



PERCON

CONSTRUCTION INC.

Leaders in I.C.I. Building www.perconconstruction.com

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SITE MEETING MINUTES No. 08

Meeting Location: 43 Millwood Road, Toronto, Ontario

Project: Davisville JPS Replacement – PERMIT # 18-169179

Meeting Date: july 03, 2019

Minutes Issue Date: july 08, 2019

Meeting Time: 1:00pm

Minutes Prepared By: Nick S

Average Temp: +/- 10°C cloudy

Pages: 07 pages including this page

These minutes are assumed to be complete and a correct account of the items discussed, directions given and conclusions drawn unless this office is notified in writing to the contrary prior to the next site meeting or 5 business days.

C	P	Participants		
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X		Tyson K	convergint	
X				
X				
X				
X				

2 TO 4 WEEK LOOK AHEAD

Project: Davisville JPS Replacement
Address: 43 Millwood Road, Toronto, Ontario
Contractor: Percon Construction Inc.
Owner: Toronto District School Board
Architect: Snyder Architects

Schedule	june					july					july					july					
	week of 24th					week of 1st					week of 8th					week of 15th					
#	item / description	M	TU	W	TH	F	M	TU	W	TH	F	M	TU	W	TH	F	M	TU	W	TH	F
1																					
2	Excavation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	Footing	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	Shoring	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	Removing debris off site - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	contaminated soil removal off site - in process	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	waterproofing	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	solid pipe waterproofing install at shoring 'blind side'	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
9	inside foundation weeping tile																				
10	exterior fdn weeping tile																				
11	u/g mech & elect prep in parking area																				

Progress as of this meeting:

site grading work = 5%
 site services = 0%

backfilling = 0%
 footings (excavate + form + rebar + concrete) = 25%
 fdn walls (excavate+ form + rebar + concrete) = 25%
 mech underground (int + ext) = 0%
 elect underground (int + ext) = 0%
 telephone/data ductbank = 0%
 electrical ductbank = 0%
 masonry walls 1st floor (LB) = 0%
 masonry walls 1st floor (NLB) = 0%
 masonry walls 2nd floor (LB) = 0%
 masonry walls 2nd floor (NLB) = 0%
 mech + elect + sprink rough in (1st) = 0%
 mech + elect + sprink rough in (2nd) = 0%
 structural steel (bearing plate + columns + beams + OWSJ + deck) = 0%
 precast slab = 0%
 S.O.G (stone + membrane + concrete) = 0%
 topping work = 0%
 windows (alum + curtain wall + glass) = 0%
 HM Door Frame install = 0%
 HM Door install = 0%
 painting (1st + 2nd) = 0%
 flooring (1st + 2nd) = 0%
 ceilings (1st + 2nd) = 0%
 millwork (1st + 2nd) = 0%
 Wood Door install = 0%
 Wood Door Frame install = 0%
 mech + elect + sprink finishes (1st) = 0%
 mech + elect + sprink finishes (2nd) = 0%

concrete curbs = 0%
 concrete surfaces (sidewalks + pads) = 0%
 asphalt (subbase + base + top) = 0%
 brick veneer = 0%
 fencing = 0%
 final grading = 0%
 planting = 0%
 sod = 0%

GENERAL OVERVIEW (NEW ITEMS IN BOLD)

As of this meeting we are at: **CD# 03**
 As of this meeting we are at: **PC# 11**
 As of this meeting we are at: **SI# 23**
 As of this meeting we are at: **RFI# 60 - Unanswered 6, 15, 16, 35, 40, 45, 48, 50, 56, 57. 58. 59. 60**
 As of this meeting we are at: **CO# 05 – with owner for signing 5**
 As of this meeting lost days due to weather are: **00 – not linear days**
 As of this meeting the weather is: **+15 °C +-**

OUTSTANDING REQUEST FOR INFORMATION (RFI) (NEW ITEMS IN BOLD)**ACTION BY****Refer to the attached RFI Log regarding status****SHOP DRAWING SUBMISSION STATUS (NEW ITEMS IN BOLD)****ACTION BY****Refer to the attached Shop Drawing Log regarding status****CASH ALLOWANCE ITEMS – DIVISION 01 21 00, ITEM 1.1.4****ACTION BY**

1 – Supply and install of interior and exterior signage (excluding traffic signage). **In design stage (mtg 4) on going (mtg 5)**

Board Snyder

2 – **Toronto Hydro service connection charges**. SI from Snyder to be issued. (mtg 3) EW-e note Shaheed sent an email (apr-29-19) to owner noting budget cost of \$92k. Owner note to issue instruction to pay \$92k cheque for hydro work via cash allowance. Snyder to issue instruction (mtg 4) board and snyder to discuss, before instruction issued engage T.O hydro, and to pay via cash allowance (mtg 5) EW-e to speak to Sal to sort out so that payments can be issued (mtg 6) Board & EW-E have spoken, but need to speak again. As percon wants the primary and secondary installed this year, along with a power shack for site power usage until the building is ready (mtg 7) **as discussed cec to speak to Toronto hydro if allowed to have a power shack on site (mtg 8)**

