

OBSERVATION REPORT NO. 43

Project: **Woburn Fire Headquarters**
 Date: 31 March 2022
 Location: Job Site
 Attendees: Woburn Fire Department
 Donald Kenton, Chief
 George Poole, Deputy
 City of Woburn
 Justin MacCutcheon, Asst. Auditor
 Municipal Building Consultants (MBC)
 Joe Miele
 Pat Saitta
 DiNisco Design (DD)
 Rick Rice
 Anne Woodacre
 G&R Construction (G&R)
 Dan Aylward
 Ian McCallion
 Cullen Humfreys

Action Date

A. SAFETY AND SECURITY

A18.

B. OWNER ISSUES

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



WE	09/29/21	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.] [02/24/22: DiNisco has forwarded the necessary scope of work to Jay Corey and VHB for transmittal to Dagle Electric. DiNisco will follow up to confirm work is scheduled.] [03/17/22: Jay Corey will resend DiNisco's scope to DE for pricing.]
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G&R	03/17/22	B09.5.06	<p>Traffic Signal Coordination Meeting: WE, D&R, DE, DiNisco, MBC and G&R met to review / coordinate the on-site traffic signal work by D&R / DE. The following was discussed:</p> <ul style="list-style-type: none"> - G&R's site sub will be on site the week of 03/21 and will stake the back of walk locations / elevations and driveway radii. - DE will visit site the end of the week of 03/21 and will layout the locations of the mast foundations, locating them from the staked back of walk locations. - DE is prepared to auger the mast foundations the next couple of weeks and will coordinate with G&R for access, etc. The movable construction fencing will need to be pushed back by G&R for DE to auger the foundations, which will be 42" diameter. - DE will coordinate installing conduits below the sidewalks with G&R. G&R intends to set curbing and place walks in late July / early August. <p>[03/31/22: G&R staked locations and DE visited site. DE distributed an email with comments; G&R to coordinate with DE as to scheduling DE's foundation drilling to coincide with G&R's operations. It was discussed that the mast foundations should be drilled from the street side of the fence line, and that MBC's trailer must be moved.]</p>
DE	03/31/22		
G&R	09/29/21	B10.1.02	<p>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.</p> <p>[10/27/21: G&R noted that should the time allow, the in-street work will be done after the sanitary sewer work is done next week. Otherwise, G&R reported, the conduits will be installed in the spring.] [11/03/21: G&R will verify with Brothers that they have coordinated with Verizon on this work.] [11/17/21: G&R advised the fire alarm conduit work will be done next spring.] [03/10/22: It was discussed that G&R / Brothers will need to coordinate cutting the new conduits into the manhole with Verizon.] [03/24/22: G&R will review with Brothers getting Verizon involved.]</p>
Brothers	10/27/21		
	11/03/21		
	11/17/21		
	03/10/22		
	03/24/22		

LWB Brothers G&R ALL-COM	03/10/22	B10.5.04	<p>Municipal Alarm Work in HQ: The following was discussed:</p> <ul style="list-style-type: none">- There are six three-inch conduits between the MDF and the Watch Room terminating at a box above the ceiling. One conduit shall be dedicated to the cabling being installed by LWB, however LWB noted data cabling could be pulled after LWB pulls their (1) ISMA cable and (3) #6 cables.- There are five six-inch boxes in the three walls at the rear of the Watch Room console, each with two 2-inch conduits up into the ceiling space. These will be adequate for LWB, ALL-COMM and Brothers, but use and location will need to be coordinated.- There is a dedicated area in the MDF for LWB's equipment. LWB and LA will further review MDF equipment layout.- LWB will be installing grounding for their equipment.- LWB expects off-site cable work to take one month, and work in the HQ Building two weeks.- LWB is to turn over municipal antenna to the tower installer for installation.
D&R DE	03/18/22 03/24/22 03/31/22	B10.5.05	<p>Station 3 Conduit Meeting (Postscript): A meeting to review cabling / conduit routing and traffic cabinet location will take place at Station 3 at 2:30 PM Tuesday, 03/22/22. [03/24/22: Meeting took place on 03/22. DPW to clear brush at existing FA box so that possible existing handhole may be located. Based on this, D&R / DE to submit price proposal.] [03/31/22: Brush was cleared. D&R excavated a few inches of earth to expose an existing concrete slab; no handhole found. DE to price accordingly.]</p>

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.	<p>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.]</p>
DiNisco	11/24/21	B15.2	<p>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.</p>

