

Date of Addendum No 9: August 25, 2022

Previous Issue:

Addendum No 8 – August 23, 2022
Addendum No 7 – August 19, 2022
Addendum No 6 – August 12, 2022
Addendum No 5 – August 9, 2022
Addendum No 4 – August 8, 2022
Addendum No 3 – August 5, 2022
Addendum No 2 – August 3, 2022
Addendum No 1 – July 29, 2022
Construction Documents – July 22, 2022

Owner

Town of Pembroke, MA
128 Center Street
Pembroke, MA Boston, MA 02359

Owners Representative

Compass Project Management
One Edgewater Drive, Suite 204
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Architect

Bargmann Hendrie + Archetype
9 Channel Center Street, Suite 300
Boston, MA 02210

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents dated July 22, 2022, Addendum No 1 dated July 29, 2022, Addendum No 2 dated August 3, 2022, Addendum 3 dated August 5, 2022, Addendum 4 dated 8 August 2022, Addendum 5 dated August 9, 2022, Addendum 6 dated August 12, 2022, Addendum 7 dated August 19, 2022, and Addendum 8 dated August 23, 2022.

Acknowledge receipt of this Addendum in the space provided in the appropriate space on the Form for General Bid and Form for Sub-Bid. Failure to do so will be subject to Bidder disqualification.

Attachments:

Specifications: 4 project manual sections are revised in this Addendum. Included in full is the Table of Contents and 1 reissued Figure diagram (single page).

Drawings: 10 drawings are revised as noted in this Addendum. Included in full are 9 reissued sheets.

RFIs: 9 Responses to Bidder Questions are included.

SPECIFICATIONS (PROJECT MANUAL)

1. **TABLE OF CONTENTS**
 - A. Add line 00909 to reflect Addendum No. 9
2. **00417 – UNIT PRICE PROPOSAL SHEET** (previously revised in Addendum 8)
 - A. For clarification - In the Schedule of Unit Prices (Earthwork), after “Disposal” add “(inclusive of excavation, stockpiling, and disposal)”
3. **012200 – UNIT PRICES** (previously revised in Addendum 8)
 - A. Revise paragraph 1.4 B – replace “Appendix 012201 – Unit Price Proposal Sheet” with “00417 – Unit Price Proposal Sheet”.
 - B. Replace paragraph 1.4.E - replace in full with: “Refer to Document 00100 – Instruction to bidders, document 00415 – Form for General Bid, and Document 00416 – Form for Sub-Bid, for additional information regarding unit prices and estimated quantities.”
 - C. Revise paragraph 3.1 F - Unit Price 6: Earthwork Disposal – after “Measure of 1 Ton” add “, inclusive of excavation, stockpiling, and disposal,”
4. **092003 – DIV 02 – AVAILABLE PROJECT INFORMATION, GEOTECHNICAL ENGINEERING REPORT**
 - A. Replace Figure 2, Exploration Location Plan to more accurately reflect the approximate location of the proposed Community Center. This Figure (single page) is attached and include with this addendum (Addendum 9).

DRAWINGS

CIVIL

1. **C602 – SITE DETAILS**
 - A. Change detail title: “Dumpster Pad Detail Detail” to “Dumpster Pad and Generator Pad Detail”
 - B. Add the following notes below the detail:
 1. “4. Actual size of pad shall be coordinated/verified with Architect/Engineer prior to construction. Submit for review, shop drawings that show equipment selected and pad dimensions. Provide for any openings required. Generator pad width shall be width of generator set skid plus 24” (note: generator size varies between manufactures.)”

STRUCTURAL

2. **S001 – GENERAL NOTES AND ABBREVIATIONS**
 - A. Revisions to Note S3 – Steel Grades.
3. **S101 – FIRST FLOOR/FOUNDATION PLAN**
 - A. Add three PSL posts.
 - B. Revise Notes 2 and 7 for clarification of foundation elevations.
 - C. Add note on plan for slab on grade control joints.

