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PURCHASING DEPARTMENT

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Goods & Services

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Assistant Purchasing Agent for
Design & Construction

TO: All Bidders

FROM: City of Cambridge

DATE: May 23, 2024

RE: File No. 11571 – Webster Ave Demolition - Addendum No. 2

This addendum is comprised of the following:

- 1. Changes to Specifications**
- 2. Changes to Drawings**
- 3. Questions and Answers**

CHANGES TO SPECIFICATIONS

Section 012300 – Alternates

Delete this section in its entirety:

Section 024100 – Demolition

Replace this section with the attached section 024100.”

CHANGES TO DRAWINGS:

AD-100 – 315 Webster Avenue Demolition Plans

Replace this drawing with the attached drawing AD-100

S-100 – 319 Webster Avenue Temporary Roof Truss Shoring

Replace this drawing with the attached drawing S-100

Existing Conditions Survey

A drawing of the existing conditions survey is being provided.



The following questions were asked and answered:

Question 1:

Although Building 333 Webster is included in the Asbestos Report, please confirm that it is NOT INCLUDED in this contract scope

Response:

The asbestos report states “The site consists of two (2) addresses (319 Webster Street and 33 Webster Street). Two (2) buildings exist on each address. The two buildings located at 319 Webster Street at scheduled to be demolished.” (It was meant to say 333 Webster not 33 Webster) However, neither 333 nor 333A are included in the scope.

Question 2:

Please confirm that we can utilize the hydrant near 333 Webster on the same side of the street as 315 Webster for dust control.

Response:

Confirmed. The hydrant located near 94 Webster Ave can be used, but the contractor must apply for a Hydrant Meter Permit from the City of Somerville prior to use

Question 3:

From that Asbestos Report, there was none detected at 327 Webster, although there is a listing for some minor hazardous materials abatement? What was anticipated?.

Response:

The asbestos report initially anticipated hidden pipe and hard joint insulation and hidden transite pipe that might be found.

The asbestos report refers to “319 South Building” “319 North Building” “333 South Building” and “333 North Building”.

319 South Building in the report is the building at 315 Webster

319 North Building in the report is the building at 327 Webster

333 South Building in the report is the building at 333 Webster

333 North Building in the report is the building at 333A Webster



Question 4:

Please confirm that we are not removing any former underground foundations

Response:

The top 2-feet of the concrete basement walls of the building at 315 Webster and top 2-feet of the foundation supporting the immediately adjacent canopy columns is being removed.

The complete foundation of the building at 327 Webster and the complete foundation supporting the immediately adjacent canopy columns is being removed.

No other foundations are being removed.

Question 5:

There are only two photos of the basement (15 and 16 on AD-101) which are fairly dark. Please provide more photos of the basement area (at least every wall plus some of the first floor underdeck condition) as well as any possible debris inside. We were not able to access the basement at the site walk..

Response:

Photos of the basement are on the pages that follow.

Question 6:

For the Add Alternate, if the former owner thought that they needed shoring for the floor or roof as shown on S-100, there must have been a structural concern for stability. If we were to remove that shoring first, it may put our crew in danger of an unstable or compromised structure. We believe that the ADD Alternate should be removed from the scope. We suggest that Cambridge check with your Architect for confirmation. That shoring would most likely be damaged during demolition and rendered useless.

Response:

The Add Alternate has been removed from the bid documents.



ATTACHMENTS

**Photo Attachments of basement level.
The specification sections noted above
The drawings noted above.**

All other details remain the same.

**Elizabeth Unger
Purchasing Agent**

Addendum No. 2











SECTION 024100 - DEMOLITION

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. Attention is directed to the Contract and General Conditions and all Sections within Division 01 - General Requirements, which are hereby made a part of this Section of the Specifications.

1.02 DESCRIPTION OF WORK

A. Work Included:

1. Demolition and removal of buildings and structures and as required for new work. Refer to the Drawings for additional requirements.
2. Demolition and removal of selected site elements and as required for new work. Refer to the Drawings for additional requirements.
3. Both abandoning in place and removing below-grade construction
4. Disconnecting, capping or sealing, and abandoning in place site utilities
5. Removal and legal disposal of demolished materials off site. Except those items specifically designated to be relocated, reused, or turned over to the facility, all existing removed materials, items, trash and debris shall become property of the Contractor and shall be completely removed from the site and legally disposed of at her/his expense. Salvage value belongs to the Contractor. On-site sale of materials is not permitted.
6. Protection of trees, utilities and other adjacent structures from damage resulting from work under this section.
7. Scheduling and sequencing operations without interrupt utilities serving occupied areas. If interruption is required, obtain written permission from the utility company and the City of Cambridge Project Manager. Provide temporary services as necessary to serve occupied and usable facilities when permanent utilities must be interrupted, or schedule interruption when the least amount of inconvenience will result.

B. Add Alternate Work Included:

1. None.

C. Related Sections

1. Section 013543 - Environmental Procedures: Removing or remediating all hazardous waste materials.
2. Section 017419 – Construction Waste Management
3. Section 028200 - Asbestos Remediation: ACM removal

1.03 DEFINITIONS

- A. Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.
- B. Remove and Salvage: Detach or relocate items from existing construction work area and deliver or relocate them as directed to a designated location. Protect from weather until accepted by City of Cambridge.

- C. Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated. Protect from weather until reinstallation.
- D. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

1.04 MATERIALS OWNERSHIP

- A. Historic items, relics, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques, antiques, and other items of interest or value to the City of Cambridge that may be encountered during selective demolition remain property of the City of Cambridge as applicable. Carefully remove each item or object in a manner to prevent damage and deliver promptly to a location acceptable to the City of Cambridge.

1.05 SUBMITTALS

- A. Schedule of Selective Demolition Activities: Indicate the following:
 - 1. Detailed sequence of selective demolition and removal work, with early and late starting and finishing dates for each activity. Ensure User Agency's on-site operations are uninterrupted if applicable.
 - 2. Interruption of utility services. Indicate how long utility services will be interrupted.
 - 3. Coordination for shutoff, capping, and continuation of utility services.
 - 4. Locations of proposed dust- and noise-control temporary fencing and means of egress, including for other occupants affected by demolition operations.
 - 5. Coordination of City of Cambridge 's continuing occupancy of portions of the existing site.
 - 6. Means of protection for items to remain and items in path of waste removal from building.
 - 7. Plan for fire prevention during demolition.
- B. Pre-demolition Photographs and Videos: Show existing conditions of adjoining construction and site improvements, including the interior and finish surfaces, that might be misconstrued as damage caused by selective demolition operations. Comply with Division 01. Submit before Work begins.

1.06 QUALITY ASSURANCE

- A. Examination of Existing Conditions: The Contractor shall examine the Contract Drawings for demolition and removal requirements and provisions for new work during the scheduled pre-bid walk-through. (See Instructions to Bidders) Verify all existing conditions and dimensions before commencing work. At such time, the Contractor shall examine the existing conditions as he/she finds them and shall inform herself/himself of the character, extent and type of demolition and removal/relocation work to be performed. Submit any questions regarding the extent and character of the demolition and removal work in the manner and within the time period established for receipt of such questions during the bidding period.
- B. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.
- C. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

- D. Standards: Comply with ANSI A10.6 and NFPA 241.
- E. Predemolition Conference: Conduct conference at Project site to comply with requirements in Section 013100 - Project Management and Coordination. Review methods and procedures related to selective demolition including, but not limited to, the following:
 - 1. Inspect and discuss condition of construction to be selectively demolished.
 - 2. Review structural load limitations of existing structure.
 - 3. Review and finalize selective demolition schedule and verify availability of materials, demolition personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Review requirements of work performed by other trades.
 - 5. Review areas where existing structures are to remain and requires protection.

1.07 PROJECT CONDITIONS

- A. Buildings to be demolished will be vacated and their use discontinued before start of Work..
- B. The building immediately adjacent to demolition area will be occupied. Conduct building demolition so their operations will not be disrupted.
- C. Maintain access to existing walkways, exits, and other adjacent occupied or used facilities.
- D. Owner assumes no responsibility for buildings and structures to be demolished.

