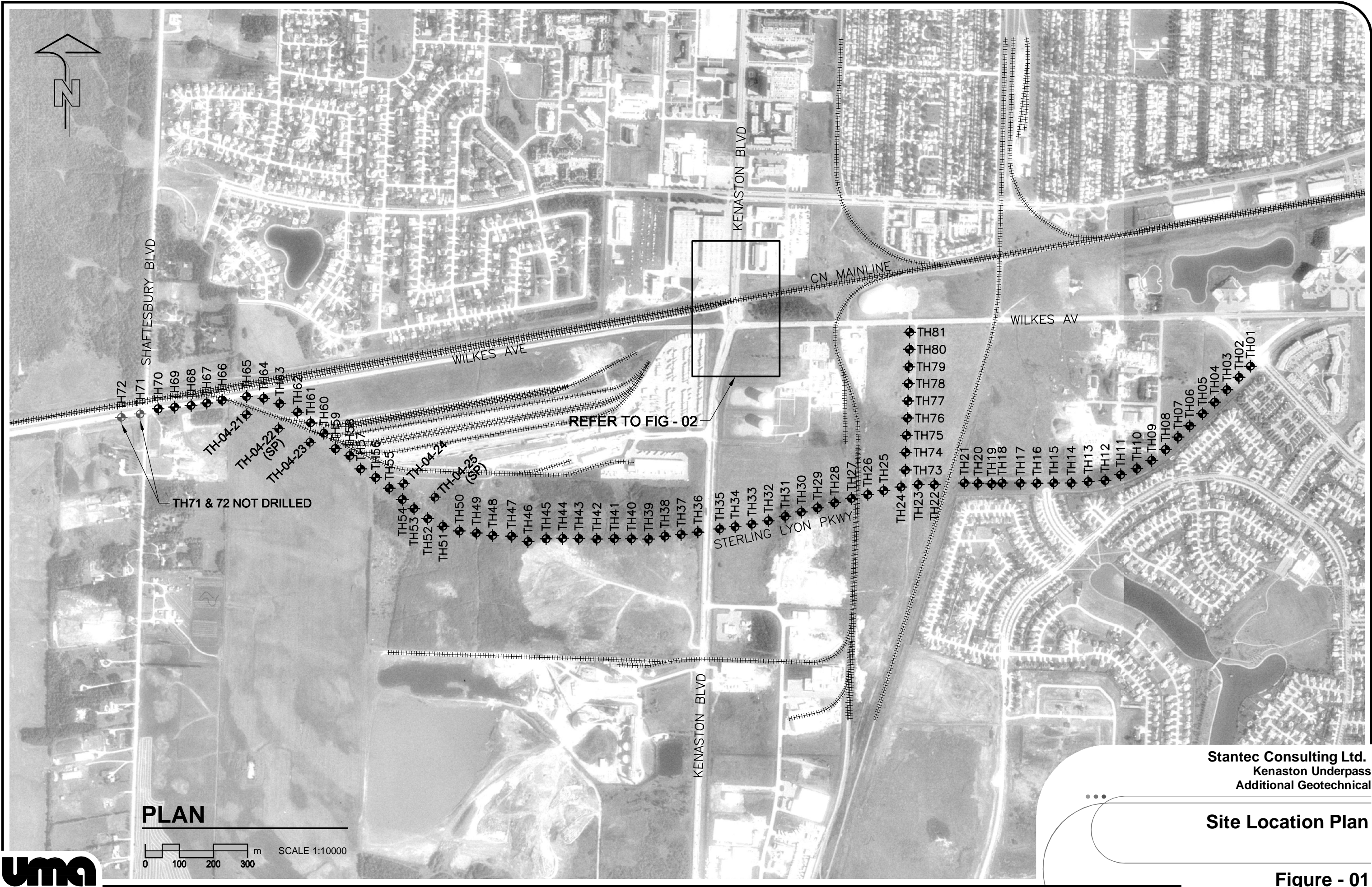
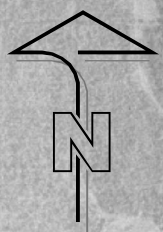