4. S102 – SECOND FLOOR FRAMING PLAN
 - A. Revisions to wood floor framing for coiling grille support.
 - B. Revisions to steel floor framing for overhead door support on Line 6.
 - C. Delete PSL post up on Line 3.6 near elevator shaft.
5. S103 – ROOF FRAMING PLAN
 - A. Add note for heavy duty hanger to elevator shaft at end of LVL on Line 6.
6. S303 – GYM TRUSS ELEVATIONS AND DETAILS
 - A. Revise Gym Truss member sizes and add truss forces.
 - B. Add typical connection weld information to Detail A.
 - C. Revise Gym Truss Bracing member sizes, add EVSS designation and add brace forces.
7. S501 – FRAMING SECTIONS II
 - A. Clarify typical ledger attachment in Section 4.
 - B. Add sloped bottom joist hangers in multiple sections.
8. S503 – FRAMING SECTIONS III
 - A. Add cleat and framing angles to over framed roof in Section 12.
9. S504 – FRAMING SECTIONS IV
 - A. Clarify typical ledger attachment in Section 8 and add sloped bottom joist hanger.
10. S505 – FRAMING SECTIONS V
 - A. Add supplementary steel for barn door and overhead door in Section 3.

REQUESTS FOR INFORMATION

The following is a summary of requests for information, questions and inquiries by Plan Holders. A clarification with no change to the Documents are answered below. Responses that require a change to the Contract Documents have been included in the Addendum Changes.

1. Questions Related to Equipment Screen
 - A. Is there a specific specification for the Equipment Screen?
Response: Materials are identified on drawings – refer to 3/A410 revised in Addendum 4.
 - B. Please provide a spec for the acoustical panels at the roof equipment screen.
Response: There are no acoustical panels at the roof equipment screen. Refer to 3/A410 revised in Addendum 4.
2. Question Related to Scoreboards
 - A. Looking at drawing A102 there is mention of a scoreboard, but the spec's aren't calling any out. Is there a scoreboard going out to bid?
Response: scoreboards are not in contract and will be provided by the Owner. The infrastructure (power and support) for future install are included as indicated.

3. Question Related to Elevator and Schedule

- A. Addendum #7 changed the Elevator Trade from a Filed Sub-bid Trade to the responsibility of the General Contractor. There are only 1 ½ weeks to the General Bid and we need at least 3 weeks to solicit and obtain pricing from Elevator Subcontractors. Please extend the GC bid date to after Labor Day.

Response: Please reach out to the pre-qualified contractor who is aware of the project. The bid period remains as revised in Addendum 3.

- B. The question of a tentative start date of this project has been previous requested, but no defined answer has been given to date. The GC's need this information to determine the schedule and carry the cost for winter conditions if necessary. Please provide an approx. start date.

Response: These questions have already been addressed in previous addenda: Addendum 4 – noted the NTP will be issued on or before 10/31/22; Addendum 6 – Changed the project duration from 14 months to 16 months to account for winter conditions.

4. Question Related to Septic System Tanks

- A. Please provide the Septic System Plans and details of all the Precast concrete tanks.

Response: Refer to Civil drawings and Specification Section 333600 – Septic Tank Systems for scope of work related to the construction of the entire soil absorption system, and specifically Specification Section 333600, paragraph 3.05 Precast Structures for information related to the Precast Concrete Tanks.

5. Question Related to Fire Extinguisher Cabinets

- A. Please provide location of the fire extinguishers and cabinets. We need to know the quantity.

Response: Provide fire extinguisher cabinets per code – Allow for 8 on the first floor and 6 on the second floor for a total of 14 cabinets.

6. Question Related to Door Trim

- A. Is wood trim required at the door frames? There is a detail, but the door schedule doesn't indicate which detail applies to a particular door frame.

Response: Provide interior wood trim typical at fiberglass doors, refer to revised sheet A600 issued in Addendum 2. Hollow metal frames do not require interior wood trim.

