



Engineering Alliance, Inc.

Civil Engineering & Land Planning Consultants

194 Central Street 1950 Lafayette Road
Saugus, MA 01906 Portsmouth, NH 03801
Tel: (781) 231-1349 Tel: (603) 610-7100
Fax: (781) 417-0020 Fax: (603) 610-7101

August 13, 2020

Denise Gaffey
City Planner &
Director of Community Development
City of Melrose
362 Main Street, 2nd Floor
Melrose, MA 02176

Re: EAI Project #: 19-29908
Site Plan Review: Multi-Use Building
272 Tremont Street
Melrose, Massachusetts

Dear Ms. Gaffey,

On behalf of our client, Eric Kenworthy, Engineering Alliance is pleased to submit revised plans for the project located at 272 Tremont Street (Tax Map C12 Block 0 Lot 9) in Melrose, Massachusetts for your review. Included with this letter, please find the following:

- One copy of the plan set entitled "Proposed Site Plans, 272 Tremont Street, Melrose, Massachusetts" dated January 8, 2020 with revisions through August 11, 2020.
- One copy of the figures entitled "AutoTURN Figures" dated August 11, 2020.
- One copy of the document entitled "Drainage Calculations and Stormwater Management Plan" dated January 15, 2020 with revisions through August 12, 2020
- One copy of the document entitled "Sewage Flow Calculations" dated January 15, 2020

The plans have been revised in response to comments provided in a memorandum prepared by Elena Proakis Ellis (DPW Director/City Engineer) and Jason Coy (Deputy Engineer) dated July 15, 2020. The original comment from the City Engineer has been included in *italics* for clarification, followed by each response:

Right-of-way Comments

1. *Any work performed within the City's right-of-way will require a permit from the DPW Engineering Division by a bonded and insured contractor.*

Response: General Utility Notes have been added to sheet C-4 entitled "Grading, Drainage & Utility Plan." Under the General Utility Notes, note #5 states: "All utility work within any right-of-way shall be performed by a contractor licensed by the DPW & obtain a permit for such work from the DPW."

2. *The existing curb cut is contiguous with that of the adjacent garage, resulting in a very wide opening. If it is possible to separate the two openings while leaving adequate width driving distance at both entrances, this is preferred. Any changes to the proposed curb cuts or addition of radius blocks to separate the two driveways should be reviewed in the field with the Engineering Division prior to installation.*

Response: The proposed plan includes the addition of two d-stones to separate the proposed development from the adjacent garage. The change results in a sixteen foot (16') access curb cut for the proposed development and a thirty foot (30') curb cut for the adjacent garage. Additionally, a series of notes have been added to sheet C-3 entitled "Site Layout Plan" under "Notes." Note #1 in this section states the following: "Any changes to proposed curb cuts or addition of radius blocks to separate the proposed

driveway from the adjacent garage are to be reviewed in the field with the Engineering Division prior to installation.”

- 3. All elements within the right-of-way must meet any applicable ADA requirements for accessibility.*

Response: Note #2 on sheet C-3 states the following: “All elements of the right-of-way must be restored to meet all ADA accessibility requirements.”

- 4. Mark-outs of utilities will be required prior to any site work, both onsite and within the right-of-way.*

Response: General Utility Note #1 on sheet C-4 includes the following: “...The location of all underground utilities and structures shall be verified in the field by the contractor prior to state of construction. The contractor must contact the appropriate utility company, any governing permitting authority, and “DIGSAFE” at least 72 hours prior to any excavation work to request exact field location of utilities. Utilities both onsite and within the right-of-way shall be marked out prior to construction...”

- 5. Any disruption or damage to sidewalks, pavement, and/or pavement markings due to the project will necessitate replacement with new, meeting the City’s standards.*

Response: Note #3 on sheet C-3 states the followings: “The contractor is responsible for any disruption and/or damage to existing sidewalks, pavement and pavement markings. Any disruption and/or damage to these items will be required to be replaced in accordance with the City of Melrose Standards.”

