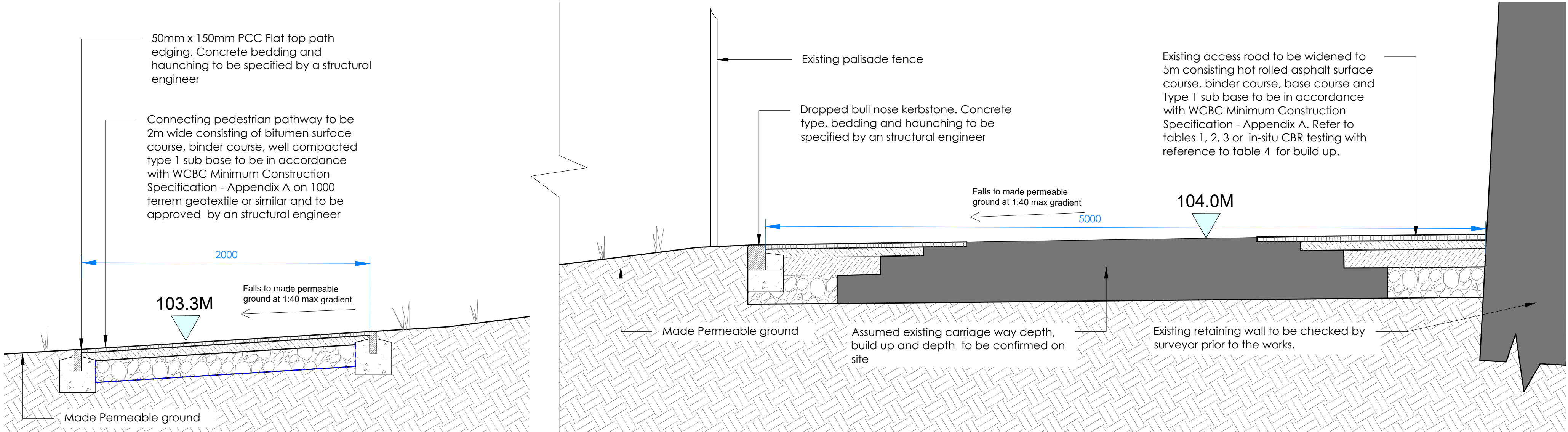
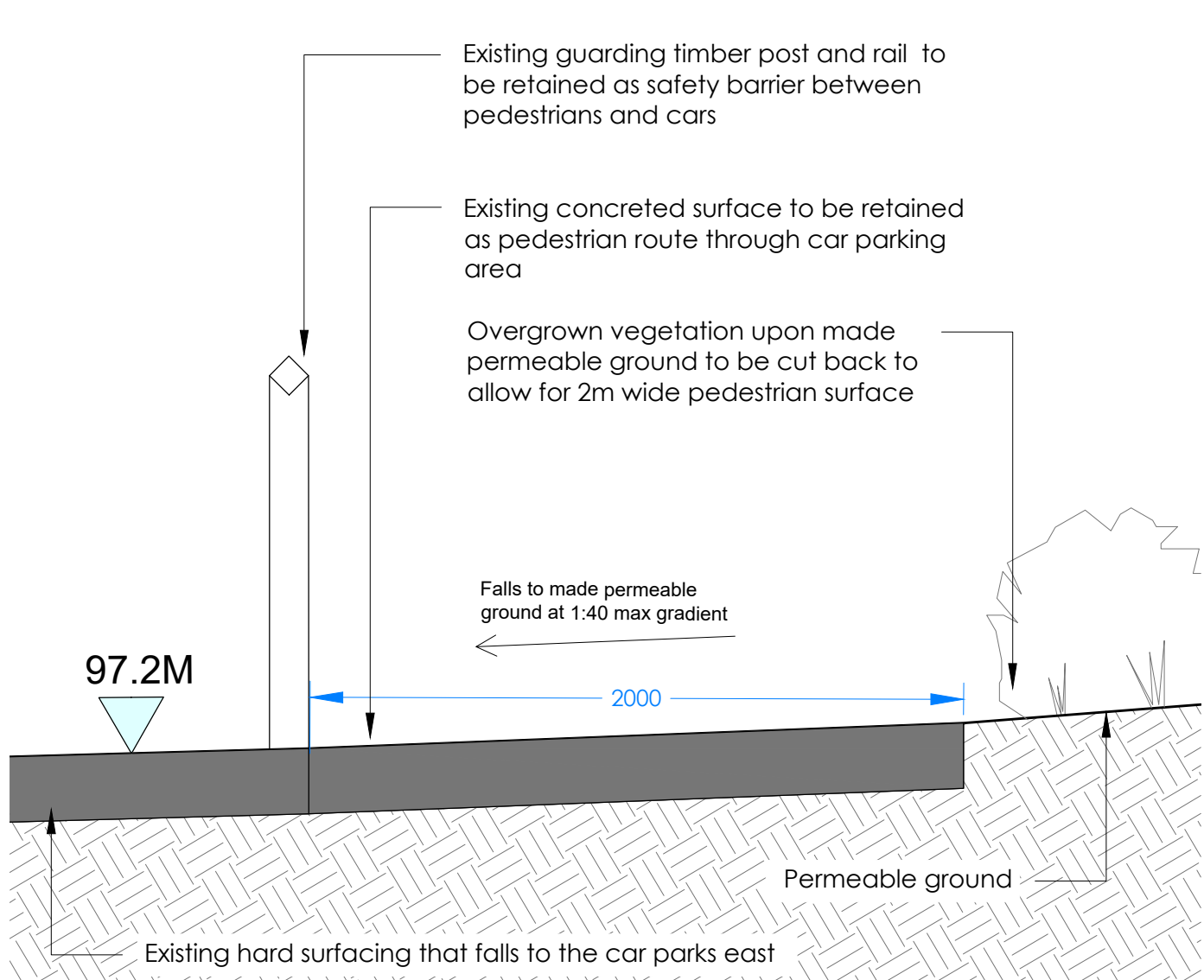