Cec service

3 – **Natural gas utility company charges for new gas connection**. Site Instruction from ~~EWE~~ to be issued. (mtg 3) EW-M to look into natural gas **offer to connect**, with Enbridge, and obtain a budget cost to be presented to the owner, so that a formal instruction can be issued to pay for the service via cash allowance (mtg 4) on going issue EW-M to contact board directly if there is an issue (mtg 5) (mtg 6) **EW-M is noting as per spec that it is the mechanical contractor has to make the call to Enbridge in regards to set up (mtg 7)**

municipal

4 – **Fire alarm monitoring panel** (Owner to Provide and program the FA monitoring panel). As discussed owner to provide secondary FA 'red box' when site is ready to receive. EW-e to clarify exactly the scope of work (mtg 4) (TDSB to supply and program the F.A. monitoring panel). EWE to issue installation/connection when site is ready. (mtg 5)

noted

5 – **LAN connection** (TDSB to make final connection to LAN wiring at outlets and inside HUB Room). Owner to perform final terminations at outlets when site is ready. Wire & outlet provided via contract. EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the Data wiring at the outlets and at the patch panels (mtg 5)

noted

6 – **Outgoing telephone system switch** (Owner to Provide and program the standalone telephone switch). Owner to provide switch and program when site is ready. Wire provided via contract. EW-e to clarify exactly the scope of work (mtg 4) TDSB to supply and program the standalone Telephone switch (mtg 5)

noted

7 – **Outgoing telephone system connection** (Owner to make final connection of outgoing telephone wiring at outlets and at telephone backboard) from demarcation point to room outlets final connections. Owner to make final connections when site is ready. EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the outgoing phone wiring at the outlets and at the telephone backboard/Bixs panel (mtg 5)

noted

8 – **Telephone company's incoming service connection charges** (up to main telephone terminal), up to main demarcation point. EW-e to clarify exactly the scope of work (mtg 4) EW-e has clarified that this is the main Telephone incoming service to main telephone terminal (mtg 5)

noted

9 – **Cable TV incoming service connection charges** (to main Electrical Room). EW-e to clarify exactly the scope of work (mtg 4) EW-e has clarified that this is the Cable TV incoming service to main electrical room (mtg 5)

noted

10 – Security system (Owner to make final connection of the security wiring at the control panel (only) and to program the control panel itself) EW-e to clarify exactly the scope of work (mtg 4) TDSB to make final connection of the security wiring at the control panel (only) and to program the panel itself (mtg 5)	noted
11 – Supply and install of the Lighting / HVAC controls in Gym area (Provide relays, contactors, pushbuttons, BAS control points, and associated conduits / wires to Control lighting / HVAC unit in triple gym to suit board requirements) Site instruction from EWE to be issued. (mtg 3) with owner to confirm if required (mtg 4) ew-e has clarified that this is to Provide relays, contactors, pushbuttons, BAS control points and associated conduits/wires to Control lighting/HVAC unit in Gym area to suit board requirements. Board to confirm if required. Board has confirmed this is not required anymore (mtg 5)	noted
12 – Municipal charges for new water, storm, and sanitary service connections and disconnection of existing services Not a contractor's scope of work, Board and Snyder to handle directly (mtg 2) as discussed the pipe capping is done on millwood. Davisville requires locates by T.O water before capping work. quote from T.O Water for new water connections needed. (mtg 4) as discussed all capping work is completed. Municipal services permit application submitted, waiting on T.O (mtg 6)	noted
13 – Supply and install of a Parking garage traffic access control system. In design stage (mtg 4) on going (mtg 5)	noted
14 – Testing and inspection SI#06 has been issued. (mtg 2) HLV2K = soils, environmental, soil bearing capacity, compaction, footing and foundation reinforcing, concrete compressive strength test, CMU compressive test, masonry structural grout and mortar, up-fill, asphalt marshall test, inspection & testing services ZEC = roofing, building envelope including window test(s), transition membrane, cavity wall insulation & fire proofing BUTLER = structural steel inspections above grade FINISH HARDWARE = inspection by AHC FLOOR TILE = TTMAC inspection deemed not required PAINTING = OPCA inspection deemed not required COMMISSIONING = board to choose MILLWORK = AWMAC (mtg 4) commissioning agent to be chosen still (mtg 5) (mtg 7)	Noted, Board
15 – Preparation of a fire safety plan. By board at later date. Board needs set of dwgs from snyder (mtg 4) dwgs provided with board to prepare (mtg 5)	noted
16 – Unforeseen and concealed conditions. on going (mtg 4)	noted
17 - Supply and install of the artificial turf surfacing. (Base bid to include sub- base and sub-drainage shown on landscape dwgs) as per Add#03 (mtg 4) under review (mtg 5) board and Snyder to review if artificial turf is required or not (mtg 6) Snyder has reviewed alternates, but they are sub-standard. Board notes to hold for now, as the board has a standard product to use and will pass on the info to Snyder (mtg 7) board noted this sytem will be possibly deleted. Board still reviewing (mtg 8)	Board, snyder
SAFETY ITEMS (NEW ITEMS IN BOLD)	ACTION BY
Consultants to provide their own safety harnesses	noted
Trades to provide all safety ppwrk to site and percon office before starting on site	All sub-trades
All visitors on site to Sign-In with the Site Super, and be properly equipped with PPE.	All
All individuals, including sub-trades' sub-trades, should obey and respect the safety policy at all times when they are on site.	All
Visitors to be careful when walking in the site, due to open excavation and exposed rebar	All
4.09 – as discussed the fenced off easement roadway at 68 davisville: - there are existing orange garbage bins - no percon trades people or employees are using it as parking	Noted

- area is not in percon's control or carriage
- area is not covered under percons insurance
- photos have been taken of current conditions (mtg 4)