- 6. Based on the City’s 2020 Roadway Condition Assessment, Tremont Street in this area is in “good/excellent” condition. Due to the good condition of the roadway, curb-to-curb restoration on Tremont Street will be required where any work is performed from one-foot beyond the limits of trenches at each end of the paving area. Specific details of this restoration will be dictated by the Engineering Division via the right-of-way permit that will be required to be obtained for the project but will likely include mill and inlay.*

Response: A limit of proposed mill and inlay has been added to sheets C-3 and C-4. The limits of the mill and inlay correspond to one foot (1’) beyond the trench excavations on either side of the paved area for the proposed utilities. Additionally, General Utility Note #12 on sheet C-4 states the following: “Any work performed within the Tremont Street right-of-way will require curb-to-curb restoration per the City’s 2020 Roadway Condition Assessment. Restoration will be required from one-foot beyond the limits of trenches at each end of the paving area. Details of the restoration will be dictated by the Engineering Division via a right-of-way permit required to be obtained for the project.”

- 7. The construction management plan has been reviewed, and we concur with the items specified in the plan, including items pertaining to offsite parking for employees, maintenance of safe pedestrian access, and performing utility work during off-peak daytime hours. Please also note that any applicable COVID-related requirements will need to be met during construction.*

Response: The applicant acknowledges that during construction, any and all COVID-related requirements will need to be met.

8. *We understand from the application that bike racks are proposed as part of the project. We support the inclusion of bike racks, especially given the proposed uses in the building and the proximity to the City's north-south bike route on Tremont Street.*

Response: This comment does not require additional response.

9. *The traffic management plan has been reviewed. We are pleased to see the inclusion of covered bike racks and the provision of MBTA passes for one month to all new residents, to encourage the use of nearby transit options, etc. We recommend that the passes provided allow for travel on the MBTA commuter rail from Melrose Highlands to North Station.*

Response: The applicant agrees to provide MBTA passes for one month to all new residents will allow for travel on the MBTA commuter rail as requested.

10. *All work must be performed to the City's standards for both roadway and sidewalk areas, and any disturbed areas, including both within and outside the work areas shown on the plans, shall be restored to the City's satisfaction. All sidewalks along the project's frontage shall be replaced at the conclusion of site work to concrete sidewalks in accordance with City standards.*

Response: General Utility Note #4 on Sheet C-4 states the following: "All proposed work shall be performed in full compliance with the City of Melrose, and is subject to quality control testing at the discretion of the engineering department at the expense of the contractor. The contractor shall notify the City of Melrose D.P.W. prior to the commencement of any utility work."

11. *Please note that the Melrose Traffic Code prohibits parking on Tremont Street along the frontage of this building.*

Response: Note #4 on Sheet C-3 states the following: "Per the City of Melrose Traffic Code, no on-street parking will be allowed along the frontage of the proposed building."

12. *Please note that it is the property owner's responsibility to shovel snow from the sidewalks abutting the property and to handle onsite snow plowing/removal. No snow from the private property shall be placed within the City's right-of-way.*

Response: Note #5 on Sheet C-3 states the following: "The owner is responsible for the removal and/or disposal of all accumulated snow within the sidewalks abutting the subject property and onsite. No snow shall be placed within the City's right-of-way."

13. *Given the size of the building, it is the applicant's responsibility to provide trash and recycling hauling from the building. The building should include an area for storage of recycling, to encourage recycling. Items that are not picked up curbside can be brought to the City Yard by residents to be recycled.*

Response: Trash and recycling hauling from the building will be provided via a privately contracted company that will service the new development on a regular basis. Schedule will be determined by the privately contracted company. An area within the proposed trash room will be designated for recycling and notice will be posted that items not picked up curbside can be brought to the City Yard to be recycled.