7. Question Related to Porch Ceilings

- A. Is a finish ceiling required at the porches or is it open to the roof rafters?

Response: The porch ceilings are to be exposed to structure, painted.

8. Question Related to the Generator Pad

- A. Sheet C501 refers you back to the electrical drawings for details of the Generator Pad but there are no details. Are we to assume the detail for the Dumpster pad applies to the Generator Pad

Response: Yes, use the dumpster pad detail on C602 for the generator pad. E001 refers back to Civil Drawings for the pad detail (see general note to the left of the transformer, middle of the sheet). Refer also to revised Civil Drawing issued in this addendum (Addendum 9).

9. Questions Related to the Geotechnical Report

- A. The Geotech provided 5 borings per the attached. The layout of the new and existing on this sheet doesn't correspond with the layout/location of the buildings on the Civil Drawings. Please provide the correct layout of boring on the civil drawings.

Response: The boring locations identified in the Geotechnical Report (Section 029003) are approximate in relation to the existing building. The proposed building layout shown on the boring plan should be disregarded. The existing building is shown on C401 as is the proposed new building footprint. The Exploration Location Plan has been revised and reissued in this addendum (Addendum 9).

- B. The Geotech report requires existing fill/unsuitable soils to be removed from the building footprint. Due to the limited borings/information provided, it is impossible to accurately calculate the volume of soils to be removed and replace. My suggestion is for the Architect to provide a volume to be carried in the base bid with and add/deduct unit price.

Response: Cut and fill is to be bid based on the documents issued, specifically but not limited to Civil, Structural and Architectural drawings, specifications, and the Geotechnical Report, included in Division 02 of the Project Manual. Refer also to Addendum 8 that requires unit costs for earthwork components, and clarification to disposal unit cost included in this addendum (Addendum 9).

END OF ADDENDUM NO. 9

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PROJECT MANUAL

TABLE OF CONTENTS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

PROCUREMENT REQUIREMENTS

		Author	First Issue	Revised Date
00110	Table of Contents	BH+A	7/22/22	7/29/22, 8/3/22, 8/5/22, 8/8/22, 8/9/22, 8/12/22, 8/19/22, 8/23/22, 8/25/22
00020	Invitation to Bid	ToP	7/22/22	7/29/22, 8/5/22
00100	Instructions to Bidders	ToP	7/22/22	7/29/22, 8/3/22, 8/5/22, 8/8/22, 8/12/22
00101	Supplemental instructions to Bidders for Submitting an Electronic Bid (E-Bid)	ToP	7/22/22	
	Additional Instructions for Electronic Bid	ToP	7/22/22	
00125	List of Prequalified Bidders	ToP	7/22/22	8/19/22
002113.05	Goals for Participation By MBE/WBE	ToP	8/5/22	
	A. Letter of Intent – MWBE Participation	ToP	8/5/22	
	B. Schedule for Participation - MWBE	ToP	8/5/22	
	C. Public Project MWBE Report	ToP	8/5/22	
002113.10	Pre-Bid Waiver of MBE/WBE	ToP	8/5/22	
00400	DCAMM Prime/General Update Statement	ToP	7/22/22	
	Cover page and DCAMM Form	ToP	7/22/22	
00401	DCAMM Sub-Bidder Update Statement	ToP	7/22/22	
	Cover page and DCAMM Form	ToP	7/22/22	
00402	Certifications Required by Law for Public Construction Contracts	ToP	7/22/22	
00415	Form of General Bid	ToP	7/22/22	
00416	Form of Sub Bid	ToP	7/22/22	
00417	Unit Price Proposal Sheet	ToP	7/22/22	7/29/22, 8/23/22, 8/25/22

CONTRACTING REQUIREMENTS

		Author	First Issue	Revised Date
00500	Form of Agreement Between Owner and Contractor	ToP	7/22/22	
	AIA A101 - 2017	ToP	7/22/22	
00501	Certificate of Vote	ToP	7/22/22	
00610	Construction Performance Bond	ToP	7/22/22	

