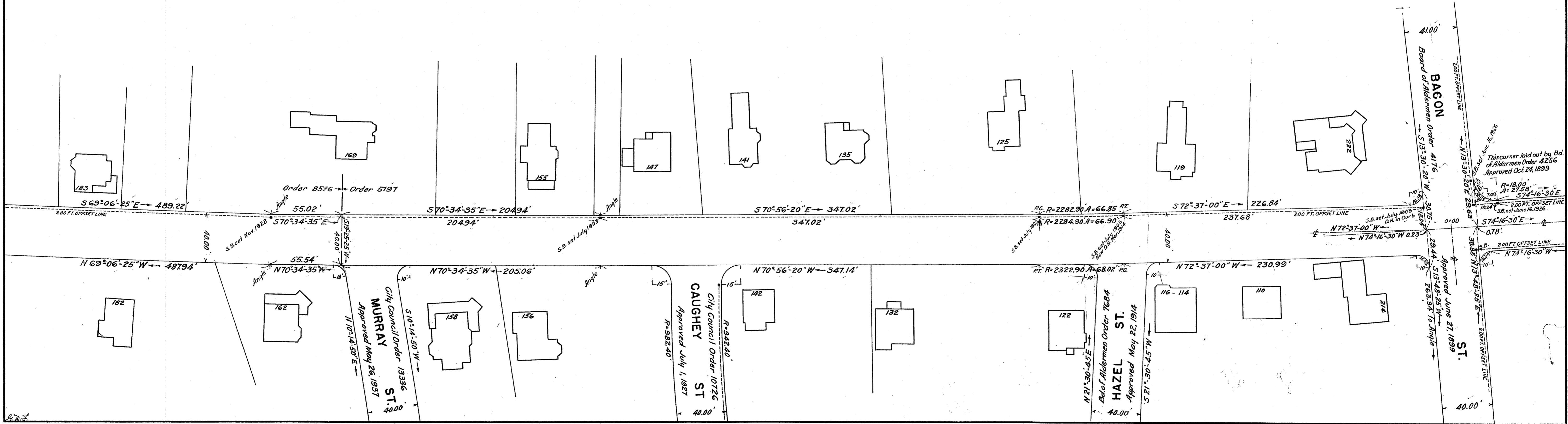
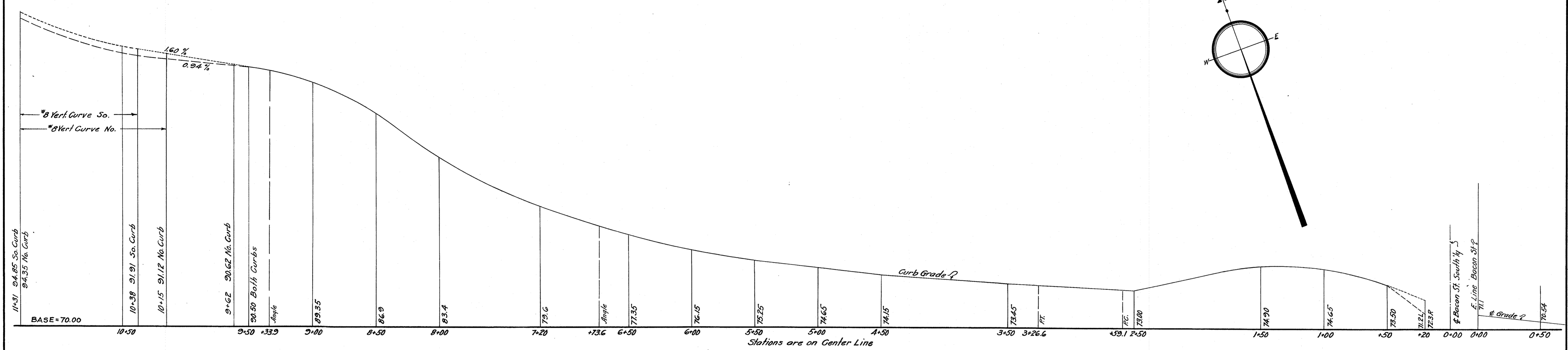
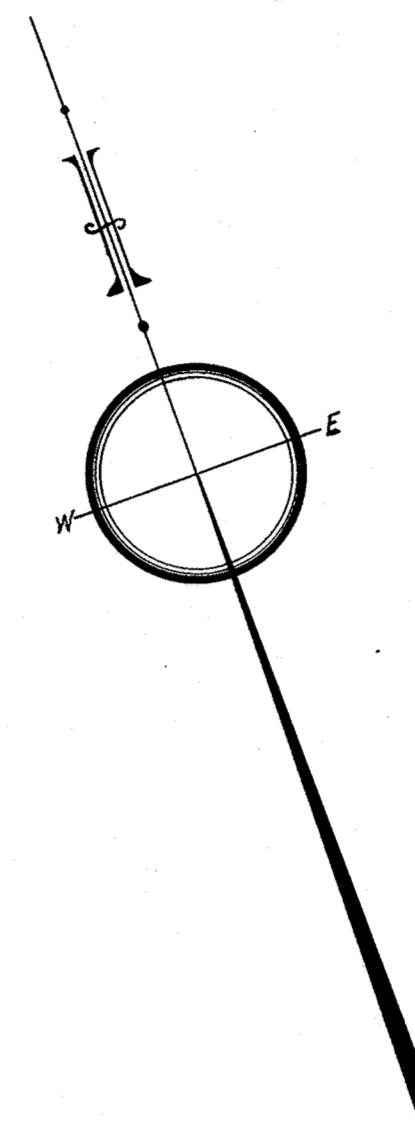


