

OBSERVATION REPORT NO. 42

Project: **Woburn Fire Headquarters**

Date: 24 March 2022

Location: Job Site

Attendees: Woburn Fire Department

Donald Kenton, Chief
George Poole, Deputy

Municipal Building Consultants (MBC)

Dick Murphy
Pat Saitta

DiNisco Design (DD)

Rick Rice
Anne Woodacre

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.



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 03/24/22	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.] [03/24/22: G&R will review with Brothers getting Verizon involved.]
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.
D&R DE	03/18/22 03/24/22	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. [03/24/22: Meeting took place on 03/22. DPW to clear brush at existing FA box so that possible existing handhole may be located. Based on this, D&R / DE to submit price proposal.]

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.] [03/24/22: G&R noted all frost is out of the ground and work will begin mid-April.]
Industrial	09/29/21		
LW Bills	01/24/22		
	01/27/22		
	02/03/22		
	02/10/22		
	03/10/22		
	03/24/22		
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 01/13/22 01/20/22 01/28/22 02/03/22 03/08/22 03/17/22	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 revise 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.]
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	03/03/22	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.] [03/24/22: WFD reported that in a follow up with EPS, EPS confirmed that they will move the two existing phones from Station 3 to the Watch Room, and one new 911 phone will need to be purchased by the project. WFD noted this will be confirmed by email.]
EPS	03/10/22		
WFD	03/17/22		
	03/24/22		
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 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.]
DiNisco	03/03/22		
Edvance			
CIO			
WFD	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.
DiNisco			
Edvance			

CIO DiNisco Edvance WFD	03/03/22 03/24/22	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. [03/24/22: Noting that tech procurement is the last budget component fully confirmed, MBC stated this meeting should be scheduled ASAP.]
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 Remington	03/03/22 03/10/22 03/17/22 03/24/22 03/25/22	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.] [03/24/22: G&R stated HQ repairs have been completed and reported that they need UTS's 03/17/22 site visit report before doing the support building repairs. [03/25/22- Postscript: UTS site visit report distributed.]

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.
 Greenwood 03/24/22
 MBC
 [03/24/22: Sarnafil was on site again on 03/23, but G&R did not have prior notice. G&R will discuss with Greenwood receiving Sarnafil's site visit schedule so that MBC may be present for the Sarnafil inspections.]

C28.

D. CONSTRUCTION SCHEDULE

G&R 01/27/22 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.] [03/24/22: G&R reported that after reviewing the updated schedule with the MEP and masonry subcontractors, G&R is adjusting the schedule update before distributing it. G&R stated the substantial completion date remains late October.]

G&R 03/24/22 D04.3.06 Long Lead Items: Potential long lead items were discussed. G&R will confirm delivery of switchgear, which thus far is expected on schedule since they were released last November. G&R reported that the transformer is reserved with Eversource with delivery to be scheduled after the pad is placed by RJP and inspected by Eversource. G&R will confirm that Eversource has reviewed the submitted pad. G&R noted that RJP will place the transformer pad after completing the retaining wall work. Regarding other lead times, G&R did note that getting hard delivery dates on some equipment is difficult, however HVAC equipment is on hand.

--- 03/24/22 D43. Look Ahead: G&R reviewed the look ahead schedule (attached), with the following noted:
- RJP to be back on site next week, first backfilling the repaired vestibule foundations, then doing in order: site walls, transformer pad, antenna foundation.
- Masonry at line 12 completed yesterday and Commercial is now doing adjacent CMU partition, and will start veneer in a couple weeks.

D44.

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>
G&R Larkin	03/03/22 03/17/22 03/24/22	E07.3.05	<p>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.] [03/24/22: G&R noted that Larkin is close to wrapping up all their submittals.]</p>
Greenfield	03/03/22 03/22/22 03/24/22	E07.3.06	<p>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.] [03/24/22: DiNisco has approved the SS frames, but noted the aluminum door / window units that fit in the SS frames still must be submitted.]</p>

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.
---	03/24/22	F56.	Submittal Log: G&R distributed the log with priority items highlighted (attached). Record Item.
CAM	03/24/22	F57.	BAS Resubmission: G&R reported that CAM felt that previous review comments had all been addressed by the latest submission that was returned Revise and Resubmit by VAV. DiNisco stated if G&R feels it would be helpful, a conference call with CAM and G&R could be scheduled.

F58.

G. COORDINATION DRAWINGS

--- 01/06/22 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.] [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 coordination 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. [03/24/22: MBC reported no change this week.]

