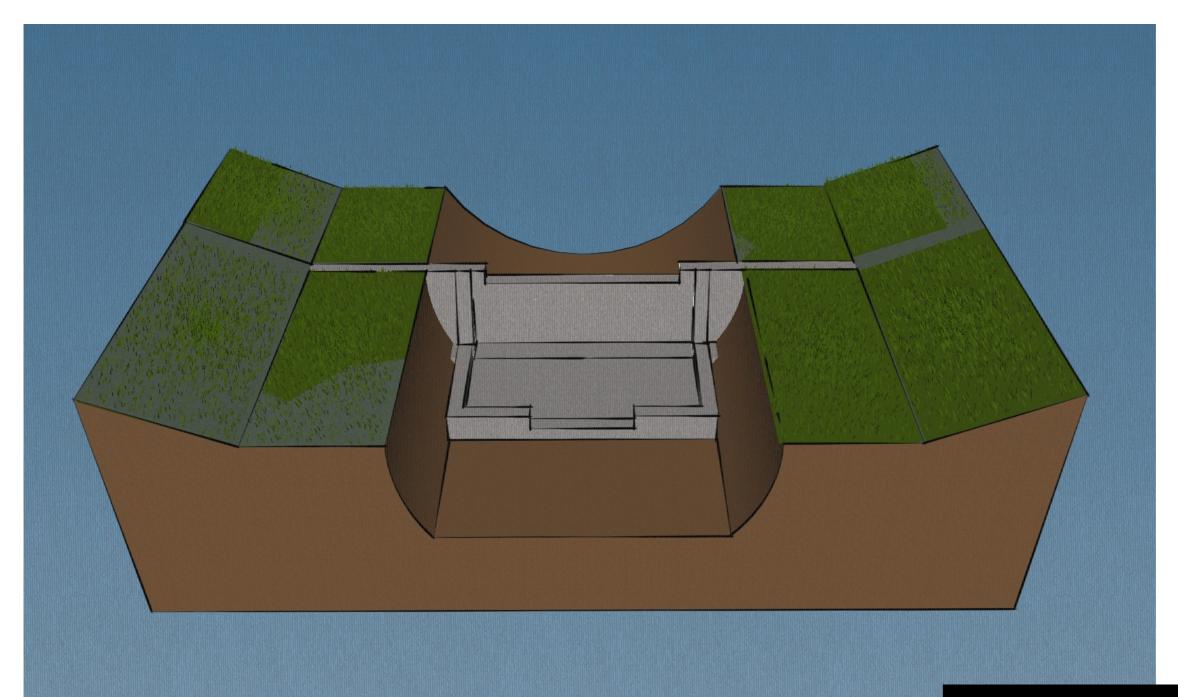
RIETVLEI CATCHMENT CONCEPTUAL ENGINEERING DRAWINGS CITY OF EKURHULENI



CONCEPTUAL DRAWING

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All content is subject to change