14. *Pedestrian access must be maintained throughout construction and must be protected during demolition of the existing building to protect public safety. Bicycle access on Tremont Street should also be maintained, along the City's north-south bike route.*

Response: Note #6 on Sheet C-3 states the following: "Pedestrian access is to be maintained throughout construction and must be protected during demolition of the existing building. Bicycle access on Tremont Street should be maintained along the City's north-south bike route."

15. *Any police and fire details required as part of the project are the responsibility of the applicant.*

Response: The applicant acknowledges the responsibility for any police and fire details related to this project.

16. *The City encourages the planting of trees along the frontage of the project as shown. Installation of any plantings in the right-of-way should be coordinated with the Engineering Division prior to their installation. Species should be selected such that they are not likely to lift sidewalk panels.*

Response: Two new street trees are proposed along Tremont Street in front of the proposed project. All other plantings are contained within the property lines and are chosen for their low height as to avoid potential vision issues entering and existing the driveway. Applicant will work with the City to choose tree species that match existing tree lien and do not cause sidewalk damage.

Drainage Calculations and Stormwater Management

17. *Soils on site are classified as Urban Land, and thus a Hydrologic Soil Group of C was used to calculate runoff. However, infiltration calculations use a Rawls Rate of 2.41 in/hr, which coincides with a hydrologic soil group of A. Please revise the calculations to use a Rawls rate for C soils or conduct an infiltration test on site to confirm actual site conditions.*

Response: An on-site soil investigation was performed by Engineering Alliance, Inc. on Friday, July 31, 2020. Two test pits were excavated in areas that would not impede incoming and exiting parking/traffic that currently exists on the site. Soils encountered within both test pits consisted of sandy loam top soil underlain by a loamy sand layer and ultimately transitioning to a coarse sand layer in the substratum. These conditions were encountered in both test pits which signify consistency throughout the property. Additionally, a percolation test was performed in the sand layer of Test Pit #1. The sand yielded a percolation rate of less than 2 min/inch (30 in/hr). As a result and as a conservative measure, the infiltration rate in the HydroCAD model has been revised to 8.27 in/hr corresponding to a sand texture class based on Rawls Rate.

18. *The Erosion and Sedimentation Control section references haybales and straw wattles. Please clarify which will be used and show them on a plan. If bales are to be used, please reference straw bales instead. Haybales can contain seeds so we prefer straw bales. Please add the erosion and sedimentation control to the plans.*

Response: The section entitled Erosion and Sedimentation Control has been revised to reference straw bales as requested. All documentation now references the use of straw bales and siltation fence. A new sheet entitled "Erosion Control & Demolition Plan" has

been added to the set and numbered sheet C-2. This plan shows the location of proposed straw bales and siltation fence along with demolition information.

19. Please include pre-and-post impervious areas and water quality volume calculations.

Response: The total impervious area in the pre-development condition is 8,020 square feet (s.f.). The total impervious area in the post-development condition is 9,742 square feet (s.f.). This results in an increase of 1,722 square feet of impervious area. Pre-development and post-Development impervious areas can also be found within the summary pages of the corresponding HydroCAD reports. Additionally, water quality volume calculations have been provided in Appendix D of the revised Drainage Report.

20. The 36-inch perforated pipe infiltration system has a static volume of 421 CF. All storm events show a surplus of runoff flowing into the system. Please explain how the overflows are managed.

Response: The 36-inch perforated pipe infiltration system has been removed and replaced with a system consisting of two (2) rows of six (6) Cultec 330XL HD chambers (System P1). This system has been sized to accommodate and reduce peak rates and volumes for all storms up to and including the 100-year storm event. The system has been sized to hold and infiltration the entire 25-year storm event with minimal discharge in the 100-year event. It is anticipated that in a 100-year storm event, the storm system will back up and overtop each CDS unit grate and drain off site via surface flow.

21. The Cultec infiltration system has a static volume of 394 CF. The 25- and 100-year storm events have a surplus of runoff flowing into the system. Please explain how the overflows are managed.

Response: The proposed Cultec infiltration system has been revised to include an 8.27 in/hr infiltration rate based on the sand soil layer encountered during on-site investigation. The revision of the infiltration rate allows for this system (System P2) to hold and infiltrate all storms up to and including the 100-year storm event.

