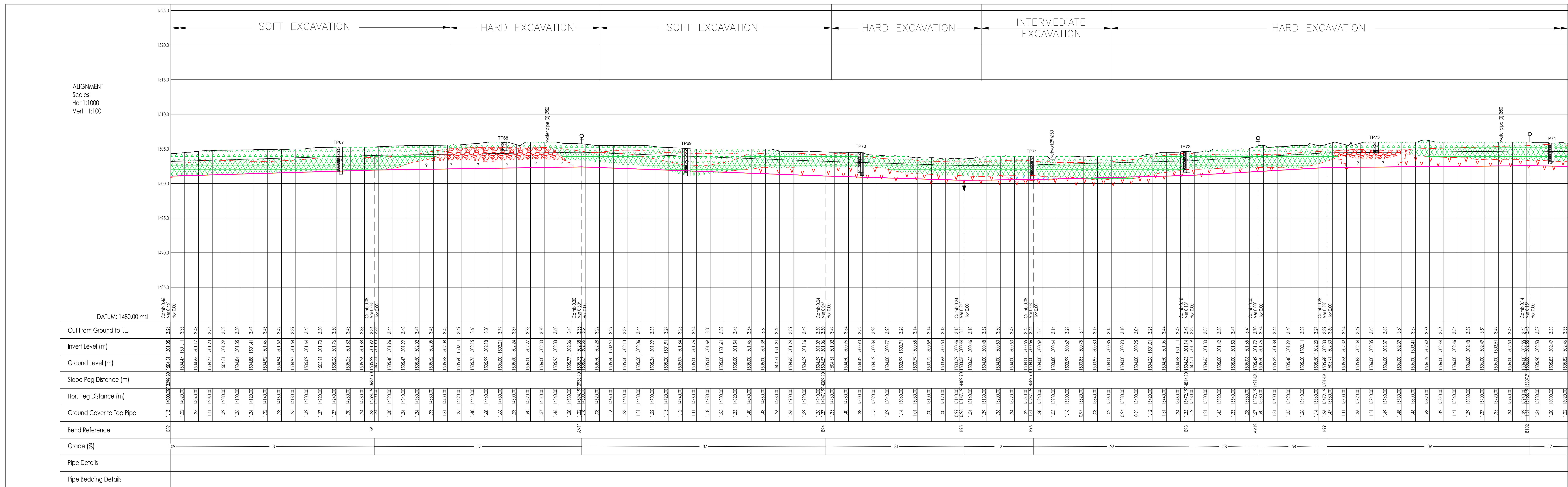


TRAIL PIT CO-ORDINATE LIST WG 84 LO 29		
TP NUMBER	Y	X
1	99526.000	29522979.000
2	99540.000	29521272.000
3	99881.000	2951998.000
4	98733.000	2951922.000
5	98140.000	2951971.000
6	98241.000	2952034.000
7	89625.000	294670.000
8	89748.000	2940492.000
9	89642.000	2940253.000
10	89584.000	294014.000
11	89540.000	2939949.000
12	89660.000	295200.000
13	97169.000	2951963.000
14	97493.000	2951930.000
15	97437.000	2951918.000
16	97406.000	2951913.000
17	97161.000	2951868.000
18	96916.000	2951807.000
19	96469.000	2951752.000
20	96428.000	2951444.000
21	96211.000	2951534.000
22	96255.000	2951476.000
23	95997.000	2951462.000
24	95789.000	2951312.000
25	95586.000	2951205.000
26	95657.000	2951183.000
27	95459.000	2951012.000
28	95381.000	295084.000
29	95119.000	2950716.000
30	94938.000	2950491.000
31	94781.000	2950291.000
32	94627.000	2950095.000
33	94474.000	2949897.000
34	94326.000	2949493.000
35	94239.000	2949432.000
36	94170.000	2949116.000
37	94166.000	2948993.000
38	94048.000	2948697.000
39	93807.000	2948896.000
40	93715.000	2948647.000
41	93623.000	2948430.000
42	93533.000	2948198.000



LEGEND

TEST PIT MATERIAL LEGEND






















	PEDOGENIC MATERIAL: COLLUVIUM
	ALLUVIUM
	RUBBLE
	RESIDUAL SOILS
	ANDESITE

INTERPRETATION BETWEEN BOREHOLES

— — — — — GEOLOGICAL BOUNDARY


EXCAVATABILITY:

	FILL
	PEDOGENIC MATERIAL: SOFT
	PEDOGENIC MATERIAL: HARD
	COLLUVIUM: SOFT
	ALLUVIUM: SOFT
	RESIDUAL SOILS: SOFT
	RESIDUAL SOILS: INTERMEDIATE
	ANDESITE: INTERMEDIATE
	ANDESITE: HARD

LEGEND	LEGEND
 AIR VALVE WITHOUT ACCESS MAN-HOLE  AIR VALVE WITH ACCESS M/H  IN-LINE SUCTION VALVE  IN-LINE BUTTERFLY VALVE  SCOUR VALVE  REFLEX VALVE  PIPE JACKING  PIPE BEND REFERENCE MARKER	 BEACON (BCH)  PIPE LOCATOR TEST POINT (PLT)  METER  ELECTRIC POLE (EP)  TELEPHONE POLE (TP)  FENCE  SURVEY STATION <p><u>CATHODIC PROTECTION LEGEND :</u></p>  EXISTING CROSS BOND FACILITY  NEW CROSS BOND FACILITY  NEW CP SYSTEM  EXISTING CP SYSTEM  ZINC RIBBON  EARTH MAT

- NOTES:
1. ALL PEGS ARE 12mm ROUND IRON PEGS ON CENTRE LINE OF PIPELINE.
 2. HORIZONTAL BENDS ARE SQUARE PEGS
 3. OVER HEAD ELECTRICAL PYLONS - BEWARE OF UNDERGROUND EARTH STRAPS AND CABLES BETWEEN PYLONS
 4. ENSURE ACCESS TO PROPERTIES ARE AVAILABLE WHERE DRIVEWAYS ARE AFFECTED
 5. FOR CONCRETE ENCASEMENT REFER TO CIVIL DRAWINGS
 6. ALL ATTEMPTS ARE UNDERTAKEN BY THE SURVEYOR TO LOCATE ALL AFFECTED SERVICES ABOVE AND BELOW GROUND. SURFACE. IT IS OF UTMOST IMPORTANCE THAT THE CONTRACTOR TAKE THE NECESSARY PRECAUTIONS WHEN EXCAVATING IN THE VICINITY OF SERVICES.

[illegible][illegible]

 RAND WATER		Box 1127 Johannesburg 2000 Tel 011 682-0911	
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SAP No		P.A.M	A.NXUMALO
Contract No		D.O.M.	C.THUMBARE
Designed	D.KATSKY		
Drawn By	I.DAVIDS	ApprovedP.Eng/Tech
Surveyed By	Capacity
Checked By	D.KATSKY	Date
Date	DEC :2017		

ZUIKERBOSCH TO MAPLETON
B16 2300mmØ STEEL PIPELINE
ZUIKERBOSCH TO SLANGFONTEIN PORTION
B16 2100mmØ STEEL PIPELINE
PLAN AND SECTION
CH 14000 - CH 16 000

station			wks										doctype			s	
B	1	6	0	2			D	C	P	

Scale: 2000

R028366/10/8

Revision
0