OLD MEETING ITEMS --- (NEW ITEMS IN BOLD) --- *** = post mtg notes --- PCM = pre-construction mtg	ACTION BY
<p>1.4 – RFI#06 - Temp and Perm Fence Location @ 68 Davisville regarding the fence along the 68 Davidsville – to be reviewed after the meeting for the site verification. Issue on going. The RFI response will provide clarification on the type of the fence and what to do with the existing underground services. (mtg 2)</p> <p>Only the south side to be wood fence, north side to remain with chained fence. Waiting on a formal response (mtg 3)</p> <p>Draft PC# 4 issued by snyder to owner for review. quantity of fence to be revised. Easements at 68 davisville to be removed by board, but will stay as chain-link fence, with wood fence (mtg 4) PC# 4r2 issued today and is out for pricing (mtg 5) (mtg 6) (mtg 7)</p> <p>*** quote submitted june-21-19</p> <p>Board noted quote approved, Snyder to issue CO (mtg 8)</p>	snyder
<p>1.5 – SI#03 - Easement Clarification has various issues and they will eventually prevent foundation work to precede beyond gridline 12 / 13. This will potentially cause schedule delay as major subtrades will need to demobilize and remobilize on site. A formal Letter has been submitted by Percon elaborating the site situation, currently waiting on the board and the consultants' response. Formal response to the letter to be issued. Meeting to be arranged with the Board, Consultants and Percon to discuss means & method and design of the construction. (mtg 2)</p> <p>Meeting conducted. Waiting on the formal response from the Board and Snyder. (mtg 3)</p> <p>CD# 3 issued for shoring work only. The remaining work to be issued under a PC, today/tomorrow (mtg 4) CD# 3 quote submitted and is under review. PC# 5 has been issued for the remainder and is out for pricing (mtg 5) as discussed civil trade is requesting a formal dwg dwg from the civil consultant to describe the change. Snyder note the civil changes will be under PC# 5r1, Snyder to issue (mtg 6) (mtg 7)</p> <p>*** PC# 5r1 issued june-21-19</p> <p>Currently with trades for pricing (mtg 8)</p>	Percon + trades
<p>2.1 – Property Bars are found on site – there are 5 found. 1 property bar is found 3ft inside the fence line along the Davisville road. (mtg 2) Board to confirm why 1 property bar was located 3 ft inside the fence line. (mtg 3)</p> <p>As discussed, Board asked budget surveyor to locate the property bars and all monuments. Budget has informed they can't locate any registered site markers. Board to get the board surveyor back (llyod & Purcell) to site and verify all the property bar locations against original survey documents. As noted L&P will take 20 days to come to site (mtg 4) lloyd & Purcell to return to site this week to survey 68 davisville easement, and to also verify property bars. As noted the property bar which is beyond the property line is obsolete, it is from a former property/easement. L&P to co-ordinate with craig when on site (mtg 5) L&P did not show. Board to follow up (mtg 6) board note L&P did perform the work. board to forward the drawing. Board note there are additional bars also added (mtg 7) board noted the work was completed and will send out the survey dwg (mtg 8)</p>	Board
<p>2.3 – Garage access control to be Superior Product Type (mtg 2)</p> <p>This is in regards to the Gates and Swipe card for the underground parking garage access, EWE to provide information.(mtg 3)</p> <p>CA item #13. in design stage between owner and ew-e for power compatibility, and security (mtg 4) with board and under review. percon note if there is an in ground detection loop, this info will be needed asap, as it will affect the fdn work. (mtg 5)</p> <p>as discussed:</p> <ul style="list-style-type: none"> - ground loop to be added - there will be a second set of gates close to the elevator. As discussed fdn concrete work is approaching that area quickly, any conduits that need to be embedded needs direction quickly <p>Instruction to be issued by EW-e (mtg 6)</p> <p>Currently this is with the board under review before direction can be given to the consultants. Board to expedite given the urgency (mtg 7) SI# 16r1 and SI#20 issued. Snyder noted there will be slab thickening done at the gates, as per structural requirements. Percon notes the slab work will be happening in the next 2 weeks (mtg 8)</p>	Snyder
<p>2.9 – Commissioning agent to be chosen, board and Snyder to review. (mtg 2)</p>	Board

