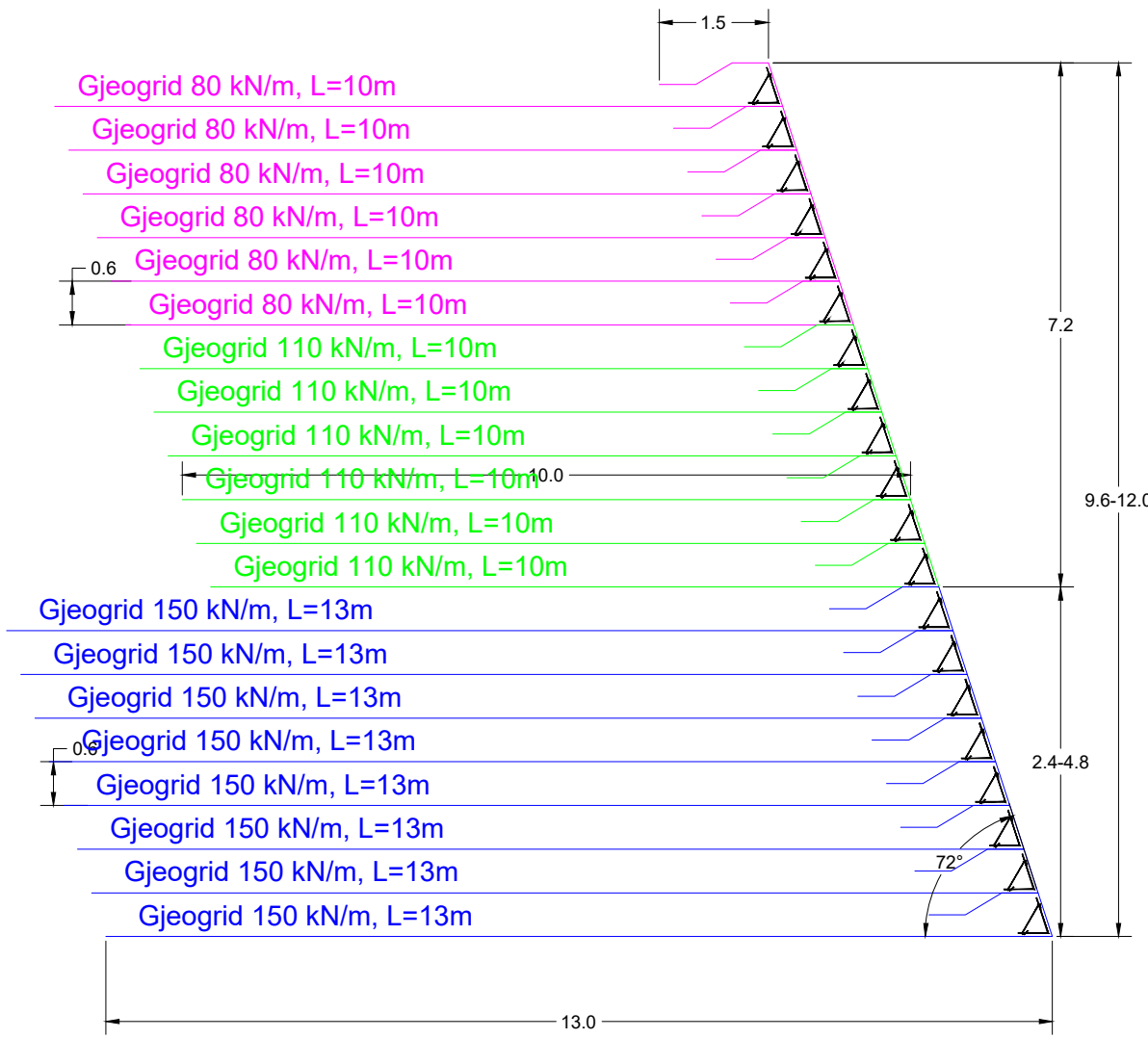
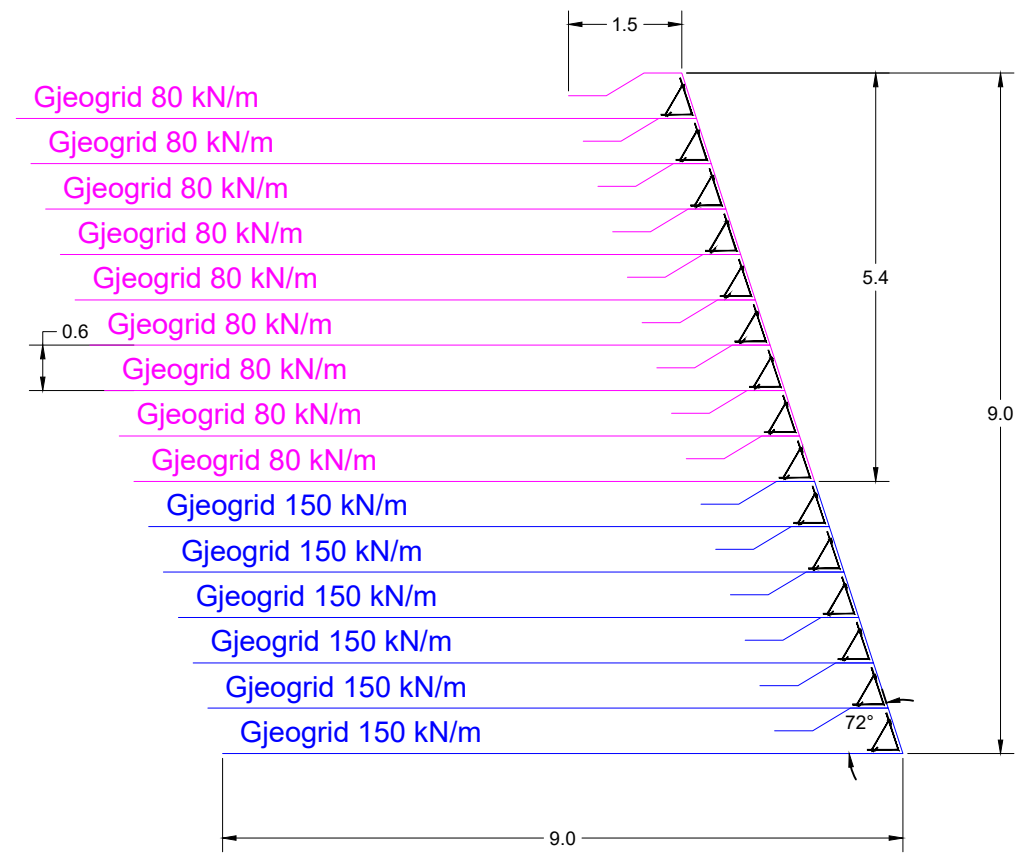


H=9.6-12.0m



H=9.0m



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JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



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 dalje Elbasan-Prenjas-Qafe Thane", (Faza VII) /
 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