00620	Construction Payment Bond	ToP	7/22/22	
00700	General Conditions	ToP	7/22/22	
	AIA 201-2017		7/22/22	
00750	Supplemental General Conditions for Construction AIA201-2017	ToP	7/22/22	
00800	Insurance	ToP	7/22/22	
00825	Prevailing Wage	ToP	7/22/22	
	Attachment A – Wage Rate Request	ToP	7/22/22	
	Attachment B – Commonwealth of Massachusetts Prevailing Wage Notices	ToP	7/22/22	
	Attachment C – Payroll Compliance	ToP	7/22/22	
	Attachment D – Payroll Reporting Form	ToP	7/22/22	
00850	Incorporation of Applicable Provisions of MA General Laws	ToP	7/22/22	
00901	Addendum No. 1	BH+A/KA	7/29/22	
00902	Addendum No. 2	BH+A/KA	8/3/22	
00903	Addendum No. 3	BH+A/KA	8/5/22	
00904	Addendum No. 4	BH+A/KA	8/8/22	
00905	Addendum No. 5	BH+A/KA	8/9/22	
00906	Addendum No. 6	BH+A/KA	8/12/22	
00907	Addendum No. 7	BH+A/KA	8/19/22	
00908	Addendum No. 8	BH+A/KA	8/23/22	
00909	Addendum No. 9	BH+A/KA	8/25/22	

SPECIFICATIONS

DIVISION 01 - GENERAL REQUIREMENTS

		Author	First Issue	Revised Date
011100	Summary of Work	BH+A/KA	7/22/22	8/3/22
011400	Work Restrictions	BH+A/KA	7/22/22	7/29/22
011400.1	Decision of the Planning Board	ToP	7/29/22	
011401	Electronic Release Form	BH+A/KA	7/22/22	
012200	Unit Prices	BH+A/KA	7/22/22	8/23/22, 8/25/22
012300	Alternates	BH+A/KA	7/22/22	
012400	Schedule of Values	BH+A/KA	7/22/22	
013100	Project Management and Coordination	BH+A/KA	7/22/22	
013119	Project Meetings	BH+A/KA	7/22/22	
013200	Construction Progress Documentation	BH+A/KA	7/22/22	
013300	Submittal Procedures	BH+A/KA	7/22/22	
013301	Substitution Request Form	BH+A/KA	7/22/22	
013543	Environmental Procedures	UEC	7/22/22	
014000	Quality Requirements	BH+A/KA	7/22/22	
014330	Mock-Ups	BH+A/KA	7/22/22	
015000	Temporary Facilities and Controls	BH+A/KA	7/22/22	
017329	Cutting and Patching	BH+A/KA	7/22/22	
017400	Construction Waste Management	BH+A/KA	7/22/22	

017700	Closeout Procedures	BH+A/KA	7/22/22	
017839	Project Record Documents	BH+A/KA	7/22/22	
018100	General Commissioning Requirements	ToP	7/22/22	
0181119	Indoor Air Quality Requirements	BH+A/KA	7/22/22	

DIVISION 02 - EXISTING CONDITIONS

		Author	First Issue	Revised Date
022820	Asbestos Remediation	UEC	7/22/22	
023000	Subsurface Investigation	BH+A/KA	7/22/22	
024100	Demolition	BH+A/KA	7/22/22	
029000	Div 02 – Available Project Information	BH+A/KA	7/22/22	
029001	Existing Building Plans	ToP	7/22/22	
029002	Existing Building Photographs	BH+A/KA	7/22/22	
029003	Geotechnical Engineering Report	MGA	7/22/22	8/25/22
029004	Flow Test	MELS	7/22/22	

DIVISION 03 – CONCRETE

		Author	First Issue	Revised Date
033000	Cast-In-Place Concrete	FBRA	7/22/22	
035412	Gypsum Cement Underlayment	BH+A/KA	8/3/22	