H16.

I. REQUISITIONS

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. [03/24/22: DiNisco requested the pencil copy be available before the 03/31 job meeting. Dick Murphy will review the req on 04/04/22 upon his return.]

VAV 03/24/22 I19.1 MEP Site Visit: VAV and TEC will schedule site visits once the March pencil req is available for review.

TEC

I20.

J. CHANGE ORDERS

DiNisco 03/24/22 J21. Change Request Log: G&R distributed the Change Request Log (attached) for review. DiNisco will prepare Change Order #6 including all approved CR's so that they may be on the March requisition. MBC replied to G&R's question that it is not necessary for G&R to wait for the change order to be signed to perform work for which a CCD has been issued because items are approved with the Mayor in advance of the formal signature and a change order.

J22.

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.

--- 03/24/22 O44. RFI Update: The RFI Log was reviewed (attached). Record Item.

O45.

P. DEMOLITION

P01.

Q. SITE WORK

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.] [03/24/22: G&R will first meet on site with R&S and RJP, then will schedule the meeting with BSI. G&R noted that a possibility might be to push plantings from fall to more favorable Spring '23 planting conditions. MBC noted their preference would be to complete the contract work expediently. This will be further discussed.]
RJP	01/27/22		
BSI	02/03/22		
	02/17/22		
	02/24/22		
	03/03/22		
	03/24/22		
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- 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
 GZA 02/04/22 provided elevations of ledge encountered below the tower
 03/17/22 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.]

Q24.

R. ARCHITECTURAL

MBC 09/22/21 R05. Window Testing: DiNisco confirmed that windows will be tested in
 01/20/22 place, beginning with the windows in the sample panels, with the
 02/17/22 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.]

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
 03/24/22 addressed the window size questions, and G&R will confirm with
 Efco. [03/24/22: G&R will submit confirmation of discussions with
 Efco for record.]

- 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.
- G&R
DiNisco 03/24/22 R12. Fire Pole: It was discussed that a beam segment must be shortened to provide clearance at a junction box serving the pole. G&R does not yet have any loading data to address the connection at the top of the pole. Alternates discussed were a threaded extension on the pole to the deck or LGMF framing just above the ceiling.
- 03/24/22 R13. Parapet Construction: After the job meeting DiNisco, G&R, Commercial Masonry and Bay State Drywall discussed locations where parapet framing and beam LGMF and sheathing infill will be 1 1/2" - 2" further back relative to the face of masonry veneer. DiNisco reviewed contract drawing details and wall sections, stating face of veneer / parapet shall be as dimensioned on the wall sections. It was agreed that the parapet face would be extended 1 1/2" - 2" with blocking at the gravel stop, and that the beam infill will remain as constructed.

R14.

S. STRUCTURAL

S08.

T. FIRE PROTECTION

T04.

U. PLUMBING

U03.

V. HVAC

V01.

W. ELECTRICAL

W04.

X. HAZARDOUS MATERIALS

X01.

Y. MISCELLANEOUS

- 03/24/22 Y15. Submittal Exchange: It was noted everyone received a notice from Submittal Exchange the past week; G&R advised that the yearly subscription has been renewed. Record Item.
- 03/24/22 Y16. MBC Site Coverage: MBC noted Dick Murphy will be on vacation the week of 03/28/22 and Joe Miele will be on site covering. Record Item.

Y17.

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
 03/15/22 submitted and approved.] [01/13/22: DiNisco stated a Cx kick-off
 03/18/22 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-
 Postscript: BAS resubmitted on 03/15.] [03/18/22-Postscript:
 BAS returned revise and resubmit.]
- VAV 03/24/22 ZA03.1 CxA Services: MBC requested that DiNisco remind
 TEC VAV and TEC to keep track of their respective CxA
 services hours for submission for payment.
- 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
03/24/22 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.]
[03/24/22: G&R noted subs are updating their as-builts, noting
that so far all work has been installed per the coordination
drawings.]

ZB11.

ZZ. CONSTRUCTION PROGRESS

--- 03/24/22 ZZ39. Construction Progress: The Architect walked the site and
observed the following: (Record Item)
- Site: Site subcontractor not on site.
- Interior Walls: Metal stud work ongoing - mason installing CMU
partitions north of line 12.
- Roofing: Work on Apparatus Bay beginning.
- MEP Roughing: Ongoing.

ZZ40.

