

Weekly Report

Jan 11th - 17th

2021 Report # 25

Norway House Cree Nation

Health Centre of Excellence



Project:

CD4 – Health Centre of Excellence

Aman Chana

JNR Construction

Weekly Progress Report

Jan 19, 2021, ID #203

REPORT DETAILS

Created by Aman Chana

1. WORK LOG

Crew	# Workers	# Total hours	Work performed
JNR	52	3100	See below for discriptions
Totals	52	3100	

2. CREW ONSITE

2.1 The following crews were active in this report period

- ☒ JNR
- ☒ Mechanical
- ☒ Electrical
- ☐ Masonry
- ☒ Structural Steel

3. ARCHITECTURAL

3.1 Ongoing Work

N/A

3.2 Completed Work

N/A

4. STRUCTURAL

4.1 Ongoing Work

Erecting structural steel (A3/B1).
 Placing steel Columns & Beams (A3/B1)

4.2 Completed Work

Concrete

- Forming Grade Beam (A1) (G.L. - 25e/Je)
- Place rebar, weld plates, & embed angles.
- Placing Ties & Camlocks
- Buttoning up forms
- Forming Grade Beam (A2) (G.L. - 6e-7e/Ue)
- Place rebar, weld plates, & embed angles.
- Buttoning up forms

Layout and formwork for Grade Beam (C1) (G.L. - 6w, Ww & Xx).

- Place rebar, weld plates and embeds.
- Placing Camlocks Ties
- Build Anchor Bolt Plates / Bulkheads.
- Prep to button up.
- Placing exterior embeds.
- Start Grade Beam near area (A2) (G.L. - 25e/Je)
- Start layout and sleepers
- Layout A2 finger (G.L. - 6e-7e/Ue)

5. MECHANICAL

5.1 Ongoing Work

Producing required shop drawing submittals -Ongoing

5.2 Completed Work

Heating main duct installation under Q-Deck (A1)

6. ELECTRICAL

6.1 Ongoing Work

Producing required shop drawing submittals -Ongoing

6.2 Completed Work

7. CIVIL

7.1 Ongoing Work

Inspections:

4 lifts tested and approved

-Compaction 99.5%, MC 5.0%

-Compaction 102.5%, MC 5.5%

-Compaction 100.5%, MC 3.5%

-Compaction 94.5%, MC 4.7%

Surveyor

Layout of Grid Lines for Masonry work (A1).

Marking elevation for Masonry work (A1).

Layout of Concrete blocks in Crawlspace (A1).

Quantity Survey.

Drafting / Data management..

-Backfilling operations (A2/C1/C2).

-Heating and hoarding fire hydrants for upcoming flow test

-Draining and pouring anti freeze in hydrants to keep them from freezing.

-Hoarding and heating frozen lumps of granular backfill at quarry.

7.2 Completed Work

8. SAFETY AND COVID-19 SCREENING

8.1 Number of Covid Screening reports completed

JNR is continuing screening all visitors and staff daily who report to site.

312 Covid screening reports completed on site last week.

9. SITE VISIT SCHEDULE

9.1 Next scheduled site visit

Next scheduled visit to site is Jan 21

The consultants team is heading to Norway House to review the P.A project and will also review HCOE progress.

NOTES

NOTES:

Manitoba Hydro's sub trade MCL installing Hydro poles on-site.
5 hydro poles were installed along North Access road to Hospital Site.

Roman masonry mobilized to site Jan 16th with first truck loads of material

PHOTOS (46)



