

OBSERVATION REPORT NO. 30

Project: **Woburn Fire Headquarters**

Date: 22 December 2021

Location: Web Meeting

Attendees: Woburn Fire Department

Donald Kenton, Chief
George Poole, Deputy

Municipal Building Consultants (MBC) Dick Murphy

DiNisco Design (DD)

Rick Rice
Anne Woodacre

G&R Construction (G&R)

Ian McCallion
Dave Bacchiocchi
Brad Donovan

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	12/09/21 12/16/21 12/22/21	B02.1.03	Communications Procurement: On 12/08/21 DiNisco forwarded to Woburn the results of the dispatch communications RFQ and the design team's award recommendation. City to review and advise, and CL/DiNisco will prepare contract. [12/16/21: DiNisco reported that the dispatch communications contract has been awarded to ALL-COM. DiNisco will set up a kick off meeting with WFD, ALL-COM, the design team and MBC for the week of 01/10/21.][12/22/21 - WFD advised they would be available anytime 01/10 through 01/13. DiNisco to schedule the meeting.
Woburn	05/14/21	B02.4	City will mill and pave Main Street after utility work is done.

DiNisco WFD	11/24/21 12/22/21	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.]
---	12/01/21	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.]
DiNisco CL MA	09/29/21 11/24/21 12/01/21	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.]

MA	09/29/21	B09.5.04	Overhead Door Operation: WFD and DiNisco to review control of overhead doors, with WFD giving thought to how operation is desired now and in the future. WFD noted not all doors should open at once because different equipment responds to various calls. WFD noted dispatch will be manned 24/7 and they will be tasked with closing doors. [10/06/21: Chief 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.]
DiNisco	10/06/21		
Langone	11/03/21		
	11/10/21		
	11/17/21		
	12/22/21		

DE	09/29/21	B09.5.05	Traffic Signal Schedule:
D&R	10/06/21		- Dagle will schedule borings for masts the next two weeks.
G&R	10/13/21		- 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.
	10/20/21		- 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.
	10/27/21		- Lead time for signal mast and arms is six months and new signal must be operational before old signal can be removed.
	11/03/21		[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.]
	11/24/21		[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.]
G&R	09/29/21	B10.1.02	Municipal Fire Alarm Conduits: Per LW Bills, two
Brothers	10/27/21		addition 4-inch conduits will be run between the
	11/03/21		existing Verizon manhole with the sidewalk into the
	11/17/21		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.]

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.]
Langone	09/22/21		
City Eng.	09/29/21		
Verizon	10/20/21		
DE	11/03/21		
LW Bills	11/10/21		
G&R	11/24/21		
G&R	12/09/21 12/22/21	B12.3.01	Tower Foundation Schedule: G&R has contacted Industrial Communications and advised that tower foundation work is expected to begin the week of 02/14. G&R will confirm with Industrial as date gets closer, so that Industrial may schedule a foreman to be on hand. [12/22/21 - It was discussed that ledge has been uncovered near the tower foundation area. G&R excavated the area and shall provide spot grades of the top of ledge ASAP, so that the tower manufacturer's engineer can review and advise of any changes in foundation design.]
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.]
Industrial LW Bills	09/29/21		

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.]
Kamco	11/11/21		
	12/03/21		
	12/09/21		
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.

B17.

C. PERMITS & INSPECTIONS

	11/03/21	C16.	Oil/Water Separator: Tom Quinn asked that G&R email the affidavit being sent to MWRA to DiNisco and him for record. [11/10/21: G&R reported this is still in process.] [11/17/21: G&R reported Araujo is pursuing the affidavit and will forward a copy for record once in hand.] [12/09/21: G&R reported that the affidavit is still held up at MWRA, but this does not affect the local inspector's sign-off.] [12/16/21: G&R noted that the affidavit has come in, and G&R will distribute it for record.][12/22/21 G&R has distributed the affidavit.] Record Item.
	11/10/21		
	11/17/21		
	12/09/21		
	12/16/21		
	12/22/21		
DiNisco	11/10/21	C17.	Occupancy Load Signage: TJQ noted occupancy signage will be required for meeting room.
UTS	12/16/21	C20.	Steel Inspection: It was reported that UTS will be on site Friday, 17 December for a steel inspection. It was noted that UTS shall pass on their comments before leaving the site.[12/22/21 - It was noted that UTS found only one issue which they informed G&R and Remington of. G&R noted UTS will next be on site the week of 12/27 to inspect the completed HQ building.]
	12/22/21		
FBRA	12/22/21	C21.	Deck Inspection: DiNisco advised that FBRA will want to inspect reinforcing before slab on deck is poured. G&R advised the first pour will likely take place the 1st week of January, noting shear studs must be completed and tested by UTS.

