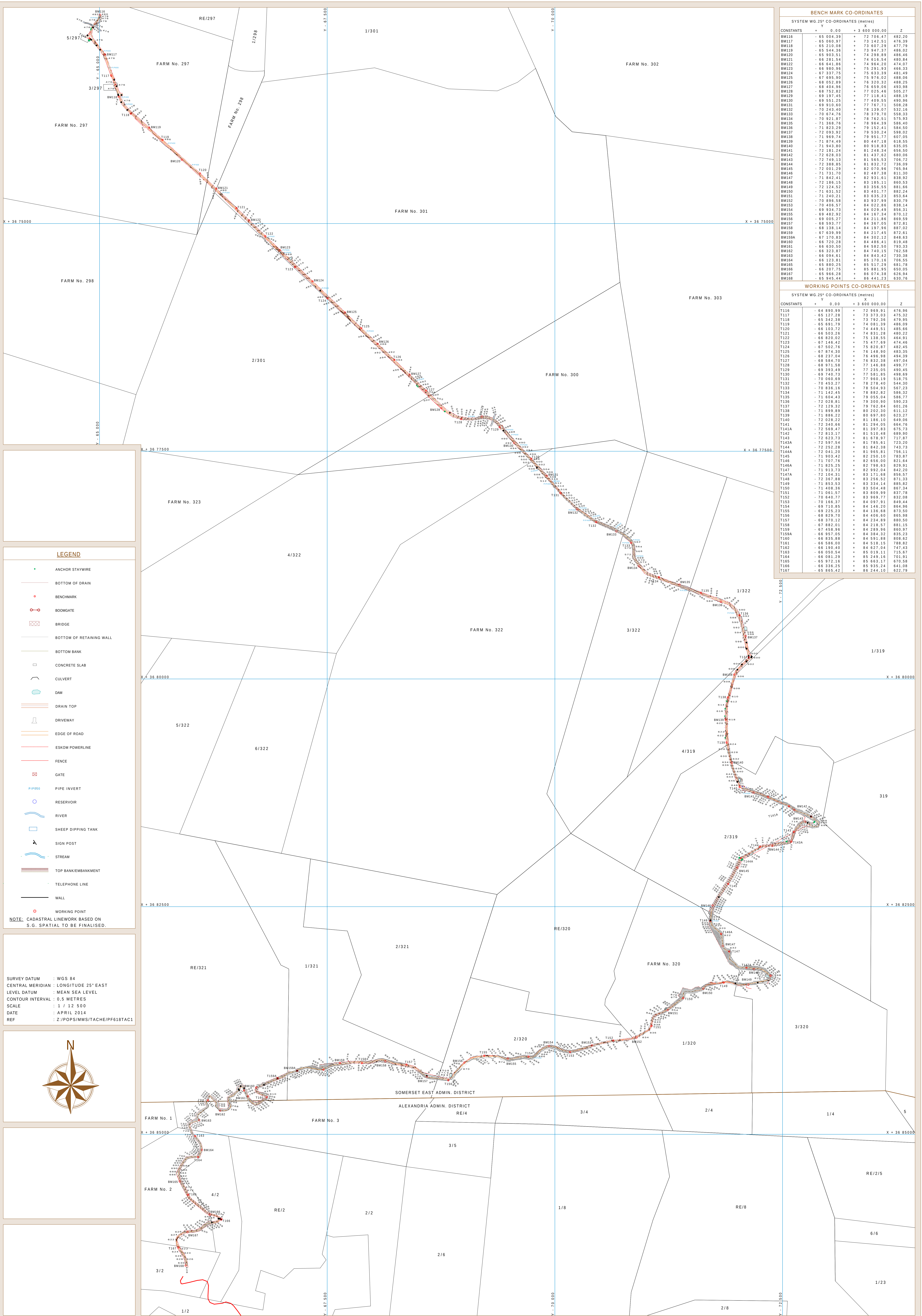