Steel pipes on site

Anmol Kang

Jan 17, 2021 11:36 AM



Rebarring A1

Anmol Kang

Jan 17, 2021 11:36 AM



Rebaarring c1

Anmol Kang

Jan 17, 2021 11:35 AM



Rebarring C1

Anmol Kang

Jan 17, 2021 11:35 AM



Steel structure in A3 B1

Anmol Kang

Jan 17, 2021 11:35 AM



Hoarding over formwork C1

Anmol Kang

Jan 17, 2021 11:35 AM



Installation of heating mains under the Qdeck A1

Anmol Kang

Jan 17, 2021 11:33 AM



Backfilling near sewage and water connection area

Anmol Kang

Jan 17, 2021 11:32 AM



Backfilling operation in C2

Anmol Kang

Jan 17, 2021 11:31 AM



Sand over poly in C1

Anmol Kang

Jan 17, 2021 11:31 AM



Heeting main pipes

Anmol Kang

Jan 17, 2021 11:31 AM



Backfilling

Anmol Kang

Jan 17, 2021 11:31 AM



Erecting steel structure B1

Anmol Kang

Jan 16, 2021 8:13 AM



Backfil C2

Anmol Kang

Jan 16, 2021 8:13 AM



Steel pipes on site

Anmol Kang

Jan 16, 2021 8:13 AM



Steel structure B1

Anmol Kang

Jan 16, 2021 8:12 AM



Steel structure A3

Anmol Kang

Jan 16, 2021 8:12 AM



Moving sand for backfill

Anmol Kang

Jan 16, 2021 8:11 AM



Hoarding over formwork C1

Anmol Kang

Jan 16, 2021 8:11 AM