- Eversource 01/06/22 B17. Primary Service Pole: Eversource has changed the service design and rather than crossing the street underground, they will cross overhead to a new pole on the property. Before the 01/06 meeting, DiNisco, Thompson Engineering, G&R and MBC met with Eversource to locate the on site pole. DiNisco will provide G&R with a dimensioned location of the pole [Postscript: Provided 01/10/22], and G&R will stake its location. Eversource will then be called to come to the site and confirm the staked location and re-vise their engineering drawings accordingly. Eversource intends to install the pole in a month. [01/13/22: G&R reported the site contractor will locate the stake for the pole using his GPS the week of 01/17.] [01/20/22: G&R will set stake 01/21/22.] [01/28/22-Postscript: On 01/27, in response to G&R's concerns over the proximity of the pole to the sample panel, DiNisco viewed field conditions and on 01/28 DiNisco reissued Proposal Request 015 with a revised pole location. G&R to stake location as revised for Eversource use.] [02/03/22: G&R reported Eversource was on site on 01/28/22 and advised G&R that Eversource will stake the location provided in DiNisco's sketch.] [03/03/22: G&R noted that they have not heard from Eversource recently.] [03/17/22: TEC has reached out to Eversource, copying G&R, inquiring as to the status of the new pole.] [03/31/22: G&R has not heard from Eversource as of this date.]
- 01/13/22
01/20/22
01/28/22
02/03/22
03/08/22
03/17/22
03/31/22
- DiNisco 01/13/22 B18. Dispatch Communications: DiNisco, WFD and MBC met with ALL-COMM for an initial review of their communications work. DiNisco will schedule a coordination meeting with ALL-COMM and G&R in the near future. [03/31/22: Meeting tentatively set for 04/21/22; DiNisco to contact attendees.]
- 03/31/22
- G&R 01/13/22 B18.1 Dispatch Communication Back Boxes: DiNisco will inquire of ALL-COMM if there are back boxes they are to provide G&R for installation. [01/20/22-Postscript: DiNisco forwarded request to ALL-COMM for "specialty" backboxes to be installed by Brothers in CMU Apparatus Bay walls.] [01/27/22: ALL-COMM to visit site and coordinate with G&R.] [02/03/22: ALL-COMM met with G&R this week and will furnish the boxes to be installed by Brothers soon.] [02/10/22: G&R noted the ALL-COMM back boxes are not yet on site. DiNisco will contact ALL-COMM regarding delivery.] [02/18/22-Postscript: DiNisco contacted LW Bills, who will be providing the backboxes in question (not ALL-COMM) to inquire as to their status.] [02/24/22: DiNisco has advised G&R that backboxes in question are standard four-inch boxes and that it will be more direct for Brothers to furnish and install them. G&R is discussing with Brothers.]
- Brothers 01/20/22
01/27/22
02/03/22
02/10/22
02/18/22
02/24/22

---	03/17/22 04/01/22	B18.2	Watch Room Conduits: DiNisco advised that they will be issuing clarification sketches coordinating the locations of conduits and boxes serving the Dispatch console equipment. DiNisco noted that the walls under the exterior windows will need to be furred out to accommodate horizontal conduit runs. [04/01/22- Postscript: DiNisco issued Proposal Request #26 for Watch Room conduit coordination.] Record Item.
---	03/03/22	B19.1.01	911 Cable Requirements: Scott Gray / EPS noted that the Cat 5 cabling the State (via Glynn Elec.) will be running would fit in a one-inch conduit between the MDF and the console. There will be three pieces of equipment on the console serving State 911: two phone and one printer. The 911 phones are voice over IP, and the printer requires 120V emergency power.
EPS	03/03/22	B19.1.02	911 in MDF: An area is identified in the MDF on drawing 10.3.05 for the 911 equipment cabinet. EPS will confirm if they will be furnishing their own UPS.
---	03/03/22	B19.1.03	Recording: WFD advised they record the 911 calls. It was discussed this could be achieved via a network connection installed by EPS between the 911 equipment and the Fire Department's recorder in the MDF.

Comtech	03/03/22 03/10/22 03/17/22 03/24/22 04/01/22	B19.1.04	Remote Bell / Phones: It was discussed that EPS / 911 does not support wireless phones (for example if dispatch is in bathroom). However, EPS could install remote ringers (at a cost) should WFD feel it beneficial. WFD will consider. [03/10/22: WFD does not see the need for remote ringers, but a light in the bathroom may be helpful to provide notice of a 911 call. DiNisco will review with EPS.] [03/17/22: WFD advised that they will need to add a 911 phone and a house phone to Toilet 104A. DiNisco will issue a PR for the house phone (conduit and cable) and the 911 phone (conduit only, cable by EPS). WFD was also informed by EPS that new 911 phones (now three required) and a new printer will need to be purchased by the project, as the existing phones and printer should not be out of service during relocation. WFD will get phone and printer particulars from EPS; DiNisco stated the phones and printer purchased through the tech budget.] [03/24/22: WFD reported that in a follow up with EPS, EPS confirmed that they will move the two existing phones from Station 3 to the Watch Room, and one new 911 phone will need to be purchased by the project. WFD noted this will be confirmed by email.] [04/01/22-Postscript: Comtech to forward quote for third phone.]
EPS	03/03/22	B19.1.05	Schedule: EPS was advised that substantial completion for the new HQ is late October 2022. EPS will visit the project again in September, bringing their installing contractor, Glynn Electric.
WFD DiNisco EPS ALL-COMM LWB	03/17/22	B25.	Dispatch Move: It was discussed that it will be necessary to coordinate the transition of the dispatch functions from Station 3 to the new building.
DiNisco Edvance CIO WFD MBC	04/01/22	B26.	Technology Meeting (Postscript): A technology meeting to be attended by DiNisco, Edvance, WFD and David Mastronardi will take place 9:30 AM Monday, 11 April 2022 at City Hall. To be discussed: <ul style="list-style-type: none"> - Security system operation, including on what monitors CCTV may be viewed. - Computer and equipment procurement, including laptops for report writing and flat panels. - Private cable TV service purchase by staff - Technology procurement and budget.

