

**OBSERVATION REPORT NO. 39**

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| Project:   | <b>Woburn Fire Headquarters</b>        |  |  |
| Date:      | 03 March 2022                          |  |  |
| Location:  | Job Site                               |  |  |
| Attendees: | Woburn Fire Department                 |  | Donald Kenton, Chief                                 |
|            | Woburn Chief Information Officer (CIO) |  | David Mastronardi (partial)                          |
|            | State 911 (EPS)                        |  | Scott Gray (partial)                                 |
|            | Woburn Auditor's Department            |  | Justin MacCutcheon, Assistant Auditor                |
|            | Municipal Building Consultants (MBC)   |  | Dick Murphy<br>Pat Saitta                            |
|            | DiNisco Design (DD)                    |  | Rick Rice<br>Anne Woodacre                           |
|            | Langone Associates                     |  | Chick Langone (partial)                              |
|            | G&R Construction (G&R)                 |  | Ian McCallion<br>Dave Bacchiocchi<br>Cullen Humfreys |

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**Action      Date**

**A. SAFETY AND SECURITY**

A18.

**B. OWNER ISSUES**

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| ---     | 05/14/21 | B02.  | Work under separate contracts will consist of:                  |
| DiNisco | 05/14/21 | B02.1 | FF&E including Communications and Technology.                   |
| Woburn  | 05/14/21 | B02.4 | City will mill and pave Main Street after utility work is done. |



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| DiNisco | 11/24/21<br>12/22/21<br>01/06/22<br>01/20/22<br>01/27/22<br>02/03/22<br>03/03/22 | B02.5    | <p>FF&amp;E/Service Bay Lifts: The Chief asked if the Service Bay lifts have been purchased, noting lead times and the desire to have them when the facility opens next fall. DiNisco replied that no FF&amp;E items have been purchased at this time and explained that, after the dispatch communications bids are received 12/02/21, the FF&amp;E and technology items will be the last budget items to be confirmed. DiNisco will schedule a meeting in January 2022 to review all FF&amp;E items previously discussed with WFD prior to going out to bid.</p> <p>[12/22/21: The meeting will be scheduled for the week of 01/17; DiNisco to propose specific date/time.]</p> <p>[01/06/22: DiNisco and WFD will meet at 1:00 PM Wednesday, 01/19 to review FF&amp;E selections. DiNisco will forward an information packet to WFD before the meeting.] [01/20/22: At WFD request the meeting has been rescheduled for 1:00 Wednesday, 01/26/22.]</p> <p>[01/27/22: DiNisco is revising FF&amp;E budget based on the 01/26 meeting with WFD for review with the Mayor.] [02/03/2022: DiNisco noted that the FF&amp;E should be bid in late February / early March for September / October delivery.] [03/03/22: DiNisco reported that the FF&amp;E package will be ready for a final review with WFD and Purchasing Dept. in a couple weeks.]</p> |
| DiNisco | 12/01/21<br>02/03/22<br>02/11/22<br>02/24/22<br>03/03/22                         | B02.5.01 | <p>Exercise Equipment: DiNisco requested that WFD provide layouts of the proposed exercise equipment for coordination with electrical outlets, mirrors, etc.</p> <p>[Postscript: Layouts provided by WFD later on 12/01.]</p> <p>[02/03/22-Postscript: Exercise equipment supplier provided DiNisco with data for DiNisco's coordination of in-wall blocking with power.] [02/11/22-Postscript: DiNisco forwarded exercise equipment layout to supplier for review, comment and coordination]</p> <p>[02/11/22-Postscript: DiNisco forwarded layout to equipment supplier for review and comments.]</p> <p>[02/24/22-Postscript: DiNisco received comments from WFD and will issue direction to G&amp;R coordinating data and receptacle requirements at cardio and stair masters, as well as where in-wall blocking will be needed.] [03/03/22: DiNisco will review procurement of exercise equipment with Purchasing. WFD noted they have received quotes from two sources, both on the state bid list.]</p>  |
| ---     | 03/03/22   | B02.5.02 | <p>FF&amp;E Assembly: In response to DiNisco's question, WFD advised that they could take care of assembling storage shelving drop-shipped to the facility. Record Item.</p>  |

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| DiNisco | 09/29/21 | B09.5.02 | Traffic Signal Controls: G&R / Brothers is responsible for conduit pathways and installing backboxes for the signal controls, and DE will install the cabling and the controls. [11/24/21: A Zoom meeting is scheduled for 2:00 PM Monday, 11/29 to discuss the WFD's request to relocate the Watch Room traffic signal control station from the wall to the console. Participating will be WFD, DiNisco, Chick Langone, VHB and Jay Corey.] [12/01/21: Based on the discussions 11/24, it was decided that a set of traffic signal buttons will be added to the console, and the wall buttons would remain. DiNisco, with Chick Langone and Mitchell Associates, will develop a layout of the buttons (signal and OH doors) for installation in the console. It was noted that Brothers Electric will be provided direction on additional in-wall empty conduits to be installed to relocate control buttons to the console.] [01/06/22: As noted under B09.5.04, having the OH door buttons on the console touch screen is being investigated; doing the same with the traffic signal preemption button will also be investigated.] [01/27/22: DiNisco to provide for pricing by Brothers the additional empty conduit needs from Watch Room.] [02/04/22-<br>Postscript: Proposal Request #19 to add conduit for touch screen operation of traffic signals issued to G&R on 02/04/22. DiNisco to issue revision to Dagle Electric via the City.] [02/24/22: DiNisco has forwarded the necessary scope of work to Jay Corey and VHB for transmittal to Dagle Electric. DiNisco will follow up to confirm work is scheduled.] |
|         | 11/24/21 |          |   |
|         | 12/01/21 |          |   |
|         | 01/06/22 |          |   |
|         | 01/27/22 |          |   |
|         | 02/04/22 |          |   |
|         | 02/24/22 |          |   |

