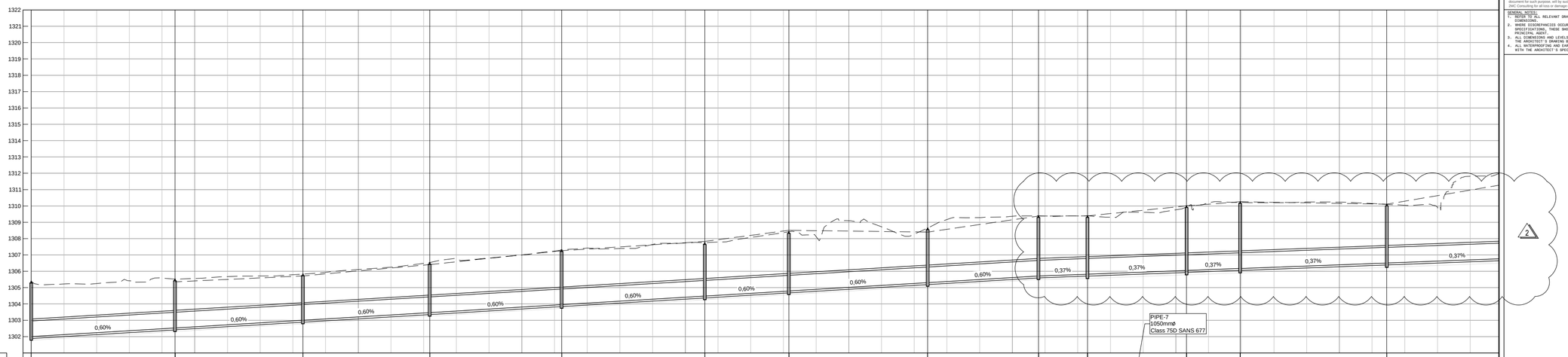
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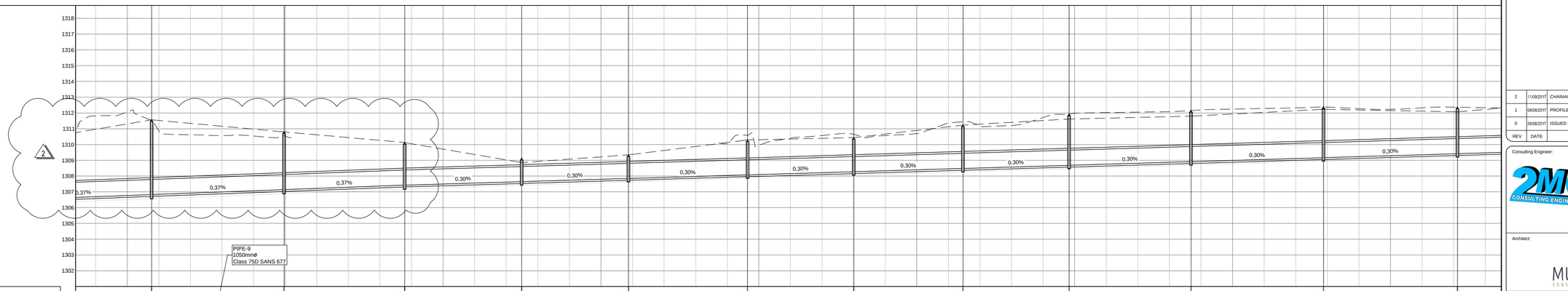
GENERAL NOTES:
1. REFER TO ALL RELEVANT DRAWINGS AND SPECIFICATIONS, DO NOT SCALE ANY DIMENSIONS.
2. WHERE DISCREPANCIES OCCUR BETWEEN THE PROJECT DRAWINGS OR SPECIFICATIONS, THESE SHOULD BE REPORTED IMMEDIATELY TO THE PRINCIPAL AGENT.
3. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED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

