

OBSERVATION REPORT NO. 41

Project:	Woburn Fire Headquarters		
Date:	17 March 2022		
Location:	Job Site		
Attendees:	Woburn Fire Department	Donald Kenton, Chief George Poole, Deputy	
	Woburn Building Department	Tom Quinn, Commissioner	
	Woburn Engineering (WE)	Jay Corey, City Engineer (partial)	
	Woburn Auditor's Department	Justin MacCutcheon, Assistant Auditor	
	Municipal Building Consultants (MBC)	Dick Murphy Pat Saitta	
	DiNisco Design (DD)	Rick Rice Anne Woodacre	
	D&R (D&R)	Steve Johanson (partial) Tom Heaphy (partial)	
	Dagle Electric (DE)	Scott Niss (partial) Jim Latina (partial)	
	G&R Construction (G&R)	Dan Aylward Ian McCallion Cullen Humfreys	

Action Date

A. SAFETY AND SECURITY

A18.

B. OWNER ISSUES

---	05/14/21	B02.	Work under separate contracts will consist of:
DiNisco	05/14/21	B02.1	FF&E including Communications and Technology.
DiNisco	03/11/22	B02.1.04	FF&E Schedule (Postscript): DiNisco distributed the draft front end of the FF&E Bid Documents for review, and proposed the following bid schedule: - 3/24/22: Bid Documents available - 4/10/22: Deadline for bid questions - 04/14/22: Bids due at 11:00 AM



Woburn	05/14/21	B02.4	City will mill and pave Main Street after utility work is done.
---	12/01/21 02/03/22 02/11/22 02/24/22 03/03/22 03/18/22	B02.5.01	Exercise Equipment: DiNisco requested that WFD provide layouts of the proposed exercise equipment for coordination with electrical outlets, mirrors, etc. [Postscript: Layouts provided by WFD later on 12/01.] [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 [02/11/22-Postscript: DiNisco forwarded layout to equipment supplier for review and comments.] [02/24/22-Postscript: DiNisco received comments from WFD and will issue direction to G&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.] [03/18/22-Postscript: DiNisco forwarded quotes received to the Purchasing Department, who will execute a purchase order with the low bidder, Gronk Sports.] Record Item.

WE	09/29/21 11/24/21 12/01/21 01/06/22 01/27/22 02/04/22 02/24/22 03/17/22	B09.5.02	<p>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- 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.] [03/17/22: Jay Corey will resend DiNisco's scope to DE for pricing.]</p>
G&R DE	03/17/22	B09.5.06	<p>Traffic Signal Coordination Meeting: WE, D&R, DE, DiNisco, MBC and G&R met to review / coordinate the on-site traffic signal work by D&R / DE. The following was discussed:</p> <ul style="list-style-type: none"> - G&R's site sub will be on site the week of 03/21 and will stake the back of walk locations / elevations and driveway radii. - DE will visit site the end of the week of 03/21 and will layout the locations of the mast foundations, locating them from the staked back of walk locations. - DE is prepared to auger the mast foundations the next couple of weeks and will coordinate with G&R for access, etc. The movable construction fencing will need to be pushed back by G&R for DE to auger the foundations, which will be 42" diameter. - DE will coordinate installing conduits below the sidewalks with G&R. G&R intends to set curbing and place walks in late July / early August.

G&R Brothers	09/29/21 10/27/21 11/03/21 11/17/21 03/10/22	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.] [03/10/22: It was discussed that G&R / Brothers will need to coordinate cutting the new conduits into the manhole with Verizon.]
LWB Brothers G&R ALL-COM	03/10/22	B10.5.04	Municipal Alarm Work in HQ: The following was discussed: <ul style="list-style-type: none"> - There are six three-inch conduits between the MDF and the Watch Room terminating at a box above the ceiling. One conduit shall be dedicated to the cabling being installed by LWB, however LWB noted data cabling could be pulled after LWB pulls their (1) ISMA cable and (3) #6 cables. - There are five six-inch boxes in the three walls at the rear of the Watch Room console, each with two 2-inch conduits up into the ceiling space. These will be adequate for LWB, ALL-COMM and Brothers, but use and location will need to be coordinated. - There is a dedicated area in the MDF for LWB's equipment. LWB and LA will further review MDF equipment layout. - LWB will be installing grounding for their equipment. - LWB expects off-site cable work to take one month, and work in the HQ Building two weeks. - LWB is to turn over municipal antenna to the tower installer for installation.
LWB DiNisco D&E DE WFD WE MBC	03/18/22	B10.5.05	Station 3 Conduit Meeting (Postscript): A meeting to review cabling / conduit routing and traffic cabinet location will take place at Station 3 at 2:30 PM Tuesday, 03/22/22.

