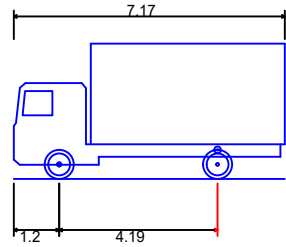
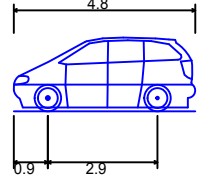


MAX. AXLE LOAD: 5.2t
MAX. WHEEL LOAD: 26kN
MAX. SPEED ALLOWED: 5mph

HAUL ROAD DESIGNED FOR
THE VEHICLES BELOW:



FTA Design 7.5 Tonne Rigid Vehicle (2016)
Overall Length 7.170m
Overall Width 2.300m
Overall Body Height 3.580m
Min Body Ground Clearance 0.375m
Track Width 2.120m
Lock-to-lock time 3.00s
Curb to Curb Turning Radius 7.000m



Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.950m
Min Body Ground Clearance 0.100m
Track Width 2.000m
Lock-to-lock time 4.00s
Wall to Wall Turning Radius 6.000m

NOTE: MAX ALLOWABLE SLOPE 1:20 WITH 1:40 PREFERABLE.
THIS EXCLUDES AREAS ADJACENT TO EXISTING PUBLIC HIGHWAYS
WHERE THE FALL WILL NEED TO MATCH ACCORDINGLY.

ID POINT	EASTING	NORTHING
1	243337.4945	428340.6337
2	243339.9222	428338.8712
3	243334.4101	428336.3853
4	243329.8713	428335.2400
5	243325.9870	428338.0601
6	243316.8218	428325.4363
7	243320.7061	428322.6163
8	243316.6340	428321.6951
9	243323.6354	428316.4384
10	243312.7719	428320.1141
11	243321.2175	428313.1081
12	243313.4276	428312.5913
13	243307.7440	428294.5504
14	243307.1744	428292.9153
15	243297.4635	428290.6029
16	243297.8521	428288.9307
17	243307.5753	428291.1906

HAUL ROAD SETTING OUT POINTS

Type of Compaction Plant	Category	Minimum number of passes [N] for maximum layer depths [D]		
Vibratory roller	Mass per metre width of vibratory roll	D = 110mm	D = 150mm	D = 250mm
		700 - 1300kg	16	N/A
		1300 - 1800kg	6	16
		1800 - 2300kg	4	6
		2300 - 2900kg	3	5
		2900 - 3600kg	3	5
		3600 - 4300kg	2	4
Vibrating plate compactor	Mass per m ² of base plate	D = 110mm	D = 150mm	D = 250mm
		1400 - 1800kg	8	N/A
		1800 - 2100kg	5	8
		over 2100kg	3	6
		over 2100kg	3	6
Vibro-tamper	Mass	D = 110mm	D = 150mm	D = 250mm
		50 - 65kg	4	8
		65 - 75kg	3	6
		75 - 100kg	2	4
		over 100kg	2	4
Power rammer	Mass	D = 110mm	D = 150mm	D = 250mm
		100 - 500kg	5	8
		over 500kg	5	8
		over 500kg	5	8

TABLE 1 - COMPACTION REQUIREMENTS

GENERAL NOTES:

This drawing is the property of Independent Design House and no reproduction or disclosure thereof may be made in whole or in part without written permission.

This drawing has been prepared from information supplied to us by our Client / the Contractor and where necessary through direct site measurement by IDH. All information within this drawing is subject to checking by our Client and the Contractor to ensure the requirements have been correctly interpreted. The Client & Contractor must satisfy themselves that all dimensions, setting out, component selection, bay sizes, lift heights, loadings, reactions, erection / striking sequences, access & egress etc., are as required and practicable.