22. Please include rainfall maps in the appendices. We request that the applicant use the NOAA Atlas 14 rainfall data.

Response: Rainfall data used in the TR-20 HydroCAD modelling has been revised to NOAA Atlas 14 rainfall data. Rainfall information obtained from the NOAA website has been added as Appendix E to the revised drainage report.

23. Melrose measures projects according to language in the zoning code pertaining to Site Plan Reviews that states that, to the extent practicable, stormwater best management practices "shall be sized to capture, retain, and percolate to ground all runoff from impermeable surfaces generated by the five-year, twenty-four hour storm event. Preferred BMPs shall include, but not be limited to, constructed wetlands, pocket wetlands, rain gardens, vegetated swales, retention/detention ponds, and subsurface leaching systems." Furthermore, the code references other low-impact design elements such as "porous pavements, bioretention cells, infiltration trenches, rainwater collection cisterns, and other design methods that maximize the use of landscaped areas for stormwater control and promote the reuse of runoff." The applicant should provide a written statement indicating whether the project meets these requirements.

Response: The proposed stormwater management systems have been revised to retain and infiltrate the 5-year, 24-hour storm event as provided by NOAA rainfall data.

HydroCAD models for the proposed condition have been added to the drainage report for the 5-year event. Additionally, a pervious paver strip has been added along the northerly property line to incorporate low impact design (LID) measures and provide additional stormwater mitigation measures.

24. *The proposed development is required to meet all components of the City's Stormwater Management Plan. In particular, the applicant should be aware of the construction site monitoring that will take place to ensure sedimentation and erosion controls are adequate.*

Response: The applicant is aware of the construction site monitoring that will take place during construction as part of the City's Stormwater Management Plan. Erosion and sedimentation controls will be installed and maintained as required per the Operations and Maintenance Plan.

25. *The property owner will be responsible for all maintenance requirements for each of the elements of the stormwater management system. Evidence of proper maintenance will be required to be submitted to the City annually. The City should have the right to enter and maintain all stormwater systems if adequate maintenance of the systems is not being performed, with costs being assumed by the owner.*

Response: As stated in the Operations and Maintenance Plan, the owner will be responsible for all maintenance requirements of all stormwater management features. A maintenance log has been added to the Operations and Maintenance plan listing each stormwater management feature. This log will be required to be submitted to the City annually. The owner relinquishes the right to enter and maintain all stormwater systems to the City should they not be maintained properly.

26. *Any areas receiving runoff from outdoor pervious areas should include treatment for oil/grease.*

Response: No stormwater management systems will receive runoff from pervious areas without proper treatment. Pervious areas that are graded toward stormwater management features will drain to water quality manholes installed prior to entering subsurface infiltration systems.

27. *The Operations and Maintenance plan for all stormwater systems must include a checklist of the manufacturer's recommendations and the specified maintenance frequency, for the future owners to use as a guide.*

Response: Standard Operations and Maintenance brochures for the Contech CDS units and Cultec recharge chambers have been provided in Appendix C of the Drainage Report immediately following the Operations and Maintenance Log.

Site Layout Plan

28. *Please provide an auto-turn, or similar, analysis showing the vehicle paths for all applicable vehicles for the following conditions:*
- a. *Entering and exiting the site*
 - b. *Entering and exiting the parking stalls*
 - c. *Entering and exiting the building parking area from and onto the driveway*

Response: Two figures have been prepared demonstrating the AutoTURN movements for a standard passenger vehicle. Fig. 1 entitled "AutoTURN Figures I" includes vehicles

entering and exiting the site and entering and exiting the parking stalls. Fig. 2 entitled "AutoTURN Figures II" includes vehicles entering and exiting both parking areas to the proposed access driveway. A standard passenger vehicle is capable of making all turning movements without being impeded by any of the proposed building and/or site features.