SECTION 1 ; ACCESS ROAD WIDENING & NEW CONNECTING PATHWAY

Scale 1:20 @ A1



SECTION 2 ; ACCESS ROAD WIDENING & EXISTING CONNECTING ACCESS PATHWAY

Scale 1:20 @ A1

SOIL	PLASTICITY INDEX (%)	ESTIMATED CBR (%)
Heavy Clay	70	2
	60	2
	50	2
	40	2.5
Silty Clay	30	3
Sandy Clay	20	4
	10	3
Silt	-	1
Sand (poorly graded)	-	20
Sand (well graded)	-	40
Sandy Gravel (well graded)	-	60

Table 1: Equilibrium Subgrade CBR Estimation

Above: Table 1; Estimation of CBR must be as per Wrexham County Brough Council (WCBC) requirements as above.

Soil Condition	CBR
Very soft, moulds between fingers when squeezed	Less than 1%
Can be moulded by light finger pressure	Between 1 and 2%
Can be moulded by strong finger pressure	Between 2 and 3%
Can be indented by a thumbnail but not by a thumb	More than 3%

Table 2: Rough Guide to CBR Estimation

Above: Table 2; Estimation of CBR must be as per WCBC requirements as above.

ESTIMATED CBR (%)	Foundation Option 1		Foundation Option 2	
	Sub base only	Sub base and capping	Sub base only	Sub base and capping
2.5	450	250	350	250
3	410	240	320	240
4	360	230	270	230
5	320	210	240	210
6	300	200	220	200
7	280	200	210	200
8	260	190	200	190
9	250	190	190	190
10	240	170	180	170
11	230	170	170	170
12	220	160	160	160
13	210	160	160	160
14	210	150	150	150
>15	200	150	150	150