B27.

C. PERMITS & INSPECTIONS

DiNisco	11/10/21	C17.	Occupancy Load Signage: TJQ noted occupancy signage will be required for meeting room.
CAM	01/27/22 02/03/22 02/17/22 03/03/22 03/17/22 03/31/22	C23.	Sheet Metal Permit: Tom Quinn advised that CAM should obtain the sheet metal permit prior to beginning ductwork. [02/03/22: G&R reported CAM has obtained the permit and it will be posted.] [02/17/22: G&R corrected, noting CAM has pulled their low voltage permit, but not the sheet metal permit as of this date.] [03/03/22: G&R reported that CAM will obtain the sheet metal permit this week and it will be on site the week of 03/07.] [03/17/22: G&R reported that CAM has obtained the sheet metal permit and will be providing the permit number for posting.] [03/31/22: Noting sheet metal is being installed, G&R to provide permit number.]
G&R UTS	03/03/22 03/10/22 03/17/22 03/24/22 03/25/22 03/31/22	C24.1	Joist Repairs / Final UTS Inspection: G&R reported that they are pressing Sky to complete the repairs of the joist burn-through locations expeditiously. It was agreed that MBC will have UTS make their final steel inspection after the joist repairs are completed, so that UTS may document the repairs. [03/10/22: G&R advised they expect erector on site next week to perform the joist repairs.] [03/17/22: MBC noted UTS's recent inspection of the support building found some joist burn through there as well.] [03/24/22: G&R stated HQ repairs have been completed and reported that they need UTS's 03/17/22 site visit report before doing the support building repairs. [03/25/22- Postscript: UTS site visit report distributed.][03/31/22: G&R advised that joist weld through has been repaired at the support building, and UTS's comment about a brace weld has been addressed. After a relieving angle has been welded to a tube, UTS will be called for a final structural inspection.]
G&R Greenwood MBC	03/17/22 03/24/22 03/31/22	C27.	Roof Inspections: G&R reported that Sika Sarnafil's inspector was on site Monday and G&R will distribute their report. G&R will advise MBC in advance of Sika Sarnafil's next inspection. [03/24/22: Sarnafil was on site again on 03/23, but G&R did not have prior notice. G&R will discuss with Greenwood receiving Sarnafil's site visit schedule so that MBC may be present for the Sarnafil inspections.] [03/31/22: G&R reported that Sarnafil has not been on site since the 03/23 inspection. G&R will contact Greenwood to schedule the next inspection when MBC may attend.]

--- 04/01/22 C28. Tower Permit Extension (Postscript): At Tom Quinn's request, DiNisco requested an extension for the Tower Building Permit.] Record Item.

C29.

D. CONSTRUCTION SCHEDULE

G&R	03/24/22 03/31/22	D04.3.06	<p>Long Lead Items: Potential long lead items were discussed. G&R will confirm delivery of switchgear, which thus far is expected on schedule since they were released last November. G&R reported that the transformer is reserved with Eversource with delivery to be scheduled after the pad is placed by RJP and inspected by Eversource. G&R will confirm that Eversource has reviewed the submitted pad. G&R noted that RJP will place the transformer pad after completing the retaining wall work. Regarding other lead times, G&R did note that getting hard delivery dates on some equipment is difficult, however HVAC equipment is on hand. [03/31/22: In preparing the schedule update distributed on 03/30, G&R stated the subs have not informed G&R of any anticipated product delivery delays. G&R did note some paint colors can have a long lead and requested DiNisco furnish the color schedule ASAP.]</p>
---	03/31/22	D04.3.07	<p>Schedule Update: The schedule update distributed by G&R on 03/30 was discussed, with the following noted:</p> <ul style="list-style-type: none"> - The substantial completion date is forecast to be 31 October. - Subcontractors have expressed concern about number of people / trades necessary in the second floor to meet schedule, but are committed to the schedule. - With the roof on and exterior wall sheathed, the electrical inspector will allow wiring to begin. - While noted to start in a few weeks, masonry veneer has begun and will be done as weather allows. - With the start of site work, crews will need to park at the Cinema parking lot because the site is tight. - Windows are expected on site late April / early May. - G&R noted any field orders making changes will potentially result in a delay; DiNisco noted latest field orders have been issued to provide requested dimensions, etc.

G&R 03/31/22 D04.3.08 CPM Data: MBC requested that G&R provide network and precedent / successor data for reviewing report. G&R agreed to furnish additional data.

--- 03/31/22 D44. Look Ahead: G&R reviewed the look ahead schedule (attached).

D45.

