



Grace Community Birth Center Project

Foreste / Grand-Bassin

Nord-Est Department, Haiti



Progress Report #3

July 6, 2022

This report provides project information required by Section 2.3.2 of the construction contract. It is intended for the sole use of GCBC, project partners, beneficiaries, and donors.

1. Project Director's Comments

We received a shipment of materials from Port-au-Prince on June 22. This shipment was delayed due to instability and material availability. The time lost in delivery is already being made up in the assembly work. The schedule issued in the last report is still achievable and we expect to have the timber assembly completed by mid-July.

The second shipment of materials will arrive from Port-au-Prince around July 8th. This shipment includes temporary construction materials for the rammed earth formwork, interior products, the water tank, and small plumbing items.

July 7th is the first somber anniversary of the assassination of President Moïse. The project staff will have a paid day off on this day.

Overall, I still think the project is on the right track to be completed within the original timeline of 6-months. The rammed earth wall construction will begin in mid-July.

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2. Project Information

The Grace Community Birth Center (GCBC) Project includes the design and construction of a roughly 300 square meter maternity facility on a mostly undeveloped plot of land in Foreste / Grand-Bassin, Haiti. Original Architecture was completed by Slingshot Architecture, from Des Moines, Iowa.

The building shall be timber framed with “Rammed Earth” exterior walls. The Rammed Earth will be generated on-site and mixed with other materials such as sand, pea gravel and cement. Interior walls will be framed with light gauge steel and sheetrock. The roofing system will be timber and steel framed. Metal roofing sheets will be white or crème in color.

The electrical system will be powered by solar panels with backup batteries. The water system will pump from the well to the water tank located on the roof of the new building. Water distribution will be gravity fed to terminations. The sanitary system is also gravity fed and includes the 800-gallon septic tank and leach-field.

GCBC entered into an agreement with RWE Construction Services (RWE) to complete the design, generate drawings and facilitate the construction work.

3. Work Completed During This Period

Subject	Status
Design & Engineering	<p>The drawings are nearly complete, but still needs some cleaning up. The most up-to-date version can be found by scanning the QR code here:</p> <div data-bbox="818 449 1281 911" style="text-align: center;"> </div> <p>As-built drawings are being completed as the work is finished.</p>
Earthwork	<p>Earthwork is substantially complete.</p> <p>During this period, the sanitary line was completed, and the area was regraded.</p> <p>General regrading will be completed later.</p>
Sanitary System	<p>The Sanitary System is substantially complete, including the septic tank, perforated, and non-perforated line.</p> <p>The end-filter will be completed later. The Gray Water tanks will be installed later.</p>
Water System	<p>The distribution piping within the building area is complete. Hot and cold-water piping was installed within the slab and stubbed up to terminations for sinks, toilets, showers, and taps.</p> <p>The new water pump will be installed after the tank is installed.</p>

<p>Building Work</p>	<p>In previous periods we completed the work for the elevated building pad, reinforced concrete slabs, and imbeds to receive the timber frame.</p> <p>During this period, we completed 6 footings to support the exterior columns. The timber frame assembly started on June 23 and is progressing well.</p> <p>The next shipment will bring with it temporary construction materials to begin forming and compacting the rammed earth walls.</p>
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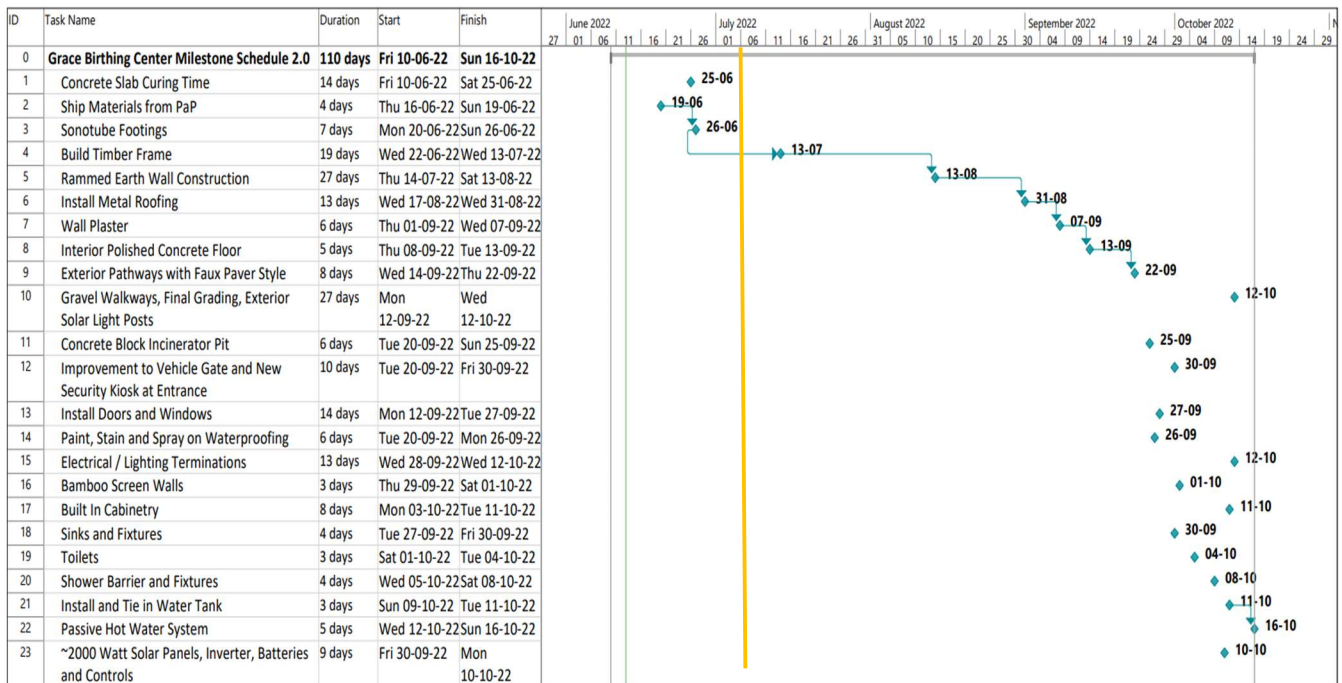
4. Applications for Payment

