

OBSERVATION REPORT NO. 35

Project: **Woburn Fire Headquarters**
 Date: 03 February 2022
 Location: Job Site

Attendees: Woburn Building Department Tom Quinn, Commissioner
 Woburn Fire Department Donald Kenton, Chief
 George Poole, Deputy
 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) 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	<p>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.</p> <p>[12/22/21: The meeting will be scheduled for the week of 01/17; DiNisco to propose specific date/time.]</p> <p>[01/06/22: DiNisco and WFD will meet at 1:00 PM Wednesday, 01/19 to review FF&E selections. DiNisco will forward an information packet to WFD before the meeting.] [01/20/22: At WFD request the meeting has been rescheduled for 1:00 Wednesday, 01/26/22.]</p> <p>[01/27/22: DiNisco is revising FF&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.]</p>
DiNisco	12/01/21 02/03/22	B02.5.01	<p>Exercise Equipment: DiNisco requested that WFD provide layouts of the proposed exercise equipment for coordination with electrical outlets, mirrors, etc.</p> <p>[Postscript: Layouts provided by WFD later on 12/01.]</p> <p>[02/03/22-Postscript: Exercise equipment supplier provided DiNisco with data for DiNisco's coordination of in-wall blocking with power.]</p>

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

--- 09/29/21 B09.5.04 Overhead Door Operation: WFD and DiNisco to review
11/10/21 control of overhead doors, with WFD giving thought to
11/17/21 how operation is desired now and in the future. WFD
12/22/21 noted not all doors should open at once because
01/06/22 different equipment responds to various calls. WFD
01/13/22 noted dispatch will be manned 24/7 and they will be
01/27/22 tasked with closing doors. [10/06/21: Chief
02/04/22 questioned if fobs for overhead doors will be provided,
noting that if each drive through bay is dedicated to a
specific vehicle, a fob that opens the rear and apron
doors for that bay would be desirable. DiNisco noted
overhead door controls have not yet been submitted
and will confirm. (Postscript: Nine fobs are specified to
be provided.)] [11/03/21: OH door controls have not
yet been submitted; G&R reported supplier interest to
submit a substitution on the specified controls.]
[11/10/21-Postscript: Door controls submitted later on
11/10. DiNisco to review desired operation with WFD.]
[11/17/21: DiNisco and Mitchell Associates on 11/16
reviewed OH door operation with WFD. WFD
requested that the auxiliary bay and main bay OH
doors all be controlled at the dispatch console, and
that the fobs in each vehicle operate the front and rear
bay doors separately. MA/DiNisco will confirm.]
[12/22/21: DiNisco has advised WFD that all OH door
switches will not fit in the available area in the console.
As an alternative, the design team will look in to having
the OH door controls appear on the console touch
screen.] [01/06/22: DiNisco noted the use of the
console touch screen will be discussed with ALL-COM;
DiNisco is holding OH door control submittal until clear
direction on how to achieve this can be given.]
[01/13/22: DiNisco is working to develop connectivity
to console touch screen with as little impact on the
specified door controls as possible. In response to
DiNisco's question, G&R advised that the door controls
themselves are not a long lead item.] [01/27/22:
DiNisco to issue Proposal Request for empty conduit
(by Brothers) and low voltage cabling (by OH door
installer).] [02/04/22-Postscript: Proposal Request
#19 for adding touch screen operation to the OH door
controls was issued to G&R on 02/04/22.] Record
Item.