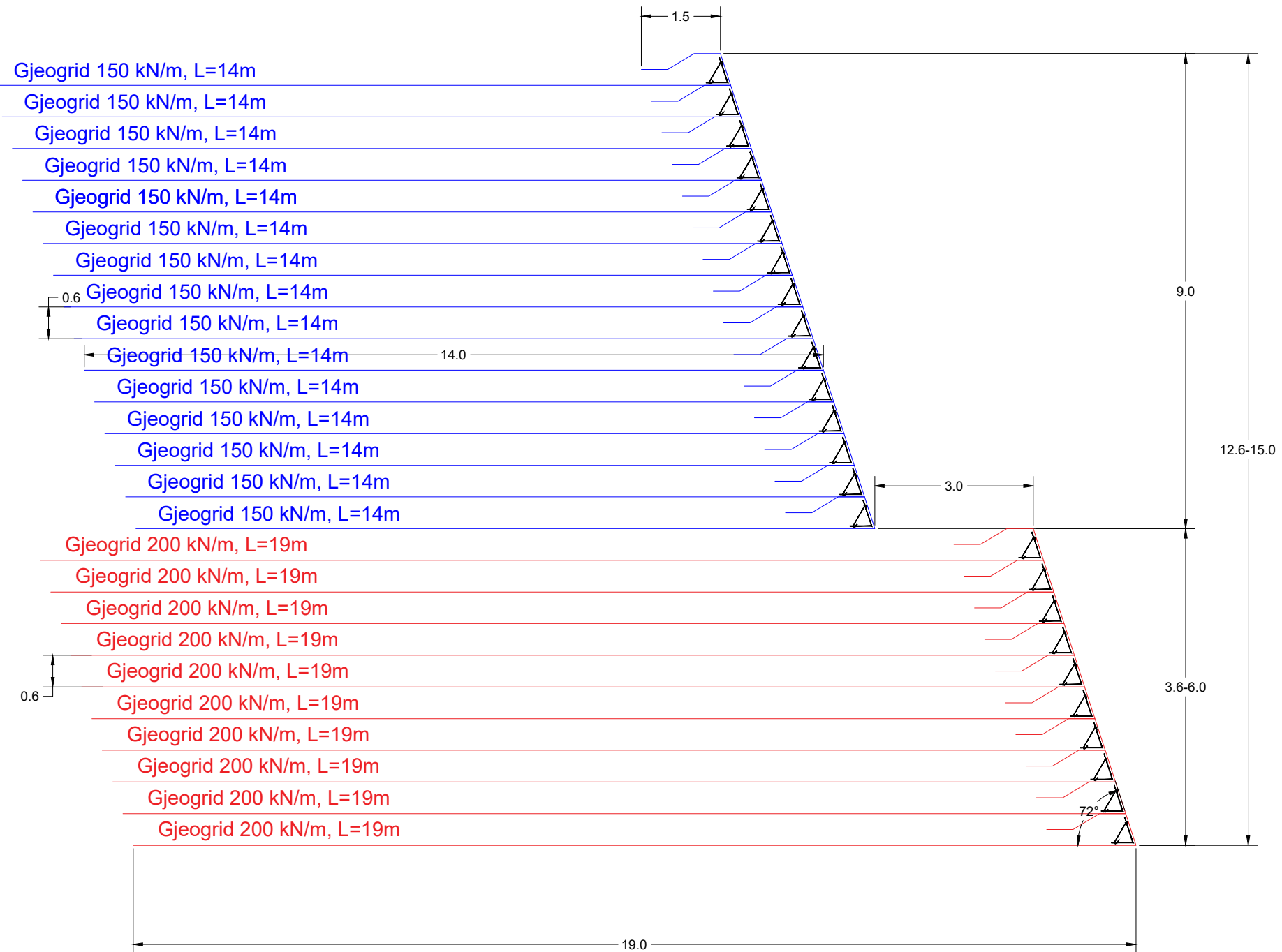
SHKALLA SCALE 1:100 Date: Tiranë, 2023

VIZATIMI Nr: I(f). 1
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

H=12.6-15.0m



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 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