- No alterations shall be made to the design without the approval of the IDH Design Office.
- Responsibility for and inspection and Certification of the erected equipment shall be that of the Erectors.
- The arrangement of equipment shown on this drawing applies only to this specific application.
- Read this drawing in conjunction with the quotation and the Terms and Conditions of Trading.
- This drawing and the information it contains is the property of Independent Design House.

EXISTING STRUCTURE & FOUNDATIONS:

Our Client / the Contractor / Structural Engineer is to ensure that the existing structure, it's fabric and the ground will safely support the imposed loads unless otherwise identified by IDH.

No assessment of the ground conditions have been made in this design and it remains the responsibility of our Client, the Contractor or Structural Engineer to undertake this exercise and confirm suitability or state an allowable bearing pressure IDH can work to unless otherwise identified by IDH.

No assessment has been made of the existing structure to determine whether it can safely support the indicated imposed loads as this is beyond our knowledge and remains the responsibility of our Client, the Contractor or Structural Engineer otherwise identified by IDH.

Our Client or the Contractor must prepare all foundations and enabling works to line and level as indicated in this drawing prior to erection. No excavations are to occur in the proximity of the erected structure without prior consent of IDH.

MATERIALS:

Proprietary equipment to be installed and used in accordance with manufacturer's recommendations.

ALTERATIONS & CHANGES:

No alterations or change of use without prior written confirmation from IDH.
Client to inform IDH immediately of any inaccuracies within this design, changes to site conditions or changes to scope.

The Client / Contractor must verify all site dimensions and notify of any discrepancies prior to erection.

PERMITS AND PERMISSIONS:

The Client / Contractor must obtain all permits and permissions prior to erection.

CONSTRUCTION NOTES

- Drawings are not to be scaled.
- All dimensions are in mm.
- All making good by Contractor.

RESIDUAL RISK NOTES:

It is not the policy of IDH to prepare specific Designer Risk Assessments as design risks are identified within the drawing. Where risks cannot be eliminated and inherently reside within the scheme they are classified as 'Residual Risks' and will be identified with a warning triangle:

IF IN DOUBT ASK

REFER TO ASPHALT STANDARDS: BS EN 13108-1 & BS EN 13108-5.
REFER TO SERIES 600 & 900 SPECIFICATION FOR HIGHWAY WORKS.

THE FOOTPRINT OF THE ROAD AND THE CAR PARKING AREA, WITH ALLOWABLE WORKING ROOM, TO BE TOP SOIL STRIPPED DOWN TO FORMATION / BEARING STRATA.

SOFT SPOTS TO BE EXCAVATED AND BACKFILLED WITH AN APPROVED CRUSHED MATERIAL E.G. DOT TYPE 1 OR 6F2.

THE METHOD OF PROTECTION SLAB INSTALLATION SHALL BE CONFIRMED BY SUBMISSION OF A FORMAL WRITTEN METHOD STATEMENT FROM THE CONTRACTOR TO THE SERVICES OWNER.

DESIGN TO BE APPROVED BY UTILITY OWNERS.

C3	26/09/24	SERVICES PROTECTION CHANGED	TY	JP
C2	04/07/24	ACO DRAINAGE AND TRAFFIC MANAGEMENT NOTES ADDED	TY	WF
C1	29/04/24	NOTE FOR THE ALLOWABLE SLOPE ADDED	TY	WF
C0	11/01/24	REVISED AS REQUESTED	TY	WF
P0	19/12/23	ISSUED FOR APPROVAL	TY	WF
REV	DATE	DESCRIPTION	DRN	CHK