Here is a summary of payments to date and upcoming payment amounts.

Payment #	Description	Amount	Date Due/ Paid
Payment #1	NTP Deposit	40,387.70	12/20/21
Payment #2	Foundation, Sanitary, Bldg Materials	85,260.25	04/04/22
Payment #3	Building Assembly and REW	53,287.66	06/30/22
Payment #4	Power and Water Systems	21,315.06	~08/31/22
Payment #5	Letter of Occupancy	12,899.96	~10/15/22

5. Schedule

The project is generally on-schedule. The previously issued schedule is still accurate.



6. Potential Change Order Log

No PCO's this period.

Prices of materials are increasing as noted in the last report. But our pricing for Add Options 1st and 2nd are generally on-target. Please notify RWE if GCBC would like to pursue any of the Add Options.

Grace Community Birth Center Project Budget						
Item #	Description	Quantity	Units	Unit Cost	Add Options 1st	Add Options 2nd
1.00	Perimeter and Security				2,000.00	22,180.00
1.01	Security Guard Post Front	1	LS	2,000.00	2,000.00	
1.02	8-foot Chain Link Fence Along Road Frontage	115	M	82.00		9,430.00
1.03	6-foot Livestock Braided Wire Fencing with Wood Posts	375	M	30.00		11,250.00
1.04	Pedestrian Gate for 6-Foot Wire Fence	3	EA	500.00		1,500.00
2.00	Civil & Landscaping				2,850.00	21,130.00
2.01	Aggregate for Parking Area	60	CM	25.00	1,500.00	
2.02	Aggregate for Road	150	CM	25.00		3,750.00
2.06	Landscape Lighting Type 1 - Tall	7	EA	1,350.00	1,350.00	8,100.00
2.07	Landscape Lighting Type 2 - Walkway	48	EA	110.00		5,280.00
2.08	Landscaping Allowance	1	LS	4,000.00		4,000.00
3.00	Water System				-	2,000.00
3.11	Spare Well Pump	1.00	EA	2,000.00		2,000.00
6.00	Solid Waste Management Area				1,500.00	-
6.02	Trash Bins and Separation Area with Light Canopy	1	LS	1,500.00	1,500.00	
7.00	Prenatal and Labor Building				15,684.54	10,418.00
7.16	Install Foil Insulation Barrier	325	SM	15.14	4,922.04	
7.18	Install Sheetrock for Ceiling between Rafters for Interiors	205	SM	52.50	10,762.50	
7.19	Install T1-11 Ceiling between Rafters For Exterior Soffit	100	SM	104.18		10,418.00
Total					22,034.54	55,728.00

7. Testing and Inspections

Previous Periods:

The Senior Engineer noted that there was more organic topsoil than expected, which was removed from the building pad area. The topsoil was all completely removed from the building pad area. The pad was filled with structural backfill and compacted in layers of no more than 20 cm (8-inches).

The Senior Engineer completed an inspection prior to the slab foundation pours to confirm the locations and materials used for: rebar, plumbing, electrical conduit, and steel embeds to receive the timber frame. I was also on-site for this day of inspections. Raw materials for concrete were inspected and confirmed to be satisfactory.

RWE completed two water quality tests with water from the well. Prior to taking the two samples, we allowed the water pump to run for approximately 90-seconds to clear the wellhead. One sample was tested for Hardness and PH. The second was tested for the presence of bacteria. The bacteria test returned with no presence of bacteria in the water source. Results for Hardness and PH suggest that a water softening system be installed to

reduce the risk for build-up and clogging of the water distribution system. We also suggest installing a filter if this source will provide drinking water.

Current Period:

Engineer confirmed shipment of timber were marked with stamps to note the structural grade and tags to indicate treatment for ground contact. All materials arrived as expected.



8. Photographs



Photo 1: The slab foundations cured for roughly 10 days prior to beginning timber assembly.



Photo 2: Assembly started with positioning corner columns.



Photo 3: Septic tank and leaching line were installed, and the impacted areas are regraded.



Photo 4: Rafters fixed prior to cutting column flush to rafter. Temporary braces were added and will be removed as the Rammed Earth Wall is formed up.



Photo 5: Rafters assembly and positioning.



Photo 6: Timber assembly underway.



Photo 7: Timber Assembly



Photo 8: Status of assembly as of July 5