

SOIL REINFORCEMENT

CUSTOMER INFORMATION

| | | | |
|---------------|------|-------------------------|-------------|
| Company: | | | |
| Requested by: | | | |
| Tel.: | Fax: | e-mail: | |
| Project name: | | | Project N°: |
| Location: | | City / State / Country: | |

(*) MACCAFERRI INFORMATION

| | |
|-------------------------|-------------|
| Company or distributor: | |
| Requested by: | Project N°: |

(*) DESIGN LEVEL

STANDARD REQUIRED:

| | | | |
|--|---|---|--------------------------|
| <input type="checkbox"/> Level 1 (Conceptual Proposal) | <input type="checkbox"/> Level 2 (Preliminary Suggestion) | <input type="checkbox"/> Level 3 (Final Design) | <input type="checkbox"/> |
|--|---|---|--------------------------|

REINFORCEMENT TYPE

STRUCTURE DESIGN LIFE

(Refer to BS 8006:1995)

STRUCTURE CLASSIFICATION

(Refer to BS 8006:1995)

| |
|---|
| <input type="checkbox"/> Terramesh System |
| <input type="checkbox"/> Green Terramesh |
| <input type="checkbox"/> Geogrid |

| | |
|--|-------------|
| <input type="checkbox"/> Temporary works | 5 - 10 yrs. |
| <input type="checkbox"/> Slope (< 70°) | 60 yrs. |
| <input type="checkbox"/> Wall (> 70°) | 120 yrs. |

| | |
|----------------------------|---|
| <input type="checkbox"/> 1 | Failure would result in minimal damage and loss of access |
| <input type="checkbox"/> 2 | Failure would result in moderate damage and loss of service |
| <input type="checkbox"/> 3 | Failure would result in significant damage or risk to life |

(Please tick "✓" the appropriate box)

REINFORCED BLOCK GEOMETRY

| | | | |
|----------------------------|-------------------|--|-------------------|
| Wall/Slope height above GL | (H) | | m |
| Wall/Slope batter angle | (α) | | ° |
| Foundation depth | (Hf) | | m |
| Rockfill unit weight** | (γ _R) | | kN/m ³ |
| Gabion porosity** | | | % |

WATER LEVEL

| | | |
|------------------------------|----------------------|-----|
| Is there a phreatic profile? | | Y/N |
| Maximum height | (H _{wmax}) | m |
| Minimum height | (H _{wmin}) | m |

SEISMIC LOAD CONDITION

| | |
|-------------------------------------|--|
| Horizontal acceleration coefficient | |
| Vertical acceleration coefficient | |

SOIL PROPERTIES

| Layer | STRUCTURAL | BACKFILL | FOUNDATION SOIL | | | IN-SITU SOIL | | | |
|---|----------------|----------------|-----------------|----|----|--------------|-----|-----|-------------------|
| | S _s | S _b | f1 | f2 | f3 | S1 | S2 | S3 | |
| Soil description | | | | | | | | | |
| Soil unit weight (γ) | | | | | | | | | kN/m ³ |
| Internal friction angle (φ) | | | | | | | | | ° |
| Cohesion (c) | | | | | | | | | kN/m ² |
| Pore water pressure (R _u) | | | | | | | | | |
| Layer thickness (h) | N/A | N/A | | | | | | | m |
| Allowable bearing capacity | N/A | N/A | | | | N/A | N/A | N/A | kN/m ² |
| Slope angle stretch 1 (α ₁) | | ° | | | | | | | |
| Horizontal length stretch 1 (L ₁) | | m | | | | | | | |
| Slope angle stretch 2 (α ₂) | | ° | | | | | | | |
| Horizontal length stretch 2 (L ₂) | | m | | | | | | | |

CONCENTRATED LOADS

| | | 1 | 2 | |
|----------------------------|-----|---|---|------|
| Line load | (Q) | | | kN/m |
| Offset line load | (X) | | | m |
| Point load | (Q) | | | kN |
| Offset point load | (X) | | | m |
| Repeated point load | (Q) | | | kN |
| Offset repeated point load | (X) | | | m |

