OBSERVATION REPORT NO. 37

Project:	**Woburn Fire Headquarters**	
Date:	17 February 2022	
Location:	Job Site	
Attendees:	Woburn Fire Department	George Poole, Deputy
	Woburn Building Department	Tom Quinn, Commissioner
	Woburn Auditor's Department	Justin MacCutcheon, Assistant Auditor
	Municipal Building Consultants (MBC)	Dick Murphy Pat Saitta
	DiNisco Design (DD)	Rick Rice Anne Woodacre
	G&R Construction (G&R)	Dan Aylward Ian McCallion Dave Bacchiocchi 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.
Woburn	05/14/21	B02.4	City will mill and pave Main Street after utility work is done.

DiNisco	11/24/21 12/22/21 01/06/22 01/20/22 01/27/22 02/03/22	B02.5	FF&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&E items have been purchased at this time and explained that, after the dispatch communications bids are received 12/02/21, the FF&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&E items previously discussed with WFD prior to going out to bid. [12/22/21: The meeting will be scheduled for the week of 01/17; DiNisco to propose specific date/time.] [01/06/22: DiNisco and WFD will meet at 1:00 PM Wednesday, 01/19 to review FF&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.] [01/27/22: DiNisco is revising FF&E budget based on the 01/26 meeting with WFD for review with the Mayor.] [02/03/2022: DiNisco noted that the FF&E should be bid in late February / early March for September / October delivery.]
DiNisco	12/01/21 02/03/22 02/11/22	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.]

DiNisco	09/29/21 11/24/21 12/01/21 01/06/22 01/27/22 02/04/22	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-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.]

DE D&R G&R Brothers	09/29/21 10/13/21 10/20/21 10/27/21 11/03/21 11/24/21 01/07/22 01/24/22	B09.5.05	Traffic Signal Schedule: - Dagle will schedule borings for masts the next two weeks. - 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. - 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. - Lead time for signal mast and arms is six months and new signal must be operational before old signal can be removed. [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.] [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.] [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.]

G&R Brothers	09/29/21 10/27/21 11/03/21 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 Verizon DPW	02/10/22	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.
G&R	12/09/21 12/22/21 01/06/22 01/13/22 01/20/22 01/27/22 02/03/22 02/10/22	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.]

G&R Industrial LW Bills	08/18/21 09/29/21 01/24/22 01/27/22 02/03/22 02/10/22	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.]
G&R Kamco	11/03/21 12/03/21 12/09/21 01/24/22 01/27/22 02/04/22 02/11/22 02/17/22	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.]
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 01/13/22 01/20/22 01/28/22 02/03/22	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.]
DiNisco	02/03/22 02/17/22	B17.2	Eversource Service Easement: DiNisco will contact City to determine if they need any information from the project team to prepare the easement for the pole. [02/17/22-Postscript: The City Solicitor forwarded to DiNisco and MBC a copy of the Eversource service easement document signed by the Mayor.] Record Item.
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.
LW Bills	01/13/22 01/20/22 01/27/22 02/03/22 02/10/22 02/18/22	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.]

DiNisco	02/17/22	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.
---	02/17/22	B20.	DiNisco responded to the following questions posed by WFD (Record Item): - The dispatch chairs will not be the same as the office task chairs which WFD viewed at the Wyman School, but would be "heavy-duty" chairs suitable for 24/7 usage. - Ceilings will be high (9'-6") throughout the admin area, but not as high (10') as at the school. - Wood trim will be darker (red oak) than the maple used at the school.
		B21.	

C. PERMITS & INSPECTIONS

DiNisco	11/10/21	C17.	Occupancy Load Signage: TJQ noted occupancy signage will be required for meeting room.
UTS	01/13/22 01/20/22 01/27/22 02/03/22 02/10/22 02/17/22	C22.	Upcoming Steel Inspections: G&R expects the HQ to be ready for UTS' final inspection 01/18, and the Support Building in 1 1/2-2 weeks. [01/20/22: G&R reported UTS not yet called as final detailing is still being completed.] [01/27/22: It was reported that UTS did their final inspection of the HQ and found no issues. The Support Building will be ready for UTS final inspection the week of 02/07/22.] [02/03/22: G&R noted that the last of the steel detailing and the final UTS inspection may be put off by the pending severe weather.] [02/10/22: It was reported that UTS will be on site 02/11 prior to slab pour.] [02/17/22: UTS was on site Monday to inspect the support building, and will return to confirm remedial work is done.]
CAM	01/27/22 02/03/22 02/17/22	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.]
G&R	02/10/22 02/17/22	C24.	FBRA Inspection (Postscript): FBRA was on site after the job meeting on 02/10 to observe 2nd floor slab conditions prior to the pour 02/11 and their comments were relayed to G&R. G&R subsequently confirmed drag bars have been installed. G&R to document locations where deck welding burned through joist top chord and review with joist manufacturer if repairs are needed. [02/17/22: G&R has documented "burn through" locations and has sent them to Norgate for comment.]