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| DE       | 09/29/21 | B09.5.05 | Traffic Signal Schedule:   |
| D&R      | 10/13/21 |          | - Dagle will schedule borings for masts the next two weeks.  |
| G&R      | 10/20/21 |          | - G&R has scheduled the sidewalk to be completed by 04 July 2022; this requires the new signals to be in place and the existing signals removed.   |
| Brothers | 10/27/21 |          | - D&R / DE will start signal work in April/May. DE advised that their work installing the conduit across the apron will take a couple days.  |
|          | 11/03/21 |          | - Lead time for signal mast and arms is six months and new signal must be operational before old signal can be removed.  |
|          | 11/24/21 |          | [10/06/21: DE has advised borings scheduled for 06/08; DE advised by DiNisco to contact WPD for police detail.] [10/13/21: G&R confirmed borings were taken in three locations last Friday.]   |
|          | 01/07/22 |          | [10/20/21: G&R noted the boring for the signal hit refusal at about 10 deep. DiNisco and MBC noted that they had not been made aware of DE/D&R raising any issues regarding the borings.]  |
|          | 01/24/22 |          | [10/27/21: MBC recounted a discussion had with Jay Corey, where it was suggested that G&R (Pelchat) do the lightpole excavation if it worked out with G&R's schedule, such as when Infiltration System #2 is installed nearby. This will be further discussed as the schedule progresses.] [11/03/21: G&R has not yet discussed this with the site sub, but believes this may be possible when the work is done in the spring.] [11/24/21: It was discussed that this will be coordinated in the spring once D&R/DE has scheduled the signal work, should it work out with G&R's site subs' schedule.] [01/07/22-Postscript: DiNisco reached out to DE regarding furnishing preemption switch backboxes to be installed in masonry walls by Brothers Electric.] [01/24/22-Postscript: Brothers is responsible for furnishing and installing backboxes for traffic signal preemption switches, and on 01/24 DiNisco issued Field Order #028, revising size of backbox to be provided by Brothers to coordinate with size needed by DE.] |

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| G&R<br>Brothers                      | 09/29/21<br>10/27/21<br>11/03/21<br>11/17/21 | B10.1.02 | Municipal Fire Alarm Conduits / On Site: Per LW Bills, two addition 4-inch conduits will be run between the existing Verizon manhole with the sidewalk into the building. Jay Corey recommended DiNisco contact DPW to coordinate Brothers' Verizon manhole work. [10/27/21: G&R noted that should the time allow, the in-street work will be done after the sanitary sewer work is done next week. Otherwise, G&R reported, the conduits will be installed in the spring.] [11/03/21: G&R will verify with Brothers that they have coordinated with Verizon on this work.] [11/17/21: G&R advised the fire alarm conduit work will be done next spring.] |
| WFD<br>Verizon<br>DPW                | 02/10/22<br>02/24/22<br>03/03/22             | B10.5.01 | Municipal Alarm Conduits / Station 3: After discussion, WFD stated that they will reach out to Verizon regarding the schedule of the conduit work at Station 3. Verizon has been paid the engineering fee by the City and Verizon is up to speed on what is required, which must be performed by a Verizon approved contractor. [02/24/22: WFD has not received an update from either DPW or Verizon on schedule since last discussion.] [03/03/22: WFD has forwarded to DiNisco and MBC an email from DPW updating WFD on progress with Verizon.]  |
| WFD<br>LW Bills<br>Langone<br>Assoc. | 03/04/22                                     | B10.5.02 | LW Bills Coordination Meeting (Postscript): LW Bills will attend the 03/10 job meeting at 1:00 to coordinate their municipal alarm work with the project.   |

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| G&R | 12/09/21 | B12.3.01 | Tower Foundation Schedule: G&R has contacted Industrial Communications and advised that tower foundation work is expected to begin the week of 02/14. G&R will confirm with Industrial as date gets closer, so that Industrial may schedule a foreman to be on hand. [12/22/21: It was discussed that ledge has been uncovered near the tower foundation area. G&R excavated the area and shall provide spot grades of the top of ledge ASAP, so that the tower manufacturer's engineer can review and advise of any changes in foundation design.] [01/06/22: DiNisco again asked G&R to document ledge depth at tower ASAP.] [01/13/22: G&R does not believe the ledge will impinge on the tower base and will forward the notes from the exploratory work when the superintendent returns from vacation tomorrow.] [01/20/22: G&R stated that they are meeting with the foundation sub on 01/21 to review tower foundation, and G&R will forward information on ledge conditions at foundation after the meeting.] [01/27/22: G&R reported that beginning the tower foundation work depends on when a drilling contractor can prep the ledge in the area for removal. As soon as G&R knows the driller's schedule, they will reschedule foundation work and advise all partners.] [02/03/22: G&R reported the rock driller will be on site the week of 02/14/22.] [02/10/22: G&R confirmed driller will be on site 02/14.] [02/24/22: G&R reported that the ledge at unitized wall has been removed, and next steps are completing the unitized wall construction and distributing the stockpiled boulders before excavating for the tower foundation.] |
|     | 01/06/22 |          |  |
|     | 01/13/22 |          |  |
|     | 01/20/22 |          |  |
|     | 01/27/22 |          |  |
|     | 02/03/22 |          |  |
|     | 02/10/22 |          |  |
|     | 02/24/22 |          |  |