E. SUBMITTAL SCHEDULE

G&R 10/07/21 E07.3 Submittal Schedule Update (Postscript): DiNisco
 01/20/22 asked G&R to provide an update as to when the
 01/27/22 remaining submittals / resubmittals will be made.
 02/10/22 [10/27/21: It was discussed that yet to be submitted
 02/17/22 items include ATC ceilings, Division 10 items and the
 03/10/22 steel stud resubmittal.] [11/03/21: G&R noted that
 03/17/22 several miscellaneous metal submissions are
 03/31/22 forthcoming.] [11/10/21: G&R expects remaining
 finishes submittals to be made the next couple weeks,
 as will be the remaining miscellaneous iron items.]
 [12/09/21: G&R will update the schedule showing
 remaining submittals to be made.] [01/13/22: In
 response to DiNisco's question, G&R reported all
 schedule critical submissions have been made, with
 only miscellaneous items and some finishes yet to be
 submitted.] [01/20/22: G&R stated that they will have
 a submittal schedule update next week.] [01/27/22:
 G&R will distribute the updated submittal schedule
 before the next job meeting.] [02/10/22: G&R advised
 they will forward the updated submittal schedule on
 02/11, and noted that several "specialty" items will
 soon be submitted.] [02/17/22: G&R is in the process
 of compiling the remaining submittal schedule
 incorporating items identified in the list DiNisco
 provided.] [03/10/22: G&R reported they are
 referencing the list prepared by DiNisco with mostly
 "specialty" submittals outstanding.] [03/17/22: G&R
 has completed an updated submittal schedule and
 they will email it to DiNisco and MBC.] [03/31/22:
 G&R will distribute log of open items on 04/01. G&R
 stated they foresee no availability issues with any of the
 open submittals.]

G&R	03/03/22	E07.3.05	Stair Submissions: DiNisco noted that the calculations for Stairs A, C and the mezzanine must be resubmitted in order for these shop drawings to be returned. Needed is the same calculation finally provided for Stair B. G&R is in conversation with the subcontractor. [03/17/22: The support building stair is the only one for which Larkin needs to submit the calculations.] [03/24/22: G&R noted that Larkin is close to wrapping up all their submittals.] [03/31/22: Submittals on a couple small fit-up items are still outstanding. DiNisco also noted calculations for support building stair are still needed.]
Larkin	03/17/22		
	03/24/22		
	03/31/22		
Greenfield	03/03/22	E07.3.06	Training Tower Windows: In response to DiNisco's question, G&R advised that the training tower window shop drawings are in production. [03/22/22-Postscript: Shop drawings submitted for review.] [03/24/22: DiNisco has approved the SS frames, but noted the aluminum door / window units that fit in the SS frames still must be submitted.] [03/31/22: G&R to discuss missing aluminum component shops with Greenfield.]
	03/22/22		
	03/24/22		
	03/31/22		

E08.

F. SUBMITTALS

G&R	05/14/21	F10.	Construction Indoor IAQ Plan to be submitted within 21 days of NTP. [03/31/22: Now that ductwork is being hung and GWB installed, DiNisco advised the IAQ should be submitted.]
	03/31/22		
Facades	03/17/22	F39.1.02	Support Building Details: Prior to the meeting DiNisco met with G&R, Facades and Baystate Drywall to discuss the support building. The following was noted: <ul style="list-style-type: none"> - DiNisco's LGMF shop drawing review notes were not clear and DiNisco confirmed that metal stud backup construction is required for metal panels where shown on the wall sections. - During design, the Kingspan rep advised DiNisco that the splice plates shown in the contract document details are required; G&R, Facades and Baystate to coordinate and meet the manufacturer's requirements. - Facades will submit an alternate trim detail for 11/3.9.14.

- CAM 03/24/22 F57. BAS Resubmission: G&R reported that CAM felt that previous
G&R 03/31/22 review comments had all been addressed by the latest submission
that was returned Revise and Resubmit by VAV. DiNisco stated if
G&R feels it would be helpful, a conference call with CAM and
G&R could be scheduled. [03/31/22: G&R will set up a call if
necessary to close submission review comments.]
- 03/31/22 F58. Submittal Log: G&R distributed the log with priority items
highlighted (attached). Priorities include miscellaneous metal items
and steel stud shop drawings.

F59.

G. COORDINATION DRAWINGS

- 01/06/22 G06.2 Coordination Drawings: G&R reported that the subs
02/03/22 are revising the area under the precast plank and are
02/17/22 preparing related cost proposals. G&R does not
02/24/22 expect any other coordination issues, noting the HQ
03/10/22 admin area and the support building are coordinated.
03/22/22 Drawings will be submitted shortly for review/record.
03/31/22 [02/03/22: Coordination drawings submitted for the
design team's review on 02/02/22.] [02/17/22: It was
discussed and agreed that the coordination drawings
will be resubmitted by trade for legibility.] [02/24/22:
G&R noted the electrical and plumbing coordination
drawings have been submitted, and the HVAC
drawings are expected soon.] [03/10/22: HVAC
drawings returned for revisions; VAV and TEC to return
plumbing and electrical drawings, respectively.]
[03/22/22-Postscript: As of 03/22/22, the plumbing
electrical and HVAC coordination drawings have been
returned Revise and Resubmit.] [03/31/22: Fire
Protection has been returned Resubmit for Record.
Plumbing, HVAC and Electrical drawings still to be
resubmitted.]