<p>Related to SI# 6. On going. as discussed specs note commissioning agent to be notified when excavation started, which already has started (mtg 4) on going, with board (mtg 5) (mtg 6) (mtg 7) (mtg 8)</p>	
<p>3.0 – Board has asked for Snyder to review and confirm site plan approval and if there is any impact on the building permit. (mtg 3) Snyder note the SPA review is holding up the issuance of the final bldg. permit. Snyder note it is at the signature level. As noted Current permit is for fdn to roof, and includes civil work. When full permit is ready Percon will print at a cost (mtg 4) board has reviewed and signed the SPA, and sent it back to the city. It is with the city now for final signing and issuance. Snyder to follow up (mtg 5) as discussed the city has signed it, waiting for copy / ppwrk (mtg 6) (mtg 7) on going. city needs more documents from the board before processing (mtg 8)</p>	<p>Snyder, noted</p>
<p>3.1 – Board to contact Bell for any existing line rework required that serves the houses at 68 Davisville. (mtg 3) As discussed formal RFI to be issued. But owner to review internally also (mtg 4) RFI# 16 issued. Between bell and board to resolve (mtg 5) unresolved still, sal to speak to bell directly (mtg 6) un resolved Sal and bell are in discussions (mtg 7) (mtg 8)</p>	<p>Board</p>
<p>3.5 – Electrical hardware, such as tab operator, lights for barrier free washroom, has to be coordinated with the Electrical Consultant and hardware contractor to ensure there is no issue at time of installation. Items in the Cash Allowance to be reviewed to identify the scope of work for all parties. (mtg 3) ew-e reviewing the electrical rough-ins, location, power requirements, and any AODA requirements. To be co-ordinated with Snyder any discrepancies, if discovered an instruction to be issued (mtg 4) EW-e responded to snyder via email, but there are still issues. Electrical supply has to be located to the active leaf. Snyder and ew-e to further review and discuss. After review clarification instructions to be issued, noting any changes/alterations (mtg 5) EW-e issued an instruction, and is with Snyder to issue (mtg 6) with Snyder under review before issuing. percon note door frames are being ordered as the site needs them. Currently door frames do not have preps for electric hardware, if frames need to be Re & Re after there will be cost (mtg 7) as discussed the doors and frames need to be prepped / roughed in for security, electrified strikes, which needs a detail on how. what is required is a conduit and box within the door frame, to the various locations (mtg 8)</p>	<p>Snyder</p>
<p>4.07 – percon to follow up with general sprinkler on design / shop dwgs (mtg 4) ew-m note pressure info is under the sprinkler division section 210010. As discussed the pressure tests are 2 years old. Snyder to contact cortez if water pressure test is still valid, or be re-done (mtg 5) as discussed cortez will re-test the water pressure, work being scheduled through owner/Snyder (mtg 6) (mtg 7) cortez confirmed the pressure results are good for a year, and to stay as noted as per instructions. As discussed the sprinkler shop dwgs to be submitted as is for review (mtg 8)</p>	<p>Snyder board</p>
<p>4.08 – regarding CD# 2 – contaminated + debris soil. As discussed: - HLV2K to count trucks - there will be weight tickets - HLV2K to have people at dumping site also. Percon to forward the address (mtg 4) Address forwarded. HIV2K needs the weigh tickets still. Percon to follow up with Rockwell siteworks (mtg 5) Additional contaminated soil found at the millwood road entrance area (mtg 6) Rockwell siteworks note they have received approval from GFL dumpsite to start transporting material off site (mtg 7) rockwell notes quotations will be submitted this week for completed to date (mtg 8)</p>	<p>noted</p>
<p>4.13 – monitoring well #107 - shows soil contamination - This is on the budget demolition side. - owner to determine the action to take, but for now the area will remain as is (mtg 4) on going (mtg 5) Area is behind the building footprint at the location of the old school. When uncovered, and disposed. Depth of contamination, and area of contamination (length, width) to be documented on the HLV2K reports (mtg 6) Rockwell siteworks is not at this area yet (mtg 7) when Rockwell at area, percon will notify HLV2K. work to be submitted under the chemical contaminated CD#2 instruction (mtg 8)</p>	<p>noted, HLV2k, Rockwell siteworks</p>
<p>5.04 – HLV2k noted based on past projects, they noted that an environmental approval (EZERT EASR) will be needed for mechanical equipment that burns natural gas. Any equipment that burns natural gas which is under 20 million BTU/hr, requires an EZERT EASR application/approval. ew-m to look into. if ew-m has an enviornmental # then this needs to be forwarded to the board (mtg #5) as discussed</p>	<p>HLV2K, board</p>

HLV2K will review and apply for the permit on behalf of the consultants/team, HLV2K to confirm if required first though before starting application (mtg 6) (mtg 7) board to follow up with HLV2K (mtg 8)	
6.05 – as discussed Rockwell noted they stockpiled topsoil needs to be tested if okay and what amendments are needed. As discussed and agreed to, HLV2K to perform topsoil testing (mtg 6) samples taken, on going (mtg 7) report not received yet. Percon to follow up with HLV2K, as reports are taking too long to be issued (mtg 8)	HLV2K
6.07 – as discussed on site depending on the affected area, excavation and removal of found contaminated soil areas, should be limited to a 1m depth, but ultimately it will be to the discretion of HLV2K (mtg 6) to clarify for landscape areas (mtg 7) board to follow with HLV2K (mtg 8)	Noted, HLV2K, board
6.10 – as discussed regarding durolawn supplier of re-enforced sod product. As discussed durolawn wants to be paid 100% up front to hold pricing until time of install. As discussed percon note durolawn is single sourced. Board does not agree, and wants Snyder to find 2 other companies who can provide the product (mtg 6) Snyder has reviewed alternates, but they are sub-standard. Board notes to hold for now, as the board has a standard product to use and will pass on the info to Snyder (mtg 7) to clarify the work is for re-enforced sod. Board notes the reinforced sod has never worked, and maybe deleted altogether. Board wants Snyder to propose an alternate method, or just put sod. Percon also note if the product is staying, the supplier wants to be paid up front 50% (mtg 8)	Snyder
7.01 – as discussed cec services has noted that the intent is to have the primary and secondary power lines installed this year to avoid cost increases in power cable. As discussed a power shack is to be used until the building is ready. Cec to speak to Toronto hydro (mtg 7) (mtg 8)	Cec services
7.02 – percon requesting if structurally acceptable to backfill completed foundation walls prior to having a slab on grade poured (mtg 7) stephensons noted cannot backfill without suspended slab installed. refer to item 8.02 for current site issues preventing this work (mtg 8)	Stephensons, percon
7.06 – percon note the parking slab needs to be completed prior to the roof slab being formed. All instructions & work that impact the slab on grade work, need to be resolved prior to avoid issues. The slab is expected to be poured within 2 wks +- (mtg 7) refer to item 8.02 for current site issues preventing this work (mtg 8)	Board, all consultants
NEW MEETING ITEMS	ACTION BY
8.01 – percon note due to the weather (rain), and other projects, the shoring sub-trade who was scheduled to start work on july-8-2019, has pushed the start date approximately 1 week (mtg 8)	noted
8.02 – regarding the stockpiled granular material, that is currently within the U/G parking lot area: - due to the unresolved easement issues with 68 davisville, the material cannot be moved over to create the new bearing pad for the shoring sub-trade - if the granular material cannot be moved then the new bearing pad for shoring rig cannot be built - if the granular material cannot be moved out the concrete pier, UG mech/elect can not be done - if the piers are not done then the slab on grade and suspended slab cannot be done - if the slabs cannot be done then backfilling cannot take place - if the concrete work cannot proceed the forming sub-trade will demobilize until the site is ready again, if available - if concrete work cannot proceed then the schedule and finish date is critically and severely affected. Percon notes to keep the forming trade and construction moving, the granular material must be relocated temporarily elsewhere on site, which will result in a double handling charge from the trade. Owner and Snyder to review after the mtg (mtg 8) *** as per agreement cost to be submitted for double handling *** quotation has been submitted on jul-8-19	Snyder, board, percon, rockwell
8.03 – as discussed the board wants the in-house percon safety audits sent to the architect, whenever they are performed (mtg 8)	percon