Grading, Drainage, and Utility Plan

29. *Please label all pipe sizes, materials, and slopes.*

Response: All pipe sizes, materials, and slopes have been added to the proposed storm drain and sewer lines shown on the plan.

30. *CB#2 shows 1.8 feet (21.6") from rim to invert. However, the shallow catch basin detail shows 14" to top of pipe. Assuming 12" HDPE, rim to invert would be approximately 2.25' (27") minimum. Please confirm the constructability of this structure.*

Response: All catch basins previously shown on the plan have been removed and replaced with CDS water quality units with grate inlets. The minimum rim to invert distance for a CDS unit is three feet (3'). All CDS units now include at least three feet (3') rim to invert as required.

31. *Please confirm minimum rim to inverts for the CDS/treatment units.*

Response: Minimum rim to inverts for CDS treatment units is three feet (3') per discussion with the manufacturer. All CDS rims and inverts have been updated to maintain at least three feet (3') rim to invert.

32. *All frames, covers, and grates shall meet Melrose current casting material specifications. Please specify the models to be used on the details.*

Response: Catch basin and drain manhole details have been removed from the Construction Details as they are no longer proposed for this project. All drain inlets will consist of Contech CDS units with grate inlets. A note has been added to the CDS detail stating that grate inlets are to meet all current Melrose casting material specifications.

33. *Please show the location of the new valves and curbstops on the proposed water/fire lines.*

Response: The location of the new valves and curbstop have been added to the proposed water and fire lines.

34. *Please confirm that all proposed utility crossings will not impact the MWRA sewer.*

Response: All proposed utility crossings will not impact the MWRA sewer main. The proposed utilities have been designed to minimize impact in the vicinity of the MWRA main. The Applicant also acknowledges that coordination with the MWRA and an 8(m) permit will be required prior to construction.

35. *Please note that crossing the MWRA sewer will require an 8(m) permit prior to construction. This will be the responsibility of the applicant.*

Response: This comment is acknowledged by the applicant. An 8(m) permit will be applied for prior to construction.

Sewer System Comments

36. *Please show all service connections, sizes, slopes, and pipe materials. Please include sewer service connection and cleanout details on the plans. The plan appropriately shows a new sewer service extending from the proposed building to the City sewer main.*

Response: The proposed size, slope and pipe material have been added to the plans. Corresponding details have been added to the details sheets including: sewer service at main detail and sewer service at building detail.

37. *Calculations should be provided to confirm the appropriateness of the size of the proposed sewer service to handle future peak flows.*

Response: The proposed sewer service is to be a 6" PVC SDR-35 sewer service laid at 3.8% from the building invert to the invert at the sewer main. Based on this information, the full capacity flow rate of the proposed sewer service is 1.2 cubic feet per second (cfs). Converting 1.2 cfs to gallons per day (gpd) results in a total flowing full capacity of 775,580 gpd which far exceeds the anticipated 2,670 gpd proposed.

38. *All frames, covers, and grates shall meet Melrose current casting material specifications. Please specify the models to be used on the details.*

Response: A note has been added to the gas trap detail stating that all covers are to meet all current City of Melrose casting material specifications.

39. *If any garage drains are proposed to be connected to the sanitary sewer, an oil/water separator must be included. The maintenance schedule and protocol for this structure should be included in the O&M plan, and documentation of its cleanout will be required by the City.*

Response: A proposed gas trap has been provided to capture runoff from garage drains prior to discharge to the sanitary sewer system. The gas trap has been added to the Operations and Maintenance Plan and the plan log.

40. *If a restaurant use is contemplated for the commercial space, any grease traps must meet all state and local requirements to ensure grease is not improperly discharged to the sanitary sewer system.*

Response: Restaurant use is not anticipated for the commercial space at this time. The applicant understands that if any point a restaurant is considered to occupy the commercial space, an exterior grease trap will need to be proposed and submitted to the Engineering Division for approval.