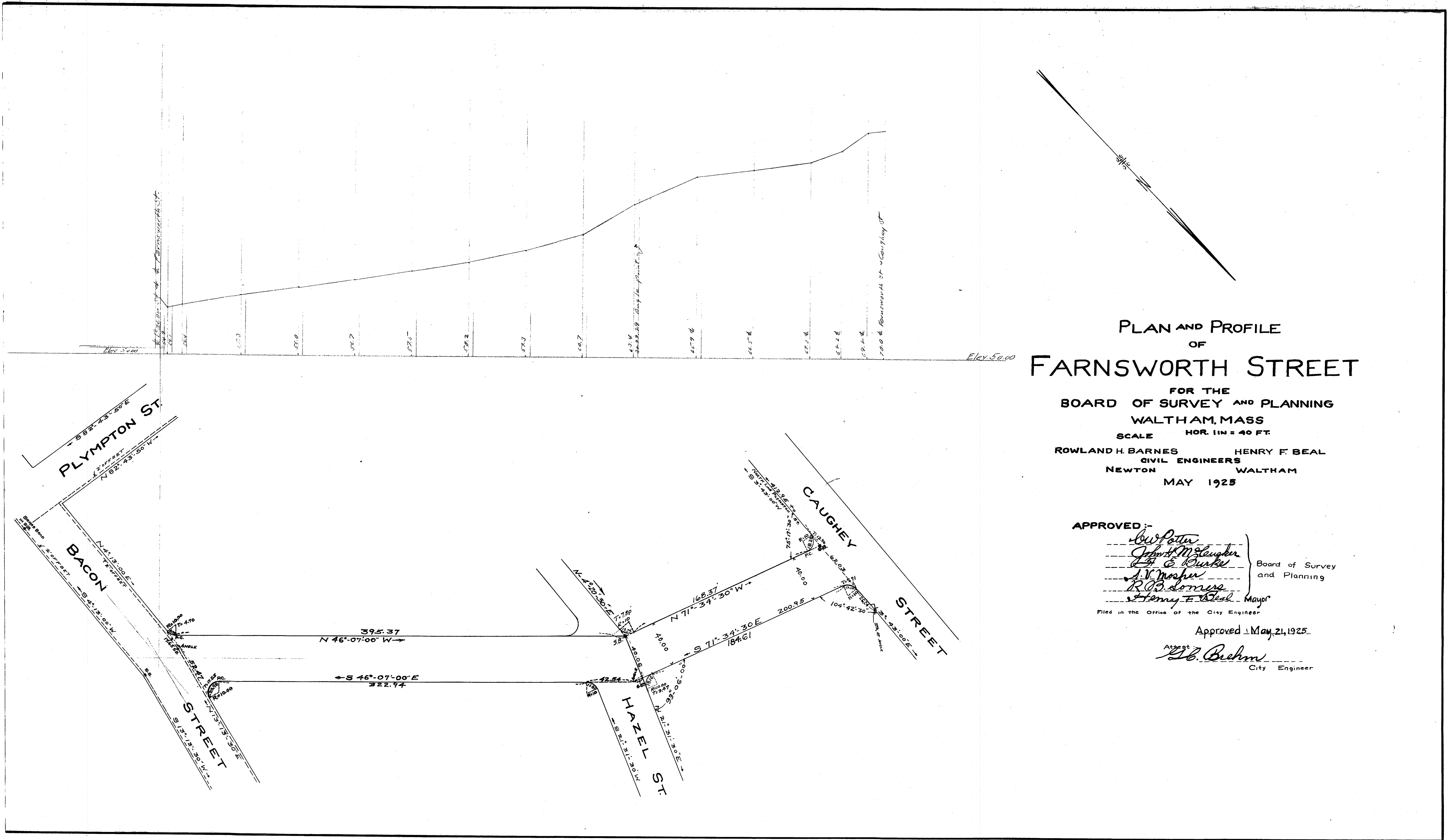
DALE STREET

4 SHEETS

SHEET B

BD. OF ALDERMEN ORDER 5197 APPROVED JUNE 8, 1900
 BD. OF ALDERMEN ORDER 8516 APPROVED DEC. 22, 1916



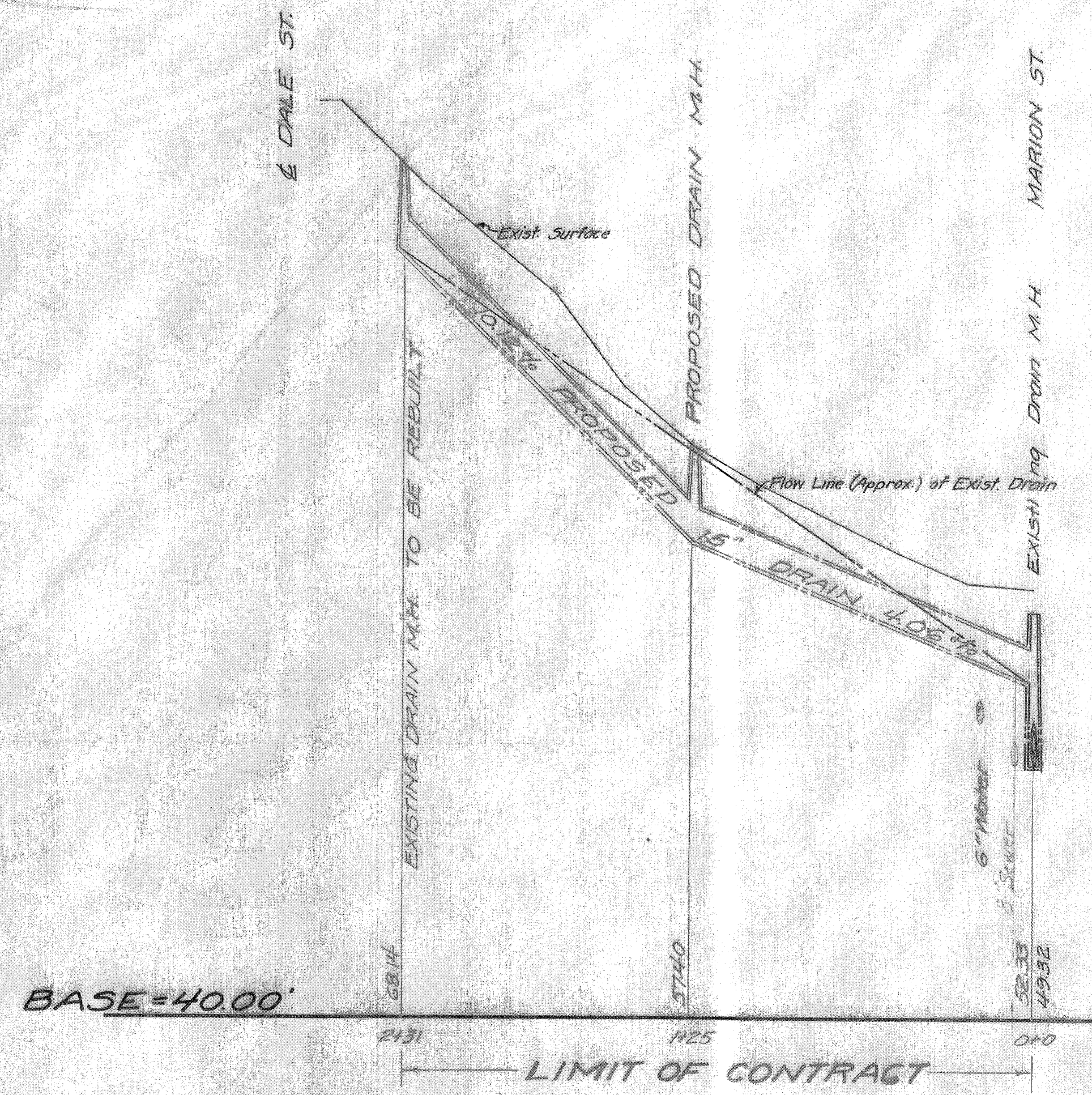


PLAN AND PROFILE
OF
FARNSWORTH STREET

FOR THE
BOARD OF SURVEY AND PLANNING
WALTHAM, MASS
SCALE HOR. 1 IN = 40 FT.
ROWLAND H. BARNES HENRY F. BEAL
CIVIL ENGINEERS
NEWTON WALTHAM
MAY 1925

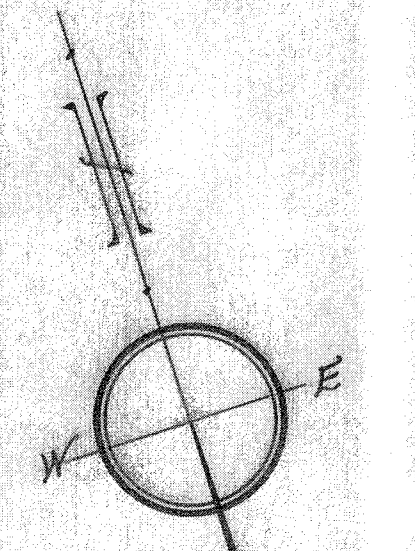
APPROVED:-
Edw. Peter
John M. Laughlin
L. E. Burke
J. V. Mosher
R. B. Dornier
Henry F. Beal Mayor
Board of Survey and Planning

Filed in the Office of the City Engineer
Approved May 21, 1925
Attest:
L. B. Beahm
City Engineer



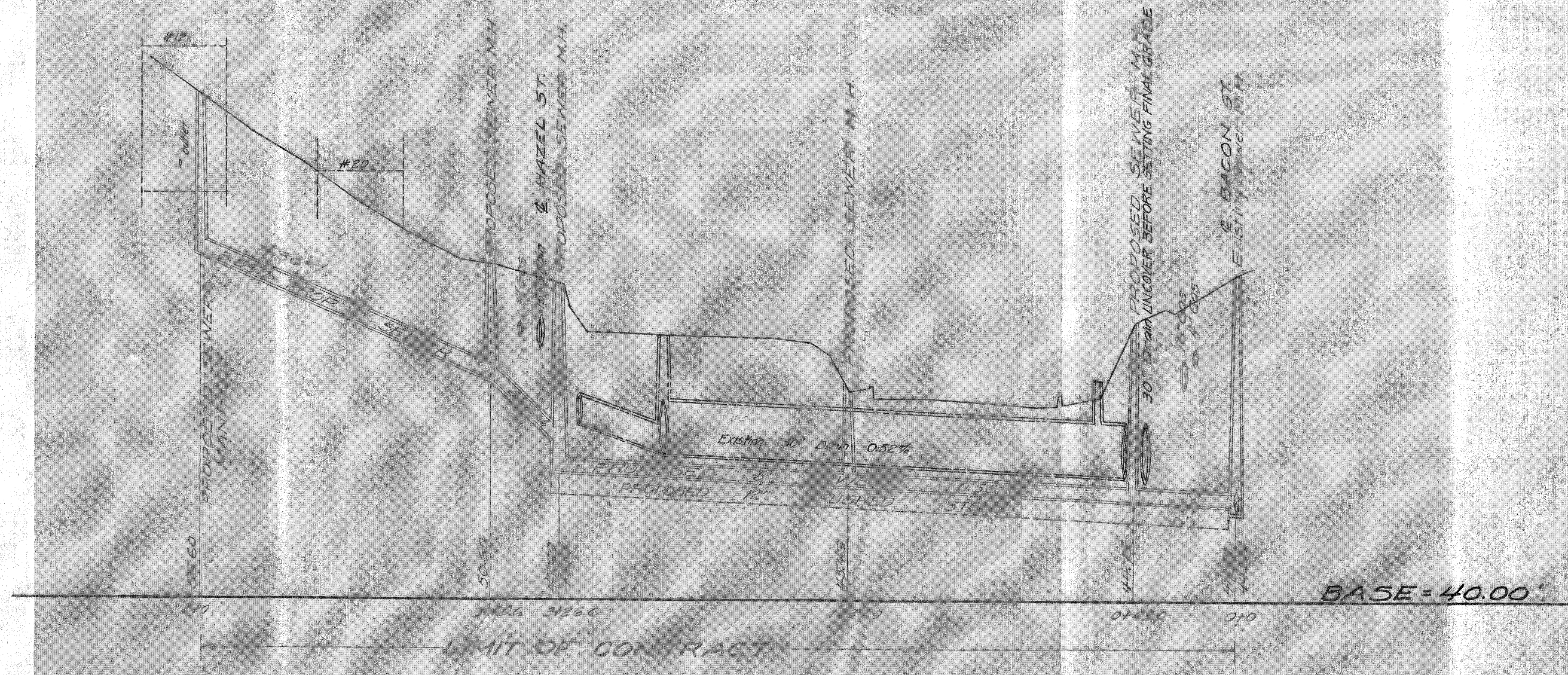
BASE=40.00'

LIMIT OF CONTRACT



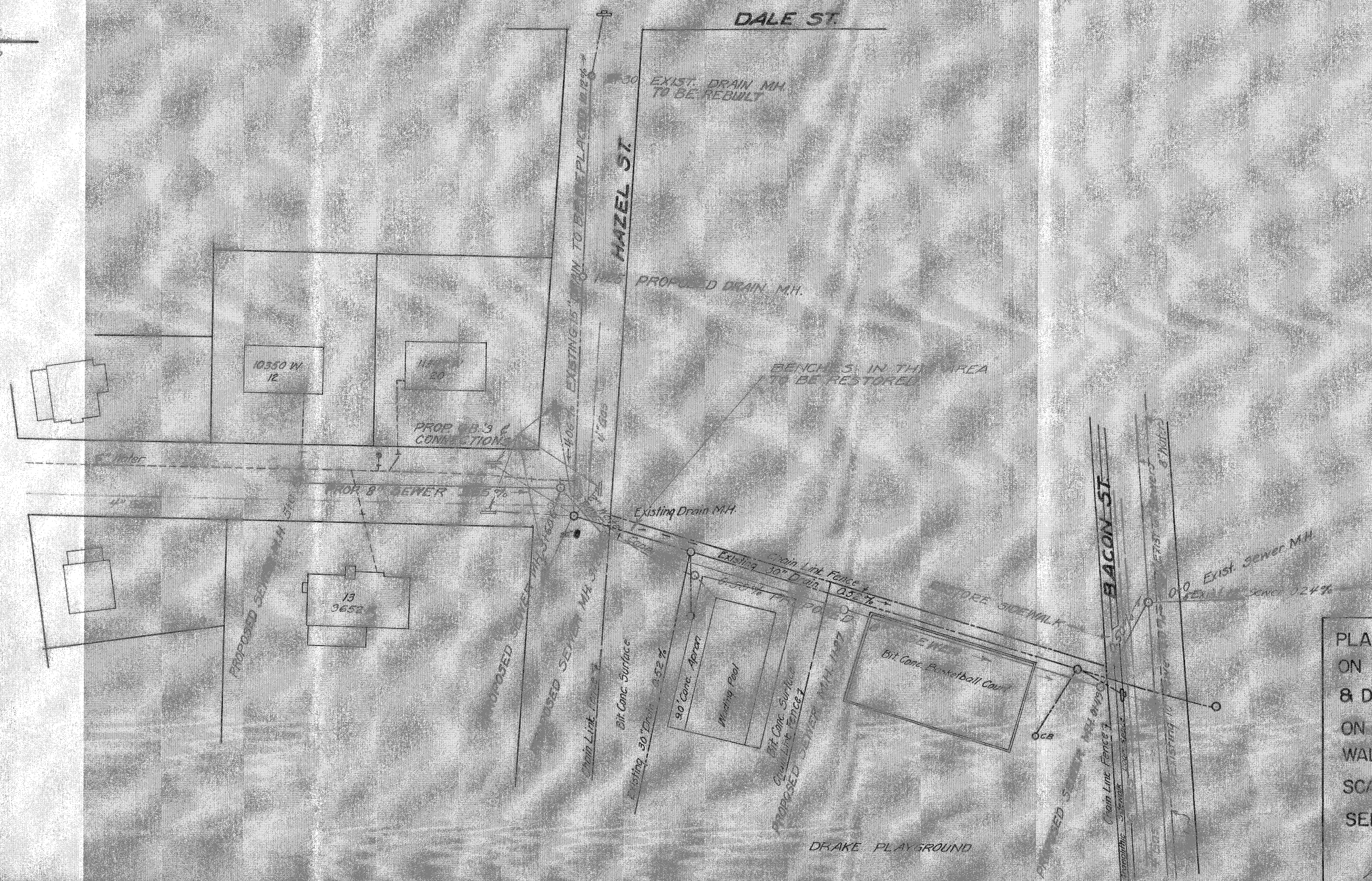
1/2" = 1' VERT.
3/4" = 2' VERT.

