

Recording of stone walling on the farm Zwartkoppies (Pretoria): mitigation of proposed Rand Water pipeline development.



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GENERAL

The site is located on the farm Zwartkoppies which used to belong to the former Pretoria Industrialist Sammy Marks who built his farmhouse in 1886 and who died on the farm in 1922. He created a vast farmstead, part of it defined by extensive stone walling, some neatly constructed with dressed stone and stonemasonry craftsmanship. Some of the stone walling was done with rough stacking without mortar and primitive coursework. This section of the wall forms part of the northern fence of Potts Cottage but it does not form part of the original farm steading of Potts cottage anymore. The little farmstead has been fenced in with palisades and the stone wall seems to extend into the veld, crossing through the servitude of Rand Water Board where the new pipeline is proposed to cut through the remains of this old stone wall.



Figure 1. Recorded section of stone wall - view from southeast to the northwest (Photograph: M. Naude 2013)





Figure 2. Section of the recorded wall - view from northwest to southeast (photograph: M. Naude 2013)



METHODOLOGY



The area and section of the stone walling impacted on by the proposed development was identified and a 20m section was demarcated with steel pegs and connected with string. The demarcated area was subdivided into four 4m X 4m blocks in order to make measuring and recording easier. The blocks were numbered (Zwartkoppies Water) ZW 1, ZW 2, ZW 3, ZW 4.



Photographs were taken of each block and a short description accompanied the photographs. A scale drawing (1:20cm) was done in order to record the remains of the stone walling on plan. A site recording in relation to the existing rand water beacons and markers was done to orientate the location of the recorded wall section.

DESCRIPTION OF SITES

Site name	Site description	Site photographs
<p>Site ZW 1</p>	<p>The feature forms part of the remains of an old stone wall which has been vandalized and stripped of most of its original stone to be used elsewhere. No coursework is visible and the wall consists of random stacking without mortar.</p> <p>A narrow foot path has been created through this section of the wall and large stones have been removed to make passing through the barrier easier.</p> <p>[Scale bar – 300mm] [red line – indicates magnetic north to the right]</p> 	 <p>Figure 3. Northern elevation of the remains of stone wall feature with footpath cutting through the wall on the right (Photograph: M. Naude 2013)</p>

Site name	Site description	Site photographs
Site ZW 2	<p>The feature forms part of the remains of an old stone wall which has been vandalized and stripped of most of its original stone to be used elsewhere. No coursework is visible and the wall consists of random stacking without mortar.</p> <p>[Scale bar – 300mm] [red line – indicates magnetic north to the right]</p> 	 <p>Figure 4. Northern elevation of the remains of stone wall without course work (Photograph: M. Naude 2013)</p>

Site name	Site description	Site photographs
Site ZW 3	<p>The feature forms part of the remains of an old stone wall which has been vandalized and stripped of most of its original stone to be used elsewhere. No coursework is visible and the wall consists of random stacking without mortar. Large stone in front has been placed in such a way that it defines the side and width of the wall and could be used as base for second layering.</p> <p>[Scale bar – 300mm] [red line – indicates magnetic north to the right]</p> 	 <p>Figure 5. Northern elevation of the remains of stone wall without coursework (M. Naude 2013)</p>

Site name	Site description	Site photographs
Site ZW 4	<p>The feature forms part of the remains of an old stone wall which has been vandalized and stripped of most of its original stone to be used elsewhere. Some coursework is visible where the largest stones have been placed on top of each other defining a second row in the coursework. Otherwise the wall consists of random stacking without mortar similar to the other sections that were recorded.</p> <p>[Scale bar – 300mm] [red line – indicates magnetic north to the right]</p> 	 <p>Figure 6. Northern elevation of the remains of stone wall with an indication of primitive coursework where the largest stones are stacked on top of each other (Photograph: M. Naude 2013)</p>