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| G&R        | 08/18/21 | B12.4 | Tower Erection: G&R stated that the tower erection should begin on or about 03/01/22. Industrial advised that they will need a week to mobilize, with the tower erected in one day, and another week to wire it. [09/29/21: G&R noted that the current baseline schedule does not show the tower; it will be added to the update.] [01/24/22-Postscript: Industrial Communications inquired as to tower erection schedule; G&R to advise.] [01/27/22: As noted by Item B12.3.01, tower foundation construction and erection will be delayed by ledge drilling operation. G&R to advise. Additional cost may be incurred by Industrial for tower storage fees if erection pushed beyond 03/01/22.] [02/03/22: G&R, noting drilling of ledge at the wall will begin the week of 02/14/22, advised that tower erection will likely push to April. G&R will advise Industrial when schedule is verified.] [02/10/22: G&R will keep the tower contractor, Industrial, informed as to the installation schedule, which G&R now believes to be early April.]  |
| Industrial | 09/29/21 |       |  |
| LW Bills   | 01/24/22 |       |  |
|            | 01/27/22 |       |  |
|            | 02/03/22 |       |  |
|            | 02/10/22 |       |  |
| G&R        | 11/03/21 | B15.  | Door Lock Keying: WFD was asked to think about how the new building should be keyed (i.e. whose key should open what areas). A keying meeting will be scheduled in the near future with WFD, G&R, DiNisco and the hardware supplier. [11/11/21-Postscript: As discussed at the 10/10 job meeting, DiNisco provided WFD with plans showing doors with locks to key. DiNisco established the target date for WFD to provide a keying concept is 01/01/22.] [12/03/21-Postscript: WFD forwarded draft of keying scheme to DiNisco, who will review and forward to G&R.] [12/09/21: DiNisco issued Field Order 21 to G&R with WFD's keying arrangement. G&R's hardware supplier will use this information to develop a keying schedule, which will be reviewed with WFD at a future meeting.] [01/24/22-Postscript: Draft key schedule submitted for review; DiNisco will schedule meeting with WFD.] [01/27/22: It was discussed this may be a web meeting.] [02/04/22-Postscript: DiNisco forwarded draft key schedule for WFD review on 02/04/22.] [02/11/22-Postscript: WFD review comments forwarded to G&R; Kamco to respond.] [02/17/2022: Following the job meeting, DiNisco and WFD reviewed the keying schedule and DiNisco subsequently returned the submission "Revise and Resubmit" so that WFD's intentions were addressed.] |
| Kamco      | 12/03/21 |       |  |
|            | 12/09/21 |       |  |
|            | 01/24/22 |       |  |
|            | 01/27/22 |       |  |
|            | 02/04/22 |       |  |
|            | 02/11/22 |       |  |
|            | 02/17/22 |       |  |
| DiNisco    | 11/24/21 | B15.2 | Doors 115.1 and 113.1: WFD advised that the occupancy of Room 113 will be changed to Payroll/Arson and Room 115 to Permits/Oil Burner. DiNisco noted this will only change the text of the room signage.   |

- 01/06/22 B17. Primary Service Pole: Eversource has changed the service design and rather than crossing the street underground, they will cross overhead to a new pole on the property. Before the 01/06 meeting, DiNisco, Thompson Engineering, G&R and MBC met with Eversource to locate the on site pole. DiNisco will provide G&R with a dimensioned location of the pole [Postscript: Provided 01/10/22], and G&R will stake its location. Eversource will then be called to come to the site and confirm the staked location and re-vise their engineering drawings accordingly. Eversource intends to install the pole in a month. [01/13/22: G&R reported the site contractor will locate the stake for the pole using his GPS the week of 01/17.] [01/20/22: G&R will set stake 01/21/22.] [01/28/22-Postscript: On 01/27, in response to G&R's concerns over the proximity of the pole to the sample panel, DiNisco viewed field conditions and on 01/28 DiNisco reissued Proposal Request 015 with a revised pole location. G&R to stake location as revised for Eversource use.] [02/03/22: G&R reported Eversource was on site on 01/28/22 and advised G&R that Eversource will stake the location provided in DiNisco's sketch.] [03/03/22: G&R noted that they have not heard from Eversource.]
- DiNisco 01/13/22 B18. Dispatch Communications: DiNisco, WFD and MBC met with ALL-COMM for an initial review of their communications work. DiNisco will schedule a coordination meeting with ALL-COMM and G&R in the near future.
- G&R 01/13/22 B18.1 Dispatch Communication Back Boxes: DiNisco will Brothers 01/20/22 inquire of ALL-COMM if there are back boxes they are 01/27/22 to provide G&R for installation. [01/20/22-Postscript: DiNisco forwarded request to ALL-COMM for "specialty" backboxes to be installed by Brothers in CMU Apparatus Bay walls.] [01/27/22: ALL-COMM to visit site and coordinate with G&R.] [02/03/22: ALL-COMM met with G&R this week and will furnish the boxes to be installed by Brothers soon.] [02/10/22: G&R noted the ALL-COMM back boxes are not yet on site. DiNisco will contact ALL-COMM regarding delivery.] [02/18/22-Postscript: DiNisco contacted LW Bills, who will be providing the backboxes in question (not ALL-COMM) to inquire as to their status.] [02/24/22: DiNisco has advised G&R that backboxes in question are standard four-inch boxes and that it will be more direct for Brothers to furnish and install them. G&R is discussing with Brothers.]