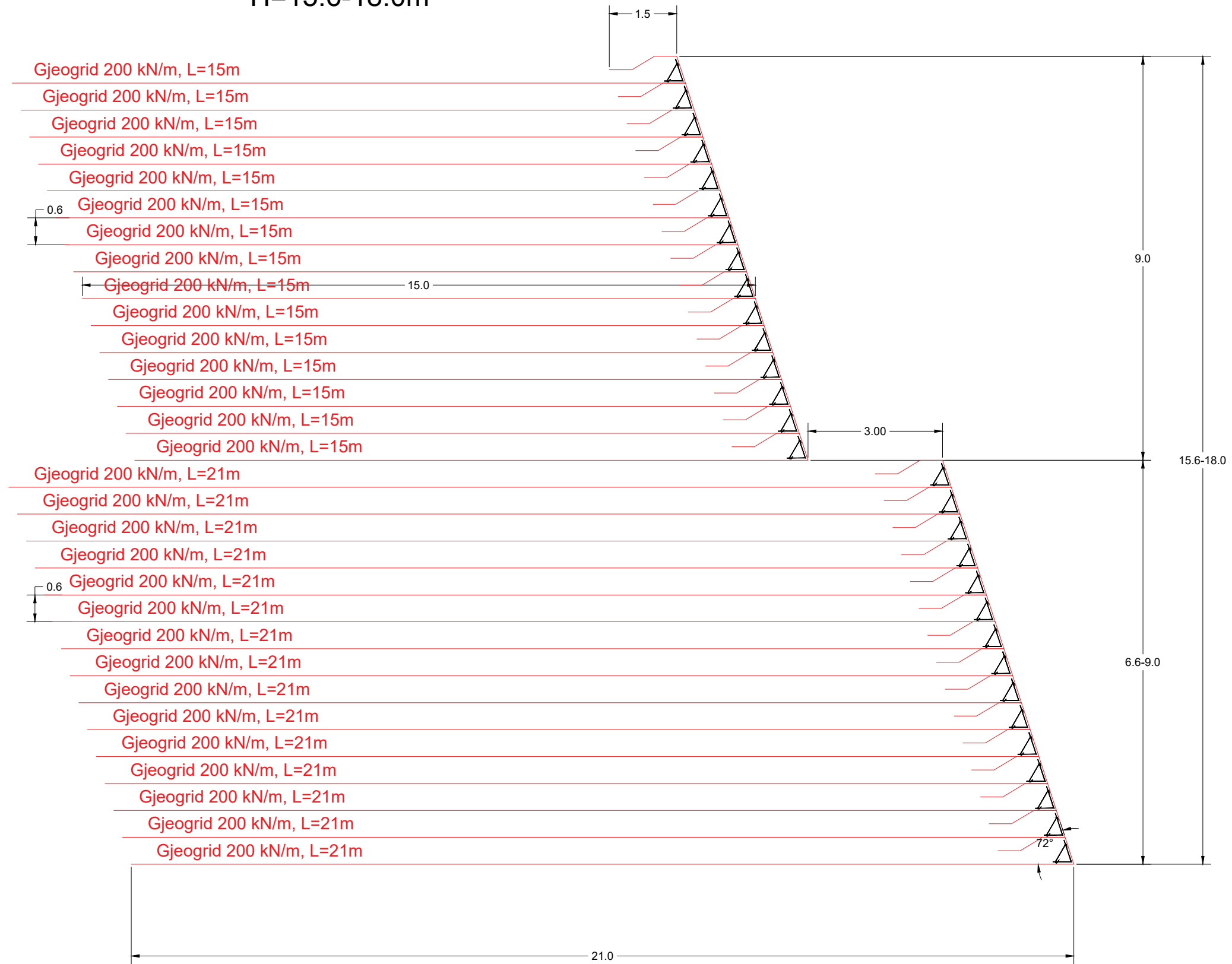
SHKALLA SCALE 1:100 Date: Tiranë, 2023

VIZATIMI Nr: 1(f). 2
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

H=15.6-18.0m



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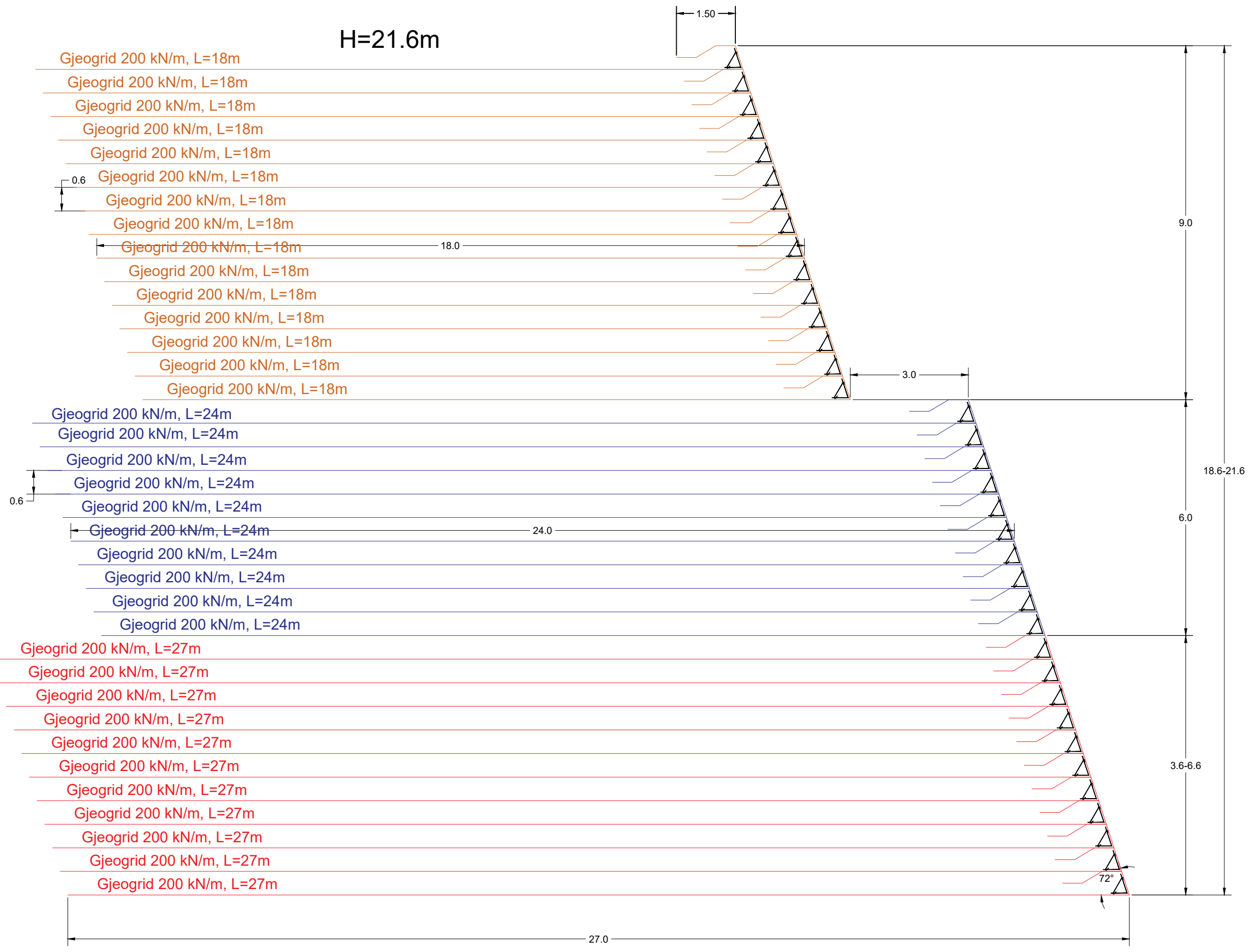
Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:100 Date: Tiranë, 2023
 VIZATIMI Nr: 1(f). 3
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA



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 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

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 PHASE - DETAIL DESIGN

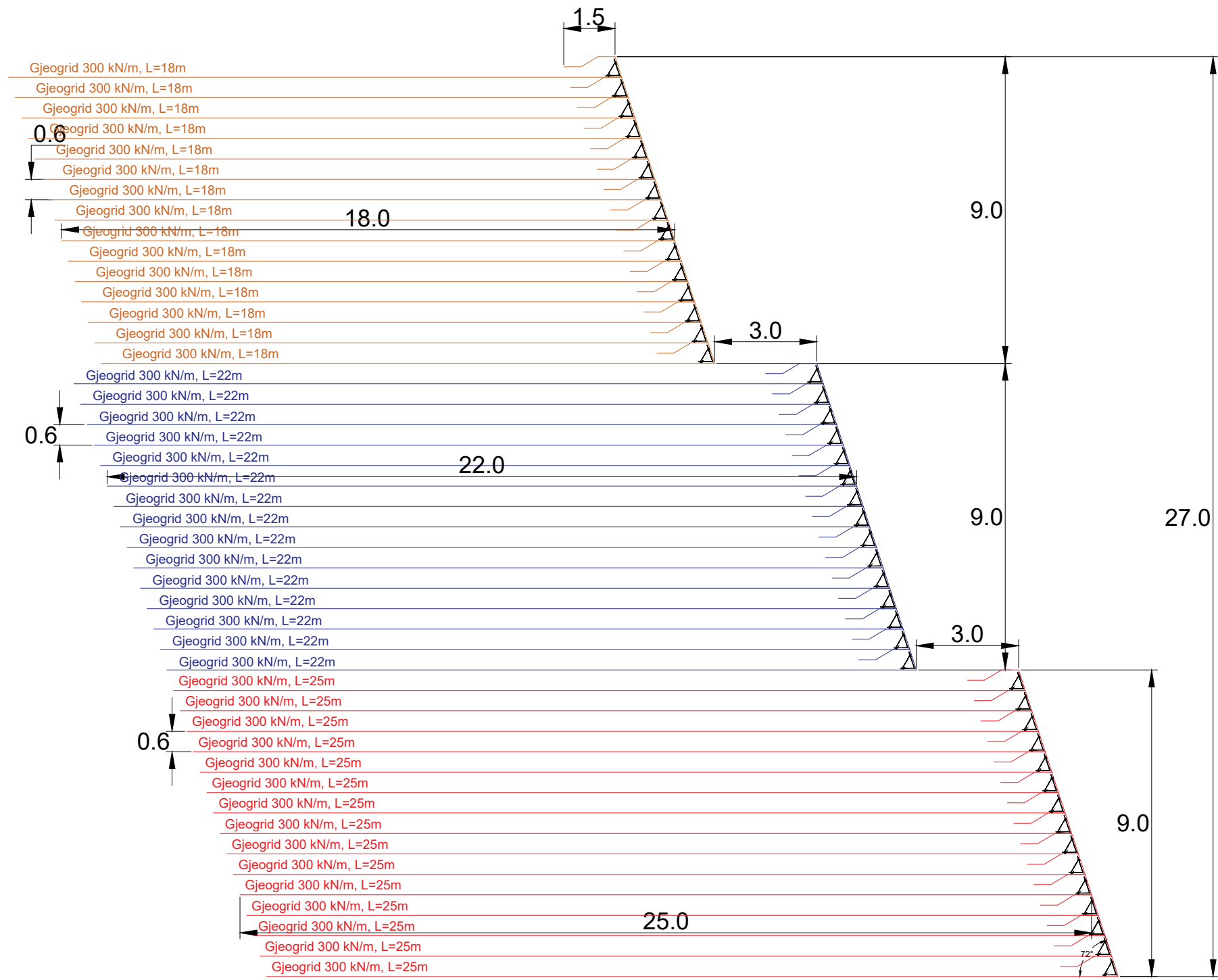
SHKALLA SCALE 1:100 Date: Tiranë, 2023

VIZATIMI Nr: I(f). 4
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

H=27.0m



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 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

