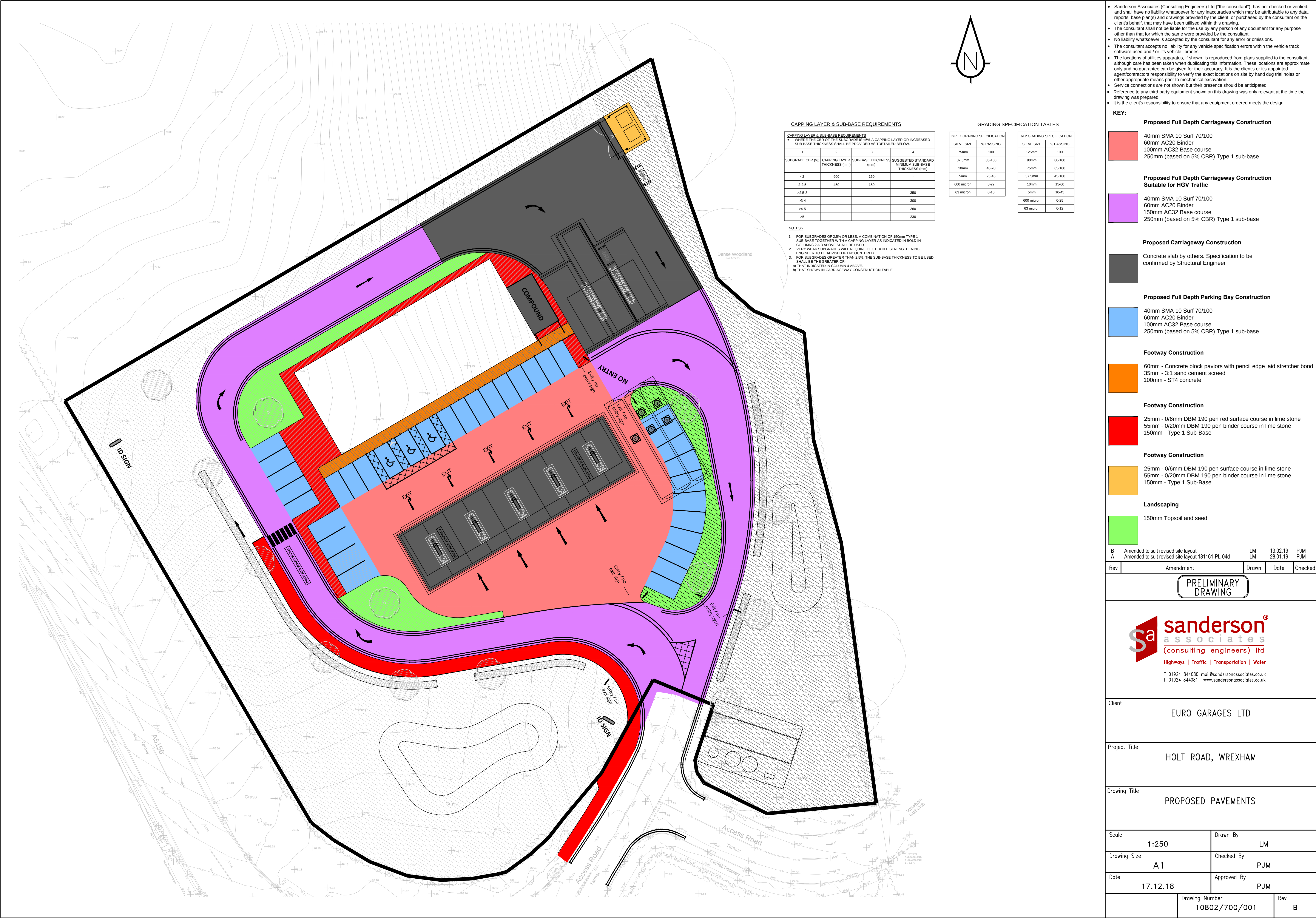




CAPPING LAYER & SUB-BASE REQUIREMENTS

CAPPING LAYER & SUB-BASE REQUIREMENTS			
WHERE THE CBR OF THE SUBGRADE IS <5% A CAPPING LAYER OR INCREASED SUB-BASE THICKNESS SHALL BE PROVIDED AS DETAILED BELOW.			
1	2	3	4
SUBGRADE CBR (%)	CAPPING LAYER THICKNESS (mm)	SUB-BASE THICKNESS (mm)	SUGGESTED STANDARD MINIMUM SUB-BASE THICKNESS (mm)
<2	600	150	-
2-2.5	450	150	-
>2.5-3	-	-	350
>3-4	-	-	300
>4-5	-	-	250
>5	-	-	230