|                                       |                                  |          |   |
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| Langone<br>WFD<br>Woburn<br>State 911 | 02/17/22<br>02/24/22<br>03/03/22 | B19.     | State 911 Coordination Meeting: Woburn's CIO has contacted DiNisco about scheduling a coordination meeting with the State 911 Department, who will be relocating 911 equipment from Station 3 to the new Dispatch. DiNisco suggested 1:00 PM, Thursday, 02/24/22 and will confirm. [02/24/22: The 911 walkthrough / coordination meeting has been scheduled for 1:00 PM, 03/03/22.] [03/03/22: Scott Gray, David Mastronardi and Chick Langone joined the job meeting to review requirements for the State 911 system. Discussions included the following:]<br>Record Item. |
| DiNisco                               | 03/03/22                         | B19.1    | 911 Pathways: Three four-inch diameter conduits from the pole across the street enter the MDF: one for Comcast, one for RCN and one for Verizon. The State 911 feed will enter the MDF via the Verizon conduit. Six three-inch conduits are provided above the ceiling from the MDF to the Watch Room for dispatch communications cabling (radio, municipal alarm, 911, data, etc.). DiNisco will confirm these conduits are sufficient.  |
| ---                                   | 03/03/22                         | B19.1.01 | 911 Cable Requirements: Scott Gray / EPS noted that the Cat 5 cabling the State (via Glynn Elec.) will be running would fit in a one-inch conduit between the MDF and the console. There will be three pieces of equipment on the console serving State 911: two phone and one printer. The 911 phones are voice over IP, and the printer requires 120V emergency power.  |
| EPS                                   | 03/03/22                         | B19.1.02 | 911 in MDF: An area is identified in the MDF on drawing 10.3.05 for the 911 equipment cabinet. EPS will confirm if they will be furnishing their own UPS.   |
| ---                                   | 03/03/22                         | B19.1.03 | Recording: WFD advised they record the 911 calls. It was discussed this could be achieved via a network connection installed by EPS between the 911 equipment and the Fire Department's recorder in the MDF.  |
| WFD                                   | 03/03/22                         | B19.1.04 | Remote Bell: It was discussed that EPS / 911 does not support wireless phones (for example if dispatch is in bathroom). However, EPS could install remote ringers (at a cost) should WFD feel it beneficial. WFD will consider.   |
| EPS                                   | 03/03/22                         | B19.1.05 | Schedule: EPS was advised that substantial completion for the new HQ is late October 2022. EPS will visit the project again in September, bringing their installing contractor, Glynn Electric.   |

- WFD 02/24/22 B21. Security Monitors: WFD inquired how (what workstations) will  
DiNisco 03/03/22 CCTV cameras be monitored. DiNisco and tech consultant will  
Edvance review with WFD. [03/03/22: At David M.'s request, following the  
CIO meeting, DiNisco forwarded the security system shop drawing  
submission. David M. will be part of the discussion with WFD on  
security system operation.]
- WFD 02/24/22 B22. Report Writing: WFD noted that at shift change as many as four  
DiNisco EMT's will need computer access to write reports. It was  
Edvance discussed that the EMT's could sit at the tables in the Ready  
Room and be connected via wireless. At this time, DiNisco  
reported that no unassigned laptops for this function are  
budgeted. DiNisco, Edvance and WFD to review technology  
budget, including computer deployment.
- CIO 03/03/22 B23. Tech Procurement: Edvance has forwarded the technology plans  
DiNisco and spreadsheet to David M. so that he can begin to determine  
Edvance hardware requirements and lead times. Edvance, DiNisco and  
David M. will schedule a meeting to review spreadsheet and  
coordinate procurement.

B24.

### C. PERMITS & INSPECTIONS

- DiNisco 11/10/21 C17. Occupancy Load Signage: TJQ noted occupancy signage will be  
required for meeting room.
- CAM 01/27/22 C23. Sheet Metal Permit: Tom Quinn advised that CAM should obtain  
02/03/22 the sheet metal permit prior to beginning ductwork. [02/03/22:  
02/17/22 G&R reported CAM has obtained the permit and it will be posted.]  
03/03/22 [02/17/22: G&R corrected, noting CAM has pulled their low  
voltage permit, but not the sheet metal permit as of this date.]  
[03/03/22: G&R reported that CAM will obtain the sheet metal  
permit this week and it will be on site the week of 03/07.]
- G&R 03/03/22 C24.1 Joist Repairs / Final UTS Inspection: G&R reported  
UTS that they are pressing Sky to complete the repairs of  
the joist burn-through locations expeditiously. It was  
agreed that MBC will have UTS make their final steel  
inspection after the joist repairs are completed, so that  
UTS may document the repairs.

C26.