NOTES:
 1. SEWER TO BE ASBESTOS CEMENT PIPE CLASS 2400 OR EQUIVALENT PLASTIC PIPE AS APPROVED BY THE ENGINEER.
 2. DRAIN TO BE STANDARD STRENGTH CONCRETE SEWER PIPE ASTM C14-57.
 3. MANHOLES AT STATIONS 0449, 1487 AND 3426.6 TO BE WATERPROOFED.



BASE=40.00'

LIMIT OF CONTRACT



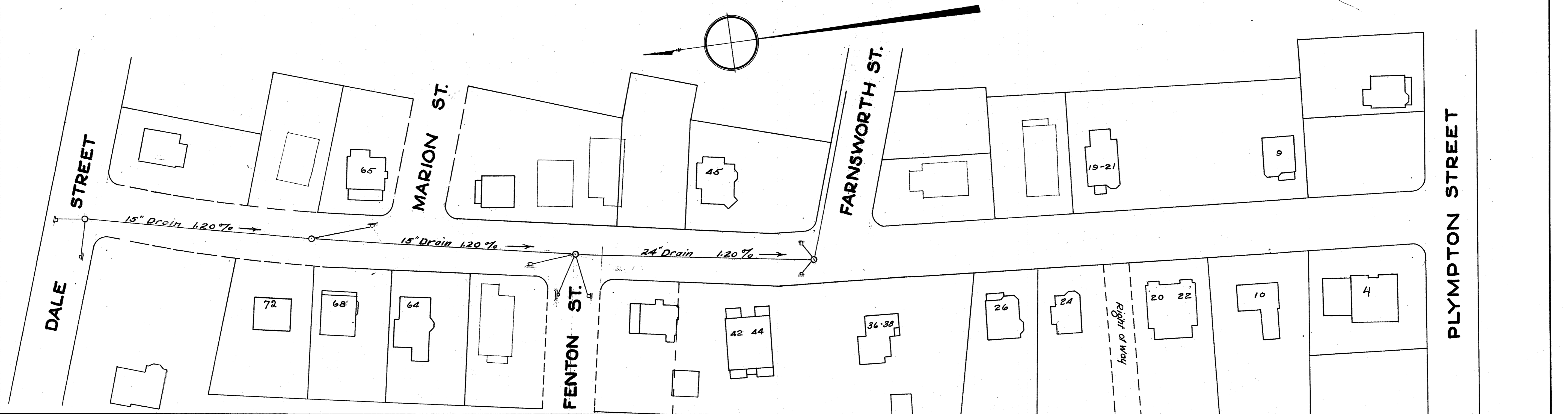
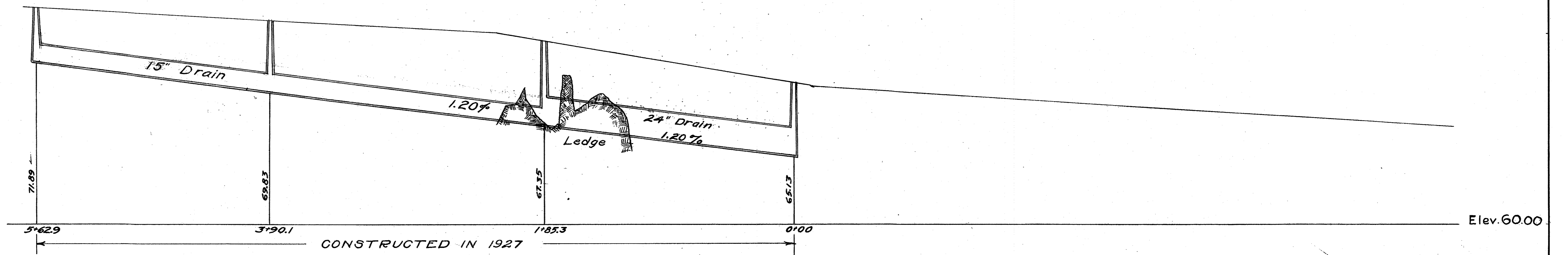
PLAN SHOWING PROPOSED SEWER CONSTRUCTION ON MARION STREET & DRAIN CONSTRUCTION ON HAZEL STREET WALTHAM, MASS.

SCALES: 1 IN. = 40 FT. HOR. & 4 FT. VERT.
 SEPT 1964

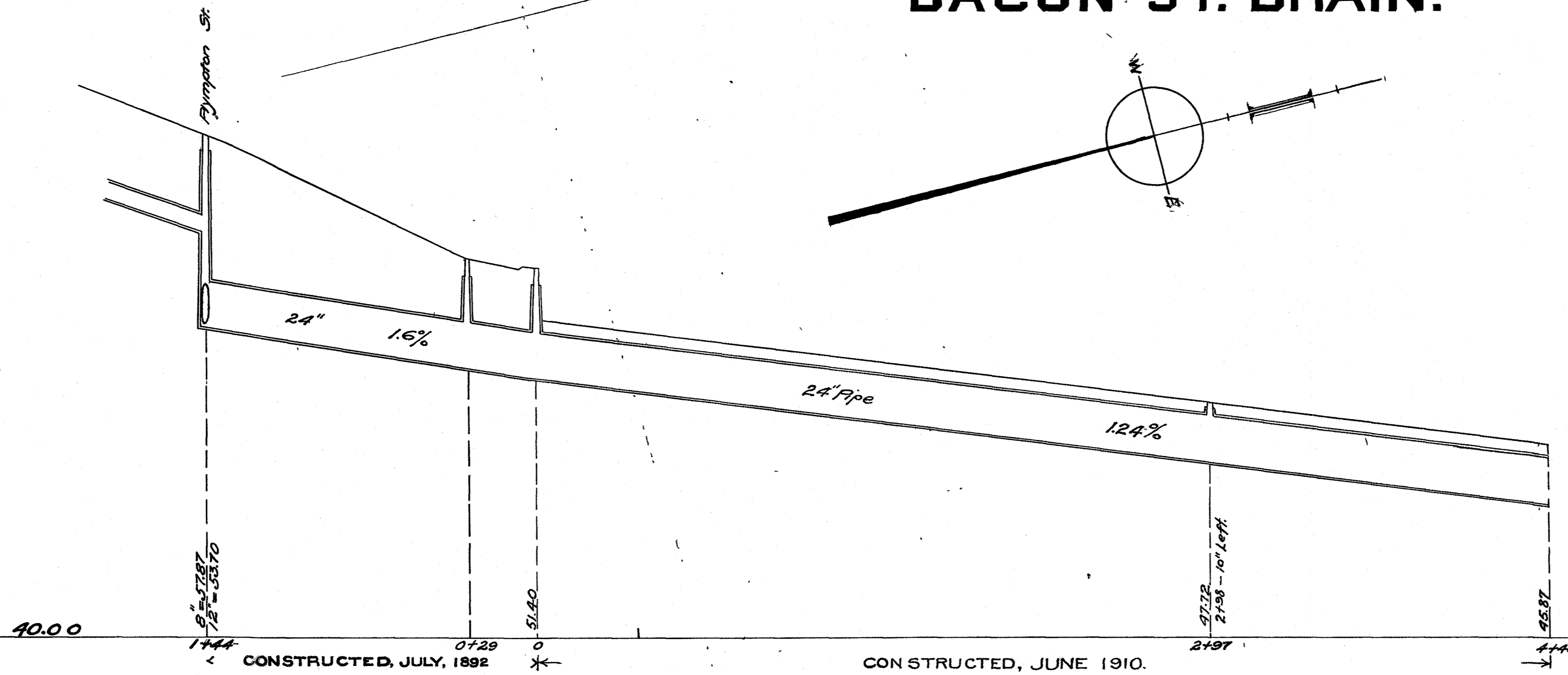
Robert A. Howe CITY ENGINEER

CAUGHEY STREET DRAIN

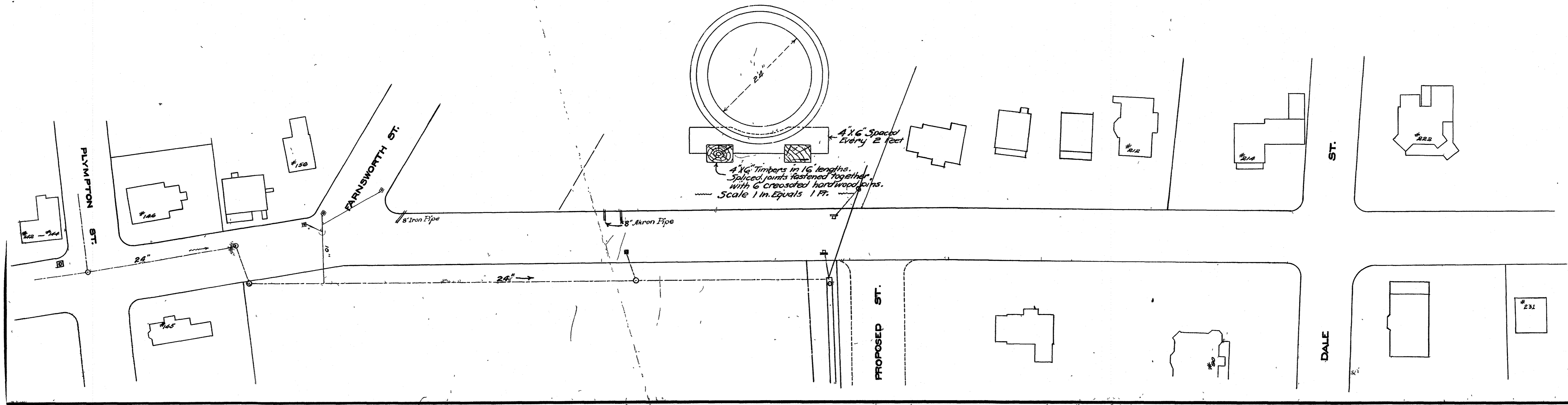
Scale: Hor. 1 in. = 40 ft. Vert. 1 in. = 4 ft.