1.08 WARRANTY

- E. Existing Warranties: Remove, replace, patch, and repair materials and surfaces damaged during demolition, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that utilities have been disconnected and capped.
- B. Inventory and record the condition of items to be removed and reinstalled and items to be removed and salvaged.
- C. When unanticipated mechanical, electrical, or structural elements that conflict with intended function or design are encountered, investigate and measure the nature and extent of conflict. Promptly submit a written report to the Architect.

3.02 UTILITY SERVICES

- A. The Owner will locate, identify, disconnect, and seal or cap off utility services serving buildings to be demolished.

3.03 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Cut off pipe or conduit in walls or partitions to be removed. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing. Where entire wall is to be removed, existing services/systems may be removed with removal of the wall.
- B. Prior to commencing cutting work in existing surfaces, take all precautionary measures to assure that mechanical and electrical services to the particular area have been made inactive. Only licensed tradesmen of that particular trade shall disconnect and cap existing mechanical and electrical items that are to be removed and / or abandoned
- C. If, during the process of cutting work, existing utility lines are encountered which are not indicated on the Drawings, regardless of their condition, immediately report such items to the Architect. Do not proceed with work in such areas until instructions are issued by the Architect. Continue work in other areas

3.04 PREPARATION

- A. Site Access and Temporary Controls: Conduct demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
 - 1. Comply with requirements for access and protection specified in Section 015000 - Temporary Facilities And Controls.
 - 2. Maintain adequate passage to and from all exits at all times. Before any work is done which significantly alters access or egress patterns, consult with the Architect and obtain approval of code required egress. Under no condition block or interfere with the free flow of people at legally required exits, or in any way alter the required condition of such exits.
- B. Temporary Shoring: Provide and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
 - 1. Remove temporary shoring, bracing and structural supports when no longer required.
 - 2. Post warning signs and place barricades as applicable during placement and removal of temporary shoring.
- C. Conduct demolition operations to prevent injury to people and damage to adjacent buildings and facilities to remain. Ensure safe passage of people around demolition area(s).
 - 1. Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction. Provide temporary barricades as required to limit access to demolition areas.
 - 2. Protect existing site improvements, appurtenances, and landscaping to remain.
- D. Drain, purge, or otherwise remove, collect, and dispose of chemicals, gases, explosives, acids, flammables, or other dangerous materials before proceeding with demolition operations.

3.05 DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain fire watch and portable fire-suppression devices during flame-cutting operations.
 2. Maintain adequate ventilation when using cutting torches.
 3. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
 4. Locate demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 5. Dispose of demolished items and materials promptly.
- B. Removed and Salvaged Items:
1. Clean salvaged items.
 2. Pack or crate items after cleaning. Identify contents of containers.
 3. Transport items to storage area designated by the City of Cambridge.
 4. Protect items from damage during transport and storage.

3.06 PROTECTION OF PUBLIC AND PROPERTY

- A. Provide all measures required by federal, state and municipal laws, regulations, and ordinances for the protection of surrounding property, the public, workmen, and City's employees during all demolition and removal operations. Measures are to be taken, but not limited to installation of sidewalks, sheds, barricades, fences, warning lights and signs, trash chutes and temporary lighting.
- B. Protect all walks, roads, streets, curbs, pavements, trees and plantings, on and off premises, and bear all costs for correcting such damage as directed by the Designer, and to the satisfaction of the City of Cambridge Project Manager.
- C. Demolition shall be performed in such a manner that will insure the safety of adjacent property. Protect adjacent property from damage and protect persons occupying adjacent property from injuries which might occur from falling debris or other cause and so as not to cause interference with the use of other portions of the building, of adjacent buildings or the free access and safe passage to and from the same.
- D. Every precaution shall be taken to protect against movement or settlement of adjacent buildings, sidewalks, roads, streets, curbs and pavements. Provide and place at the Contractor's own expense, all necessary bracing and shoring in connection with demolition and removal work.
- E. Remove portions of structures with care by using tools and methods that will not transfer heavy shocks to existing and adjacent building structures, both internal and external of the particular work area.
- F. Provide and maintain in proper condition, suitable fire resistive dust barriers around areas where interior demolition and removal work is in progress. Dust barriers shall prevent the dust migration to adjacent areas. Remove dust barriers upon completion of major demolition and removal in the particular work area.

3.07 DISCOVERY OF HAZARDOUS MATERIALS

- A. If hazardous materials, such as chemicals, asbestos-containing materials, or other hazardous materials are discovered during the course of the work, cease work in affected area only and immediately notify the Architect and the Owner's Project Manager of such discovery. Do not proceed with work in such areas until instructions are issued by the Architect. Continue work in other areas.
- B. If unmarked containers are discovered during the course of the work, cease work in the affected area only and immediately notify the Architect and the Owner of such discovery. Do not proceed with work in such areas until instructions are issued by the Architect. Take immediate precautions to prohibit endangering the containers integrity. Continue work in other areas.

3.08 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Comply with the following.
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
 - 3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
- B. Burning: Do not burn demolished materials.

3.09 DUST CONTROL AND CLEANING

- A. Spray water onto demolition sufficient to prevent dust.
- B. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Premises shall be left in a clean condition and ready to accept alteration work and new construction.

END OF SECTION

Number	Revision	Date
1	ADDENDUM 02	5/23/2024

Registrations

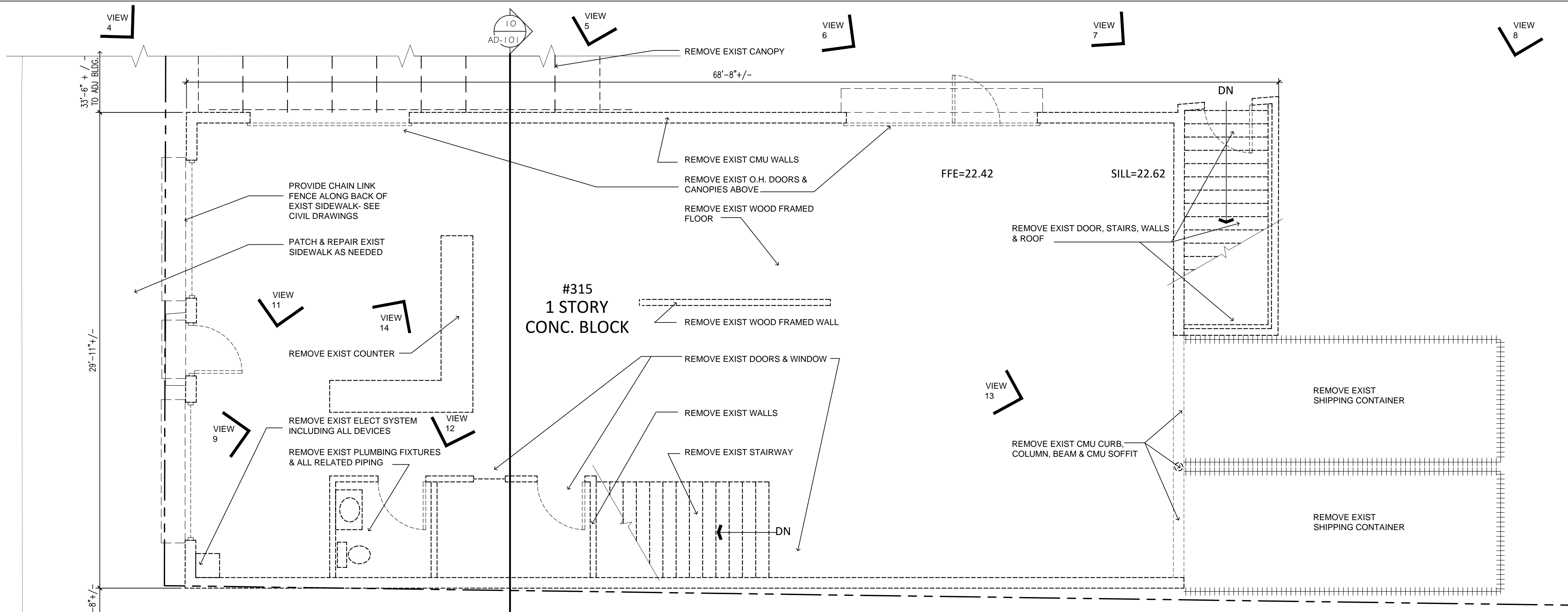
Consultants

Project
315-333 WEBSTER AVE.
CITY OF CAMBRIDGE
795 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02139