**D. CONSTRUCTION SCHEDULE**

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| G&R | 10/07/21<br>12/01/21<br>12/22/21<br>01/06/22<br>01/07/22<br>02/24/22 | D04.3.03 | <p>Substantial Completion / Delay Due to Steel Availability: G&amp;R has provided side-by-side bar schedules showing the effect of steel / joist availability, which G&amp;R states has pushed out substantial completion to 30 September 2022. There was discussion as to how best to depict this delay. G&amp;R will formally submit their request for a time extension using graphic schedules showing the impact of steel / joist delivery delays and providing documentation from suppliers documenting the delivery dates. [12/01/21: G&amp;R will be preparing their formal request for time extension based on the recently completed initial CPM schedule.][12/22/21: DiNisco noted that G&amp;R has not yet submitted their extension request, and stated that absent its submission and approval, the specified substantial completion date remains 30 June 2022. G&amp;R intends to submit the time extension request the week of 01/03/2022.] [01/06/22: G&amp;R advised that they will be submitting their time extension request by 01/07. MBC stated that it is hoped that G&amp;R will work to achieve their proposed 09/30/22 Substantial Completion date.] [01/07/22-Postscript: G&amp;R extension request received; DiNisco and MBC to review and respond.] [02/24/22: DiNisco responded to G&amp;R's extension request advising that further documentation is needed.]</p> |
| G&R | 01/27/22<br>02/03/22<br>02/10/22<br>02/24/22<br>03/03/22             | D04.3.05 | <p>CPM Schedule / February Update: G&amp;R stated they will complete the schedule update for February after receiving MBC / DiNisco comments from their 01/07 schedule submission. MBC inquired if G&amp;R had taken any steps to accelerate the completion date. G&amp;R replied that they have taken steps to work under winter conditions (not wait until spring) and are pressing the subs, but G&amp;R has not looked into overtime to accelerate the schedule. [02/03/22: G&amp;R reported that they are in the process of updating the schedule. In response to MBC's question, G&amp;R advised that major work shifts include roofing (put off due to weather), masonry veneer (accelerated to be done under enclosure with backup CMU), and re-sequencing slab pours (to open areas to the mason).] [02/10/22: G&amp;R is working on schedule update but requested DiNisco / MBC comments before finalizing and submitting the update.] [02/24/22: DiNisco response forwarded to G&amp;R on 02/23/22. G&amp;R will complete and submit update for February/March.] [03/03/22: G&amp;R reported that the schedule is under internal review and will be distributed next week.]</p>  |

- 03/03/22 D40. Look Ahead: G&R reviewed the look ahead schedule (attached).  
Record Item.
- 03/03/22 D40.1 Schedule Overview: G&R provided the following overview as to the major upcoming work:
- Masonry: By 03/11, work on 12 line will begin, which will enclose the HQ. Once the CMU is completed on 12 line, the mason will attack other interior partitions and the exterior veneer.
  - Roofing: Work will start on 03/08 by relocating stored insulation because focus has shifted to first completing the HQ building roof.
  - Slabs: Prep for Apparatus Bay floors has begun, with radiant heating installation beginning the week of 03/14.
  - Critical path is the HQ envelope, first with the roof, then with the A&VB.

D41.

#### E. SUBMITTAL SCHEDULE

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| G&R | 10/07/21<br>11/10/21<br>12/09/21<br>01/13/22<br>01/20/22<br>01/27/22<br>02/10/22<br>02/17/22 | E07.3 | <p>Submittal Schedule Update (Postscript): DiNisco asked G&amp;R to provide an update as to when the remaining submittals / resubmittals will be made. [10/27/21: It was discussed that yet to be submitted items include ATC ceilings, Division 10 items and the steel stud resubmittal.] [11/03/21: G&amp;R noted that several miscellaneous metal submissions are forthcoming.] [11/10/21: G&amp;R expects remaining finishes submittals to be made the next couple weeks, as will be the remaining miscellaneous iron items.] [12/09/21: G&amp;R will update the schedule showing remaining submittals to be made.] [01/13/22: In response to DiNisco's question, G&amp;R reported all schedule critical submissions have been made, with only miscellaneous items and some finishes yet to be submitted.] [01/20/22: G&amp;R stated that they will have a submittal schedule update next week.] [01/27/22: G&amp;R will distribute the updated submittal schedule before the next job meeting.] [02/10/22: G&amp;R advised they will forward the updated submittal schedule on 02/11, and noted that several "specialty" items will soon be submitted.] [02/17/22: G&amp;R is in the process of compiling the remaining submittal schedule incorporating items identified in the list DiNisco provided.]</p> |
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G&R Larkin 03/03/22 E07.3.05 Stair Submissions: DiNisco noted that the calculations for Stairs A, C and the mezzanine must be resubmitted in order for these shop drawings to be returned. Needed is the same calculation finally provided for Stair B. G&R is in conversation with the subcontractor.

G&R Greenfield 03/03/22 E07.3.06 Training Tower Windows: In response to DiNisco's question, G&R advised that the training tower window shop drawings are in production.

E08.

#### F. SUBMITTALS

G&R 05/14/21 F10. Construction Indoor IAQ Plan to be submitted within 21 days of NTP.

G&R 03/03/22 F39.1.01 Metal Panel Shop Drawings: DiNisco returned the submittal on 03/02, and cautioned G&R that there remain issues that G&R must coordinate, such as ACM system thickness with backup construction; DiNisco noted the overall ACM assembly thickness Facade is showing is different than as detailed on the contract documents, and either that or the fascia framing must be adjusted to maintain the profiles as shown on the contract drawings.

--- 03/03/22 F53. Submittal Log: G&R distributed the log with priority items highlighted (attached); DiNisco noted the light pole bases and light fixtures were just returned. Record Item.

F54.

#### G. COORDINATION DRAWINGS

G&R Subs 01/06/22 02/03/22 02/17/22 02/24/22 G06.2 Coordination Drawings: G&R reported that the subs are revising the area under the precast plank and are preparing related cost proposals. G&R does not expect any other coordination issues, noting the HQ admin area and the support building are coordinated. Drawings will be submitted shortly for review/record. [02/03/22: Coordination drawings submitted for the design team's review on 02/02/22.] [02/17/22: It was discussed and agreed that the coordination drawings will be resubmitted by trade for legibility.] [02/24/22: G&R noted the electrical and plumbing coordination drawings have been submitted, and the HVAC drawings are expected soon.]