BACON ST. DRAIN.

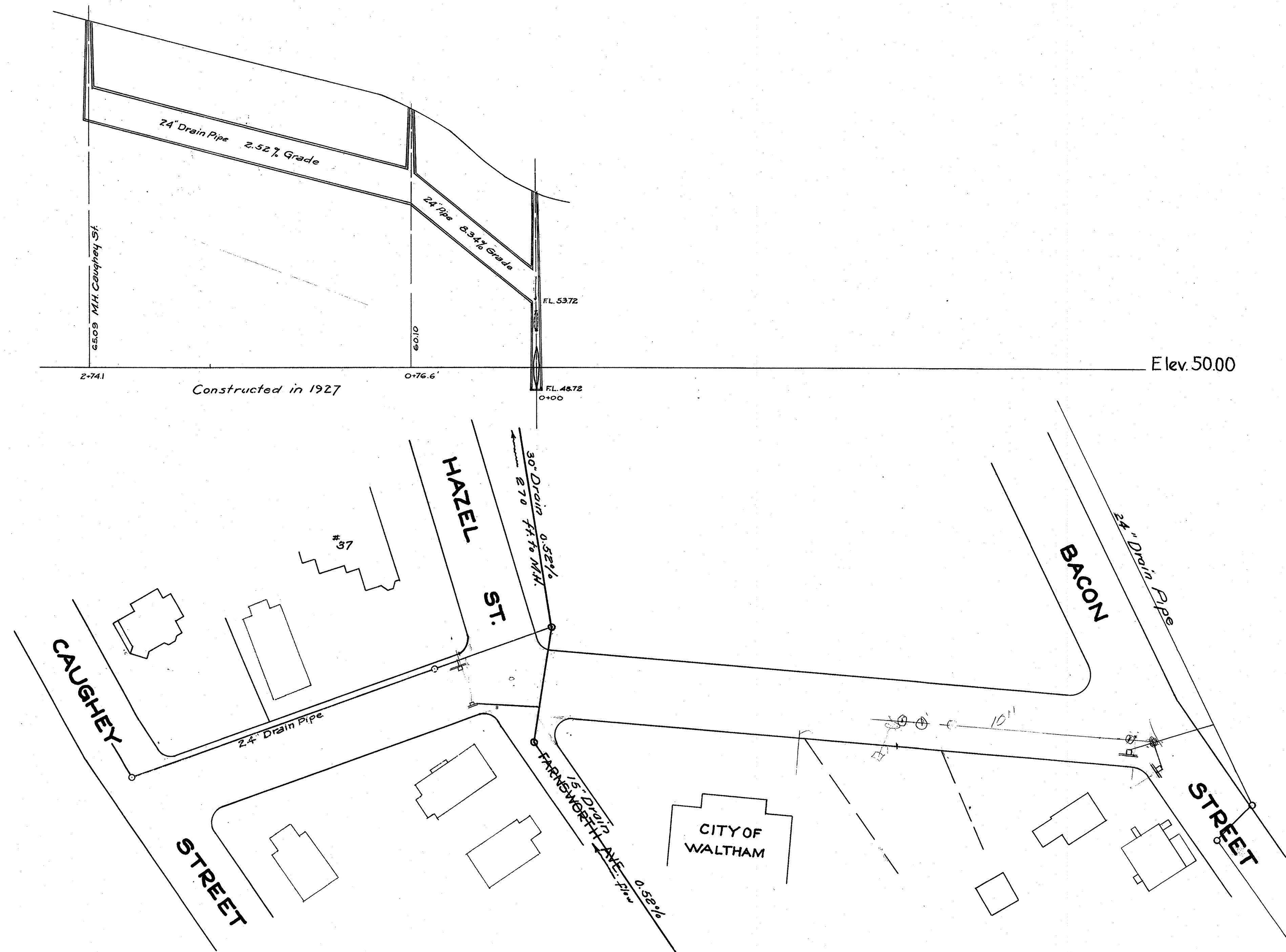
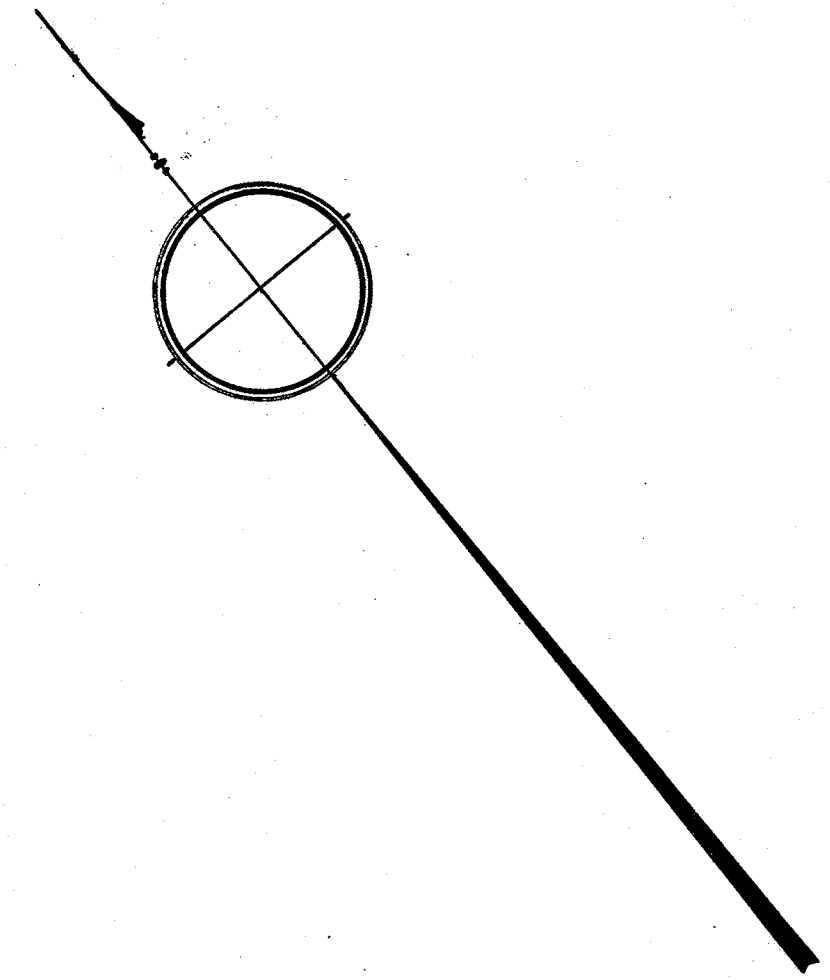


Section showing creosoted timber foundation for 1910 extension.