Drawing Title
315 WEBSTER AVENUE
DEMOLITION PLANS

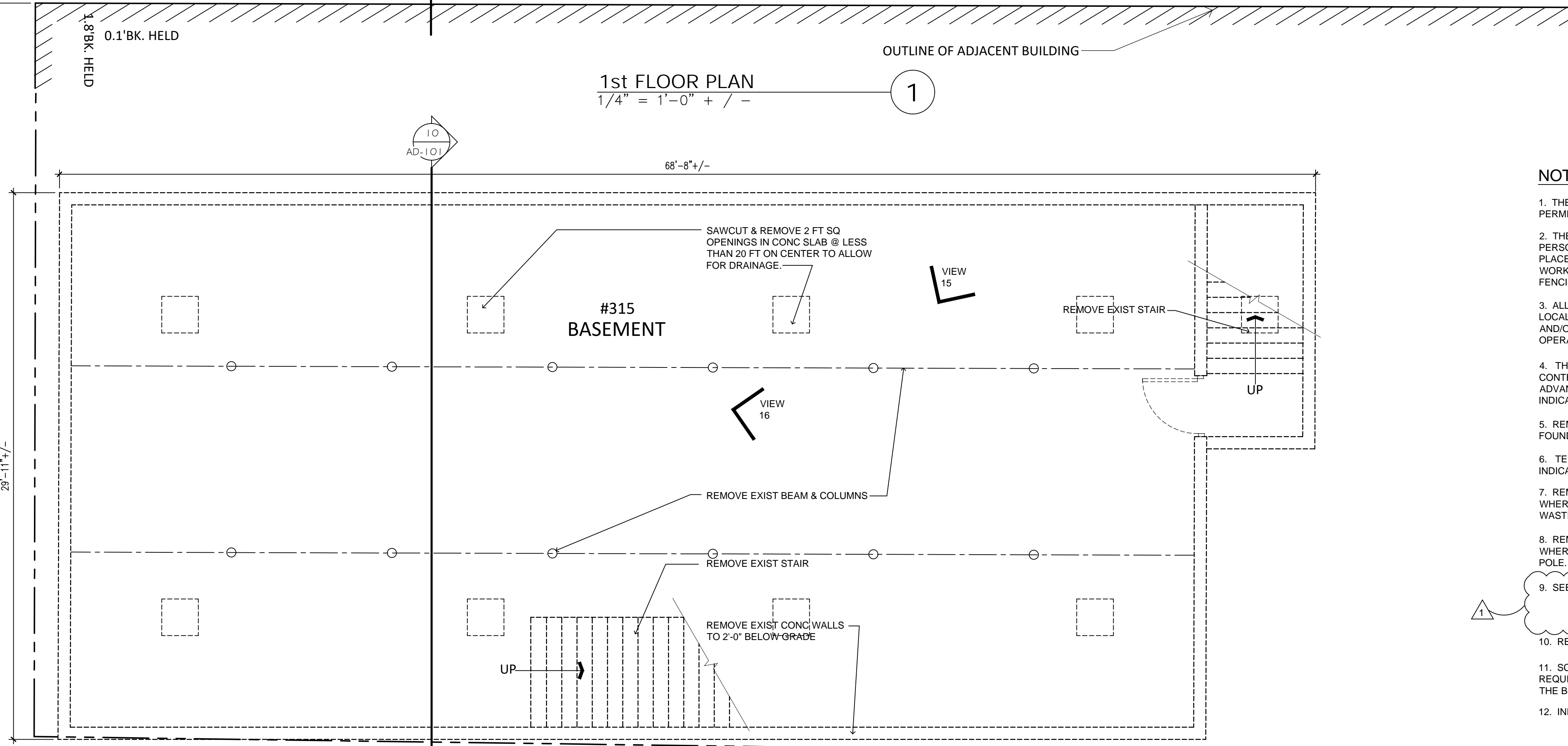
PQ JS
Drawn by Checked by
April 5, 2024
Date
22321
Job number
Construction Documents
Drawing set
Drawing number

AD-100



1st FLOOR PLAN
1/4" = 1'-0" + / -

1

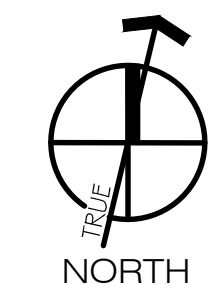


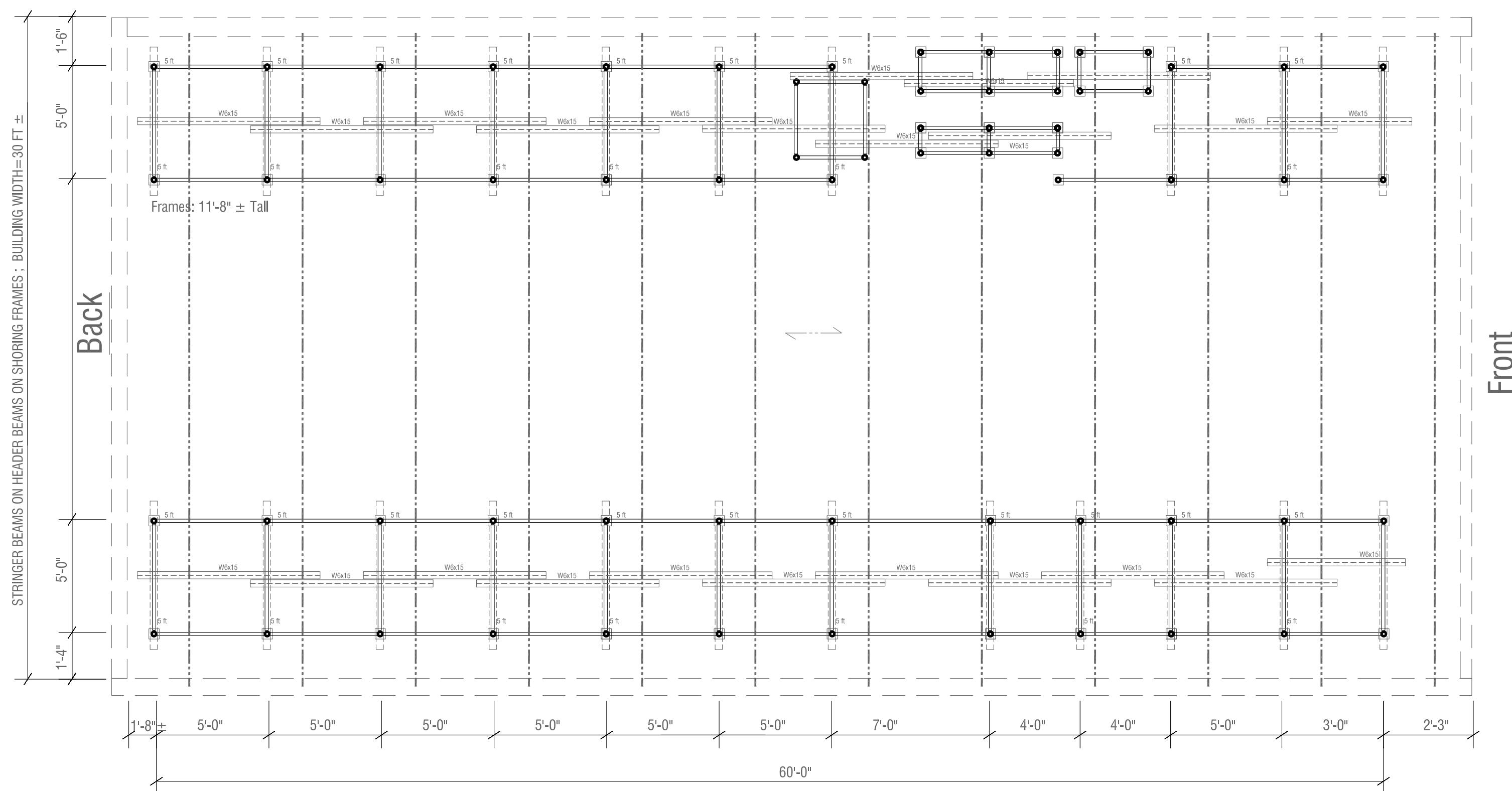
BASEMENT FLOOR PLAN
1/4" = 1'-0" + / -

2

NOTES:

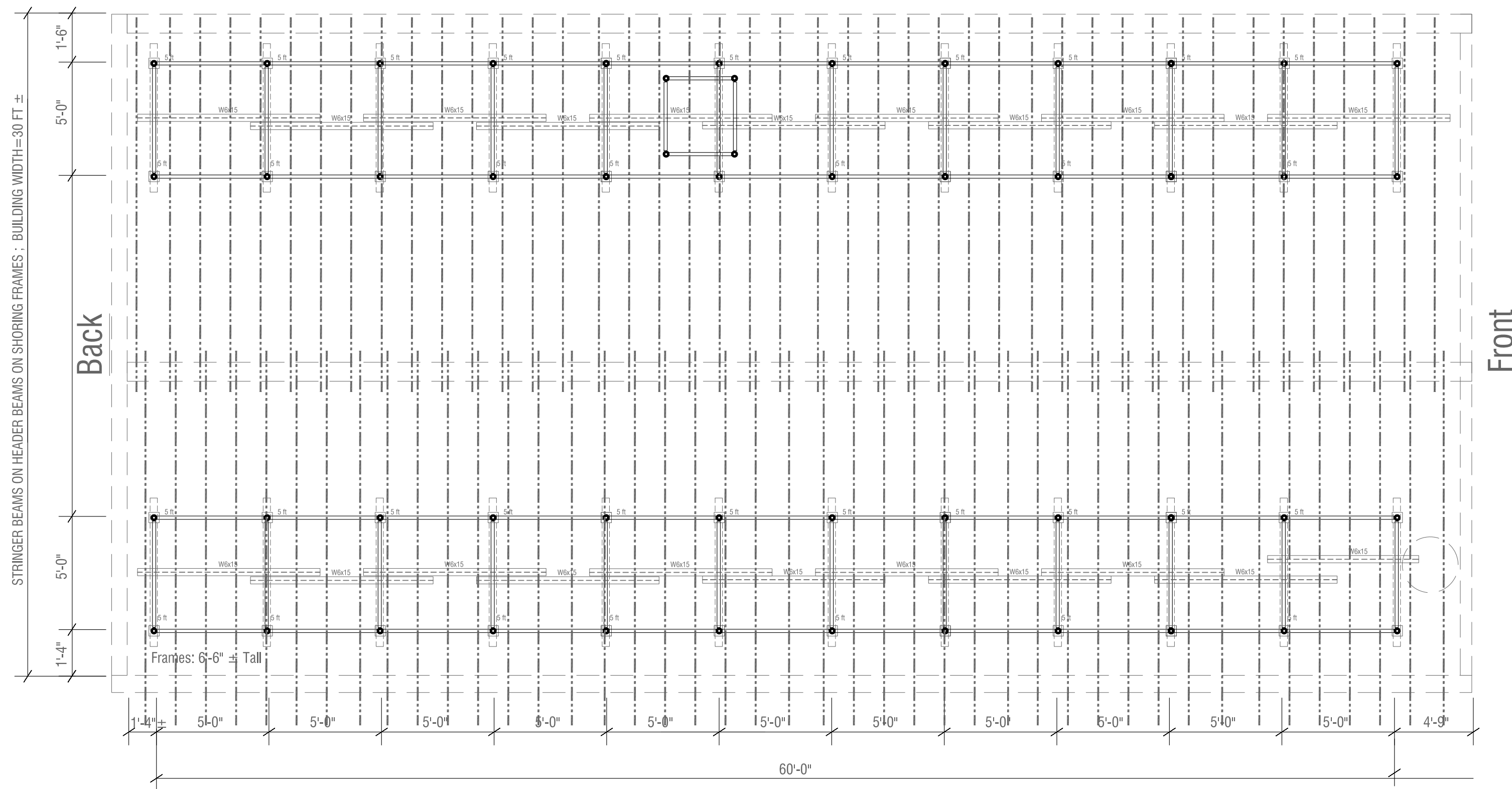
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS, SCHEDULING REQUIRED INSPECTIONS AND OBTAINING FINAL APPROVALS.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF THE PUBLIC, THE OWNER'S PERSONNEL, WORKMEN, CONSULTANTS AND OF THE WORK SITE. THE CONTRACTOR SHALL PLACE AND CONTINUALLY MAINTAIN, STRONG VISUAL AND PHYSICAL ENCLOSURE OF ALL WORK AREAS. THIS INCLUDES, BUT IS NOT LIMITED TO, BARRICADES AND CONSTRUCTION FENCING TO PROVIDE A WELL DEFINED SEPARATION OF PUBLIC AND WORK SPACES.
3. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. SECURE REQUIRED DEMOLITION PERMITS. ARRANGE WITH THE OWNER AND/OR APPROPRIATE UTILITIES FOR SERVICE SHUTOFFS BEFORE BEGINNING DEMOLITION OPERATIONS AFFECTING UTILITIES.
4. THE ACTUAL LOCATION OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR. CONTRACTOR WILL CONTACT "DIG SAFE" AT 1-800-DIG-SAFE (1-800-344-7233) 72 HOURS IN ADVANCE. INFORMATION SHOWN ON PLANS DIAGRAMMATIC AND IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITION, AS "AS-BUILT" CONDITIONS MAY DISCLOSE.
5. REMOVE EXISTING BUILDING IN ITS ENTIRETY AS INDICATED. REMOVE TOP OF EXIST CONC FOUND WALLS TO 2'-0" BELOW GRADE.
6. TERMINATE, CAP AND REMOVE ALL HVAC DUCTWORK, CONTROLS, PIPING, ETC; WHERE INDICATED OR REQUIRED.
7. REMOVE EXISTING PLUMBING SYSTEM INCLUDING FIXTURES & WATER, SEWER & GAS PIPING WHERE INDICATED OR REQUIRED TO PROPERTY LINE. CUT, CAP-OFF & MAKE SAFE SUPPLY & WASTE PIPING SERVICE ENTRANCE. COORDINATE W/ LOCAL UTILITY COMPANIES.
8. REMOVE EXISTING ELECT SYSTEM INCLUDING FIXTURES, DEVICES, PANELBOARDS & WIRING WHERE INDICATED OR REQUIRED. CUT, CAP & MAKE SAFE EXIST SERVICE DROP TO UTILITY POLE. COORDINATE W/ LOCAL UTILITY.
9. SEE THE ATTACHED "TEMPORARY ROOF TRUSS SHORING" PLAN No. S-100.
10. REFER TO DRAWING AD-101 FOR PHOTOGRAPHIC VIEWS
11. SCHEDULE STRUCTURAL ENGINEERING SITE VISITS THROUGH THE ARCHITECT AS REQUIRED FOR ENGINEERING INPUT AT VARIOUS TIMES THROUGHOUT THE DEMOLITION OF THE BUILDINGS.
12. INFILL EXIST BASEMENT AND PROVIDE FENCING AND GATE - SEE CIVIL DRAWINGS.





1 Plan View at First Level Shoring Frames

Frames: 10'-6" ± Tall
Scale: N.T.S.