NOTES:

- FOR SUBGRADES OF 2.5% OR LESS, A COMBINATION OF 150mm TYPE 1 SUB-BASE TOGETHER WITH A CAPPING LAYER AS INDICATED IN BOLD IN COLUMNS 2 & 3 ABOVE SHALL BE USED.
- VERY WEAK SUBGRADES WILL REQUIRE GEOTEXTILE STRENGTHENING. ENGINEER TO BE ADVISED IF ENCOUNTERED.
- FOR SUBGRADES GREATER THAN 2.5%, THE SUB-BASE THICKNESS TO BE USED SHALL BE THE GREATER OF:
a) THAT INDICATED IN COLUMN 4 ABOVE.
b) THAT SHOWN IN CARRIAGEWAY CONSTRUCTION TABLE.

GRADING SPECIFICATION TABLES

TYPE 1 GRADING SPECIFICATION		#2 GRADING SPECIFICATION	
SIEVE SIZE	% PASSING	SIEVE SIZE	% PASSING
75mm	100	125mm	100
37.5mm	85-100	90mm	80-100
10mm	40-70	75mm	65-100
5mm	25-45	37.5mm	45-100
600 micron	8-22	10mm	15-60
63 micron	0-10	5mm	10-45
		600 micron	0-25
		63 micron	0-12

- Sanderson Associates (Consulting Engineers) Ltd ("the consultant"), has not checked or verified, and shall have no liability whatsoever for any inaccuracies which may be attributable to any data, reports, base plan(s) and drawings provided by the client, or purchased by the consultant on the client's behalf, that may have been utilised within this drawing.
- The consultant shall not be liable for the use by any person of any document for any purpose other than that for which the same were provided by the consultant.
- No liability whatsoever is accepted by the consultant for any error or omissions.
- The consultant accepts no liability for any vehicle specification errors within the vehicle track software used and / or it's vehicle libraries.
- The locations of utilities apparatus, if shown, is reproduced from plans supplied to the consultant, although care has been taken when duplicating this information. These locations are approximate only and no guarantee can be given for their accuracy. It is the clients or it's appointed agent/contractors responsibility to verify the exact locations on site by hand dug trial holes or other appropriate means prior to mechanical excavation.
- Service connections are not shown but their presence should be anticipated.
- Reference to any third party equipment shown on this drawing was only relevant at the time the drawing was prepared.
- It is the client's responsibility to ensure that any equipment ordered meets the design.

KEY:

- Proposed Full Depth Carriageway Construction**
- 40mm SMA 10 Surf 70/100
60mm AC20 Binder
100mm AC32 Base course
250mm (based on 5% CBR) Type 1 sub-base
- Proposed Full Depth Carriageway Construction Suitable for HGV Traffic**
- 40mm SMA 10 Surf 70/100
60mm AC20 Binder
150mm AC32 Base course
250mm (based on 5% CBR) Type 1 sub-base
- Proposed Carriageway Construction**
- Concrete slab by others. Specification to be confirmed by Structural Engineer
- Proposed Full Depth Parking Bay Construction**
- 40mm SMA 10 Surf 70/100
60mm AC20 Binder
100mm AC32 Base course
250mm (based on 5% CBR) Type 1 sub-base
- Footway Construction**
- 60mm - Concrete block paviors with pencil edge laid stretcher bond
35mm - 3:1 sand cement screed
100mm - ST4 concrete
- Footway Construction**
- 25mm - 0/6mm DBM 190 pen red surface course in lime stone
55mm - 0/20mm DBM 190 pen binder course in lime stone
150mm - Type 1 Sub-Base
- Footway Construction**
- 25mm - 0/6mm DBM 190 pen surface course in lime stone
55mm - 0/20mm DBM 190 pen binder course in lime stone
150mm - Type 1 Sub-Base
- Landscaping**
- 150mm Topsoil and seed

B	Amended to suit revised site layout	LM	13.02.19	PJM
A	Amended to suit revised site layout 181161-PL-04d	LM	28.01.19	PJM
Rev	Amendment	Drawn	Date	Checked

PRELIMINARY
DRAWING



Client	EURO GARAGES LTD		
Project Title	HOLT ROAD, WREXHAM		
Drawing Title	PROPOSED PAVEMENTS		
Scale	1:250	Drawn By	LM
Drawing Size	A1	Checked By	PJM
Date	17.12.18	Approved By	PJM
	Drawing Number 10802/700/001	Rev	B