Hydro poles at site

Anmol Kang

Jan 16, 2021 8:10 AM



Poly in C1

Anmol Kang

Jan 16, 2021 8:10 AM



Moving pipes to crawlspace area

Anmol Kang

Jan 16, 2021 8:10 AM



Rebarbing A1
Anmol Kang
Jan 16, 2021 8:09 AM



Rebarbing A2
Anmol Kang
Jan 16, 2021 8:09 AM



A2 work in progress
Anmol Kang
Jan 16, 2021 8:07 AM



progress in steel structure
Anmol Kang
Jan 16, 2021 8:07 AM



Attaching membrane to Grade beam

Anmol Kang

Jan 16, 2021 8:07 AM



Hauling Material On-Site

Anmol Kang

Jan 15, 2021 11:46 AM



Backfill Sewage and Water Lines Trench

Anmol Kang

Jan 15, 2021 11:46 AM



C1- Laying Poly Membrane

Anmol Kang

Jan 15, 2021 11:46 AM



Structural Steel Erection

Anmol Kang

Jan 15, 2021 11:46 AM



C2- Hoarding & Heating Backfill

Anmol Kang

Jan 15, 2021 11:45 AM



B1- Spreading Sand with Stone Slinger

Anmol Kang

Jan 15, 2021 11:44 AM



Grade Beam Rebar Closeup

Anmol Kang

Jan 15, 2021 11:44 AM



A1- Grade Beam Formwork
Anmol Kang
Jan 15, 2021 11:43 AM



C2- Stockpile of Backfill Material
Anmol Kang
Jan 15, 2021 11:43 AM



A2- Tying Rebar For Grade Beam
Anmol Kang
Jan 15, 2021 11:43 AM



