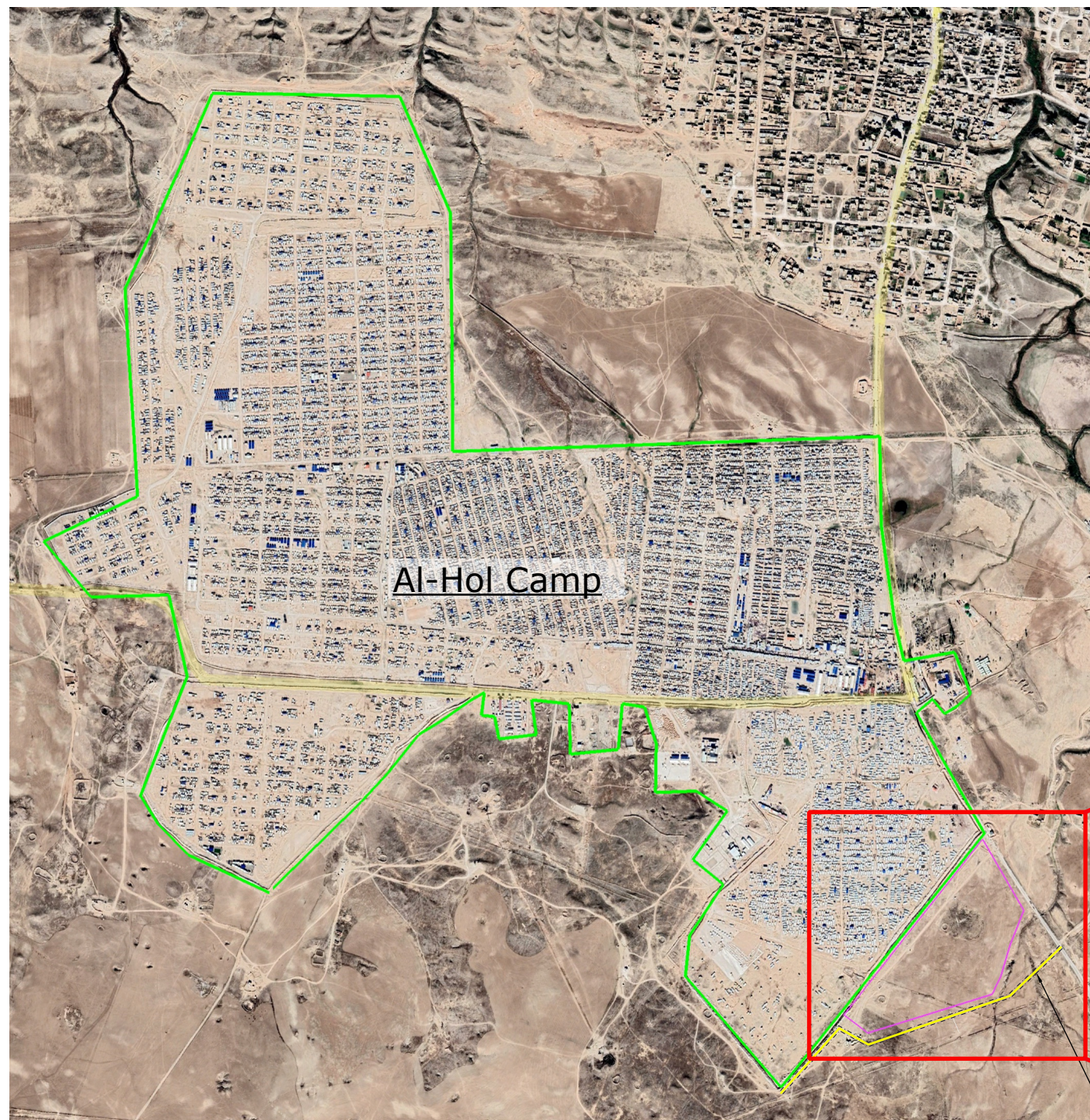
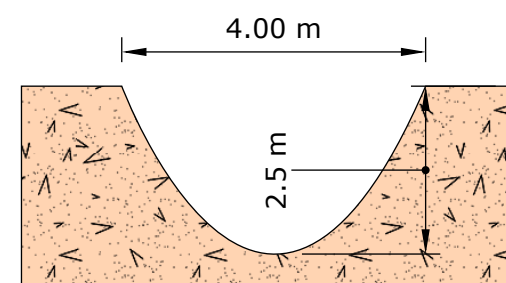
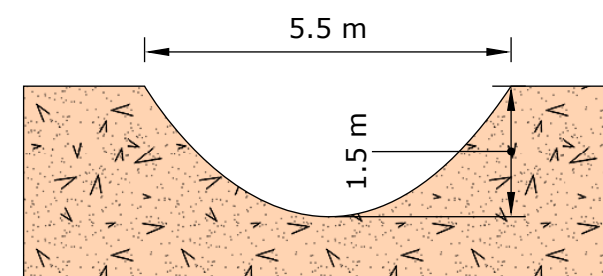