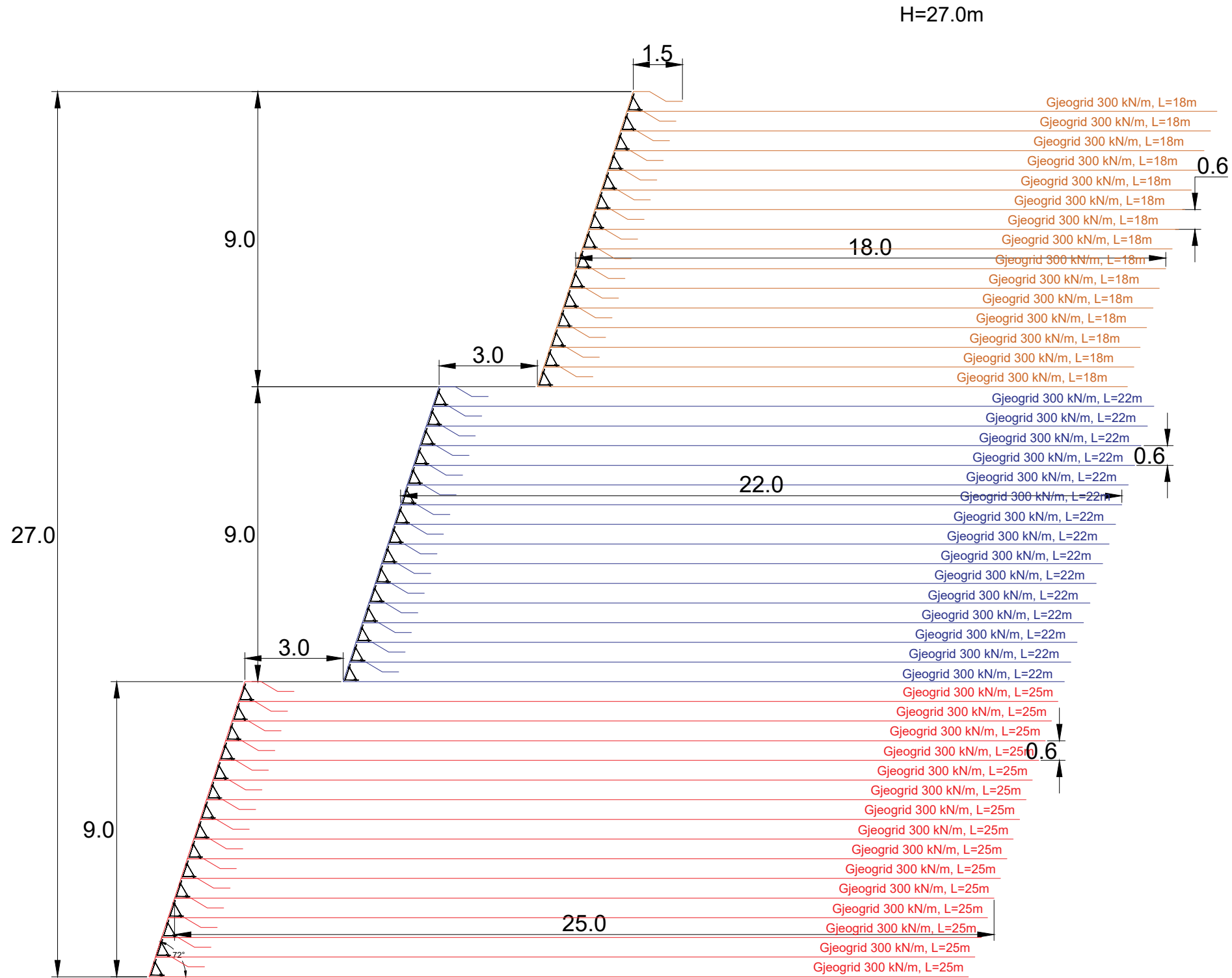
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:150 Date: Tiranë, 2023

VIZATIMI Nr: 1(f). 5
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA



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 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

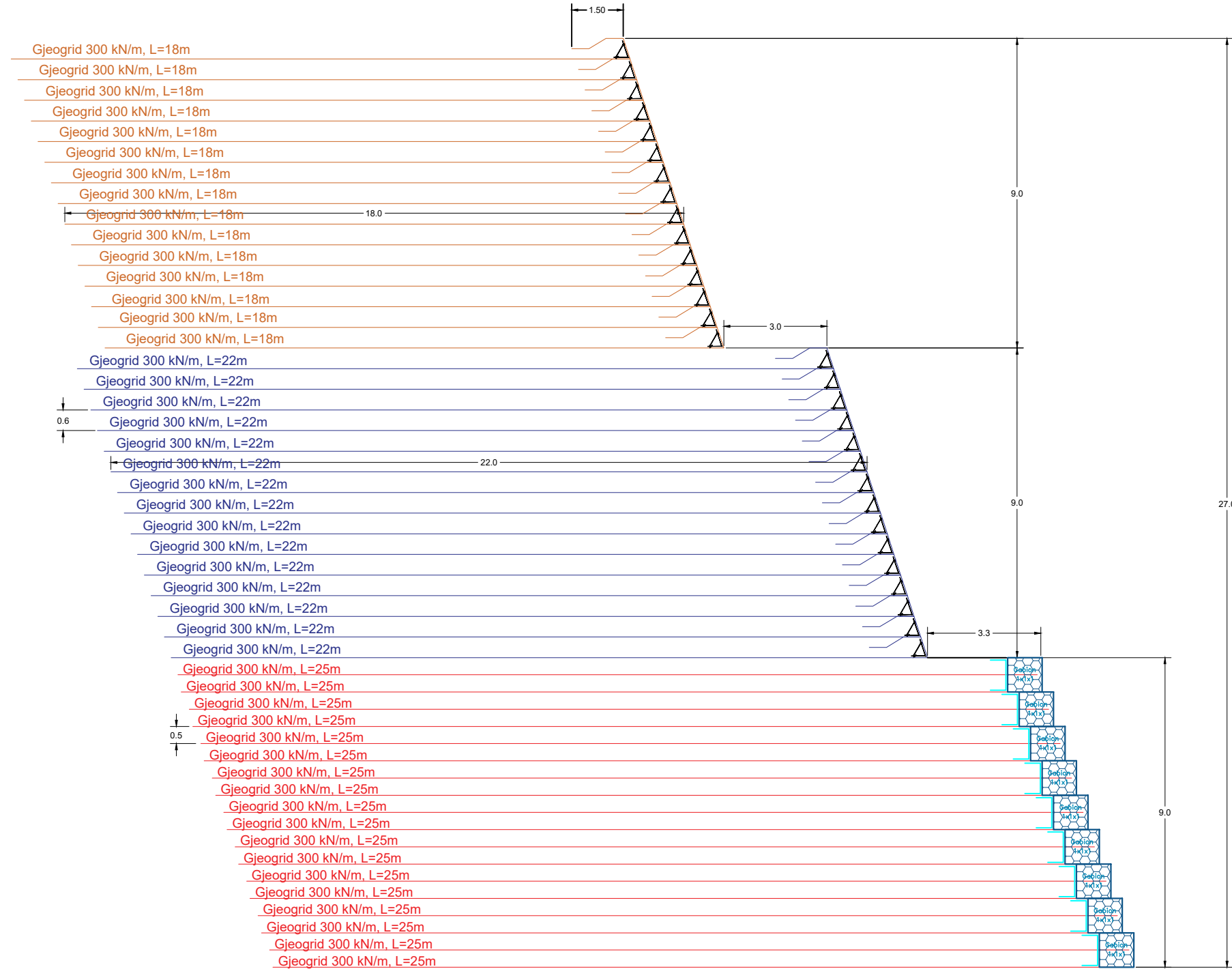
SHKALLA
 SCALE 1:150
 VIZATIMI Nr:
 PAGE No: 1(f). 6

Date: Tiranë, 2023

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

H=27.0m



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 "Design Study of road segment exit
 Elbasan-Prrerjas-Qafe Thane" (Phase VII)

Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

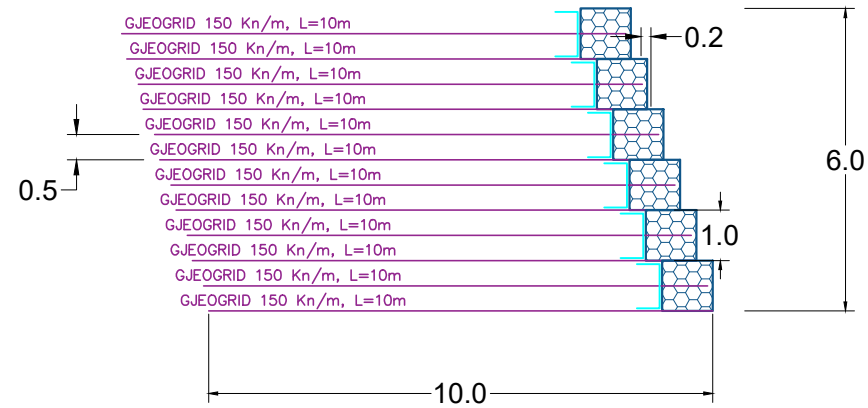
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VIZATIMI Nr: 1(f). 7
 PAGE No:

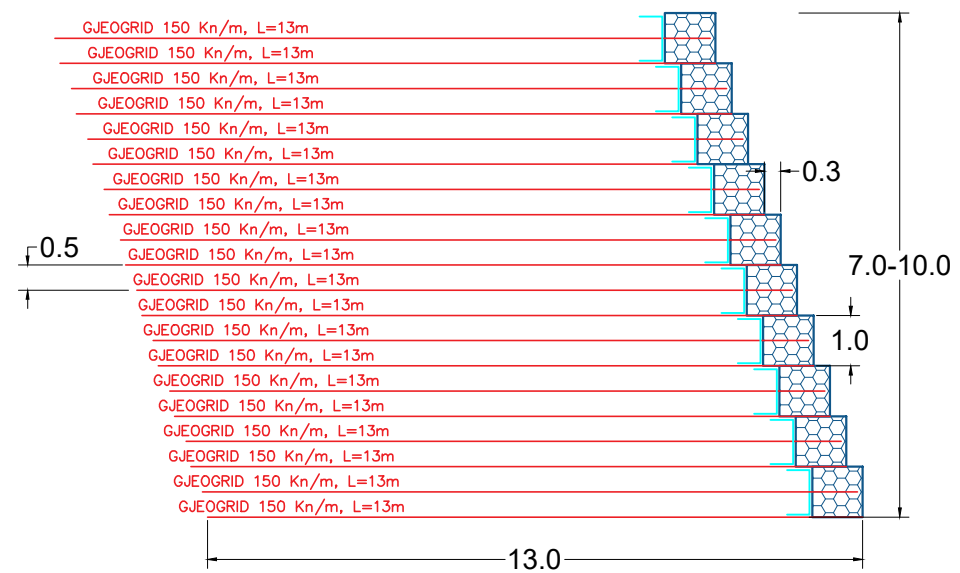
PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

Mur me toke te armuar me faqe Gabion/
Reinforced soil wall with Gabion Face
H=6.0m



Mur me toke te armuar me faqe Gabion/
Reinforced soil wall with Gabion Face
H=7.0-10.0m



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"Design Study of road segment exit
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Detaje Gjeogride /
Geogrid Details

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

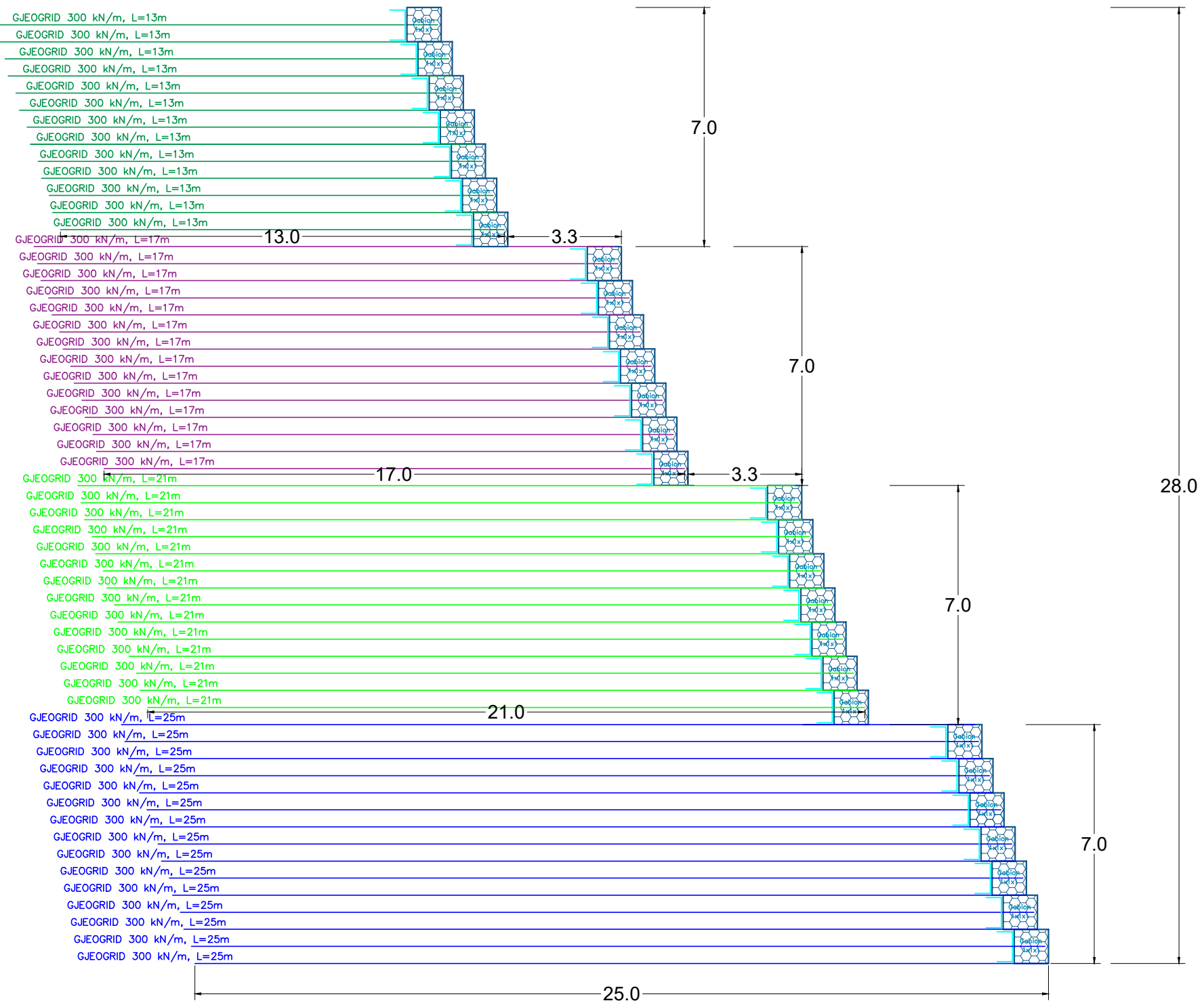
SHKALLA SCALE 1:150 Date: Tiranë, 2023

VIZATIMI Nr: I(f). 8
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Orgest MERTIKA

Mur me toke te armuar me faqe Gabion/ Reinforced soil wall with Gabion Face
 H=28.0m



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 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase VII)

Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:150
 VIZATIMI Nr:
 PAGE No: 1(f). 9