For Construction



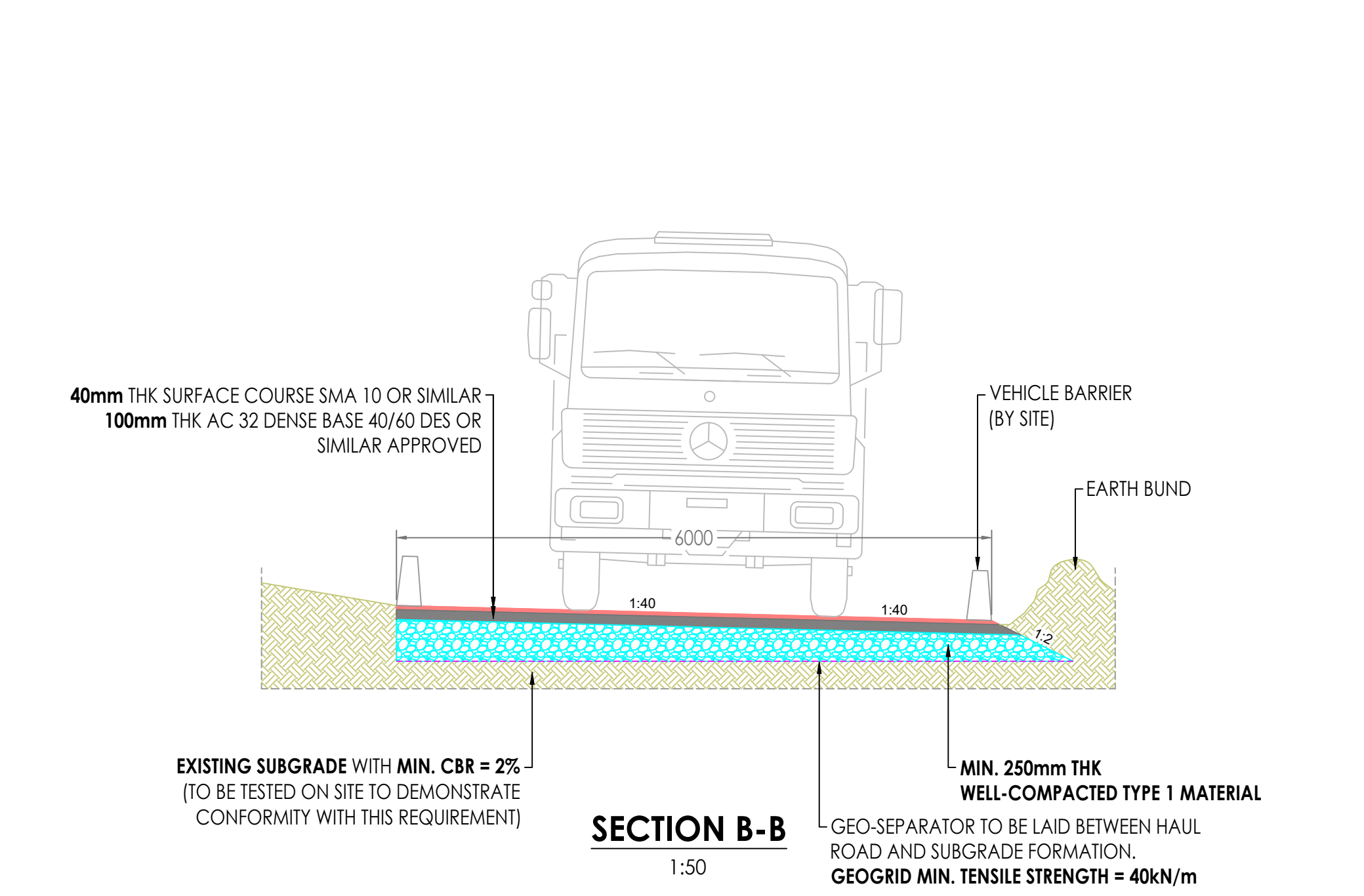