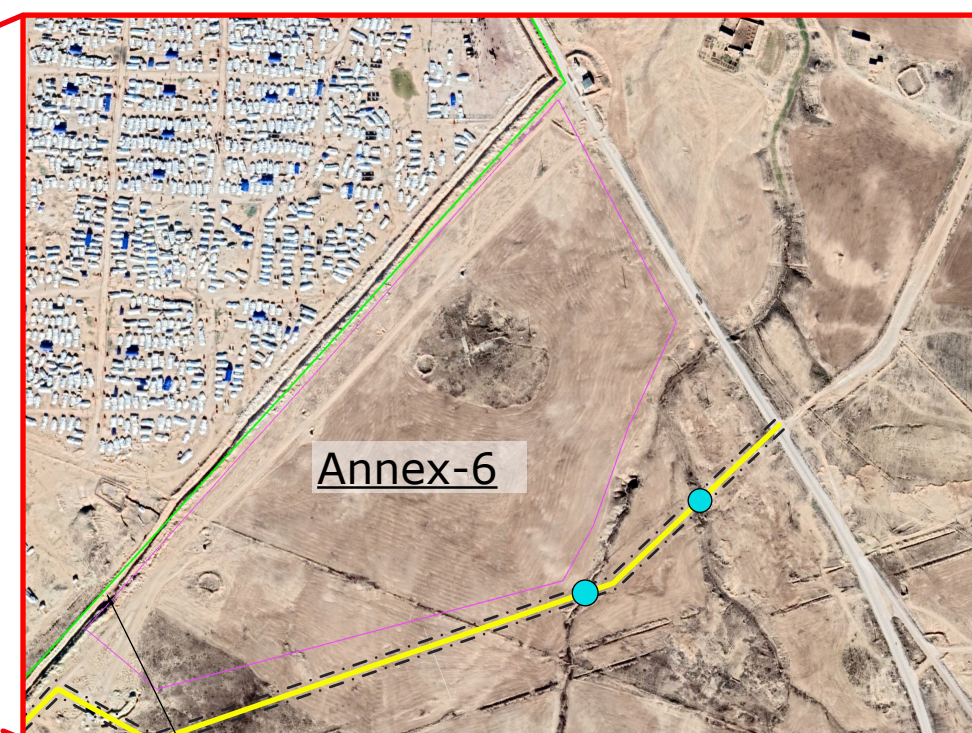
Al-Hol Camp



SITE PROFILE 1
CULVERT 01



SITE PROFILE 2
CULVERT 02



Annex-6

• New outer road.

• Water pass / culvert location



D1 SITE PLAN OF OUTER ROAD
NOT TO SCALE

BLUMONT INC.

Blueprint title: Outer road culvert details

Sheet number: 0

Sheet title: Site plan

Designed by: Omar Ali Rafeek

Approved by: Ibrahim A. Ahmed

Date: 15 Mar 2023

14.20

* All Dimensions are flexible ($\pm 25\%$) to fit the actual-ground properties.

10.20 m

2.0 m

4.0 m

D2 CULVERT DESIGN OVERVIEW
1:70

2.00 m

0.15 m

1.00 m

• Subbase
Compacted with 20 cm layers
With mechanical compactors

• Fine sand 30 cm

• Subbase 15 cm compacted

GL

2.5 m

• Lean concrete 10 cm

• Subbase 15 cm compacted

• Fine sand 40 cm

• Reinforced concrete pipe
Dia 1.0m, Thickness 150mm
Reinforced with 7X $\Phi 8$ mm
Slope of 10%

• Subbase
Compacted with 20 cm layers
With mechanical compactors

• Subbase
Compacted with 20 cm layers
With mechanical compactors

• Fine sand 40 cm

25% height

BLUMONT INC.

