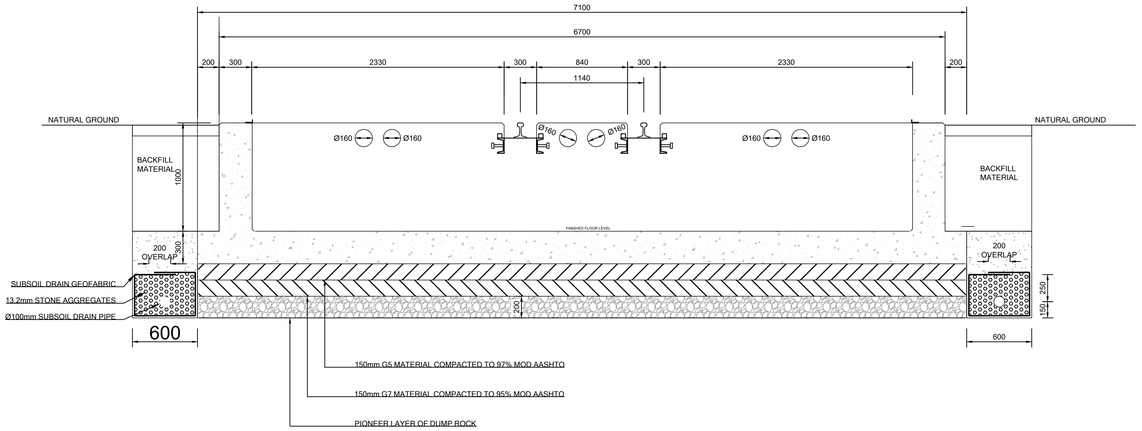
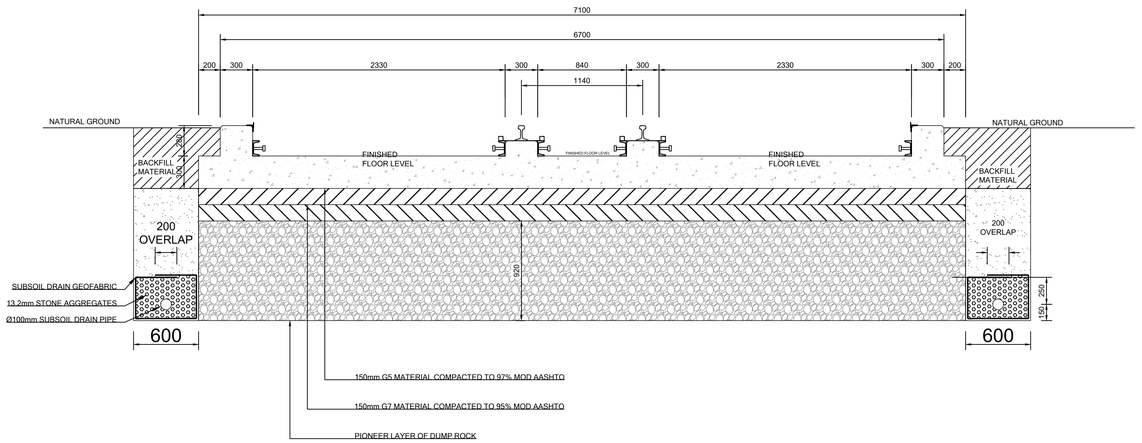