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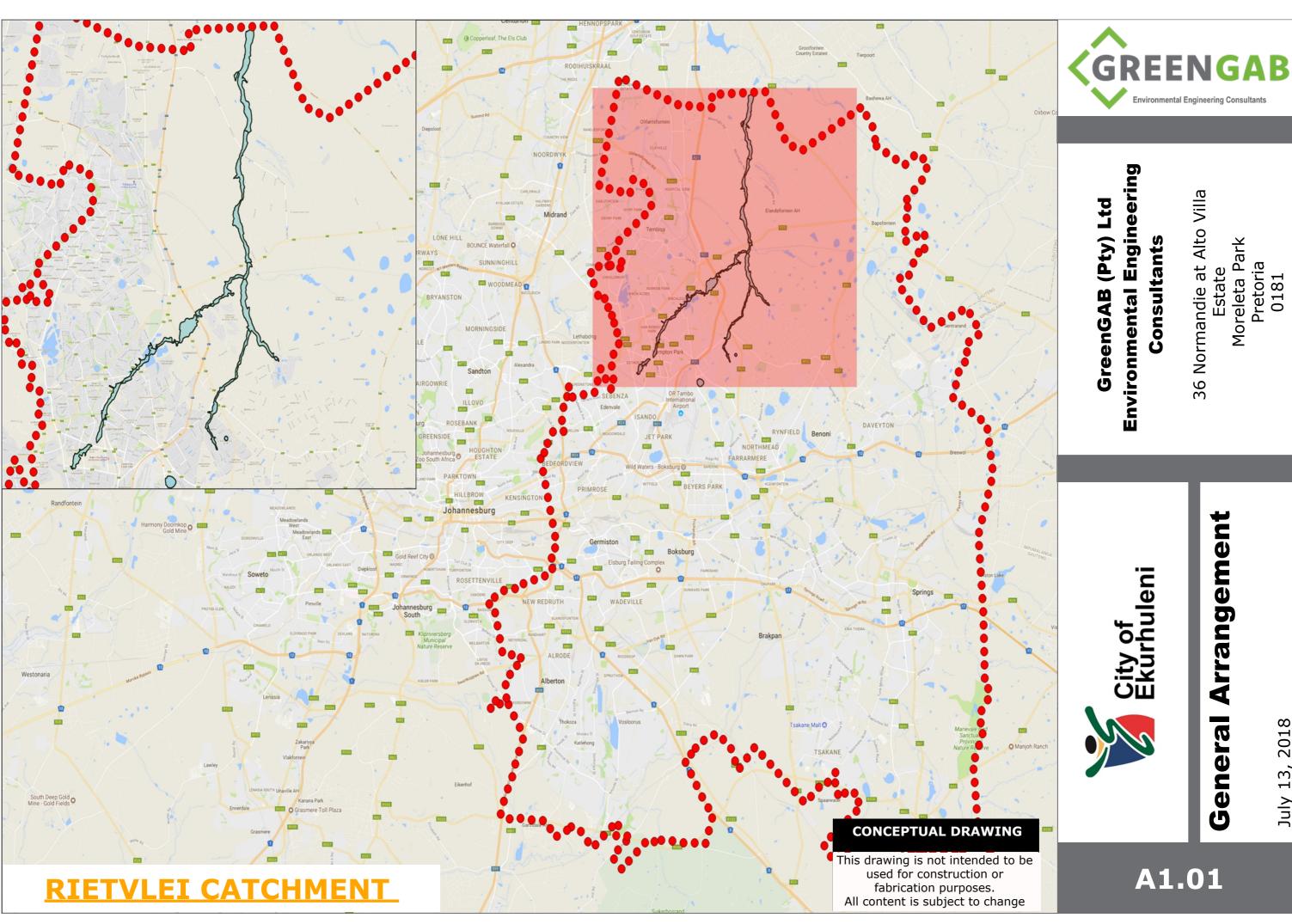
36 Normandie at Alto Villa
Estate
Moreleta Park
Pretoria
0181