G07.

H. PAYROLL REPORTS

- 03/17/22 H15. Payroll Reports: MBC reported Brennan Concrete is behind in
03/24/22 reporting. [03/24/22: MBC reported no change this week.]
03/31/22 [03/31/22: No changes.]

H16.

I. REQUISITIONS

DiNisco 03/17/22 I19. March Pencil Requisition: Noting Dick Murphy will be away the
MBC 03/24/22 week of 03/28, MB C requested that G&R submit the pencil
03/31/22 requisition before 03/28 to facilitate review. [03/24/22: DiNisco
requested the pencil copy be available before the 03/31 job
meeting. Dick Murphy will review the req on 04/04/22 upon his
return.] [03/31/22: Pencil Req has been submitted for review.]

VAV 03/24/22 I19.1 MEP Site Visit: VAV and TEC will schedule site visits
TEC 03/31/22 once the March pencil req is available for review.
04/01/22 [03/31/22: VAV will be on site at 11:00.] [04/01/22-
Postscript: TEC to visit site either 04/05 or 04/06.]

I20.

J. CHANGE ORDERS

MBC 03/24/22 J21. Change Request Log: G&R distributed the Change Request Log
Mayor 03/31/22 (attached) for review. DiNisco will prepare Change Order #6
04/01/22 including all approved CR's so that they may be on the March
requisition. MBC replied to G&R's question that it is not necessary
for G&R to wait for the change order to be signed to perform work
for which a CCD has been issued because items are approved
with the Mayor in advance of the formal signature and a change
order. [03/31/22: G&R distributed the Change Request Log
(attached) for review. DiNisco has drafted Change Order #6 of all
approved items.] [04/01/22-Postscript: DiNisco forwarded CO #6
to MBC and Mayor for review.]

J22.

K. CONSTRUCTION CHANGE DIRECTIVES (CCD)

K07.

L. FIELD ORDERS

L06.

M. PROPOSAL REQUESTS

M08.

O. REQUEST FOR INFORMATION

DiNisco 11/17/21 O27. RFI Log: The RFI Log was reviewed (attached). G&R noted Araujo's shower stall question was actually related to the CMU "hot zone" showers, as such does not apply. DiNisco noted that they will issue a field order clarifying the tile detail at the bunk room shower stalls.

--- 03/31/22 O45. RFI Update: The RFI Log was reviewed (attached). Record Item.

O46.

P. DEMOLITION

P01.

Q. SITE WORK

R&S	01/20/22	Q10.1.07	Landscape Subcontractor: G&R advised that Viking has backed out of the project and G&R will be signing another contractor yet to be determined. DiNisco, noting previous discussions as to plant availability, urged the submission of the plant list in February. [01/27/22: G&R reported that they now have R&S Landscaping under contract for the project, noting R&S will be using SiteOne for supplying plants. A meeting with Brown Sardina will be set up.] [02/03/22: G&R advised that before setting up a meeting with R&S and Brown Sardina, G&R first wants to complete the loam submittal process (see Item Q10.1.03).] [02/17/22: G&R will schedule a meeting with BSI, R&S and RJP for early March.] [02/24/22: Meeting will take place at noon, Thursday, 03/03/22.] [03/03/22: The landscape sub was unable to make the meeting and it will be rescheduled.] [03/24/22: G&R will first meet on site with R&S and RJP, then will schedule the meeting with BSI. G&R noted that a possibility might be to push plantings from fall to more favorable Spring '23 planting conditions. MBC noted their preference would be to complete the contract work expediently. This will be further discussed.] [03/31/22: Meeting with site subs and BSI tentatively scheduled for 1:00 PM 04/14/22.]
RJP	01/27/22		
BSI	02/03/22		
	02/17/22		
	02/24/22		
	03/03/22		
	03/24/22		
	03/31/22		

G&R NGrid	11/17/21 11/24/21 01/07/22 02/10/22 02/24/22 03/10/22 03/17/22 03/31/22	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.] [02/24/22: In response to DiNisco's question, G&R advised that the street opening moratorium will be over on or about 15 April.] [03/10/22: G&R reported that they have reached out to Eversource regarding upcoming service installation.] [03/17/22: G&R noted they called NGrid on 03/16 to confirm scheduling the work.] [03/31/22: G&R reported gas company will be on site week of 04/04 to review installation.]
---	01/28/22 02/04/22 03/17/22 03/31/22	Q23.	Ledge Conditions at Tower (Postscript): On 01/28/22 G&R provided elevations of ledge encountered below the tower foundation as requested. DiNisco in turn forwarded the information onto Industrial for review and comment. [02/04/22- Postscript: GZA reviewed conditions with tower contractor and engineer, and DiNisco forwarded to G&R GZA's memo as to how G&R shall proceed with excavations for the tower foundation. G&R to advise as to excavation schedule so that GZA may observe the bottom of tower excavations.] [03/17/22: G&R expects to excavate for the tower foundation the end of April / early May.] [03/31/22: Site contractor back on site and G&R expects the bottom of excavation ready for GZA's inspection the end of next week. G&R will confirm on 04/05.] Record Item.
G&R GZA Industrial	04/05/22	Q23.1	Tower Excavation / Foundations (Postscript): Due to forecast rain, G&R advised excavation for tower foundations and conduits has been postponed until early the week of 04/11. G&R will confirm on 04/08.
WFD G&R	03/31/22	Q24.	Temporary Water: WFD will assist G&R in having a meter installed on the new hydrant on site for temporary water.