Blueprint title: Outer road culvert details

Sheet number: 1

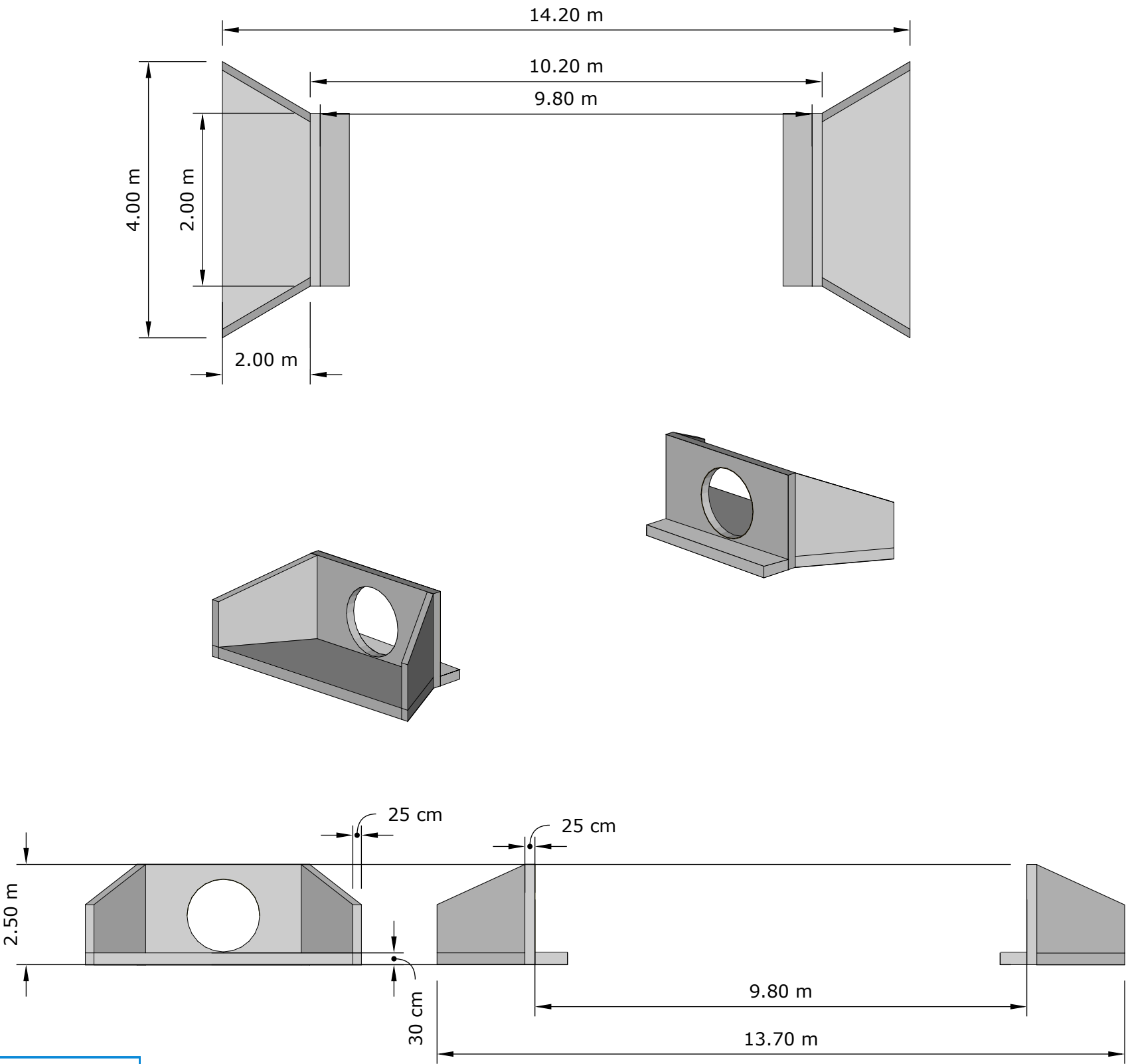
Sheet title: Culvert overview

Designed by: Omar Ali Rafeek

Approved by: Ibrahim A. Ahmed

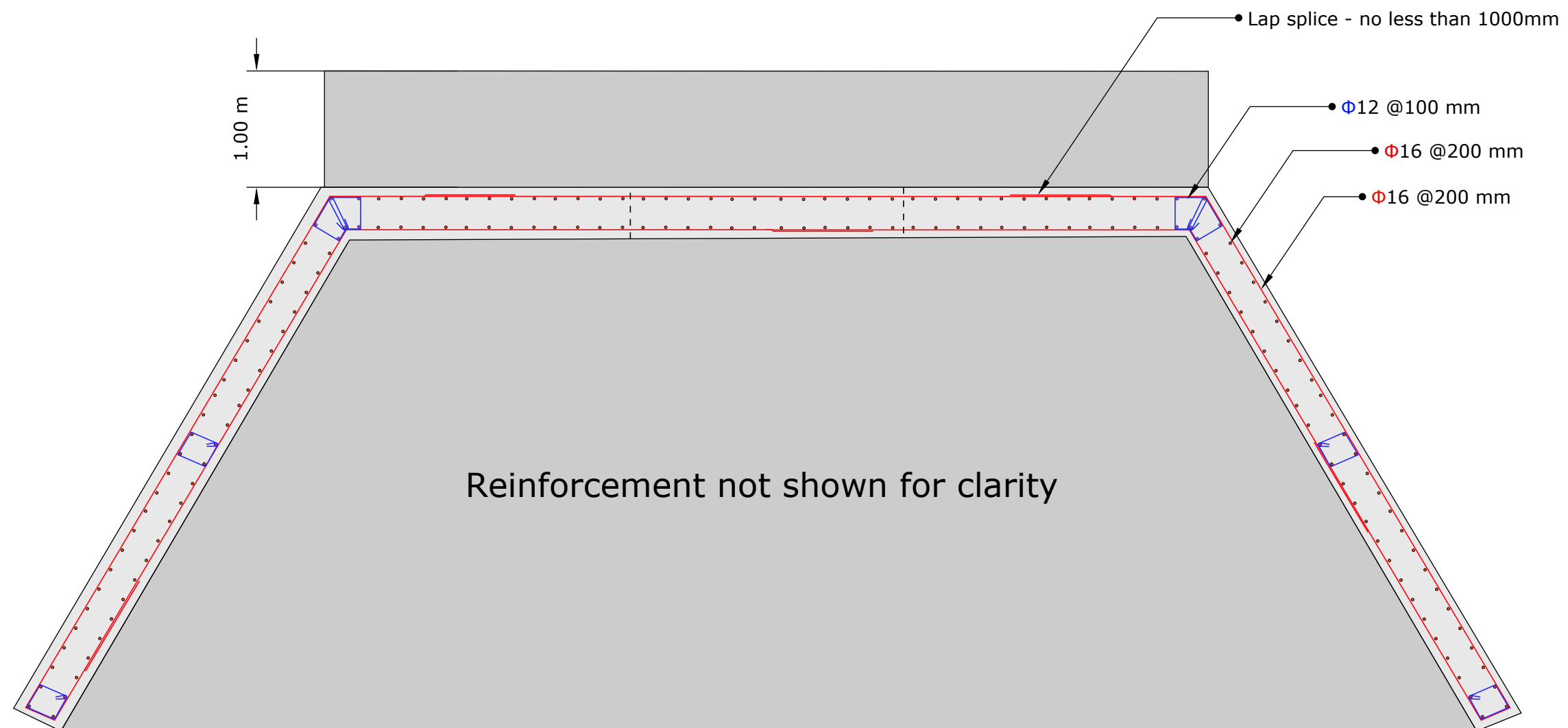
Date: 15 Mar 2023

* All Dimensions are flexible ($\pm 25\%$) to fit the actual-ground properties.



BLUMONT INC.
Blueprint title: Outer road culvert details
Sheet number: 2
Sheet title: Concrete structure plan
Designed by: Omar Ali Rafeek
Approved by: Ibrahim A. Ahmed
Date: 15 Mar 2023

D3 CONCRETE SKELETON
1:100



BLUMONT INC.

