

## Scope of works for the construction of an 8 room Ranger Post at Rabongo Hills - in southern MFCA



5th March 2018

### **Project Overview:**

Uganda Conservation Foundation (UCF) is financing the construction of a Uganda Wildlife Authority (UWA) Ranger Post at Rabongo Hill in southern Murchison Falls.

This construction project is part of the Recovery of Murchison Falls project. In September 2017 the project was reviewed, and a progress report produced. This report provided clear indication that the project is succeeding in the areas we have focused on, and our efforts to Recover the south of the park should continue beyond Mupiina, Bulaya and Got Labwor further north.

We have agreed a simple bricks and mortar construction plan with UWA, as well as a separate ablutions block, and water tanks and guttering for water catchment.

### **Strategic Importance of Rabongo Hills Ranger Post.**

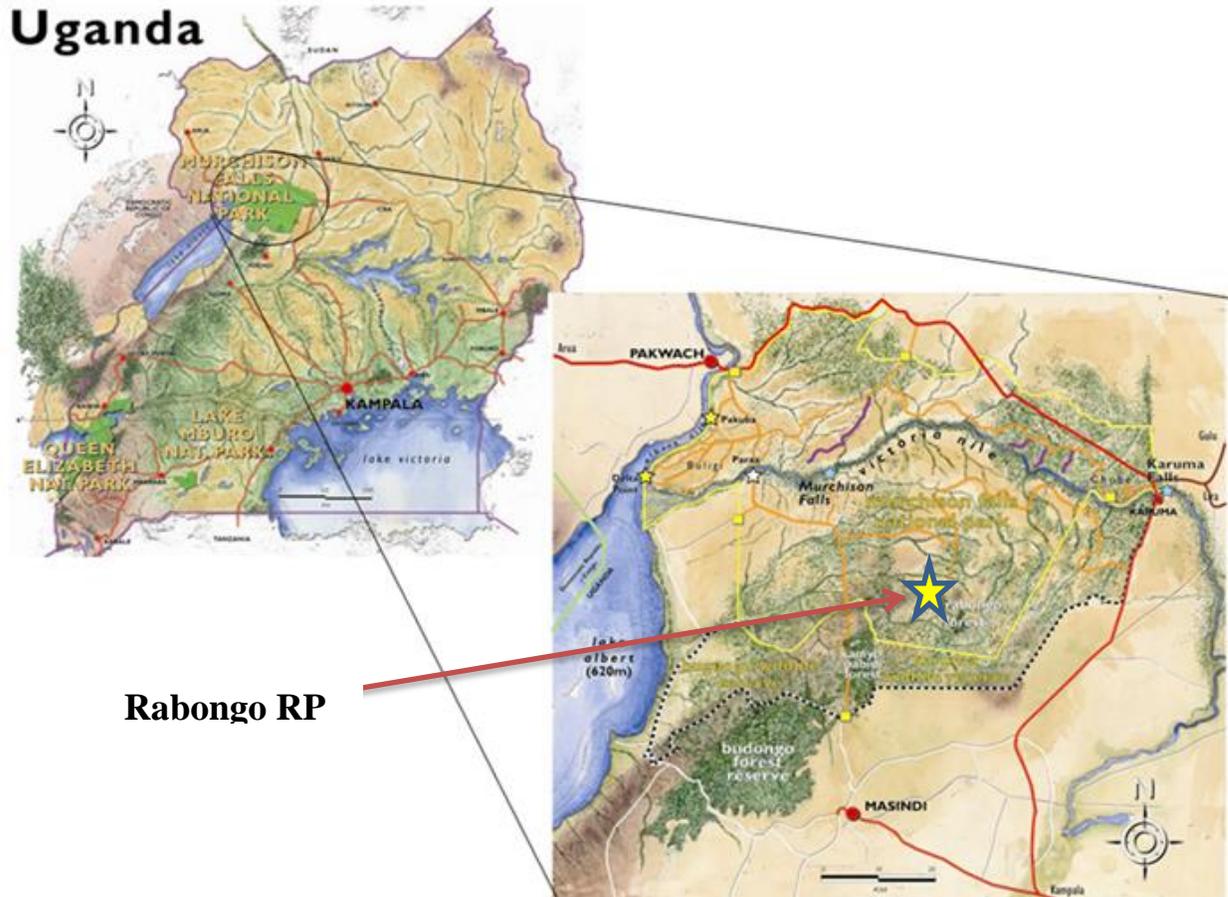
Since 2012 UCF/UWA have been focused on regaining management control of southern MFCA. Once home to over 14000 elephants and the majority of MF's herbivores and carnivores, for fifty years it has been neglected resulting in sustain extremely high levels of poaching. Since the construction of ranger posts in Bugana, Mupina (both temporary due to only being converted shipping containers), Bulaya and Got Labwor Ranger Posts, UWA has regained control of large tracts of land south of the River Nile to the Nanda Road, and with Got Labwor, now deep into southern MF's. Got Labwor is the command post in the south now but needs a supporting RP's to its south west, in the Rabongo Hills.

