

Royal University of Bhutan

Sherubtse College

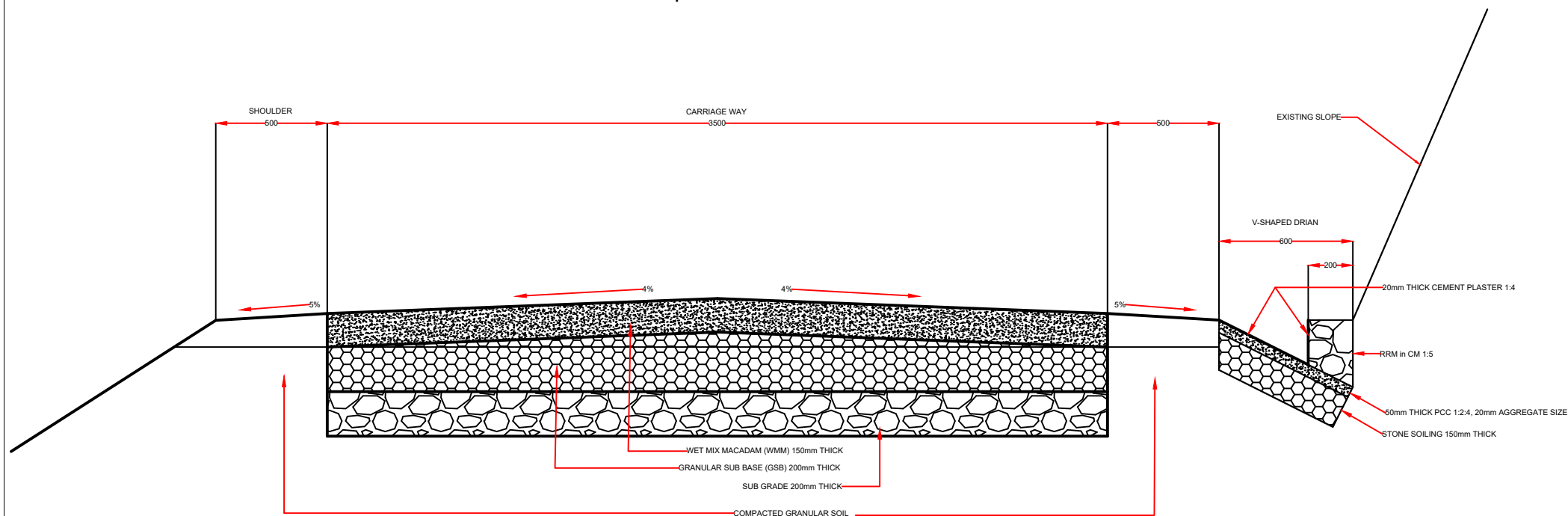
Engineering Cell

Construction of Access Road



GENERAL NOTES

1. All dimension are in "mm".
2. Refer Specification for Building and Road Works (SBRW 2023) and relevant documents as prescribed by Ministry of Infrastructure and Transport.