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

G&R	09/29/21	B10.1.02	Municipal Fire Alarm Conduits: 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.]
Brothers	10/27/21		
	11/03/21		
	11/17/21		
DiNisco	09/15/21	B10.5	Municipal Alarm Coordination Meeting: DiNisco will set up a coordination meeting to review the status of the off-site and on-site fire alarm communications work. [09/22/21: It was agreed that the municipal alarm coordination meeting will be schedule once the City Engineer confirms a Verizon contractor has been assigned to do the work.] [09/29/21: MBC suggested this meeting be scheduled soon.] [10/20/21: DiNisco stated the coordination meeting will be scheduled when Verizon provides a contractor.] [11/03/21: DiNisco has been informed by MBC that the City is working with Verizon to provide a contractor for the manhole/conduit work at Station 3.] [11/10/21: MBC has provided DiNisco an update, advising that Verizon is in the process of engineering the manhole work and will provide the City with quotes from a Verizon approved contractor to do the work. It is hoped that the conduits can be installed over the winter.] [11/24/21: It was reported by MBC that Verizon has not yet contacted Jay Corey with a quote or contractor for the manhole and conduit work.] [01/06/22: DiNisco has been advised by Jay Corey that Jay Duran / DPW is coordinating with Verizon and will advise as to schedule.] [01/13/22: Jay Duran has advised Chief Kenton of progress on scheduling Verizon's work in the street at Station 3. The chief will so advise LW Bills and also inquire as to LW Bills' schedule for the overhead alarm cable work.] [02/03/22: The chief reported that LW Bills has informed WFD that overhead municipal alarm cabling will be done in Spring '22. DiNisco will contact Jay Duran / DPW as to Verizon's schedule for installing the underground conduit work at Station 3.]
Langone	10/20/21		
Verizon	11/03/21		
DE	11/10/21		
LW Bills	11/24/21		
DPW	01/06/22		
WFD	01/13/22		
	02/03/22		

G&R	12/09/21 12/22/21 01/06/22 01/13/22 01/20/22 01/27/22 02/03/22	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.]
G&R Industrial LW Bills	08/18/21 09/29/21 01/24/22 01/27/22 02/03/22	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.]

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.]
Kamco	11/11/21		
DiNisco	12/03/21		
WFD	12/09/21		
	01/24/22		
	01/27/22		
	02/04/22		
DiNisco	11/24/21	B15.2	Doors 115.1 and 113.1: WFD advised that the occupancy of Room 113 will be changed to Payroll/Arson and Room 115 to Permits/Oil Burner. DiNisco noted this will only change the text of the room signage.
---	01/06/22	B17.	Primary Service Pole: Eversource has changed the service design and rather than crossing the street underground, they will cross overhead to a new pole on the property. Before the 01/06 meeting, DiNisco, Thompson Engineering, G&R and MBC met with Eversource to locate the on site pole. DiNisco will provide G&R with a dimensioned location of the pole [Postscript: Provided 01/10/22], and G&R will stake its location. Eversource will then be called to come to the site and confirm the staked location and re vise their engineering drawings accordingly. Eversource intends to install the pole in a month. [01/13/22: G&R reported the site contractor will locate the stake for the pole using his GPS the week of 01/17.] [01/20/22: G&R will set stake 01/21/22.] [01/28/22-Postscript: On 01/27, in response to G&R's concerns over the proximity of the pole to the sample panel, DiNisco viewed field conditions and on 01/28 DiNisco reissued Proposal Request 015 with a revised pole location. G&R to stake location as revised for Eversource use.] [02/03/22: G&R reported Eversource was on site on 01/28/22 and advised G&R that Eversource will stake the location provided in DiNisco's sketch.]
	01/13/22		
	01/20/22		
	01/28/22		
	02/03/22		
DiNisco	02/03/22	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.

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.

All-COMM 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.]
 01/20/22
 01/27/22
 02/03/22

B19.

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 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.]
 01/20/22
 01/27/22
 02/03/22

CAM 01/27/22 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.]
 02/03/22

C24.

D. CONSTRUCTION SCHEDULE

MBC	10/07/21	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 proposed 09/30/22 Substantial Completion date.] [01/07/22-Postscript: G&R extension request received; DiNisco and MBC to review and respond.]
DiNisco	12/01/21		
	12/22/21		
	01/06/22		
	01/07/22		

MBC	11/10/21	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	11/17/21		
	12/01/21		
	12/09/21		
	12/16/21		
	12/22/21		
	01/06/22		
	01/13/22		
G&R	01/27/22 02/03/22	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).]
---	02/03/22	D36.	Look Ahead: G&R reviewed the look ahead schedule (attached). Record Item.

D37.

E. SUBMITTAL SCHEDULE

G&R	10/07/21 10/27/21 11/03/21 11/10/21 12/09/21 01/13/22 01/20/22 01/27/22	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.]
---	02/03/22	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.