## SECTION THROUGH A-A
SCALE 1:20

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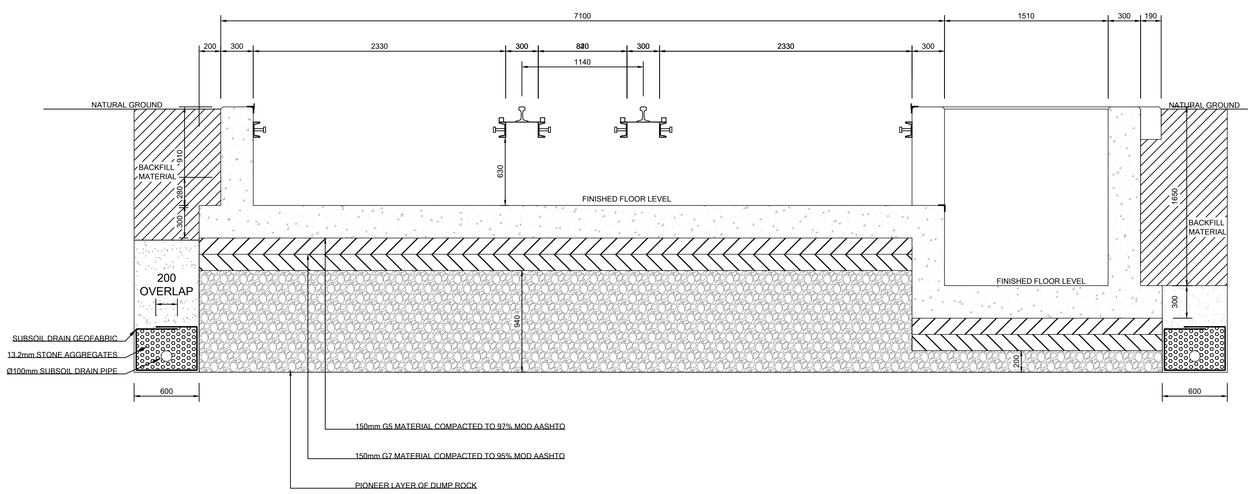
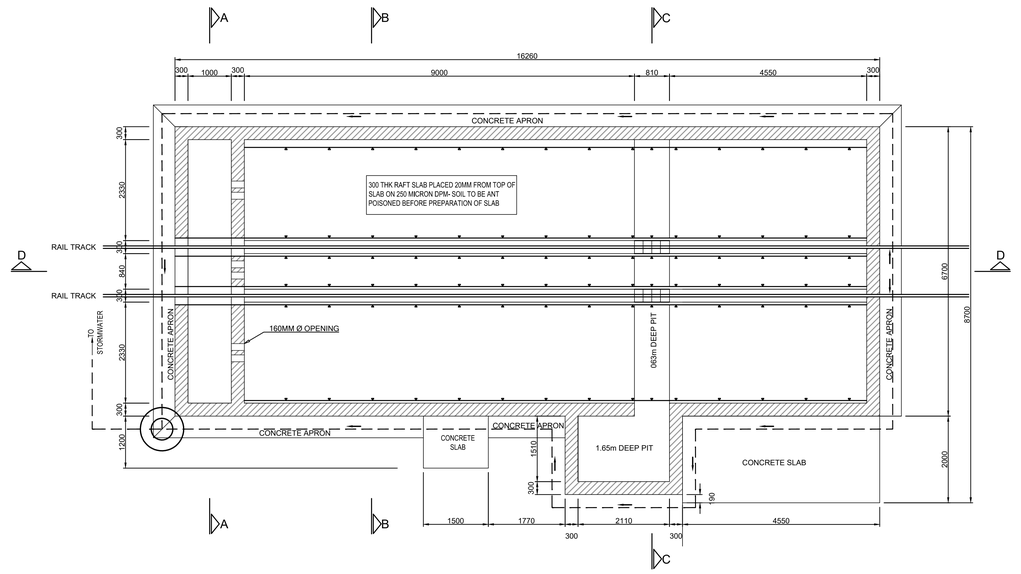
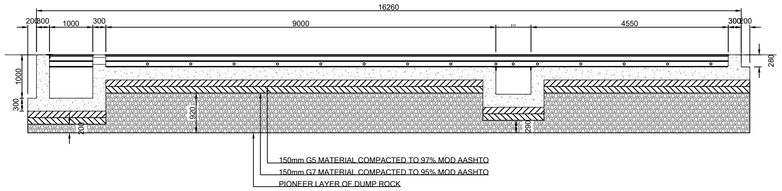
SCALE 1:20