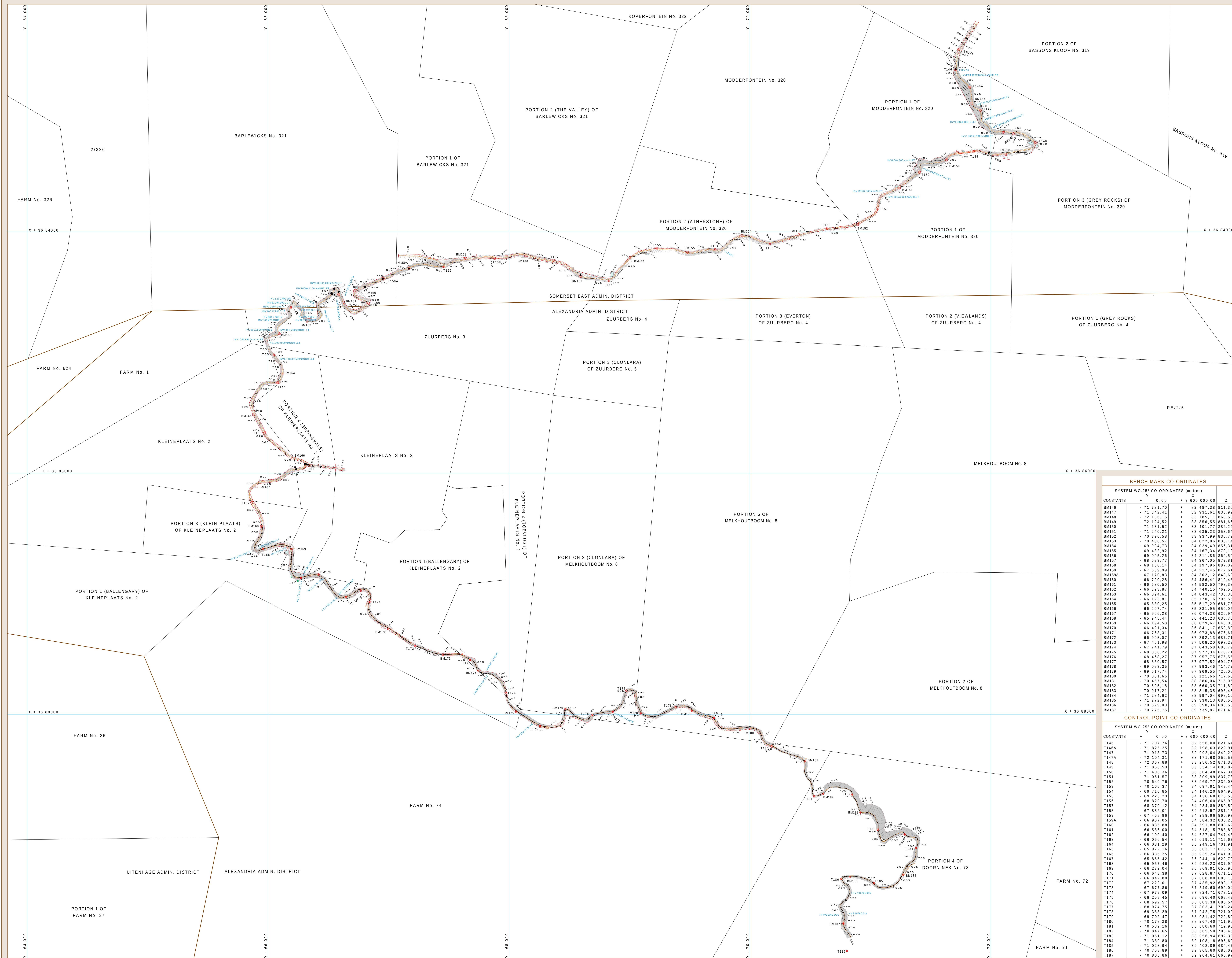