The expansion of sustained law enforcement reach into the area will open up over 500km<sup>2</sup> of prime lion, giraffe and elephant habitat – which in turn will allow for Murchison Falls and Uganda to dramatically increase its long-term lion, giraffe and other wildlife populations.

The site is on the Sengege ('a barrier / fence') escarpment, protecting a major valley connection between the plains of the north (Mupina, etc) and to the south, 20km to the park boundary, which remains extensively poached. The site will enable a triangulation of support between ranger posts in the region.

### **Location of site:**

The proposed site is located about 60km from Mubako UWA HQ MFCA and about 37km from Rabongo junction on Masindi – Parra road. UWA will clear the access road and finalise the exact location of the site. The road should be completed by 31<sup>st</sup> July 2018.



**Rabongo RP**

**Fig 1: Map of area and proposed location**

The Recovery of Murchison Falls project has been hugely successful thus far, as documented in the Project Review and Progress Report by CDC, stimulating a rapid wildlife and tourism recovery.

One of the greatest challenges has been and will continue to be opening southern MFCAs, by far the largest region in MFCAs and never invested in for law enforcement, conservation or tourism. Thus far, UCF has opened Bugana, Mupiiina, Bulaya and Got Labwor Ranger Posts in the south. Three Ranger Posts remain to be built in southern MFCAs, Waringo Ranger Post junction of the Waiga and Waringo Rivers, the Rabong Hills and Tangala Ranger Posts. Together they extend UWA's reach into stunning landscapes once populated by large numbers of elephants, lion and other wildlife.

The Rabongo Hills Ranger Post has already been sited by Michael Keigwin and an UWA Ranger team (Feb 2018). The site enables ranger to support Got Labwor from the West, whilst protecting prime elephant habitat for the remaining 500 elephants in the south.

The area, as it suggests is hilly, locally called Sengege, 'a fence', which related to communities knowing that well beyond the hills are animals.

Establishing the range post is critical to protect various valleys that connect dry and wet season habitats for herbivores and elephants, and protecting where the digital radio antennae will be, covering communications for the entire park.

A connecting track will need to be graded from thee Rabongo Road, and eventually to Got Labwor, connecting tracks for law enforcement use.

In the dry season the area is very dry, so at least two 10,000-gallon water tanks are needed, possibly a third.



N.B. The below plan is the template for an 8-room ranger post. Additionally, the scope of works also includes a 2-stance toilet and 2 shower blocks, as well as the civic works for a 10,000l water tank will be needed.

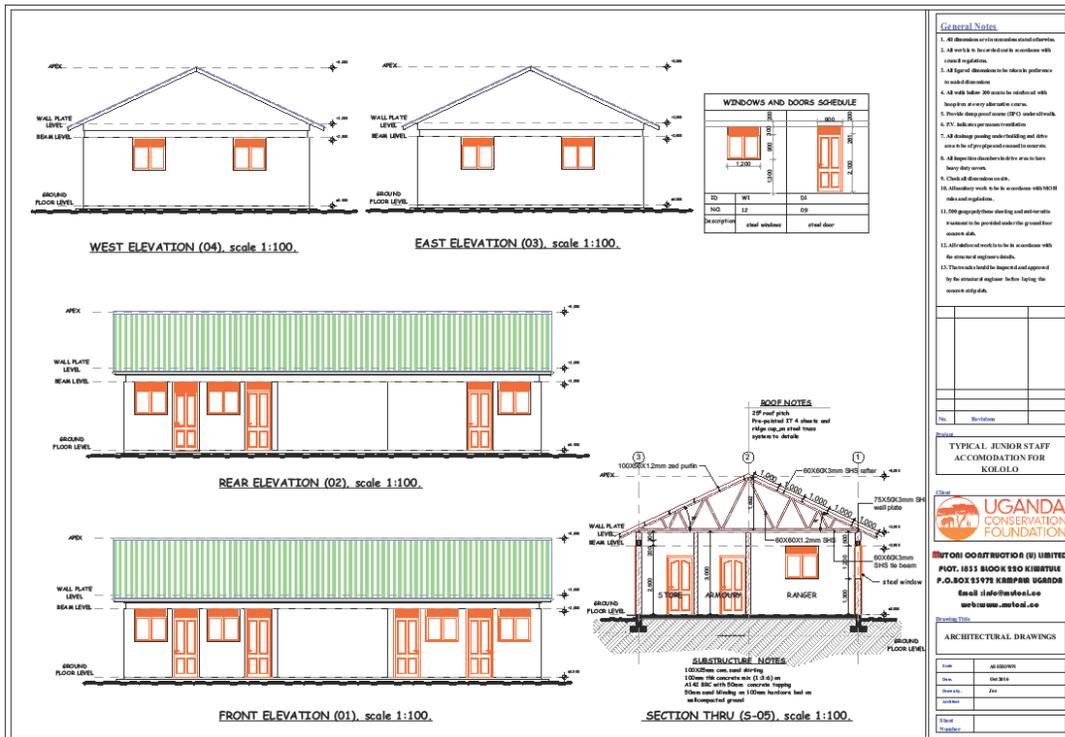


Fig 2: Proposed building plan

## Project Steps & Timeline

The following steps are approximate and we will look to the contractor to advise on anticipated timings in more detail.