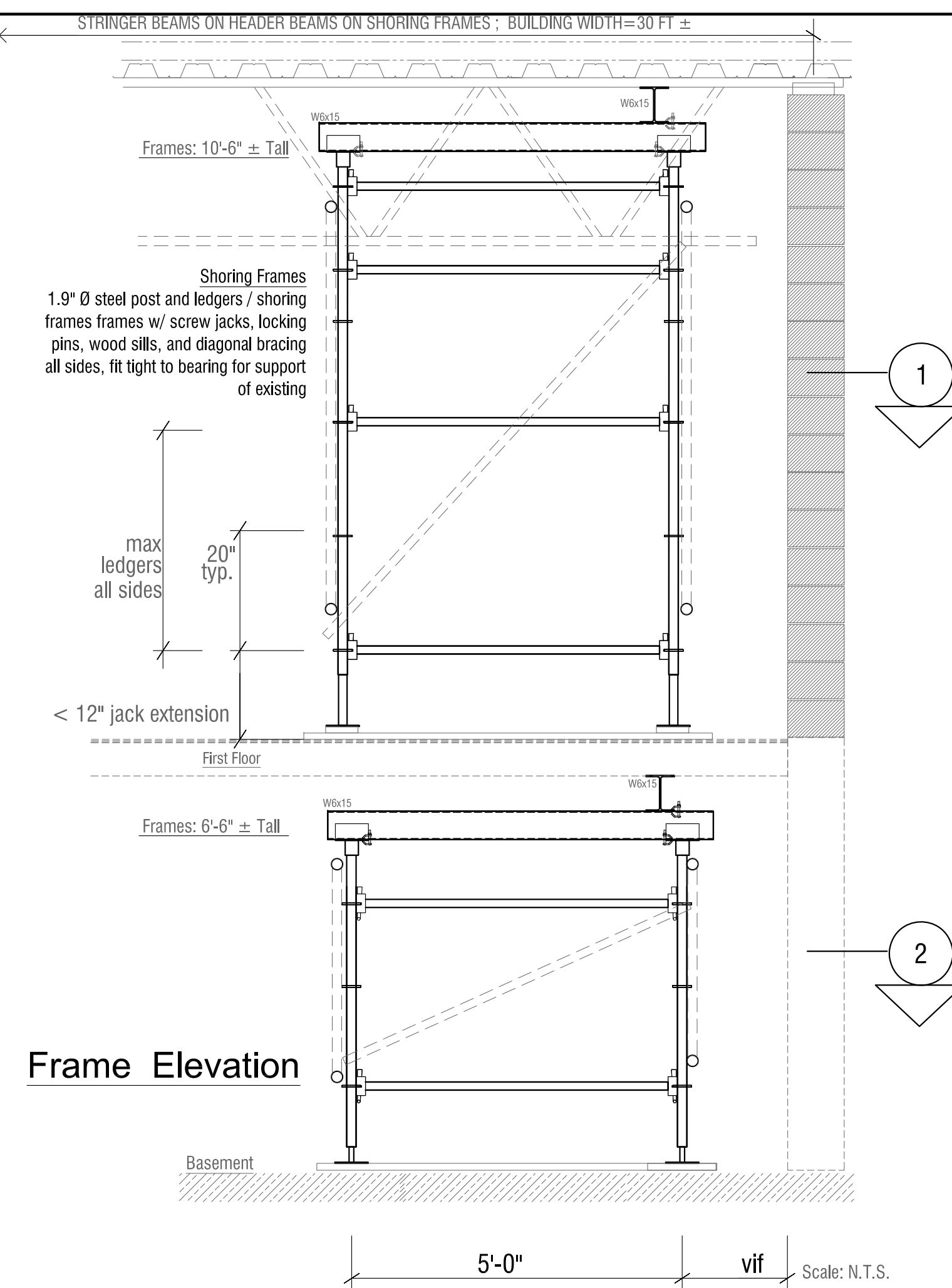
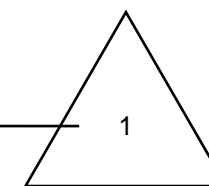
2 Plan View at Basement Shoring Frames

Frames: 6'-6" ± Tall
Scale: N.T.S.

THIS DRAWING WAS PREPARED BY OTHERS AND IS BEING PROVIDED TO ESTABLISH THE EXTENT OF THE EXISTING SHORING AND IS FOR REFERENCE ONLY. FIELD VERIFY ALL CONDITIONS.

ALL EXISTING SHORING IS TO BE REMOVED AS PART OF THE DEMOLITION OF THIS BUILDING LOCATED AT 315 WEBSTER AVE.