---	02/17/22	C25.	Increased Inspections: In response to Tom Quinn's comment, it was noted that now that MEP roughing will begin soon throughout, increased City and design team inspections will occur. Record Item.
		C26.	

D. CONSTRUCTION SCHEDULE

MBC DiNisco	10/07/21 12/01/21 12/22/21 01/06/22 01/07/22	D04.3.03	Substantial Completion / Delay Due to Steel Availability: G&R has provided side-by-side bar schedules showing the effect of steel / joist availability, which G&R states has pushed out substantial completion to 30 September 2022. There was discussion as to how best to depict this delay. G&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&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&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&R intends to submit the time extension request the week of 01/03/2022.] [01/06/22: G&R advised that they will be submitting their time extension request by 01/07. MBC stated that it is hoped that G&R will work to achieve their roposed 09/30/22 Substantial Completion date.] [01/07/22-Postscript: G&R extension request received; DiNisco and MBC to review and respond.]

MBC G&R	11/10/21 11/17/21 12/01/21 12/09/21 12/16/21 12/22/21 01/06/22 01/13/22	D04.3.04	CPM Schedule: G&R has distributed the CPM schedule and has discussed with MBC other materials for G&R to provide (large format plot of network, float, etc.) prior to scheduling a meeting with MBC and DiNisco to review the schedule. [11/17/21: G&R and MBC have been discussing remaining schedule data MBC requested.] [12/01/21: G&R has completed the CPM schedule and will be formally uploading it to Submittal Exchange. G&R will provide updated CPM schedules monthly at requisition time going forward.] [12/09/21: G&R stated that they will submit an updated CPM Monday, 12/13.] [12/16/21: G&R distributed an updated CAM schedule on 12/15. This schedule showed completion of HQ steel erection sliding twelve days to 12/22 and a corresponding change in the substantial completion date from 09/30/22 to 10/12/22. In response to DiNisco's question, G&R stated that they are working on a recovery schedule to be submitted in early January.] [12/23/21: G&R advised updated schedule will be submitted the week of 01/03/2022.] [01/06/22: G&R advised they are working on the schedule update which they intend to submit 01/07. In response to MBC's question, G&R has not yet forecast a substantial completion date, but will with the completion of the update.] [01/13/22: G&R's first update of the CPM schedule was submitted on 01/07 and is under review by DiNisco and MBC.]
G&R DiNisco	01/27/22 02/03/22 02/10/22	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.]

---	02/17/22	D38.	Look Ahead: G&R reviewed the look ahead schedule (attached), noting: Record Item. - Rock removal expected to be completed 02/22. - Hollow metal frames for openings on 12 line expected today / tomorrow. - Admin slab on grade pour scheduled for next week. - Steel for watch room window received yesterday. - MBC noted that with the placement of the second floor slab last week, the observed increased activity by all trades is encouraging.
		D39.	

E. SUBMITTAL SCHEDULE

G&R	10/07/21 11/10/21 12/09/21 01/13/22 01/20/22 01/27/22 02/10/22 02/17/22	E07.3	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.]
---	02/03/22	E07.3.02	Missing Submittals: DiNisco noted the following submissions / resubmissions are outstanding: - Light Fixtures: Some still missing from initial submission review. - Training tower window assembly shop drawings. - Structural calculations for key connection point at all three stairs.

G&R	02/10/22		E07.3.03	Missing Submittals: G&R reported they have the required stair calculations, that the roofing will be resubmitted on 02/11, and the metal panel shops will be submitted early the week of 02/14. G&R noted they have asked Brothers about the missing light fixture submissions.
G&R	02/17/22		E07.3.04	Missing Submittals: G&R provided the following update on significant items: - Light Fixtures: Some of the remaining submittals have been forwarded for review, and the others are expected shortly. - Stair Calculations: G&R proposed a Zoom meeting with DiNisco and FBRA. - Roofing: To be resubmitted 02/18. - Metal Wall Panels: To be submitted 2/18. G&R noted wall panel materials have been released.
		E08.		

