

Statement to Accompany HWC NID

Proposed Upgrade of the Laingsburg Water Supply Pipeline, Laingsburg, Western Cape Province

prepared for

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prepared by



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1. Introduction

The proposed activity involves the construction/installation of a water pipeline between the existing Town Reservoir and the existing Goldnerville Reservoir in Laingsburg, Western Cape Province (See Figures 1 & 2). The proposed activity is described in more detail in the accompanying HWC NID form. Construction and installation activities will involve vegetation clearing and earthmoving activities.

The proposed activity triggers the National Heritage Resources Act S38(1)(a) (Act 25 of 1999). This Statement and accompanying NID serve to inform HWC of the proposed activity and to make recommendations regarding heritage resources that may or may not be affected by the proposed activity. The author was appointed by the Laingsburg Municipality – via Ms Monique Croome (see details on title page) - to conduct a site visit of the affected area, to complete relevant sections of the NID and to produce this Statement for submission to HWC.

This document and submission includes information obtained from Khula Environmental Consultants and further details and specifications may be obtained from Ms Croome (see contact information on title page).

2. Study Area

The affected area is along an existing municipal servitude starting at the Town Reservoir to the NW of Laingsburg and ending immediately east of the railway line running through Laingsburg (Figures 1, 2 & 3). Coordinate data for points along the proposed pipeline route are available from the author or Ms Croome. Details of the study area and nature of the proposed activity are given in the accompanying NID and Plates 1 and 2 show examples of the affected environment (also see Figure 3).

The study area was accessed by vehicle and the survey was conducted on foot.

3. Site Inspection and Results

During the site inspection, survey tracks were fixed with a hand held Garmin Camo GPS to record the search area (Figure 3). Photo localities were also fixed by GPS (Figure 3 and Plates 1 and 2). Directions of views are indicated with bearing names on the photos. Numbers on photographs are matched with numbers in Figure 3 to determine their locations. Digital audio notes and a high quality, comprehensive digital photographic record were also made (full data set available from author on request).

The affected area was inspected on 17 April 2012 with a focus on the impact of the proposed activity on archaeological and heritage related resources. Because the proposed activity will only affect sediments and because it is sub-surface, the only heritage resources that may be negatively impacted relate to palaeontology and archaeology. The entire length of the study area is already disturbed by a combination of water and sewer pipelines that are already in place in this municipal servitude (Plates 1 & 2).

No material remains of historic or prehistoric origin were observed and no significant historic structures were identified. Although shale deposits are common in the study area, the proposed activity is located in a previously disturbed strip of land and therefore, a

Palaeontological Impact Assessment is not necessary. Proposed excavations will not penetrate deeper than the depths of the existing pipelines.

4. Recommendation

Based on the nature of the proposed activity and results from the site inspection, it is recommended that no further heritage related studies are required.

Figures and Plates (on following pages)

File names and captions for figures and plates used in this report

Figure 1 – Laingsburg Water Supply Pipeline.jpeg

Figure 1. General location of affected area relative to Laingsburg, Western Province. Map courtesy of the Chief Directorate Surveys and Mapping.

Figure 2 – Laingsburg Water Supply Pipeline.jpeg

Figure 2. Enlarged area indicated in Figure 1 showing development layout plan (red highlight by author), turbine localities and access roads. Courtesy of Khula Environmental Consultants.

Figure 3 – Laingsburg Water Supply Pipeline.jpeg

Figure 3. Enlarged area as indicated in Figure 1 showing proposed pipeline alignment (red line), survey tracks (green lines) and photo localities (red markers). See Plates 1 and 2.

Plate 1 – Laingsburg Water Supply Pipeline.jpeg

Plate 1. Examples of the affected environment along the proposed alignment for the Laingsburg Water Supply Pipeline. See Figure 3 for the location of photos and direction of views are given as bearing names (e.g. W=west, N=north, etc.). 2) looking toward railway bridge, 3) channel of Swart River, 4) where pipeline crosses the N1, 5) channel of Swart River, 6) channel of Swart River and 7) along eastern bank of Buffelsrivier adjacent to golf course.

