

**OBSERVATION REPORT NO. 38**

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Project: **Woburn Fire Headquarters**

Date: 24 February 2022

Location: Job Site

Attendees: 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

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**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&amp;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&amp;E items have been purchased at this time and explained that, after the dispatch communications bids are received 12/02/21, the FF&amp;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&amp;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&amp;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&amp;E budget based on the 01/26 meeting with WFD for review with the Mayor.] [02/03/2022: DiNisco noted that the FF&amp;E should be bid in late February / early March for September / October delivery.]</p>
DiNisco	12/01/21 02/03/22 02/11/22 02/24/22	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.] [02/11/22-Postscript: DiNisco forwarded exercise equipment layout to supplier for review, comment and coordination]</p> <p>[02/11/22-Postscript: DiNisco forwarded layout to equipment supplier for review and comments.]</p> <p>[02/24/22-Postscript: DiNisco received comments from WFD and will issue direction to G&amp;R coordinating data and receptacle requirements at cardio and stair masters, as well as where in-wall blocking will be needed.]</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.] [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.]
	11/24/21		
	12/01/21		
	01/06/22		
	01/27/22		
	02/04/22		
	02/24/22		

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 / On Site: Per LW Bills, two addition 4-inch conduits will be run between the existing Verizon manhole with the sidewalk into the building. Jay Corey recommended DiNisco contact DPW to coordinate Brothers' Verizon manhole work. [10/27/21: G&R noted that should the time allow, the in-street work will be done after the sanitary sewer work is done next week. Otherwise, G&R reported, the conduits will be installed in the spring.] [11/03/21: G&R will verify with Brothers that they have coordinated with Verizon on this work.] [11/17/21: G&R advised the fire alarm conduit work will be done next spring.]
Brothers	10/27/21		
	11/03/21		
	11/17/21		
WFD	02/10/22	B10.5.01	Municipal Alarm Conduits / Station 3: After discussion, WFD stated that they will reach out to Verizon regarding the schedule of the conduit work at Station 3. Verizon has been paid the engineering fee by the City and Verizon is up to speed on what is required, which must be performed by a Verizon approved contractor. [02/24/22: WFD has not received an update from either DPW or Verizon on schedule since last discussion.]
Verizon	02/24/22		
DPW			

G&R	12/09/21 01/06/22 01/13/22 01/20/22 01/27/22 02/03/22 02/10/22 02/24/22	B12.3.01	<p>Tower Foundation Schedule: G&amp;R has contacted Industrial Communications and advised that tower foundation work is expected to begin the week of 02/14. G&amp;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&amp;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&amp;R to document ledge depth at tower ASAP.] [01/13/22: G&amp;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&amp;R stated that they are meeting with the foundation sub on 01/21 to review tower foundation, and G&amp;R will forward information on ledge conditions at foundation after the meeting.] [01/27/22: G&amp;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&amp;R knows the driller's schedule, they will reschedule foundation work and advise all partners.] [02/03/22: G&amp;R reported the rock driller will be on site the week of 02/14/22.] [02/10/22: G&amp;R confirmed driller will be on site 02/14.] [02/24/22: G&amp;R reported that the ledge at unitized wall has been removed, and next steps are completing the unitized wall construction and distributing the stockpiled boulders before excavating for the tower foundation.]</p>
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G&R	08/18/21	B12.4	Tower Erection: G&R stated that the tower erection should begin on or about 03/01/22. Industrial advised that they will need a week to mobilize, with the tower erected in one day, and another week to wire it. [09/29/21: G&R noted that the current baseline schedule does not show the tower; it will be added to the update.] [01/24/22-Postscript: Industrial Communications inquired as to tower erection schedule; G&R to advise.] [01/27/22: As noted by Item B12.3.01, tower foundation construction and erection will be delayed by ledge drilling operation. G&R to advise. Additional cost may be incurred by Industrial for tower storage fees if erection pushed beyond 03/01/22.] [02/03/22: G&R, noting drilling of ledge at the wall will begin the week of 02/14/22, advised that tower erection will likely push to April. G&R will advise Industrial when schedule is verified.] [02/10/22: G&R will keep the tower contractor, Industrial, informed as to the installation schedule, which G&R now believes to be early April.]
Industrial	09/29/21		
LW Bills	01/24/22		
	01/27/22		
	02/03/22		
	02/10/22		
G&R	11/03/21	B15.	Door Lock Keying: WFD was asked to think about how the new building should be keyed (i.e. whose key should open what areas). A keying meeting will be scheduled in the near future with WFD, G&R, DiNisco and the hardware supplier. [11/11/21-Postscript: As discussed at the 10/10 job meeting, DiNisco provided WFD with plans showing doors with locks to key. DiNisco established the target date for WFD to provide a keying concept is 01/01/22.] [12/03/21-Postscript: WFD forwarded draft of keying scheme to DiNisco, who will review and forward to G&R.] [12/09/21: DiNisco issued Field Order 21 to G&R with WFD's keying arrangement. G&R's hardware supplier will use this information to develop a keying schedule, which will be reviewed with WFD at a future meeting.] [01/24/22-Postscript: Draft key schedule submitted for review; DiNisco will schedule meeting with WFD.] [01/27/22: It was discussed this may be a web meeting.] [02/04/22-Postscript: DiNisco forwarded draft key schedule for WFD review on 02/04/22.] [02/11/22-Postscript: WFD review comments forwarded to G&R; Kamco to respond.] [02/17/2022: Following the job meeting, DiNisco and WFD reviewed the keying schedule and DiNisco subsequently returned the submission "Revise and Resubmit" so that WFD's intentions were addressed.]
Kamco	12/03/21		
	12/09/21		
	01/24/22		
	01/27/22		
	02/04/22		
	02/11/22		
	02/17/22		
DiNisco	11/24/21	B15.2	Doors 115.1 and 113.1: WFD advised that the occupancy of Room 113 will be changed to Payroll/Arson and Room 115 to Permits/Oil Burner. DiNisco noted this will only change the text of the room signage.