DIVISION 04 - MASONRY

		Author	First Issue	Revised Date
040001 *	Masonry Work	BH+A/KA	7/22/22	
042000	Unit Masonry (part of 040001 FSB)	BH+A/KA	7/22/22	

DIVISION 05 - METALS

		Author	First Issue	Revised Date
050001 *	Miscellaneous and Ornamental Iron	BH+A/KA	7/22/22	
051200	Structural Steel Framing	FBRA	7/22/22	
051226	Shear Connections	FBRA	7/22/22	
053100	Steel Decking	FBRA	7/22/22	
054000	Cold-Formed Metal Framing	BH+A/KA	7/22/22	
055000	Metal Fabrications (part of 050001 FSB)	BH+A/KA	7/22/22	
055100	Metal Stairs and Railings (part of 050001 FSB)	BH+A/KA	7/22/22	

DIVISION 06 - WOOD, PLASTICS AND COMPOSITES

		Author	First Issue	Revised Date
061000	Rough Carpentry	FBRA/BH+A	7/22/22	
061600	Sheathing	BH+A/KA	7/22/22	

* Filed Sub-Bid Required

061753	Shop Fabricated Wood Trusses	FBRA	7/22/22	
062010	Exterior Finish Carpentry	BH+A/KA	7/22/22	
064020	Interior Architectural Woodwork	BH+A/KA	7/22/22	
066400	FRP Paneling	BH+A/KA	7/22/22	

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

		Author	First Issue	Revised Date
070001 *	Waterproofing, Dampproofing and Caulking	BH+A/KA	7/22/22	
070002 *	Roofing and Flashing	BH+A/KA	7/22/22	
071100	Bituminous Dampproofing (part of 070001 FSB)	BH+A/KA	7/22/22	
071300	Sheet Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22	
071400	Fluid-Applied Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22	
071610	Crystalline Waterproofing (part of 070001 FSB)	BH+A/KA	7/22/22	
072100	Thermal Insulation	BH+A/KA	7/22/22	
072600	Vapor Retarder	BH+A/KA	7/22/22	
072700	Air Barriers (part of 070001 FSB)	BH+A/KA	7/22/22	
073113	Asphalt Shingles (part of 070002 FSB)	BH+A/KA	7/22/22	
074610	Fiber-Cement Siding	BH+A/KA	7/22/22	
075400	Thermoplastic Membrane Roofing (part of 070002 FSB)	BH+A/KA	7/22/22	
076200	Sheet Metal Flashing and Trim (part of 070002 FSB)	BH+A/KA	7/22/22	
077100	Roof Specialties (part of 070002 FSB)	BH+A/KA	7/22/22	
077200	Roof Accessories	BH+A/KA	7/22/22	
078410	Penetration Firestopping	BH+A/KA	7/22/22	
078440	Fire-Resistive Joint Systems	BH+A/KA	7/22/22	
079200	Joint Sealants (part of 070001 FSB)	BH+A/KA	7/22/22	
079500	Expansion Control	BH+A/KA	7/22/22	

DIVISION 08 - OPENINGS

		Author	First Issue	Revised Date
080002 *	Glass and Glazing	BH+A/KA	7/22/22	
081110	Hollow Metal Doors and Frames	BH+A/KA	7/22/22	
081400	Flush Wood Doors	BH+A/KA	7/22/22	
083110	Access Doors and Frames	BH+A/KA	7/22/22	
083310	Overhead Coiling Doors	BH+A/KA	7/22/22	
083320	Overhead Coiling Grilles	BH+A/KA	7/22/22	
083419	Fiberglass Doors and Frames	BH+A/KA	7/22/22	
085413	Fiberglass Windows	BH+A/KA	7/22/22	7/29/22
087100	Door Hardware	ASC	7/22/22	
088000	Glazing (part of 080002 FSB)	BH+A/KA	7/22/22	
089000	Louvers and Vents	BH+A/KA	7/22/22	