Cover Page

July 13, 2018

A.01



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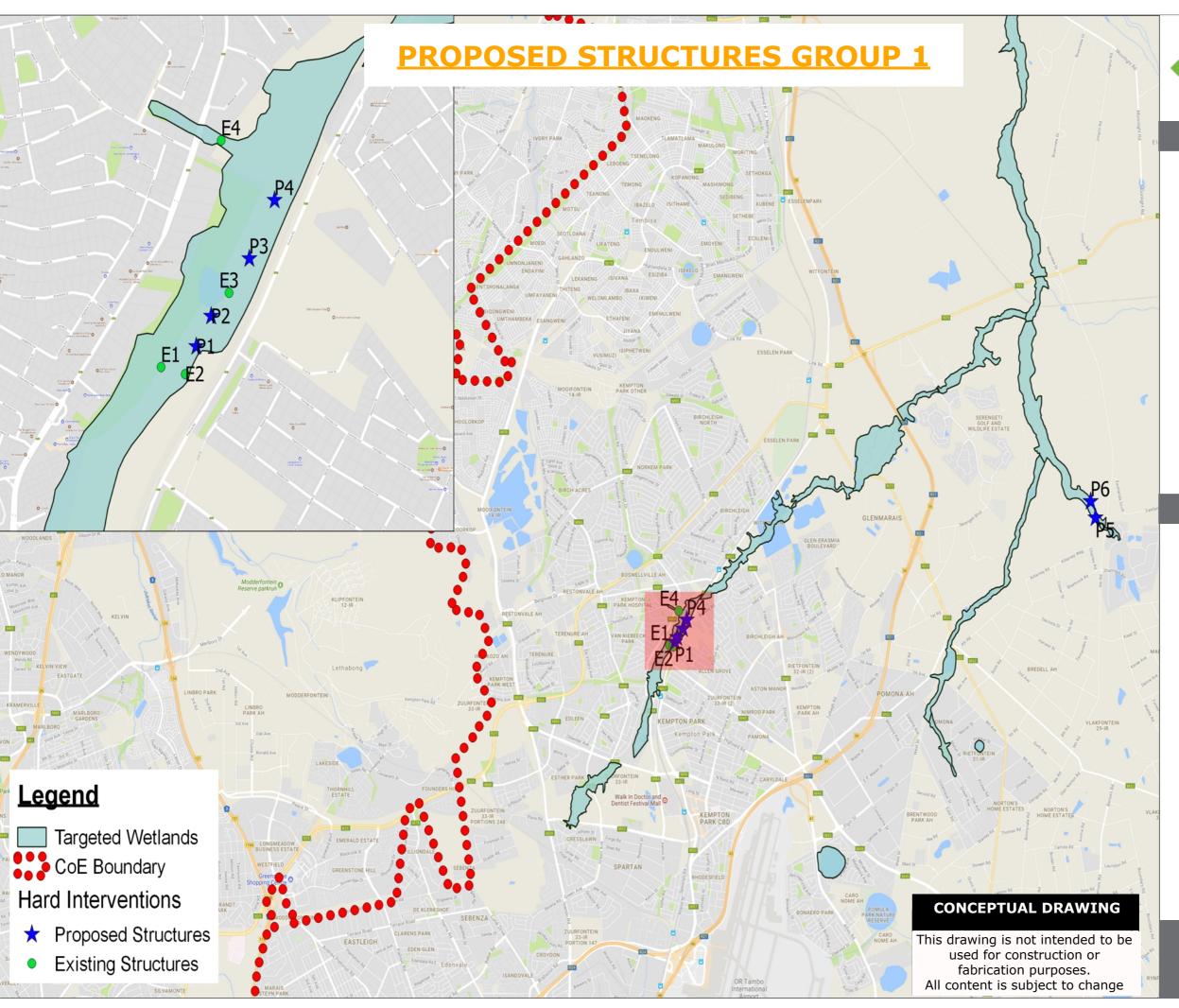
City of Ekurhuleni

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Arrangement General

July 13, 2018

A1.01





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City of Ekurhuleni

S6 Normandie at Alto Villa Estate Moreleta Park Pretoria 0181

Proposed and Existing Structures Group 1 July 13, 2018

A2.01

CONCRETE WEIR

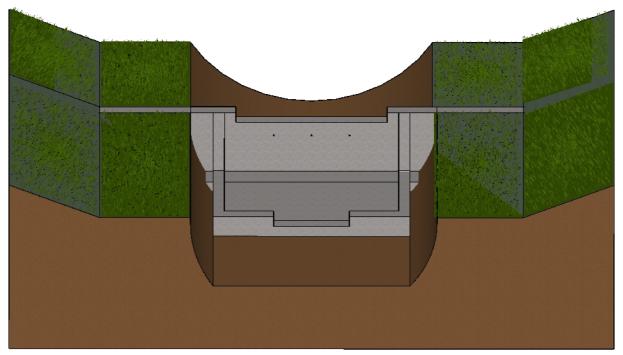
STRUCTURE	LATITUDE	LONGITUDE	LENGTH (m)
P1	-26.079198	28.224909	25
P2	-26.078436	28.225403	25
P3	-26.076990	28.226669	25
P4	-26.075524	28.227507	25