Geotechnical Report

Figures



PLAN

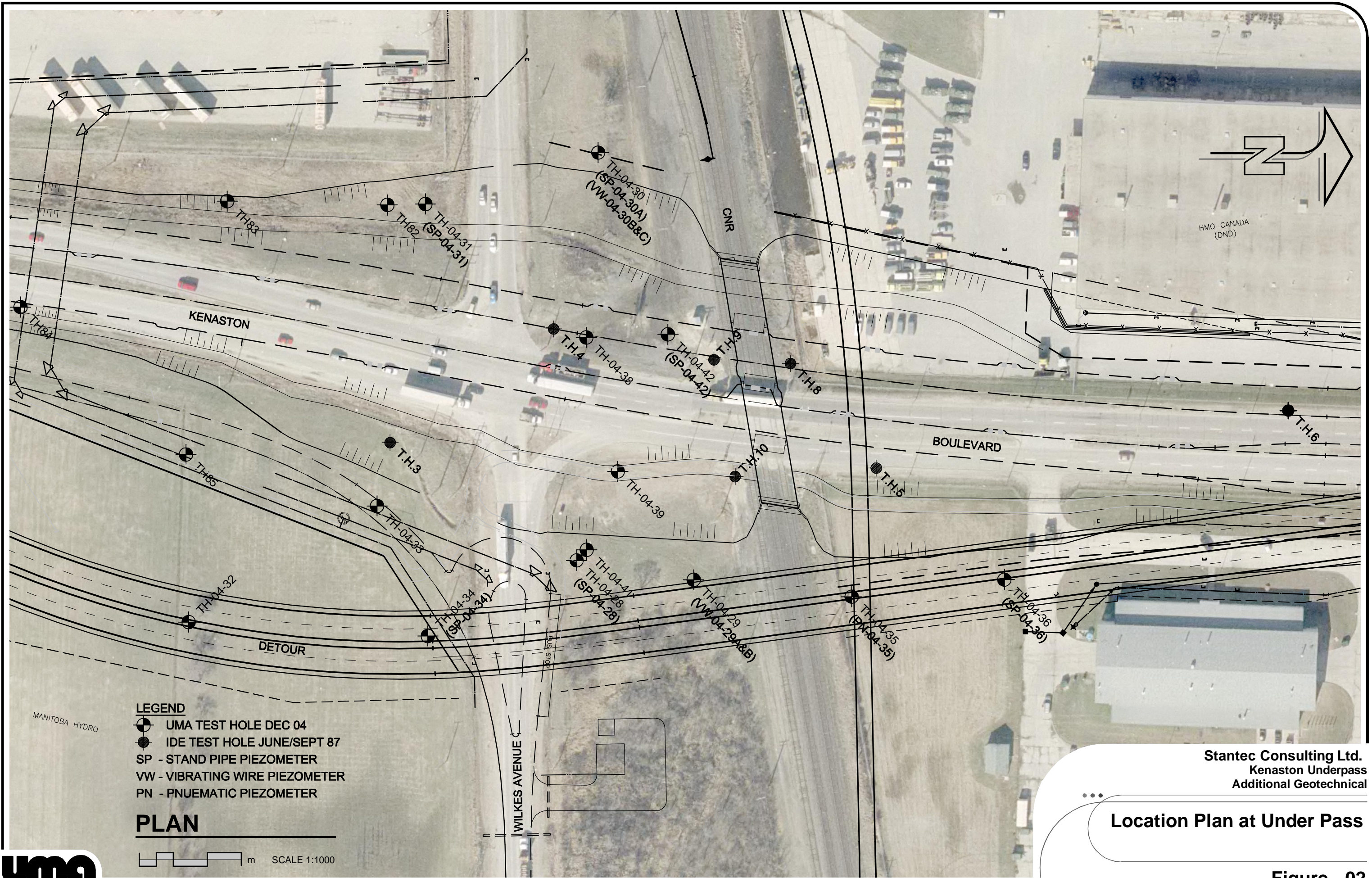
0 100 200 300 m SCALE 1:10000

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Site Location Plan

Figure - 01





LEGEND

- UMA TEST HOLE DEC 04
- ⊙ IDE TEST HOLE JUNE/SEPT 87
- SP - STAND PIPE PIEZOMETER
- VW - VIBRATING WIRE PIEZOMETER
- PN - PNEUMATIC PIEZOMETER