Plate 2 – Laingsburg Water Supply Pipeline.jpeg

Plate 2. Examples of the affected environment along the proposed alignment for the Laingsburg Water Supply Pipeline. See Figure 3 for the location of photos and direction of views are given as bearing names (e.g. W=west, N=north, etc.). 8) crossing the golf course and Buffelsrivier, 9) existing manhole for pipeline running across the Buffelsrivier, 10) existing pipeline and disturbance, 11) looking toward existing Town Reservoir with existing pipeline and disturbance on right in photo, 13) from Town Reservoir toward Laingsburg with approximate Goldnerville Reservoir locality circled in red and 14) existing disturbance and pipeline.

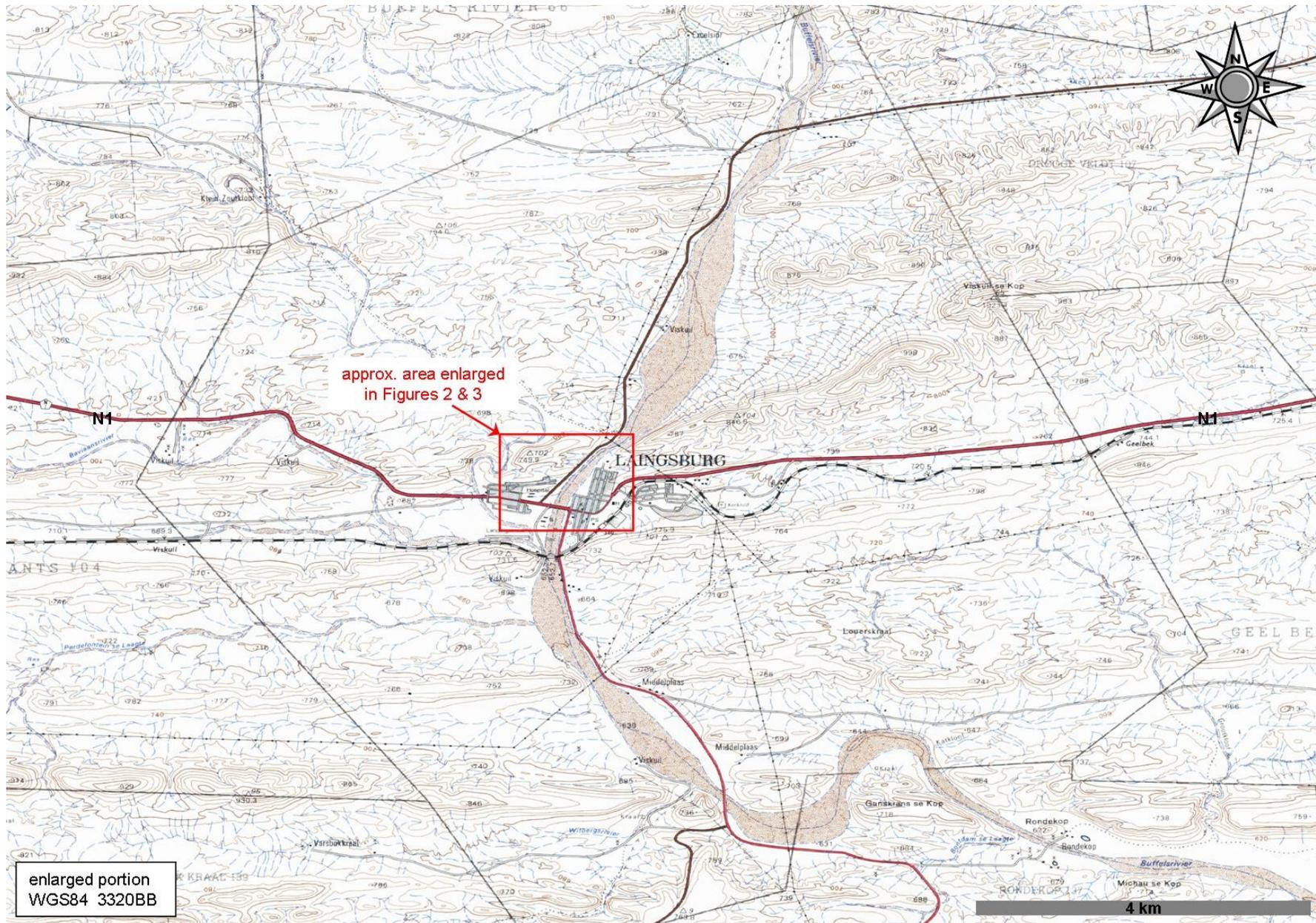


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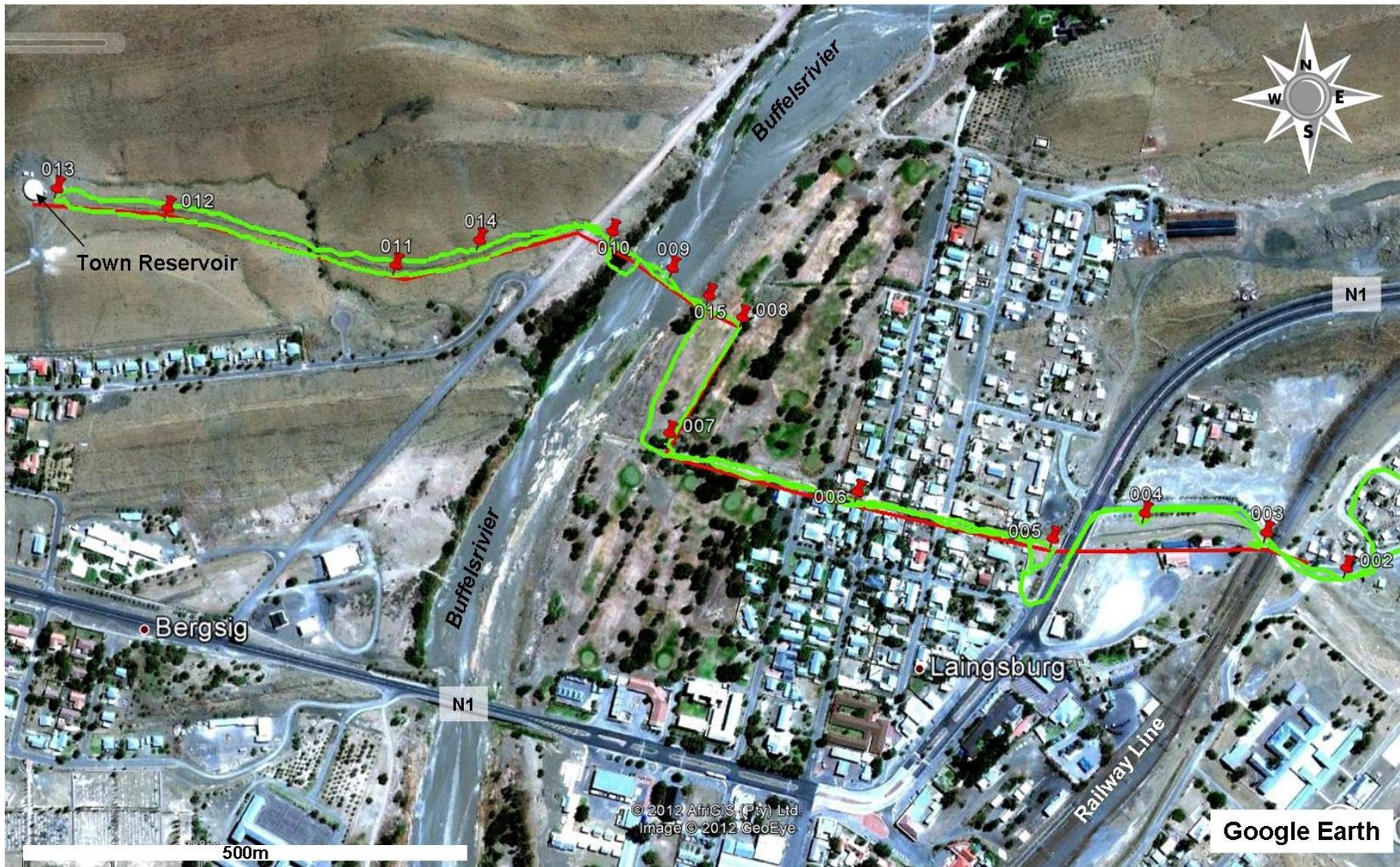