- 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 01/13/22 B18. Dispatch Communications: DiNisco, WFD and MBC met with ALL-COMM for an initial review of their communications work. DiNisco will schedule a coordination meeting with ALL-COMM and G&R in the near future.
- G&R 01/13/22 B18.1 Dispatch Communication Back Boxes: DiNisco will inquire of ALL-COMM if there are back boxes they are to provide G&R for installation. [01/20/22-Postscript: DiNisco forwarded request to ALL-COMM for "specialty" backboxes to be installed by Brothers in CMU Apparatus Bay walls.] [01/27/22: ALL-COMM to visit site and coordinate with G&R.] [02/03/22: ALL-COMM met with G&R this week and will furnish the boxes to be installed by Brothers soon.] [02/10/22: G&R noted the ALL-COMM back boxes are not yet on site. DiNisco will contact ALL-COMM regarding delivery.] [02/18/22-Postscript: DiNisco contacted LW Bills, who will be providing the backboxes in question (not ALL-COMM) to inquire as to their status.] [02/24/22: DiNisco has advised G&R that backboxes in question are standard four-inch boxes and that it will be more direct for Brothers to furnish and install them. G&R is discussing with Brothers.]
- Brothers 01/20/22  
01/27/22  
02/03/22  
02/10/22  
02/18/22  
02/24/22
- DiNisco 02/17/22 B19. State 911 Coordination Meeting: Woburn's CIO has contacted DiNisco about scheduling a coordination meeting with the State 911 Department, who will be relocating 911 equipment from Station 3 to the new Dispatch. DiNisco suggested 1:00 PM, Thursday, 02/24/22 and will confirm. [02/24/22: The 911 walkthrough / coordination meeting has been scheduled for 1:00 PM, 03/03/22.]
- 02/24/22



WFD 02/24/22 B21. Security Monitors: WFD inquired how (what workstations) will  
DiNisco CCTV cameras be monitored. DiNisco and tech consultant will  
Edvance review with WFD.

WFD 02/24/22 B22. Report Writing: WFD noted that at shift change as many as four  
DiNisco EMT's will need computer access to write reports. It was  
Edvance discussed that the EMT's could sit at the tables in the Ready  
Room and be connected via wireless. At this time, DiNisco  
reported that no unassigned laptops for this function are  
budgeted. DiNisco, Edvance and WFD to review technology  
budget, including computer deployment.

B23.