PLAN

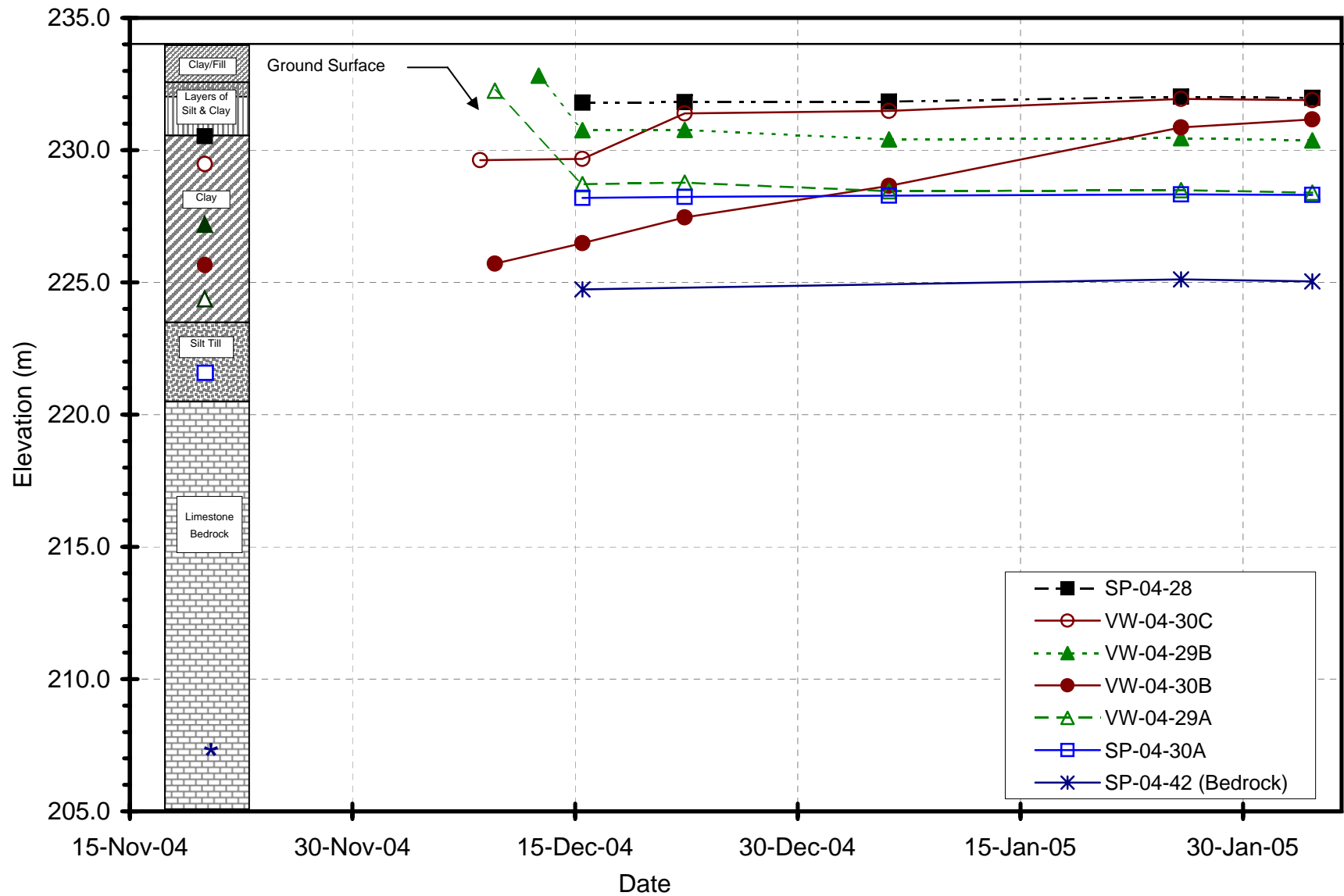
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