F. SUBMITTALS

G&R	05/14/21	F10.	Construction Indoor IAQ Plan to be submitted within 21 days of NTP.
DiNisco	01/13/22 02/03/22 02/10/22 02/18/22	F39.1	Metal Panel Shop Drawings: before the job meeting DiNisco reviewed with Facades and G&R DiNisco's most recent shop drawing review comments, which included difficulties reading CAD file line weights, missing specified scope and details. Facades and G&R will resubmit as discussed. [02/03/22: G&R noted resubmittal will be coming soon.] [02/10/22: G&R advised shops will be resubmitted early the week of 02/14.] [02/18/22-Postscript: Resubmitted for DiNisco review 02/18.]
DiNisco	01/27/22 02/03/22 02/10/22 02/18/22	F48.	Roofing Submittal Review: At G&R's request, DiNisco will meet with G&R and Greenwood to review DiNisco's previous shop drawing review comments. Meeting will take place at noon 02/03/22. [02/03/22: Before the job meeting DiNisco, G&R and Greenwood met to review DiNisco's review comments which Greenwood will address as discussed in their record resubmittal.] [02/10/22: G&R advised roofing will be resubmitted 02/11.] [02/18/22-Postscript: Resubmitted for DiNisco review 02/18.]
---	02/17/22	F51.	Submittal Log: G&R distributed the log with priority items highlighted (attached). Record Item.
		F52.	

G. COORDINATION DRAWINGS

G&R Subs	01/06/22 02/03/22 02/17/22	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.]

G07.

H. PAYROLL REPORTS

---	02/10/22 02/17/22	H13.	Payroll Reports: MBC reported all subs are up to date with the exception of the steel erector's crane operator. [02/17/22: MBC reported everyone is up to date except the crane operator.]

H14.

I. REQUISITIONS

Woburn	01/27/22 01/31/22 02/03/22	I17.	January Pencil Requisition: G&R expects to submit the January Pencil Req on 01/28, so that comments may be received and the final req issued for signature on 02/03. [01/31/22-Postscript: Pencil req submitted for DiNisco and MBC review.] [02/03/22: Final req signed by DiNsico at the job meeting and forwarded to the City for payment.]

I18.

J. CHANGE ORDERS

---	02/17/22	J17.	Change Request Log: The updated log was reviewed (copy attached).

J18.

K. CONSTRUCTION CHANGE DIRECTIVES (CCD)

K07.

L. FIELD ORDERS

L06.

M. PROPOSAL REQUESTS

---	02/17/22	M07.	Upcoming PR's: DiNisco has recently issued PR #20 for support building roof rail attachment, and PR #21 revising flat panel locations. DiNisco noted they will soon issue proposal requests for a minor revision to the Fire Prevention Office, and for access control changes outside the Watch Room. DiNisco noted that while issuing PR's rather than T&M CCD's is preferred, G&R should advise when the project schedule would warrant issuing changes as CCD's. Record Item.
		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 01/13/22	O33.	RFI Log: The RFI Log was reviewed (attached). RFI 070-Elec Device Height Coordination is the only open RFI. [01/13/22: DiNisco will issue field order covering devices not addressed by RFI 070 response.]
---	02/17/22	O39.	RFI Update: There is one open RFI (see log attached). Record Item.
		O40.	

P. DEMOLITION

P01.

Q. SITE WORK

RJP G&R	01/13/22 01/20/22 02/10/22 02/17/22	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 RJP DiNisco	01/13/22 02/17/22	Q10.1.06	Irrigation Sleeves: G&R advised that RJP will be installing the specified sleeves under pavements for future irrigation installation by WFD; WFD noted if they should decide to install irrigation it will be well after the project is completed. It is agreed that G&R will well document sleeve locations on the as-built drawings and by markers. [02/17/22: DiNisco will forward to G&R a drawing provided by WFD to locate the sleeves.]
R&S RJP BSI	01/20/22 01/27/22 02/03/22 02/17/22	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.]
G&R NGrid	11/17/21 11/24/21 01/07/22 02/10/22	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.]