D. CONSTRUCTION SCHEDULE

G&R	10/07/21 12/01/21 12/22/21	D04.3.03	<p>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.]</p>
G&R	11/10/21 11/17/21 12/01/21 12/09/21 12/16/21 12/22/21	D04.3.04	<p>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.]</p>

---	12/09/21 12/16/21 12/22/21	D21.2.03	Steel Update: G&R reported that steel delivery has been slowed by an ice storm in Canada, and now expects the remaining steel to be delivered 12/10, 12/13 at the latest. Sky has told G&R that additional crews will be on site next week to complete the HQ by 12/17. G&R noted full access of the HQ building available to the other trades at that time. [12/16/21: The remaining HQ steel has been delivered and G&R expects the HQ detailing will be completed the week of 12/20, and advised that the steel for the support building is expected on site by 12/31.][12/22/21 G&R advised that Remington has city approval to work Friday, 12/24, the holiday, and that the HQ steel is expected to be completed Monday 12/27.]
---	11/03/21 12/01/21 12/16/21	D21.3	Operations following completion of steel will be roofing and stud and CMU back up; G&R noted veneer masonry to start in March. [12/01/21: G&R will be meeting with LGMF sub and mason to schedule start of envelope work.] [12/16/21: G&R reported that they have been in contact with the envelope subcontractors, and noted that while manpower is an issue through the holidays, a lot of work, such as CMU and framing at roof edges, will begin the week of 01/03.]
---	12/22/21	D31.	Look ahead: G&R reviewed the look ahead schedule (attached) noting: Record item. - ledge is being removed at northeast edge of parking lot. Prep at rear of HQ on hold pending resolution of ledge found at segmented wall - storm drainage System 2 underway - steel for support building expected on site week of 01/03/22 - temporary electric being installed at the HQ

E. SUBMITTAL SCHEDULE

G&R	10/07/21 10/27/21 11/03/21 11/10/21 12/09/21	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.]
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F. SUBMITTALS

- G&R 05/14/21 F10. Construction Indoor IAQ Plan to be submitted within 21 days of NTP.
- G&R 12/09/21 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.
- 12/22/21 F41. Submittal Log: G&R distributed the log with priority items highlighted (attached), noting phenolic locker and HVAC cabinet unit heater color selection are the priority.