ADD ALTERNATE: NONE INCLUDED



Frame Elevation

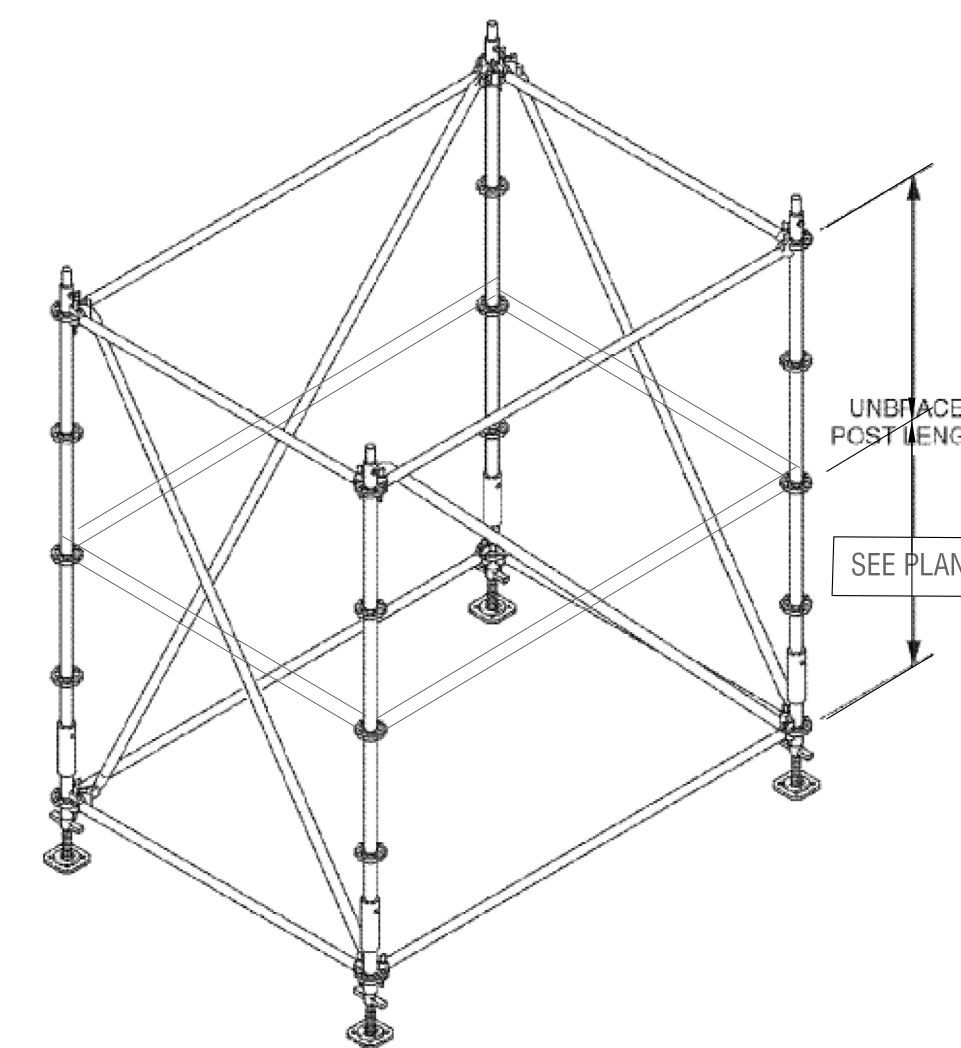
System / Assembly Notes

- 1.) ALL TEMPORARY FRAME COMPONENTS AND SET UPS TO BE SUPPLIED BY AN INDUSTRY MANUFACTURE OF SCAFFOLD AND COMPONENTS. PARTS DESCRIBED HEREIN ARE TO BE REFERENCED TO THE INDUSTRY STANDARD MANUFACTURES LOAD RATING CATALOG COMPONENT TESTING AND CONNECTION AND MEMBER CAPACITIES OR SUPPLIED COMPUTATIONS. PROVIDE MECHANICAL CONNECTORS & CLAMPS FOR ALL COMPONENTS
- 2.) USER / ERECTOR / COMPETENT PERSON SHALL COMPLY WITH ALL OSHA, LOCAL AND NATIONAL STANDARDS FOR SCAFFOLDING
- 3.) THE PLANS DEVELOPED FOR THIS APPLICATION HAVE BEEN BASED ON THIRD PARTY SUPPLIED INFORMATION AND MAY VARY DUE TO FIELD CONDITIONS AND SITE CHANGES. THE END USER MUST PERFORM INITIAL AND ONGOING INSPECTIONS ON INTERVALS AS REQUIRED FOR CONFORMANCE TO STANDARDS BY LOCAL, STATE AND NATIONAL CODE ENFORCEMENT AUTHORITIES
- 4.) ERECTOR TO CHECK AND VERIFY ALL DIMENSIONS AND DETAILS PRIOR TO INSTALLING
- 5.) MATERIAL NOTES:
ALL STANDARDS ARE STEEL PIPE TYPE 1 HAVING MINIMUM O.D. = 1.9" AND WALL THICKNESS = 0.120" WALL $F_y=50$ KSI material
- 6.) USE LOAD BEARING ROSETTE FITTINGS FOR ALL SECTIONS, TUBE & FITTING / CLAMP ALTERNATIVELY PERMITTED AT DIAGONAL ASSEMBLY, ALL BRACING TO EXTEND TO A MINIMUM OF TWO STANDARDS
- 7.) ALL JOINTS MUST BE FIXED WITH LOCKING PINS, BEAMS W/ CLAMPS, TYPICAL.
- 8.) ALL STANDARD TO BE BRACED IN TWO DIRECTIONS AT MAXIMUM OF 40°, UNLESS OTHERWISE NOTED.
- 9.) ALL FRAMES TO HAVE DIAGONAL BRACING ON EACH SIDE, LONGITUDINAL AND TRANSVERSE, HAVING INDIVIDUAL FRAMES LINKED TOGETHER OR BRACED ON ALL SIDE FOR TOWER ASSEMBLIES
- 10.) ALL PLATFORM EDGES T HAVE 4" MIN. TOE BOARDS PROTECTION AT RAILS
- 11.) ALL STAIR AND PLATFORMS TO BE KEPT CLEAR OF DERBIES, ALL SNOW, ICE ETC. TO BE REMOVED BEFORE USE
- 12.) OVER HEAD PROTECTION TO HAVE SCAFFOLD PLANKS AND 3/4" PL WOOD SIDE WALL RAILS AND ENCLOSURE SYSTEM BY CLIENT SELECTION

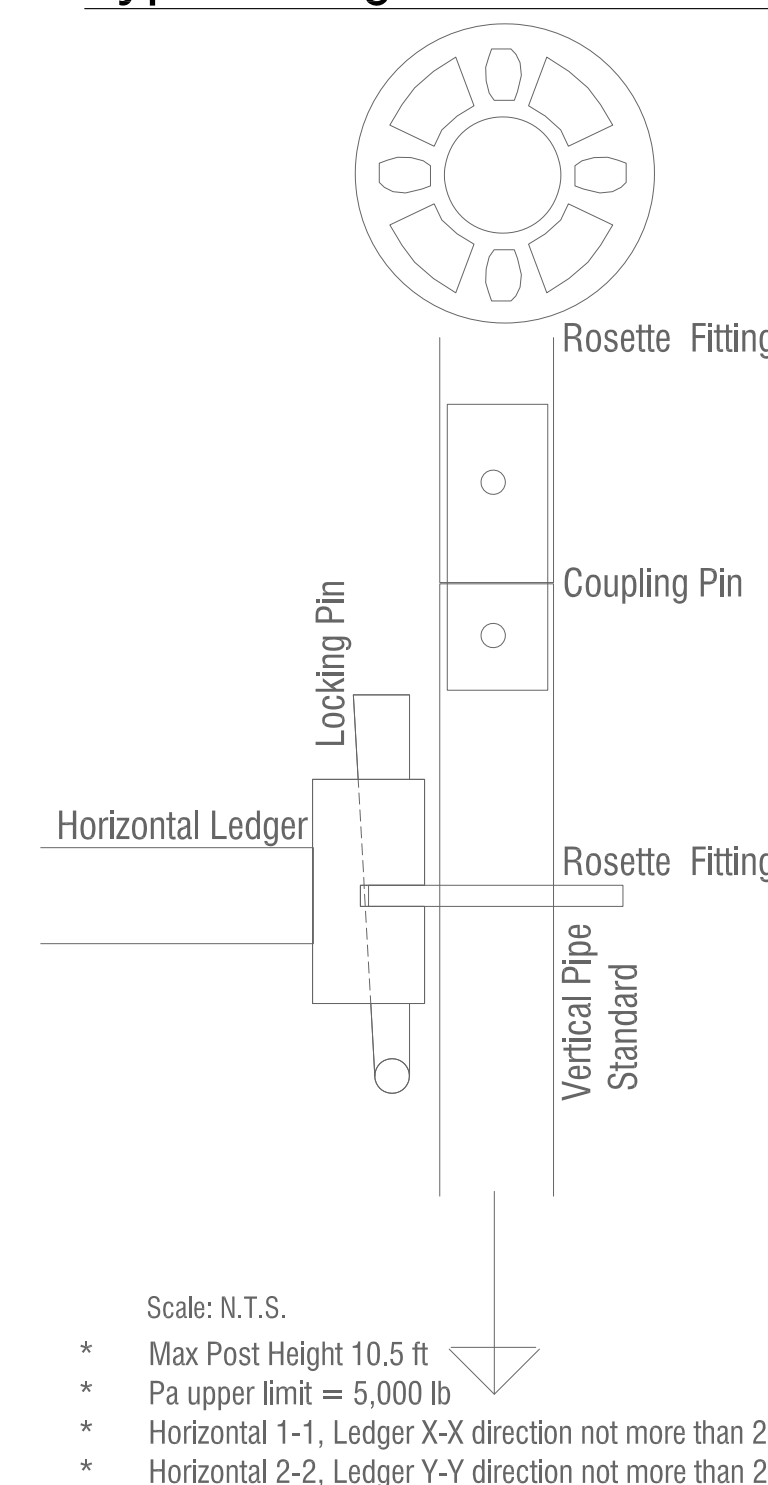
General Notes

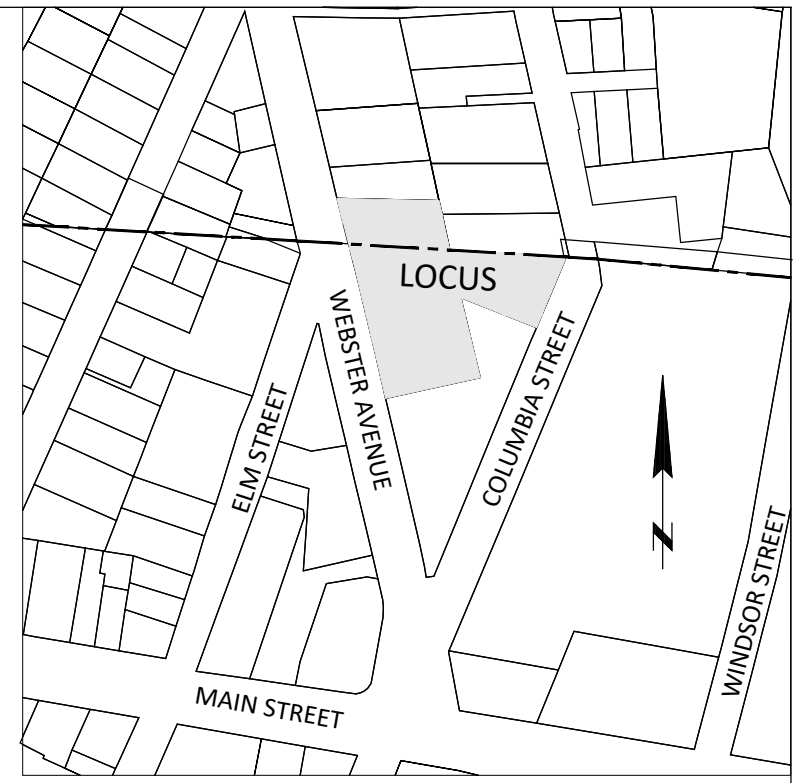
- Project Location: Cambridge, Massachusetts
Massachusetts State Building Code 9th Edition with ASCE 7 - 10.
- Roof Dead Load; DL= 25 psf
Roof Snow P_f= 30 psf
Ground Snow= N/A Interior
Seismic S₁= 0.216 S_s= 0.069
Soil Bearing = 2,500 psf u.o.n.
- ALL SHORING PROVIDED FOR GRAVITY LOADING. SUPPORTING THE ROOF FRAMING DUE TO COMPROMISED WALLS. THE OVERALL SUPERSTRUCTURE IS UNDERSTOOD TO BE MAINTAINED FOR OVERALL BUILDING STABILITY
- ALL SCAFFOLD COMPONENTS AND SET UPS ARE AS PER INDUSTRY AND OSHA STANDARDS. PARTS NOT EXPLICITLY DESCRIBED HEREIN ARE TO BE REFERENCED TO INDUSTRY STANDARD MANUFACTURES CATALOG COMPONENT TESTING AND CONNECTION AND MEMBER CAPACITIES
- USER / ERECTOR / COMPETENT PERSON SHALL COMPLY WITH ALL OSHA, LOCAL AND NATIONAL STANDARDS FOR SCAFFOLDING
- THIS LAYOUT WAS DEVELOPED FROM LIMITED INFORMATION AND MAY VARY DUE TO FIELD CONDITIONS. USER MUST PERFORM INSPECTIONS ON INTERVALS AS REQUIRED BY THE MANUFACTURE, ANSI, LOCAL STATE AND NATIONAL ENFORCEMENT AUTHORITIES
- ERECTOR TO CHECK AND VERIFY ALL DIMENSIONS AND DETAILS PRIOR TO INSTALLING
- PROVIDE BUTT BRACE ANCHORAGE TO BUILDING SUPPORT STRUCTURE FOR STABILITY OF SCAFFOLD SYSTEMS, DETERMINE ADEQUACY FOR ATTACHMENTS BY OTHERS IN FILED, PROVIDE 1/2" Ø 4" EMBEDMENT MASONRY ANCHOR OR EQUAL

