



LEGEND

	ORIGINAL FARM PORTION BOUNDARIES
	WATER PROCESS PIPEWORK - INLET, BYPASS, OVERFLOW
	PROPERTY BOUNDARY - CITY OF CAPE TOWN
	AQUATIC ECOSYSTEM - Rev 0
	AQUATIC ECOSYSTEM - Rev 1
	STORMWATER - AREAS IDENTIFIED FOR BMP'S
	STORMWATER - CONCRETE LAUNDER
	STORMWATER - TRAPEZOIDAL CHANNEL
	STORMWATER - PIPEWORK AND MANHOLES
	SEWER - PIPEWORK AND MANHOLES
	WATER - IRRIGATION, POTABLE WATER AND FIRE WATER

CITY OF CAPE TOWN
MUNICIPALITY

300ML MULDERSVLEI RESERVOIR

PROPOSED STORMWATER
PIPEWORK

PROPOSED ENERGY DISSIPATION
STRUCTURE FOR RESERVOIR
OVERFLOW AND STORMWATER OUTLET

PROPOSED WESTERN
POND WITH ENERGY
DISSIPATION STRUCTURES
ON THE INLET AND OUTLET

PROPOSED CONSERVANCY TANK WITH
SUCTION POINT (AREA ALLOCATED FOR
FUTURE PACKAGE PLANT)

PROPOSED OSEC
BUILDING, TEMPORARY
ADMIN FACILITY, OFFICES,
STORES AND ABLUTIONS

FUTURE MULDERSVLEI 500ML/day
WATER TREATMENT PLANT

PROPOSED EASTERN POND
WITH ENERGY DISSIPATION
STRUCTURES ON THE INLET
AND OUTLET

PROPOSED PIPE CULVERT
FOR BALANCING OF WATER
LEVELS BETWEEN THE EAST
AND WEST PONDS

PROPOSED PIPE CULVERT FOR
EASTERN POND OVERFLOW

NEW MAIN SITE ACCESS
ROAD TO MULDERSVLEI
RESERVOIR

PROPOSED PIPE CULVERT
AT LOW POINT

DRAKENSTEIN
MUNICIPALITY

RE-ALIGNED SITE ACCESS
ROAD TO ADJACENT FARM
RE/1370

NEW R304 INTERSECTION

PROPOSED PIPE CULVERT
AT INTERSECTION

PROPOSED ACCESS TO
ADJACENT FARM 3/719

LEGEND:

	NATURAL GROUND LEVEL (NGL)
	POND DESIGN LEVELS

WESTERN POND

EASTERN POND

EXISTING
POND

EXISTING
POND

PROPOSED
EXTENSION TO
EXISTING BOX
CULVERT (2100x1500)

PROPOSED PIPE CULVERT

SECTION A-A: POND SECTIONS
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

PROPOSED INTERCONNECTING
PIPEWORK FOR BALANCING OF PONDS

DISCLAIMER

IF CONSTRUCTION DRAWINGS ARE ISSUED UNSIGNED, THE MASTER
WITH THE ORIGINAL SIGNATURE OF APPROVAL WILL BE HELD AT THE
ZUTARI OFFICE OF THE APPROVER

NOTES

ZUTARI
IMPACT. ENGINEERED.

CLIENT



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

REV	DATE	REVISION DETAILS	APPROVED
A	25/10/22	FOR DISCUSSION PURPOSES ONLY	
B	02/11/22	PROPOSED POND AREAS AMENDED	

SCALE	SIZE	PRELIMINARY
1:2500	A1	NOT FOR CONSTRUCTION

DRAWN	DESIGNED	REVIEWED	PROJECT	TITLE
A. VD NEST	A. VD NEST	M. POTGIETER	MULDERSVLEI 300 ML RESERVOIR AND ASSOCIATED INFRASTRUCTURE	OVERALL STORMWATER SYSTEM

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MULDERSVLEI 300 ML RESERVOIR AND ASSOCIATED INFRASTRUCTURE	OVERALL STORMWATER SYSTEM

DRAWING NUMBER	PROJECT No.	WBS	TYPE	DISC	NUMBER	REV
1001757 - 0000 - DRG - CC - 9023 - B	1001757	0000	DRG	CC	9023	B