ENGINEERING CELL
GoI-PTA PROJECT
SHERUBTSE COLLEGE, KANGLUNG
ROYAL UNIVERSITY OF BHUTAN

PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: ACCESS ROAD CROSS SECTION WITH V-SHAPED DRAIN

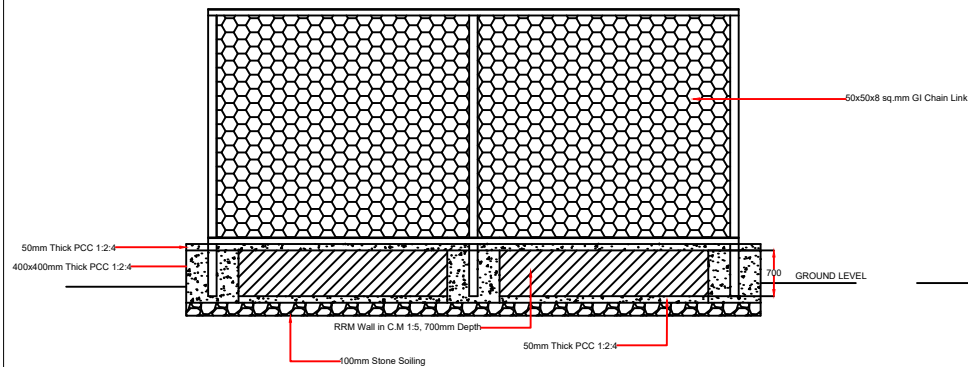
DRAWN BY:
Rigdrel Yeshey Tshering
Site Supervising Engineer
Sherubtse College

Reviewed/Approved By:

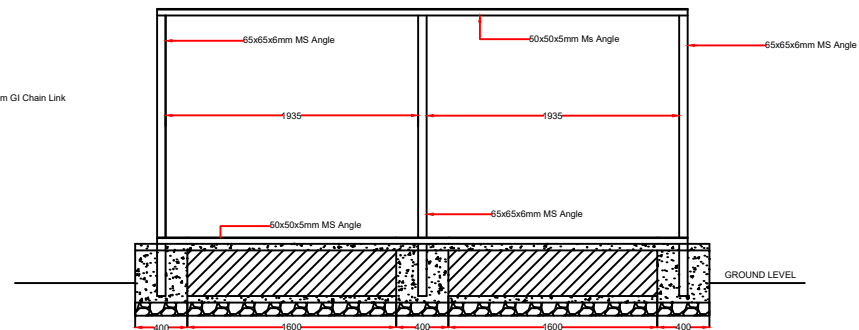
SCALE: NTS

SHEET NO:1/7

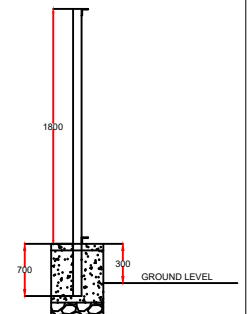
DATE: 08/11/2023



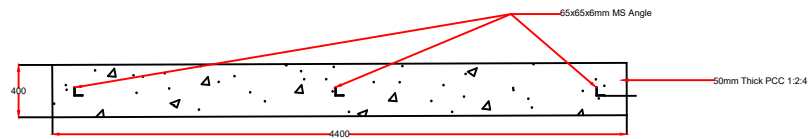
ELEVATION OF FENCING



DETAIL OF ANGLE POST



SECTION OF FENCING POST



PLAN OF FOUNDATION FOR FENCING



ENGINEERING CELL
GoI-PTA PROJECT
SHERUBTSE COLLEGE, KANGLUNG
ROYAL UNIVERSITY OF BHUTAN

PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: GI CHAIN LINK FENCING

DRAWN BY:
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SCALE: NTS

SHEET NO: 2/7

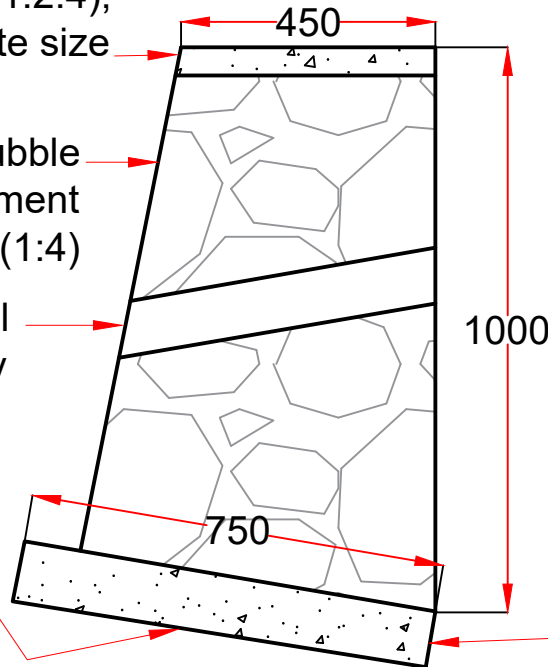
DATE: 08/11/2023

50mm thick PCC (1:2:4),
20mm aggregate size

Random Rubble
Masonry in cement
mortar (1:4)