Typical Rosette Standard Assembly

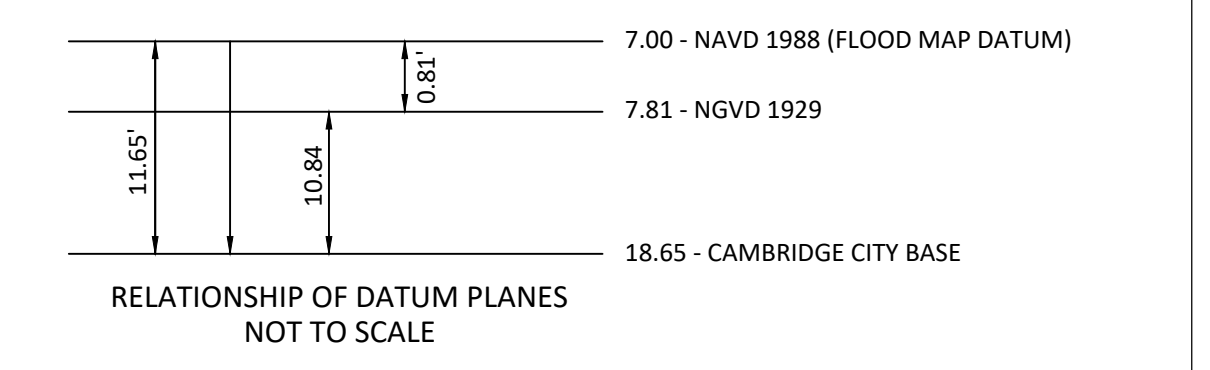


Typical Ring Standards Parts





- NOTES:**
- BENCH MARK INFORMATION:
 - BENCHMARKS USED:
 - BM#2: RIGHT OUTER CORNER LOWER BRICK STEP (R.O.C.L.B.S.) OF BUILDING NO. 250 WEBSTER AVENUE. ELEVATION= 23.01'
 - BM#3: RIGHT OUTER CORNER LOWER CONCRETE STEP (R.O.C.L.C.S.) OF BUILDING NO. 474 WEBSTER AVENUE. ELEVATION= 23.07'
 - TEMPORARY BENCH MARKS SET:
 - TBM-BRENN1: BENCHMARK SET IN UTILITY POLE 166/79 ON COLUMBIA STREET, AS SHOWN HEREON. ELEVATION= 22.46'
 - TBM-BRENN2: BENCHMARK SET IN UTILITY POLE #230/47 ON WEBSTER AVENUE, AS SHOWN HEREON. ELEVATION= 21.43'
 - TBM-BRENN3: BENCHMARK SET IN UTILITY POLE #362/1, ON WEBSTER AVENUE, AS SHOWN HEREON. ELEVATION= 21.59'
 - THE VERTICAL DATUM IS BASED ON CAMBRIDGE CITY BASE ELEVATIONS AND THE BENCHMARKS USED IN NOTE 1.
 - THE HORIZONTAL DATUM IS BASED ON THE MASSACHUSETTS COORDINATE SYSTEM, NAD 1983 MAINLAND ZONE, AND WAS DERIVED FROM GPS OBSERVATIONS.
 - CONTOUR INTERVAL EQUALS ONE (1) FOOT.
 - THE TOPOGRAPHY, SURFACE IMPROVEMENTS AND SITE DETAIL DEPICTED HEREON WAS OBTAINED FROM AN ON-THE-GROUND SURVEY CONDUCTED BY BRENNAN CONSULTING, INC. BETWEEN JULY 18-26, 2023 AND SEPTEMBER 19, 2023.
 - THE ELECTRIC LINES AS SHOWN HEREON, WERE COMPILED FROM GIS PLANS PROVIDED BY EVERSOURCE. NO RECORD OF SIZE OR MATERIAL OF THE CONDUITS WAS MADE AVAILABLE. GAS LINE INFORMATION WAS NOT AVAILABLE AT THE TIME OF SURVEY.
 - THE CITY OF SOMERVILLE WATER LINES AS SHOWN HEREON, WERE COMPILED FROM SCHEMATIC PDF'S PROVIDED BY THE CITY AND FROM THE PLAN REFERENCED IN NOTE 6 AND ARE APPROXIMATE. WATER LINE SIZES SHOWN ON THE SCHEMATIC PLANS PROVIDED WERE BLURRED AND NEED TO BE VERIFIED BY THE CITY.
 - UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. BRENNAN CONSULTING CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLANS, SINCE SUBSURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.
 - THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE REPORT.
 - THE DISPOSITION OF 94 WEBSTER AVENUE, SOMERVILLE, MA., AS SHOWN HEREON, IS UNKNOWN AND NO NEW CERTIFICATE OF TITLE WAS STATEMENT IS CURRENTLY AVAILABLE.
 - THE TOWN LINE INFORMATION AS SHOWN HEREON, WAS PROVIDED BY THE MASSACHUSETTS HIGHWAY DEPARTMENT-GEODETIC SURVEY DIVISION ON THE FOLLOWING WEBSITE: [HTTPS://GIS.MASSDOT.STATE.MA.US/TOWNCORNERS](https://gis.massdot.state.ma.us/TownCorners)
 - THIS DOCUMENT IS AN INSTRUMENT OF SERVICE OF BRENNAN CONSULTING AND ISSUED TO OUR CLIENT FOR PURPOSES RELATED DIRECTLY AND SOLELY TO OUR CLIENT FOR THIS PROJECT. ANY USE OR REUSE OF THIS DOCUMENT FOR ANY REASON BY ANY PARTY FOR PURPOSES UNRELATED DIRECTLY AND SOLELY TO SAID CONTRACT SHALL BE AT THE USER'S SOLE AND EXCLUSIVE RISK AND LIABILITY, INCLUDING LIABILITY FOR VIOLATION OF COPYRIGHT LAWS, UNLESS WRITTEN CONSENT IS PROVIDED BY BRENNAN CONSULTING.