G. COORDINATION DRAWINGS

06/16/21 G06. Coordination Drawings: G&R reported coordination drawings process has begun. [06/23/21: G&R reported underground coordination is underway, and noted MEP coordination will begin when steel fabricator has completed their model.] [08/11/21: G&R reported that the MEP subcontractors are using the same consultant to prepare the coordination drawings, and that coordination process has begun. G&R stated the coordination drawings will be submitted for review after the steel fabricator completes the structural model and it is incorporated in to the MEP model.] [09/01/21: G&R reported coordination drawings are in process using Sky's preliminary structural model.] [09/15/21: G&R noted the first trade's drawings, HVAC, will be completed Friday.] [09/22/21: G&R reported plumbing information is now being added to the HVAC coordination drawings, with next week the fire protection to be added.] [09/19/21: G&R reported that fire protection is now being added, then electrical. G&R noted no significant conflicts have been identified thus far.] [10/13/21: G&R reported as-builts are still with Fire Protection, then will be forwarded to Electrical.] [10/20/21: G&R reported that the coordination drawing process is ongoing. Once all trades are added, G&R will have a meeting with the subcontractors, then the coordination drawings will be submitted to the design team for their review.] [11/03/21: G&R noted drawings are still with fire protection sub, who can complete them now that RFI 046B has been responded to.] [11/17/21: G&R noted that the coordination drawings are nearly complete, and that a meeting will be scheduled for next week with G&R and the subs to review clashes before submitting the completed coordination drawings to the design team.][11/24/21: G&R noted the subcontractor team meeting will take place the week of 11/29/21.] [12/01/21: G&R reported subs meeting is scheduled for 12/02, with submission of coordination drawings to the design team to follow in about a week.] [12/09/21: G&R has forwarded to DiNisco an RFI with mechanical coordination questions. G&R will set up a web meeting with the MEP subs and design team to review coordination issues.] [12/16/21: G&R will distribute invitations to web meeting to take place 11:00 AM Friday, 12/17 to review conflicts at concrete plank area.][12/22/21 - DiNisco reviewed conflicts in "hot zone" area where lay-in ceilings and compressor room floor drain are proposed to be deleted with WFD who took no exception. DiNisco to issue proposal request outlining revisions discussed at coordination conference call.][12/29/21 - Postscript: DiNisco issued Proposal Request 013 for MEP Coordination

G07.

H. PAYROLL REPORTS

G&R 11/10/21 H12. Payroll Reports: MBC noted that no reports have been submitted by steel erector to date. [11/17/21: MBC noted subs reports are coming in, with the erector's noted to be three weeks out this week.] [11/24/21: MBC noted that Remington Steel has not yet submitted any reports and requested that G&R reach out to them.] [12/01/21: MBC noted no reports have been submitted by Remington to date, and G&R was requested to again reach out to them.] [12/09/21: MBC reported Remington has still not yet submitted any reports, and also noted that Brothers Electric has fallen behind in reporting. G&R to contact subs.] [12/16/21: MBC noted Araujo and Pelchat are now behind, and nothing has come in from Brothers and Remington. G&R continues to contact subs to catch up with their reports.][12/22/21 - MBC noted subs are still delinquent; G&R will withhold payment from those subs for November.]

H13.

I. REQUISITIONS

11/17/21 I15. November Pencil Requisition: G&R expects to submit the pencil requisition for review the week of 11/29. [12/01/21: G&R has submitted the pencil req, and DiNisco will forward comments by EOD 12/06.] [12/09/21: DiNisco signed the final requisition at the meeting, and MBC will deliver it to City Hall for processing and payment.][12/22/21 - G&R received payment for November requisition.] Record Item.

G&R 12/22/21 I16. December Pencil Requisition: G&R will submit December Pencil requisition the week of 01/03/22.

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.]

G&R 12/01/21 J14. Dumpster / Clean Up Costs: The 1.5% charged by G&R for clean up costs was discussed. DiNisco and MBC stated that 1.5% is too high a percentage based on G&R general conditions costs for the clean up directly related to Change Order work. G&R will submit justification of a computed cost of 1.25% to DiNisco and MBC for consideration. [12/09/21: This item was further discussed, and G&R will submit their rationale / calculation of average clean up cost as a percentage, based on their general condition costs for this work.]
12/09/21

J15.

K. CONSTRUCTION CHANGE DIRECTIVES (CCD)

K07.

L. FIELD ORDERS

L06.

M. PROPOSAL REQUESTS

M07.

O. REQUEST FOR INFORMATION

G&R 11/03/21 O25.1 RFI 59: The hardware supplier has proposed substituting the specified and submitted keying system for another manufacturer's for a "VE" credit. WFD confirmed that there is no "universal" keying among WFD's buildings, and a different system would not be an imposition. G&R will inquire why the substitution is being proposed (lead time?). DiNisco will review with hardware consultant. [11/10/21: G&R reported that reason for proposed substitution is availability / lead times.] [11/11/21-Postscript: RFI 59 returned with proposed substitution accepted. G&R / supplier to provide credit.]
11/10/21
11/11/21

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.

