

GEOFABRICS

AS4678-2002 EARTH RETAINING STRUCTURES INPUT DATA SHEET

PROJECT INFORMATION

*Requested by: _____

*Project Name: _____

*Project Number: _____

*Required By: _____

CLIENT INFORMATION

*Client: _____

Phone: _____ Fax _____

Email: _____

*Wall facing type: _____

Comments about facing type: _____

*Structural classification: A B C (circle one) refer to notes

*Design Life: (years) _____ Design in soil temperatures: (degrees) _____

WATER PROFILE

Inside Retaining Wall: _____ m

Outside wall: _____ m

EARTHQUAKE LOADING

Acceleration $A_h =$ _____ g (must be $< 0.5g$) Vertical Acceleration $A_v =$ _____ g (must be $< 0.5g$)

SURCHARGE LOADING DATA

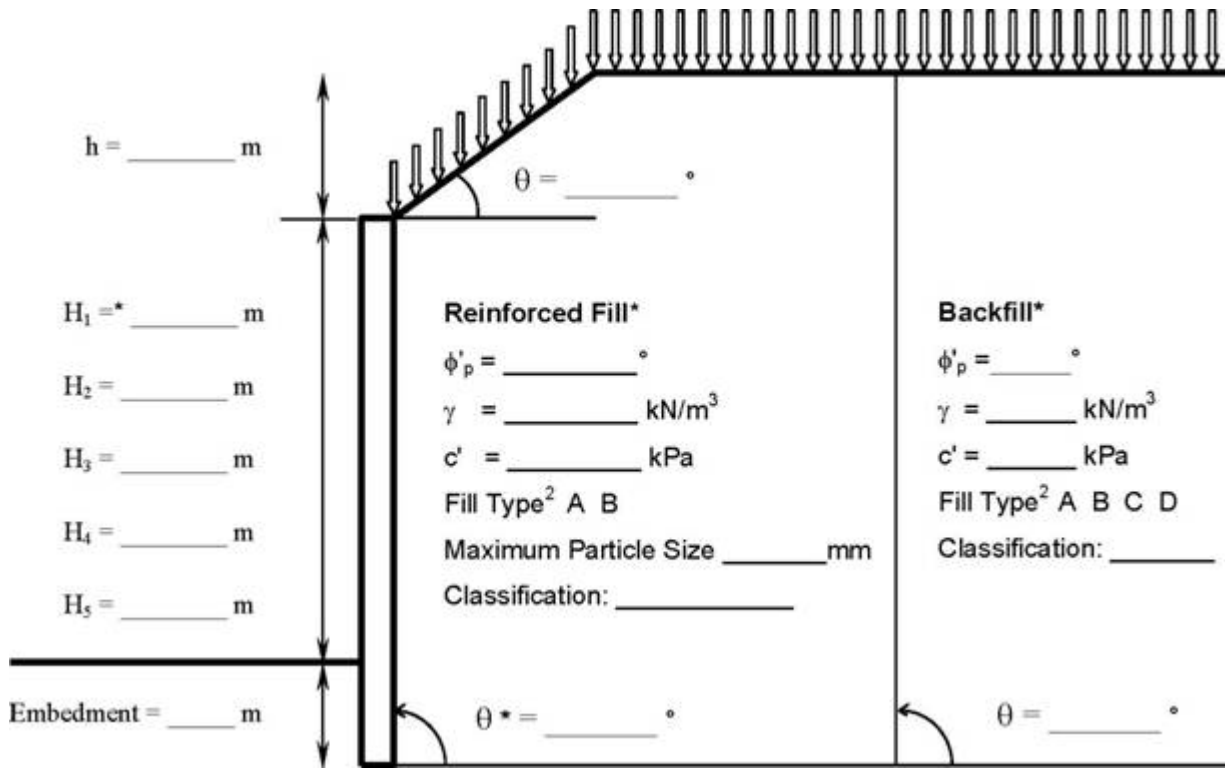
* Vertical Loading

Magnitude	Load type	Location of Loading	Width of Loading
		From top of the wall	
WS ₁ = _____ kPa	Temp / Perm	_____ m	_____ m
WS ₂ = _____ kPa	Temp / Perm	_____ m	_____ m
WS ₃ = _____ kPa	Temp / Perm	_____ m	_____ m
WS ₄ = _____ kPa	Temp / Perm	_____ m	_____ m
WS ₅ = _____ kPa	Temp / Perm	_____ m	_____ m

Horizontal Loading

Magnitude: _____ kN/m

Location: _____ (Horizontal) m from top wall _____ (Vertical) m from toe of wall



Please include a sketch or drawing for non conventional wall layouts or geometries

Foundation Material*

$\phi'_p = \text{_____}^\circ$
 $\gamma = \text{_____ kN/m}^3$
 $c' = \text{_____ kPa}$
 Fill Type² A B C D
 Classification: _____

NOTES

* Denotes required field

1. Structural Classification

- A. Failure would result in minimal damage or loss of access
- B. Failure would result in moderate damage or loss of service
- C. Failure would result in significant damage or risk to life

2. Fill Types for soils

- A. Controlled Fill Class 1 - 98% MDD average compaction
- B. Controlled Fill Class 2 - 95% MDD average compaction
- C. Uncontrolled Fill - General fill, no compaction requirements
- D. In-situ Material - Natural soil, weathered rock and rock materials