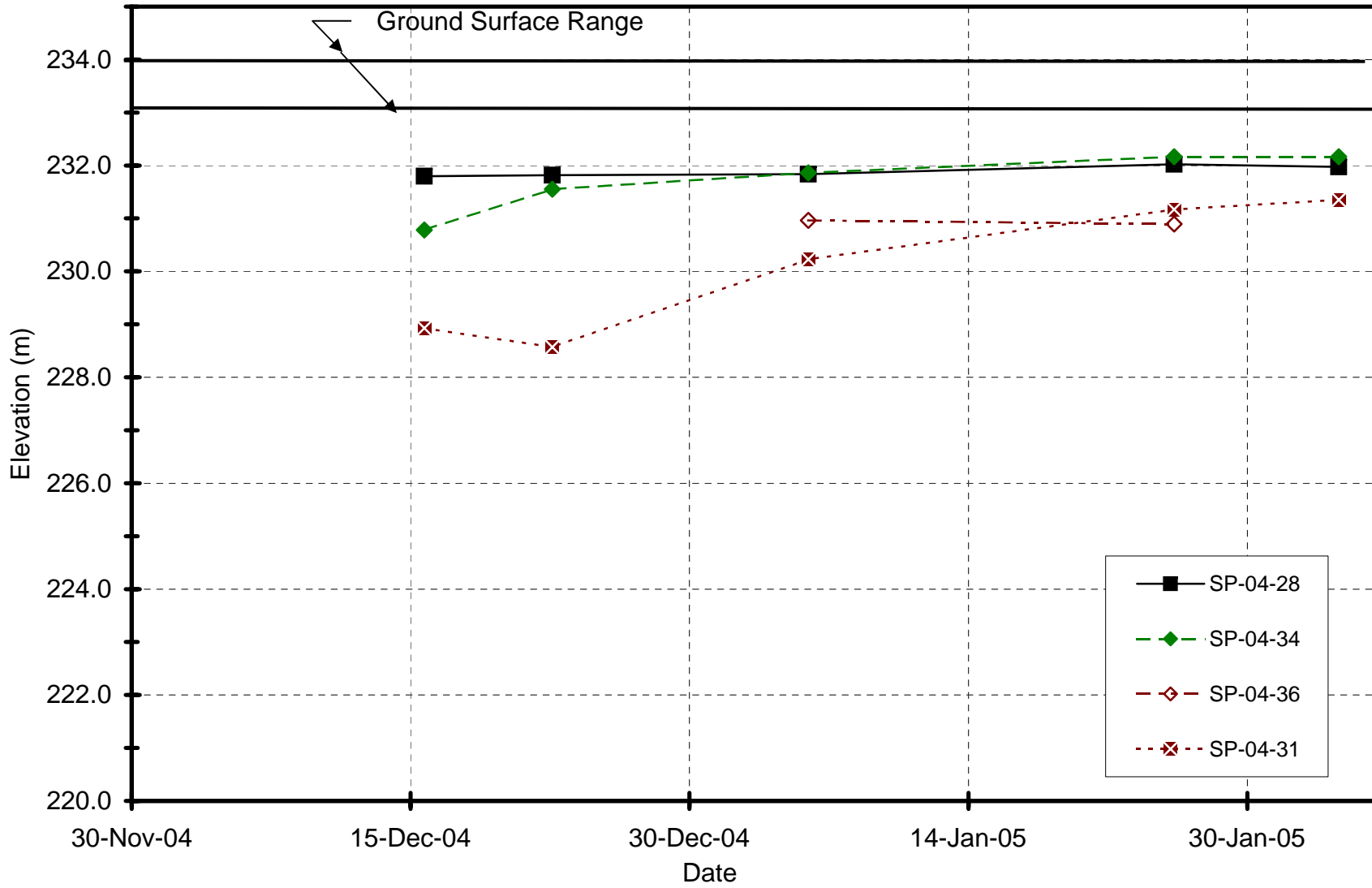
Location Plan at Under Pass