--- 12/22/21 O32. RFI Log: The RFI Log was reviewed (attached). RFI 065-R1 MEP coordination items is a priority. Record Item.

P. DEMOLITION

P01.

Q. SITE WORK

G&R	06/16/21	Q10.1	Site Improvement / Landscaping Meeting: A separate meeting will be scheduled with Brown Sardina to review site improvements and landscape pre-construction items. [10/13/21: G&R expects this meeting to be scheduled in April.] [11/10/21: Meeting will be scheduled in December as recommended by Brown Sardina. Tentative date is 12/15 (week after envelope meeting).] [12/01/21: With the change in job meeting days, this meeting will take place on 12/16.] [12/09/21: G&R will confirm that this meeting is still on for 1:00 PM, Thursday, 12/16.] [12/16/21: The meeting will take place at 1:00 PM Thursday, 01/06/22.]
DiNisco	10/13/21		
BSI	11/10/21		
	12/01/21		
	12/09/21		
	12/16/21		
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.]
NGrid	11/24/21		
	11/17/02	Q21.	Infiltration System #2: G&R intends to construct Infiltration System #2 beginning early December. G&R to advise when bottom of excavation is scheduled to be reached so that HW may visit for inspection. [11/24/21: G&R advised that the bottom of system #2 will be exposed beginning 11/30; DiNisco will advise HW.] [12/01/21: The work did not begin this week as planned, and G&R expects the excavation to be ready for inspection by HW on 12/07.] [12/06/21-Postscript: Due to weather conditions, G&R advised DiNisco that excavation for System #2 did not begin; DiNisco so advised HW.] [12/09/21: G&R advised that focus is shifting to the rear of the site instead and System #2 work will start in the spring.] [12/16/21: G&R reported that they have shifted focus and will try to install System #2 soon. G&R to advise when HW should visit site for inspection.][12/22/21 - G&R expects to complete System #2 by 12/28. HW was on site 12/22 to inspect system.][12/28/21 postscript - HW site visit report distributed.]
	11/24/21		
	12/01/21		
	12/06/21		
	12/09/21		
	12/16/21		
	12/22/21		
	12/28/21		

G&R	11/24/21 12/02/21 12/09/21 12/16/21	Q22.	Ledge at Parking Lot: G&R has exposed ledge at the east edge of the parking lot. When the extent is fully known, the site design team will investigate if the extent of unitized retaining wall can be reduced and the cut back rock face exposed. [12/02/21- Postscript: G&R advised DiNisco on 12/02 that ledge has been fully exposed, and Brown Sardina visited the site to view conditions that day. G&R to have unitized wall EOR to advise of the extent of ledge to be removed for installation of unitized wall. G&R to profile ledge prior to removal to calculate volume for payment.] [12/09/21: The surveyor's profile of the ledge was discussed. it was agreed that it is not practical to substitute ledge face for a portion of the unitized wall. DiNisco advised that the profile mentions removing the ledge to elevation 114, which DiNisco stated seems too deep based on the unitized wall shop drawings. G&R has been unable thus far to contact the unitized wall EOR, but will do so to confirm depth of ledge excavation.] [12/16/21: See Item Q22.1.]
---	12/16/21	Q22.1	Ledge: G&R reported that they have encountered very hard "blue ledge" at both retaining walls.
---	12/16/21	Q22.1.01	G&R noted that pre-drilling will be necessary, which they feel is over and above the "non-blasting" unit price effort, DiNisco advised that the ESP contractor pre-drilled ledge, under the same contract specification unit prices.
---	12/16/21	Q22.1.02	G&R to provide DiNisco with top of ledge elevations so that the design team can evaluate grade / wall changes.
G&R	12/16/21	Q22.1.03	G&R to contact wall EOR to ask if half blocks or concrete formed and pinned to ledge would be possible to mitigate necessary ledge removal.
G&R	12/16/21	Q22.1.04	G&R to dig a test pit to determine ledge elevation at tower ASAP.
G&R	12/22/21	Q22.2	Ledge at segmented wall: A teleconference took place on 12/22 to discuss the ledge underlying the segmented wall behind the HQ. Participating were G&R, the wall representative, DiNisco, and Brown Sardina. It was agreed that a more cost effective and speedier approach would be to pour a lean concrete foundation over the top of the wall and start the wall with an 18" high block course rather than remove more ledge for the 36" high block. the Rep advised that the 18" blocks are standard size and could be on site the second week of January. G&R will prepare a cost proposal of this response vs. removing the remaining ledge.