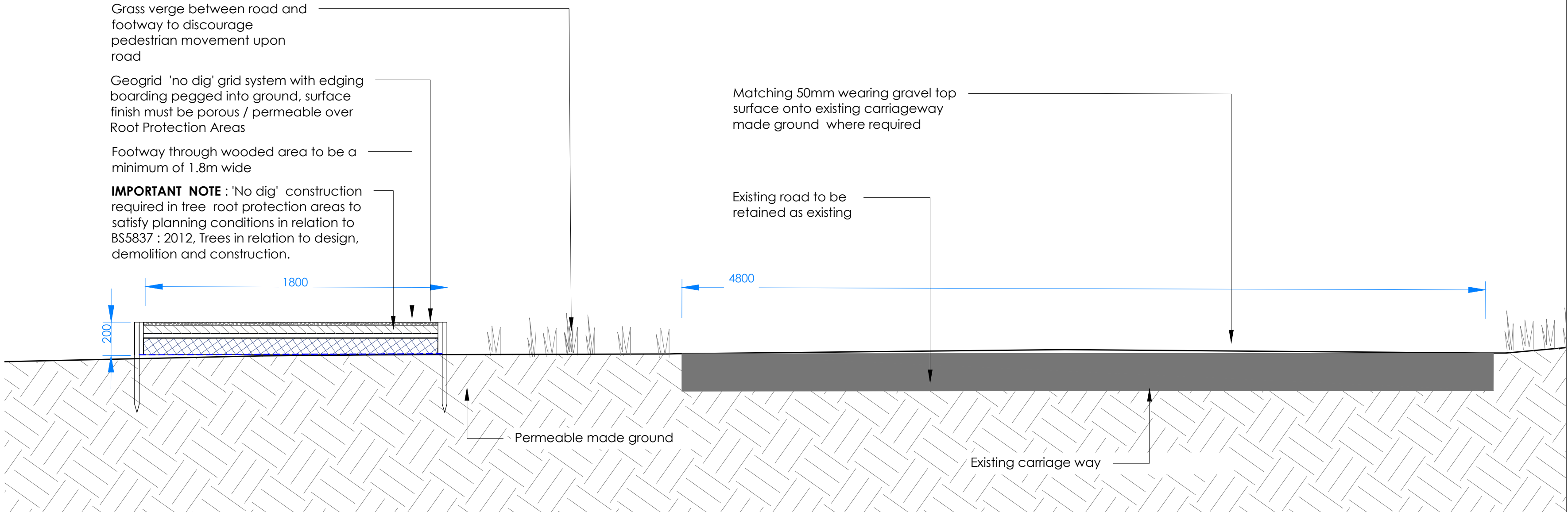
Table 3: Road Foundation Design Thicknesses

Above: Table 3; Minimum foundation construction specification for carriageway widening as per WCBC requirements.

Surface Course	40mm Thin Surface Course System
Binder Course	60mm DBM50 Binder
Base	100mm DBM50
Total Thickness	200mm

