



**Royal
HaskoningDHV**
Enhancing Society Together

**THE REHABILITATION OF A
CULVERT ALONG THE
EXISTING P230 FROM KM 37,0
TO KM 47,0, EMPANGENU,
KWAZULU-NATAL**

Pre-application Meeting

BA Process

Agenda

1. Background & Purpose of the Meeting
2. Project Scope
3. Alternatives Considered
4. Activities Triggered
5. Environmental Regulatory Process Proposed
6. Specialist Studies
7. Clarification and Confirmation

Background & Purpose of the Meeting

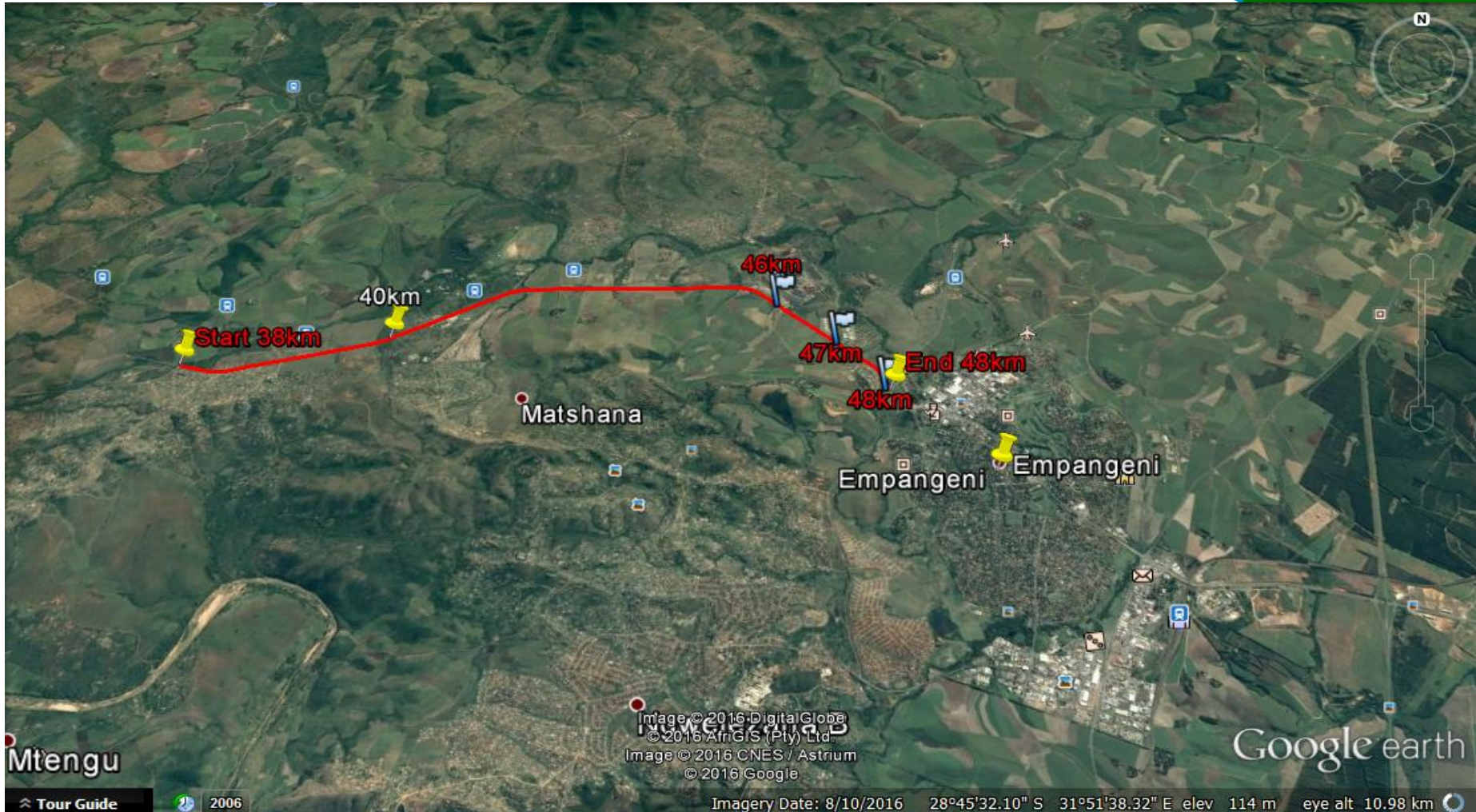
■ *Background*

- A site visit was conducted with the KZN EDTEA on 23 January 2017
- An IQ was submitted to the KZN EDTEA and the outcomes were:
 - The road rehabilitation can proceed without an EA
 - The culvert replacement proposed would be subject to a BA process

■ *Purpose*

- Refresh the KZN EDTEA on the proposed project
- Seek guidance on the environmental assessment (BA) process intended by the Environmental Assessment Practitioner (EAP – Royal HaskoningDHV)
- Seek clarity on aspects of uncertainty