FARNSWORTH STREET DRAIN

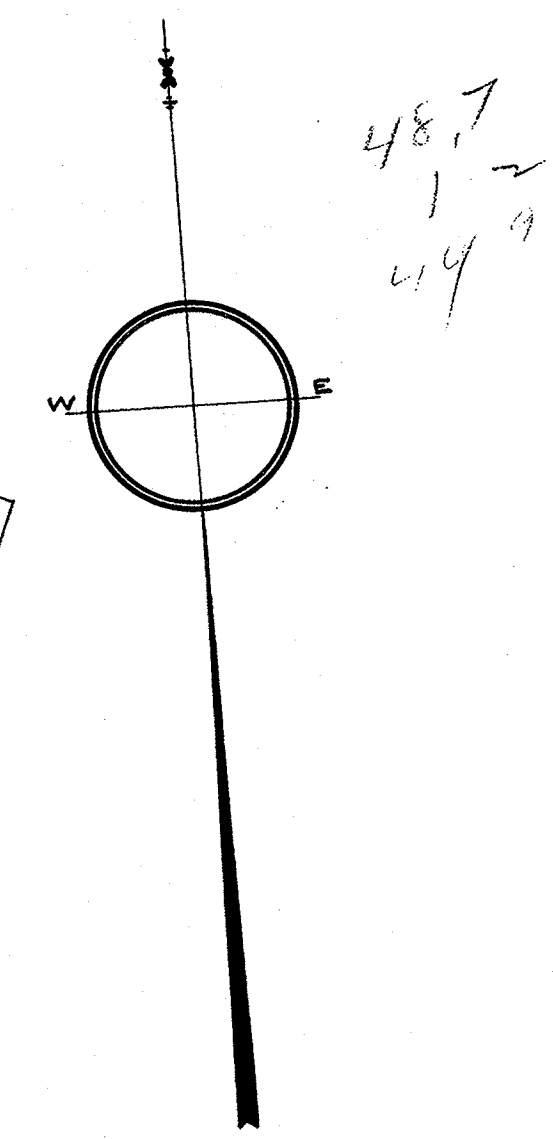
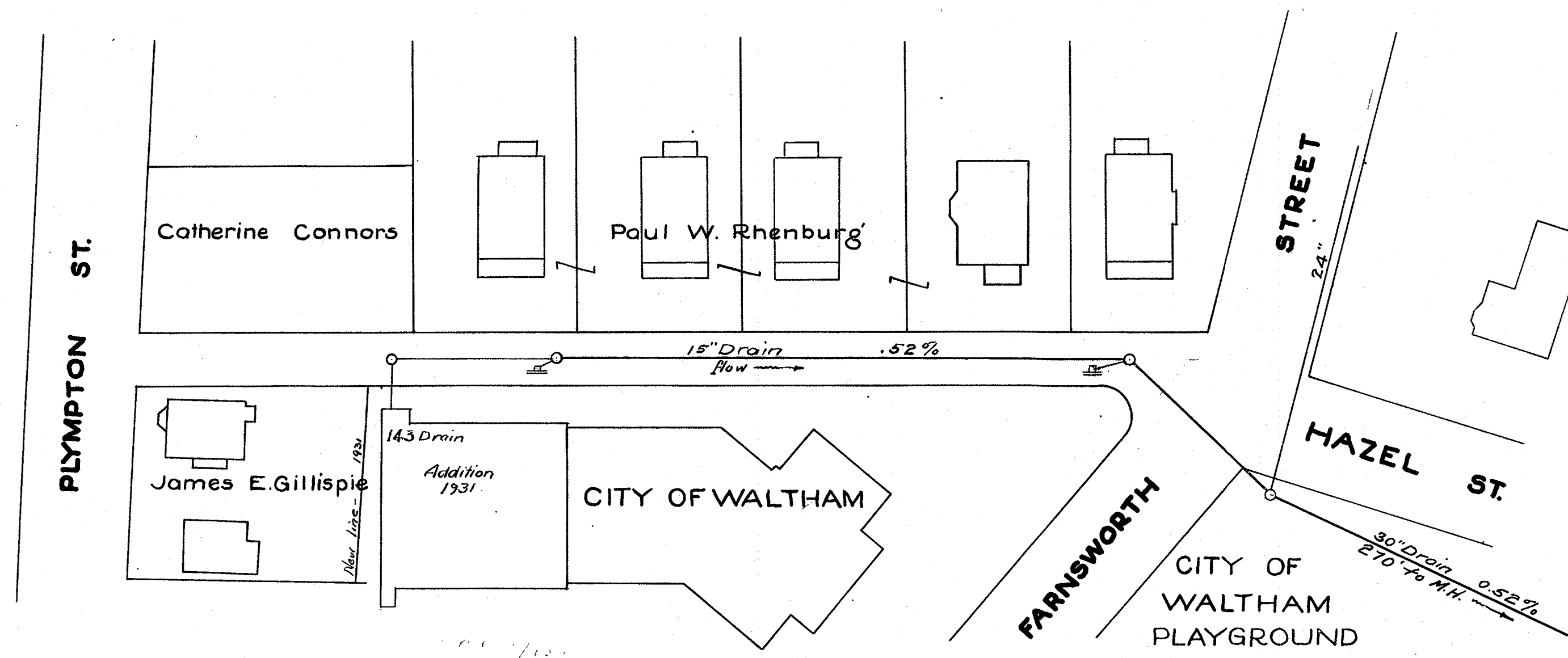
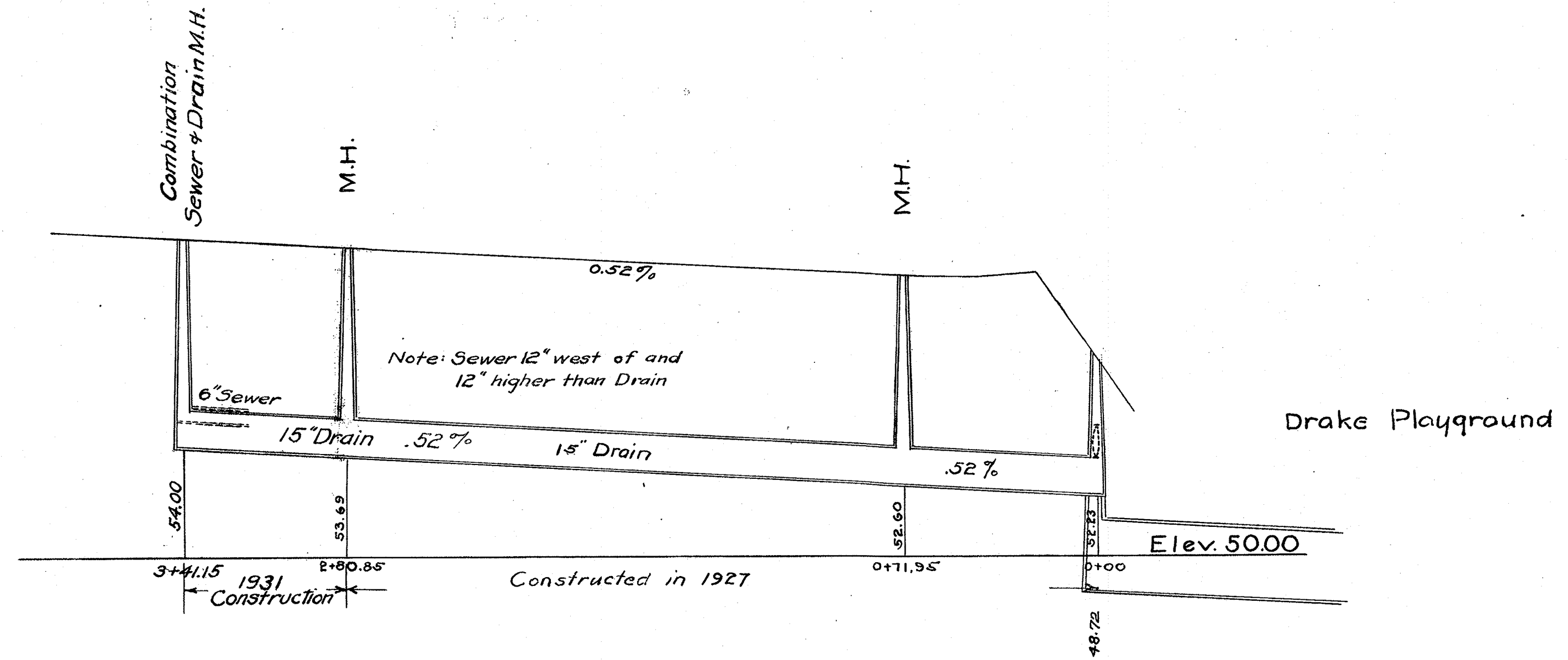
Scale = 1" = 40' Hor. & 4' Vertical



Farnsworth Ave
 Drain
 Plympton St - Hazel St

FARNSWORTH AVE.

Scales 1 in = 40 ft. Hor. & 4 ft. Vertical



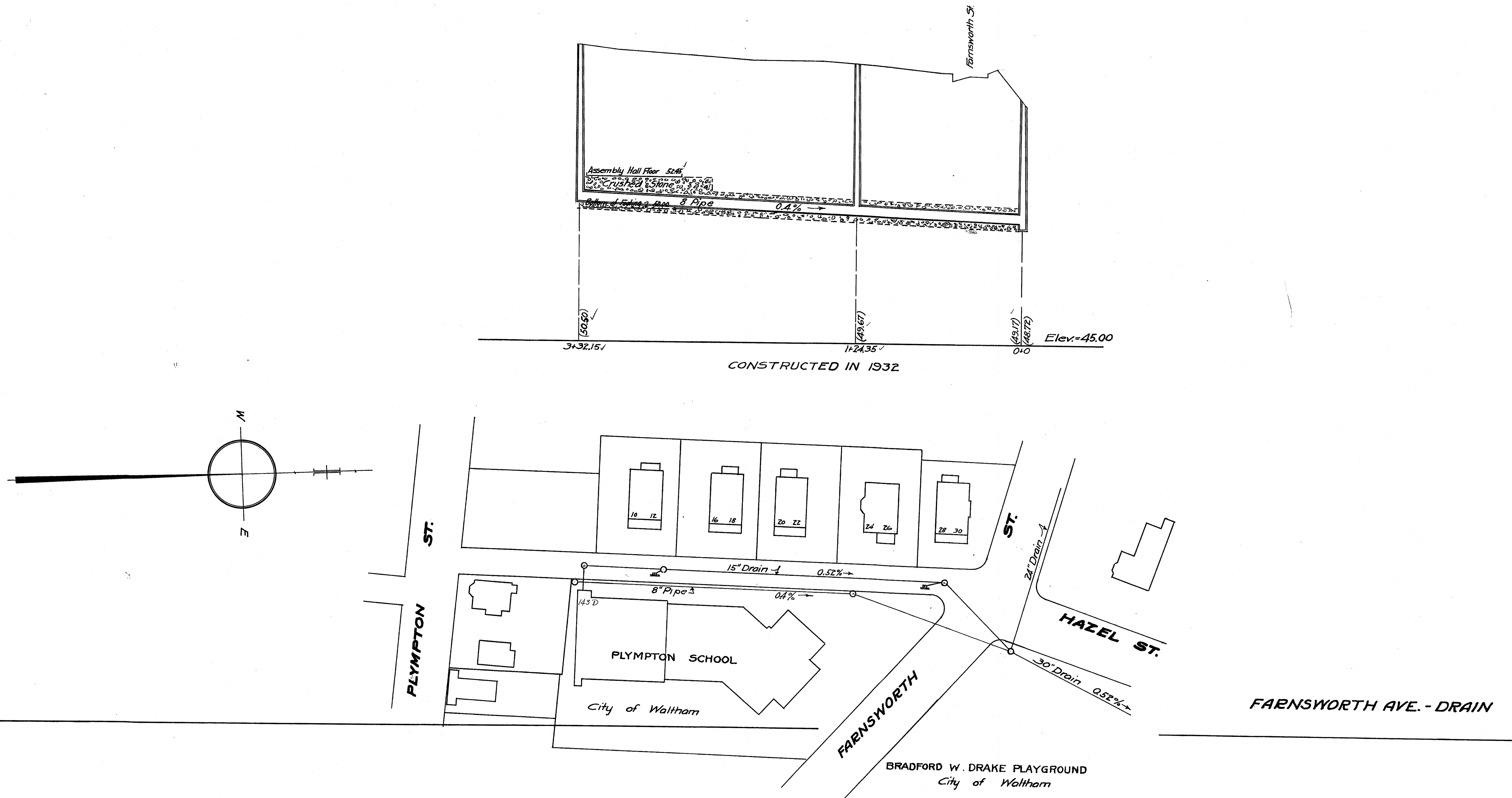
M.C.L.