100X100 mm Weepholes @1.5m interval
staggered horizontally & vertically

Dip of Foundation 1:6



100 mm thick PCC
(1:3:6), 20mm aggregate
size

GENERAL NOTES

1. All dimension are in "mm".
2. Provide 100mm thick PCC band @ wall height/2.
3. Provide 100X100mm weep hole @ 1.5m c/c vertically and horizontally staggered.
4. Weep holes shall be embedded @ 10° down from horizontal towards valley side to drain water from ground.
5. Refer IS 14458: Part 1, Part 2 and Part 3.

ABR WALL



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ROYAL UNIVERSITY OF BHUTAN

PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: RETAINING WALL

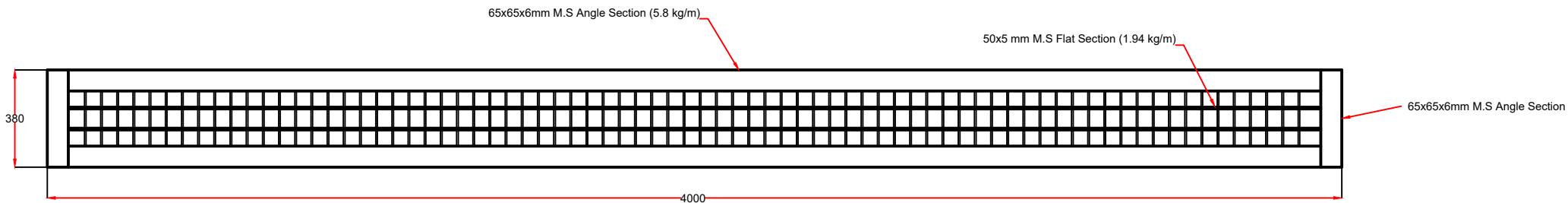
DRAWN BY:
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SCALE: NTS

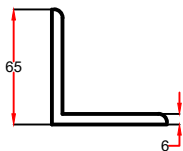
SHEET NO: 3/7

DATE: 08/11/2023

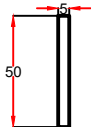


Plan View

Spacing between M.S Flat Section is 50 mm



65x65x6 mm M.S Angle Section (5.8 kg/m)



65x5 mm M.S Flat Section (1.94 kg/m)



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PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: GRATING