Figure - 02





**Figure 3 - Piezometric Head vs. Time
Piezometers Near Brigde**



**Figure 4 - Piezometric Head vs. Time
Shallow Piezometers**

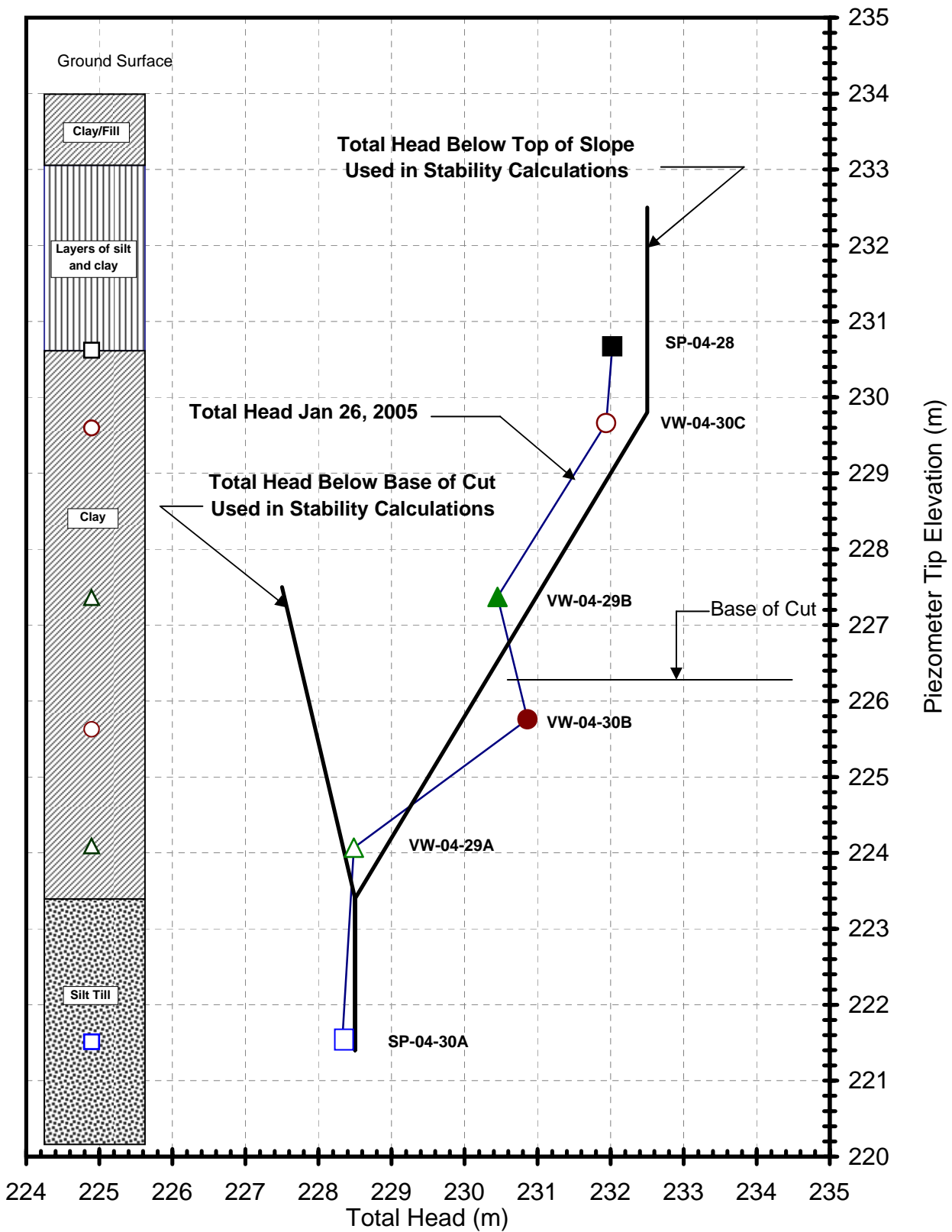


Figure 5 - Head Distribution for Stability Calculations