E08.

F. SUBMITTALS

G&R	05/14/21	F10.	Construction Indoor IAQ Plan to be submitted within 21 days of NTP.
---	12/09/21 01/06/22 02/03/22	F39.	Metal Panel Submission: DiNisco briefly reviewed with G&R the latest metal panel shop drawing submission, which was again returned Revise and Resubmit. G&R will review submittal deficiencies with the subcontractor. [01/06/22: G&R noted they have reviewed shop drawing issues with the subcontractor.] [02/03/22: See Item F39.1.] Record Item.
G&R Facades	01/13/22 02/03/22	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.]

- 01/06/22 F43. Lighting Controls: DiNisco advised that the lighting controls are being held because the resubmittal of the light fixture package is required to complete its review. DiNisco also noted that the light fixture package was returned Revise and Resubmit some time ago and it is recommended that it be resubmitted soon to avoid potential delivery delays. [01/13/22: Lighting resubmittal received and under review.] [01/27/22: G&R asked that lighting controls submission be returned ASAP. DiNisco noted that some fixtures are missing from the submittal.] [02/03/22: DiNisco has returned the controls submission "Approved as Noted".] Record Item.
- 01/13/22
01/27/22
02/03/22
- G&R 01/27/22 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.]
Greenwood 02/03/22
- 02/03/22 F49. Submittal Log: G&R distributed the log with priority items highlighted (attached). Priorities are MEP coordination drawings and stairs. Record Item.

F50.

G. COORDINATION DRAWINGS

- G&R 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.]
Subs 02/03/22
- DiNisco 01/13/22 G06.2.01 Coordination Meeting: G&R noted one more meeting may be required to cover the precast plank area after the drawings have been revised and to solve ductwork clearance issue in the kitchen. [01/20/22: The next coordination meeting is 01/21.] [01/27/22: G&R reported the fire protection sub has revised the coordination drawings and now the HVAC, plumbing and electrical revisions are being added. DiNisco noted that a total of six field penetrations of beams is specified on the contract drawings; these will be shown where required on the coordination drawings when submitted.]
VAV 01/20/22
TEC 01/27/22

G07.

H. PAYROLL REPORTS

H13.

I. REQUISITIONS

- 12/22/21 I16. December Pencil Requisition: G&R will submit December Pencil requisition the week of 01/03/22. [01/06/22: Pencil requisition submitted and is under review.] [01/13/22: Final requisition signed at the 01/13 meeting and forwarded to the City for payment.] [02/03/22: G&R reported payment has been received.] Record Item.
- 01/06/22
- 01/13/22
- 02/03/22
- Woburn 01/27/22 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 DiNisco at the job meeting and forwarded to the City for payment.]
- 01/31/22
- 02/03/22

I18.

J. CHANGE ORDERS

- Woburn 10/20/21 J09. CR Log: G&R reviewed the CR Log (attached). G&R will delete the "Dumpster Charges" where discussed until a representative percentage can be mutually agreed on. DiNisco will prepare Change Order #4 to include all approved CR's to date. G&R reported that the subcontractors have been directed to perform the approved work. [10/27/21: DiNisco provided copies of Change Order #4 to G&R for signature. After signature, G&R to return CO's to site so that MBC may deliver for Mayor's signature.] [11/03/21: G&R brought signed CO #4 to the job meeting. MBC will deliver to City Hall for execution.] [12/09/21: G&R noted they have not received a fully executed copy of CO #4; City to distribute.] [02/03/22: G&R also advised that they do not have a fully executed copy of Change Order #3.]
- 10/27/21
- 11/03/21
- 11/10/21
- 12/09/21
- 02/03/22
- G&R 01/13/22 J15. Change Request Log: The Change Order log was reviewed (attached). DiNisco will prepare a change order incorporating the CR's approved to date. [01/20/22: The log as of 01/19/22 was reviewed (attached). DiNisco has approved CR 18-R3 (drywall revisions) and this will be included on Change Order #5. If CAM revises CR 27 - Fire Dampers, that can be included as well.] [01/27/22: The change order log was reviewed (copy attached). DiNisco will review draft Change Order #5 with Mayor prior to issuing to G&R.] [02/04/22-Postscript: Change Order #5 forwarded to G&R for signature on 02/04/22.]
- 01/20/22
- 01/27/22
- 02/04/22

J16.