FARNSWORTH AV

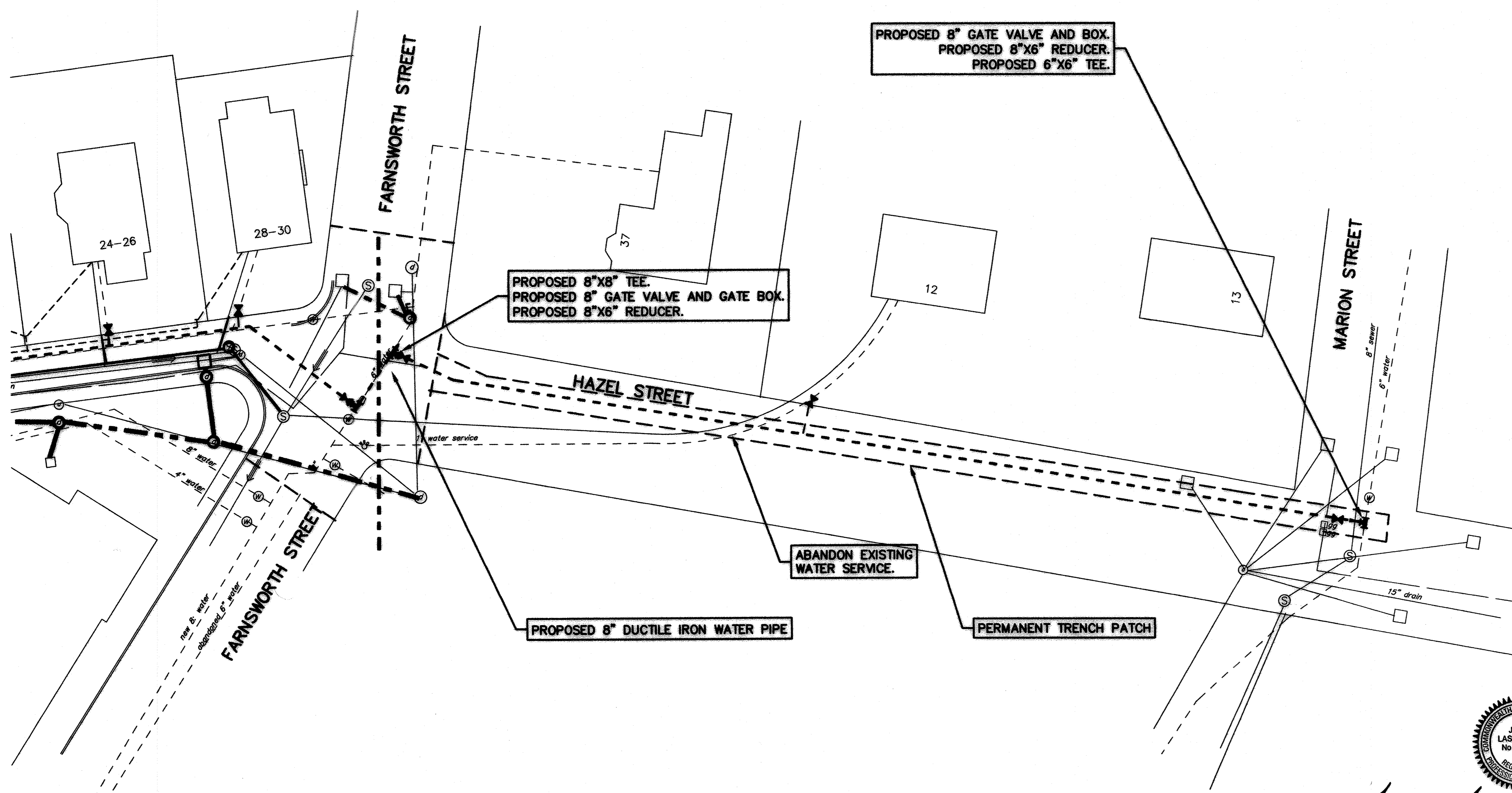
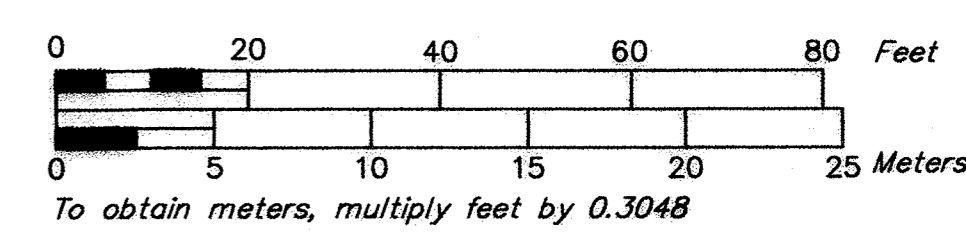
Farnsworth Ave
Drain
Plympton St - Hazel St

FARNSWORTH AVE. DRAIN

Scales: 40 ft. Hor. & 4 ft. Vert. per. inch



W.W.B. EG.



PROPOSED 8" GATE VALVE AND BOX.
PROPOSED 8"x6" REDUCER.
PROPOSED 6"x6" TEE.

PROPOSED 8"x8" TEE.
PROPOSED 8" GATE VALVE AND GATE BOX.
PROPOSED 8"x6" REDUCER.

ABANDON EXISTING
WATER SERVICE.

PROPOSED 8" DUCTILE IRON WATER PIPE

PERMANENT TRENCH PATCH

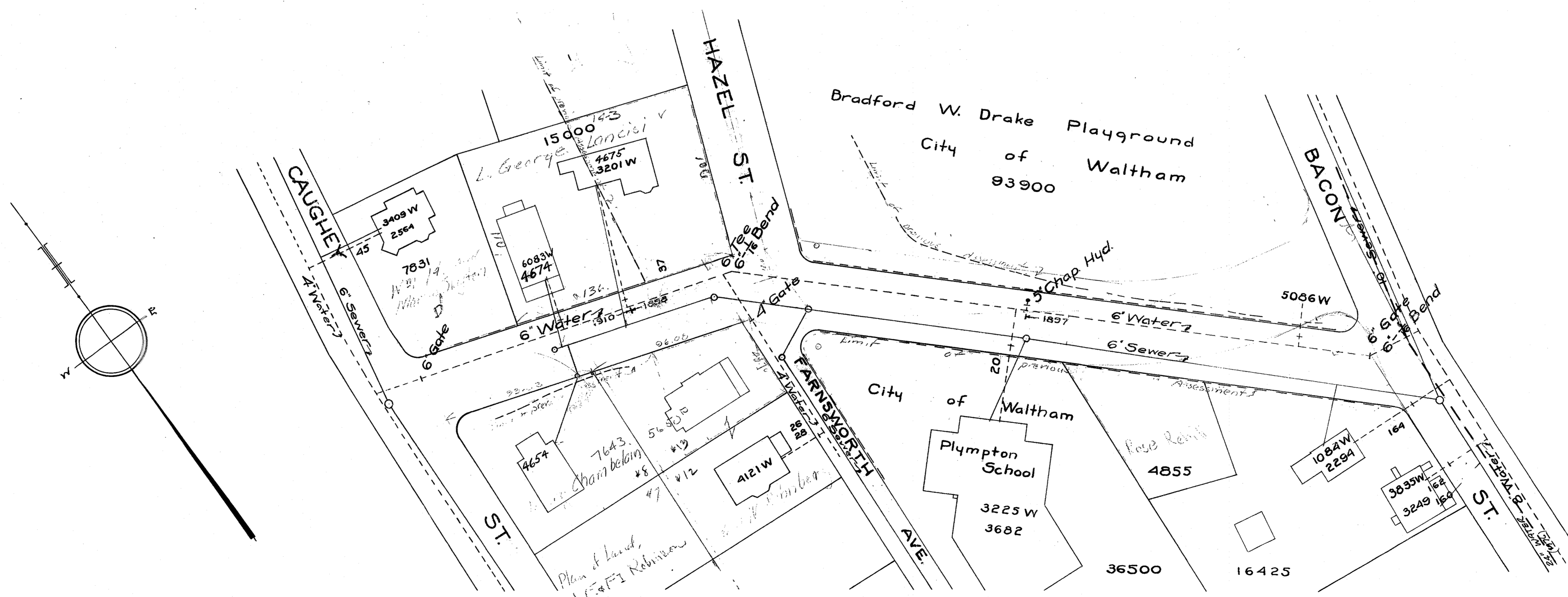
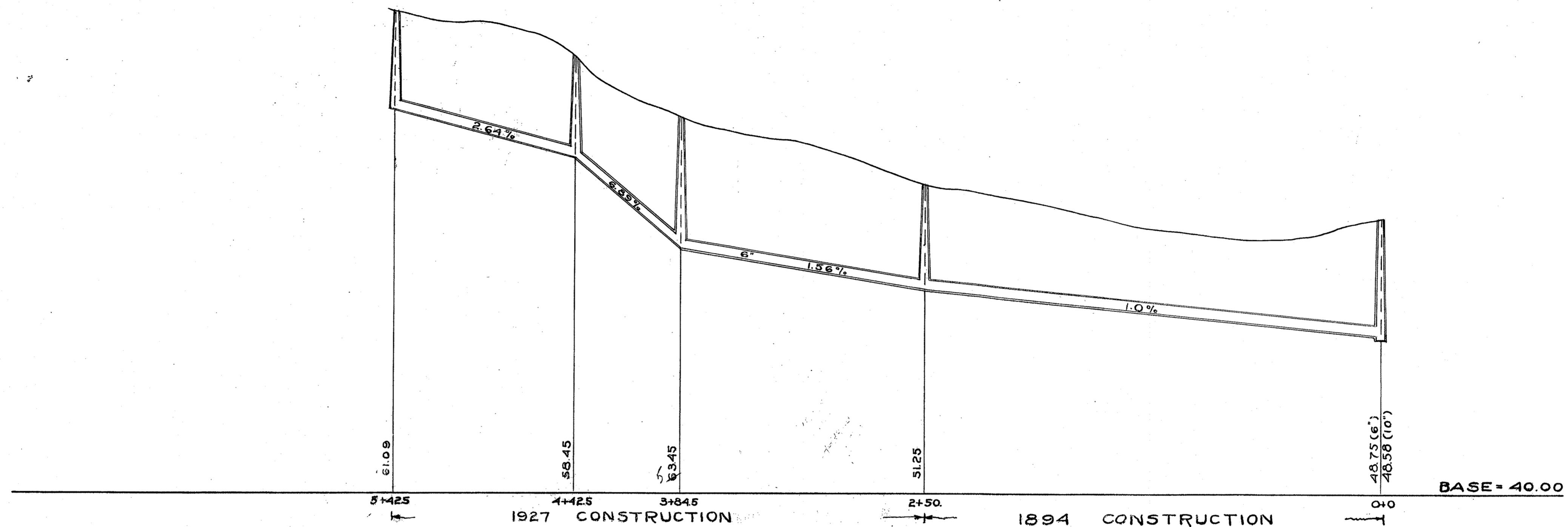


Joan Lastovica
6/22/07

PLAN SHOWING PROPOSED
UTILITY RECONSTRUCTION AND
STREET RESURFACING ON
FARNSWORTH AVENUE
AND
HAZEL STREET
IN
WALTHAM, MASS.
SCALE: 1 INCH = 20 FEET
JUNE, 2007
JOAN LASTOVICA, P. E., CITY ENGINEER

FARNSWORTH ST.