Title: Kenaston Underpass
 Comments: Groundwater at Winter 2005 Levels
 Name: 6.5 m cut, 5to1, 4 m bench 2.5 m fr bottom.gsz
 Date: 2/28/2005

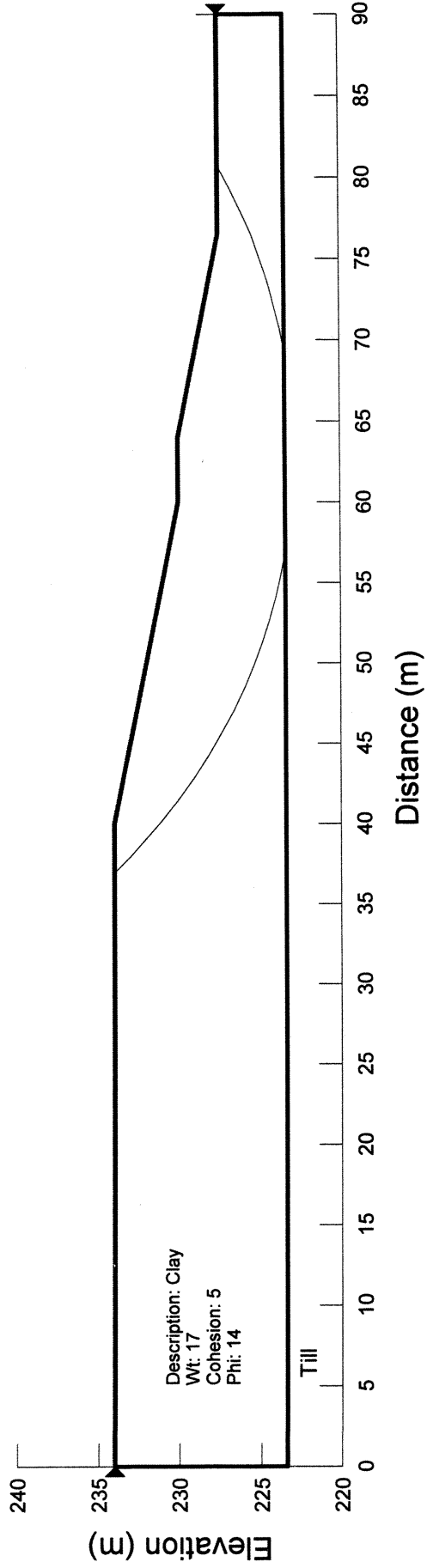
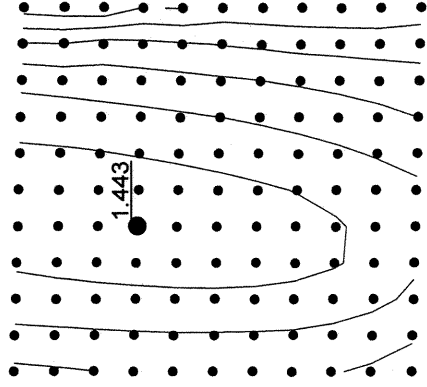