- REFERENCES**
- MIDDLESEX SOUTH COUNTY REGISTRY OF DEEDS
 BOOK 81493 PAGE 75
 BOOK 81494 PAGE 115
 BOOK 81493 PAGE 381
 PLAN BOOK 2A PAGE 30
 PLAN BOOK 127 PAGE 41
 PLAN NO. 106 OF 1988
 PLAN NO. 308 OF 2001
 PLAN NO. 1107 OF 2003
 PLAN NO. 623 OF 2004
 PLAN NO. 783 OF 2020
 PLAN NO. 16 OF 2022
- MASSACHUSETTS LAND COURT
 LCC 567A
 LCC 5652A & B
 LCC 7422A & B
 LCC 7538A
 LCC 8331B
 LCC 10082A
 LCC 10084A
 LCC 11117A
- CITY OF CAMBRIDGE ENGINEERING DEPARTMENT
 PLAN NO. 9017

**EXISTING CONDITIONS SURVEY
 319 & 333 WEBSTER AVENUE &
 455 COLUMBIA STREET
 CAMBRIDGE, MASSACHUSETTS &
 94 WEBSTER AVENUE
 SOMERVILLE, MASSACHUSETTS
 (MIDDLESEX COUNTY)**

PREPARED FOR
 STV
 SCALE: 1" = 20' DATE: SEPTEMBER 21, 2023

Brennan Consulting
 ENGINEERING TRANSPORTATION SURVEYING
 24 RAY AVENUE, BURLINGTON, MA
 PHONE: (781) 273-3434 WWW.BRENNANCONSULTS.COM

NO.	DATE	DESCRIPTION	BY	CHK'D

FIELD CHIEF: IL	APPROVED: PBO	PM: PBO	SHEET NO. 1 OF 1
RESEARCH: CR/MN	COMP: MN/PBO	CADD: CR/MN	JOB NO. 23375

**SOMERVILLE
 CAMBRIDGE
 (TOWN LINE)**

**SOMERVILLE
 CAMBRIDGE
 (TOWN LINE)**

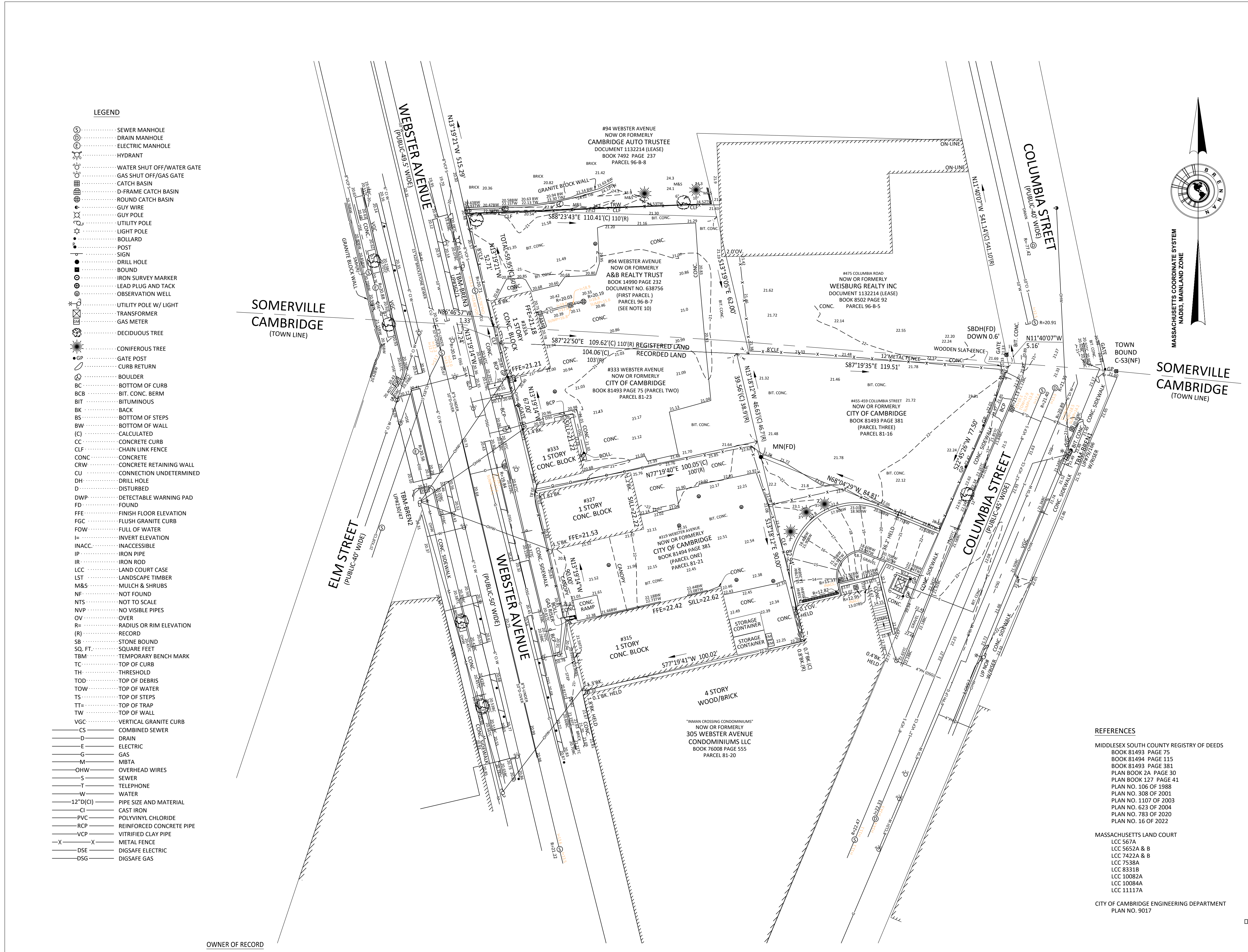
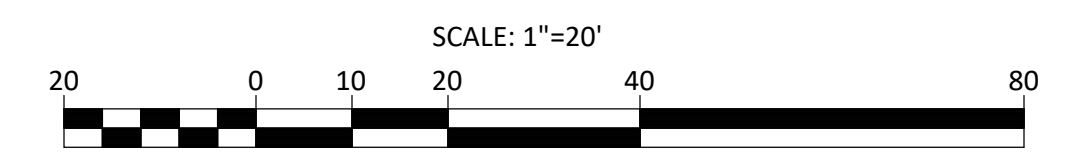
LEGEND

- ⊙ SEWER MANHOLE
- ⊙ DRAIN MANHOLE
- ⊙ ELECTRIC MANHOLE
- ⊙ HYDRANT
- ⊙ WATER SHUT OFF/WATER GATE
- ⊙ GAS SHUT OFF/GAS GATE
- ⊙ CATCH BASIN
- ⊙ D-FRAME CATCH BASIN
- ⊙ ROUND CATCH BASIN
- ⊙ GUY WIRE
- ⊙ GUY POLE
- ⊙ UTILITY POLE
- ⊙ LIGHT POLE
- ⊙ BOLLARD
- ⊙ POST
- ⊙ SIGN
- ⊙ DRILL HOLE
- ⊙ BOUND
- ⊙ IRON SURVEY MARKER
- ⊙ LEAD PLUG AND TACK
- ⊙ OBSERVATION WELL
- ⊙ UTILITY POLE W/ LIGHT
- ⊙ TRANSFORMER
- ⊙ GAS METER
- ⊙ DECIDUOUS TREE
- ⊙ CONIFEROUS TREE
- ⊙ GP
- ⊙ CURB RETURN
- ⊙ BOULDER
- ⊙ BC
- ⊙ BCB
- ⊙ BIT
- ⊙ BK
- ⊙ BS
- ⊙ BW
- ⊙ (C)
- ⊙ CC
- ⊙ CLF
- ⊙ CONC
- ⊙ CRW
- ⊙ CU
- ⊙ DHI
- ⊙ D
- ⊙ DWP
- ⊙ FFE
- ⊙ FGC
- ⊙ FOW
- ⊙ I
- ⊙ INACC
- ⊙ IP
- ⊙ IR
- ⊙ LCC
- ⊙ LST
- ⊙ M&S
- ⊙ NF
- ⊙ NTS
- ⊙ NVP
- ⊙ OV
- ⊙ R
- ⊙ (R)
- ⊙ SB
- ⊙ SQ. FT.
- ⊙ TBM
- ⊙ TC
- ⊙ TH
- ⊙ TOD
- ⊙ TOW
- ⊙ TS
- ⊙ TT
- ⊙ TW
- ⊙ VGC
- ⊙ CS
- ⊙ D
- ⊙ E
- ⊙ G
- ⊙ M
- ⊙ OHW
- ⊙ S
- ⊙ T
- ⊙ W
- ⊙ 12"D(CI)
- ⊙ CI
- ⊙ PVC
- ⊙ RCP
- ⊙ VCP
- ⊙ X
- ⊙ DSE
- ⊙ DSG

OWNER OF RECORD

PARCEL NO.	OWNER	AREA
81-16	CITY OF CAMBRIDGE	5,965 SQ. FT.
81-21	CITY OF CAMBRIDGE	9,003 SQ. FT.
81-23	CITY OF CAMBRIDGE	5,331 SQ. FT.

PARCEL NO.	OWNER	AREA
98-B-7	A&B REALTY TRUST	6,497 SQ. FT.



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