### 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  
01/20/22 UTS' final inspection 01/18, and the Support Building in 1 1/2-2  
01/27/22 weeks. [01/20/22: G&R reported UTS not yet called as final  
02/03/22 detailing is still being completed.] [01/27/22: It was reported that  
02/10/22 UTS did their final inspection of the HQ and found no issues. The  
02/17/22 Support Building will be ready for UTS final inspection the week of  
02/07/22.] [02/03/22: G&R noted that the last of the steel  
detailing and the final UTS inspection may be put off by the  
pending severe weather.] [02/10/22: It was reported that UTS will  
be on site 02/11 prior to slab pour.] [02/17/22: UTS was on site  
Monday to inspect the support building, and will return to confirm  
remedial work is done.]

CAM 01/27/22 C23. Sheet Metal Permit: Tom Quinn advised that CAM should obtain  
02/03/22 the sheet metal permit prior to beginning ductwork. [02/03/22:  
02/17/22 G&R reported CAM has obtained the permit and it will be posted.]  
[02/17/22: G&R corrected, noting CAM has pulled their low  
voltage permit, but not the sheet metal permit as of this date.]

G&R 02/10/22 C24. FBRA Inspection (Postscript): FBRA was on site after the job  
02/17/22 meeting on 02/10 to observe 2nd floor slab conditions prior to the  
02/28/22 pour 02/11 and their comments were relayed to G&R. G&R  
subsequently confirmed drag bars have been installed. G&R to  
document locations where deck welding burned through joist top  
chord and review with joist manufacturer if repairs are needed.  
[02/17/22: G&R has documented "burn through" locations and  
has sent them to Norgate for comment.] [02/28/22-Postscript:  
G&R submitted RFI 094 describing joist chord repair methodology,  
which the design team takes no exception to. G&R to effect the  
repairs where necessary.]

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

C26.

#### D. CONSTRUCTION SCHEDULE

G&R	10/07/21 12/01/21 12/22/21 01/06/22 01/07/22 02/24/22	D04.3.03	Substantial Completion / Delay Due to Steel Availability: G&R has provided side-by-side bar schedules showing the effect of steel / joist availability, which G&R states has pushed out substantial completion to 30 September 2022. There was discussion as to how best to depict this delay. G&R will formally submit their request for a time extension using graphic schedules showing the impact of steel / joist delivery delays and providing documentation from suppliers documenting the delivery dates. [12/01/21: G&R will be preparing their formal request for time extension based on the recently completed initial CPM schedule.][12/22/21: DiNisco noted that G&R has not yet submitted their extension request, and stated that absent its submission and approval, the specified substantial completion date remains 30 June 2022. G&R intends to submit the time extension request the week of 01/03/2022.] [01/06/22: G&R advised that they will be submitting their time extension request by 01/07. MBC stated that it is hoped that G&R will work to achieve their proposed 09/30/22 Substantial Completion date.] [01/07/22-Postscript: G&R extension request received; DiNisco and MBC to review and respond.] [02/24/22: DiNisco responded to G&R's extension request advising that further documentation is needed.]
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G&R 01/27/22 D04.3.05 CPM Schedule / February Update: G&R stated they will complete the schedule update for February after receiving MBC / DiNisco comments from their 01/07 schedule submission. MBC inquired if G&R had taken any steps to accelerate the completion date. G&R replied that they have taken steps to work under winter conditions (not wait until spring) and are pressing the subs, but G&R has not looked into overtime to accelerate the schedule. [02/03/22: G&R reported that they are in the process of updating the schedule. In response to MBC's question, G&R advised that major work shifts include roofing (put off due to weather), masonry veneer (accelerated to be done under enclosure with backup CMU), and re-sequencing slab pours (to open areas to the mason).] [02/10/22: G&R is working on schedule update but requested DiNisco / MBC comments before finalizing and submitting the update.] [02/24/22: DiNisco response forwarded to G&R on 02/23/22. G&R will complete and submit update for February/March.]

02/03/22

02/10/22

02/24/22

--- 02/24/22 D39. Look Ahead: G&R reviewed the look ahead schedule (attached).  
Record Item.

D40.