G07.

**H. PAYROLL REPORTS**

--- 02/10/22 H13. Payroll Reports: MBC reported all subs are up to date with the  
 02/17/22 exception of the steel erector's crane operator. [02/17/22: MBC  
 02/24/22 reported everyone is up to date except the crane operator.]  
 03/03/22 [02/24/22: G&R reported that the reports from the crane operator  
 are being overnighted.] [03/03/22: MBC reported the crane  
 operator's reports have been submitted.] Record Item.

H14.

**I. REQUISITIONS**

Woburn 02/24/22 I18. February Pencil Requisition (Postscript): G&R forwarded the pencil  
 03/03/22 req for February to MBC and DiNisco on 02/25/22.] [03/03/22:  
 The final requisition was signed at the meeting and turned over to  
 the Auditor for processing and payment.]

I19.

**J. CHANGE ORDERS**

J19.

**K. CONSTRUCTION CHANGE DIRECTIVES (CCD)**

K07.

**L. FIELD ORDERS**

L06.

**M. PROPOSAL REQUESTS**

M08.

**O. REQUEST FOR INFORMATION**

DiNisco 11/17/21 O27. RFI Log: The RFI Log was reviewed (attached). G&R noted  
 Araujo's shower stall question was actually related to the CMU  
 "hot zone" showers, as such does not apply. DiNisco noted that  
 they will issue a field order clarifying the tile detail at the bunk room  
 shower stalls.

DiNisco 01/06/22 O33. RFI Log: The RFI Log was reviewed (attached). RFI 070-Elec  
 01/13/22 Device Height Coordination is the only open RFI. [01/13/22:  
 DiNisco will issue field order covering devices not addressed by  
 RFI 070 response.]

--- 03/03/22 O41. RFI Update: There are two open RFI's (see log attached). Record  
 Item.

O42.

**P. DEMOLITION**

P01.

**Q. SITE WORK**

|     |          |          |  |
|-----|----------|----------|--|
| RJP | 01/13/22 | Q10.1.03 | Loam Submittals: G&R advised that the site contractor, RJP is responsible for importing and spreading loam. BSI cautioned that should RJP elect not to use on of the specified sources (G&R said they were not), the testing process for each loam component and subsequent mix is time consuming (assume two months) and the submittal / testing process should begin soon. G&R will review spec requirements with RJP. [01/20/22: G&R noted RJP is reaching out to loam sources named in the specification.] [02/10/22: G&R expects to submit on the loam soon.] [02/17/22: Submittal has been returned Revise and Resubmit, requesting more recent test results.]   |
| G&R | 01/20/22 |          |  |
|     | 02/10/22 |          |  |
|     | 02/17/22 |          |  |
| R&S | 01/20/22 | Q10.1.07 | Landscape Subcontractor: G&R advised that Viking has backed out of the project and G&R will be signing another contractor yet to be determined. DiNisco, noting previous discussions as to plant availability, urged the submission of the plant list in February. [01/27/22: G&R reported that they now have R&S Landscaping under contract for the project, noting R&S will be using SiteOne for supplying plants. A meeting with Brown Sardina will be set up.] [02/03/22: G&R advised that before setting up a meeting with R&S and Brown Sardina, G&R first wants to complete the loam submittal process (see Item Q10.1.03).] [02/17/22: G&R will schedule a meeting with BSI, R&S and RJP for early March.] [02/24/22: Meeting will take place at noon, Thursday, 03/03/22.] [03/03/22: The landscape sub was unable to make the meeting and it will be rescheduled.] |
| RJP | 01/27/22 |          |  |
| BSI | 02/03/22 |          |  |
|     | 02/17/22 |          |  |
|     | 02/24/22 |          |  |
|     | 03/03/22 |          |  |

|       |          |       |   |
|-------|----------|-------|---|
| G&R   | 11/17/21 | Q16.2 | Gas Service: G&R reported that NGrid has not heard from DOT on permit. However, because NGrid now does not want to cap the service at the property line, NGrid has decided to install the service in the spring, when it can be run fully to the gas meter. G&R reported that there will be no further in-street work until spring. [11/24/21: In response to MBC's question, G&R replied they believe NGrid has everything they need to install the gas service, and NGrid has decided to schedule the installation for next spring.] [01/07/22-<br>Postscript: DOT issued the permit to Eversource with WFD copied. Permit has been forwarded to G&R for their info.] [02/10/22: G&R reported that Eversource is lined up to start the gas service installation as soon as the street can be opened up.] [02/24/22: In response to DiNisco's question, G&R advised that the street opening moratorium will be over on or about 15 April.] |
| NGrid | 11/24/21 |       |   |
|       | 01/07/22 |       |   |
|       | 02/10/22 |       |   |
|       | 02/24/22 |       |   |
| G&R   | 01/28/22 | Q23.  | Ledge Conditions at Tower (Postscript): On 01/28/22 G&R provided elevations of ledge encountered below the tower foundation as requested. DiNisco in turn forwarded the information onto Industrial for review and comment. [02/04/22-<br>Postscript: GZA reviewed conditions with tower contractor and engineer, and DiNisco forwarded to G&R GZA's memo as to how G&R shall proceed with excavations for the tower foundation. G&R to advise as to excavation schedule so that GZA may observe the bottom of tower excavations.]  |
| GZA   | 02/04/22 |       |   |

Q24.