Scales: 40 ft. Hor. and 4 ft. Vert. per in.

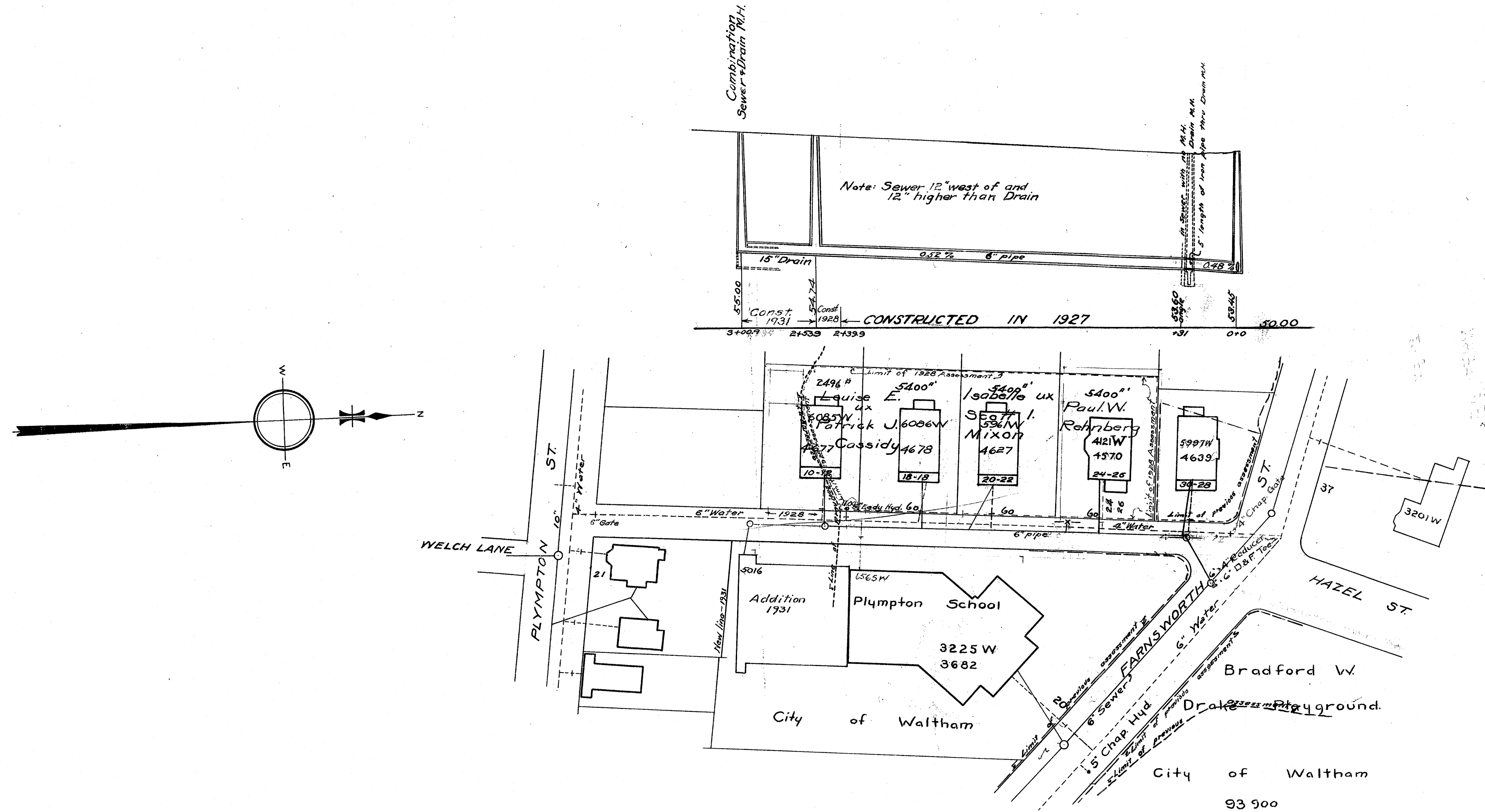


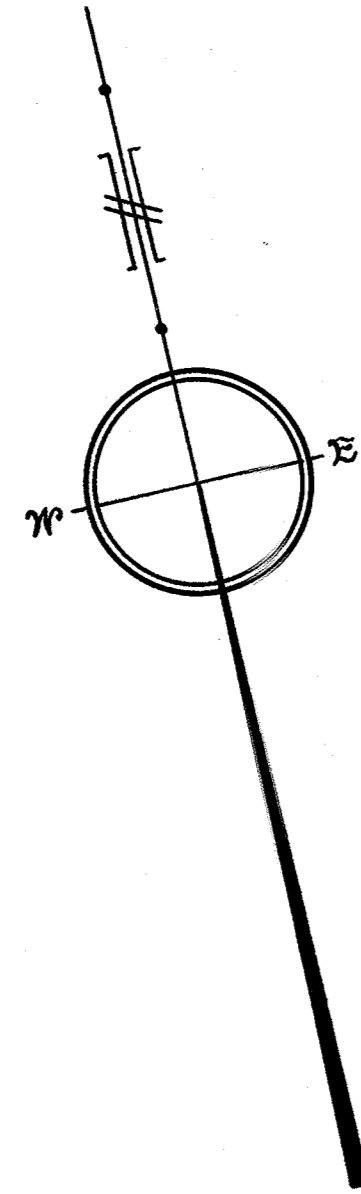
FARNSWORTH AVE.

Scales - Hor. linch = 40 feet. Vert. linch = 4 feet.

TABLE OF ASSESSMENT FOR 1927 CONSTRUCTION

OWNER	No.	FRONTAGE	AREA	ASSESSED ON FRONTAGE	ASSESSED ON AREA	Total
Paul W. Reinberg	24-26	60.00	5400			
Louise ux. Scott I. Mixon	20-22	60.00	5400			
Louise ux. Patrick J. Cassidy	16-18	60.00	5400			
" " " "	10-12	11.00	2436			





MARION STREET

SCALES: 40 FT. HOR. & 4 FT. VERT. PER IN.