8.04 – as noted, and further to the response to RFI# 22, the elevator shaft will have waterproofing on the exterior, and will also have crystalline on the inside (mtg 8)	noted

NEXT MEETING: Wednesday July 17, 2019 @ 1:00 p.m. – in percon site trailer
DISTRIBUTION: All present + all in action column

The preceding is assumed to be a complete and correct account of the items discussed, directions given and conclusions drawn, unless this office is notified in writing to the contrary prior to next site meeting or within 5 business days.

**Davisville JPS Replacement
Site Instructions**

SI	Work Description	Status	SI RCVD	SI SENT	Costs for SI	Comments
1	Schedules for the reinforced slabs, SSI#01	with subs	Mar-19-19	Mar-19-19		
2	roof low point, scupper, ramp	with subs	Mar-21-19	Mar-21-19		
3	Easement Clarification	with subs	Mar-21-19	Mar-21-19		
4	Dewatering Package	with subs	Mar-27-19	April-12-19		
5	elevator/shaft size	with subs	April-10-19	April-10-19		To be distribute to all Trades related to elevator
6	Inspection and Testing	with subs	April-10-19	April-12-19		
7	Elec. Clarification	with subs	April-24-19	April-24-19		To be distribute to all Trades related to elevator
8	Response to RFI#12-MSQ#3	with subs	May-06-19	May-06-19		
9	elevator shaft size adjustment - mech (SI#M1)	with subs	may-7-19	may-7-19		
10	property line offset - SK-05	with subs	may-10-19	may-10-19		
11	steel shop dwg comments E2.4 & E3.4	with subs	may-22-19	may-22-19		
12	application for gas meter	with subs	may-22-19	may-22-19		
13	rebar coupler question (RFI#19)	with subs	may-22-19	may-22-19		
14	shop dwg steel detail3 on A6.1 dimension change	with subs	may-30-19	may-30-19		
15	thermostat line voltage (RFI# 35)	with subs	june-25-19	june-25-19		
16r1	parking security gates (ESI5)	with subs	june-28-19	june-28-19		
17	gym curatin & steel intereference - RFI# 17 resp	with subs	july-2-19	july-2-19		
18	back to back zum carrier (RFI# 52 resp.)	with subs	july-3-19	july-3-19		
19	strap anchor spacing + slab infill (RFI# 43 resp)	with subs	july-3-19	july-3-19		
20	mech layout parking garage access control (EJ13)	with subs	july-3-19	july-3-19		
21	rev location of pwr dr operator (EJ14)	with subs	july-3-19	july-3-19		
22	3rd flr duct through beam web (SB4)	with subs	july-3-19	july-3-19		
23	steel deck closure angle grid 11 (SB5)	with subs	july-3-19	july-3-19		
24		with subs				
25		with subs				
26		with subs				
27		with subs				
28		with subs				
29		with subs				
30		with subs				
31		with subs				
32		with subs				
33		with subs				
34		with subs				
35		with subs				
36		with subs				
37		with subs				
38		with subs				
39		with subs				
40		with subs				
41		with subs				
42		with subs				
43		with subs				
44		with subs				
45		with subs				
46		with subs				
47		with subs				