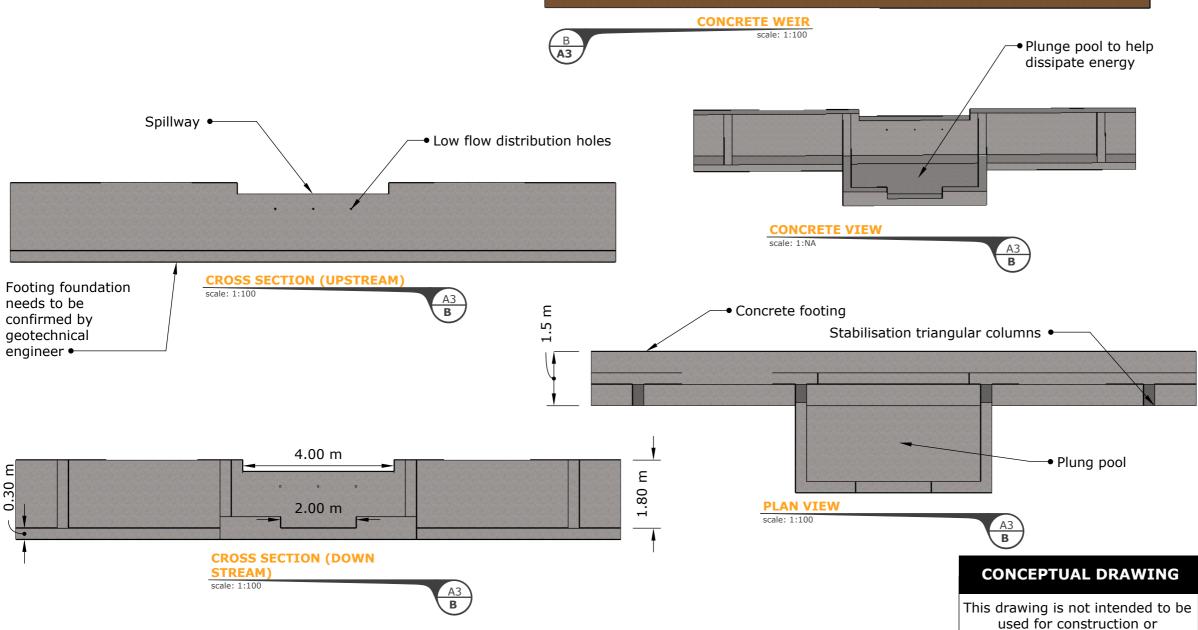
Notes:

Structure can be optimised during the detailed engineering design phase of the project.

Concrete weirs will need to be scaled for each individual point.

These sizes should be confirmed in the detailed design.