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.] [03/10/22: G&R advised that they expect to begin the tower foundation work mid-April.]
Industrial	09/29/21		
LW Bills	01/24/22		
	01/27/22		
	02/03/22		
	02/10/22		
	03/10/22		
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.

- Eversource 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 recently.] [03/17/22: TEC has reached out to Eversource, copying G&R, inquiring as to the status of the new pole.]
- 01/13/22
01/20/22
01/28/22
02/03/22
03/08/22
03/17/22
- 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 inquire of ALL-COMM if there are back boxes they are 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.]
- Brothers 01/20/22
01/27/22
02/03/22
02/10/22
02/18/22
02/24/22

DiNisco	03/17/22	B18.2	Watch Room Conduits: DiNisco advised that they will be issuing clarification sketches coordinating the locations of conduits and boxes serving the Dispatch console equipment. DiNisco noted that the walls under the exterior windows will need to be furred out to accommodate horizontal conduit runs.
---	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.
DiNisco EPS WFD	03/03/22 03/10/22 03/17/22	B19.1.04	Remote Bell / Phones: 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. [03/10/22: WFD does not see the need for remote ringers, but a light in the bathroom may be helpful to provide notice of a 911 call. DiNisco will review with EPS.] [03/17/22: WFD advised that they will need to add a 911 phone and a house phone to Toilet 104A. DiNisco will issue a PR for the house phone (conduit and cable) and the 911 phone (conduit only, cable by EPS). WFD was also informed by EPS that new 911 phones (now three required) and a new printer will need to be purchased by the project, as the existing phones and printer should not be out of service during relocation. WFD will get phone and printer particulars from EPS; DiNisco stated the phones and printer purchased through the tech budget.]
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 DiNisco Edvance CIO	02/24/22 03/03/22	B21.	Security Monitors: WFD inquired how (what workstations) will CCTV cameras be monitored. DiNisco and tech consultant will review with WFD. [03/03/22: At David M.'s request, following the meeting, DiNisco forwarded the security system shop drawing submission. David M. will be part of the discussion with WFD on security system operation.]
WFD DiNisco Edvance	02/24/22	B22.	Report Writing: WFD noted that at shift change as many as four EMT's will need computer access to write reports. It was 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 DiNisco Edvance	03/03/22	B23.	Tech Procurement: Edvance has forwarded the technology plans and spreadsheet to David M. so that he can begin to determine hardware requirements and lead times. Edvance, DiNisco and David M. will schedule a meeting to review spreadsheet and coordinate procurement.
CIO DiNisco	03/10/22	B24.	Private Cable: WFD noted that the firefighters have privately billed cable TV service in the other stations. DiNisco will review with David Mastronardi.
WFD DiNisco EPS ALL-COMM LWB	03/17/22	B25.	Dispatch Move: It was discussed that it will be necessary to coordinate the transition of the dispatch functions from Station 3 to the new building.

B26.

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 02/03/22 02/17/22 03/03/22 03/17/22	C23.	Sheet Metal Permit: Tom Quinn advised that CAM should obtain the sheet metal permit prior to beginning ductwork. [02/03/22: G&R reported CAM has obtained the permit and it will be posted.] [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.] [03/17/22: G&R reported that CAM has obtained the sheet metal permit and will be providing the permit number for posting.]

G&R	03/03/22	C24.1	Joist Repairs / Final UTS Inspection: G&R reported 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. [03/10/22: G&R advised they expect erector on site next week to perform the joist repairs.] [03/17/22: MBC noted UTS's recent inspection of the support building found some joist burn through there as well.]
UTS	03/10/22		
	03/17/22		
G&R	03/17/22	C27.	Roof Inspections: G&R reported that Sika Sarnafil's inspector was on site Monday and G&R will distribute their report. G&R will advise MBC in advance of Sika Sarnafil's next inspection.