LEGEND

ANCHOR STAYWIRE

BOTTOM OF DRAIN

BENCHMARK

PIPE INVERT

BUILDING

BOTTOM OF RETAINING WALL

BOTTOM BANK

CONCRETE SLAB

CULVERT

DAM

DRAIN TOP

CENTRE OF ROAD

EDGE OF ROAD

ESKOM POWERLINE

FENCE

GATE

INVERT(LENGTHmm)(X)(HEIGHTmm)INLET

DRIVEWAY

RIVER

RAIL GUARD

SIGN POST

STREAM

TOP BANK/EMBANKMENT

TELEPHONE LINE

TOP OF RETAINING WALL

WORKING POINT

NOTE: CADASTRAL LINWORK BASED ON FARM DIAGRAMS SUPPLIED BY THE SURVEYOR GENERAL.

SURVEY DATUM : WGS 84

CENTRAL MERIDIAN : LONGITUDE 25° EAST

LEVEL DATUM : MEAN SEA LEVEL

CONTOUR INTERVAL : 0.5 METRES

SCALE : 1 / 10 000

DATE : JULY 2014

REF : Z:/POPS/IMMS/ITACHE/PF618TAC4

BENCH MARK CO-ORDINATES			
SYSTEM WG. 25° CO-ORDINATES (metres)			
CONSTANTS	X	Y	Z
	0.00	+ 3 600 000.00	
BM146	- 71 731.70	+ 82 487.38	811.30
BM147	- 71 842.41	+ 82 931.61	838.92
BM148	- 72 185.15	+ 83 185.11	860.53
BM149	- 72 124.52	+ 83 356.55	881.66
BM150	- 71 631.52	+ 83 401.77	882.24
BM151	- 71 240.21	+ 83 635.23	853.64
BM152	- 70 896.58	+ 83 937.99	830.79
BM153	- 70 406.57	+ 84 022.86	838.14
BM154	- 69 934.73	+ 84 028.48	856.31
BM155	- 69 482.92	+ 84 167.34	870.12
BM156	- 69 005.26	+ 84 211.86	869.59
BM157	- 68 593.77	+ 84 367.05	872.81
BM158	- 68 138.14	+ 84 197.96	887.02
BM159	- 67 639.99	+ 84 217.45	872.61
BM159A	- 67 170.83	+ 84 302.12	848.63
BM160	- 66 720.26	+ 84 486.41	819.48
BM161	- 66 630.50	+ 84 582.50	793.33
BM162	- 66 323.87	+ 84 740.15	762.58
BM163	- 66 094.61	+ 84 943.42	730.38
BM164	- 66 123.81	+ 85 170.16	706.55
BM165	- 65 880.25	+ 85 517.29	681.78
BM166	- 66 207.74	+ 85 881.95	650.05
BM167	- 65 966.28	+ 86 074.38	626.94
BM168	- 65 945.44	+ 86 441.23	630.76
BM169	- 66 194.58	+ 86 628.07	646.03
BM170	- 66 421.34	+ 86 841.17	659.89
BM171	- 66 765.31	+ 86 973.88	676.67
BM172	- 66 998.07	+ 87 292.13	687.71
BM173	- 67 451.98	+ 87 508.20	697.29
BM174	- 67 741.79	+ 87 643.58	686.75
BM175	- 68 056.22	+ 87 977.34	670.71
BM176	- 68 466.27	+ 87 957.75	675.55
BM177	- 68 860.57	+ 87 977.52	694.75
BM178	- 69 093.35	+ 87 993.46	714.72
BM179	- 69 517.74	+ 87 969.65	726.06
BM180	- 70 001.66	+ 88 121.66	717.66
BM181	- 70 457.54	+ 88 386.04	715.06
BM182	- 70 605.18	+ 88 660.35	711.69
BM183	- 70 917.21	+ 88 815.35	696.45
BM184	- 71 284.62	+ 88 997.04	698.10
BM185	- 71 272.94	+ 89 330.13	686.50
BM186	- 70 829.00	+ 89 350.34	685.53
BM187	- 70 775.78	+ 89 735.67	671.43

CONTROL POINT CO-ORDINATES			
SYSTEM WG. 25° CO-ORDINATES (metres)			
CONSTANTS	X	Y	Z
	0.00	+ 3 600 000.00	
T146	- 71 707.76	+ 82 656.00	821.64
T146A	- 71 825.25	+ 82 796.63	829.91
T147	- 71 913.73	+ 82 992.04	842.20
T147A	- 72 104.31	+ 83 171.68	856.57
T148	- 72 367.88	+ 83 256.52	871.33
T149	- 71 853.53	+ 83 334.14	885.82
T150	- 71 406.36	+ 83 504.48	887.34
T151	- 71 061.57	+ 83 800.99	837.78
T152	- 70 640.76	+ 83 969.77	832.08
T153	- 70 166.37	+ 84 097.91	849.44
T154	- 69 710.85	+ 84 146.20	864.96
T155	- 69 225.23	+ 84 136.68	873.50
T156	- 68 829.70	+ 84 406.60	865.98
T157	- 68 370.12	+ 84 234.89	880.50
T158	- 67 882.01	+ 84 218.57	881.15
T159	- 67 458.96	+ 84 289.06	860.97
T159A	- 66 957.05	+ 84 364.32	835.23
T160	- 66 635.98	+ 84 591.68	808.62
T161	- 66 586.00	+ 84 518.15	798.82
T162	- 66 190.40	+ 84 627.04	747.43
T163	- 66 050.54	+ 85 019.11	715.67
T164	- 66 081.29	+ 85 249.16	701.91
T165	- 65 972.16	+ 85 663.17	670.58
T166	- 66 336.25	+ 85 935.24	641.08
T167	- 65 865.42	+ 86 244.10	622.79
T168	- 65 957.46	+ 86 626.23	637.94
T169	- 66 272.04	+ 86 869.91	655.90
T170	- 66 648.38	+ 87 028.87	671.13
T171	- 66 842.80	+ 87 068.00	680.18
T172	- 67 222.01	+ 87 435.92	693.15
T173	- 67 877.86	+ 87 549.60	692.04
T174	- 67 975.09	+ 87 824.71	673.12
T175	- 68 258.45	+ 88 096.40	668.43
T176	- 68 692.57	+ 88 003.28	686.54
T177	- 68 974.75	+ 87 803.41	702.24
T178	- 69 383.29	+ 87 942.75	721.02
T179	- 69 702.47	+ 88 021.42	722.60
T180	- 70 178.28	+ 88 267.40	711.96
T181	- 70 532.16	+ 88 680.60	712.95
T182	- 70 847.65	+ 88 665.50	703.46
T183	- 71 061.12	+ 88 956.94	692.33
T184	- 71 380.80	+ 89 108.18	696.60
T185	- 71 026.94	+ 89 402.09	684.47
T186	- 70 758.89	+ 89 365.60	685.02
T187	- 70 805.86	+ 89 964.61	665.97