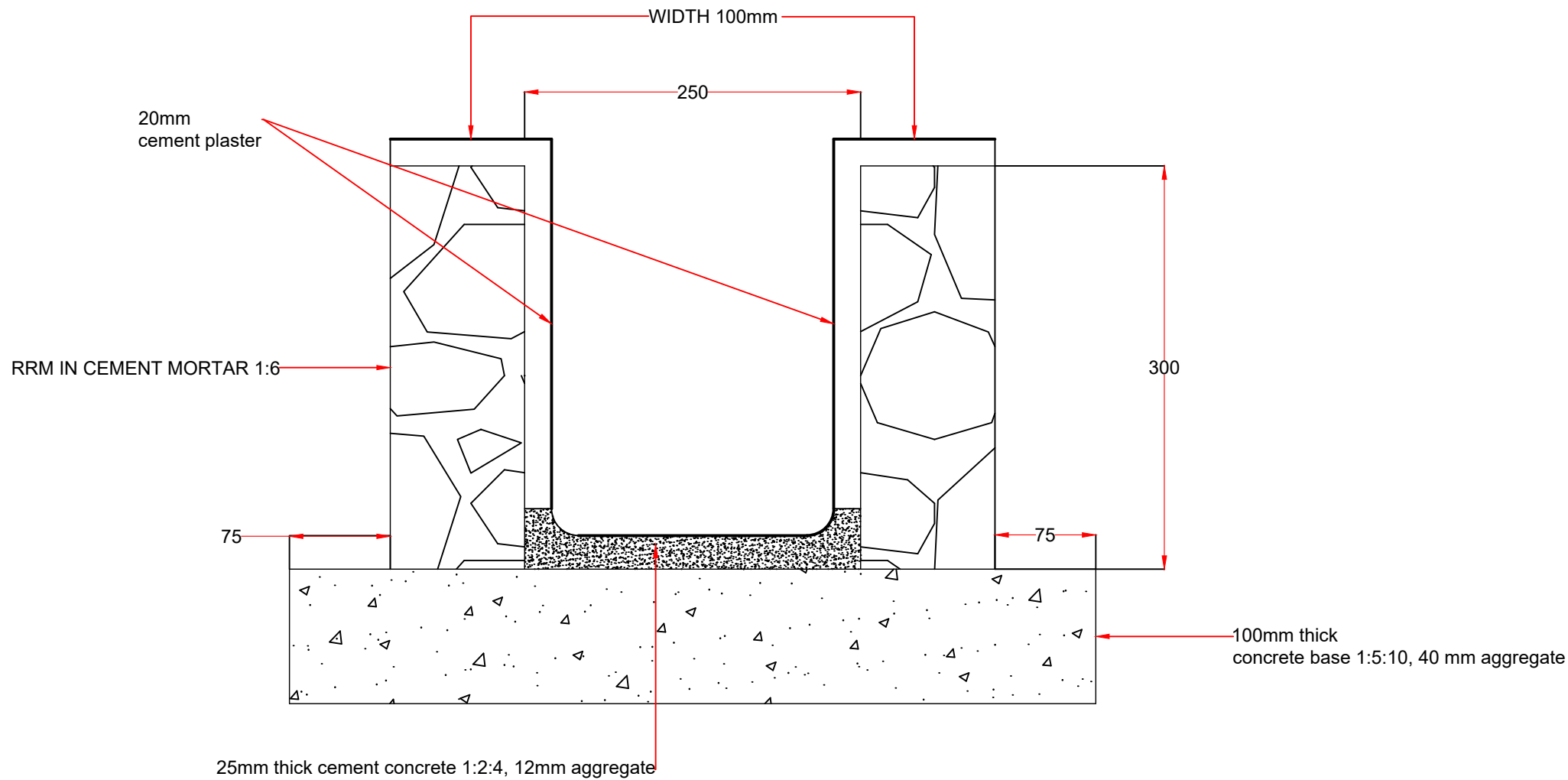
DRAWN BY:
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Reviewed/Approved By:

SCALE: NTS

SHEET NO: 4/7

DATE: 08/11/2023



ENGINEERING CELL
GoI-PTA PROJECT
SHERUBTSE COLLEGE, KANGLUNG
ROYAL UNIVERSITY OF BHUTAN

PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: RRM OPEN SURFACE DRIAN

DRAWN BY:
Rigdrel Yeshey Tshering
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Reviewed/Approved By:

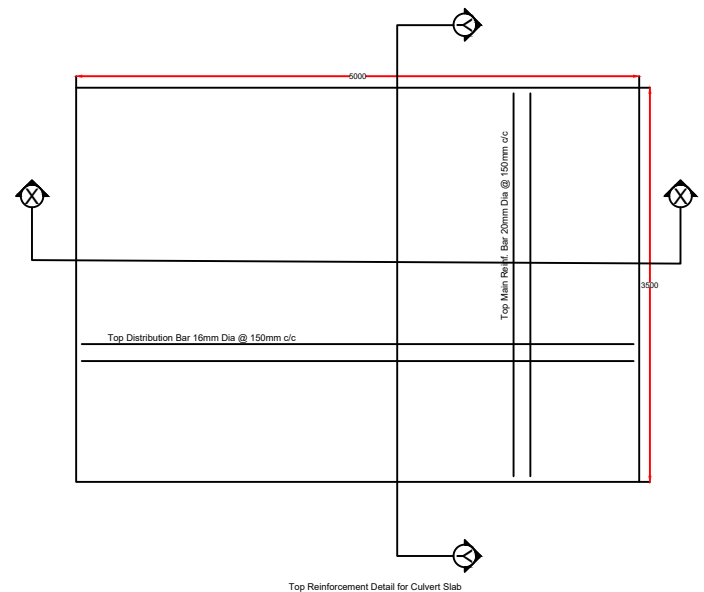
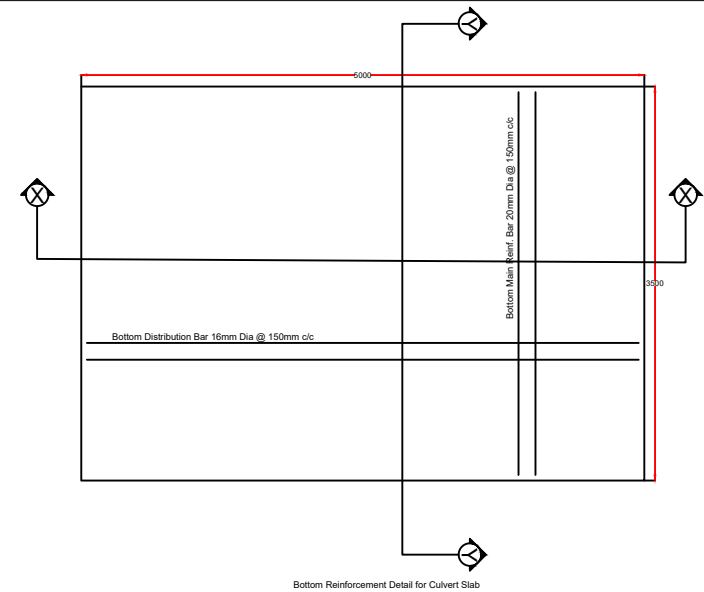
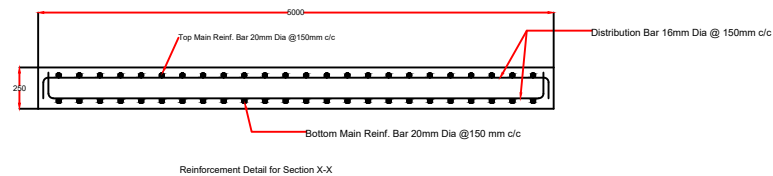
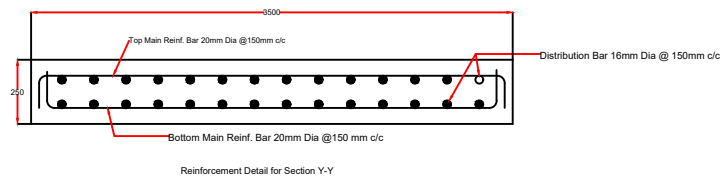
SCALE: NTS

SHEET NO: 5/7

DATE: 08/11/2023

GENERAL NOTES on RCC Bed

1. All dimension are in "mm".
2. Do not measure the drawing but follow written dimension.
3. Grade of concrete is M25.
4. Provide 50mm Clear Cover.
5. All reinforcement shall be high yield strength deformed bars of grade Fe-500 conforming to IS:1786
6. More than 50% of the bars shall not be spliced at any section.



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PROJECT TITLE: CONSTRUCTION OF ACCESS ROAD

DRAWING TITLE: CULVERT SLAB WITH REINFORCEMENT DETAIL

DRAWN BY:
Rigdrel Yeshey Tshering
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Sherubtse College

Reviewed/Approved By:

SCALE: NTS

SHEET NO: 7/7

DATE: 08/11/2023