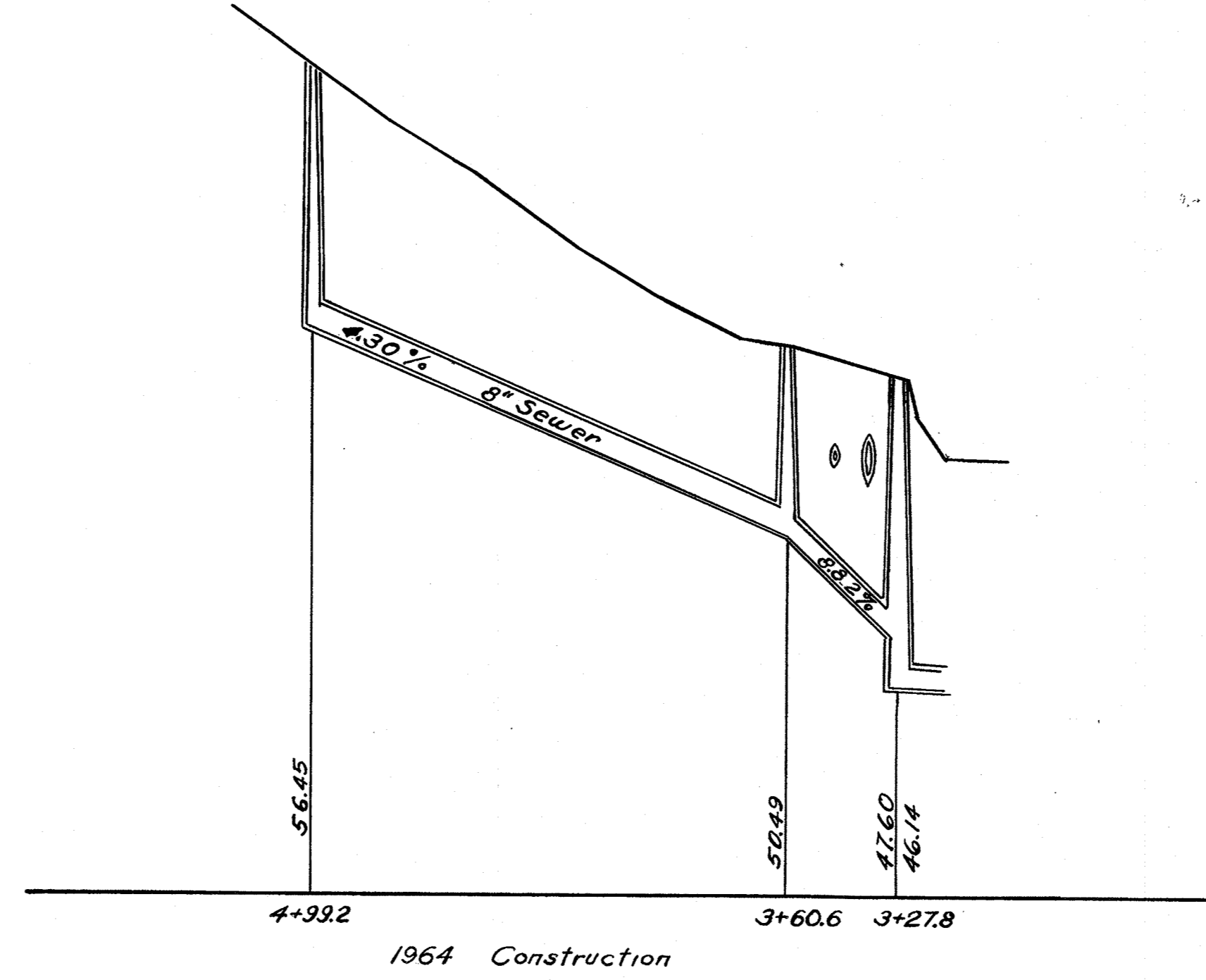
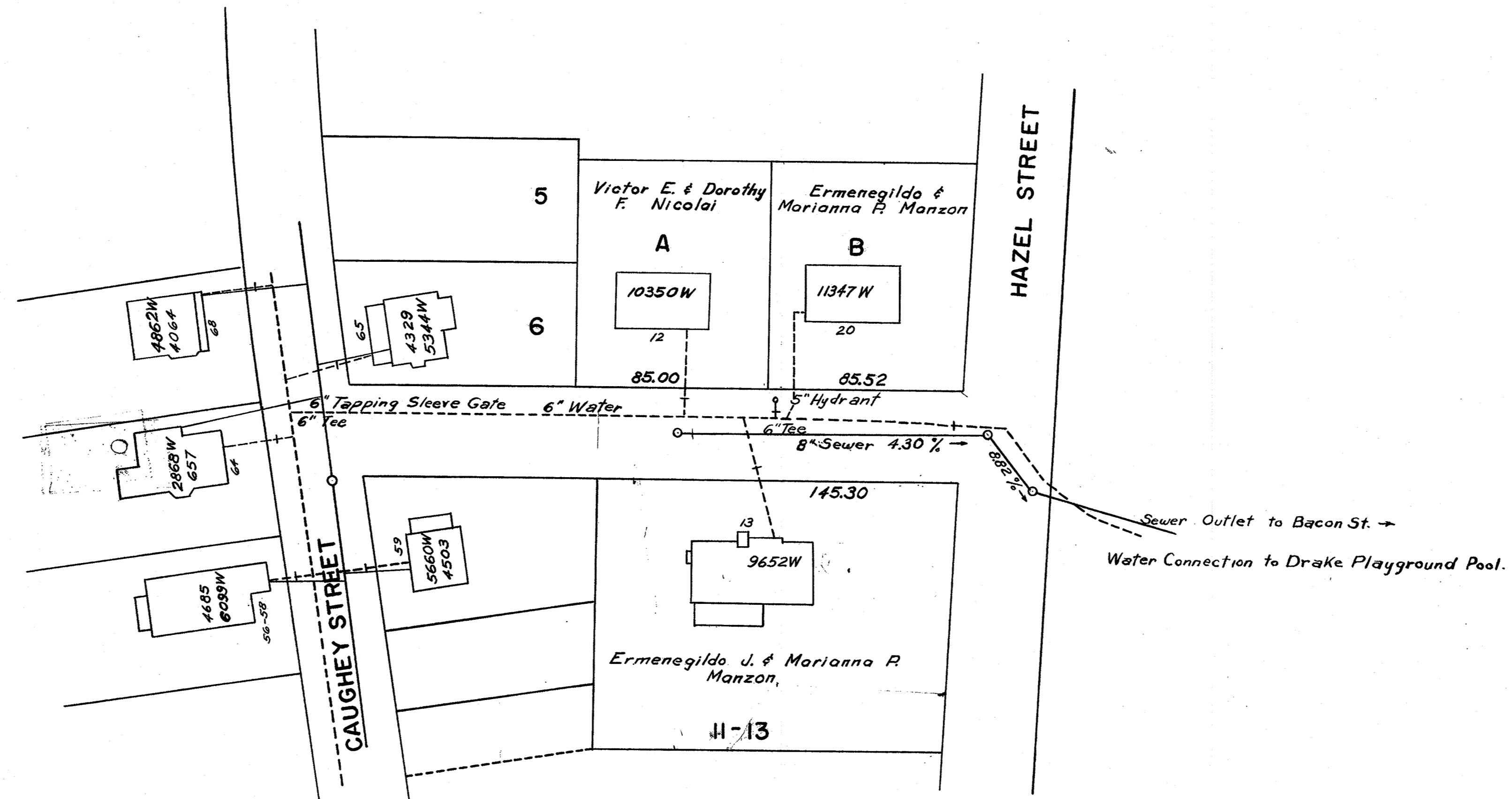


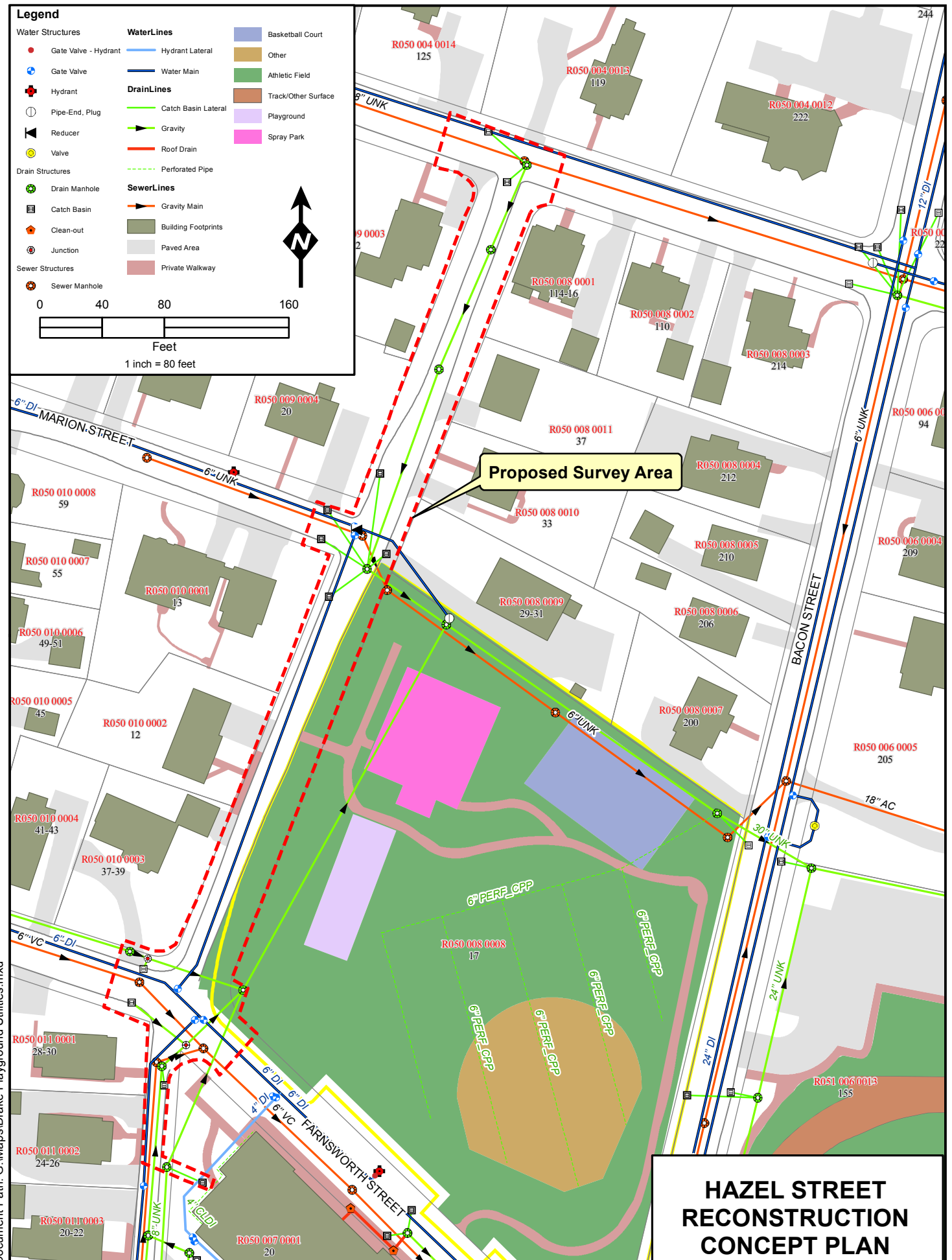
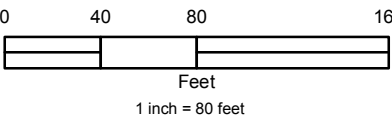
TABLE OF ASSESSMENTS FOR 1964 CONSTRUCTION
 CONSTRUCTION ORDER 21248 DATE OF APPROVAL OCT.14,1964
 ASSESSMENT ORDER 21912 DATE OF APPROVAL FEB.14,1967
 TOTAL COST \$9,999.02
 AMOUNT ASSESSED \$1,263.28
 ASSESSMENTS \$ 4.00 PER LINEAR FOOT OF FRONTAGE

ABUTTER	Lot No.	House No.	Frontage	Frontage Assessed	Amount	REMARKS
NORTH SIDE						
Ermenegildo & Marianna P. Manzon	B	20	85.52	85.52	342.08	Short Side LT. to Lot Line
Victor E. & Dorothy F. Nicolai	A	12	85.00	85.00	340.00	
SOUTH SIDE						
Ermenegildo J. & Marianna P. Manzon	H-13	13	145.30	145.30	581.20	
TOTALS				315.82	1263.28	



Legend

Water Structures	WaterLines	Basketball Court
● Gate Valve - Hydrant	Hydrant Lateral	Other
● Gate Valve	Water Main	Athletic Field
● Hydrant	DrainLines	Track/Other Surface
○ Pipe-End, Plug	Catch Basin Lateral	Playground
▼ Reducer	Gravity	Spray Park
● Valve	Roof Drain	
Drain Structures	Perforated Pipe	
● Drain Manhole	SewerLines	
■ Catch Basin	Gravity Main	Building Footprints
● Clean-out		Paved Area
● Junction		Private Walkway
● Sewer Manhole		



**HAZEL STREET
RECONSTRUCTION
CONCEPT PLAN**