**E. SUBMITTAL SCHEDULE**

G&R	10/07/21 11/10/21 12/09/21 01/13/22 01/20/22 01/27/22 02/10/22 02/17/22	E07.3	<p>Submittal Schedule Update (Postscript): DiNisco asked G&amp;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&amp;R noted that several miscellaneous metal submissions are forthcoming.] [11/10/21: G&amp;R expects remaining finishes submittals to be made the next couple weeks, as will be the remaining miscellaneous iron items.] [12/09/21: G&amp;R will update the schedule showing remaining submittals to be made.] [01/13/22: In response to DiNisco's question, G&amp;R reported all schedule critical submissions have been made, with only miscellaneous items and some finishes yet to be submitted.] [01/20/22: G&amp;R stated that they will have a submittal schedule update next week.] [01/27/22: G&amp;R will distribute the updated submittal schedule before the next job meeting.] [02/10/22: G&amp;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&amp;R is in the process of compiling the remaining submittal schedule incorporating items identified in the list DiNisco provided.]</p>
---	02/17/22 02/24/22	E07.3.04	<p>Missing Submittals: G&amp;R provided the following update on significant items:</p> <ul style="list-style-type: none"> <li>- Light Fixtures: Some of the remaining submittals have been forwarded for review, and the others are expected shortly.</li> <li>- Stair Calculations: G&amp;R proposed a Zoom meeting with DiNisco and FBRA.</li> <li>- Roofing: To be resubmitted 02/18.</li> <li>- Metal Wall Panels: To be submitted 2/18. G&amp;R noted wall panel materials have been released.</li> </ul> <p>[02/24/22: As of 02/24/22, remaining light fixtures, stair calculations, roofing and wall panels have been resubmitted for review.] Record Item.</p>

E08.

**F. SUBMITTALS**

G&R	05/14/21	F10.	Construction Indoor IAQ Plan to be submitted within 21 days of NTP.
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- 01/13/22 F39.1 Metal Panel Shop Drawings: before the job meeting  
02/03/22 DiNisco reviewed with Facades and G&R DiNisco's  
02/10/22 most recent shop drawing review comments, which  
02/18/22 included difficulties reading CAD file line weights,  
02/24/22 missing specified scope and details. Facades and  
G&R will resubmit as discussed. [02/03/22: G&R  
noted resubmittal will be coming soon.] [02/10/22:  
G&R advised shops will be resubmitted early the week  
of 02/14.] [02/18/22-Postscript: Resubmitted for  
DiNisco review 02/18.] [02/24/22: DiNisco is  
reviewing the resubmission and will return it by  
03/04/22.] Record Item.
- 01/27/22 F48. Roofing Submittal Review: At G&R's request, DiNisco will meet  
02/03/22 with G&R and Greenwood to review DiNisco's previous shop  
02/10/22 drawing review comments. Meeting will take place at noon  
02/03/22. [02/03/22: Before the job meeting DiNisco, G&R and  
02/18/22 Greenwood met to review DiNisco's review comments which  
02/24/22 Greenwood will address as discussed in their record resubmittal.]  
[02/10/22: G&R advised roofing will be resubmitted 02/11.]  
[02/18/22-Postscript: Resubmitted for DiNisco review 02/18.]  
[02/24/22: DiNisco is reviewing the resubmission and will return it  
by 03/04/22.] Record Item.
- 02/24/22 F52. Submittal Log: G&R distributed the log with priority items  
highlighted (attached), noting stairs of are highest priority. Record  
Item.

### G. COORDINATION DRAWINGS

- G&R 01/06/22 G06.2 Coordination Drawings: G&R reported that the subs  
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  
admin area and the support building are coordinated.  
Drawings will be submitted shortly for review/record.  
[02/03/22: Coordination drawings submitted for the  
design team's review on 02/02/22.] [02/17/22: It was  
discussed and agreed that the coordination drawings  
will be resubmitted by trade for legibility.] [02/24/22:  
G&R noted the electrical and plumbing coordination  
drawings have been submitted, and the HVAC  
drawings are expected soon.]

G07.

**H. PAYROLL REPORTS**

--- 02/10/22 H13. Payroll Reports: MBC reported all subs are up to date with the  
02/17/22 exception of the steel erector's crane operator. [02/17/22: MBC  
02/24/22 reported everyone is up to date except the crane operator.]  
[02/24/22: G&R reported that the reports from the crane operator  
are being overnighted.]

H14.

**I. REQUISITIONS**

--- 01/27/22 I17. January Pencil Requisition: G&R expects to submit the January  
01/31/22 Pencil Req on 01/28, so that comments may be received and the  
02/03/22 final req issued for signature on 02/03. [01/31/22-Postscript:  
02/24/22 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.] [02/24/22: G&R reported that the January  
payment has been received.] Record Item.