## R. ARCHITECTURAL

|     |          |      |  |
|-----|----------|------|--|
| MBC | 09/22/21 | R05. | Window Testing: DiNisco confirmed that windows will be tested in place, beginning with the windows in the sample panels, with the testing performed by the owner's testing agents (UTS). DiNisco noted that there is no independent BECxA responsible for the envelope, and DiNisco will be reviewing envelope construction. [01/20/22: MBC will check with UTS on performing window testing.] [02/17/22: MBC is reviewing UTS proposal which they forwarded to DiNisco for comment. DiNisco confirmed mock-up shall be tested.] |
|     | 01/20/22 |      |  |
|     | 02/17/22 |      |  |



Greenfield 01/27/22 R09. Mock up: DiNisco reviewed the installation of the windows in the  
02/10/22 mock up panel, noting that the window sub did not include in the installation the detailed A&VB tie-ins, which is the point of the mock up panel. Also, DiNisco noted the window receivers showed unacceptable gaps at the corners. G&R advised that the A&VB tie-in will be installed in the mock up, and G&R noted the receivers were cut too short for the mock up but the final installation joints will be tight. DiNisco stated A&VB must be completed for testing the mock up, but that the receivers need not be changed. [02/10/22: G&R advised the window sub will be out to complete window work in mock-up after the ice around the mock-up thaws out a bit.]

R10.

#### **S. STRUCTURAL**

S08.

#### **T. FIRE PROTECTION**

T04.

#### **U. PLUMBING**

U03.

#### **V. HVAC**

V01.

#### **W. ELECTRICAL**

W03.

#### **X. HAZARDOUS MATERIALS**

X01.

#### **Y. MISCELLANEOUS**

Y15.

**ZA. COMMISSIONING**

G&R 10/20/21 ZA03. Commissioning Kick-off Meeting: It was agreed that a  
 Consultants 11/09/21 commissioning kick-off meeting will be scheduled at an  
 DiNisco 01/13/22 appropriate time. Attending will be the MEP subs and DiNisco's  
 Subs 01/27/22 MEP consultants, who will be performing the commissioning.  
 02/17/22 [11/09/21: DiNisco advised that the kick off meeting will be  
 02/24/22 scheduled after all HVAC equipment and controls have been  
 submitted and approved.] [01/13/22: DiNisco stated a Cx kick-off  
 meeting will be scheduled after BAS controls are submitted.]  
 [01/27/22: G&R reported BAS submission is expected soon.]  
 [02/17/22: BAS has been submitted. DiNisco will consult with  
 VAV as to when a kick off meeting should be scheduled.]  
 [02/24/22: BAS was returned Revise and Resubmit.]

Woburn 02/17/22 ZA04. Owner CxA Attendance: MBC recommended that someone  
 representing the City should be present at commissioning  
 meetings. It was noted that the City outsources HVAC  
 maintenance, unlike the schools. A model for recent City building  
 involvement would be the new library.

ZA05.

**ZB. CONSTRUCTION CLOSEOUT**

--- 09/01/21 ZB10. As-Built Drawings: MBC urged G&R to keep up with the as-built  
 09/29/21 drawings, especially underslab and site utility work being  
 02/03/22 concealed. MBC and consultants will review monthly. [09/29/21:  
 02/10/22 G&R reported that below slab installations are following the  
 underslab coordination drawings.] [02/03/22: G&R reported that  
 they have discussed with the subcontractors the need to maintain  
 the as-built drawings now that MEP systems are about to be  
 installed.] [02/10/22: G&R reported as-builts are being kept up.]

ZB11.

**ZZ. CONSTRUCTION PROGRESS**

--- 03/03/22 ZZ36. Construction Progress: The Architect walked the site and  
 observed the following: (Record Item)  
 - Site: Site subcontractor not on site.  
 - Exterior Walls / HQ: Framing and sheathing at overhangs, etc.  
 ongoing. Mason not on site.  
 - Interior Partitions: Stud framing well along at second floor of HQ.  
 - MEP Roughing: Underway in HQ, various locations.

ZZ37.

The next on-site Job Meeting will be held **Thursday, March 10, 2022 at 1:00 PM at the Job Site.**

The discussions of this meeting are recorded as understood by the writer, who should be notified of any omissions or corrections. Unless the writer is notified to the contrary, these notes are presumed to be correct.



Richard N. Rice  
DiNISCO DESIGN

RNR/meh

cc: Mayor Scott Galvin  
Tom Quinn, Building Commissioner  
Paul D'Amore, Building Inspector  
Jay Corey, City Engineer  
Jay Duran, DPW Superintendent  
Justin MacCutcheon, Deputy City Auditor  
Donald Kenton, WFD  
George Poole, WFD  
Pat Saitta  
Dick Murphy  
Janet Bernardo  
Mary Hall  
Heather Audet  
Bill Brown  
Joe Strayer  
Jon Buhl  
Steven Belanger  
Rachel Blandford  
John Sousa  
Frank Stramaglia  
Semoon Oh  
Jared Humphreys  
Kevin Murphy  
Eric Ganz  
Scott Goodrich  
Chick Langone  
Bob Mitchell  
Ken Gale  
James Alexander  
Anne Woodacre  
Bob Morel  
Ian McCallion  
Dan Aylward  
David Bacchiocchi

Enclosures: G&R 3-week Look Ahead dated 03/03/22  
G&R Submittal Log dated 03/02/22  
G&R RFI Log dated 03/02/22