41. *The existing sewer service must be cut and capped at the sewer main, unless the same connection point is proposed to be used.*

Response: The existing sewer service location has been added to the plan and a note has been included on the Grading, Drainage and Utility plan stating to cut and cap the existing service at the sewer main located in Tremont Street.

42. *Prior to the issuance of any building permits, the applicant will be required to pay a one-time infiltration/inflow (I/I) fund contribution. The current cost for this fee is \$6.89 per gallon-per-day (gpd), calculated using the Title 5 flow of 110 gallons per bedroom per*

day. For any non-residential space, Title 5 calculations will also be used to determine both existing and proposed flows. The final calculations and fee assessment will be made by the Engineering Division based on floor plans submitted by the applicant for the proposed conditions, and Assessor's Department records for the current conditions.

Response: A document entitled "Sewage Flow Calculations" has been included with this submission. The sewage flow calculations provided are based on the Massachusetts Title V sewer estimated sewer flows per building use. The existing sewer flow for the building is estimated at 990 GPD, whereas the proposed sewer flow for the new building is 2,670 GPD. The applicant acknowledges the requirement to pay a one-time fee based on the *increase* in flow to the sewer main. The total increase in flow is approximately 1,680 GPD. Based on the requirement of \$6.89 per gallon-per-day (gpd), the required fee is \$11,575.20.

Water System Comments

- 43. Our records indicate that the property contains a new water meter. Please ensure that any water meters installed or replaced as part of this project include the radio-read technology that is presently the city standard.*

Response: A note has been added as Note #13 under the General Utility Notes section on sheet C-4 stating the following: "All water meters installed or replaced as part of the project shall include radio-read technology as per City of Melrose Standards."

- 44. Any required backflow prevention devices must be registered for routine inspections with the City's subcontractor, Water Safety Services Inc. in Woburn, MA. The applicant must contact Bob Heitz or Joe Heitz at Water Safety Services to add this address to the inspection list should cross-connection controls be required. They can be reached at 781-932-8787.*

Response: A note has been added as Note #14 under the General Utility Notes section on sheet C-4 stating the following: "All backflow prevention devices must be registered for routine inspections with the City of Melrose's subcontractor, Water Safety Services Inc."

- 45. The site plans appropriate show two separate new domestic and fire services. The site plans show a proposed new 2-inch domestic service as well as a 4-inch fire service, connecting to the water main in Tremont Street. This work should be performed using wet taps; planned disruption of water service will not be allowed.*

Response: A note has been added as Note #15 under the General Utility Notes section on sheet C-4 stating the following: "Installation work for all domestic water and fire services shall be performed using wet taps. Planned disruption of water service will not be allowed."

- 46. The existing water service must be cut and capped at the main with the corporation shut off.*

Response: The existing water service location has been added to the plan and a note has been included on the Grading, Drainage and Utility plan stating to cut and cap the existing service at the water main located in Tremont Street.

47. *Calculations should be provided supporting the proposed size of the water services (both domestic and fire). Oversized domestic services can create water quality problems, therefore the sizing should be based on estimated water use.*

Response: Calculations for the sizing of the proposed domestic water service and the fire service will be provided by a mechanical engineering during the building permit process. Based on previous project experience with developments of similar size, we estimate that these sizes will be sufficient for the proposed development.

48. *No unmetered water use during construction is allowed. If construction water is needed from the adjacent hydrant, this must be coordinated with the Melrose Fire Department and Water Division. Please note that the Engineering and Water and Sewer Divisions have a checklist for demolition requirements which includes information about metering construction water usage. This checklist must be obtained and returned signed to the Engineering Division prior to our sign-off on any demolition permits.*

Response: A note has been added as Note #16 under the General Utility Notes section on sheet C-4 stating the following: "No unmetered water use during construction is allowed. If construction water is needed from an adjacent hydrant, this must be coordinated with the Melrose Fire Department and Water Division. A checklist for demolition requirements must be obtained, signed and returned to the Engineering Division prior to sign-off of any demolition permits."