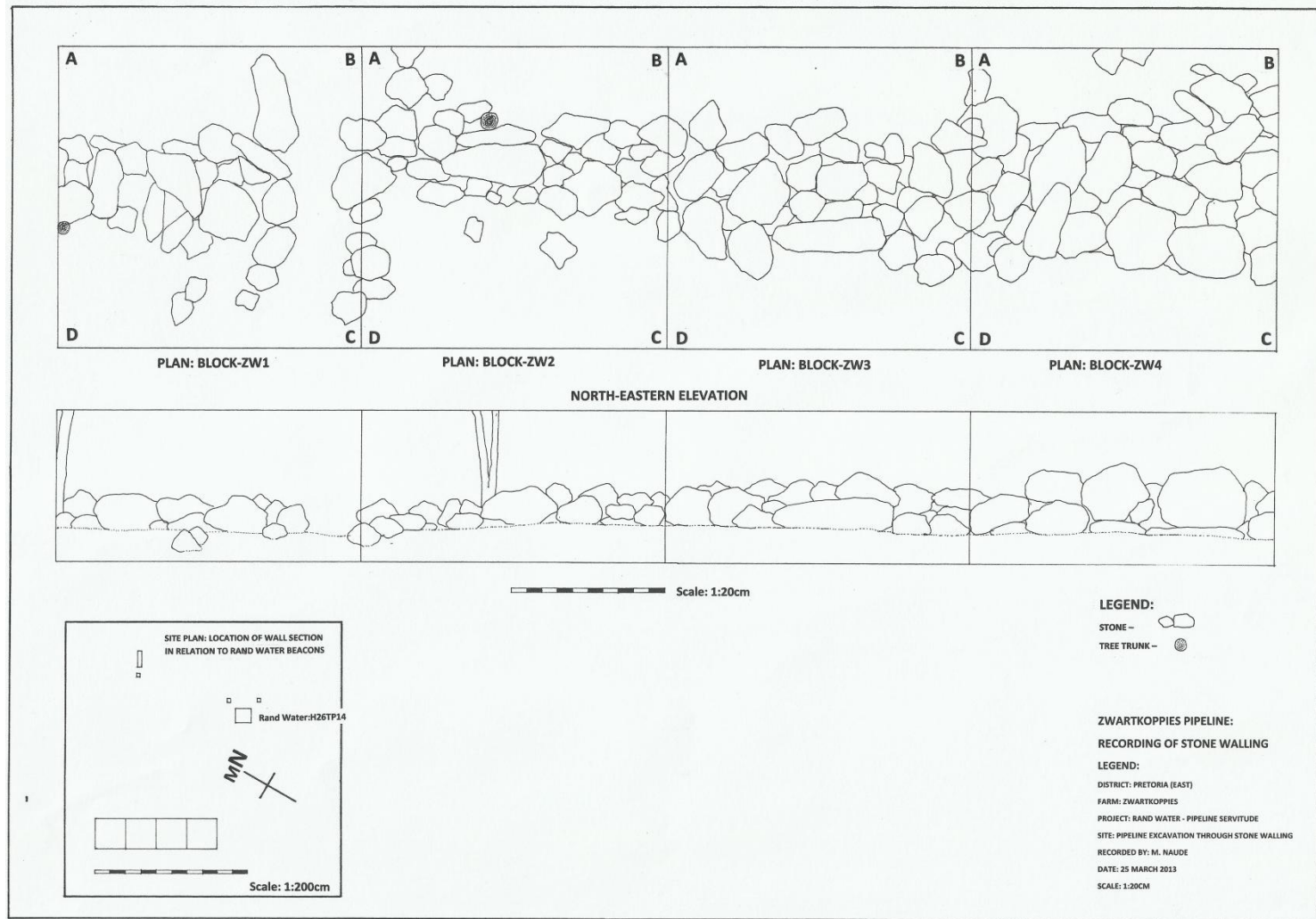


Figure 7. Plan and elevation of a section of the remains of a stone wall to be impacted on by the proposed new pipeline installation on the farm Zwartkoppies (Drawing: M. Naude 2013)