Blueprint title: Outer road culvert details

Sheet number: 3

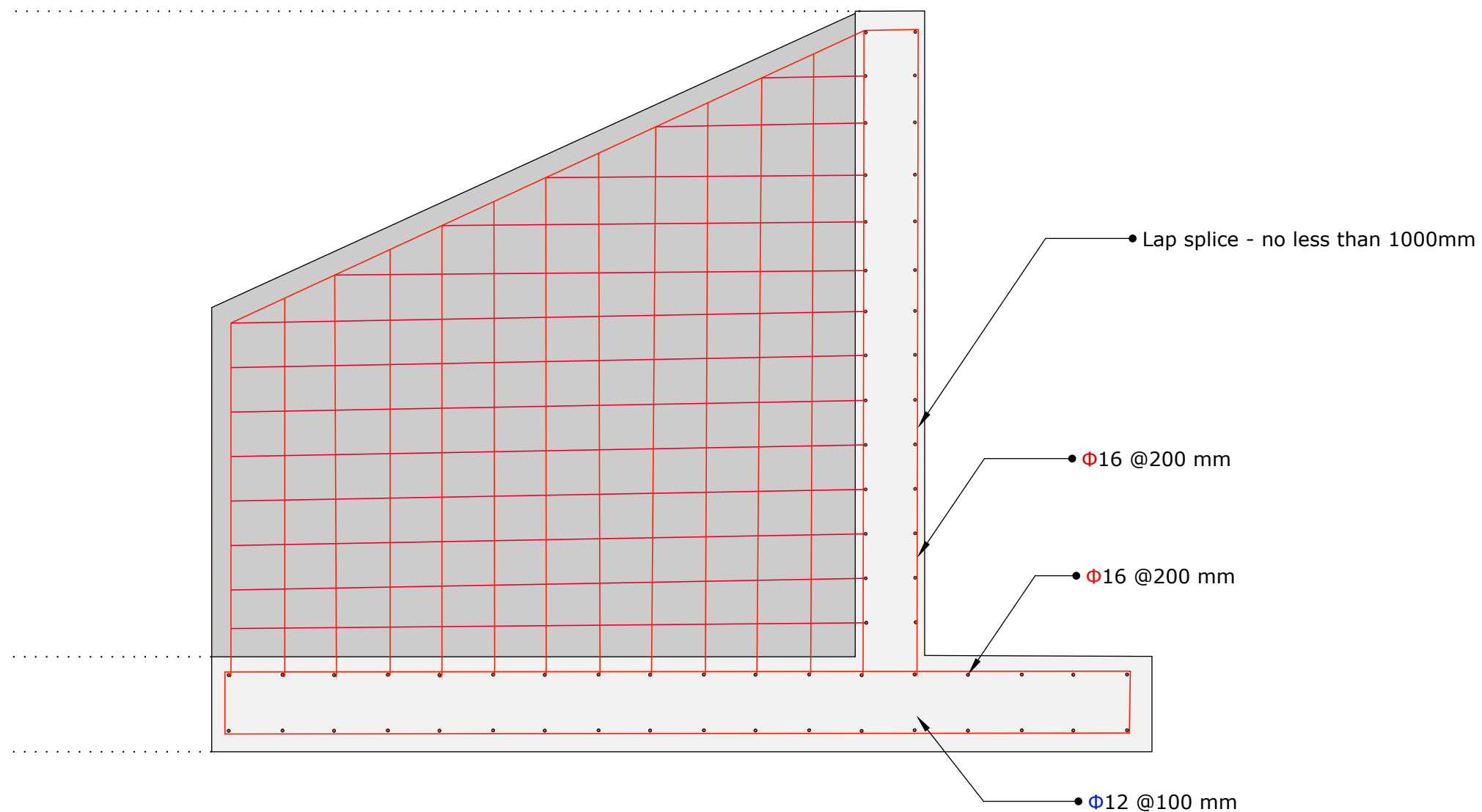
Sheet title: Reinforcement details #1

Designed by: Omar Ali Rafeek

Approved by: Ibrahim A. Ahmed

Date: 15 Mar 2023

D4 REINFORCEMENT DETAILS #1
NOT TO SCALE



BLUMONT INC.