A3- Structural Columns & Beams
Anmol Kang
Jan 15, 2021 11:42 AM



C1- Spreading Sand by Stone Slinger

Anmol Kang

Jan 15, 2021 11:42 AM



Aerial View of Backfilling Weeping Tiles Trench

Wayne Dee

Jan 15, 2021 6:54 AM



A2- Aerial View of Grade Beam Formwork

Wayne Dee

Jan 15, 2021 6:54 AM



B1- Aerial View of Stone Slinger Spreading Sand

Wayne Dee

Jan 15, 2021 6:54 AM



A2- Grade Beam Formwork

Anmol Kang

Jan 14, 2021 12:46 PM



C1- Stone Slinger Spreading Sand

Anmol Kang

Jan 14, 2021 12:45 PM



B1/B2- Poly Membrane install

Anmol Kang

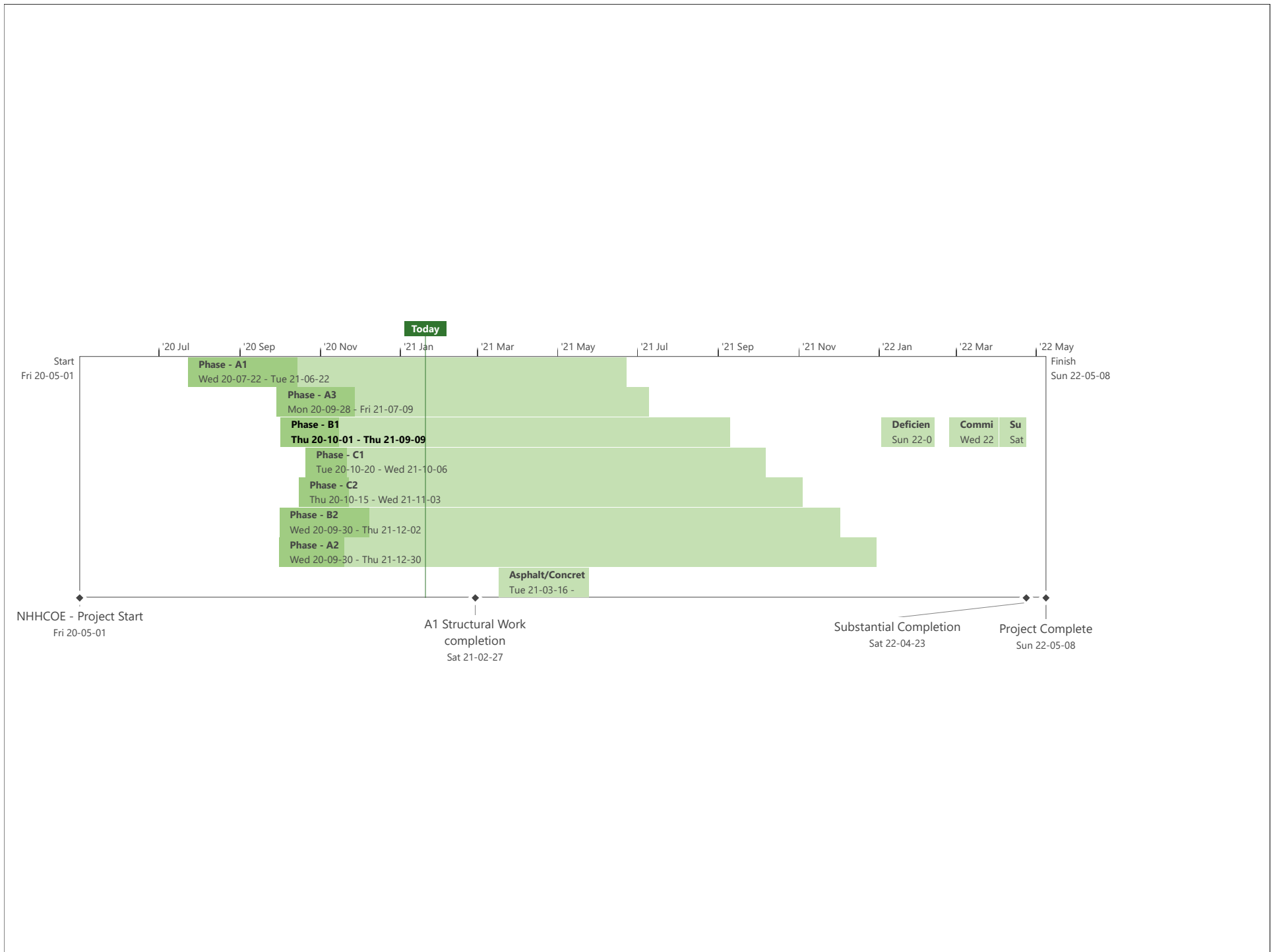
Jan 13, 2021 8:22 AM



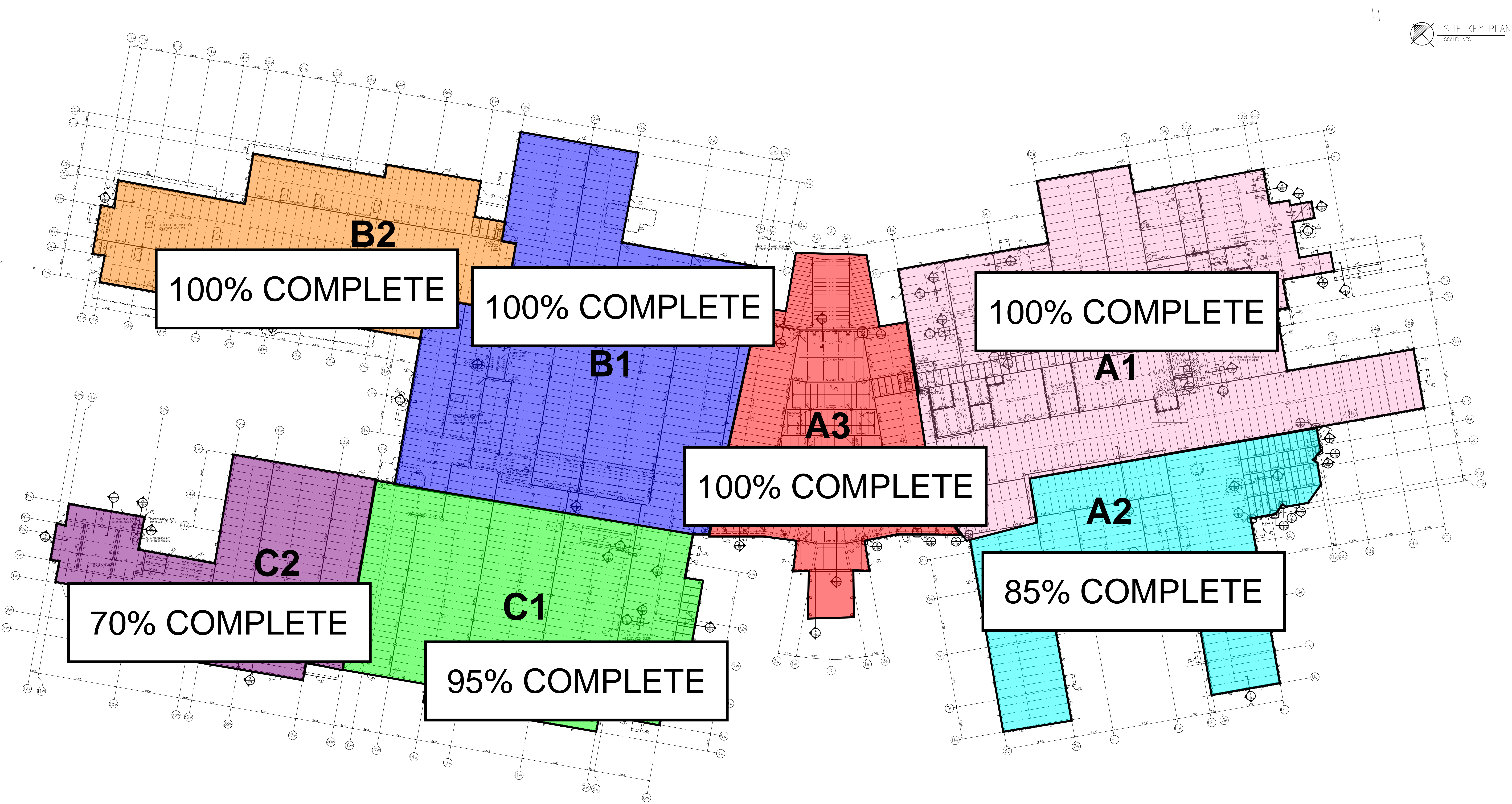
C2- Placing backfill material

Anmol Kang

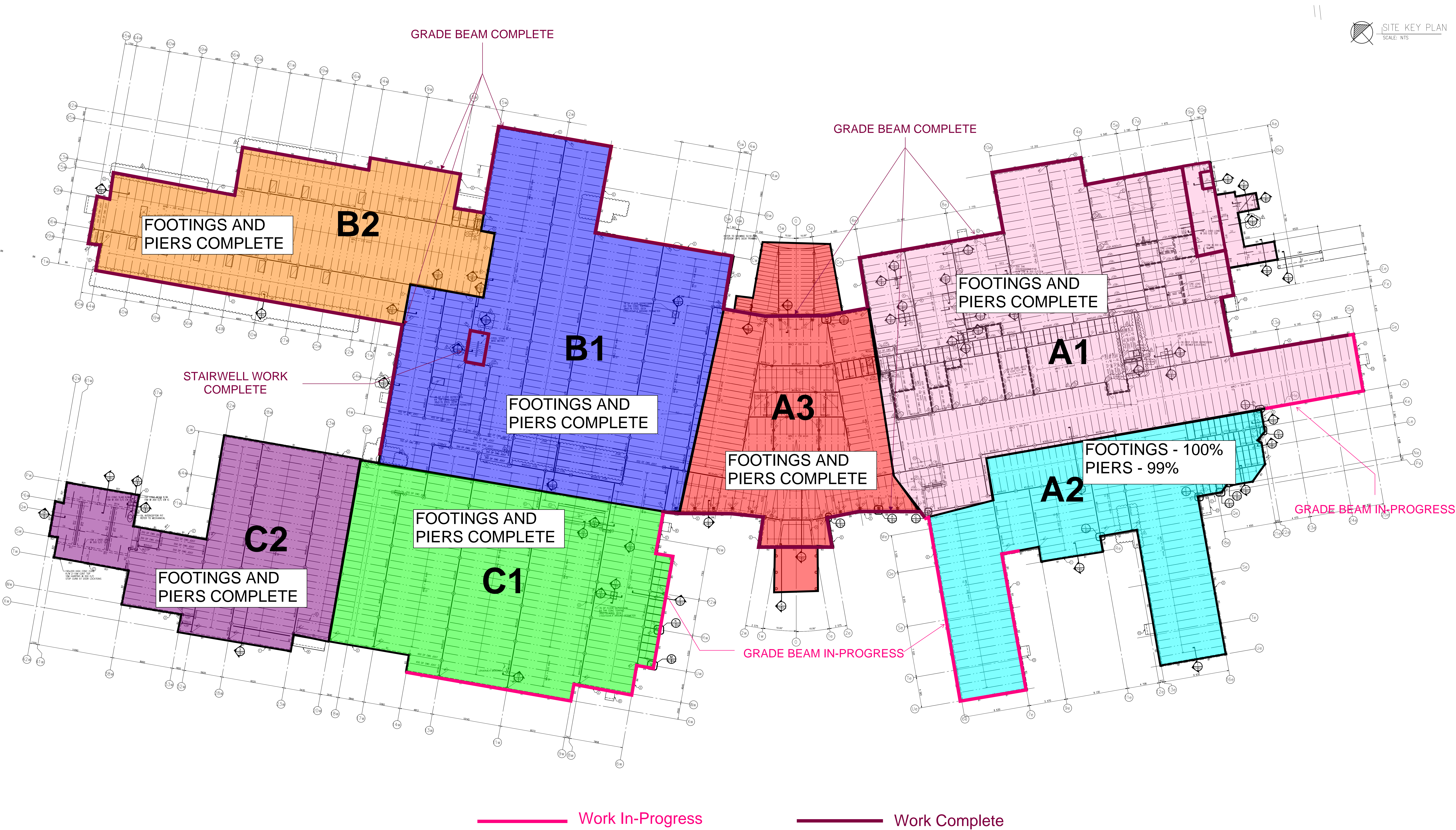
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BACKFILL ACTIVITY



FORMWORK & CONCRETE ACTIVITY



B1
FLOOR LEVEL
Structural Steel - 50%
Q-Deck - 0%
ROOF LEVEL
Structural Steel - 0%
Q-Deck - 0%

A3
FLOOR LEVEL
Structural Steel - 40%
Q-Deck - 0%
ROOF LEVEL
Structural Steel - 0%
Q-Deck - 0%

A1
FLOOR LEVEL
Structural Steel - 80%
Q-Deck - 80%
ROOF LEVEL
Structural Steel - 0%
Q-Deck - 0%