Project Scope



ENVIRONMENTAL SCREENING ASSESSMENT

Environmental Sensitivity Map



Legend

- P230
- Roads
- Rivers
- Drainage Lines / Watercourses
- River FEPAs
- Wetlands
- Consevancies

KZNSCP (CBA's)

Designation

- CBA Area 1 - Mandatory
- CBA Area 2 - Mandatory
- CBA Area 3 - Optimal

Scale 1:50 000

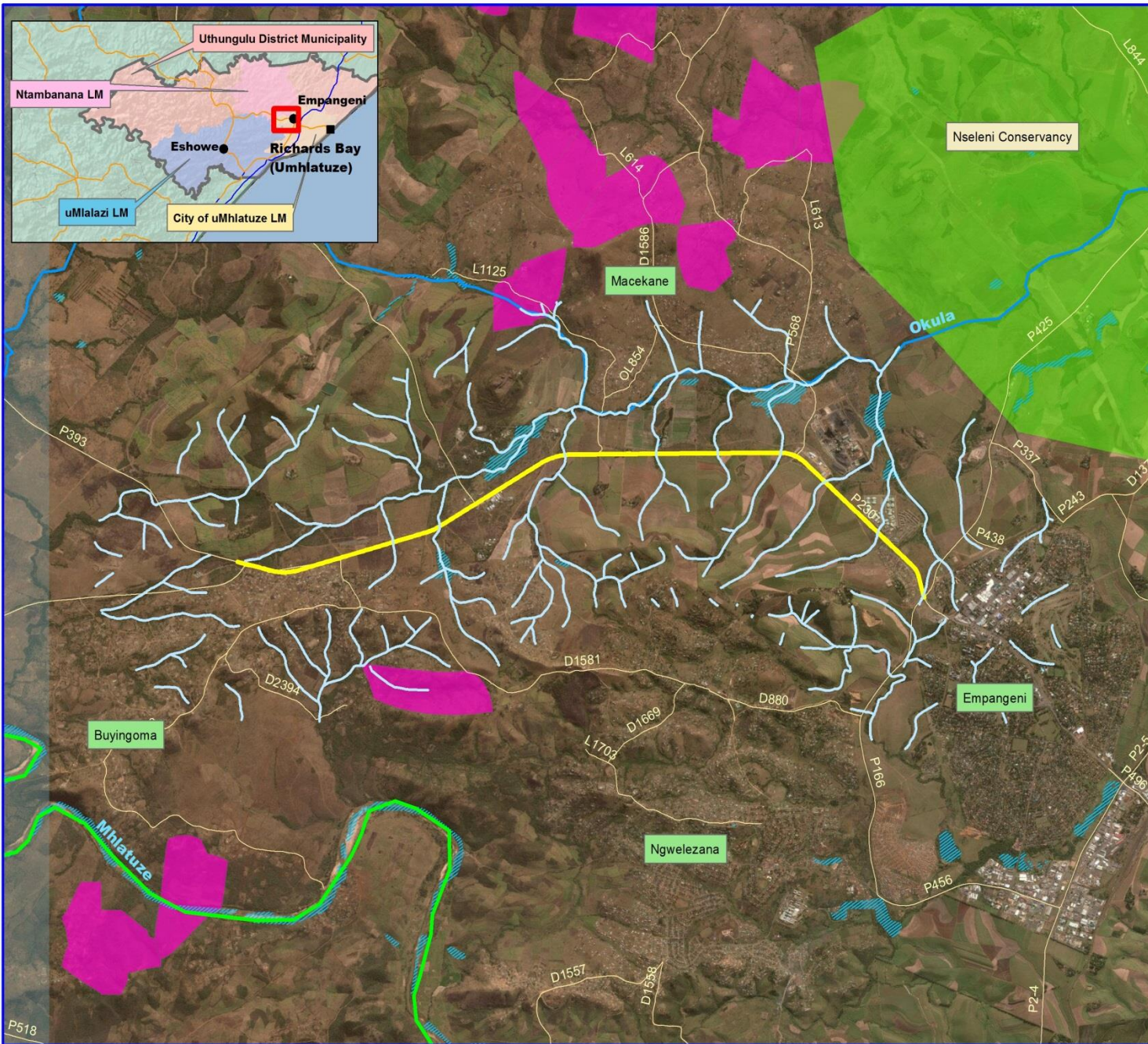


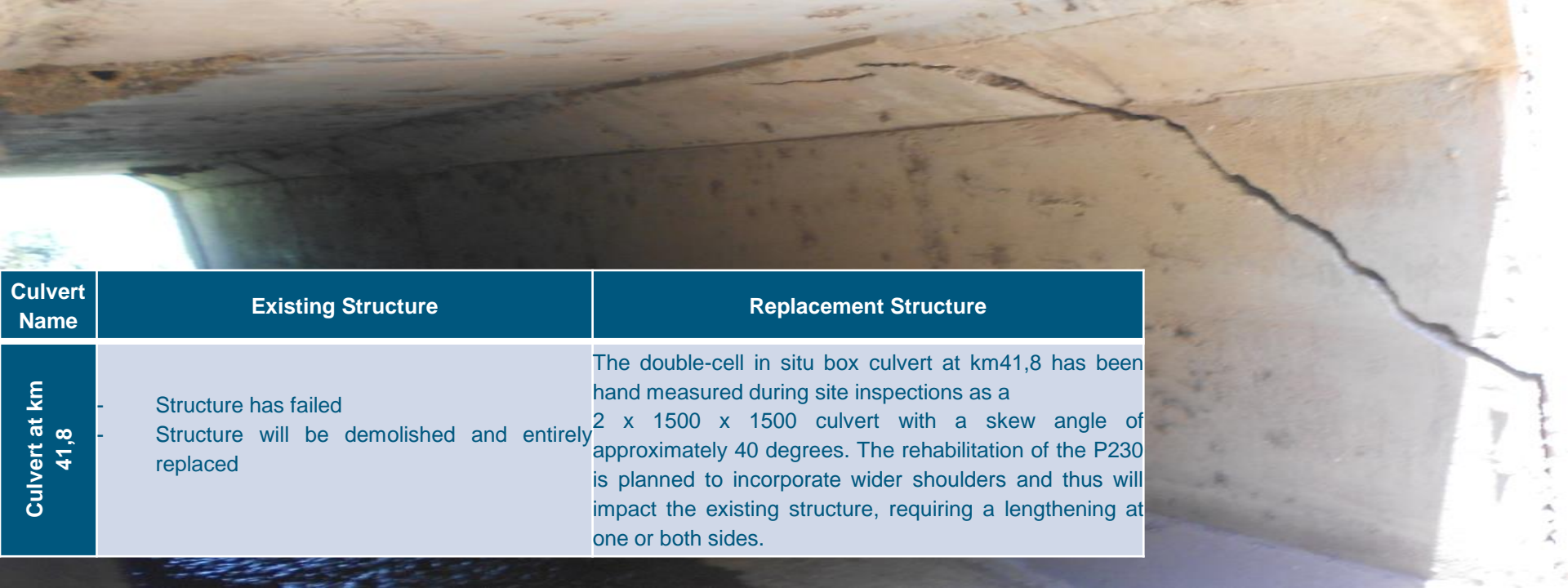
Date: 01 August 2016
Created by: Paul da Cruz
RHDHV Ref: MD1950

Data Sources:
ESRI
DWS
Ezemvelo KZN Wildlife
KZN DoT
National Geo-spatial
Information



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Culvert Name	Existing Structure	Replacement Structure
Culvert at km 41,8	<p>Structure has failed</p> <p>Structure will be demolished and entirely replaced</p>	<p>The double-cell in situ box culvert at km41,8 has been hand measured during site inspections as a 2 x 1500 x 1500 culvert with a skew angle of approximately 40 degrees. The rehabilitation of the P230 is planned to incorporate wider shoulders and thus will impact the existing structure, requiring a lengthening at one or both sides.</p>

Alternatives Considered

- Restricted and limited due to:
 - Rehabilitation of existing culverts
 - Location is fixed

Activities Triggered

- ***Listing Notice 1***

- Activity 12

- Not applicable as specifically excluded for being within an existing road / road reserve

- Activity 19 A

- The infilling or depositing of any material of more than 10 m³ into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 m³ from a watercourse.

- ***Listing Notice 3***