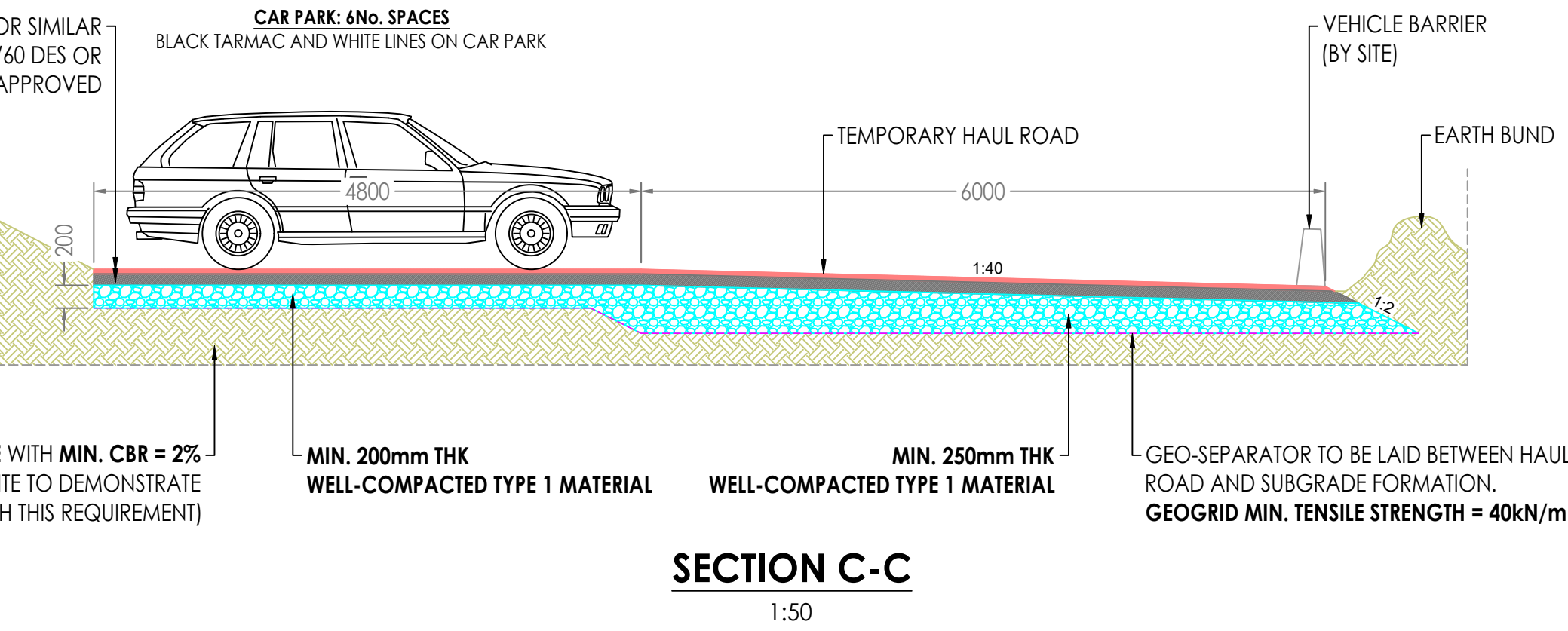
CLIENT
BAM CONSTRUCT & VENTURES UK LTD