B2

B1

A3

A2

C2

C1

0% COMPLETE

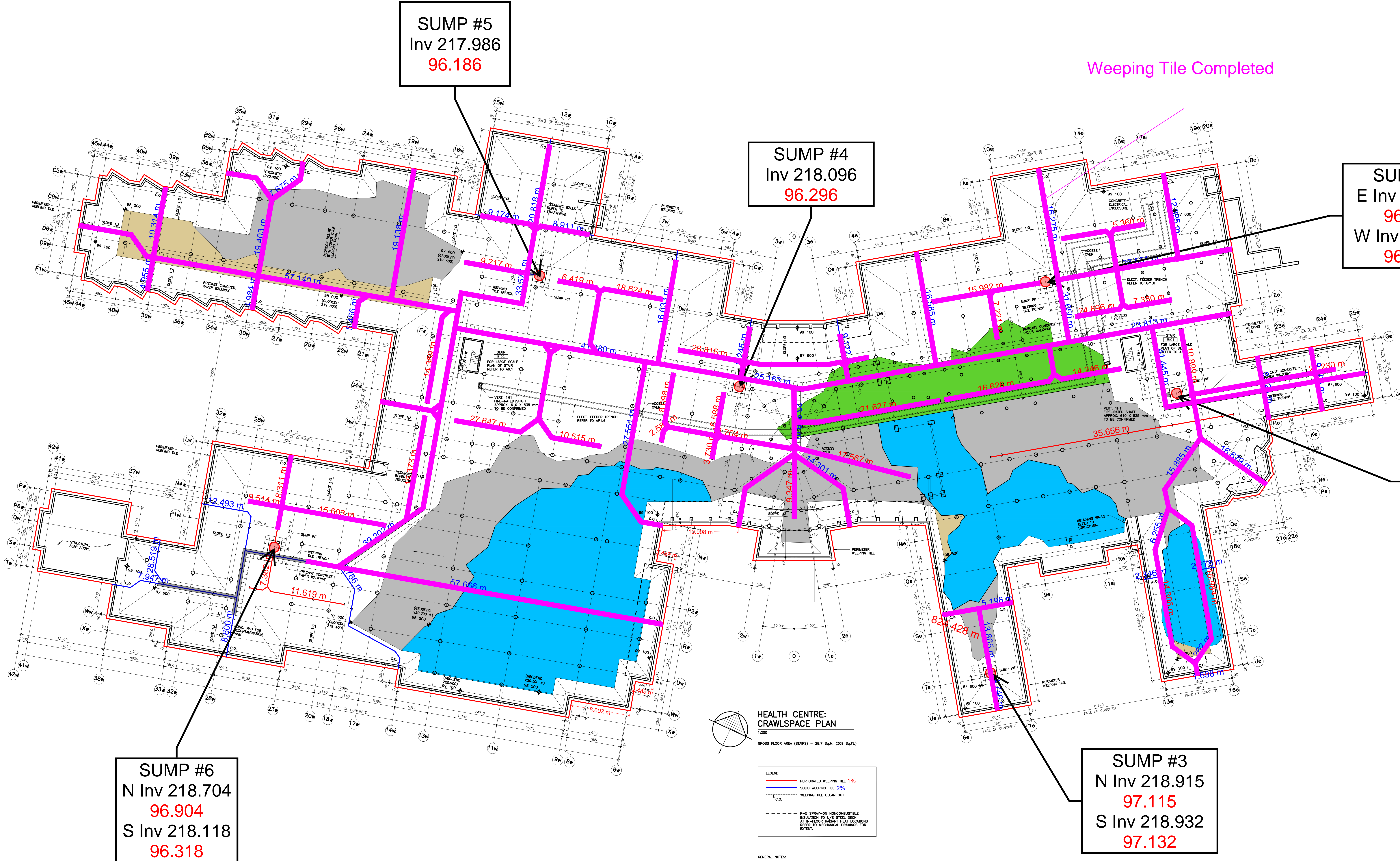
0% COMPLETE

0% COMPLETE

0% COMPLETE

SITE KEY PLAN
SCALE: NTS

WEEPING TILE UPDATE



Work Completed



NHCN CD4/19015D
NORWAY HOUSE CREE NATION - HEALTH CENTRE



CHANGE LOG

Updated: 2021-01-20	JNR - JNR Construction	CD - Change Directiv RFI - Request for Information	C - Civil	L - Landscape	APPROVED
Project: NHCN CD4 Health Centre	NHCN - Norway House Cree Nation	CO - Change Order PCN - Proposed Change Notice	A - Architectural	M- Mechanical	CANCELLED
Contract or: JNR Construction	LM - LM Architectural Group	RFE - Request for Equal SI - Supplemental Instruction	S - Structural	O - Other	AWAITING PRICING
JNR Proj# 19015D	SMS - SMS Engineering Ltd.	RFX - Request for Extra RFI - Request for Information	E - Electrical		PRICING SUBMITTED