C28.

D. CONSTRUCTION SCHEDULE

G&R	01/27/22 02/03/22 02/10/22 02/24/22 03/03/22 03/10/22 03/17/22	D04.3.05	CPM Schedule / February Update: G&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&R had taken any steps to accelerate the completion date. G&R replied that they have taken steps to work under winter conditions (not wait until spring) and are pressing the subs, but G&R has not looked into overtime to accelerate the schedule. [02/03/22: G&R reported that they are in the process of updating the schedule. In response to MBC's question, G&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&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&R on 02/23/22. G&R will complete and submit update for February/March.] [03/03/22: G&R reported that the schedule is under internal review and will be distributed next week.] [03/10/22: G&R is still revising the schedule to include work shifted from the winter. G&R stated the anticipated 10/22/22 substantial completion date is not changed.] [03/17/22: G&R reported that they met with the subcontractors this morning to review the schedule and that input will be incorporated into the update. G&R noted the 10/22/22 Substantial Completion date still stands.]
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- 03/17/22 D42. Look Ahead: G&R reviewed the look ahead schedule (attached), with the following noted:
- The vestibule foundations have been re-poured in the correct location.
 - CMU on line 12 has begun. Upon completion, the adjacent CMU partitions will be built as well as stair tower back up.
 - Door frames have been delivered and are being installed.
 - Granite curb will be delivered Monday.
 - Administration roof will be tight 03/18, then work will start on the south roofs.

D43.

E. SUBMITTAL SCHEDULE

G&R	10/07/21 01/13/22 01/20/22 01/27/22 02/10/22 02/17/22 03/10/22 03/17/22	E07.3	<p>Submittal Schedule Update (Postscript): DiNisco asked G&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&R noted that several miscellaneous metal submissions are forthcoming.] [11/10/21: G&R expects remaining finishes submittals to be made the next couple weeks, as will be the remaining miscellaneous iron items.] [12/09/21: G&R will update the schedule showing remaining submittals to be made.] [01/13/22: In response to DiNisco's question, G&R reported all schedule critical submissions have been made, with only miscellaneous items and some finishes yet to be submitted.] [01/20/22: G&R stated that they will have a submittal schedule update next week.] [01/27/22: G&R will distribute the updated submittal schedule before the next job meeting.] [02/10/22: G&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&R is in the process of compiling the remaining submittal schedule incorporating items identified in the list DiNisco provided.] [03/10/22: G&R reported they are referencing the list prepared by DiNisco with mostly "specialty" submittals outstanding.] [03/17/22: G&R has completed an updated submittal schedule and they will email it to DiNisco and MBC.]</p>
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G&R	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. [03/17/22: The support building stair is the only one for which Larkin needs to submit the calculations.]
Larkin	03/17/22		
DiNisco	03/03/22 03/22/22	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. [03/22/22-Postscript: Shop drawings submitted for review.]

E08.

F. SUBMITTALS

G&R	05/14/21	F10.	Construction Indoor IAQ Plan to be submitted within 21 days of NTP.
Facades	03/17/22	F39.1.02	Support Building Details: Prior to the meeting DiNisco met with G&R, Facades and Baystate Drywall to discuss the support building. The following was noted: - DiNisco's LGMF shop drawing review notes were not clear and DiNisco confirmed that metal stud backup construction is required for metal panels where shown on the wall sections. - During design, the Kingspan rep advised DiNisco that the splice plates shown in the contract document details are required; G&R, Facades and Baystate to coordinate and meet the manufacturer's requirements. - Facades will submit an alternate trim detail for 11/3.9.14.
---	03/17/22	F55.	Submittal Log: G&R distributed the log with priority items highlighted (attached). Record Item.

F56.

