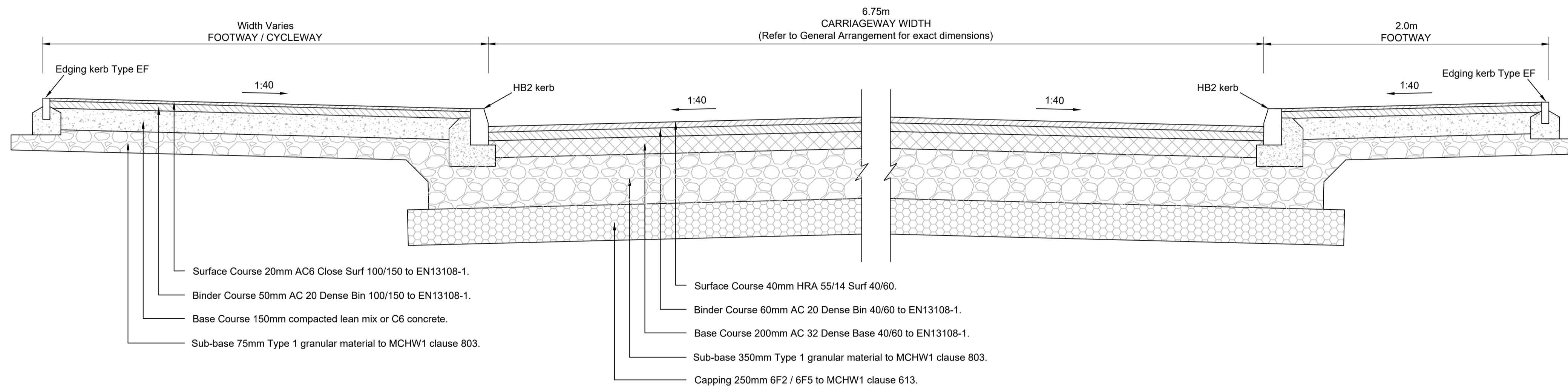


**TYPICAL WESTERN PERIMETER ROAD (RD-22) CROSS SECTION**  
**BITUMINOUS CONSTRUCTION**  
 SCALE 1:20



**TYPICAL SCHOOL / LOCAL CENTRE LOOP ROAD (RD-08) CROSS SECTION**  
**BITUMINOUS CONSTRUCTION**  
 SCALE 1:20

**Table 1: CBR Foundation Table (Oxfordshire County Council)**

CBR (%)	Sub-Base (mm)	Capping (mm)	Sub base only (mm)
<= 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
10.0-11.9	180	180	250
12.0-14.9	170	160	230
>= 15.0	150	150	200

**Notes:**

1. CBR table is based on Class 2 restricted foundation design in accordance with IAN 73/06 Revision 1 2009.
2. The pavement foundation has been based on the design CBR of 2.5% assumed from Hydrock Ground Investigation (GI) report no. WPF-HYD-XX-XX-RP-G-1001-P1-S2.
3. The foundation design is to be used at construction if insitu CBR results are of the same value of greater than the design CBR. If the insitu CBR results are less than this value then the pavement foundation will be increased as per Table 1.
4. 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 engineer before the foundation is constructed, this will require the insitu CBR results to be provided.
5. Grading certificates for all granular fill are to be provided for every 500 tonnes of material.
6. Foundations on cohesive soils are to be sub base on capping foundation type.

REVISIONS (CONTINUED)

REVISIONS

Rev	Date	Description	By	Clk	App
P03	25/10/2021	Sub-base and capping depths amended.	JD	RAP	RAP
P02	02/02/2021	Construction details amended.	JD	RAP	RAP
P01	07/12/2020	First Issue.	RAP	RJP	RAP



CLIENT  
L & Q ESTATES

PROJECT  
WYKHAM PARK FARM,  
BANBURY

TITLE  
ANCILLARY ROADS  
HIGHWAY CONSTRUCTION DETAILS  
SHEET 1 OF 2

HYDROCK PROJECT NO.  
C-04841-C

SCALE @ A1  
AS SHOWN

STATUS DESCRIPTION  
PLANNING

STATUS  
S2

DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)  
WPF-HYD-XX-XX-DR-C-0405

REVISION  
P03