Q25.

R. ARCHITECTURAL

- MBC 09/22/21 R05. Window Testing: DiNisco confirmed that windows will be tested in
Greenfield 01/20/22 place, beginning with the windows in the sample panels, with the
02/17/22 testing performed by the owner's testing agents (UTS). DiNisco
03/31/22 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.] [03/31/22: G&R noted window sub will be on
site tomorrow to begin reworking windows in the mock-up.
DiNisco noted a sealant pull test is required by spec, and that
sealant needs to cure a week. Window testing will likely be done
mid-April.]
- 01/27/22 R09. Mock up: DiNisco reviewed the installation of the windows in the
02/10/22 mock up panel, noting that the window sub did not include in the
03/10/22 installation the detailed A&VB tie-ins, which is the point of the
03/31/22 mock up panel. Also, DiNisco noted the window receivers
showed unacceptable gaps at the corners. G&R advised that the
A&VB tie-in will be installed in the mock up, and G&R noted the
receivers were cut too short for the mock up but the final
installation joints will be tight. DiNisco stated A&VB must be
completed for testing the mock up, but that the receivers need not
be changed. [02/10/22: G&R advised the window sub will be out
to complete window work in mock-up after the ice around the
mock-up thaws out a bit.] [03/10/22: G&R reported Greenfield
has everything they need on hand to correct the mock-up, which
will be done in a couple weeks.] [03/31/22: See Item R05.]
Record Item.
- G&R 03/17/22 R10. Window Questions: G&R advised that the hardware changes have
03/24/22 addressed the window size questions, and G&R will confirm with
Efco. [03/24/22: G&R will submit confirmation of discussions with
Efco for record.]
- DiNisco 03/17/22 R11. MEP Markers: In response to MBC's question, DiNisco advised
that the MEP trades do not own placing markers on ATC ceilings
for above ceiling MEP devices needing access. It was discussed
and agreed DiNisco will issue a Proposal Request to have markers
installed to aid service.
- G&R 03/24/22 R12. Fire Pole: It was discussed that a beam segment must be
DiNisco shortened to provide clearance at a junction box serving the pole.
G&R does not yet have any loading data to address the
connection at the top of the pole. Alternates discussed were a
threaded extension on the pole to the deck or LGMF framing just
above the ceiling.

- 03/24/22 R13. Parapet Construction: After the job meeting DiNisco, G&R, Commercial Masonry and Bay State Drywall discussed locations where parapet framing and beam LGMF and sheathing infill will be 1 1/2" - 2" further back relative to the face of masonry veneer. DiNisco reviewed contract drawing details and wall sections, stating face of veneer / parapet shall be as dimensioned on the wall sections. It was agreed that the parapet face would be extended 1 1/2" - 2" with blocking at the gravel stop, and that the beam infill will remain as constructed. Record Item.
- 03/31/22 R14. Housekeeping Pads: In response to G&R's request, DiNisco agreed that pads may be 3 1/2 inches high rather than 4" as specified. Record Item.
- 03/31/22 R15. Patio Railing: In response to G&R's request, DiNisco agreed the railing connection may be welded rather than bolted to speed roof installation over the electric room. Record Item.

R16.

S. STRUCTURAL

S08.

T. FIRE PROTECTION

T04.

U. PLUMBING

U03.

V. HVAC

V01.

W. ELECTRICAL

W04.

X. HAZARDOUS MATERIALS

X01.

Y. MISCELLANEOUS

Y17.

ZA. COMMISSIONING

G&R	10/20/21	ZA03.	Commissioning Kick-off Meeting: It was agreed that a
Consultants	11/09/21		commissioning kick-off meeting will be scheduled at an
DiNisco	01/13/22		appropriate time. Attending will be the MEP subs and DiNisco's
Subs	01/27/22		MEP consultants, who will be performing the commissioning.
	02/17/22		[11/09/21: DiNisco advised that the kick off meeting will be
	02/24/22		scheduled after all HVAC equipment and controls have been
	03/15/22		submitted and approved.] [01/13/22: DiNisco stated a Cx kick-off
	03/18/22		meeting will be scheduled after BAS controls are submitted.]
			[01/27/22: G&R reported BAS submission is expected soon.]
			[02/17/22: BAS has been submitted. DiNisco will consult with
			VAV as to when a kick off meeting should be scheduled.]
			[02/24/22: BAS was returned Revise and Resubmit.] [03/15/22-
			Postscript: BAS resubmitted on 03/15.] [03/18/22-Postscript:
			BAS returned revise and resubmit.]
VAV TEC	03/24/22	ZA03.1	CxA Services: MBC requested that DiNisco remind VAV and TEC to keep track of their respective CxA services hours for submission for payment.
Woburn	02/17/22	ZA04.	Owner CxA Attendance: MBC recommended that someone representing the City should be present at commissioning meetings. It was noted that the City outsources HVAC maintenance, unlike the schools. A model for recent City building involvement would be the new library.