G. COORDINATION DRAWINGS

--- 01/06/22 G06.2 Coordination Drawings: G&R reported that the subs
 02/03/22 are revising the area under the precast plank and are
 02/17/22 preparing related cost proposals. G&R does not
 02/24/22 expect any other coordination issues, noting the HQ
 03/10/22 admin area and the support building are coordinated.
 03/22/22 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.] [03/10/22: HVAC
 drawings returned for revisions; VAV and TEC to return
 plumbing and electrical drawings, respectively.]
 [03/22/22-Postscript: As of 03/22/22, the plumbing
 electrical and HVAC as-built drawings have been
 returned Revise and Resubmit.]

G07.

H. PAYROLL REPORTS

--- 03/17/22 H15. Payroll Reports: MBC reported Brennan Concrete is behind in
 reporting.

H16.

I. REQUISITIONS

--- 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:
 03/10/22 The final requisition was signed at the meeting and turned over to
 03/17/22 the Auditor for processing and payment.] [03/10/22: It was
 reported check was mailed today.] [03/17/22: G&R reported
 check has been received.] Record Item.

G&R 03/17/22 I19. March Pencil Requisition: Noting Dick Murphy will be away the
 week of 03/28, MB C requested that G&R submit the pencil
 requisition before 03/28 to facilitate review.

I20.

J. CHANGE ORDERS

--- 03/17/22 J20. Change Request Log: G&R distributed the Change Request Log
 (attached) for review. Record Item.

J21.

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:
03/21/22 DiNisco will issue field order covering devices not addressed by RFI 070 response.] [03/21/22-Postscript: Field Order issued.] Record Item.

--- 03/17/22 O43. RFI Update: The RFI Log was reviewed (attached). Record Item.

O44.

P. DEMOLITION

P01.

Q. SITE WORK

R&S 01/20/22 Q10.1.07 Landscape Subcontractor: G&R advised that Viking
RJP 01/27/22 has backed out of the project and G&R will be signing
BSI 02/03/22 another contractor yet to be determined. DiNisco,
02/17/22 noting previous discussions as to plant availability,
02/24/22 urged the submission of the plant list in February.
03/03/22 [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.]

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- 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.] [03/10/22: G&R reported that they have reached out to Eversource regarding upcoming service installation.] [03/17/22: G&R noted they called NGrid on 03/16 to confirm scheduling the work.]
NGrid	11/24/21		
	01/07/22		
	02/10/22		
	02/24/22		
	03/10/22		
	03/17/22		
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- 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.] [03/17/22: G&R expects to excavate for the tower foundation the end of April / early May.]
GZA	02/04/22		
	03/17/22		

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
03/10/22 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.] [03/10/22: G&R reported Greenfield
has everything they need on hand to correct the mock-up, which
will be done in a couple weeks.]
- G&R 03/17/22 R10. Window Questions: G&R advised that the hardware changes have
addressed the window size questions, and G&R will confirm with
Efco.
- DiNisco 03/17/22 R11. MEP Markers: In response to MBC's question, DiNisco advised
that the MEP trades do not own placing markers on ATC ceilings
for above ceiling MEP devices needing access. It was discussed
and agreed DiNisco will issue a Proposal Request to have markers
installed to aid service.

R12.

S. STRUCTURAL

S08.

T. FIRE PROTECTION

T04.

U. PLUMBING

U03.

V. HVAC

V01.

W. ELECTRICAL

W04.

X. HAZARDOUS MATERIALS

X01.

Y. MISCELLANEOUS

Y15.

ZA. COMMISSIONING

G&R	10/20/21	ZA03. Commissioning Kick-off Meeting: It was agreed that a commissioning kick-off meeting will be scheduled at an appropriate time. Attending will be the MEP subs and DiNisco's MEP consultants, who will be performing the commissioning. [11/09/21: DiNisco advised that the kick off meeting will be 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.] [03/15/22- Postsript: BAS resubmitted on 03/15.] [03/18/22-Postsript: BAS returned revise and resubmit.]
Consultants	11/09/21	
DiNisco	01/13/22	
Subs	01/27/22	
	02/17/22	
	02/24/22	
	03/15/22	
	03/18/22	
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 drawings, especially underslab and site utility work being concealed. MBC and consultants will review monthly. [09/29/21: 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.]
	09/29/21	
	02/03/22	
	02/10/22	

ZB11.