DiNisco 02/24/22 I18. February Pencil Requisition (Postscript): G&R forwarded the pencil  
MBC req for February to MBC and DiNisco on 02/25/22.]

I19.

**J. CHANGE ORDERS**

--- 02/24/22 J18. Change Request Log: The updated log was reviewed (copy  
attached).

J19.

**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.

DiNisco 01/06/22 O33. RFI Log: The RFI Log was reviewed (attached). RFI 070-Elec  
01/13/22 Device Height Coordination is the only open RFI. [01/13/22:  
DiNisco will issue field order covering devices not addressed by  
RFI 070 response.]

--- 02/24/22 O40. RFI Update: There are two open RFI's (see log attached). Record  
Item.

O41.

#### **P. DEMOLITION**

P01.

#### **Q. SITE WORK**

RJP 01/13/22 Q10.1.03 Loam Submittals: G&R advised that the site  
G&R 01/20/22 contractor, RJP is responsible for importing and  
02/10/22 spreading loam. BSI cautioned that should RJP elect  
02/17/22 not to use on of the specified sources (G&R said they  
were not), the testing process for each loam  
component and subsequent mix is time consuming  
(assume two months) and the submittal / testing  
process should begin soon. G&R will review spec  
requirements with RJP. [01/20/22: G&R noted RJP is  
reaching out to loam sources named in the  
specification.] [02/10/22: G&R expects to submit on  
the loam soon.] [02/17/22: Submittal has been  
returned Revise and Resubmit, requesting more recent  
test results.]

--- 01/13/22 Q10.1.06 Irrigation Sleeves: G&R advised that RJP will be  
02/17/22 installing the specified sleeves under pavements for  
02/24/22 future irrigation installation by WFD; WFD noted if they  
should decide to install irrigation it will be well after the  
project is completed. It is agreed that G&R will well  
document sleeve locations on the as-built drawings  
and by markers. [02/17/22: DiNisco will forward to  
G&R a drawing provided by WFD to locate the  
sleeves.] [02/24/22: DiNisco reviewed with WFD the  
proposed sprinkler plan and no revisions in sleeves  
from that shown on the contract drawings are needed.]  
Record Item.

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.]
RJP	01/27/22		
BSI	02/03/22		
	02/17/22		
	02/24/22		
G&R	11/17/21	Q16.2	Gas Service: G&R reported that NGrid has not heard from DOT on permit. However, because NGrid now does not want to cap the service at the property line, NGrid has decided to install the service in the spring, when it can be run fully to the gas meter. G&R reported that there will be no further in-street work until spring. [11/24/21: In response to MBC's question, G&R replied they believe NGrid has everything they need to install the gas service, and NGrid has decided to schedule the installation for next spring.] [01/07/22- Postscript: DOT issued the permit to Eversource with WFD copied. Permit has been forwarded to G&R for their info.] [02/10/22: G&R reported that Eversource is lined up to start the gas service installation as soon as the street can be opened up.] [02/24/22: In response to DiNisco's question, G&R advised that the street opening moratorium will be over on or about 15 April.]
NGrid	11/24/21		
	01/07/22		
	02/10/22		
	02/24/22		



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

G&R 01/28/22 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.]

GZA 02/04/22

Q24.

**R. ARCHITECTURAL**

---	02/03/22 02/10/22 02/17/20 02/24/22	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. [02/10/22: It was discussed that G&R will soon submit proposed cold joint and saw cut joint locations.] [02/17/22-Postscript: As requested by DiNisco, G&R forwarded slab on grade saw cut plan for FBRA review.] [02/24/22: Item closed.] Record Item.
MBC	09/22/21 01/20/22 02/17/22	R05.	Window Testing: DiNisco confirmed that windows will be tested in place, beginning with the windows in the sample panels, with the testing performed by the owner's testing agents (UTS). DiNisco noted that there is no independent BECxA responsible for the envelope, and DiNisco will be reviewing envelope construction. [01/20/22: MBC will check with UTS on performing window testing.] [02/17/22: MBC is reviewing UTS proposal which they forwarded to DiNisco for comment. DiNisco confirmed mock-up shall be tested.]
Greenfield	01/27/22 02/10/22	R09.	Mock up: DiNisco reviewed the installation of the windows in the mock up panel, noting that the window sub did not include in the installation the detailed A&VB tie-ins, which is the point of the mock up panel. Also, DiNisco noted the window receivers showed unacceptable gaps at the corners. G&R advised that the A&VB tie-in will be installed in the mock up, and G&R noted the receivers were cut too short for the mock up but the final installation joints will be tight. DiNisco stated A&VB must be completed for testing the mock up, but that the receivers need not be changed. [02/10/22: G&R advised the window sub will be out to complete window work in mock-up after the ice around the mock-up thaws out a bit.]