PCN #	DATE ISSUED	DESCRIPTION	IN RESPONSE TO	ATTACHED DOCUMENTS	DISCIPLINE(S)	ESTIMATE AMOUNT	DATE SUBMITTED	CO #	OWNER APPROVED	STATUS	COMMENTS
001	3-Jul-2020	Cost Savings Implementation.	Refer to the tender documents including addenda and post-tender addenda.	Refer to PCN No. S-01, dated July 3, 2020,	Architectural, Structural	240,742.00	16-Nov-20			PRICING SUBMITTED	
001R1	15-Jul-2020	Cost Savings Implementation.	Tender Documents including Addenda and Post-Tender Addenda.- PCN No. 001.	PCN No. S-01-R1, dated July 15, 2020, 18	Architectural, Structural					PRICING SUBMITTED	
002	17-Jul-2020	Cost Savings Implementation.	Tender Documents including Addenda and Post-Tender Addenda. - PCN No. 001R1, Structural Revision.	Architectural Specification Sections and Drawings. SMS Engineering Limited Mechanical and Electrical PCN No. SMS 001.	Architectural, Structural, Mechanical and Electrical	68,075.00	16-Nov-20			PRICING SUBMITTED	
003	23-Nov-2020	Ambulance Bay Drain Modification	RFI # 036	8 pages total (4pages text, 4 pages drawings)	Architectural, Structural, Mechanical and Electrical	1,180.42	14-Jan-21			PRICING SUBMITTED	
004	30-Nov-2020	1-Loading Dock Equipment 2-Window Treatment Schedule 3-Room Finish Schedule	Cost Savings Accepted by Owner	12 pages total (6 pages text, 6 drawings)	Architectural, Structural, Mechanical and Electrical					AWAITING PRICING	
005	30-Nov-2020	Pier 138 Conflict	Pier 138 Conflict	3 pages total (2 pages text, 1 drawings)	Architectural, Structural, Mechanical and Electrical	4,112.56	14-Dec-20	002	Yes	PRICING SUBMITTED	
RFX #	DATE ISSUED	DESCRIPTION	IN RESPONSE TO	ATTACHED DOCUMENTS	DISCIPLINE(S)	ESTIMATE AMOUNT	DATE SUBMITTED	CO #	OWNER APPROVED	STATUS	COMMENTS
001	03-Dec-20	Baseplate Elevation Change	SI #007R1 and RFI #038	Beakdown sheet		8,502.73	03-Dec-20	003	12-Jan-21	Closed	
002	16-Dec-20	Expansion Joint Angle	SI #006 and RFI #017R1	Beakdown sheet		21,778.63	16-Dec-20			Cancelled	SI #006R1 was issued and revised the requirements
003	21-Dec-20	Cash Allowance Over Run Dec	overrunning concrete testing, foundation inspection, geotechnical services, and compaction testing cash	Beakdown sheet		43,661.87	21-Dec-20	003	04-Jan-21	Closed	
004	30-Dec-20	Cash Allowance Camp Days	concrete testing, foundation inspection, geotechnical services, and compaction testing cash allowances	Beakdown sheet		20,066.32	30-Dec-20	003	04-Jan-21	Closed	
CD #	DATE ISSUED	DESCRIPTION	IN RESPONSE TO	ATTACHED DOCUMENTS	DISCIPLINE(S)	ESTIMATE AMOUNT	DATE SUBMITTED	CO #	OWNER APPROVED	STATUS	COMMENTS
001	30-May-20	Bedrock and Crawlspace Depths	Section 33 46 13 Weeping Tile	Drawing SK-1, JNR Blasting Estimate 05.30.2020	Structural	N/A	N/A	002	12-Jan-21	Closed	
001R1	30-May-20	Bedrock and Crawlspace Depths	Section 33 46 13 Weeping Tile	Drawing SK-1, JNR Blasting Estimate 05.30.2020	Structural	13,857.00	30-Nov-20	002	12-Jan-21		



NHCN CD4/19015D
NORWAY HOUSE CREE NATION - HEALTH CENTRE



CHANGE LOG

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Contract or: JNR Construction	LM - LM Architectural Group	RFE - Request for Equal SI - Supplemental Instruction	S - Structural	O - Other	AWAITING PRICING
JNR Proj# 19015D	SMS - SMS Engineering Ltd.	RFX - Request for Extra RFI - Request for Information	E - Electrical		PRICING SUBMITTED

PCN #	DATE ISSUED	DESCRIPTION	IN RESPONSE TO	ATTACHED DOCUMENTS	DISCIPLINE(S)	ESTIMATE AMOUNT	DATE SUBMITTED	CO #	OWNER APPROVED	STATUS	COMMENTS
002	22-Jun-20	Bedrock and Crawlspace Depths	N/A	L2.0 (PDF) Change Directive No.01 (HTFC)	Structural	N/A	N/A	002		Closed	
CO #	DATE ISSUED	DESCRIPTION	IN RESPONSE TO	ATTACHED DOCUMENTS	DISCIPLINE(S)	SUBCONTRACTORS	CO AMOUNT	OWNER APPROVED	DATE APPROVED	STATUS	COMMENTS
001	03-Dec-20	Baseplate elevation for Column under porduction	RFX001 &PCN005		Structural	Wescan	12,179.01	Yes	17-Dec-20	Closed	
002	01-Nov-21	Crawl sapce redesign	Reduction of Blasting scope		Structural		13,857.00	yes	12-Jan-21	Closed	
003	04-Jan-21	Camp costs for testing & inspections personal. Testing and inspections costs overrun	RFX 003 & 004		Structural		63,728.19	yes	04-Jan-21	Closed	