ZZ. CONSTRUCTION PROGRESS

---	03/17/22	ZZ38. Construction Progress: The Architect walked the site and observed the following: (Record Item)
		- Site: Site subcontractor not on site.
		- Interior Walls: First floor metal studs nearly completed. Mason mobilized.
		- Roofing: Work on admin wing ongoing.
		- MEP Roughing: Ongoing.

ZZ39.

The next on-site Job Meeting will be held **Thursday, March 24, 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 03/16/22
G&R Submittal Log dated 03/16/22
G&R CR Log dated 03/16/22
G&R RFI Log dated 03/16/22

Report By: Cullen Humfries

Report Type: Open Items

Date: 3/16/2022

Project: Woburn Fire Headquarters

Total Items: 14

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	000001-009-0	Plumbing Coordination Drawings		02/22/2022	02/22/2022					Consultant,Arch	22
000001 General Items	000001-009-1	Resubmittal of Plumbing Coordination Drawings		03/15/2022	03/15/2022					Consultant,Arch	1
000001 General Items	000001-010-1	Resubmittal of Fire Protection Coordination Drawings	Xcel	03/16/2022	03/16/2022					Consultant,Arch	0
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	22
050001 Miscellaneous & Ornamental Iron	050001-011-2	Resubmittal of Roof Ladder Shop Drawings	Larkin Iron Works	03/16/2022	03/16/2022					Consultant,Arch	0
055000 Miscellaneous Metals	055000-011-1	Resubmittal of Support Building OH Door Framing		03/15/2022	03/15/2022					Consultant,Arch	1
080001 Metal Windows	080001-014-0	Glazing Samples		03/14/2022	03/14/2022					Consultant,Arch	2
090002 Tile	090002-013-0	Ceramic Tile Samples	Pavilion	03/16/2022	03/16/2022					Consultant,Arch	0
101100 Markerboard & Tackboards	101100-001-0	Markerboard & Trim Product Data		03/16/2022	03/16/2022					Consultant,Arch	0
101400 Identifying Devices	101400-002-0	Interior Signage Product Data & Shop Drawings		03/02/2022	03/02/2022					Consultant,Arch	14
102600 Prefabricated Specialties	102600-005-0	Fire Extinguisher & Cabinet Product Data		03/16/2022	03/16/2022					Consultant,Arch	0
102813 Toilet, Bath & Laundry Accessories	102813-001-1	Resubmittal of Toilet Accessories Schedule		03/14/2022	03/14/2022					Consultant,Arch	2
250001 Building Automation System	250001-001-1	Resubmittal of BAS Product Data		03/15/2022	03/15/2022					Consultant,Arch	1
270100 Structured Cabling Systems	270100-001-0	Structured Cabling System Product Data		03/15/2022	03/15/2022					Consultant,Arch	1