ZA05.

ZB. CONSTRUCTION CLOSEOUT

---	09/01/21	ZB10.	As-Built Drawings: MBC urged G&R to keep up with the as-built
	09/29/21		drawings, especially underslab and site utility work being
	02/03/22		concealed. MBC and consultants will review monthly. [09/29/21:
	02/10/22		G&R reported that below slab installations are following the
	03/24/22		underslab coordination drawings.] [02/03/22: G&R reported that
			they have discussed with the subcontractors the need to maintain
			the as-built drawings now that MEP systems are about to be
			installed.] [02/10/22: G&R reported as-builts are being kept up.]
			[03/24/22: G&R noted subs are updating their as-builts, noting
			that so far all work has been installed per the coordination
			drawings.]

ZB11.

ZZ. CONSTRUCTION PROGRESS

- 03/31/22 ZZ40. Construction Progress: The Architect walked the site and observed the following: (Record Item)
- Site contractor has remobilized.
 - Interior Walls: Drywall being installed at tops of walls at 2nd floor to allow installation of above ceiling mechanicals.
 - HVAC: Ductwork being hung at second floor; ends are being covered as specified.
 - Exterior Walls: Masonry stocked for start of veneer at HQ northeast corner.
 - Turnout Room: Floor being prepped for pour.

ZZ41.

The next on-site Job Meeting will be held **Thursday, April 7, 2022 at 1:00 PM at the Job Site.**

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



Richard N. Rice
DiNISCO DESIGN

RNR/meh

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

Enclosures: G&R 3-week Look Ahead dated 03/28/22
G&R Submittal Log dated 03/30/22
G&R CR Log dated 03/30/22
G&R RFI Log dated 03/30/22



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/30/2022

Project: Woburn Fire Headquarters

Total Items: 10

Log: Submittal

Days Open Calculated by: Calendar Days since date Initially Created

<u>Section</u>	<u>Item#</u>	<u>Description</u>	<u>Supplier or Manufacturer</u>	<u>Date from Subcontractor</u>	<u>Date from GC</u>	<u>Review by Consultant</u>	<u>Review by Architect</u>	<u>Return to Subcontractor</u>	<u>Action</u>	<u>B-I-C</u>	<u>Days Open</u>
050001 Miscellaneous & Ornamental Iron	050001-005-1	Resubmittal of Support Building Mezzanine Stairs Shop Drawings	Larkin Iron Works	02/22/2022	02/22/2022					Consultant,Arch	36
050001 Miscellaneous & Ornamental Iron	050001-019-0	Roof Guardrail Shop Drawings	Larkin Iron Works	03/28/2022	03/28/2022					Consultant,Arch	2
055000 Miscellaneous Metals	055000-004-1	Resubmittal of Hose Rack Shop Drawings		03/29/2022	03/29/2022					Consultant,Arch	1
055000 Miscellaneous Metals	055000-012-0	Training Wall HM Opening Shop Drawings		03/28/2022	03/28/2022					Consultant,Arch	2
062000 Finish Carpentry	062000-003-0	Dry Erase Surface Samples		03/29/2022	03/29/2022					Consultant,Arch	1
090005 Resilient Flooring	090005-013-0	Resilient Flooring Layout Drawings	Capital Flooring	03/29/2022	03/29/2022					Consultant,Arch	1
092116 Gypsum Wallboard	092116-007-2	Resubmittal of Resubmittal of CFMF Shop Drawings		03/29/2022	03/29/2022					Consultant,Arch	1
101100 Markerboard & Tackboards	101100-001-0	Markerboard & Trim Product Data		03/16/2022	03/16/2022					Consultant,Arch	14
101400 Identifying Devices	101400-002-0	Interior Signage Product Data & Shop Drawings		03/02/2022	03/02/2022					Consultant,Arch	28
270100 Structured Cabling Systems	270100-001-0	Structured Cabling System Product Data		03/15/2022	03/15/2022					Consultant,Arch	15

