BENCHMARKS
Lo 27 WGS 84

POINT #	DESC.	Y-COORD. (m)	X-COORD. (m)	LVL. (m)
1	BM2	29967.833	2970539.693	1319.781
2	BM3	30095.057	2970510.847	1320.826
3	BM4	32698.200	2972419.828	1305.353
4	BM5	32201.467	2972476.613	1309.460
5	BM6	32110.625	2972492.606	1309.793
6	BASE 1	31554.907	2972273.957	1315.308
7	BM8	31863.359	2972434.240	1310.600
8	BM9	30897.070	2971594.689	1331.459
9	BM10	30359.333	2971436.189	1317.548
10	BM11	30244.527	2971000.080	2625.173

REFER TO DRG. 133-03 FOR SETTING OUT DATA AND PIPE DATA

REFER TO DRG. 133-01 TO 133-03 FOR VERTICAL PROFILE DETAILS

R/433 (PARK)

R.O.W SERVITUDE

SERVITUDE PIPELINE

PTN.545

BM3

BM2

BM1

BM4

CH=3627,382m
X=-2970813,778m
Y=-30103,046

CH=3613,721m
X=-2970823,347m
Y=-30112,796

CH=3544,160m
X=-2970870,911m
Y=-30163,555

CH=3470,687m
X=-2970921,359m
Y=-30216,970

CH=3380,074m
X=-2971011,491m
Y=-30226,299

CH=3326,484m
X=-2971053,773m
Y=-30259,224

CH=3276,042m
X=-2971103,129m
Y=-30269,637

CH=3237,591m
X=-2971140,789m
Y=-30277,396

CH=3161,604m
X=-2971215,213m
Y=-30292,730

CH=3077,592m
X=-2971296,602m
Y=-30313,559

CH=2994,395m
X=-2971377,989m
Y=-30330,818

CH=2906,671m
X=-2971463,714m
Y=-30349,438

CH=3670,804m
X=-2970784,081m
Y=-30071,368

PIPE-44 3670 SMH-49

PIPE-42 3600.00 SMH-48

PIPE-41 SMH-47

PIPE-40 SMH-46

PIPE-39 SMH-45

PIPE-38 SMH-44

PIPE-37 SMH-43

PIPE-36 SMH-42

PIPE-35 SMH-41A

PIPE-34 SMH-41

PIPE-33 SMH-40

SMH-39

Ø1 050mm Class 75D

START OF NEW 1050mmØ OUTFALL SEWER PIPE

TIE TO EXISTING MANHOLE MATCH INVERT LEVEL

ROAD CROSSING PROPOSED DRILLING

N12 HIGHWAY

PROPOSED1050mmØ SEWER OUTFALL PIPE CLASS 75D ROCLA PIPE OR SIMILAR APPROVED

PROPOSED SEWER OUTFALL

PALISADE FENCE

EXISTING 375mmØ SEWER OUTFALL PIPE

PROPOSED 1050mmØ SEWER OUTFALL PIPE CLASS 75D ROCLA PIPE OR SIMILAR APPROVED

D14

D13

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTS DRAWINGS.
3. THIS DRAWING NOT TO BE SCALED.
4. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH LOCAL COUNCIL SPECIFICATIONS AND SANS 1200
5. ALL FORMATION LEVELS FOR THE DEVELOPMENT TO BE VERIFIED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCY TO BE BROUGHT FORWARD TO THE ENGINEER'S ATTENTION
6. CONNECTION INTO EXISTING SEWER TO BE DONE IN CONJUNCTION WITH THE LOCAL COUNCIL
7. PRIOR TO THE START OF CONSTRUCTION, ALL EXISTING SERVICES WHICH ARE TO BE CROSSED MUST BE EXPOSED TO CONFIRM THEIR POSITIONS AND LEVELS. ANY DISCREPANCY IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER.

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GENERAL NOTES:
1. REFER TO ALL RELEVANT DRAWINGS AND SPECIFICATIONS, DO NOT SCALE ANY DIMENSIONS.
2. WHERE DISCREPANCIES OCCUR BETWEEN THE PROJECT DRAWINGS OR SPECIFICATIONS, THESE SHOULD BE REPORTED IMMEDIATELY TO THE PRINCIPAL AGENT.
3. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ARCHITECT'S DRAWING BEFORE CONSTRUCTION COMMENCES.
4. ALL WATERPROOFING AND EARTH POISONING DETAILS TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION AND INSTRUCTIONS.

LEGEND

- PROPOSED SEWER PIPES
- PROPOSED SEWER CONNECTIONS
- PROPOSED SEWER MANHOLE
- EXISTING SEWER PIPES
- EXISTING 600mmØ SEWER OUTFALL PIPE
- EXISTING 375mmØ SEWER OUTFALL PIPE
- EXISTING PALISADE FENCE
- SURVEY BENCHMARK

ABBREVIATION

MH	- MANHOLE
BM	- BENCHMARK
m	- METERS
P.C.L	- PIPE COVER LEVEL
P.I.L	- PIPE INVERT LEVEL
CH.	- CHAINAGE

REV.	DATE	COMMENTS	BY
2	15/09/2017	CHAINAGES AMENDED	T.M.
1	08/08/2017	ALIGNMENT AMENDED AND BENCHMARKS UPDATED	T.M.
0	26/06/2017	ISSUED FOR CONSTRUCTION	T.M.

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Project:
ADAMAYVIEW OUTFALL SEWER

Drawing Title:
PROPOSED OUTFALL SEWER LAYOUT PLAN SHEET 4

Consultant's Signature:
2MC Consulting

Drawn:	Checked:	Designed:	Scale:
J. Mkhatshane	J. MUSHWANA	T.B MALAKA	1 : 1 000

Job Number:	Discipline:	Dwg Number:	Rev:	Dwg Size:
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