## SECTION THROUGH C-C
SCALE 1:20




## SHOTBLAST BOOTH FOUNDATION LAYOUT
SCALE 1:50

PROJECT CONSTRUCTION NOTES

1. ALL STRUCTURAL ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH E7 / 1 (JULY 1998) TRANSNET FREIGHT RAIL SPECIFICATION FOR WORKS ON, OVER, UNDER OR ADJACENT TO RAILWAY LINES AND NEAR HIGH VOLTAGE EQUIPMENT.
2. REFER ANY DISCREPANCIES TO THE ENGINEER IN WRITING PRIOR TO COMMENCEMENT OF WORK.
3. REFER TO OTHER CONSULTANTS' AND SPECIALISTS' DRAWINGS FOR SERVICE REQUIREMENTS.
4. OBTAIN ENGINEER'S WRITTEN AUTHORISATION FOR ALL AMENDMENTS PRIOR TO WORK COMMENCEMENT.
5. NO DRAWING IS TO BE SCALED. FIGURED DIMENSIONS TO BE USED AT ALL TIMES.
6. UNLESS OTHERWISE STATED PERMISSIBLE DEVIATION (PD) WILL BE TO DEGREE OF ACCURACY II IN TERMS OF THE RELEVANT SECTION OF SANS 1200 STANDARD SPECIFICATIONS.
7. THE CONTRACTOR IS TO LOCATE AND IDENTIFY EXISTING SERVICES ON SITE AND TO PROTECT THEM THROUGHOUT THE DURATION OF THE WORKS.
8. THE CONTRACTOR SHALL AT ALL TIMES OBSERVE PROPER & ADEQUATE SAFETY PRECAUTIONS ON SITE.

CONCRETE

9. CONCRETE, FORMWORK & REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 2001-CC1:2012. CONCRETE WORKS
10. CEMENT TO COMPLY WITH THE REQUIREMENTS OF SANS 50197-1. USE CEM1 42.5.
11. FOR EXPOSED CONCRETE, AND CONCRETE ON OR BELOW GROUND, THE TOTAL ALKALI CONTENT (i.e., THE PRODUCT OF THE NA2O-EQUIVALENT OF THE CEMENT AND THE CEMENT CONTENT OF THE CONCRETE) MUST BE LIMITED TO A MAXIMUM OF 2.1 $kg/m^3$ OF CONCRETE, IF SUCH CONCRETE IS MADE WITH ALKALI-REACTIVE AGGREGATES.
12. THE REQUIRED MINIMUM CHARACTERISTIC CONCRETE STRENGTH AT 28 DAYS (UNLESS NOTED OTHERWISE):
    - REINFORCED CONCRETE WORKS ..... 35 MPa
13. THE CONTRACTOR IS TO SUBMIT HIS PROPOSED MIX DESIGNS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION COMMENCEMENT.
14. UN-REINFORCED SLABS TO BE CAST IN APPROX. SQUARE PANELS WITH MAXIMUM SIDE LENGTH NOT EXCEEDING 30 TIMES THE SLAB THICKNESS U.O.N.
15. ALL MOVEMENT JOINTS ON SURFACE BEDS TO BE 20mm. WIDE, FORMED BY GLUING AN APPROVED CLOSED CELL EXPANDED POLYETHYLENE BOARD TO 1ST CAST CONCRETE.
16. MINIMUM CONCRETE COVER TO REBAR WILL BE 50mm.
17. PROVIDE 25x25mm CHAMFERS TO ALL EXPOSED CONCRETE CORNERS UNLESS OTHERWISE SPECIFIED.
18. STANDARD OF CONCRETE FINISH TO BE TO ENGINEER'S SPECIFICATIONS.
19. ALL CONCRETE TO BE CURED BY AN APPROVED METHOD FOR AT LEAST 5 DAYS AFTER CONCRETE AND THIS PERIOD IS SUBJECT TO ENGINEER'S CONFIRMATION FOR WEATHER CONDITIONS.
20. SHUTTER & PROPPING REMOVAL TO SANS10 100: PART 2 & SUBJECT TO ENGINEER'S CONFIRMATION.

| DRG. No. | REFERENCE DRAWINGS |
|---|---|
| | |

| REV | DESCRIPTION | DATE | REV BY | CHKD |
|---|---|---|---|---|
| A | ISSUED FOR INFORMATION | FEB 2024 | MM | XD |

| | |
|---|---|
| DESIGNED | X. DUBAZANE, PrEng |
| DRAWN | M. MTHEMBU |
| CHECKED | F. KAMBA, PrEng |

APPROVED :

PROJ. PRINCIPAL: F KAMBA, PrEng

SIGNATURE :

DATE :

CLIENT:

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PROJECT/DRAWING TITLE

BLAST BOOTH FOUNDATIONS

FOUNDATION LAYOUT LAYERWORKS AND DETAILS

| SCALE | SHEET |
|---|---|
| AS_SHOWN | 1OF1 |
| CONTRACT No, | PROJECT No. TE-BTH-001 |

DRAWING No. TE-BTH-001-1 REV A

DRAWING SIZE : A0