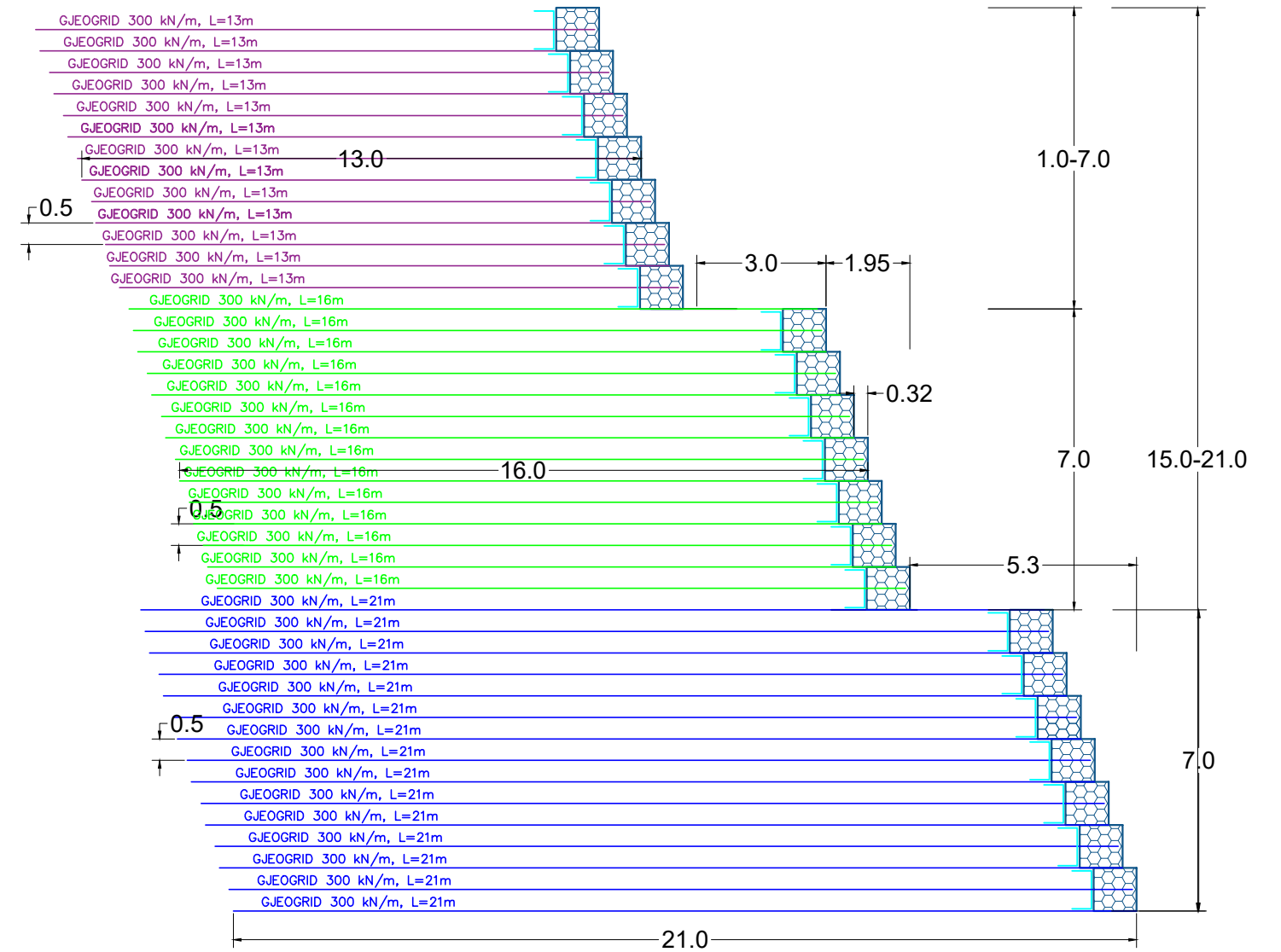
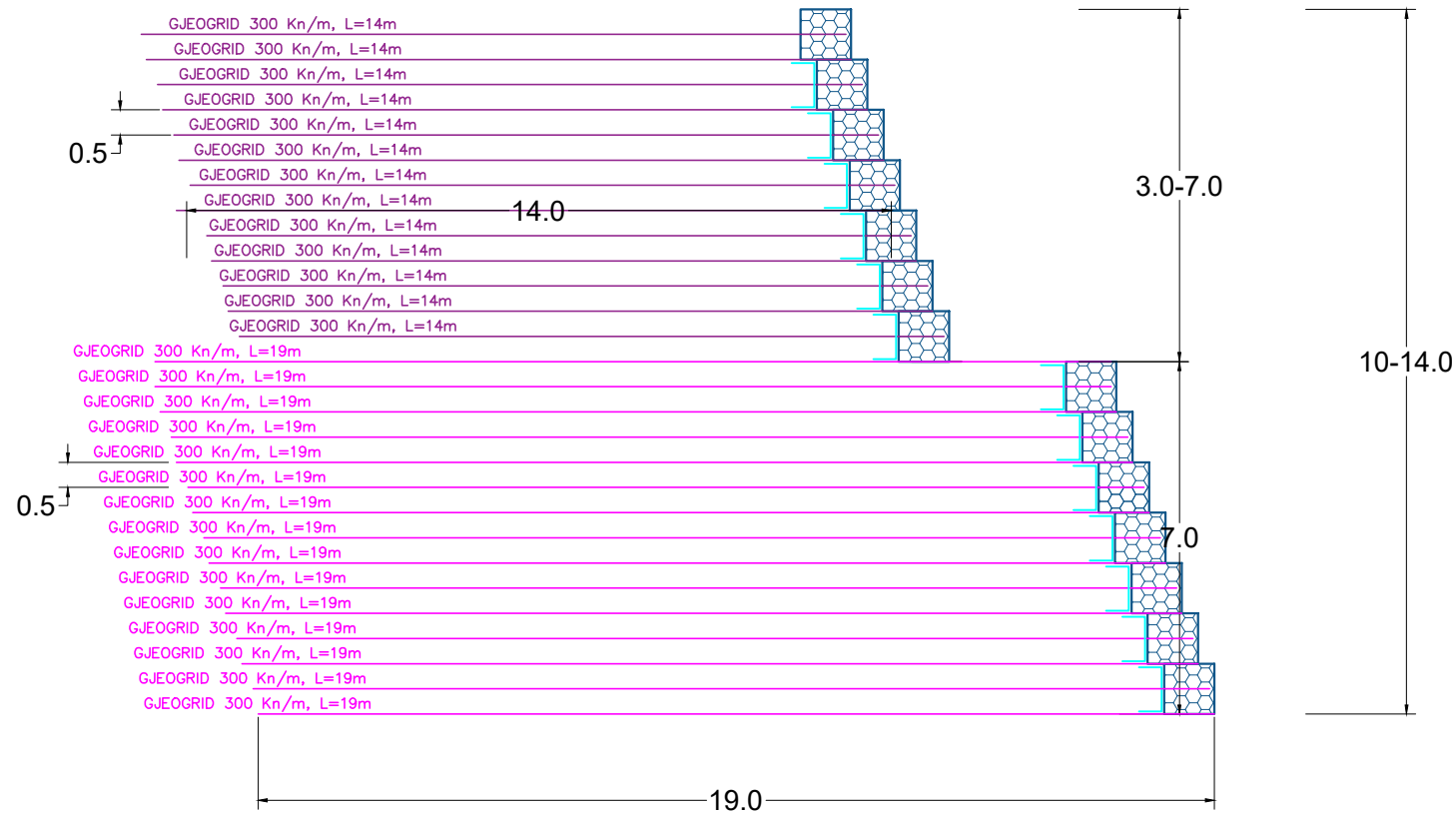
Date: Tiranë, 2023

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA

Mur me toke te armuar me faqe Gabion/ Reinforced soil wall with Gabion Face
H=15.0-21.0m