Legend

A - Architectural
 S - Structural
 M - Mechanical
 E - Electrical
 C - Civil

RFI	CONSLT	DESCRIPTION	SENT	VIA	REPLY BY	RESP	RESP RCVD	SI	CN	EMAIL	REPLY SENT TO	COMMENT
1	S	Elevator Hoist Size	March-01-19	email	ASAP	YES	April-10-19	SI#05		yes	Subs, Site	
2	S	MSQ # 1	March-04-19	email	ASAP	YES	March-16-19			yes	Subs, Site	
3	S	AGF RFI # 1	March-06-19	email	ASAP	YES	March-16-19			yes	Subs, Site	
4	S	AGF RFI # 2	March-08-19	email	ASAP	YES	March-15-19			yes	Subs, Site	
5	S / A	Perimeter Site Fence & Wood Fence Install on East Side	March-19-19	email	ASAP	YES	March-19-19			yes	Subs, Site	
6	A	Temp and Perm Fence Location @ 68 Davisville	March-26-19	email	ASAP	YES	May-22-19		4	yes	Subs, Site	
7	S	AGF RFI # 3	March-22-19	email	ASAP	YES	March-28-19			yes	Subs, Site	
8	S	AGF RFI # 4	March-28-19	email	ASAP	YES	April-10-19			yes	Subs, Site	
9	C	Geo Engineer Confirmation	April-01-19	email	ASAP	YES	April-01-19			yes	Subs, Site	
10	S	AGF RFI #05	April-08-19	email	ASAP	YES	April-10-19			yes	Subs, Site	
11	S	MSQ#2	April-15-19	email	ASAP	YES	April-24-19			yes	Subs, Site	
12	S	MSQ#3	April-22-19	email	ASAP	YES	May-06-19	SI#08		yes	Subs, Site	
13	S	MSQ#4	April-24-19	email	ASAP	YES	April-25-19			yes	Subs, Site	
14	S	MSQ#5	April-25-19	email	ASAP	YES	may-22-19			yes	Subs, Site	
15	S	MSQ#6	May-06-19	email	ASAP	NO						
16	A	Existing Service Line @ 68 Davisville	May-14-19	email	ASAP	NO						
17	arch	gym curtain conflict + dimensions	may-16-19	email	ASAP	YES	July-02-19	SI#17		yes	subs, site	
18	mech/elect	garage elect rough-in issues	may-16-19	email	ASAP	YES	may-23-19			yes	subs, site	
18r1	mech/elect	garage elect rough-in issues	NA	email	ASAP	YES	may-30-19			yes	subs, site	REVISED RESPONSE
19	Structural	rebar coupler question	may-17-19	email	ASAP	Yes	May-21-19			yes	subs, site	
20	arch	stair E - 3 step riser issue	may-23-19	email	ASAP	Yes	June-03-19			yes	subs, site	
21	arch	waterproofing questions	may-23-19	email	ASAP	NO						
22	arch/mech	foundation weeper question	may-24-19	email	ASAP	Yes	July-02-19			yes		
23	arch	opening at stair D dimension request	may-24-19	email	ASAP	Yes	June-03-19			yes	subs, site	
24	arch/mech/struct	exhaust Rm # 6 - opening dimensions request	may-24-19	email	ASAP	NO						need formal response
25	arch/struct	height of walls to determine concrete slab slope	may-24-19	email	ASAP	Yes	June-06-19			yes	subs, site	
26	arch/elect	soak away pits for ductbanks	may-24-19	email	ASAP	Yes	June-18-19			yes	subs, site	
27	arch	frost slab clarifications	may-24-19	email	ASAP	Yes	June-07-19			yes	site	
28	Structural	MSQ#7	May-29-19	email	ASAP	Yes	June-06-19			yes	subs, site	
29	struct / arch	MSQ#8	june-3-19	email	ASAP	Yes	June-18-19			yes	subs, site	
30	arch/struct/mech	floor drains + slopes + floor finish issues	june-3-19	email	ASAP	NO						
31	arch	string dimension on dwg A200 request	june-3-19	email	ASAP	Yes	July-02-19			yes	subs, site	
32	arch/mech	dimension & info on dwg A201 request	june-3-19	email	ASAP	Yes	June-19-19				subs, site	response needs further review
33	S	MSQ#9	June-04-19	email	ASAP	Yes	June-18-19			yes	subs, site	

RFI	CONSLT	DESCRIPTION	SENT	VIA	REPLY BY	RESP	RESP RCVD	SI	CN	EMAIL	REPLY SENT TO	COMMENT
34	E / A	Location of 3 receptacles at gym wall	June-07-19	email	ASAP	Yes	June-18-19			yes	subs, site	
35	mech	thermostat line voltage clarification request	june-12-19	email	ASAP	NO						
36	arch/struct	Design Notes requirements	June-12-19	email	ASAP	Yes	July-02-19			yes	subs, site	
37	arch	Cascadia Clips Clarification	June-12-19	email	ASAP	Yes	June-18-19			yes	subs, site	
38	arch	Wall Assembly at South&East Elevation	June-12-19	email	ASAP	Yes	July-02-19			yes	subs, site	
39	mech/elect	binary or analog input for motor monitoring	June-13-19	email	ASAP	Yes	June-18-19			yes	subs, site	
40	mech/elect	control and feedback for AHU#1 - 3 & DOAS# 1-3	June-14-19	email	ASAP	NO						
41	arch / struct	precast stair & slab questions	june-14-19	email	ASAP	Yes	June-18-19			yes	subs, site	response needs further review
42	arch/struct	precast slab at elevator issue	june-17-19	email	ASAP	Yes	June-18-19			yes	subs, site	
43	arch / struct	precast slab cut outs for steel along grid B + anchors	june-17-19	email	ASAP	Yes	June-18-19			yes	subs, site	response needs further review
44	arch / struct	angled precast slab cut support	june-20-19	email	ASAP	Yes	July-02-19				subs, site	
45	arch / struct	wall thickness discrepancies	june-20-19	email	ASAP	NO						
46	arch / struct	stair H & K if precast or not	june-20-19	email	ASAP	Yes	July-02-19			yes	subs, site	
47	struct	library live & dead loads info request	june-20-19	email	ASAP	Yes	July-02-19			yes	subs, site	
48	arch / struct	shift mech openings request	june-20-19	email	ASAP	NO						
49	mech / arch	various mechanical plumbing issues + clarifications	june-21-19	email	ASAP	yes	june-21-19			yes	subs, site	response needs further review
50	arch	rubble use for shoring platform	june-21-19	email	ASAP	NO						
51	mech	gym fan controls	june-24-19	email	ASAP	YES	july-3-19			yes	subs, site	
52	mech	back to back zurn clarification	june-24-19	email	ASAP	YES	july-3-19			yes	subs, site	
53	arch	S.O.G membrane below parking slab clarification	june-26-19	email	ASAP	YES	july-3-19			yes	subs, site	
54	mech	insulation above sanitary clarification	june-28-19	email	ASAP	YES	july-3-19			yes	subs, site	
55	mech	XXX zurn drain clarification	july-2-19	email	ASAP	YES	july-3-19			yes	subs, site	
56	arch / elect	interactive projector dimensions	july-4-19	email	ASAP	NO						
57	arch/elect/mech	DJRPS - RFI#57 – Hand Dryer@ Uni. WRs Install Clarification	july-4-19	email	ASAP	NO						
58	struct	shoring location confirmation	july-5-19	email	ASAP	NO						
59	struct / arch	structural steel MSQ# 10	july-5-19	email	ASAP	NO						
60	struct / arch	structural steel MSQ# 11	july-5-19	email	ASAP	NO						
61				email	ASAP	NO						
62				email	ASAP	NO						
63				email	ASAP	NO						
64				email	ASAP	NO						
65				email	ASAP	NO						
66				email	ASAP	NO						
67				email	ASAP	NO						
68				email	ASAP	NO						
69				email	ASAP	NO						
70				email	ASAP	NO						
71				email	ASAP	NO						
72				email	ASAP	NO						
73				email	ASAP	NO						
74				email	ASAP	NO						