- 3<sup>rd</sup> April – Site confirmed by UWA / UCF
- 1<sup>st</sup> May – Site visit by UWA, UCF with contractor, contract signed, first payment made
- 7<sup>th</sup> May – access track completed by UWA with UCF support
- KPI – Foundations & Wall Plate completed
- 31<sup>st</sup> July: Final Inspection: Including: Roofing, Water tanks & Ablution / Shower Inspection
- TBC: Handover of Infrastructure to UCF / UWA: Commissioning

## **Description of work**

### Building:

- One 8-bedroom main accommodation building plastered internally and externally, and finished in Plascon palette of "UWA green"
- One separate ablution block comprising two toilets (of long drop construction) and two shower rooms
- Both of simple, durable bricks and mortar construction as per previous UCF/UWA projects (see photos in appendix).
- Include a surrounding 'lip' of concrete surrounding buildings at ground level to prevent soil erosion.

### Plumbing & Electric:

- Water catchment to be included on the main accommodation building, with guttering, pipes and 1 x 10,000l water tank
- Foundation slab needed to host water tank
- LED lighting is to be used in each room, supported by a solar charging unit with sockets – to be supplied by UCF but fitted by the contractor

### Roofing:

- Mabati Sheets are preferred for roofing providing an overhang on each side of 1200mm to create a covered veranda.
- Ceiling required, of concrete construction.
- Guttering required (see Plumbing section)

### Fittings:

- All doors and windows to be durable steel casement construction

## **Important:**

### UWA will:

- Identify the final site for the ranger post and construct a rudimentary track to reach the site.
- Provide armed rangers for security and protection on site

### UCF will:

- Provide tents for work staff.
- Employ local labour to help cut a track and remove tree stumps
- Contribute to fuel for the grader to support the creation of the track
- Provide the branding and signage, as well as the solar charging/LED units for lighting/power.
- Facilitate a 50% discount off Plascon Paints.



## Budget

<b>RABONGO RANGER POST (8 MAN): CONSTRUCTION BUDGET</b>					
<b>PROJECT CODE</b>	Recovery of Murchison Falls				
<b>PROJECT LEAD</b>	Mike Keigwin				
<b>UCF RESPONSIBLE</b>	Patrick Agaba				
<b>Project</b>	Rabongo Hills - Sengege				
<b>START DATE</b>	1st May, 2018				
<b>COMPLETION DATE</b>	31st July, 2018				
Item description	Unit type	No. units	Unit cost	Subtotal	Notes
WildAid	Donation	1		0	
				0	
<b>Project Services</b>					
Project Personnel: MK	Day	8	130	1,040	Planning, agreement on site, oversight of project, commissioning
Project Personnel: MR	Day	6	130	780	Tendering, Coordination Oversight & Compliance
Project Personnel: PA	Day	22	100	2,200	Project Management & Monitoring
Project Personnel: SK	Day	10	100	1,000	Baseline surveys (large mammal) with Richard Ssemanda
Project Personnel: MS	Day	5	100	500	4 days financial management
Tent Hire	Day	270	20	5,400	3 @20pd. 75 days for construction, 5 for baseline surveys
Vehicle Hire	Day	24	100	2,400	Select site, site visit with contractor & UWA, M&E, Handover, Baseline survey
<b>TOTAL PS</b>				<b>13,320</b>	
<b>Office Costs</b>					
Airtime- Mobiles	Airtime	30	5	150	1 x 10,000 card per trip
Internet Data- USB dongles	GB	30	5	150	1GB per trip at 35,000 UGX/ GB
<b>TOTAL OFFICE</b>				<b>300</b>	
<b>Travel &amp; Subsistence</b>					
Accommodation	Night	51	35	1,785	Calculated as 35x night
Food & drink	Meal	51	25	1,275	Calculated as x3 meals per day x1 day
Food & drink	Box	40	1	40	Calculated as 1 box water/ day x4 days x5 trips
				<b>3,100</b>	
<b>Vehicles</b>					
Fuel- UAQ 189L	Tank (75l)	208	5	1,040	Five trips, 220 litres / trip at 3450 UGX per ltr.
<b>TOTAL VEHICLES</b>				<b>1,040</b>	
<b>Building and construction costs</b>					
General Construction	8 man post	1	58000	58,000	Construction of new 8-man ranger post
Water systems and tanks	Unit	2	4000	8,000	10000 gallon water tank is \$1000, plus base, plus guttering & wall
Road clearance & construction	Job	1	5000	5,000	For clearance of Nanda Road
Other	Signage	1	500	500	Directional and building signage, T-shirts etc.
<b>TOTAL B&amp;C</b>				<b>71,500</b>	
<b>Misc Project Expenditure</b>					
Standard Daily Allowances	Day	120	5	600	Ranger accompaniment
Ranger Food / Patrols	Lumpsum	28	5	140	Support for field ops as needed, including Baseline surveys
<b>TOTAL MISC PROJECT EXPEND.</b>				<b>740</b>	
<b>GRAND TOTAL</b>				<b>90,000</b>	