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/30/2022

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		
42	3/2/22	(PR #018) Drying Rack at 133 Firematic Storage		G&R receiving price for IPE Larkin is arguing ownership
43	2/7/22	(PR #019) Interface Overhead Door Controls and Traffic Light		G&R Coordinating with OHD vendor
		Preemption Switch to Dispatch Display		
45	2/21/22	(PR #021) Revisions to Flat Panel Locations		
47	3/1/22	(FO #040) Relocation of Manual Shutoff for PPE Washers		
48	3/2/22	(PR #022) Door Control Revisions		Frames on site will need to be slightly modified. Chasing Door Installer for price
50	3/18/22	(PR #025) Delete Hose Bib at 222		Plumber is stating that water is not shown going to this room via riser. Design team to confirm
		Not issued Total	0.00	
Submitted				
28	1/27/22	(PR #012) Delete Benches & Lockers at Exercise 127	-4,962.14	APPROVED #06
34	3/31/22	Added Digital Locks at Lockers	2,669.63	
36	2/1/22	(PR #014) Delete Lights at Storage 108	-424.58	APPROVED #06
37	3/18/22	(PR #013) Various Changes per RFI #65R	7,612.65	G&R chasing Brothers for re-price
39	2/1/22	(PR #016) Exterior Lighting Revisions	-388.73	APPROVED #06
40	3/10/22	(PR #015) Eversource Utility Pole	-2,369.97	G&R chasing Brothers for re-price
41	2/23/22	(FO #031) Relocate Mop Sink at Room 203	775.06	APPROVED #06
44	3/22/22	(PR #017) Electrical Changes at EF-4	905.98	APPROVED #06
46-R1	3/31/22	(PR #020) Support Building Railing Modifications	2,502.66	APPROVED #06
49	3/22/22	(PR #024) - Added Data for Exercise Equipment	2,629.37	APPROVED #06
52	3/31/22	Parapet Detail Fix at CMU Back up Wall Areas	2,912.63	
53	3/31/22	(RFI #092) - Adjust Window Framing at Lines J.4 and H.8	564.29	
		Submitted Total	12,426.85	
Approved				
1	6/22/21	FSB Electrical Re-bid (For Owner Issued CO)	72,000.00	1
2	6/22/21	FSB HVAC Re-bid (For Owner Issued CO)	77,000.00	2
3	8/31/21	(FSB Electrical Re-bid) Generators for Trailer Temp. Power	1,514.66	3
5	6/29/21	(PR #001) Move Temporary Construction Fence	1,816.60	3
7-R2	10/21/21	(PR #002 and CCD #003) Additional Municipal Fire Alarm Conduit	8,610.60	4
8-R2	10/15/21	(PR #003) Additional Floor Box at Conference Room 123	2,701.29	4
10-R1	10/1/21	Radio Tower Foundation Change	2,820.50	4
11	8/24/21	(PR #004) Site Utility Revisions	1,335.25	4
13-R1	10/1/21	(PR #005) Venting Changes at O/S	9,152.96	4
15-R1	10/21/21	(PR #006) Revision to Trench Drain Venting at Apparatus Bay	9,490.88	4
18-R3	1/19/22	(PR #007) Miscellaneous Revisions to GWB Scope	4,951.54	5
21	10/21/21	(PR #008) - Power & Data at Support Building Counter	1,744.14	4
22-R1	11/23/21	(PR #009) Additional FDC for Training	3,029.27	5
23-R1	12/9/21	(PR #010) - Added Beam at Stair B	5,323.23	5
25	11/9/21	(RFI #053) Gas Line Modifications at Support Building	1,327.56	5

Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 3/30/2022

21-005 Woburn Fire Headquarters

Number	Date	Description	Amount	Change Order
Approved				
27-R2	1/26/22	(PR #011) Fire Dampers at Fire Pole 205	1,465.81	5
31	1/12/22	(FO #018) Hardware Function Change at Toilet Room Doors 124.1 & 125.1	529.81	5
38	1/6/22	(RFI #059) Door Hardware Credit	-5,000.00	5
Approved Total			199,814.10	
Voided				
9	8/16/21	(FO #005) Backfill at Sanitary Line at Grid Line 17 - Flowable Fill		
12	9/3/21	(FSB Electrical Re-bid) Generator Rental for Trailers - Additional Months	2,765.90	
14	9/17/21	(Protest) Utility Company Costs for New Pole & Additional Months of Generator Rental	11,128.91	
17	9/28/21	(FO #012) Refrigerator Swap at Support Building Office		
19	9/28/21	(FO #014) Shift Windows & Roof Ladder at Kitchen & Dining 207		
20	10/5/21	(FO #015) - Concrete Pad Dimensions at Metal Casework		
24	10/21/21	(FO #017) Revised Fire Sprinkler Lines		
26	11/12/21	Chamfer at Watertable CMU	5,345.64	
29	12/8/21	(FO #022) Ceiling Clarifications at Kitchen & Dining		
32	12/8/21	(FO #020) Storefront Head Detail at Main Entry Canopy		
33	12/15/21	(FO #023) CMU Partitions at Support Building Toilet Rooms		
35	1/24/22	Ledge at Wall No. 2	8,050.00	
51	3/18/22	(PR #023) Storefront Type KK Installation Details		
Voided Total			27,290.45	
				Original Contract Amount: 17,647,000.00
				Approved Contract Changes: 199,814.10
				Revised Contract Amount: 17,846,814.10
				Pending Contract Changes: 12,426.85



Report By: Cullen Humfries

Report Type: Open Items

Date: 3/30/2022

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>
Plumbing	115	Hub Drains	03/24/2022	03/24/2022				Consultant, Arch	6