UNIFORM LOADS

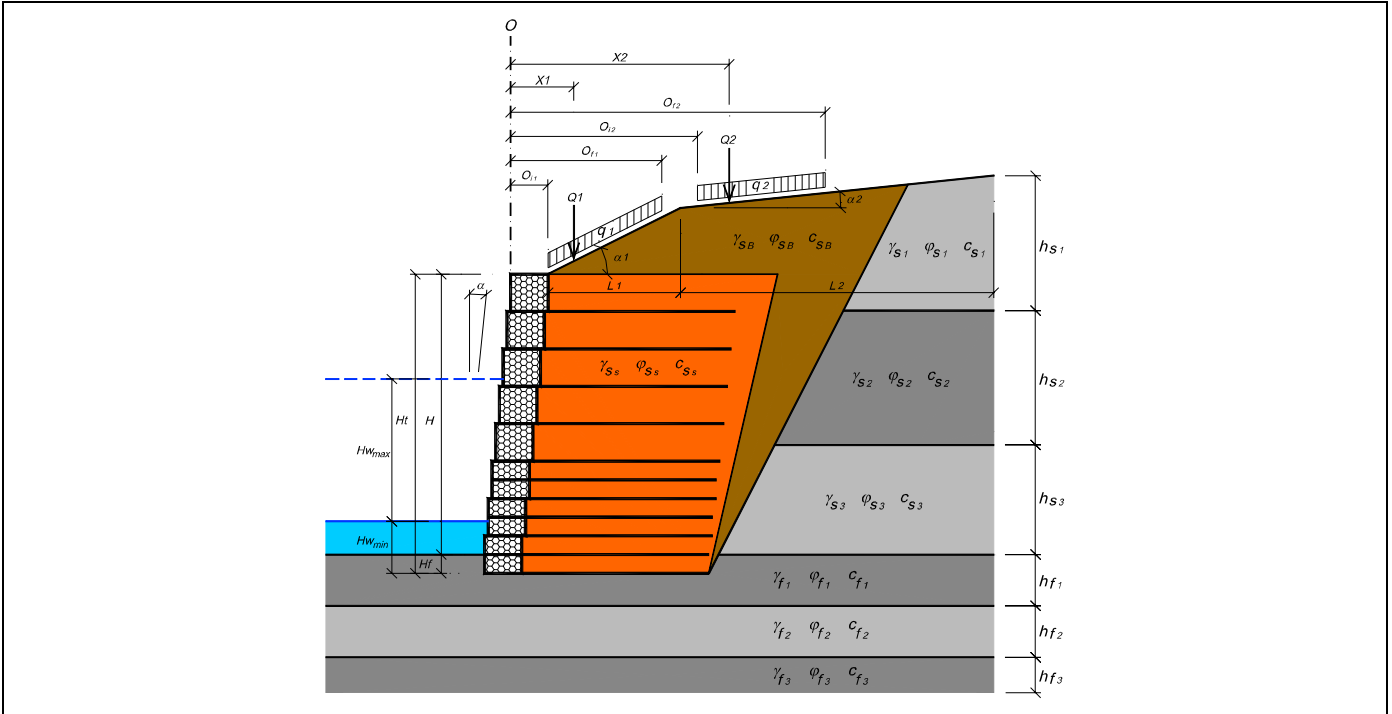
| | | 1 | 2 | |
|----------------------------------|--|---|---|-------------------|
| Distributed load (q) | | | | kN/m ² |
| Inclination | | | | ° |
| Initial offset (O _i) | | | | m |

| | | | | | | | | |
|-------------------|--|--|---|-----------------------------------|--|--|--|---|
| Final offset (Of) | | | m | Repeated point load long. spacing | | | | m |
|-------------------|--|--|---|-----------------------------------|--|--|--|---|

SAFETY FACTORS

| Global Stability | | Sliding | | Overturning | | Bearing Capacity | |
|------------------|------------|---------|------------|-------------|------------|------------------|------------|
| Seismic | No seismic | Seismic | No seismic | Seismic | No seismic | Seismic | No seismic |
| | | | | | | | |

TYPICAL SECTION



PROJECT DESCRIPTION

(*) MACCAFERRI SUGGESTIONS (AREA MANAGER)

(*) ADDITIONAL INFORMATION

| Section to be calculated | Section to be drawn | Only drawing without calculation | Maccaferri specs for drawings | Drawing template | Plan | Elevation | Bill of quantities |
|--------------------------|--------------------------|---|---|---|---|---|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |

| | |
|---------------------|-------------------|
| Attachments: | File name: |
| Photos | |
| Site Investigations | |

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Drawings

NOTES: (*) For Maccaferri use only.

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