The next on-site Job Meeting will be held **Thursday, March 31, 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 03/24/22
G&R Submittal Log dated 03/23/22
G&R CR Log dated 03/23/22
G&R RFI Log dated 03/23/22



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/23/2022

Project: Woburn Fire Headquarters

Total Items: 17

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>
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	29
050001 Miscellaneous & Ornamental Iron	050001-010-2	Resubmittal of Resubmittal of Support Building Roof Rail Shop Drawings		03/21/2022	03/21/2022					Consultant,Arch	2
050001 Miscellaneous & Ornamental Iron	050001-017-1	Resubmittal of Product Data for Casters, Latches, and Hinges at Mezzanine Gates		03/22/2022	03/22/2022					Consultant,Arch	1
051200 Structural Steel Framing	051200-009-1	Resubmittal of Structural Steel Erection Drawings - Record		03/22/2022	03/22/2022					Consultant,Arch	1
053100 Steel Decking	053100-001-2	Resubmittal of Steel Decking & Steel Joist Shop Drawings		03/22/2022	03/22/2022					Consultant,Arch	1
055000 Miscellaneous Metals	055000-011-2	Resubmittal of Resubmittal of Support Building OH Door Framing		03/22/2022	03/22/2022					Consultant,Arch	1
070002 Roofing & Flashing	070002-013-0	Splash Box Shop Drawing	Greenwood	03/18/2022	03/18/2022					Consultant,Arch	5
080001 Metal Windows	080001-014-0	Glazing Samples		03/14/2022	03/14/2022					Consultant,Arch	9
080001 Metal Windows	080001-015-0	Training Tower Stainless Steel Frame Shop Drawings	Greenfield Glass	03/21/2022	03/21/2022					Consultant,Arch	2
090007 Painting	090007-002-0	Paint Sample Boards		03/23/2022	03/23/2022					Consultant,Arch	0
101100 Markerboard & Tackboards	101100-001-0	Markerboard & Trim Product Data		03/16/2022	03/16/2022					Consultant,Arch	7
101400 Identifying Devices	101400-002-0	Interior Signage Product Data & Shop Drawings		03/02/2022	03/02/2022					Consultant,Arch	21
102113 Compartments & Cubicles	102113-001-0	Toilet Compartment Shop Drawings		03/18/2022	03/18/2022					Consultant,Arch	5
102600 Prefabricated Specialties	102600-006-0	Corner Guard Product Data		03/17/2022	03/17/2022					Consultant,Arch	6
122413 Roller	122413-001-	Roller Shade Samples for Verification		03/18/2022	03/18/2022					Consultant	5



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Shades	0									nt,Arch	
122413 Roller Shades	122413-002-0	Roller Shade Product Data		03/22/2022	03/22/2022					Consultant,Arch	1
270100 Structured Cabling Systems	270100-001-0	Structured Cabling System Product Data		03/15/2022	03/15/2022					Consultant,Arch	8

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/23/2022

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		
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		
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		
50	3/18/22	(PR #025) Delete Hose Bib at 222		
51	3/18/22	(PR #023) Storefront Type KK Installation Details		
Not issued Total			0.00	
Submitted				
28	1/27/22	(PR #012) Delete Benches & Lockers at Exercise 127	-4,962.14	Approved
35	4/24/22	Ledge at Wall No. 2	8,850.00	
36	2/1/22	(PR #014) Delete Lights at Storage 108	-424.58	Approved
37	3/18/22	(PR #013) Various Changes per RFI #65R	7,612.65	Brothers to make changes
39	2/1/22	(PR #016) Exterior Lighting Revisions	-388.73	Approved
40	3/10/22	(PR #015) Eversource Utility Pole	-2,369.97	
41	2/23/22	(FO #031) Relocate Mop Sink at Room 203	775.06	Approved
44	3/22/22	(PR #017) Electrical Changes at EF-4	905.98	
46	3/11/22	(PR #020) Support Building Railing Modifications	2,594.88	Approved /G&R will address OH&P
49	3/22/22	(PR #024) - Added Data for Exercise Equipment	2,629.37	
Submitted Total			14,422.52	
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

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/23/2022

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Approved				
27-R2	1/26/22	(PR #011) Fire Dampers at Fire Pole 205	1,465.81	5
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:
				14,422.52



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/23/2022

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-I-C</u>	<u>Days Open</u>
Architectural	110	Full Height Masonry Walls	03/22/2022	03/22/2022				Consultant, Arch	1
Architectural	111	Electrical Enclosure Access	03/22/2022	03/22/2022				Consultant, Arch	1
Electrical	104	Lighting Control Questions	03/16/2022	03/16/2022				Consultant, Arch	7