Blueprint title: Outer road culvert details

Sheet number: 4

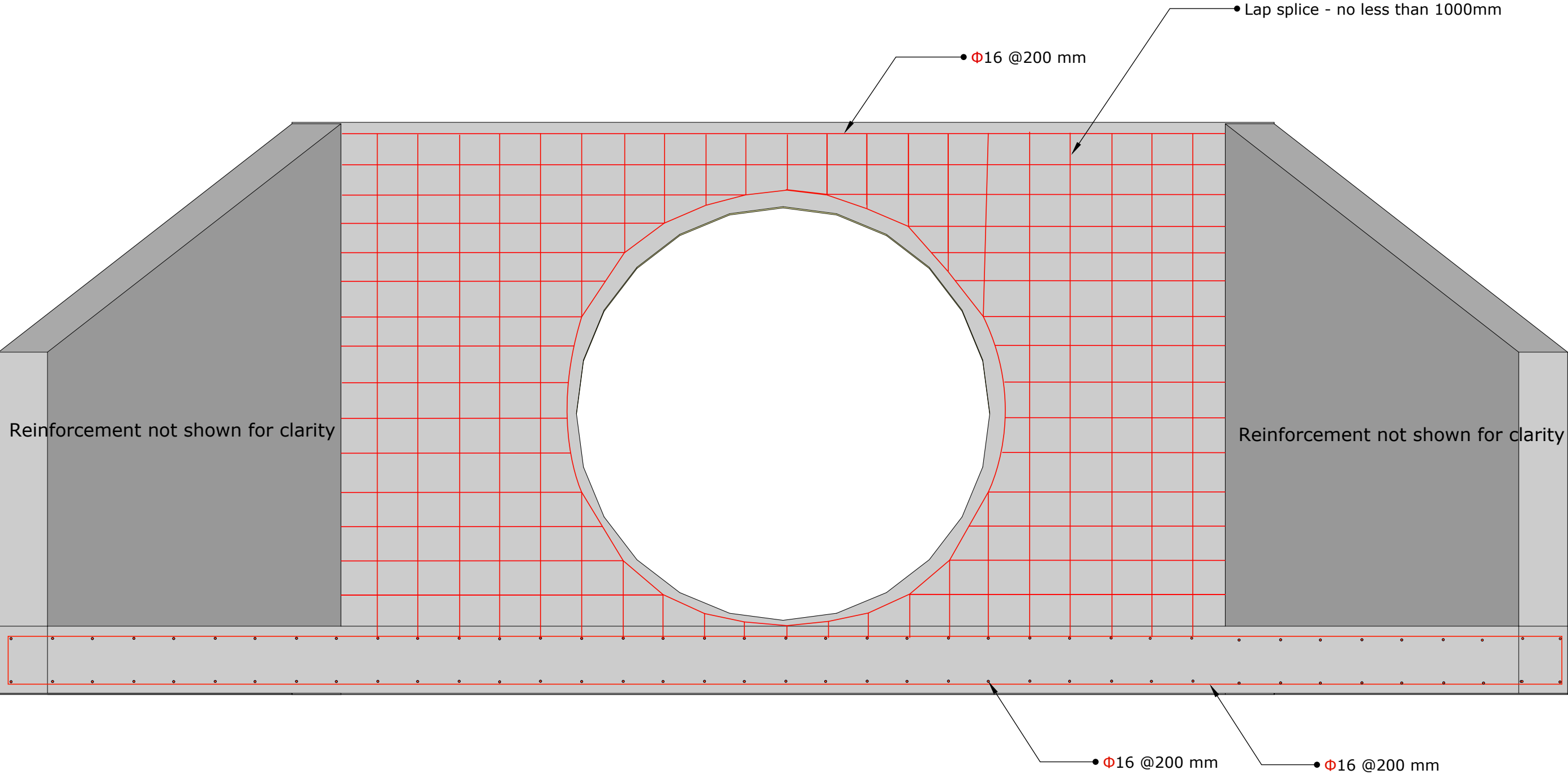
Sheet title: Reinforcement details #2

Designed by: Omar Ali Rafeek

Approved by: Ibrahim A. Ahmed

Date: 15 Mar 2023

D5 REINFORCEMENT DETAILS #2
NOT TO SCALE



D6 REINFORCEMENT DETAILS #3
NOT TO SCALE

BLUMONT INC.	
Blueprint title:	Outer road culvert details
Sheet number:	5
Sheet title:	Reinforcement details #3
Designed by:	Omar Ali Rafeek
Approved by:	Ibrahim A. Ahmed
Date:	15 Mar 2023