DIVISION 09 - FINISHES

		Author	First Issue	Revised Date
090002 *	Tile	BH+A/KA	7/22/22	
090003 *	Acoustical Tile	BH+A/KA	7/22/22	
090005 *	Resilient Floors	BH+A/KA	7/22/22	
090007 *	Painting	BH+A/KA	7/22/22	
092110	Gypsum Board Assemblies	BH+A/KA	7/22/22	
092120	Gypsum Board Shaft-Wall Assemblies	BH+A/KA	7/22/22	
093000	Tiling (part of 090002 FSB)	BH+A/KA	7/22/22	
095100	Acoustical Ceilings (part of 090003 FSB)	BH+A/KA	7/22/22	
096460	Wood Athletic Flooring	BH+A/KA	7/22/22	
096510	Resilient Flooring and Accessories (part of 090005 FSB)	BH+A/KA	7/22/22	8/3/22
096560	Resilient Athletic Flooring (part of 090005 FSB)	BH+A/KA	7/22/22	
096710	Resinous Flooring	BH+A/KA	7/22/22	7/29/22
096800	Carpeting	BH+A/KA	7/22/22	
099000	Painting and Coating (part of 090007 FSB)	BH+A/KA	7/22/22	

DIVISION 10 - SPECIALTIES

		Author	First Issue	Revised Date
101400	Signage	BH+A/KA	7/22/22	
102110	Toilet Compartments	BH+A/KA	7/22/22	
102220	Folding Panel Partitions	BH+A/KA	7/22/22	
102800	Toilet Accessories	BH+A/KA	7/22/22	
104100	Emergency Access and Information Cabinets	BH+A/KA	7/22/22	
104400	Fire Protection Specialties	BH+A/KA	7/22/22	
105600	Storage Shelving and Support Brackets	BH+A/KA	8/3/22	

DIVISION 11 - EQUIPMENT

		Author	First Issue	Revised Date
114000	Foodservice Equipment	CMI	7/22/22	
116620	Athletic Equipment	BH+A/KA	7/22/22	

DIVISION 12 - FURNISHINGS

		Author	First Issue	Revised Date
122400	Shades	BH+A/KA	7/22/22	
124815	Entrance Floor Mats	BH+A/KA	7/22/22	

DIVISION 14 - CONVEYING EQUIPMENT

		Author	First Issue	Revised Date
140001 *	Elevators	BH+A/KA	7/22/22	8/19/22
142100	Machine Roomless Passenger Traction Elevator (part of 140001 FSB)	BSq	7/22/22	
144000	Elevator Maintenance and Repair	BSq	7/22/22	

DIVISION 21 - FIRE SUPPRESSION

		Author	First Issue	Revised Date
210000 *	Fire Protection	ACE	7/22/22	

DIVISION 22 - PLUMBING

		Author	First Issue	Revised Date
220000 *	Plumbing	ACE	7/22/22	

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

		Author	First Issue	Revised Date
230000 *	Heating, Ventilating and Air-Conditioning	ACE	7/22/22	

DIVISION 26 - ELECTRICAL

		Author	First Issue	Revised Date
260000 *	Electrical	ACE	7/22/22	7/29/22
260100 *	Generator (part of 26000 FSB)	ACE	7/22/22	7/29/22

DIVISION 27 – COMMUNICATIONS

		Author	First Issue	Revised Date
270000 *	Communications General (part of 26000 FSB)	BTC	7/22/22	7/29/22
270526 *	Grounding and Bonding (part of 26000 FSB)	BTC	7/22/22	7/29/22
270528 *	Pathways for Communications Systems (part of 26000 FSB)	BTC	7/22/22	7/29/22
270553 *	Identification for Telecommunications Systems (part of 26000 FSB)	BTC	7/22/22	7/29/22
270813 *	Testing Copper Cables (part of 26000 FSB)	BTC	7/22/22	7/29/22
271000 *	Structured Cabling (part of 26000 FSB)	BTC	7/22/22	7/29/22
271100 *	Communications Equipment Room and Fittings (part of 26000 FSB)	BTC	7/22/22	7/29/22
271500 *	Communications Horizontal Cabling (part of 26000 FSB)	BTC	7/22/22	7/29/22
271600 *	Communications Connecting Cords Devices and Adapters (part of 26000 FSB)	BTC	7/22/22	7/29/22