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1301.000



REFERENCE		SMH- 1A	PIPE-1 1050mmø Class 100D SANS 677	SMH- 1	PIPE-2a 1050mmø Class 75D SANS 677	SMH- 2	PIPE-2 1050mmø Class 75D SANS 677	SMH- 3	PIPE-3a 1050mmø Class 75D SANS 677	SMH- 4	PIPE-3 1050mmø Class 75D SANS 677	SMH- 5	PIPE-4 1050mmø Class 75D SANS 677	SMH- 6	PIPE-5 1050mmø Class 75D SANS 677	SMH- 7	PIPE-6a 1050mmø Class 75D SANS 677	SMH- 8	PIPE-6 1050mmø Class 75D SANS 677	SMH- 9		SMH- 10	PIPE-8a 1050mmø Class 75D SANS 677	SMH- 11	PIPE-8b 1050mmø Class 75D SANS 677	SMH- 12	PIPE-8 1050mmø Class 75D SANS 677
DISTANCE (m)		0.00	87.91		166.17		243.70		324.40		411.94		463.33		548.21		615.97		645.96		705.53		739.35		823.98	
GROUND LEVELS (m)		1305.382	1305.520		1305.829		1306.532		1307.314		1307.744		1308.423		1308.643		1309.395		1309.394		1309.946		1310.219		1310.089	
PIPE INVERT LEVEL		1302.000	1302.529 1302.629		1303.001 1303.001		1303.469 1303.469		1303.954 1303.954		1304.481 1304.481		1304.791 1304.791		1305.302 1305.302		1305.710 1305.710		1305.822 1305.822		1306.048 1306.048		1306.171 1306.171		1306.595 1306.595	
TRENCH LEVEL		1301.780	1302.399		1302.781		1303.248		1303.724		1304.261		1304.571		1305.082		1305.490		1305.555		1305.781		1305.904		1306.238	
DEPTH TO TRENCH		3.602	3.211		3.048		3.284		3.590		3.483		3.852		3.561		3.905		3.839		4.165		4.315		3.951	
SLOPE / LENGTH			0.60% 1:166.1 87.91m		0.60% 1:165.8 78.26m		0.60% 1:166.1 77.53m		0.60% 1:166.1 80.71m		0.60% 1:166.1 87.54m		0.60% 1:166.1 51.39m		0.60% 1:166.1 84.88m		0.60% 1:166.1 67.76m		0.37% 1:267.9 29.99m		0.37% 1:267.9 60.56m		0.37% 1:267.9 32.83m		0.37% 1:267.9 89.63m		0.37% 1:267.9 86.44m
HYDRAULICS	DESIGN Q(l/s) V(m/s)		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.74		240.00 1.46		240.00 1.46		240.00 1.46		240.00 1.46	
	MAX. (0.8D) Q(l/s) V(m/s)		1807.84 2.50		1807.84 2.50		1807.84 2.50		1807.84 2.50		1807.84 2.50		1807.84 2.50		1807.84 2.50		1807.84 2.50		1423.26 2.50		1423.26 2.50		1423.26 2.50		1423.26 2.50	



SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1301.000

REFERENCE		PIPE-8 1050mmø 75D SANS 677	SMH- 13	PIPE-10 1050mmø Class 75D SANS 677	SMH- 14	PIPE-11 1050mmø Class 75D SANS 677	SMH- 15	PIPE-12 1050mmø Class 75D SANS 677	SMH- 16	PIPE-13 1050mmø Class 75D SANS 677	SMH- 17	PIPE-14 1050mmø Class 75D SANS 677	SMH- 18	PIPE-15 1050mmø Class 75D SANS 677	SMH- 19	PIPE-16 1050mmø Class 75D SANS 677	SMH- 20	PIPE-17 1050mmø Class 75D SANS 677	SMH- 21	PIPE-18 1050mmø Class 75D SANS 677	SMH- 22	PIPE-19 1050mmø Class 75D SANS 677	SMH- 23	PIPE-20 1050mmø Class 75D SANS 677	SMH- 24	Cl
DISTANCE (m)			915.42		959.31		1075.67		1149.75		1217.43		1292.80		1360.08		1429.23		1496.45		1573.67		1657.57		1742.41	
GROUND LEVELS (m)			1311.523		1310.557								1310.588		1310.649		1311.433		1311.925		1312.153		1312.365		1312.368	
PIPE INVERT LEVEL			1306.228 1306.328		1307.141 1307.141		1307.426 1307.426		1307.647 1307.647		1307.750 1307.750		1308.075 1308.075		1308.276 1308.276		1308.483 1308.483		1308.684 1308.684		1308.915 1308.915		1309.196 1309.196		1309.420 1309.420	
TRENCH LEVEL			1306.561		1306.874		1307.159		1307.427		1307.630		1307.855		1308.056		1308.263		1308.464		1308.695		1308.946		1309.200	
DEPTH TO TRENCH			4.963		3.683								2.732		2.593		3.170		3.461		3.458		3.439		3.169	
SLOPE / LENGTH			0.37% 1:267.9 86.44m		0.37% 1:267.9 83.89m		0.37% 1:267.9 76.36m		0.30% 1:334.4 74.08m		0.30% 1:334.4 67.68m		0.30% 1:334.4 75.36m		0.30% 1:334.4 67.29m		0.30% 1:334.4 69.14m		0.30% 1:334.4 67.23m		0.30% 1:334.4 77.21m		0.30% 1:334.4 83.91m		0.30% 1:334.4 84.84m	
HYDRAULICS	DESIGN Q(l/s) V(m/s)		240.00 1.46		240.00 1.46		240.00 1.46		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35		240.00 1.35	
	MAX. (0.8D) Q(l/s) V(m/s)		1423.26 2.50		1423.26 2.50		1423.26 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50		1273.90 2.50	

REV	DATE	COMMENTS	BY
2	11/09/2017	CHAINAGES AND PIPE GRADIENT AMENDED	T.M.
1	05/09/2017	PROFILE AMENDED	T.M.
0	26/06/2017	ISSUED FOR CONSTRUCTION	T.M.

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HENIBYL
1903

Architect:
MUTESAL CONSULTING (Pty)

Client:
INSTRATIN
Property Developers, Investors and Asset Managers

Project:
ADAMAYVIEW OUTFALL SEWER

Drawing Title:
PROPOSED OUTFALL SEWERLINE
LONG SECTION
SHEET 1

Consultant's Signature:

2MC Consulting

Drawn:	Checked:	Designed:	Scale:
J. Mkhatshane	J. MUSHWANA	T. MALAKA	AS SHOWN

Job Number:	Discipline:	Dwg Number:	Rev:	Dwg Size:
201502-NW-Bld	CIV	133-01	2	A0