R10.

**S. STRUCTURAL**

S08.

**T. FIRE PROTECTION**

T04.

**U. PLUMBING**

U03.

**V. HVAC**

V01.

**W. ELECTRICAL**

W03.

**X. HAZARDOUS MATERIALS**

X01.

**Y. MISCELLANEOUS**

Y15.

**ZA. COMMISSIONING**

G&R	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.] [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.]
Consultants	11/09/21	
DiNisco	01/13/22	
Subs	01/27/22	
	02/17/22	
	02/24/22	
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 drawings, especially underslab and site utility work being concealed. MBC and consultants will review monthly. [09/29/21: G&R reported that below slab installations are following the underslab coordination drawings.] [02/03/22: G&R reported that they have discussed with the subcontractors the need to maintain the as-built drawings now that MEP systems are about to be installed.] [02/10/22: G&R reported as-builts are being kept up.]
	09/29/21	
	02/03/22	
	02/10/22	

ZB11.

**ZZ. CONSTRUCTION PROGRESS**

- 02/24/22 ZZ35. Construction Progress: The Architect walked the site and observed the following: (Record Item)
- Site: Drillers have removed rock at retaining wall.
  - Slab on Grade / Admin: Slab was placed the morning of 02/24.
  - Exterior Walls: Enclosure of Admin second floor ongoing. Mason not observed on site.
  - Plumbing: Roughing underway in HQ.

ZZ36.

The next on-site Job Meeting will be held **Thursday, March 3, 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 02/24/22  
G&R Submittal Log dated 02/23/22  
G&R RFI Log dated 02/23/22  
G&R CR Log dated 02/23/22

**Woburn Fire Headquarters**

**3 Week Look Ahead Schedule - Period thru March 11, 2022**

**Prepared by: Dave Bacchiocchi**

**Date Issue: February 24, 2022**

		M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	Remaining (days):
		21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	28-Feb	1-Mar	2-Mar	3-Mar	4-Mar	7-Mar	8-Mar	9-Mar	10-Mar	11-Mar	
<b>SITWORK</b>																	
<b>MASONRY</b>																	
CMU at line 12 HQ	Commercial						One Frame missing from shipment. Expediting Shipment										
<b>ELECTRICAL</b>																	
Electrical Piping at CMU Walls	Brothers Electric																
Install Hangers & Piping	Brothers Electric																
Prep Under Slab Conduit in Apparatus Area	Brothers Electric																
<b>SPRAY FOAM</b>																	
Install Spray Foam at Parapet Walls	Quality insulation																
<b>PLUMBING</b>																	
Install Roof Drains and Sleeves	Araujo																
Prep Under Slab Piping, Drainage, and Venting in Apparatus Area	Araujo																
<b>ROOFING</b>																	
Install AVB and Insulation																	
<b>DRYWALL</b>																	
Frame Parapet Walls/Overhangs at HQ Building	Bay State Drywall																
Stud/Sheath Perimeter Walls at 2nd Floor	Bay State Drywall																
Layout/Stud Interior Walls 2nd Floor	Bay State Drywall																
<b>CONCRETE SLABS</b>																	
Pour 1st Floor Admin Slab	Back Bay Concrete																
Prep SOG at EMT/Turnout Gear																	



