LEVELS



WORKING IN THE 3RD DIMENSION



TYPICAL LEVELS PLAN



W	POINTS
лт	TIDEC

+ TK 28.020 + TK 28.03

+ TK 28.282

AND WOULD NEED TO BE DISC

Notes

- 1 Contractors to verify all dimensions on site prior to commencing work.
- 2 Contractors are responsible for confirming the location of all underground services on
- site prior to commencing work.
- 3 Figured dimensions to be taken in pre to scaled dimensions.

31.03.08 FOR TENDER

Issued for:

Revision

TENDER

Deslgn YT Drawn SK Check YT Appv'd JP

SCALE 1:150 @ A1 1:300 @ A3 Copyright © Boffa Miskell Limited 2008





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24 CLASSROOM BLOCK STAGE 2 SETOUT AND LEVELS

DRAWING NO. A06270-002



KEY



NOTES

NOTE 01 SETOUT OF ARTWORKS IS INDICATIVE ONLY AND WOULD NEED TO BE DISCUSSED ON SITE WITH THE ENGINEER.

GENERAL NOTES

NOTE 1: NEW MANHOLES BY OTHERS. LOCATION SHOWN ON PLAN IS NOT EXACT AND MAY VARY IN LOCATION ON SITE.



YOU ARE INDICATING THE HEIGHT OF AN OBJECT

EXERCISE



YOU WANT TO KNOW THE VERTICAL **DIFFERERNCE?**

YOU KNOW THE GRADIENT IS 1:50

YOU KNOW THE DISTANCE IS 4.27M

 $1/50 \ge 4.27 = 0.0854$

= 0.085M LEVEL CHANGE

SO 27.88 - 0.085 = 27.79

NOTE:

- PRINT YOUR PLAN TO A SCALED A1 AND
- USE A SCALE RULER AND PENCIL AND
- START TO WORK OUT YOUR LEVELS

THE BEST WAY TO WORK OUT A LEVELS PLAN IS TO:

a) TO FIND THE GRADIENT



b) TO FIND HORIZONTAL LENGTH (TO LOCATE CONTOUR 7 IN RELATION TO POINT A)

В

8.600

= 7 - 5.800 0.056

= 21.43M

C) TO FIND ELEVATION OF C

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D = DIFFERENCE IN ELEVATION:
= L \times G
= 35 X 0.056
= 1.960
= 5.800 = 1.960
ELEVATION OF C IS: 7.760
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35M

50M

G = GRADIENTD = DISTANCE L = LENGTH

5.8

EXERCISE

