Contents

	Page
Introduction	3
Features	3
Program operation	3
Installation	3
Getting started	4
Notes on the program and its use	10
Methods of analysis and assumptions employed	11
Initial vertical stresses	11
Change in vertical stresses	11
Final vertical stresses	12
Compression of a soil layer	12
Rebound of a soil layer	13
Settlement	14
Preconsolidation pressures	15
Soil compressibility	16
Examples	19
Example 1	19
Example 2	22
References	25
Figure 1 – General window	5
Figure 2 – Point Loads window	5
Figure 3 – Coordinate system used in SetCalc	6
Figure 4 – Rectangular Loads window	8
Figure 5 – Soil Layers and Properties window	8
Figure 6 – Settlement Points and Results window	9
Figure 7 – Strain compressibility coefficient base on Standard Penetration Tests	18
Figure E1 – Example 1 plan view and cross section	19
Figure E2 – Output of Example 1	21
Figure E3 – Example 2 plan view, cross section and representation of load	23
Figure E4 – Output of Example 2	24