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/16/2022

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Not issued				
4	8/31/21	(Unit Pricing) Foundation Excavation Changes		
6	6/29/21	(Steel Delay) Extension of Time Request		
16	10/1/21	(FO #011) Seat Angle at Column F.5 thru 14.9		
30	12/8/21	(FO #021) Preliminary Door Keying Schedule		
34	1/26/22	Added Digital Locks at Lockers		
37	3/10/22	(PR #013) Various Changes per RFI #65R		
42	3/2/22	(PR #018) Drying Rack at 133 Firematic Storage		
43	2/7/22	(PR #019) Interface Overhead Door Controls and Traffic Light Preemption Switch to Dispatch Display		
44	2/7/22	(PR #017) Electrical Changes at EF-4		
45	2/21/22	(PR #021) Revisions to Flat Panel Locations		
47	3/1/22	(FO #040) Relocation of Manual Shutoff for PPE Washers		
48	3/2/22	(PR #022) Door Control Revisions		
49	3/11/22	(PR #024) - Added Data for Exercise Equipment		
Not issued Total			0.00	
Submitted				
28	1/27/22	(PR #012) Delete Benches & Lockers at Exercise 127	-4,962.14	APPROVED
35	1/24/22	Ledge at Wall No. 2	8,050.00	
36	2/1/22	(PR #014) Delete Lights at Storage 108	-424.58	APPROVED
39	2/1/22	(PR #016) Exterior Lighting Revisions	-388.73	APPROVED
40	3/10/22	(PR #015) Eversource Utility Pole	-2,369.97	To be revised
41	2/23/22	(FO #031) Relocate Mop Sink at Room 203	775.06	APPROVED
46	3/11/22	(PR #020) Support Building Railing Modifications	2,594.88	APPROVED
Submitted Total			3,274.52	
Approved				
1	6/22/21	FSB Electrical Re-bid (For Owner Issued CO)	72,000.00	1
2	6/22/21	FSB HVAC Re-bid (For Owner Issued CO)	77,000.00	2
3	8/31/21	(FSB Electrical Re-bid) Generators for Trailer Temp. Power	1,514.66	3
5	6/29/21	(PR #001) Move Temporary Construction Fence	1,816.60	3
7-R2	10/21/21	(PR #002 and CCD #003) Additional Municipal Fire Alarm Conduit	8,610.60	4
8-R2	10/15/21	(PR #003) Additional Floor Box at Conference Room 123	2,701.29	4
10-R1	10/1/21	Radio Tower Foundation Change	2,820.50	4
11	8/24/21	(PR #004) Site Utility Revisions	1,335.25	4
13-R1	10/1/21	(PR #005) Venting Changes at O/S	9,152.96	4
15-R1	10/21/21	(PR #006) Revision to Trench Drain Venting at Apparatus Bay	9,490.88	4
18-R3	1/19/22	(PR #007) Miscellaneous Revisions to GWB Scope	4,951.54	5
21	10/21/21	(PR #008) - Power & Data at Support Building Counter	1,744.14	4
22-R1	11/23/21	(PR #009) Additional FDC for Training	3,029.27	5
23-R1	12/9/21	(PR #010) - Added Beam at Stair B	5,323.23	5
25	11/9/21	(RFI #053) Gas Line Modifications at Support Building	1,327.56	5
27-R2	1/26/22	(PR #011) Fire Dampers at Fire Pole 205	1,465.81	5

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/16/2022

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Approved				
31	1/12/22	(FO #018) Hardware Function Change at Toilet Room Doors 124.1 & 125.1	529.81	5
38	1/6/22	(RFI #059) Door Hardware Credit	-5,000.00	5
Approved Total			199,814.10	
Voided				
9	8/16/21	(FO #005) Backfill at Sanitary Line at Grid Line 17 - Flowable Fill		
12	9/3/21	(FSB Electrical Re-bid) Generator Rental for Trailers - Additional Months	2,765.90	
14	9/17/21	(Protest) Utility Company Costs for New Pole & Additional Months of Generator Rental	11,128.91	
17	9/28/21	(FO #012) Refrigerator Swap at Support Building Office		
19	9/28/21	(FO #014) Shift Windows & Roof Ladder at Kitchen & Dining 207		
20	10/5/21	(FO #015) - Concrete Pad Dimensions at Metal Casework		
24	10/21/21	(FO #017) Revised Fire Sprinkler Lines		
26	11/12/21	Chamfer at Watertable CMU	5,345.64	
29	12/8/21	(FO #022) Ceiling Clarifications at Kitchen & Dining		
32	12/8/21	(FO #020) Storefront Head Detail at Main Entry Canopy		
33	12/15/21	(FO #023) CMU Partitions at Support Building Toilet Rooms		
Voided Total			19,240.45	
				Original Contract Amount: 17,647,000.00
				Approved Contract Changes: 199,814.10
				Revised Contract Amount: 17,846,814.10
				Pending Contract Changes: 3,274.52



Report By: Cullen Humfryes

Report Type: Open Items

Date: 3/16/2022

Project: Woburn Fire Headquarters

Total Items: 3

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-L-C</u>	<u>Days Open</u>
Electrical	101	Flat Panels and Displays Location	03/14/2022	03/14/2022				Consultant, Arch	2
Electrical	102	Room 207 Devices	03/14/2022	03/14/2022				Consultant, Arch	2
Electrical	104	Lighting Control Questions	03/16/2022	03/16/2022				Consultant, Arch	0