Report By: Ian McCallion

Report Type: Open Items

Date: 2/23/2022

Project: Woburn Fire Headquarters

Total Items: 31

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	000001-008-0	Electrical Coordination Drawings	G&R Construction	02/22/2022	02/22/2022					Consultant,Arch	1
000001 General Items	000001-009-0	Plumbing Coordination Drawings	G&R Construction	02/22/2022	02/22/2022					Consultant,Arch	1
050001 Miscellaneous & Ornamental Iron	050001-003-3	Resubmittal of Resubmittal of Stair C Shop Drawings & Calculations	Larkin Iron Works	02/02/2022	02/02/2022					Consultant,Arch	21
050001 Miscellaneous & Ornamental Iron	050001-004-3	Resubmittal of Resubmittal of Stair B Shop Drawings & Calculations	Larkin Iron Works	02/02/2022	02/02/2022					Consultant,Arch	21
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	1
050001 Miscellaneous & Ornamental Iron	050001-005-2	Resubmittal of Support Building Mezzanine Stairs Calculations	Larkin Iron Works	02/23/2022	02/23/2022					Consultant,Arch	0
050001 Miscellaneous & Ornamental Iron	050001-009-1	Resubmittal of Exterior Railing Shop Drawings	Larkin Iron Works	02/21/2022	02/21/2022					Consultant,Arch	2
050001 Miscellaneous & Ornamental Iron	050001-013-1	Resubmittal of Stair A - Calculations	Larkin Iron Works	01/28/2022	01/28/2022					Consultant,Arch	26
050001 Miscellaneous & Ornamental Iron	050001-014-0	Resubmittal of Resubmittal of Stair A Shop Drawings	Larkin Iron Works	01/28/2022	01/28/2022					Consultant,Arch	26
050001 Miscellaneous & Ornamental Iron	050001-015-1	Resubmittal of Resubmittal of Stair B Calculations		02/21/2022	02/21/2022					Consultant,Arch	2
050001 Miscellaneous & Ornamental Iron	050001-016-0	Resubmittal of Stair C Calculations	Larkin Iron Works	02/14/2022	02/14/2022					Consultant,Arch	9
050001 Miscellaneous & Ornamental Iron	050001-017-0	Product Data for Casters, Latches, and Hinges at Mezzanine Gates	Larkin Iron Works	02/21/2022	02/21/2022					Consultant,Arch	2
050001 Miscellaneous &	050001-018-0	Product Data for Thermal Isolators	Larkin Iron Works	02/22/2022	02/22/2022					Consultant,Arch	1



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Ornamental Iron											
055000 Miscellaneous Metals	055000-010-0	Angle & anchors at type F & F1 window sills	Larkin Iron Works	02/21/2022	02/21/2022				Consultant,Arch		2
055000 Miscellaneous Metals	055000-011-0	Support Building OH Door Framing	Larkin Iron Works	02/21/2022	02/21/2022				Consultant,Arch		2
070002 Roofing & Flashing	070002-004-2	Resubmittal of Resubmittal of Roofing Shop Drawings		02/18/2022	02/18/2022				Consultant,Arch		5
070002 Roofing & Flashing	070002-008-1	Resubmittal of Roofing Assembly Letter		02/22/2022	02/22/2022				Consultant,Arch		1
074213 Preformed Cladding	074213-004-2	Resubmittal of Preformed Metal Cladding Shop Drawings		02/18/2022	02/18/2022				Consultant,Arch		5
080001 Metal Windows	080001-008-1	Resubmittal of 2.12 Transaction Window Shop Drawings & Product Data		02/22/2022	02/22/2022				Consultant,Arch		1
090005 Resilient Flooring	090005-009-1	Resubmittal of Synthetic Rubber Flooring Samples		02/23/2022	02/23/2022				Consultant,Arch		0
092116 Gypsum Wallboard	092116-003-1	Resubmittal of Firestopping Product Data	Baystate Drywall	02/18/2022	02/18/2022				Consultant,Arch		5
092116 Gypsum Wallboard	092116-005-1	Resubmittal of Exterior Gypsum Sheathing Product Data	Baystate Drywall	02/18/2022	02/18/2022				Consultant,Arch		5
092116 Gypsum Wallboard	092116-006-1	Resubmittal of Compound, Tape, & Accessories Product Data	Baystate Drywall	02/21/2022	02/21/2022				Consultant,Arch		2
092116 Gypsum Wallboard	092116-009-0	Acoustical Sealant Product Data	Baystate Drywall	02/22/2022	02/22/2022				Consultant,Arch		1
092116 Gypsum Wallboard	092116-010-0	Shaft Wall System Product Data	Baystate Drywall	02/22/2022	02/22/2022				Consultant,Arch		1
092116 Gypsum Wallboard	092116-011-0	Metal Framing Product Data	Baystate Drywall	02/22/2022	02/22/2022				Consultant,Arch		1
105143 Wire Mesh Storage Lockers	105143-001-1	Resubmittal of Wire Mesh Storage Locker Shop Drawings		02/22/2022	02/22/2022				Consultant,Arch		1
260001 Electrical	260001-013-1	Resubmittal of Light Pole Bases Shop Drawings		02/21/2022	02/21/2022				Consultant,Arch		2





