

*Planimeter Areas accepted.*

46. The areas of figures bounded by watercourses, or irregular curved lines fixed by offsets from the traverse-lines, should be obtained by computing the portion of the area within the closed traverse-lines by double longitudes and using a planimeter to determine the portion of the area between the traverse-lines and the boundary; and in cases where the boundary consists of a large number of sides a limited use of the planimeter will be permitted to determine a portion of the area of which the greater portion is computed mathematically.

*Drafting.*

47. All plans shall be drawn by the surveyor, or under his supervision, on mounted drawing-paper of the best quality and according to regulation size. (See Appendix G.)

*Scale and Size of Plans.*

48. The dimensions of plans and the scales to be used in connection with surveys under the several Land and Native Acts are prescribed in Appendix G hereto. In cases where details are numerous plans shall be enlarged to a scale suitable for showing such details clearly.

*Position of North Point.*

49. Plans shall be accurately plotted, and shall read with the north point upwards, unless there is sufficient reason to the contrary, as in the case of railway-land plans.

*Defence Works.*

50. In preparing maps and plans (other than for the Defence Department) no reference whatever is to be made therein to forts, works of defence, submarine mining, torpedo establishments, electric-light emplacements, wireless stations, &c.; and public plans should not show these works.

*Meridian and Perpendicular Lines.*

51. Meridian and perpendicular lines shall be drawn in blue colour at exact distances of 5 in. apart, and in their true relative positions to the circuit initial station; from these lines the boundaries and traverses are to be set off from the computed co-ordinated distances in the traverse tables. An ordnance protractor may be used in filling in topographical detail.

*Diagrams.*

52. Diagrams, on enlarged scales, may be drawn on plans to show clearly details of measurements or of improvements.

*Title.*

53. The title of the plan shall be printed on the plan form in bold letters in the space provided for it, and shall show the numbers of the subdivisions, allotments, sections, or portions measured, blocks, the names of the survey district, county, town, or other particular locality in which the survey is situated, the surveyor, the date of survey, and the scale of the plan.

*Field-book Number to be noted on Plan.*

54. The number and the pages of field-book containing field notes of the survey shall be written on the plan.

*Delineation of Lines.*

55. All boundaries shall be ruled in firm lines. Measured lines are to be drawn in red, calculated lines in black, with figures in red and black respectively. Bush lines cut but not chained are to be drawn in red, the linkages in black. Observed bearings are to be written in blue, and those calculated in black.

*Traverse-lines.*

56. Traverses shall be ruled in firm red lines; the reduced measurements made and the bearings observed in the field shall be written along the lines in red and blue figures respectively, or in special cases these particulars may be written in a tablet on the plan form.

*Traverse Stations.*

57. Traverse stations shall be numbered and shown as follows:—

- (a.) New pegs shall be shown by small red circles.
- (b.) Old pegs, when adopted but not found, by small black circles.
- (c.) Old pegs, when found, by small black circles filled solid.
- (d.) Old pegs renewed, by a red circle enclosing a black circle filled solid.
- (e.) Iron tubes, by two small concentric blue circles.
- (f.) Iron spikes, by small blue circles.