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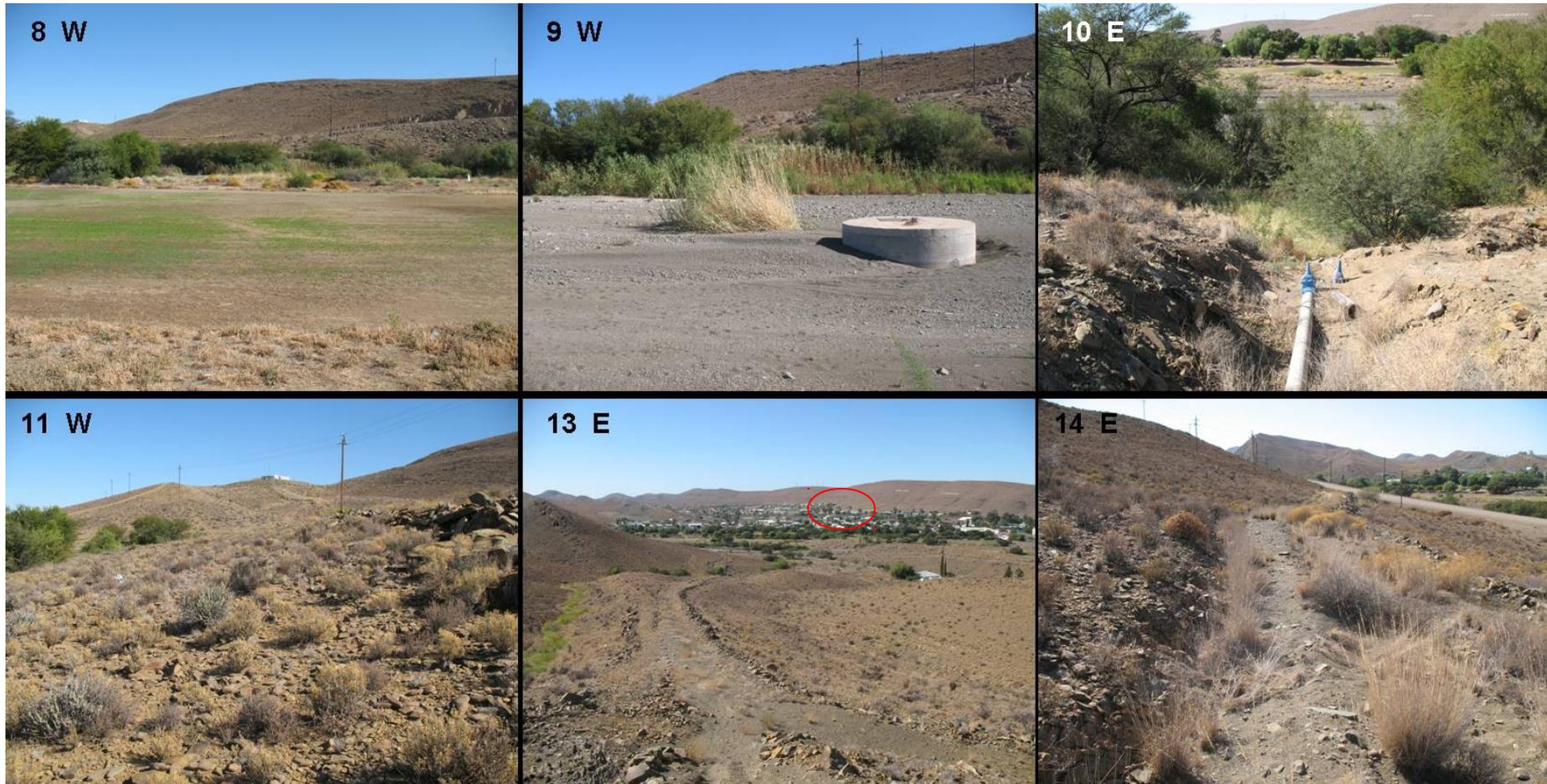


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