Figure 6 - Typical Slope Stability Output

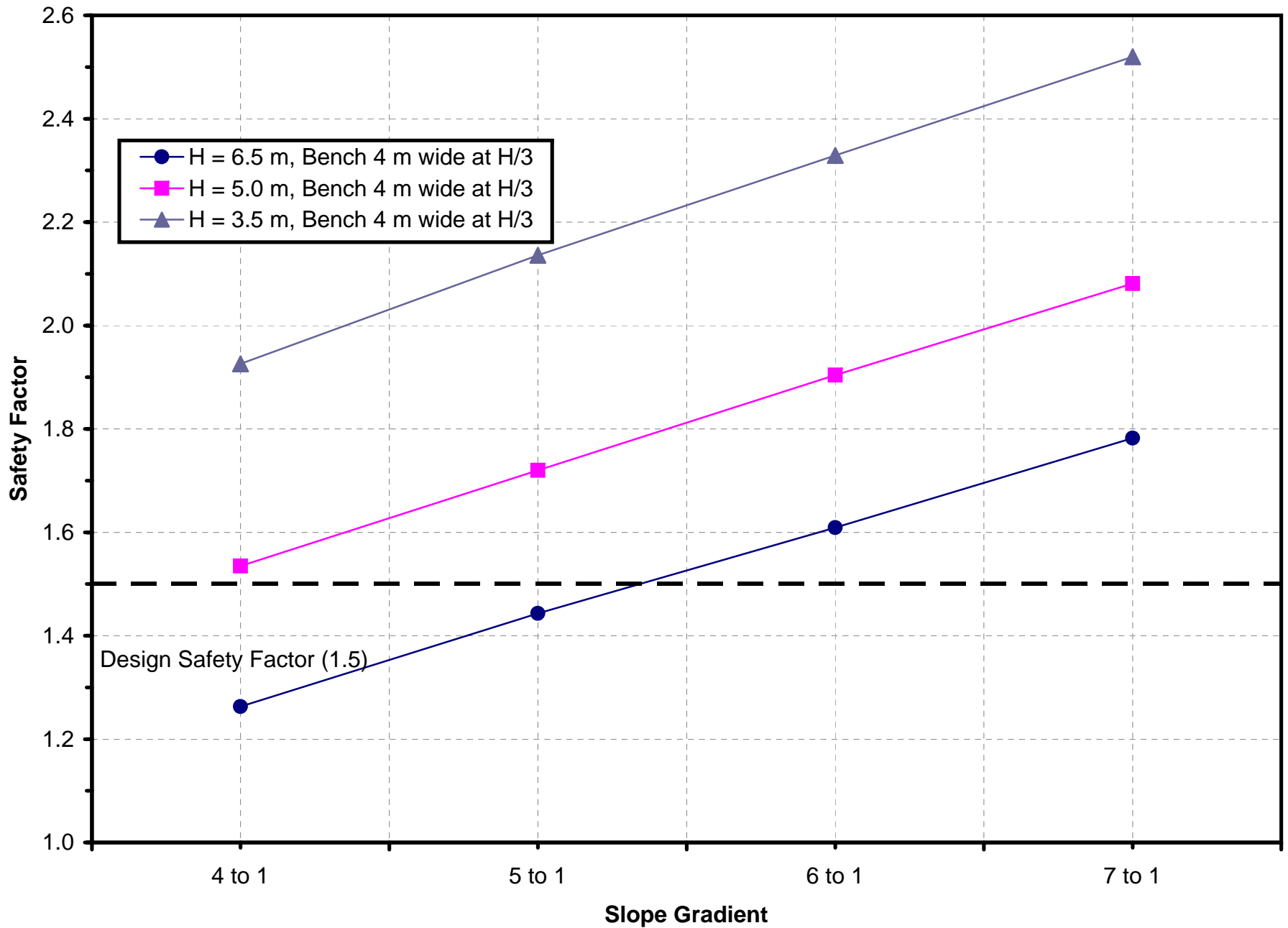
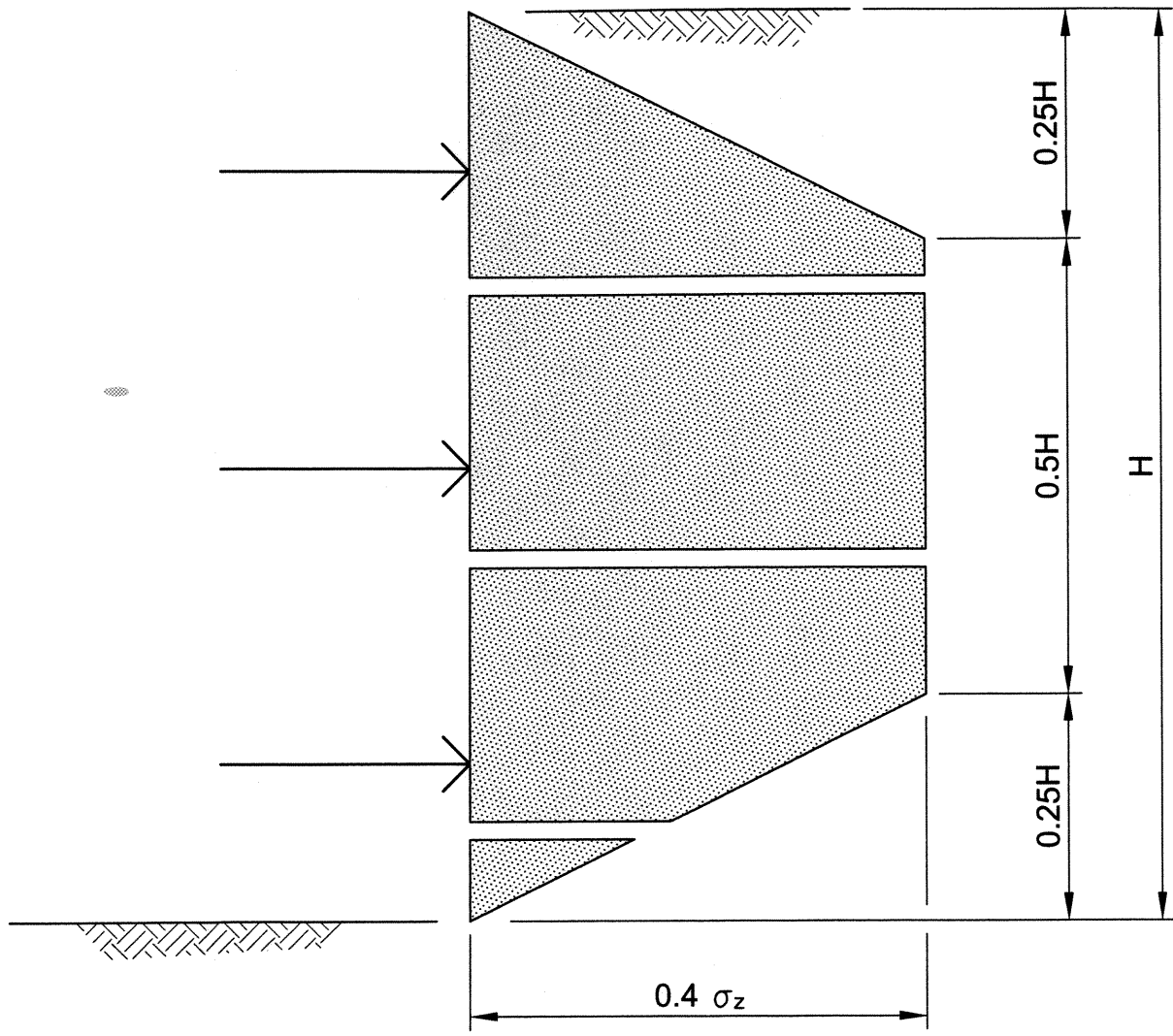


Figure 7 - Summary of Slope Stability Calculations



SOURCE: CANADIAN FOUNDATION ENGINEER MANUAL, 3rd EDITION.

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Kenaston Underpass

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Apparent Earth Pressure Forces on Supports for Strutted Walls

Figure - 08