G&R	01/13/22 01/14/22 01/20/22 01/27/22 02/03/22 02/10/22 02/17/22	Q22.2.01	Ledge Removal at Walls: G&R noted that, for a variety of reasons, RJP prefers to drill and remove the ledge rather than modify the wall, and G&R feels that it will be less costly as well. G&R will be submitting the cost comparisons soon as they want to remove the ledge at wall #2 (south wall) ASAP so that the unitized wall behind the tower can be completed. G&R did advise that the costs they intend to submit for removing ledge by drilling will exceed the specified Unit Prices, which are felt to be insufficient to cover the cost. DiNisco stated that G&R submitted a bid based on the specified Unit Prices, which G&R acknowledged. [01/14/22-Postscript: Cost comparison submitted by G&R for DiNisco and MBC review on 01/14.] [01/20/22: DiNisco responded to G&R's cost comparison on 01/17. G&R reported that they intend to submit a cost proposal for addressing the ledge at the walls. DiNisco disagreed with G&R's premise for submitting a claim, stating ledge removal, by either blasting or non-blasting means, as well as the unit costs for variance in specified ledge quantities were specified to be included in G&R's bid.] [01/27/22: G&R submitted cost proposal on 01/24/22, which DiNisco denied. G&R is proceeding with removing the ledge in order to keep the work on track and will restate their position.] [02/03/22: G&R noted rock drilling will start the week of 02/14 and is expected to take 3 days.] [02/10/22: Rock drilling will begin 02/14.] [02/17/22: Rock drilling began 02/16.]
G&R GZA	01/28/22 02/04/22	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.]
		Q24.	

R. ARCHITECTURAL

FBRA	02/03/22 02/10/22 02/17/20	R04.1.1	SOG Joints: Slab on deck will be done in a single pour and construction joints are not required. G&R to submit construction joint and saw joint locations of SOG for approval. [02/10/22: It was discussed that G&R will soon submit proposed cold joint and saw cut joint locations.] [02/17/22-Postscript: As requested by DiNisco, G&R forwarded slab on grade saw cut plan for FBRA review.]
MBC	09/22/21 01/20/22 02/17/22	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.]
Greenfield	01/27/22 02/10/22	R09.	Mock up: DiNisco reviewed the installation of the windows in the 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 Consultants DiNisco Subs	10/20/21 11/09/21 01/13/22 01/27/22 02/17/22	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.]
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 09/29/21 02/03/22 02/10/22	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.]

ZB11.

ZZ. CONSTRUCTION PROGRESS

--- 02/17/22 ZZ34. Construction Progress: The Architect walked the site and observed the following: (Record Item)
- Site: Drillers on rock at retaining wall.
- Slab on grade / Admin: Vapor barrier in place and is being sealed to foundations. Chairs for mesh being positioned.
- Exterior walls: Studs being installed at second floor HQ. Plastic tarps being installed on studs for temporary heat of pending first floor slab pour.

ZZ35.

The next on-site Job Meeting will be held **Thursday, February 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 02/17/22
G&R Submittal Log dated 02/16/22
G&R RFI Log dated 02/16/22
G&R CR Log dated 02/16/22

Woburn Fire Headquarters

3 Week Look Ahead Schedule - Period thru March 4th, 2022

Prepared by: Dave Bacchiocchi

Date Issue: February 17, 2022

		M 14-Feb	T 15-Feb	W 16-Feb	TH 17-Feb	F 18-Feb	M 21-Feb	T 22-Feb	W 23-Feb	TH 24-Feb	F 25-Feb	M 28-Feb	T 1-Mar	W 2-Mar	TH 3-Mar	F 4-Mar	Remaining (days):
SITEWORK																	
Drill and Break Rock at Retaining Walls																	
MASONRY																	
CMU at line 12 HQ	Commercial						Awaiting Door Frames										
ELECTRICAL																	
Electrical Piping at CMU Walls	Brothers Electric																
Install Floor Boxes and Hangers	Brothers Electric																
STRUCTURAL STEEL																	
Detail Steel & Install Decking at Support Building	Remmington																
Punch Work	Remmington																
PLUMBING																	
Install roof drains and sleeves	Araujo																
ROOFING																	
Continue AVB Work	Greenwood																
DRYWALL																	
Install Parapet Walls at HQ Building	Bay State Drywall																
Stud/Sheath Perimeter Walls at 2nd Floor	Bay State Drywall																
Layout/Stud Interior Walls 2nd Floor	Bay State Drywall																
CONCRETE SLABS																	
Enclose First and Second Floor at Admin for 2nd Floor Pour	G&R																
Prep for 1st Floor Admin Slab	Brennan Concrete																
Pour 1st Floor Admin Slab	Back Bay Concrete																