Q23.

R. ARCHITECTURAL

---	12/01/21	R02.3	Envelope Pre-Constructon Meeting: G&R convened the envelope meeting, reviewing the agenda (attached). Issues discussed included the following:
Commercial G&R	12/01/21	R02.3.01	Liquid Applied A&VB: Commercial advised that the weather will be too cold to use the specified and approved Carlise Barriseal air and vapor barrier which requires temperatures of 40 degrees or more. Commercial provided a cut sheet of Barritech NP-LT, which can be applied in temperatures as low as 20 degrees, but noted the product is more expensive. DiNisco advised that alternative products would be considered at no additional cost to the Owner. Commercial and G&R will further discuss.
G&R Facades Gavin	12/01/21	R02.3.02	LGMF / Insulated Metal Panels: DiNisco noted that, because G&R has given the LGMF work for the support building metal panel system to the drywall backup sub, the two subs must coordinate stud layouts, curtainwall, etc. The subcontractors and G&R advised that this coordination has taken place.
---	12/01/21 12/10/21	R02.3.04	A&VB at Window Sills: G&R noted the A&VB installed at the mock-up panel is different than the contract drawings. DiNisco takes no exception, and G&R will formalize via RFI. [12/10/21-Postscript: RFI #064 submitted 12/10 and approved.] Record Item.
G&R Sub	09/15/21 09/22/21 10/06/21 10/13/21 11/10/21	R03.2	Mock-Up Review: DiNisco reviewed and approved the GWB / metal stud and CMU back up construction on the sample panel. The A&VB will next be applied. [09/22/21: THE A&VB will be installed Thursday and Friday. DiNisco confirmed that the required manufacturer's rep will suffice for the required manufacturer's inspection.] [10/06/21: G&R advised that the A&VB has been completed, and they await the mason's scheduling the rep's inspection. DiNisco reviewed the A&VB and have no comment, and awaits the submission of the rep's memo of review.] [10/13/21: G&R reported A&VB rep will likely be on site when mason begins installing the veneer on the mock-up.] [11/10/21: G&R reported that A&VB rep did not inspect the A&VB on the sample panel before the veneer was installed. G&R stated A&VB rep will be asked to view initial installation on main building for QA/QC.]

---	12/09/21	R04.1	Pre-Slab Construction Meeting: G&R convened the meeting, reviewing the agenda (attached). Issues discussed included the following:
FBRA	12/09/21 12/28/21	R04.1.01	Mix Design: Slump and admixtures were discussed. While the concrete mix design for slabs was previously submitted and approved, G&R will resubmit it based on recent discussions.[12/28/21 Postscript: Mix Design submitted for FBRA review on 12/28/21.]
G&R	12/09/21	R04.1.06	Finishing Equipment: While it is not intended to use large, heavy finishing equipment on the second floor, it was agreed that G&R will submit data on the weights of equipment being used.
MBC	12/09/21 12/16/21 12/22/21	R04.1.08	FBRA Inspection: FBRA wants to inspect reinforcing before slabs are poured. MBC to confirm when areas are ready for inspection. [12/16/21: SOD is expected to be placed week of 12/20/21.][12/22/21 - Slab on deck placement now scheduled for the week of 1/03.]
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.
---	09/22/21	R05.	Window Testing: DiNisco confirmed that windows will be tested in place, beginning with the windows in the sample panels, with the testing performed by the owner's testing agents (UTS). DiNisco noted that there is no independent BECxA responsible for the envelope, and DiNisco will be reviewing envelope construction.
DiNisco	10/20/21 12/22/21	R06.	Extractor Trough: G&R noted that the extractor trough (Detail 13/6.1.03) at 16 inches deep will partially be on top of the strip footing, and asked if the epoxy finish would satisfactorily waterproof the trench. G&R proposed instead making the trench 13 inches deep and pouring a constant 3-inch thick bottom. DiNisco will review and advise. [11/03/21: DiNisco advised G&R that the capacity of the trench is determined by the extractor discharge volume and cannot be diminished as suggested. DiNisco noted that the 15 inch ± long joint between the trench bottom formed by the footing and the remainder of the trench may only need to be treated like any other cold joint by the epoxy floor installer. DiNisco recommended G&R review this with the epoxy floor sub.][12/22/21 - G&R advised that the floor sub stated that the cold joint should be avoided. DiNisco to recalculate trench capacity with 2" mud slab at bottom as suggested by G&R.]