NORWAY HOUSE CREE NATION
19015D HEALTH CENTRE



RFI LOG

Updated:	2021-01-20	Contractor:	JNR Construction		CLOSED	CANCELLED
Project:	NHCN CD4 Health Centre	JNR Project No. :	19015D		OPEN	PENDING

RFI #	RFI Title	From	Subtrade RFI #	Date Received from Subtrade	Priority	Forwarded to	Date Forwarded to Consultant	Deadline	Date Response Received	SI, PCN, Memo	Date sent to trade	RFI Status	Comments
001	Pilaster Footing	PM	N/A	12-Jun-20	No	CFG	12-Jun-20	22-Jun-20	15-Jun-20	At location described above use a P1or SP1 pier and a F1 footing.	N/A	Closed	
002	Footing Dowels	PM	N/A	12-Jun-20	No	CFG	12-Jun-20	22-Jun-20	15-Jun-20	Providing that no cost is associated with this request; use 30 M as follows: F1- 2-30M dowels F2, and F3 - 3-30M dowels Min 300 into bedrock drill and epoxy grout as per pier schedule still applicable 2020-06-15	N/A	Closed	
003	Structural Clarifications	Wescan	001	17-Jun-20	No	LM,CKP	17-Jun-20	24-Jun-20	23-Jun-20	For requested information refer to attached drawings,RS-2 to RS-5	23-Jul-20	Closed	
004	Manitoba Hydro Fault Currents	Wescan	N/A	25-Jun-20	Yes	SMS	17-Jun-20	03-Jul-20	26-Jun-20	SMS Eng. Is working on IFC documents to complete the service application (per Manitoba Hydro's request) all the information for the service application has been submitted to Manitoba Hydro, including load demand summary ,service application and unsealed electrical drawing	02-Jul-20	Closed	
005	Joist Design	Wescan	002	07-Jun-20	No	LM,CKP	03-Jul-20	09-Jul-20	03-Jul-20	1- Sprinkler Trade to comment 2- Sprinkler trade to comment 3- Coordinate with architect. LMAG: No FRR to main floor assembly 4- Net uplift 0.62 kPa. 5- End moments are not required 6- See attached pages for information requested. 7- Coordinate with architectural drawings LMAG: Refer to roof plan for locations. Load to be accommodated as determined by OWSJ engineer 8- Sawtooth walls deleted. Refer to PCN 01.	08-Jul-20	Closed	
006	Masonry Connection	Wescan	003	08-Jul-20	Yes	LM,CKP	08-Jul-20	10-Jul-20	22-Jul-20	CKP (CFG) 2020-07-22 Refer to attached drawing RS 08 for information requested.	23-Jul-20	Closed	
007	Footing Detail	PM	N/A	17-Jul-20	Yes	LM,CKP	17-Jul-20	27-Jul-20	29-July-20 27-Aug-20	For footings ranging from 475 deep to 600 deep; no additional reinforcing needed. For footings ranging from 600 deep to 1000 deep (maximum), vertical reinforcing and ties required. On 27-Aug-20 Response revised to include vertical reinforcing and ties .All ties 10M @ 250 o/c. (minimum 2 ties per footing) Ftg F1 12-15M Ftg F2 16-15M Ftg F3 20-15M Ftg F4 38-15M (12 long side, 7 short side)	28-Aug-20	Closed	