Mur me toke te armuar me faqe Gabion/
Reinforced soil wall with Gabion Face
H=10.0-14.0m



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"Design Study of road segment exit
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Detaje Gjeogride /
Geogrid Details

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:150 Date: Tiranë, 2023

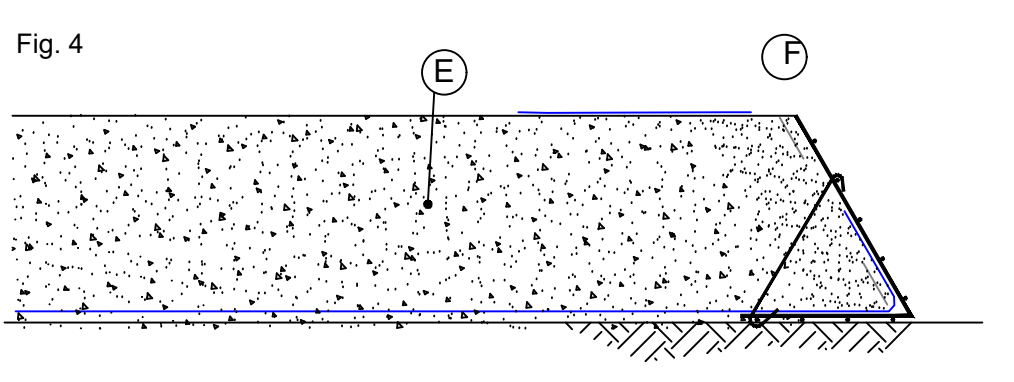
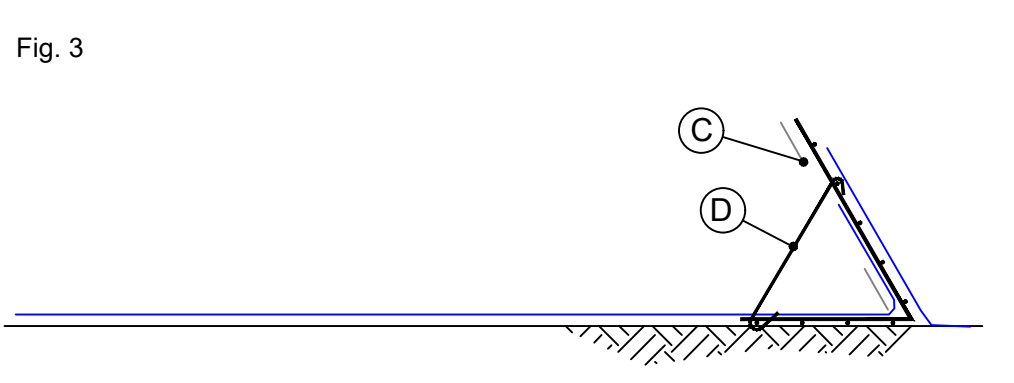
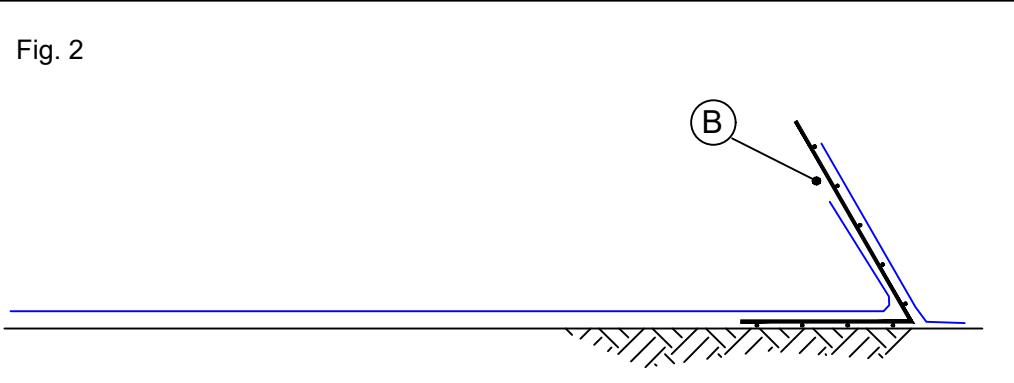
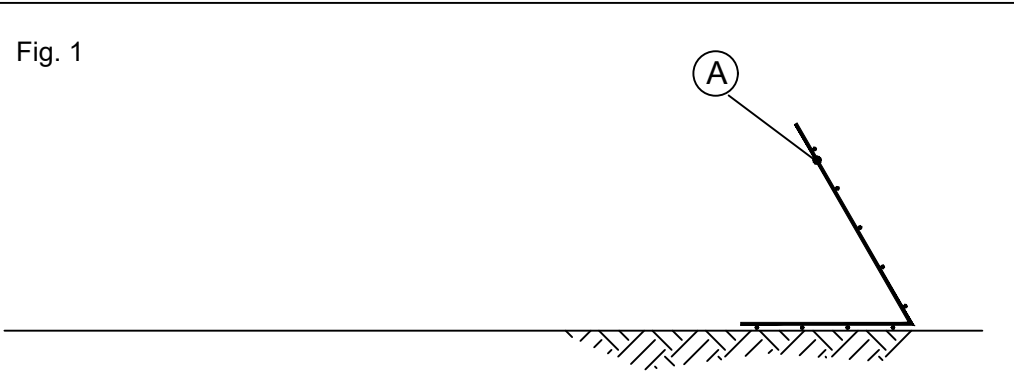
VIZATIMI Nr: I(f). 10
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

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Ing./Eng. Redi STRUGA
Ing./Eng. Orgest MERTIKA

CONSTRUCTION SEQUENCE

DETAIL "A" DETAJI "A"

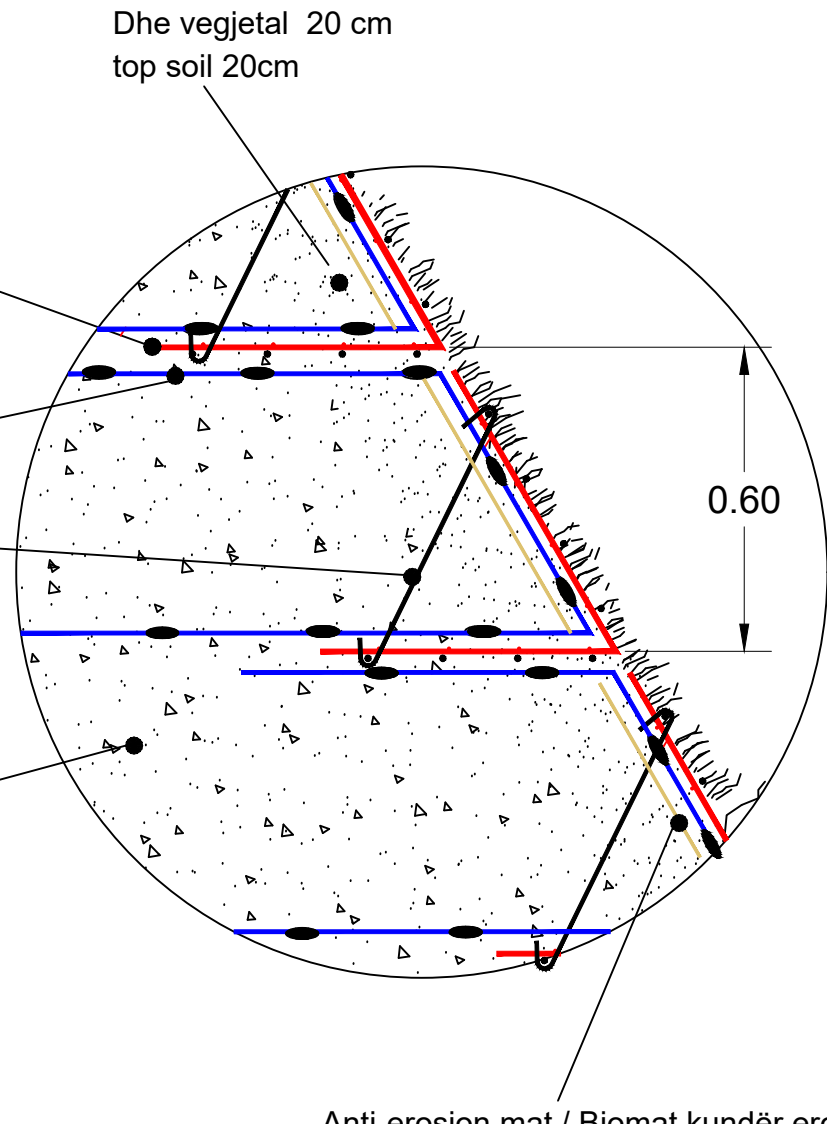


kallëp rrjete celiku e salduar
welded wire steel mesh formwork
(150 mm x 150 mm, d=8mm)