G&R 10/27/21 R07. Masonry Grouting: MBC questioned how the mason intends to
Commercial 11/17/21 grout the CMU walls; as they go up, or from the top with a port at
12/01/21 the bottom. G&R stated that a masonry pre-installation meeting
will be scheduled, at which time this may be discussed. [11/17/21:
G&R advised that there will not be a separate masonry pre-
installation meeting; these issues will be discussed at the 12/08
envelope meeting.] [12/01/21: Commercial reported that they will
be using both low and high lift grouting. Commercial will submit
proposed grouting procedures for approval.]

R09.

S. STRUCTURAL

S08.

T. FIRE PROTECTION

T04.

U. PLUMBING

U03.

V. HVAC

V01.

W. ELECTRICAL

W03.

X. HAZARDOUS MATERIALS

X01.

Y. MISCELLANEOUS

12/16/21 Y14. Next Job Meeting: It was discussed and agreed that the next on
12/24/21 site job meeting will be Thursday, 30 December, as G&R will
forward invitation for a call-in meeting at 1:00 PM Thursday, 12/23.
[12/22/21 - Because of the holiday week, it was agreed that the
next on site job meeting will be Thursday, 06 January] Record
Item.

Y15.

ZA. COMMISSIONING

G&R 10/20/21 ZA03. Commissioning Kick-off Meeting: It was agreed that a
Consultants 11/09/21 commissioning kick-off meeting will be scheduled at an
DiNisco appropriate time. Attending will be the MEP subs and DiNisco's
Subs 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.]

ZA04.

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
concealed. MBC and consultants will review monthly. [09/29/21:
G&R reported that below slab installations are following the
underslab coordination drawings.]

ZB11.

ZZ. CONSTRUCTION PROGRESS

ZZ28.

The next on-site Job Meeting will be held **Thursday, January 06, 2021 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 12/16/21
G&R Submittal Log dated 12/16/21
G&R CR Log dated 12/22/21

Woburn Fire Headquarters

3 Week Look Ahead Schedule - Period thru january 7th 2021

Prepared by: Dave Bacchiocchi

Date Issued: December 22nd 2021

		M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	Remaining (days):
		20-Dec	21-Dec	22-Dec	23-Dec	24-Dec	27-Dec	28-Dec	29-Dec	30-Dec	31-Dec	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	
<u>SITEWORK</u>																	
Demo ledge at northeast section of parkinglot	RJ Pelchat																
install retaining wall #2	RJ Pelchat																
Prep for antenna base, Transformer pad and generator pad	RJ Pelchat																
Install stormwater system #2	RJ Pelchat																
<u>MASONRY</u>																	
Install AVB at erimeter walls	Commercial																
CMU at perimeter walls	Commercial																
<u>ELECTRICAL</u>																	
Install temp power panel in HQ building	Brothers elec.																
layout and install site UG	Brothers elec.																
<u>STRUCTURAL STEEL</u>																	
Install primary steel lines 1-8 HQ	Remington steel																
Install primary steel support building	Remington steel																
<u>ROOFING</u>																	
Mobilize for AVB work	Greenwood industries																
form/pour/finish SOD at roof	G&R																
<u>DRYWALL</u>																	
Install parapet wall at HQ building	Bay state drywall																
Install flat stock for parapet wall at roof edge	Bay state drywall																