NORWAY HOUSE CREE NATION
19015D HEALTH CENTRE



RFI LOG

Updated: 2021-01-20		Contractor: JNR Construction									CLOSED	CANCELLED	
Project: NHCN CD4 Health Centre		JNR Project No. : 19015D									OPEN	PENDING	
008	Metal Deck Connection	Wescan	008	29-Jul-20	No	LM,CKP	29-Jul-20	12-Aug-20	29-Jul-20	The Hilti system is an acceptable alternate. Hilti representative to review the installation and provide a letter indicating that their product was installed as per Hilti's recommendations. Capacity of Hilti system should be equal or greater than the arc spot welds specified on contract documents	29-Jul-20	Closed	
009	RO System Pump Clarification	Wescan	005	05-Aug-20	Yes	LM,CKP	05-Aug-20	12-Aug-20	24-Aug-20	RO Pump as identified in the specification section 22 67 00 item 2.1.14 (tagged as PP-14), dwg. M3.1A and dwg. M7.6 is to be tagged as PP-15. Pumps PP-13/PP-14 are tagged as per plumbing pump schedule MS-59. Motor schedule pump tag PP-15 Emergency Domestic Water to be re-tagged as PP-15 MDR RO High Quality Water Loop Pump. Refer to SMS SI 02.	24-Aug-20	Closed	
010	Floor Joist Glulam Load	Canam	006	07-Aug-20	No	LM,CKP	10-Aug-20	15-Aug-20	18-Aug-20	No additional load is applied to the joists by the glulam columns. Will clarify connection of joists at locations where glulam columns and joists coincide.	27-Aug-20	Closed	
011	Column Clear Distance	Wescon	N/A	N/A	No	LM.CKP	11-Sep-20	09-Sep-20	14-Sep-20	Refer to attached AR.004 for column placement.	2020-09-14	Closed	
012	Snow Drift	Wescan	18	01-Sep-20	Yes	LM,CKP	01-Sep-20	04-Sep-20	01-Sep-20	Refer to attached drawing S2.2D for information requested.	02-Sep-20	Closed	
013	Miscellaneous Architectural Clarifications	Wescan	09,10,11,12,13,14,15 &16	24-Aug-20	Yes	LM	02-Sep-20	31-Aug-20	02-Sep-20	Please ensure we are using the correct drawings for the project. All the drawings should be the IFC drawings which capture the cost savings. James you were provided a list of the accepted cost savings can you please forward this on to your team so everyone is on the same page. It might be beneficial we setup a teams meeting to review. The comments below are based on my submission of RFI 9-16	02-Sep-20	Closed	
014	Pier P3 Dowel	PM	N/A	02-Sep-20	Yes	LM,CKP	02-Sep-20	05-Sep-20	02-Sep-20	When a square or rectangle pier is installed in lieu of a round pier, the number of dowels should match. i.e.: in this case the number of dowels in the footing should match the number of vertical bars in the pier.	N/A	Closed	
015	Base Plate Size	JNR	N//A	09-Sep-20	No	LM,CKP	9-Spe-20	14-Sep.20	10-Sep-20	Contract documents called for P1 or SP1 as indicated on highlighted area in attached drawing. Use SP1 piers at locations where BP11 base plates bear on piers. Alternatively, at locations where BP11 rest on the pier, can use a P2 pier, providing that no cost is associated with it.	N/A	Closed	
016	Cultural Hall Roof Framing	JNR	N/A	16-Sep-20	No	LM,CKP	18-Sep-20	26-Sep-20	18-Sep-20	EL 103 900 IS CORRECT 532 BEAM IS CORRECT AS SHOWN ON SECTION S1/S5.4	2020-09-18	Closed	



NORWAY HOUSE CREE NATION
19015D HEALTH CENTRE



RFI LOG

Updated: 2021-01-20		Contractor: JNR Construction										CLOSED	CANCELLED
Project:	NHCN CD4 Health Centre	JNR Project No. : 19015D										OPEN	PENDING
017	Expansion Joint Details	Wescan	19	18-Sep-20	Yes	LM	24-Sep-20	05-Oct-20	07-Oct-20		2020-10-07	Closed	
018	Footing in Existing Low Area	JNR	N/A	N/A	Yes	LM	24-Sep-20	05-Oct-20	14-Oct-20			Closed	
019	Vertical drain lines in the exterior wall	Wescan	22	23-Sep-20	Yes	LM	01-Oct-20	14-Oct-20	08-Oct-20		2020-10-08	Closed	
020	Floor drain line in Scissor Lift station	Wescan	24	24-Sep-20	Yes	LM	28-Sep-20	08-Oct-20	26-Oct-20		2020-10-26	Closed	
021	GB Grade Beam elevation change	JNR	N/A	N/A	Yes	LM	28-Sep-20	08-Oct-20	05-Oct-20		N//A	Closed	
022	Crawlspace density frequency test	JNR	N/A	N/A	Yes	LM	28-Sep-20	08-Oct-20	05-Oct-20	Accepted to use same frequency for slap test	N/A	Closed	
023	Mechanical Room Equipment Load	Wescan	27	29-Sep-20	Yes	LM	29-Sep-20	09-Oct-20	07-Oct-20	LM requested equipment load confirmation, reminder sent to Wescan on 10-08-20 waiting response Wescan response on 10-09-20 that the total combined weight of 4 units	07-Oct-20	Closed	
024	Joist in room IJ 05	Wescan	26	29-Sep-20	Yes	LM	01-Oct-20	14-Oct-20	05-Oct-20		05-Oct-20	Closed	
025R1	Access Hatch Locations	JNR	N/A	05-Oct-20	No	LM	07-Oct-20	07-Oct-20	08-Oct-20		08-Oct-20	Closed	
026	Embed Type to Support Joist	Wescan	31	05-Oct-20	No	LM	05-Oct-20	15-Oct-20	07-Oct-20		07-Oct-20	Closed	
027	Steel Framing Verification	Wescan	32	05-Oct-20	No	LM	15-Oct-20	26-Oct-20	19-Oct-20		19-Oct-20	Closed	
028	Elect Service Room Steel Elevation	Wescan	40	19-Oct-20	Yes	LM	26-Oct-20	06-Nov-20	29-Oct-20		29-Oct-20	Closed	