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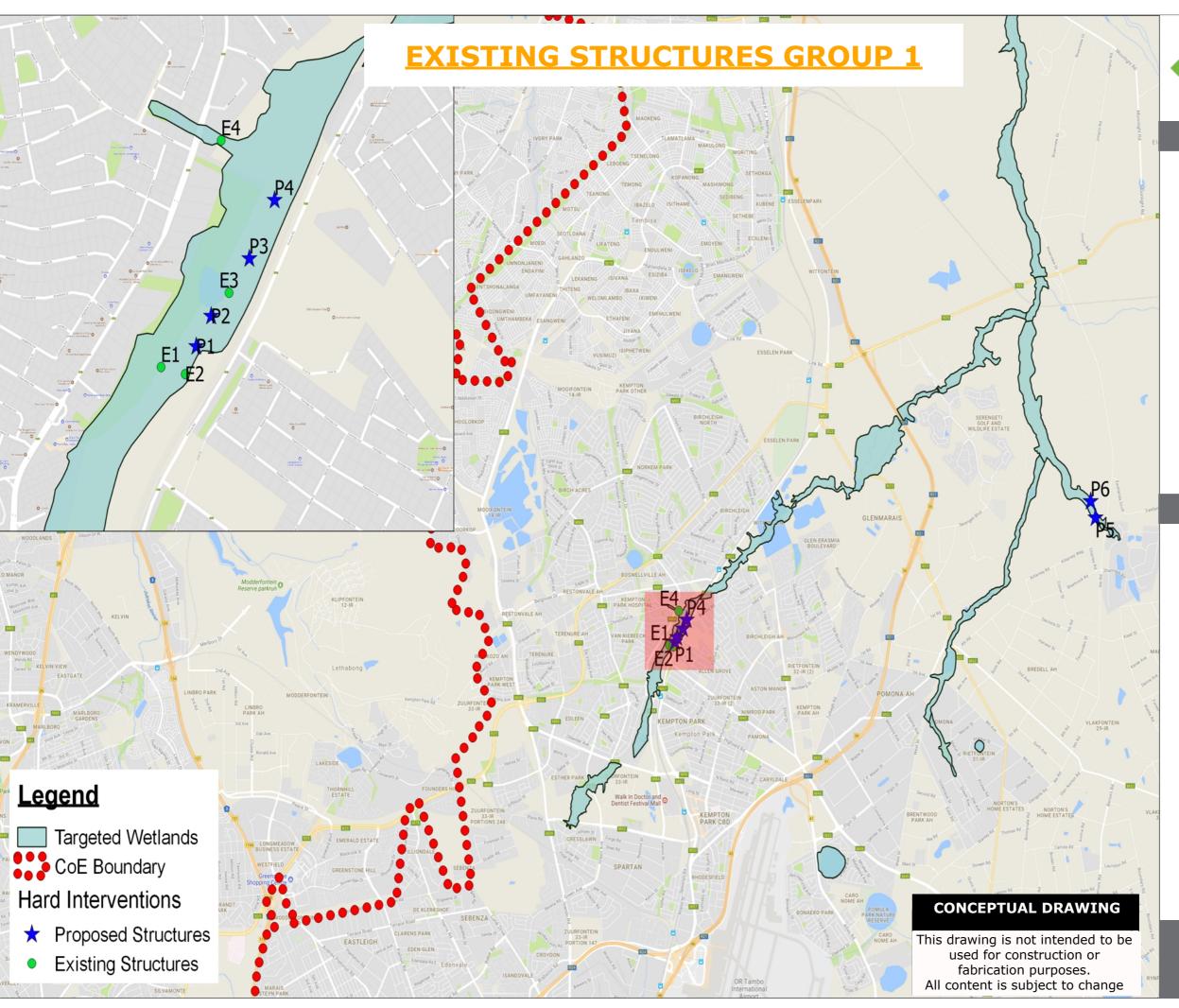
City of Ekurhuleni 36 Normandie at Alto Villa Estate Moreleta Park Pretoria 0181

Proposed Structure Group 1.1

July 13, 2018

A3.01

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Structures **Existing Group 1**July 13, 2018

A4.01

EXISTING STRUCTURES MAINTENANCE GROUP 1

STRUCTURE	LATITUDE	LONGITUDE	COMMENT	MAINTENANCE
E1	-26.079714	28.223742	Dam wall with gabion spillway, good condition	Concrete cap gabion, general shaping around dam wall
E2	-26.079892	28.224541	Large concrete weir, good condition	General concrete repairs and extend wingwalls a further 5m on both sides
E3	-26.077848	28.225996	Gabion weir, poor condition	Reconstruct weir with reinforced concrete
E4	-26.074020	28.225736	Gabion channel, fair condition	Replace gabions with Armorflex channel



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Existing Structures

Maintenance Group 1

July 13, 2018

Notes:

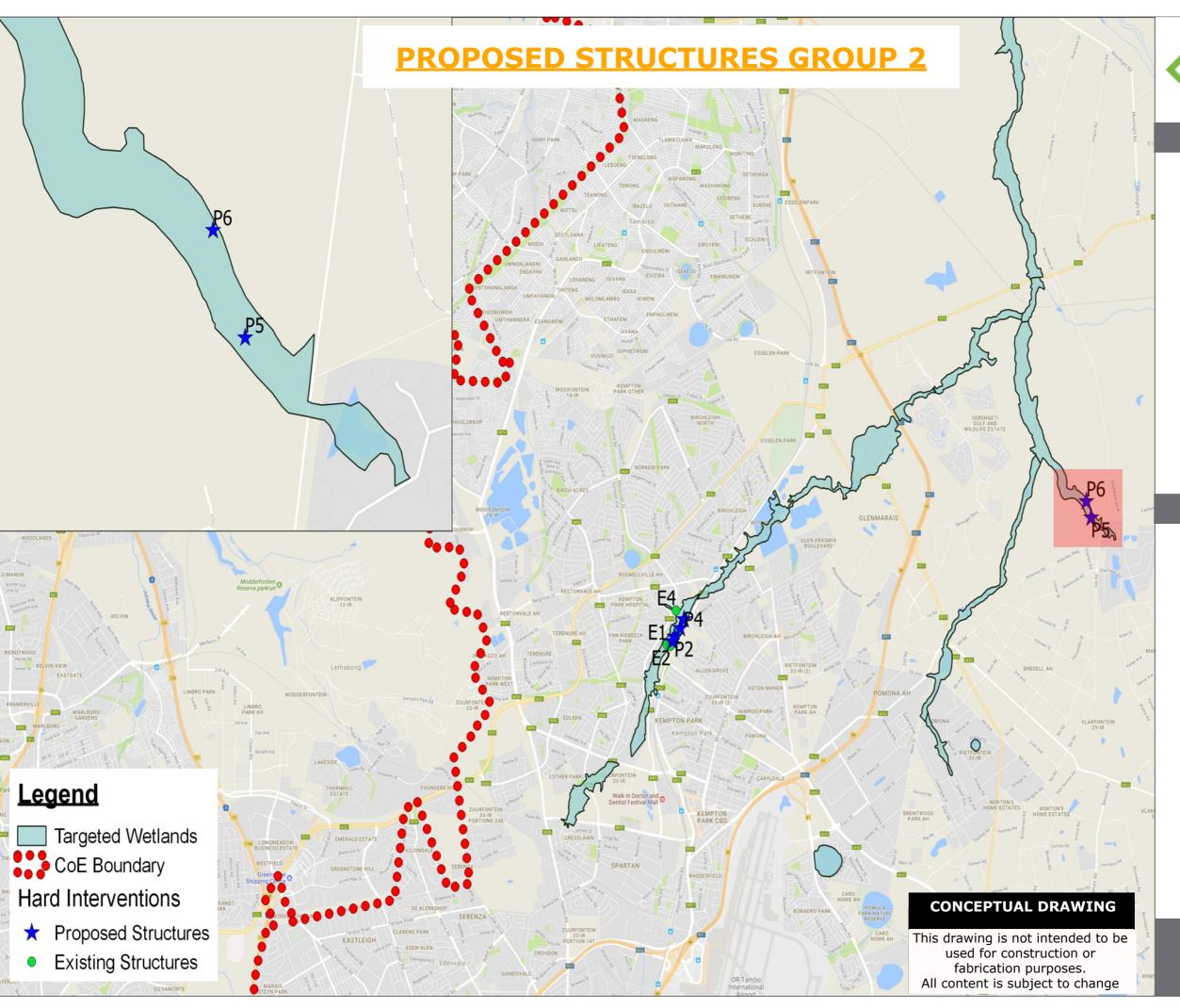
All existing structure where designed by other consultants. In the next phase of the project detailed designs of the existing stuctures with the maintenance measure should be undertaken to get exact construction volumes. Not all intervetion could be found. Some areas had access issues and arge portion of intervention where never constructed.