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Report By: Bradford Donovan

Report Type: Open Items

Date: 12/22/2021

Project: Woburn Fire Headquarters

Total Items: 11

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	000001-006-0	Baseline Schedule	G&R Construction	12/09/2021	12/09/2021					Consultant,Arch	13
040001 Masonry	040001-028-0	Bluestone Samples	Commercial Masonry		12/16/2021					Consultant,Arch	6
050001 Miscellaneous & Ornamental Iron	050001-002-2	Bollard Shop Drawings	Larkin Iron Works		12/22/2021					Consultant,Arch	0
050001 Miscellaneous & Ornamental Iron	050001-011-1	Roof Ladder Shop Drawings & Calculations	Larkin Iron Works		12/22/2021					Consultant,Arch	0
077200 Roof Accessories	077200-001-0	Roof Hatch Product Data & Cut Sheet	G&R Construction	12/15/2021	12/15/2021					Consultant,Arch	7
083613 Sectional Doors	083613-002-0	Door Control Product Data	OHD Southeast		11/10/2021	11/12/2021			R-AAN	Consultant,Arch	42
105129 Phenolic Lockers	105129-003-0	Locker Color Samples	Columbia	12/16/2021	12/16/2021					Consultant,Arch	6
105613 Metal Storage Shelving	105613-001-0	Metal Storage Shelving Shop Drawings	G&R Construction	12/22/2021	12/22/2021					Consultant,Arch	0
230001 Heating, Ventilating & Air Conditioning	230001-031-0	CUH Color Samples	CAM HVAC	12/22/2021	12/22/2021					Consultant,Arch	0
260001 Electrical	260001-014-0	2.32 Power System Study	Brothers Electrical		12/22/2021					Consultant,Arch	0
260943 Network Lighting Control System	260943-001-0	Network Lighting Control System Package	Brothers Electrical	09/13/2021	09/13/2021					Consultant,Arch	100

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 12/22/2021

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Not issued				
4	8/31/21	(Unit Pricing) Foundation Excavation Changes Tracking T&M		
6	6/29/21	(Steel Delay) Extension of Time Request Will be Issued with the revised schedule update		
16	10/1/21	(FO #011) Seat Angle at Column F.5 thru 14.9		
27	12/1/21	(PR #011) Fire Dampers at Fire Pole 205		
28	12/9/21	(PR #012) Delete Benches & Lockers at Exercise 127		
30	12/8/21	(FO #021) Preliminary Door Keying Schedule Reviewing with Credit		
31	12/8/21	(FO #018) Hardware Function Change at Toilet Room Doors 124.1 & 125.1		
33	12/15/21	(FO #023) CMU Partitions at Support Building Toilet Rooms		
Not issued Total			0.00	
Submitted				
18-R1	11/5/21	(PR #007) Miscellaneous Revisions to GWB Scope	5,264.51	
22-R1	11/23/21	(PR #009) Additional FDC for Training	3,029.27	Approved*
23-R1	12/9/21	(PR #010) - Added Beam at Stair B	5,323.23	Approved*
25	11/9/21	(RFI #053) Gas Line Modifications at Support Building	1,327.56	Approved
Approved* - Dan will issue response on Dumpster Charges			Submitted Total	14,944.57
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	
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		

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 12/22/2021

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
			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:	14,944.57



Report By: Bradford Donovan

Report Type: Open Items

Date: 12/22/2021

Project: Woburn Fire Headquarters

Total Items: 2

Log: RFI

Days Open Calculated by: Calendar Days since date Initially Created

<u>Category</u>	<u>Item#</u>	<u>Description</u>	<u>Date from Subcontractor</u>	<u>Date from GC</u>	<u>Review by Consultant</u>	<u>Review by Architect</u>	<u>Return to Subcontractor</u>	<u>B-I-C</u>	<u>Days Open</u>
Mechanical	065-R1	MEP Coordination Questions #01 - Follow Up	12/17/2021	12/17/2021				Consultant, Arch	5
Architectural,Electrical	070	Device Height Coordination	12/20/2021	12/20/2021				Consultant, Arch	2