K. CONSTRUCTION CHANGE DIRECTIVES (CCD)

K07.

L. FIELD ORDERS

L06.

M. PROPOSAL REQUESTS

M07.

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.]
---	02/03/22	O37.	RFI Log: The RFI Log was reviewed (attached). Record Item.
		O38.	

P. DEMOLITION

P01.

Q. SITE WORK

RJP G&R	01/13/22 01/20/22	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.]
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G&R RJP	01/13/22	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.
G&R Landscape Sub	01/20/22 01/27/22 02/03/22	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).]
G&R NGrid	11/17/21 11/24/21 01/07/22	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.]

G&R	01/13/22 01/14/22 01/20/22 01/27/22 02/03/22	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.]
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

---	12/09/21	R04.1	Pre-Slab Construction Meeting: G&R convened the meeting, reviewing the agenda (attached). Issues discussed included the following:
G&R	12/09/21	R04.1.09	After Hours Work: The police department shall be advised in advance of concrete finishing that will extend after 5:00 PM.

G&R	02/03/22	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.
MBC	09/22/21 01/20/22	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.]
---	01/27/22	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.

R10.

S. STRUCTURAL

S08.

T. FIRE PROTECTION

T04.

U. PLUMBING

U03.

V. HVAC

V01.

W. ELECTRICAL

W03.

X. HAZARDOUS MATERIALS

X01.

Y. MISCELLANEOUS

Y15.

ZA. COMMISSIONING

G&R	10/20/21	ZA03. Commissioning Kick-off Meeting: It was agreed that a 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.]
Consultants	11/09/21	
DiNisco	01/13/22	
Subs	01/27/22	

ZA04.

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: GZA 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.]
	09/29/21	
	02/03/22	

ZB11.

ZZ. CONSTRUCTION PROGRESS

---	02/03/22	ZZ32. Construction Progress: The Architect walked the site and observed the following: (Record Item)
		- CMU back up work underway at east wall of the auxiliary bay.
		- LGMF and sheathing nearly completed at HQ first floor.

ZZ33.

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

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



Richard N. Rice
DiNISCO DESIGN

RNR/meh

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

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

Woburn Fire Headquarters

3 Week Look Ahead Schedule - Period thru February 18th, 2022

Prepared by: Dave Bacchiocchi

Date Issue: February 3rd, 2022

		M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	Remaining (days):
		31-Jan	1-Feb	2-Feb	3-Feb	4-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	
SITWORK																	
MASONRY																	
CMU at south east wall HQ	Commercial																
CMU at line 12 HQ	Commercial																
ELECTRICAL																	
Electrical Piping at CMU Walls	Brothers Electric																
STRUCTURAL STEEL																	
Detail Steel & install Decking at Support Building	Remmington																
PLUMBING																	
Install roof drains and sleeves	Araujo																
ROOFING																	
Continue AVB Work	Greenwood																
DRYWALL																	
Install Parapet Walls at HQ Building	Bay State Drywall																
CONCRETE SLABS																	
Remove snow from 2nd floor admin./ at perimeter of parapet walls	G&R																
Enclose 1st and second floor at admin for 2nd floor pour	G&R																
Install Mesh at Slab on Deck admin 2nd floor	Brennen concrete																
Pour 2nd floor admin floor	Back bay concrete																