CONCEPTUAL DRAWING

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A5.01





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Proposed and Existing Structures Group 2 July 13, 2018

A6.01

CONCRETE WEIR

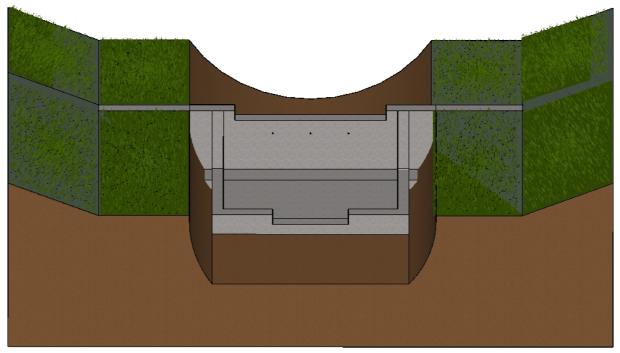
STRUCTURE	LATITUDE	LONGITUDE	LENGTH (m)
P5	-26.058601	28.316939	28
P6	-26.055891	28.315870	20

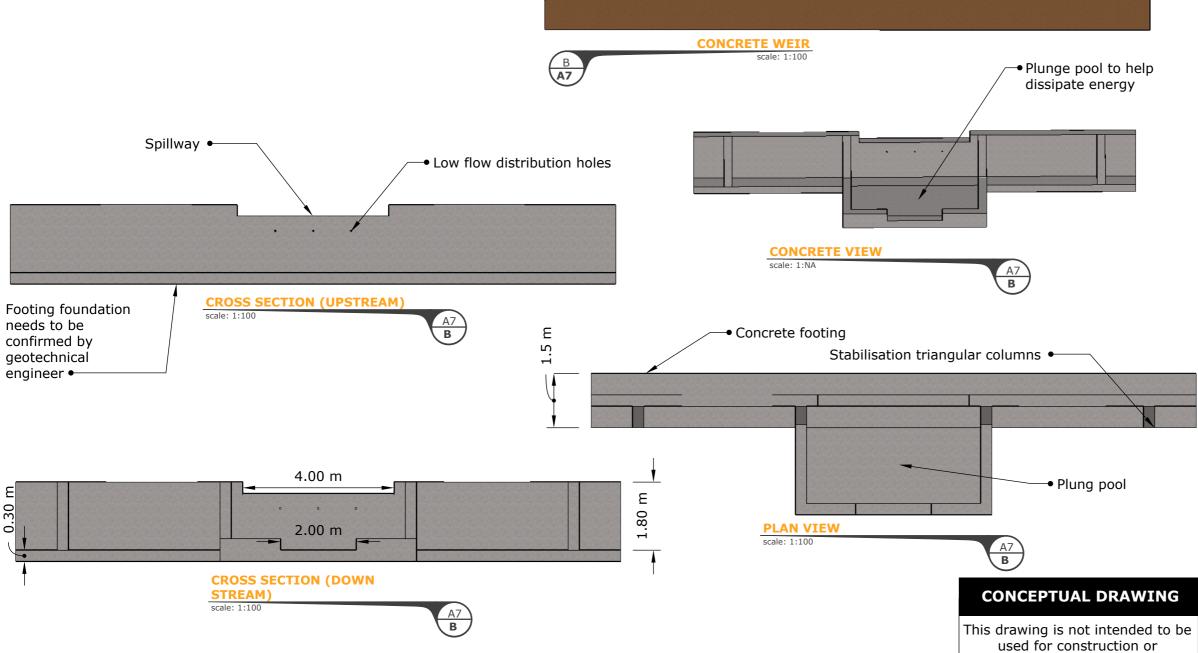
Notes:

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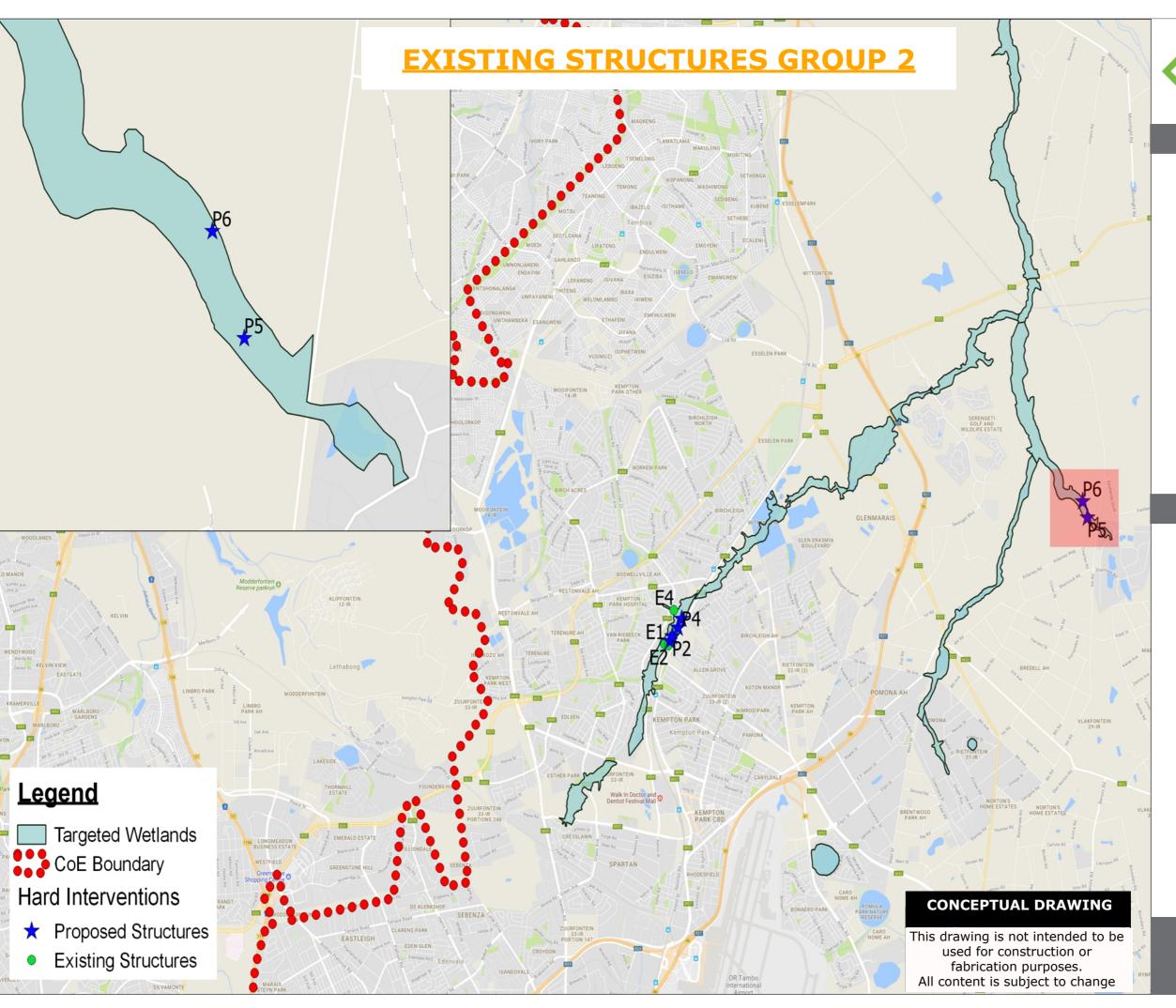
Structure

July 13, 2018



A7.01

fabrication purposes. All content is subject to change





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Existing Structures Group 2 July 13, 2018

A8.01

EXISTING STRUCTURES MAINTENANCE GROUP 2

STRUCTURE	LATITUDE	LONGITUDE	COMMENT	MAINTENANCE
E5	-25.968940	28.300997	River crossing, fair condition	Upgrade the river crossing



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Existing Structures
Maintenance Group 2
July 13, 2018



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A9.01