RFI SCHEDULE

RFI	CONSLT	DESCRIPTION	SENT	VIA	REPLY BY	RESP	RESP RCVD	SI	CN	EMAIL	REPLY SENT TO	COMMENT
				email	ASAP	NO						
				email	ASAP	NO						
				email	ASAP	NO						
				email	ASAP	NO						

	mix design	SUB-002	Innocon Inc	Concrete Mix Design	March 08 2019	march 08 2019	March 27 2019	March 27 2019	April-07-19				RAN	
03 35 43	Concrete Floor Sealing													
1.2 Product Data	Provide Product Data, including data sheets													
1.3 Closeout	Provide Manufactures Standard Maintenance Guidelines													
03 41 13	Precast Structural Concrete													
03 41 13	concrete mix design													
03 41 13	shop drawing	SUB-097	Coreslab	Coreslab Shop drawing - lvl 2	July-04-19	July-04-19								
03 41 13	structural design calculation													
03 41 13	welder certification													
03 41 13	product data													
1.5 Warranty	Provide 5 Year Warranty													
03 41 23	Precast Concrete Stairs													
03 41 23	Shop Drawings	SUB-084	Coreslab	Level 0 to Level 1 stairwells only Shop Drawing (Stairs D, E, G)	June-14-19	June-14-19								Dist. To Mirage
03 41 23	Shop Drawings	SUB-098	Coreslab	Precast Shop Drawing	July-05-19	July-05-19								
03 41 23	Product Data, Cut Sheets													
DIV 4														
14523.15	Testing and Inspection Masonry and Masonry Reinforcing													
Part 6	Mortar Testing - Each 500m2 and 2 tests for every floor lift		JVH Masonry											
Part 7	Grout Test - Each 20m3 of grout poured		JVH Masonry											
Part 8	Masonry Testing - 5 units of each size for each 500m2 and each Storey		JVH Masonry											
	Tests doubled for units greater than 15MPA and Clay Units at 25 MPA		JVH Masonry											
04 05 00	COMMON WORK RESULTS FOR MASONRY													
1.2	SAMPLES AS PER BELOW		JVH Masonry											
1.4	TEST REPORTS AS PER BELOW		JVH Masonry											
1.6	MOCK UP PANEL - 1220 x 1860		JVH Masonry											
3.1	CLEANING		JVH Masonry											
04 05 10	Masonry Mortaring and Grouting													
	sample		JVH Masonry											
	mock up		JVH Masonry											
04 05 19	Masonry Anchorage and Reinforcing													
Section 2	Samples		JVH Masonry											
04 05 23	Masonry Accessories													
1.3	Mockups		JVH Masonry											
2	Product Samples		JVH Masonry											
04 21 00	Clay Unit Masonry													
	mock up		JVH Masonry											
04 22 00	Concrete unit masonry													
	sample		JVH Masonry											
	mock up		JVH Masonry											
04 43 16.01	Quarried Stone													
	Samples and Documentation on Source of Quarried Sample		JVH Masonry											
DIV 5														
TEST REQUIREMENTS - STRUCUTRAL STEEL														
014523.12 - 3.2	Structural Steel Shop Inspection		Mirage Steel											
014523.12 - 3.3	Structural Steel Field Inspections		Mirage Steel											
014523.12 - 3.4	Bolted Connection Testing		Mirage Steel											
014523.12 - 3.5	Welded Connection Testing		Mirage Steel											
014523.12 - 3.6	Headed Stud Testing		Mirage Steel											
014523.12 - 3.7	Architecturally Exposed Structural Steel		Mirage Steel											
TEST REQUIREMENTS - STEEL DECK														
14523.13	Field Inspection													
05 12 00, 05 12 13	Structural Steel, Architectural Exposed Structural Steel													
05 12 00, 05 12 13	calculations, shop drawing		Mirage Steel											
05 12 00, 05 12 13	preconstruction survey		Mirage Steel											
05 12 00, 05 12 13	erection procedure	SUB-004	Mirage Steel	Post Installed Anchor Bolts	March 12 2019	March 12 2019	March 14 2019	March 14 2019	April-07-19				REJ	
05 12 00, 05 12 13	erection procedure	SUB-006	Mirage Steel	Post Installed Anchor Bolts	March-13-19	March-13-19	April-26-19	April-26-19	April-26-19	May-06-19			REV	
05 12 00, 05 12 13	quality control program		Mirage Steel											
05 12 00, 05 12 13	product data		Mirage Steel											
05 12 00, 05 12 13	welding procedure		Mirage Steel											
05 12 00, 05 12 13	welder certification		Mirage Steel											
05 12 00, 05 12 13	mill report		Mirage Steel											
05 21 19	Structural Steel & OWSJ													
05 21 19	design calculation		Mirage Steel											
05 21 19	shop drawing	SUB-015	Mirage Steel	Ground Floor Lintel Shop Drawings	March-27-19	March-27-19	April-10-19	April-10-19	April-10-19				RAN	
05 21 19	shop drawing	SUB-015	Mirage Steel	Ground Floor Lintel Shop Drawings - E2.4	N.A	N.A	May-30-19	May-30-19	May-30-19	May-30-19			RAN	E2.4 was reissued from the consultant with additional comments.
05 21 19	shop drawing	SUB-021	Mirage Steel	Second Floor Framing Plan E3.1, 3.2, 6.1	April-04-19	April-07-19	April-24-19	April-24-19	April-24-19				RAN	
05 21 19	shop drawing	SUB-021r1	Mirage Steel	Second Floor Framing Plan E3.1, 3.2, 6.1	na	na	April-30-19	April-30-19	April-30-19	May-06-19			RAN	Reissued from arch. As resp. to RFI#14
05 21 19	shop drawing	SUB-022	Mirage Steel	Second Floor Framing Plan E3.3, 6.2	April-05-19	April-07-19	April-24-19	April-24-19	April-24-19				RAN	
05 21 19	shop drawing	SUB-022r1	Mirage Steel	Second Floor Framing Plan E3.3, 6.2	na	na	April-30-19	April-30-19	April-30-19				RAN	Reissued from arch. As resp. to RFI#14
05 21 19	shop drawing	SUB-026	Mirage Steel	Second Floor Framing Plan E3.4, 6.3	April-11-19	April-11-19	April-30-19	April-30-19	April-30-19	May-06-19			RAN	
05 21 19	shop drawing	SUB-026	Mirage Steel	Second Floor Framing Plan E3.4, 6.3	N.A	N.A	April-30-19	April-30-19	April-30-19	May-06-19			RAN	Reissued from the consultant with additional comments.
05 21 19	shop drawing	SUB-030	Mirage Steel	2nd FL Lintel Plan & Schedule + Partial 3rd FL Framing Plan	April-23-19	April-23-19	June-04-19	June-04-19	June-04-19	June-04-19			RAN	
05 21 19	shop drawing	SUB-045	Mirage Steel	Partial 3rd Floor Framing E3.6, 3.7, 6.5, 6.6	May-07-19	May-07-19								Dist. To Coreslab

