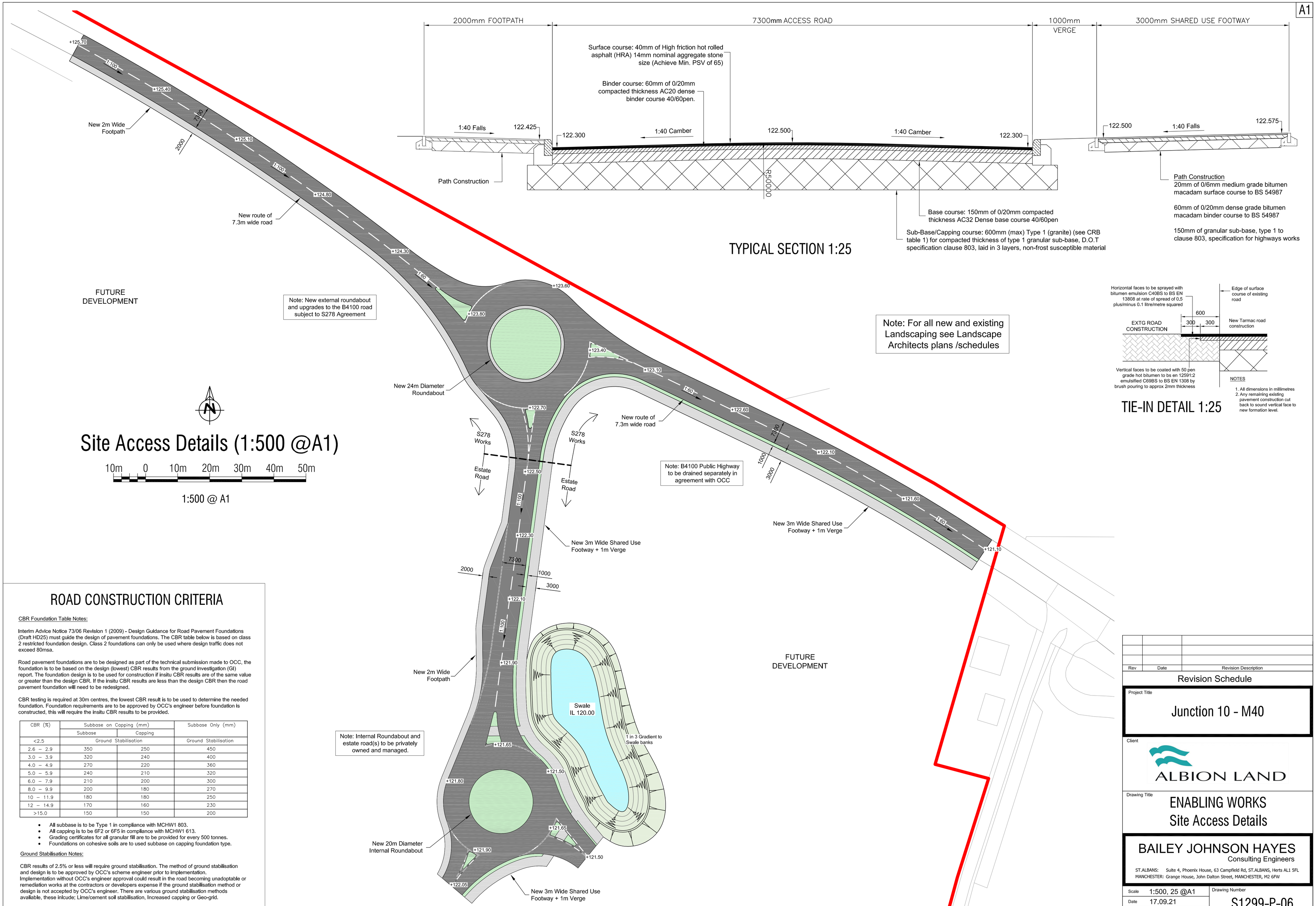
A1



Site Access Details (1:500 @A1)

10m 0 10m 20m 30m 40m 50m

1:500 @ A1

TYPICAL SECTION 1:25

TIE-IN DETAIL 1:25

ROAD CONSTRUCTION CRITERIA

CBR Foundation Table Notes:

Interim Advice Notice 73/06 Revision 1 (2009) - Design Guidance for Road Pavement Foundations (Draft HD25) must guide the design of pavement foundations. The CBR table below is based on class 2 restricted foundation design. Class 2 foundations can only be used where design traffic does not exceed 80msa.

Road pavement foundations are to be designed as part of the technical submission made to OCC, the foundation is to be based on the design (lowest) CBR results from the ground investigation (GI) report. The foundation design is to be used for construction if insitu CBR results are of the same value or greater than the design CBR. If the insitu CBR results are less than the design CBR then the road pavement foundation will need to be redesigned.

CBR testing is required at 30m centres, the lowest CBR result is to be used to determine the needed foundation. Foundation requirements are to be approved by OCC's engineer before foundation is constructed, this will require the insitu CBR results to be provided.

CBR (%)	Subbase on Capping (mm)		Subbase Only (mm)
	Subbase	Capping	
<2.5	Ground Stabilisation		Ground Stabilisation
2.6 – 2.9	350	250	450
3.0 – 3.9	320	240	400
4.0 – 4.9	270	220	360
5.0 – 5.9	240	210	320
6.0 – 7.9	210	200	300
8.0 – 9.9	200	180	270
10 – 11.9	180	180	250
12 – 14.9	170	160	230
>15.0	150	150	200

- All subbase is to be Type 1 in compliance with MCHW1 803.
- All capping is to be 6F2 or 6F5 in compliance with MCHW1 613.
- Grading certificates for all granular fill are to be provided for every 500 tonnes.
- Foundations on cohesive soils are to used subbase on capping foundation type.

Ground Stabilisation Notes:

CBR results of 2.5% or less will require ground stabilisation. The method of ground stabilisation and design is to be approved by OCC's scheme engineer prior to Implementation. Implementation without OCC's engineer approval could result in the road becoming unadoptable or remediation works at the contractors or developers expense if the ground stabilisation method or design is not accepted by OCC's engineer. There are various ground stabilisation methods available, these inlcude; Lime/cement soil stabilisation, Increased capping or Geo-grid.

Rev	Date	Revision Description

Revision Schedule

Project Title

Junction 10 - M40

Client

ALBION LAND

Drawing Title

ENABLING WORKS
Site Access Details

BAILEY JOHNSON HAYES
Consulting Engineers
ST.ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST.ALBANS, Herts AL1 5FL
MANCHESTER: Grange House, John Dalton Street, MANCHESTER, M2 6FW

Scale	1:500, 25 @A1
Date	17.09.21
Drawn	JNG

Drawing Number

S1299-P-06