Report By: Ian McCallion

Report Type: Open Items Date: 2/23/2022  
 Project: Woburn Fire Headquarters Total Items: 31  
 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>
260001 Electrical	260001-018-1	Resubmittal of Lighting Fixtures R7, R13, R14		02/21/2022	02/21/2022					Consultant,Arch	2
321640 Granite Curb	321640-001-0	Granite Curb Shop Drawings		02/16/2022	02/16/2022					Consultant,Arch	7
321640 Granite Curb	321640-002-0	Granite Curb Product Data		02/16/2022	02/16/2022					Consultant,Arch	7



Report By: Ian McCallion

Report Type: Open Items

Date: 2/23/2022

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>
Architectural	088	Locker Number Sequences	02/15/2022	02/15/2022				Consultant, Arch	8
Architectural	091	Overhead Door Stops	02/21/2022	02/21/2022				Consultant, Arch	2

## Change Request Log by Status

G & R CONSTRUCTION, INC

Date: 2/23/2022

**21-005 Woburn Fire Headquarters**

Number	Date	Description	Amount	Change Order
<b>Not issued</b>				
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		
42	2/23/22	(PR #018) Drying Rack at 133 Firematic Storage		
43	2/7/22	(PR #019) Interface Overhead Door Controls and Traffic Light Preemption Switch to Dispatch Display		
44	2/7/22	(PR #017) Electrical Changes at EF-4		
45	2/16/22	(PR #021) Revisions to Flat Panel Locations		
46	2/22/22	(PR #020) Support Building Railing Modifications		
<b>Not issued Total</b>			<b>0.00</b>	
<b>Submitted</b>				
28	1/27/22	(PR #012) Delete Benches & Lockers at Exercise 127	-4,962.14	APPROVED
35	1/24/22	Ledge at Wall No. 2	8,050.00	
36	2/1/22	(PR #014 ) Delete Lights at Storage 108	-424.58	APPROVED
39	2/1/22	(PR #016) Exterior Lighting Revisions	-388.73	APPROVED
41	2/23/22	(FO #031) Relocate Mop Sink at Room 203	775.06	
<b>Submitted Total</b>			<b>3,049.61</b>	
<b>Approved</b>				
1	6/22/21	FSB Electrical Re-bid (For Owner Issued CO)	72,000.00	1
2	6/22/21	FSB HVAC Re-bid (For Owner Issued CO)	77,000.00	2
3	8/31/21	(FSB Electrical Re-bid) Generators for Trailer Temp. Power	1,514.66	3
5	6/29/21	(PR #001) Move Temporary Construction Fence	1,816.60	3
7-R2	10/21/21	(PR #002 and CCD #003) Additional Municipal Fire Alarm Conduit	8,610.60	4
8-R2	10/15/21	(PR #003) Additional Floor Box at Conference Room 123	2,701.29	4
10-R1	10/1/21	Radio Tower Foundation Change	2,820.50	4
11	8/24/21	(PR #004) Site Utility Revisions	1,335.25	4
13-R1	10/1/21	(PR #005) Venting Changes at O/S	9,152.96	4
15-R1	10/21/21	(PR #006) Revision to Trench Drain Venting at Apparatus Bay	9,490.88	4
18-R3	1/19/22	(PR #007) Miscellaneous Revisions to GWB Scope	4,951.54	5
21	10/21/21	(PR #008) - Power & Data at Support Building Counter	1,744.14	4
22-R1	11/23/21	(PR #009) Additional FDC for Training	3,029.27	5
23-R1	12/9/21	(PR #010) - Added Beam at Stair B	5,323.23	5
25	11/9/21	(RFI #053) Gas Line Modifications at Support Building	1,327.56	5
27-R2	1/26/22	(PR #011) Fire Dampers at Fire Pole 205	1,465.81	5
31	1/12/22	(FO #018) Hardware Function Change at Toilet Room Doors 124.1 & 125.1	529.81	5
38	1/6/22	(RFI #059) Door Hardware Credit	-5,000.00	5
<b>Approved Total</b>			<b>199,814.10</b>	