HDPE extruded geogrid
zgjatimi i gjeogridit HDPE

hook/cengel (d=8 mm)/45cm

fill material/material mbushes



Anti-erosion mat / Biomat kundër erozionit

Installation procedure:

- 1: Level and compact the subgrade. Line the steel mesh formwork with an overlap of 100 mm.
- 2: Lay down the HDPE extruded geogrid (B).
- 3: lay down the biomat (C), fixing of the steel hooks (D).
- 4: Lay and spread the soil over the geogrid in layers of about 300 mm. Smooth and compact the soil by using a vibrating plate roller near the front of the slope (within 1.00 m) and by a suitable roller compactor more than 1.00 m away from the face. Vegetal soil (200 mm) should be used at the face to allow fast grass growth.

At the end of the work, the face should be hydroseeded.

Procedura e vendosjes:

- 1: Niveloni dhe kompaktoni nënshtresën. Lini kallëpet e rrjetës së çelikut me një mbivendosje prej 100 mm.
- 2: Vendosni gjeogridin HDPE (B).
- 3: shtrini biomat (C), fiksimin e grepave të çelikut (D).
- 4: Shtroni dhe shpërndani mbushjen mbi gjeogrid në shtresa rreth 300 mm. Lëmoni dhe ngjishni mbushjen duke përdorur një rul pllake vibruese pranë pjesës së përparme të skarpates (brenda 1.00 m) dhe me një kompaktor të përshtatshëm me rul më shumë se 1.00 m larg nga faqja. Toka vegjetale (200 mm) duhet të përdoret në fasadë për të lejuar rritjen e shpejtë të barit.

Në fund të punës, fasada duhet të mbillet me fare bari.

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InfraKonsult
konsultance inzhinierie

HMK-CONSULTING SH.P.K
Konsultance-Projektim-Haiqkarrë

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

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Detaje Gjeogride /
Geogrid Details

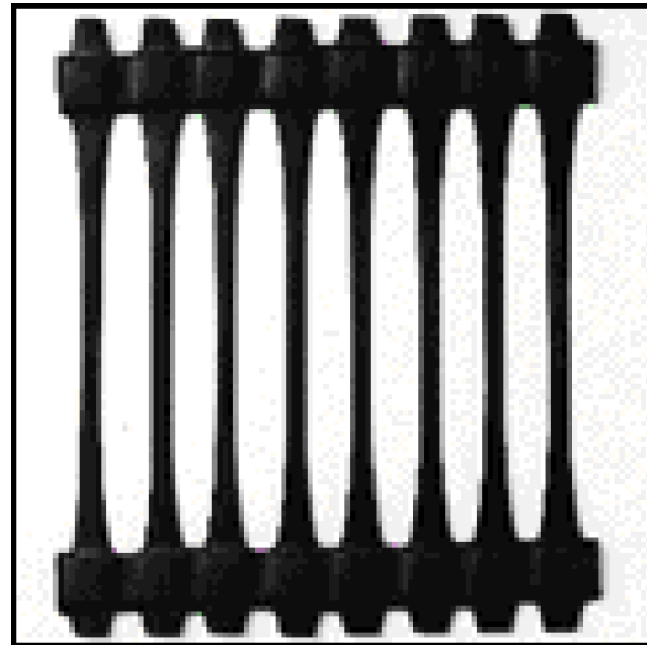
FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:50 Date: Tiranë, 2023

VIZATIMI Nr: I(f). 11
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

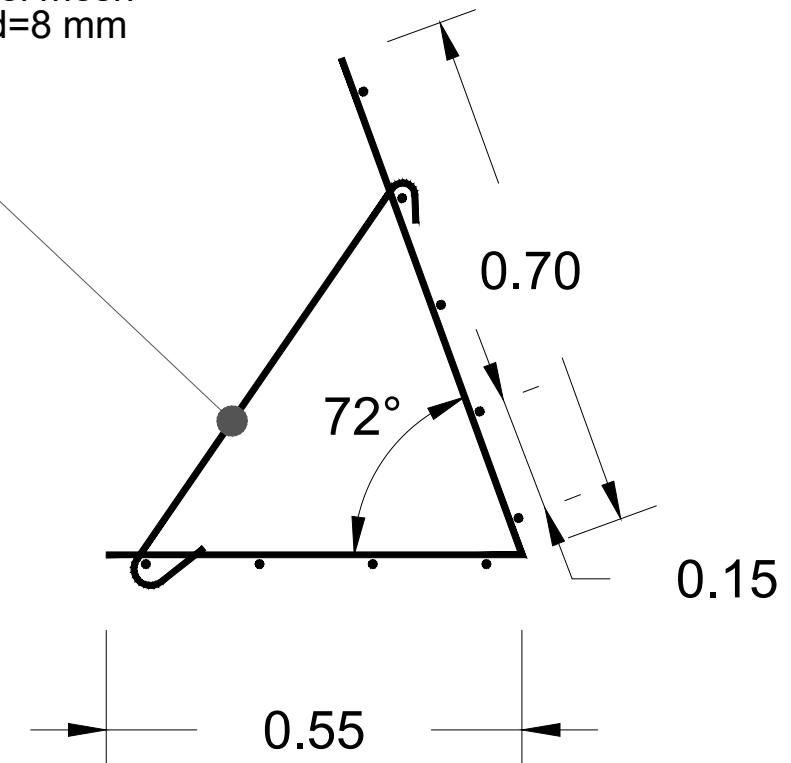
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Ing./Eng. Redi STRUGA
Ing./Eng. Orgest MERTIKA



DETAILS OF THE STEEL MESH FORMWORK
 DETAJI I RRJETES TE SALDUAR TE CELIKUT
 Shkalla/Scale 1:10

Welded wire steel mesh
 150 x 150 mm, d=8 mm

steel hook
 Cengel celiku
 d=8 mm/45cm



The geogrid shall comply in full with the following specification:

- Quality Control: The geogrid shall be manufactured in accordance with the Quality Assurance requirements ISO 9002:94.
- Polymer: High Density Polyethylene.
- Standard colour: black.
- U.V. protection: carbon black.

Gjeogridi duhet të përputhet plotësisht me specifikimet e mëposhtme:

- Kontrolli i cilësisë: Gjeogridi do të prodhohet në përputhje me kërkesat e Sigurimit të Cilësisë ISO 9002:94.
- Polimer: Polietileni me densitet të lartë.
- Ngjyra standarde: e zezë.
- U.V. mbrojtja: karboni i zi.



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 "Design Study of road segment exit
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Detaje Gjeogride /
 Geogrid Details

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:50 Date: Tiranë, 2023

VIZATIMI Nr: I(f). 12
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

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 Ing./Eng. Redi STRUGA
 Ing./Eng. Orgest MERTIKA