DIVISION 28 – FIRE ALARM

		Author	First Issue	Revised Date
280000 *	Security (part of 26000 FSB)	BTC	7/22/22	7/29/22
	Schedule A, Camera Schedule	BTC	7/22/22	
283100 *	Fire Detection and Alarm System (part of 26000 FSB)	ACE	7/22/22	7/29/22

DIVISION 31 - EARTHWORK

		Author	First Issue	Revised Date
311000	Site Clearing	MELS	7/22/22	
312300	Earthwork	MELS	7/22/22	
312319	Dewatering	MELS	7/22/22	
312500	Erosion and Sedimentation Controls	MELS	7/22/22	
315000	Excavation Support and Protection	MELS	7/22/22	

DIVISION 32 - EXTERIOR IMPROVEMENTS

		Author	First Issue	Revised Date
321216	Asphalt Paving	MELS	7/22/22	
321313	Cement Concrete Handicap Ramps	MELS	7/22/22	
323000	Site Improvements	KZLA	7/22/22	
323129	Wood Fences	KZLA	7/22/22	
328413	Irrigation (Alternate #1)	KZLA	7/22/22	
329000	Planting	KZLA	7/22/22	
329113	Planting Soil	KZLA	7/22/22	
329219	Turf and Grasses	KZLA	7/22/22	

DIVISION 33 - UTILITIES

		Author	First Issue	Revised Date
331000	Water Systems	MELS	7/22/22	8/5/22
333000	Sanitary Sewerage Utilities	MELS	7/22/22	
333600	Septic Tank Systems	MELS	7/22/22	
334000	Storm Drainage Utilities	MELS	7/22/22	

AUTHOR REFERENCE:

ToP	Town of Pembroke, MA
bh+a	Bargmann Hendrie + Architype
KA	Kalin Associates
BSq	B Squared Engineering
MELS	Merrill Engineers and Land Surveyors
KZLA	Kyle Zick Landscape Architecture
ACE	Allied Consulting Engineering
FBRA	Foley Buhl Roberts & Associates
MGA	McArdle Gannon Associates
C3	Commercial Construction Consulting
UEC	Universal Environmental Consultants
CMA	Crabtree McGrath Associates
PAV	Pro AV Systems
ASC	ASC – Hardware
BTC	Building Technology Consulting

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[11.5-70.5] INDICATES APPROXIMATE DEPTH-ELEVATION (IN FEET) OF BOTTOM OF EXISTING FILL AT EXPLORATION LOCATION.

INDICATES APPROXIMATE LOCATION OF PROPOSED COMMUNITY CENTER. LOCATION REVISED - SEE 7/22/22 LOCATION REVISED APPROXIMATE LOCATION OF PROPOSED COMMUNITY CENTER - (JULY 22, 2022 CONSTRUCTION DOCUMENT)

NOTES:

1. BASE PLAN DEVELOPED FROM A PLAN ENTITLED "128 CENTER STREET PEMBROKE MA - ROTATED BUILDING 110121," PROVIDED BY BARGAMANN HENDRIE + ARCHETYPE, INC. AND A DRAFT PLAN ENTITLED "EXISTING CONDITIONS PLAN," DATED NOVEMBER 22, 2021, BY MERRILL ENGINEERS AND LAND SURVEYORS.
2. EXPLORATION LOCATIONS SHOWN WERE DETERMINED BY TAPE MEASUREMENT AND LINE OF SIGHT FROM EXISTING SITE FEATURES. THE EXPLORATION LOCATIONS ARE APPROXIMATE.
3. MGA OBSERVED AND LOGGED THE EXPLORATIONS SHOWN.

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