	Inspection and Compaction of Subgrade													
	Samples													
	Testing													
Closeout	Operation and Maintenance Data													
	Warranty - 1 years as per section 1.5													
32 31 13	Chainlink Fences and Gates		Perfect Gates & Fences Inc.											
	Product Data													
	Shop Drawings													
	Colour Chip Samples													
	Pre-Install Meeting													
	Test reports and Pre-Install Meeting													
32 37 00	Site Furnishings													
	Product Data Sheets, Shop Drawings													
Closeout	Maintenance data and care													
	3.1.1.1 - Benches	SUB-094	Maglin Site Furniture	Bench Shop Drawing & Color Chart	June-26-19	June-26-19								
	3.1.1.2 - Play Equipment		Forum											
	3.1.1.3 - Bike Racks	SUB-047	Forum	Bike Rack Shop Drawing	May-09-19	May-09-19								
	3.1.1.4 - Planters		Forum											
	3.1.1.5 - Basketball Equipment		Forum											
32 91 19.13	topsoil placement and grading		Rockwell site Works											
32 92 23	Sodding													
32 93 10	trees,shrubs and ground cover planting													
Closeout	Maintenance During Warranty - As per 3.15													
DIV 33														
33 46 16	Landscape Subdrainage Piping		Torsan											
33 46 16	Product Data Sheet		Torsan											
Closeout Doc			Torsan											
33 46 00	Subdrainage													
33 46 00	Shop Drawing	SUB-101	Torsan	CB+STM+SAN Structure	July-05-19	July-05-19								
33 46 00	Shop Drawing	SUB-102	Torsan	CDS Stormwater Treatment	July-05-19	July-05-19								
Closeout Doc														
MISC														
SHORING	SHORING AND TIE-BACK SHORING		Pro-Caission											
	Engineered Shop Drawings	SUB-009	Pro-Caission	Shoring Layout, Key Plan & Schedule	March 18 2019	March 18 2019	N/A	N/A						REJ
	Engineered Shop Drawings	SUB-009R1	Pro-Caission	Shoring Layout, Key Plan & Schedule	March 22 2019	March 22 2019	March 27 2019	March 27 2019						REJ
	Engineered Shop Drawings	SUB-009R2	Pro-Caission	Shoring Layout, Key Plan & Schedule	April-10-19	April-10-19	April-18-19	April-18-19	April-18-19					REV