49. *If the units of this building will be rentals, all water and sewer usage will fall under one account. However, we recommend private submetering within the building to allow for individual unit water usage to be measured and to encourage conservation. If submetering is performed, we recommend all meters to individual units be located in a common location, preferably close to the master meter for the property, to minimize discrepancies. If the residential units will be condominiums, separate accounts are allowable provided all related state law requirements for submetering are met.*

Response: The project will consist of apartments for rent. The applicant intends to install sub meters for each unit adjacent to the master meter.

50. *The applicant should perform a flow test to confirm that adequate pressure and volume exist for the proposed fire service.*

Response: A hydrant flow test will be scheduled and performed prior to issuance of a building permit to confirm adequate pressure and volume exist for the proposed fire service. Results of the test will be submitted to City immediately upon completion. If necessary, revisions to the proposed utility plans will be updated immediately based on these results and submitted to the City.

51. *Please show all water service connections, sizes, and pipe materials. Please include a water service connection detail on the plans. All services should maintain at least a 10-ft separation from sewers.*

Response: The proposed size and pipe material have been added to the plans. Corresponding details have been added to the details sheets including: typical water service connection detail, water gate detail, and tapping sleeve and valve detail.

Comments on Details Sheet

52. *Please make sure all text is legible. There are a few cases of lines and leaders going through text.*

Response: Plans have been reviewed and revised to ensure legibility of all sheets and callouts.

53. *Please include the details noted above.*

Response: The details requested have been added to the plans.

Other Utility Comments

54. *The applicant must work with National Grid to finalize the electrical and gas connections to the property. Such connections shall meet any applicable permit requirements and should be added to the drawings. The project should also be careful to adhere to all setback requirements from overhead electrical wires. The proponent should work with National Grid early in the process to confirm the availability of the capacity of the necessary utilities.*

Response: The applicant acknowledges that coordination with National grid will be required for the electrical and gas connections to the property. These connections will meet any and all applicable permit requirements. During the building permit process and after coordination with National Grid, plans demonstrating the location of gas and electrical services will be provided to the Engineering Department for record.

55. *A grant-of-location may be required from the Melrose Board of Aldermen if any new electrical conduit is required beneath the right-of-way.*

Response: The applicant acknowledges that a grant-of-location may be required from the Melrose Board of Aldermen for new electrical conduit. If required, coordination with the Board of Aldermen and Engineering Department will be established at that time.

Other Comments

56. *Any/all alterations to utilities serving the property will require that permits be obtained by a bonded and insured contractor through the Engineering Division of Public Works. This also includes any trench work required and all work within the right-of-way. Permits can be obtained by calling 781-979-4172.*

Response: A note has been added as Note #17 under the General Utility Notes section on sheet C-4 stating the following: "Any/all alterations to utilities serving the property will require that permits be obtained by a bonded and insured contractor through the Engineering Division of Public Works. This includes trench work required and all work within the right-of-way."

57. *At the conclusion of construction, an as-built drawing showing all utilities as installed (including both rims and inverts, as well as any abandoned utilities remaining in place) shall be submitted to the Engineering Division for our records. As-built plans shall include final locations, materials, and sizes of all utilities and other features as deemed necessary by the City. Any revisions required by the City shall be made, and final hard copies and electronic files must be submitted of the final as-built plans.*

Response: Note #11 under the General Utility Notes on sheet C-4 states the following:
“The contractor shall be responsible for site restoration and clean up upon completion of the project and shall submit as-built drawings showing all utilities as installed. Any revisions required by the City shall be made and final hard copies and electronic files must be submitted of the final as-built plans.”

Upon review of this information, should you have any questions, comments, or require any additional information, please do not hesitate to contact this office. Thank you for your consideration in this matter.

Very Truly Yours,

ENGINEERING ALLIANCE, INC.

A handwritten signature in black ink, appearing to read 'Eric Bradanese', written in a cursive style.

Eric Bradanese, P.E.
Senior Project Manager

Copy to:

EAI File #:19-29908