Pending on Door Frame Delay Suggestions

Report By: Cullen Humfries

Report Type: Open Items

Date: 2/02/2022

Project: Woburn Fire Headquarters

Total Items: 18

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	000001-007-0	MEP Coordination Drawings 2-02-22	G&R Construction	02/02/2022	02/02/2022					Consultant,Arch	0
040001 Masonry	040001-030-0	Brick Sample	Commercial Masonry	02/01/2022	02/01/2022					Consultant,Arch	1
050001 Miscellaneous & Ornamental Iron	050001-013-1	Resubmittal of Stair A - Calculations		01/28/2022	01/28/2022					Consultant,Arch	5
050001 Miscellaneous & Ornamental Iron	050001-014-0	Resubmittal of Resubmittal of Stair A Shop Drawings		01/28/2022	01/28/2022					Consultant,Arch	5
080001 Metal Windows	080001-011-0	Window Joint Sealant - Color Chart	Greenfield Glass	01/21/2022	01/21/2022					Consultant,Arch	12
080001 Metal Windows	080001-012-0	Sealant Sample	Greenfield Glass	01/24/2022	01/24/2022					Consultant,Arch	9
087100 Finish Hardware	087100-004-0	Preliminary Keying Schedule	Kamco	01/24/2022	01/24/2022					Consultant,Arch	9
090002 Tile	090002-011-0	Ceramic Wall Tile Samples		01/26/2022	01/27/2022					Consultant,Arch	7
090002 Tile	090002-012-0	Tile Trim Samples		01/31/2022	02/01/2022					Consultant,Arch	2
096816 Carpeting	096816-003-0	Carpet Sample		01/26/2022	01/26/2022					Consultant,Arch	7
096816 Carpeting	096816-004-0	Carpet Sample - Alliteration 9724	JC Floors	02/01/2022	02/01/2022					Consultant,Arch	1
101400 Identifying Devices	101400-001-0	Exterior Signage Shop Drawings		02/02/2022	02/02/2022					Consultant,Arch	0
124813 Mats	124813-004-0	Entry Mat Sample	JC Floors	01/25/2022	01/25/2022					Consultant,Arch	8
124813 Mats	124813-005-0	Interior Grilles Samples		01/26/2022	01/26/2022					Consultant,Arch	7
260001 Electrical	260001-016-0	Light Fixture Color Chips	Brothers Electric	01/10/2022	01/10/2022	01/10/2022			O	Consultant,Arch	23
260001 Electrical	260001-017-0	Switchboard & Panel Board Revisions	Brothers Electric	01/31/2022	01/31/2022					Consultant,Arch	2



Report By: Cullen Humfries

Report Type: Open Items

Date: 2/02/2022

Project: Wobum Fire Headquarters

Total Items: 18

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>
260943 Network Lighting Control System	260943-001-0	Network Lighting Control System Package	Brothers Electrical	09/13/2021	09/13/2021					Consultant,Arch	142
275100 Master & Secondary Clock System	275100-001-1	Resubmittal of Master & Secondary Clock System Product Data & Master & Secondary Clock System Shop Drawings		01/07/2022	01/07/2022					Consultant,Arch	26

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 2/2/2022

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		
Not issued Total			0.00	
Submitted				
18-R3	1/19/22	(PR #007) Miscellaneous Revisions to GWB Scope	4,951.54	APPROVED #05
22-R1	11/23/21	(PR #009) Additional FDC for Training	3,029.27	APPROVED #05
23-R1	12/9/21	(PR #010) - Added Beam at Stair B	5,323.23	APPROVED #05
25	11/9/21	(RFI #053) Gas Line Modifications at Support Building	1,327.56	APPROVED #05
27-R2	1/26/22	(PR #011) Fire Dampers at Fire Pole 205	1,465.81	APPROVED #05
28	1/27/22	(PR #012) Delete Benches & Lockers at Exercise 127	-4,962.14	APPROVED
31	1/12/22	(FO #018) Hardware Function Change at Toilet Room Doors 124.1 & 125.1	529.81	APPROVED #05
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
38	1/6/22	(RFI #059) Door Hardware Credit	-5,000.00	APPROVE #05
39	2/1/22	(PR #016) Exterior Lighting Revisions	-388.73	APPROVED
Submitted Total			13,901.77	
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
21	10/21/21	(PR #008) - Power & Data at Support Building Counter	1,744.14	4
Approved Total			188,186.88	
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	

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 2/2/2022

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Voided				
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: 188,186.88
				Revised Contract Amount: 17,835,186.88
				Pending Contract Changes: 13,901.77



Report By: Cullen Humfries

Report Type: Open Items

Date: 2/02/2022

Project: Woburn Fire Headquarters

Total Items: 1

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	081	Hollow Metal Frame Details	02/02/2022	02/02/2022				Consultant, Arch	0