Report By: Ian McCallion

Report Type: Open Items

Project: Woburn Fire Headquarters

Log: Submittal

Date: 2/16/2022

Total Items: 23

Days Open Calculated by: Calendar Days since date Initially Created

Section	Item#	Description	Supplier or Manufacturer	Date from Subcontractor	Date from GC	Review by Consultant	Review by Architect	Return to Subcontractor	Action	B-I-C	Days Open
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	14
050001 Miscellaneous & Ornamental Iron	050001-004-3	Resubmittal of Resubmittal of Stair B Shop Drawings & Calculations	Larkin Iron Works	02/02/2022	02/02/2022					Consultant,Arch	14
050001 Miscellaneous & Ornamental Iron	050001-013-1	Resubmittal of Stair A - Calculations	Larkin Iron Works	01/28/2022	01/28/2022					Consultant,Arch	19
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	19
050001 Miscellaneous & Ornamental Iron	050001-016-0	Resubmittal of Stair C Calculations	Larkin Iron	02/14/2022	02/14/2022					Consultant,Arch	2
070001 Waterproofing, Dampproofing & Caulking	070001-019-0	Ultra-Low Modulus Silicone Sealant - Samples	The Waterproofing Company	02/16/2022	02/16/2022					Consultant,Arch	0
070001 Waterproofing, Dampproofing & Caulking	070001-020-0	Latex Based Caulking - Samples	The Waterproofing Company	02/16/2022	02/16/2022					Consultant,Arch	0
080001 Metal Windows	080001-013-0	Glazing Product Data		02/16/2022	02/16/2022					Consultant,Arch	0
087100 Finish Hardware	087100-004-0	Preliminary Keying Schedule	Kamco	01/24/2022	01/24/2022					Consultant,Arch	23
090002 Tile	090002-012-0	Tile Trim Samples	Pavilion	01/31/2022	02/01/2022					Consultant,Arch	16
090003 Acoustical Tile	090003-003-0	Grid System Samples	K&K	02/16/2022	02/16/2022					Consultant,Arch	0
090003 Acoustical Tile	090003-004-0	Acoustical Tile Samples		02/16/2022	02/16/2022					Consultant,Arch	0
090005 Resilient Flooring	090005-007-0	Rubber Sports Flooring Samples		02/16/2022	02/16/2022					Consultant,Arch	0

Report By: Ian McCallion

Report Type: Open Items
Date: 2/16/2022
Project: Woburn Fire Headquarters
Total Items: 23
Log: Submittal
Days Open Calculated by: Calendar Days since date Initially Created

Section	Item#	Description	Supplier or Manufacturer	Date from Subcontractor	Date from GC	Review by Consultant	Review by Architect	Return to Subcontractor	Action	B-I-C	Days Open
090005 Resilient Flooring	090005-008-0	Resilient Textile Flooring Samples		02/16/2022	02/16/2022					Consultant,Arch	0
090005 Resilient Flooring	090005-009-0	Synthetic Rubber Flooring Samples		02/16/2022	02/16/2022					Consultant,Arch	0
090005 Resilient Flooring	090005-010-0	Threshold & Reducers Samples		02/16/2022	02/16/2022					Consultant,Arch	0
090005 Resilient Flooring	090005-011-0	Vinyl Base Samples		02/16/2022	02/16/2022					Consultant,Arch	0
090005 Resilient Flooring	090005-012-0	Linoleum Composite Tile Samples	Capital Flooring	02/16/2022	02/16/2022					Consultant,Arch	0
210001 Fire Protection	210001-014-1	Resubmittal of Fire Protection System Shop Drawings & Calculations		02/15/2022	02/15/2022					Consultant,Arch	1
250001 Building Automation System	250001-001-0	BAS Product Data		02/16/2022	02/16/2022					Consultant,Arch	0
260001 Electrical	260001-018-0	Lighting Fixtures R7, R13, R14	Brothers Electrical	02/16/2022	02/16/2022					Consultant,Arch	0
321640 Granite Curb	321640-001-0	Granite Curb Shop Drawings		02/16/2022	02/16/2022					Consultant,Arch	0
321640 Granite Curb	321640-002-0	Granite Curb Product Data		02/16/2022	02/16/2022					Consultant,Arch	0

G&R Construction Inc.

Report By: Ian McCallion

Report Type: Open Items

Project: Woburn Fire Headquarters

Log: RFI

Date: 2/16/2022

Total Items: 1

Days Open Calculated by: Calendar Days since date Initially Created

Category	Item#	Description	Date from Subcontractor	Date from GC	Review by Consultant	Review by Architect	Return to Subcontractor	B-I-C	Days Open
Architectural	088	Locker Number Sequences	02/15/2022	02/15/2022				Consultant, Arch	1

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 2/16/2022

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	12/30/21	(PR #013) Various Changes per RFI#65R		
40	1/12/22	(PR #015) Eversource Utility Pole		
41	2/2/22	(FO #031) Relocate Mop Sink at Room 203		
42	2/2/22	(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	2/16/22	(PR #021) Revisions to Flat Panel Locations		
		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
		Submitted Total	**2,274.55**	
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
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				