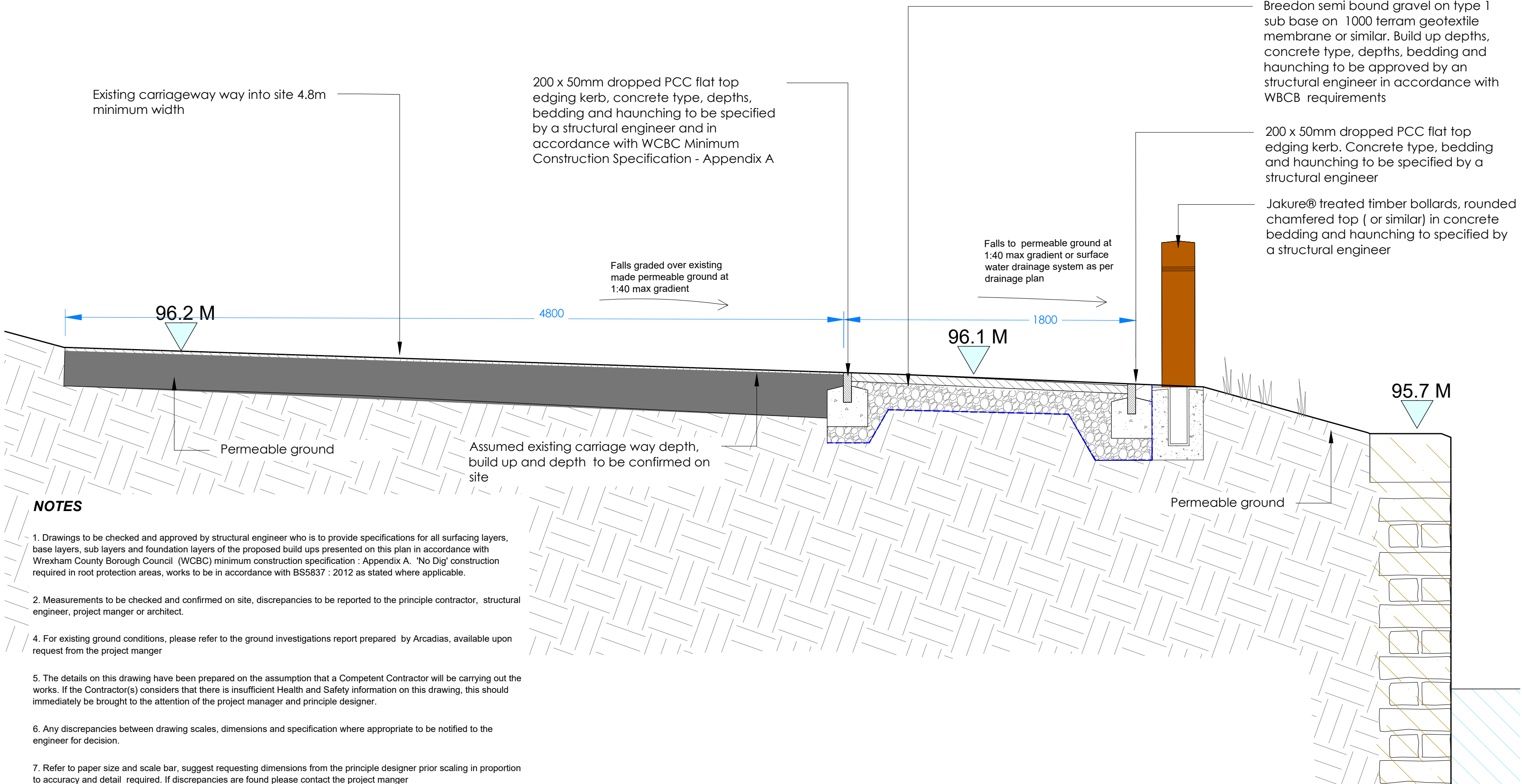
Table 4: Asphaltic Material Thicknesses

Above: Table 4; Asphaltic material thickness as per WCBC requirements.



SECTION 3 ; RAISED PEDESTRIAN FOOTWAY & WIDENED CARRIAGEWAY WITHIN MAIN SITE

Scale 1:20 @ A1



NOTES

- Drawings to be checked and approved by structural engineer who is to provide specifications for all surfacing layers, base layers, sub layers and foundation layers of the proposed build ups presented on this plan in accordance with Wrexham County Borough Council (WCBC) minimum construction specification - Appendix A. 'No Dig' construction required in root protection areas, works to be in accordance with BS5837 : 2012 as stated where applicable.
- Measurements to be checked and confirmed on site, discrepancies to be reported to the principle contractor, structural engineer, project manager or architect.
- For existing ground conditions, please refer to the ground investigations report prepared by Arcadiaz, available upon request from the project manager.
- The details on this drawing have been prepared on the assumption that a Competent Contractor will be carrying out the works. If the Contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the project manager and principle designer.
- Any discrepancies between drawing scales, dimensions and specification where appropriate to be notified to the engineer for decision.
- Refer to paper size and scale bar, suggest requesting dimensions from the principle designer prior scaling in proportion to accuracy and detail required. If discrepancies are found please contact the project manager.

SECTION 4 ; ACCESS ROAD WIDENING & EXISTING CONNECTING PATHWAY

Scale 1:20 @ A1



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Sheet
PROPOSED FOOT & CARRIAGE WAY
SECTION DETAILS

Project
Trevor Hire Boat Base

Origin Date/ Auth
RB

Drawing No.
2019 38 314

Scale
1:20 @ A1

Sheet Size
A1

Revision / Issue
V3

Revision Date
03.03.2022

Scale Bar 1/20@ A1