- None identified

Environmental Regulatory Process

Basic Assessment Study in terms of EIA Regulations (2014 as amended) promulgated under the National Environmental Management Act (No. 107 of 1998)

CA: EDTEA, KING CETCHWAYO DISTRICT

Water Use Licence Application in terms of National Water Act (No. 36 of 1998)

CA: DWS KZN REGION

Other permits and/or licences (e.g. DAFF and EKZNW)

Environmental Authorisation

Receipt of permits and/or licences

Basic Assessment Process and Timeframes



2016 - 2017



Public Participation Process



■ OBJECTIVES

- Encourage the raising of issues and/or concerns as well as provision of input on the proposed project
- Ensure a transparent and inclusive PPP
- Provide ample opportunity and channels for participation in the said project
- No Public Meeting Planned – meeting with Traditional Authority

Specialist Studies

- Freshwater Habitat Assessment – EcoPulse Consulting (includes vegetation)
- Heritage Assessment – not planned as located within road reserve and replacement of existing culvert
- As EAP is from the same organisation as the Engineering team, a Peer-review will be done (Dr Richard Kinvig)

Clarification and Confirmation

- Confirmation of approach presented
- Confirmation of specialist studies and no Heritage Assessment as proposed
- Confirmation of PPP as presented
 - Site Notices and BIDs can be circulated without EDTEA reference no.
- Landowner notification – is this considered a linear project and therefore exempt as per Regulation 39 (2)?



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