PROJECT
TRANSPENNINE ROUTE UPGRADE

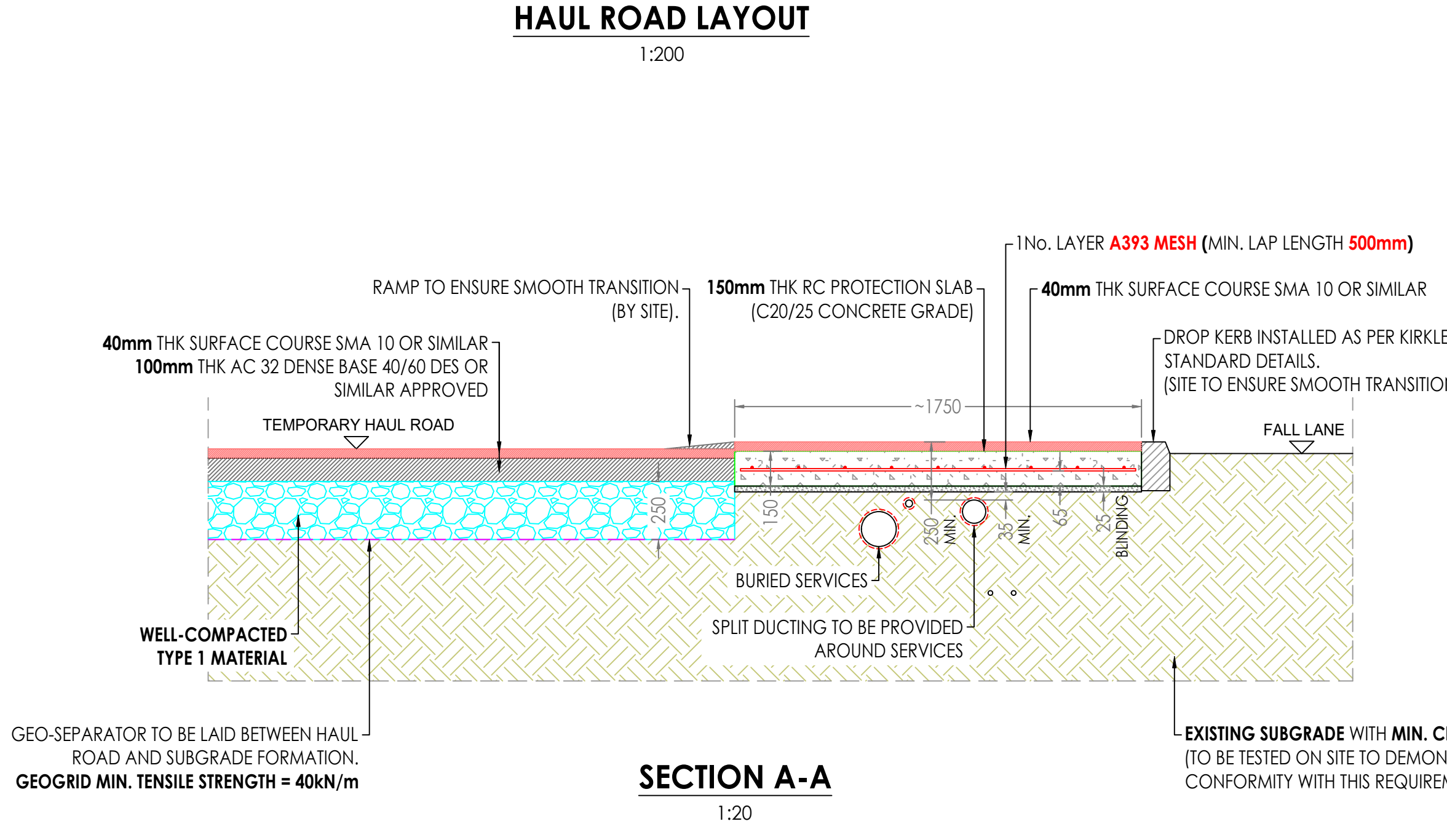
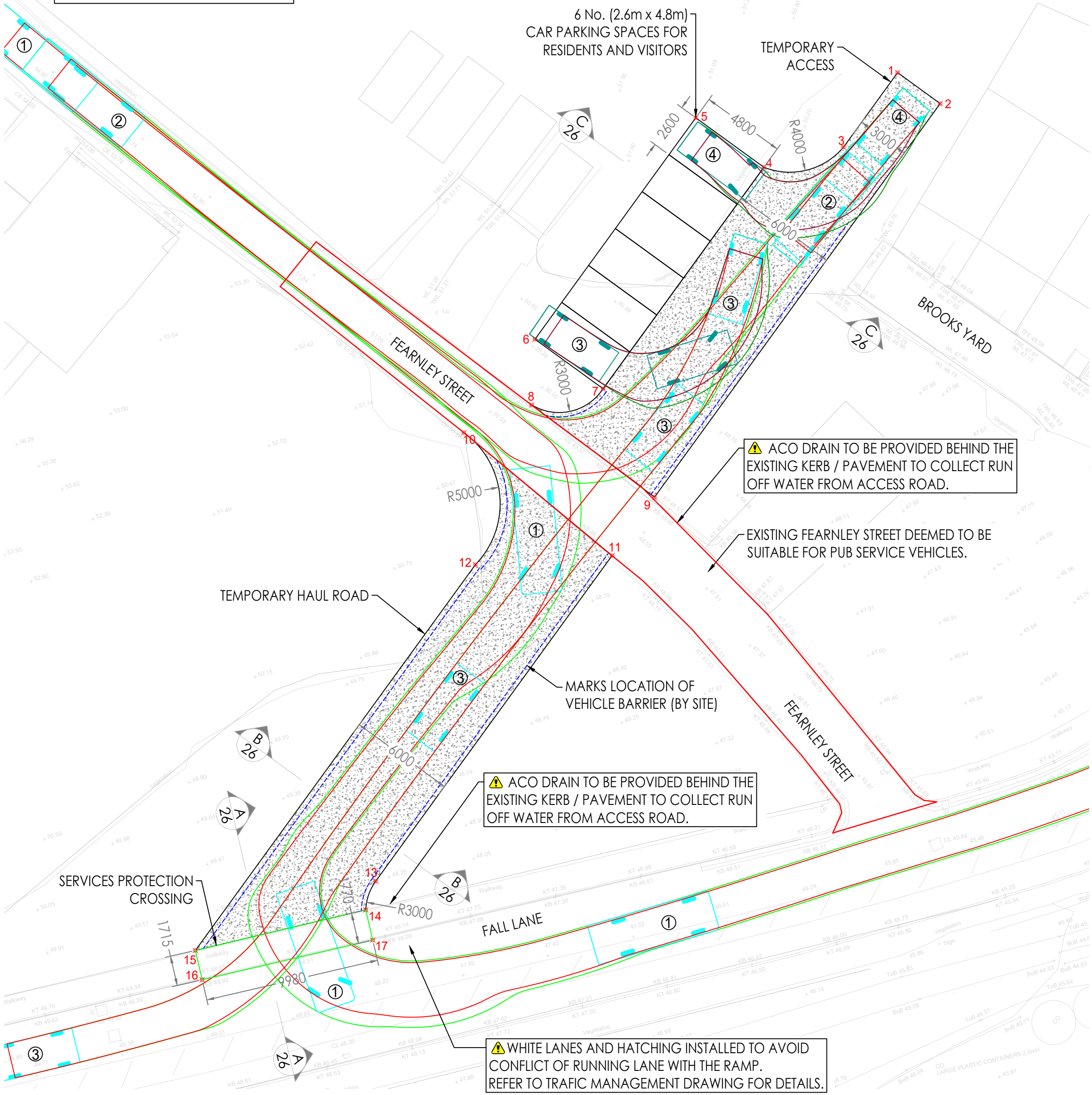
DRG TITLE
TEMPORARY HAUL ROAD AND SERVICES PROTECTION DESIGN

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DRG NO	7722-26	REV	C3	SCALE	As Shown @ A3	DRN	CHK	TY	DATE
									26/09/24



- NOTES:
- ALL DIMENSIONS ARE IN MM.
 - DO NOT SCALE FROM THE DRAWING.
 - CONCRETE SHALL BE MINIMUM STRENGTH CLASS C20/25 TO BS EN 206: 2013.



CONCRETE GRADE TO BE MIN. C20/25

COVER TO REINFORCEMENT:
50mm TO SIDES

MAXIMUM PRESSURE UNDER RC PROTECTION SLAB $\sigma=20kPa$.
MUST BE APPROVED BY THE UTILITY OWNER.