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/02/2022

Project: Woburn Fire Headquarters

Total Items: 19

Log: Submittal

Days Open Calculated by: Calendar Days since date Initially Created

| <u>Section</u>                         | <u>Item#</u> | <u>Description</u>   | <u>Supplier or Manufacturer</u> | <u>Date from Subcontractor</u> | <u>Date from GC</u> | <u>Review by Consultant</u> | <u>Review by Architect</u> | <u>Return to Subcontractor</u> | <u>Action</u> | <u>B-I-C</u>    | <u>Days Open</u> |
|--|--------------|--|---------------------------------|--------------------------------|---------------------|-----------------------------|----------------------------|--------------------------------|---------------|-----------------|------------------|
| 000001 General Items                   | 000001-008-0 | Electrical Coordination Drawings                                   | G&R Construction                | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 000001 General Items                   | 000001-009-0 | Plumbing Coordination Drawings                                     | G&R Construction                | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 000001 General Items                   | 000001-010-0 | Fire Protection Coordination Drawings                              |                                 | 03/01/2022                     | 03/01/2022          |                             |                            |                                |               | Consultant,Arch | 1                |
| 050001 Miscellaneous & Ornamental Iron | 050001-003-3 | Resubmittal of Resubmittal of Stair C Shop Drawings & Calculations | Larkin Iron Works               | 02/02/2022                     | 02/02/2022          |                             |                            |                                |               | Consultant,Arch | 28               |
| 050001 Miscellaneous & Ornamental Iron | 050001-005-1 | Resubmittal of Support Building Mezzanine Stairs Shop Drawings     | Larkin Iron Works               | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 050001 Miscellaneous & Ornamental Iron | 050001-014-0 | Resubmittal of Resubmittal of Stair A Shop Drawings                | Larkin Iron Works               | 01/28/2022                     | 01/28/2022          |                             |                            |                                |               | Consultant,Arch | 33               |
| 070002 Roofing & Flashing              | 070002-004-2 | Resubmittal of Resubmittal of Roofing Shop Drawings                |                                 | 02/18/2022                     | 02/18/2022          |                             |                            |                                |               | Consultant,Arch | 12               |
| 070002 Roofing & Flashing              | 070002-008-1 | Resubmittal of Roofing Assembly Letter                             |                                 | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 074213 Preformed Cladding              | 074213-004-2 | Resubmittal of Preformed Metal Cladding Shop Drawings              |                                 | 02/18/2022                     | 02/18/2022          |                             |                            |                                |               | Consultant,Arch | 12               |
| 090007 Painting                        | 090007-001-2 | Resubmittal of Resubmittal of Paint Product Data                   |                                 | 03/01/2022                     | 03/01/2022          |                             |                            |                                |               | Consultant,Arch | 1                |
| 092116 Gypsum Wallboard                | 092116-003-1 | Resubmittal of Firestopping Product Data                           | Baystate Drywall                | 02/18/2022                     | 02/18/2022          |                             |                            |                                |               | Consultant,Arch | 12               |
| 092116 Gypsum Wallboard                | 092116-006-1 | Resubmittal of Compound, Tape, & Accessories Product Data          | Baystate Drywall                | 02/21/2022                     | 02/21/2022          |                             |                            |                                |               | Consultant,Arch | 9                |
| 092116 Gypsum Wallboard                | 092116-009-0 | Acoustical Sealant Product Data                                    | Baystate Drywall                | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 092116 Gypsum Wallboard                | 092116-010-0 | Shaft Wall System Product Data                                     | Baystate Drywall                | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 092116 Gypsum Wallboard                | 092116-011-0 | Metal Framing Product Data   | Baystate Drywall                | 02/22/2022                     | 02/22/2022          |                             |                            |                                |               | Consultant,Arch | 8                |
| 101400 Identifying                     | 101400-002-  | Interior Signage Product Data & Shop                               |                                 | 03/02/2022                     | 03/02/2022          |                             |                            |                                |               | Consultant      | 0                |



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|---|--------------|---|---------------------------------|--------------------------------|---------------------|-----------------------------|----------------------------|--------------------------------|---------------|-----------------|------------------|
| Devices                                   | 0            | Drawings                                      |                                 |                                |                     |                             |                            |                                |               | nt,Arch         |                  |
| 102813 Toilet, Bath & Laundry Accessories | 102813-001-0 | Toilet Accessories Schedule                   |                                 | 03/02/2022                     | 03/02/2022          |                             |                            |                                |               | Consultant,Arch | 0                |
| 260001 Electrical                         | 260001-013-1 | Resubmittal of Light Pole Bases Shop Drawings |                                 | 02/21/2022                     | 02/21/2022          |                             |                            |                                |               | Consultant,Arch | 9                |
| 260001 Electrical                         | 260001-018-1 | Resubmittal of Lighting Fixtures R7, R13, R14 |                                 | 02/21/2022                     | 02/21/2022          |                             |                            |                                |               | Consultant,Arch | 9                |



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/02/2022

Project: Woburn Fire Headquarters

Total Items: 2

Log: RFI

Days Open Calculated by: Calendar Days since date Initially Created

| <u>Category</u> | <u>Item#</u> | <u>Description</u>           | <u>Date from Subcontractor</u> | <u>Date from GC</u> | <u>Review by Consultant</u> | <u>Review by Architect</u> | <u>Return to Subcontractor</u> | <u>B-I-C</u>     | <u>Days Open</u> |
|-----------------|--------------|------------------------------|--------------------------------|---------------------|-----------------------------|----------------------------|--------------------------------|------------------|------------------|
| Architectural   | 095          | Dimensional Issue at Line 12 | 02/28/2022                     | 02/28/2022          |                             |                            |                                | Consultant, Arch | 2                |
| Plumbing        | 096          | Canopy Drains at HQ          | 03/01/2022                     | 03/01/2022          |                             |                            |                                | Consultant, Arch | 1                |