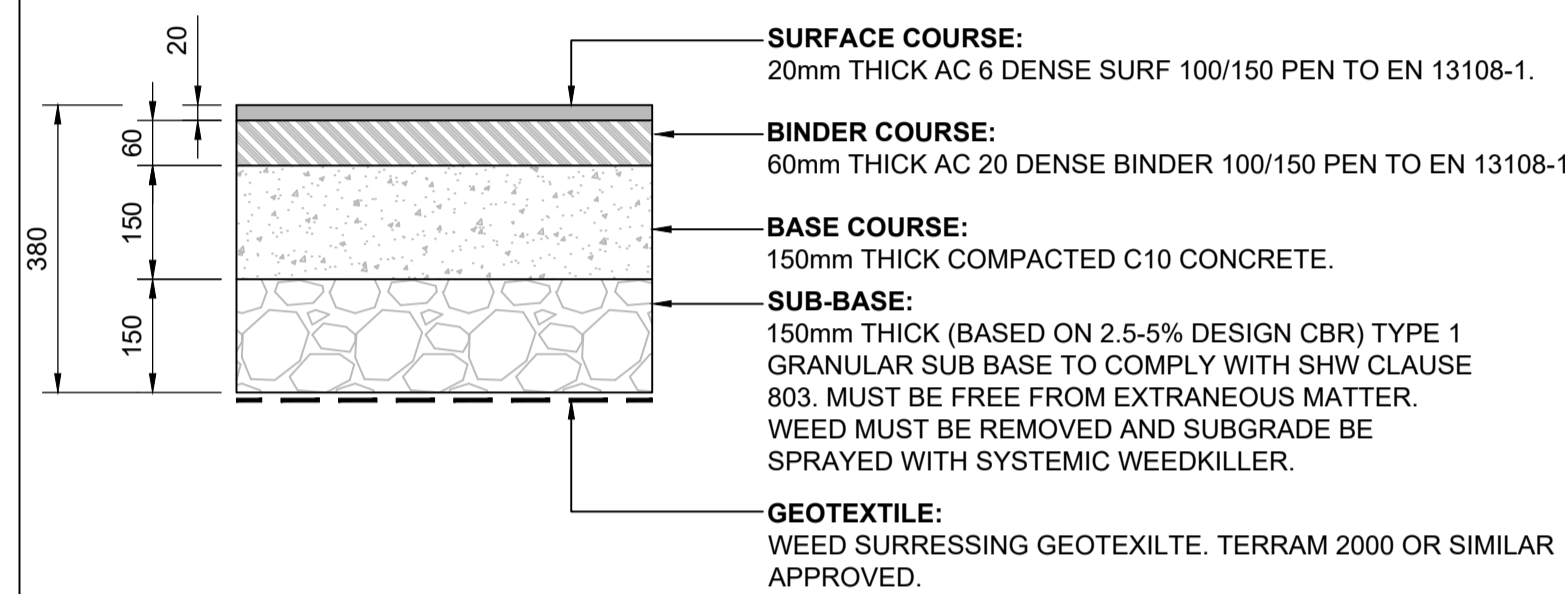


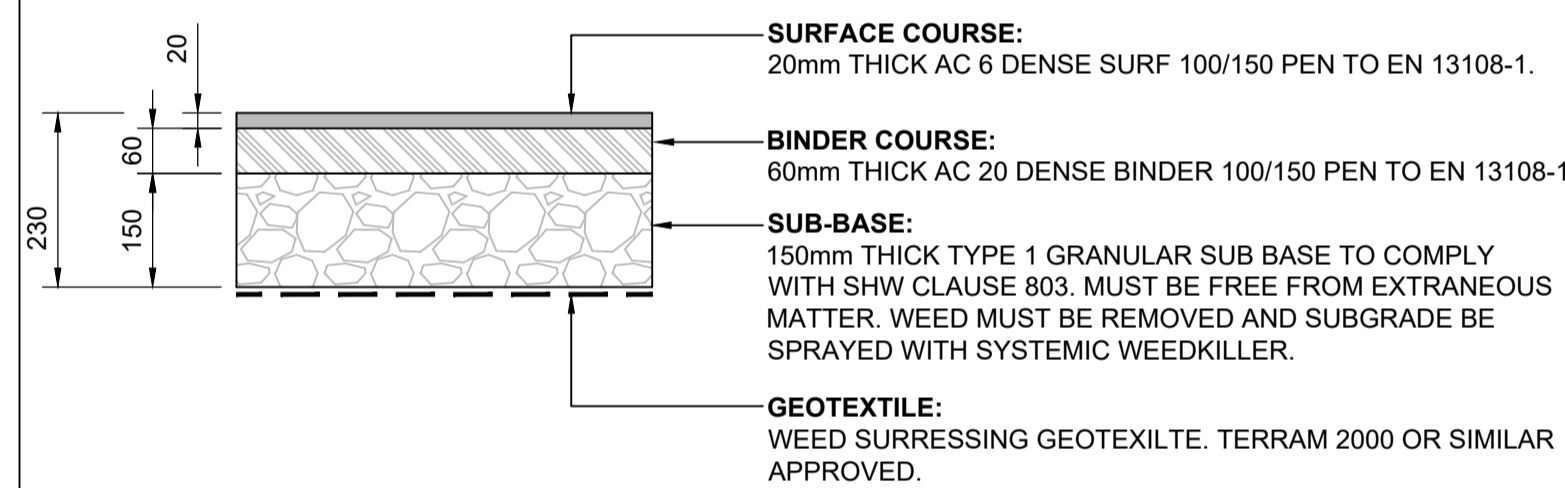
TYPE B - SECONDARY & TERTIARY ROAD CONSTRUCTION
(OCC MINOR ACCESS ROAD REF. HSD/700/005)

SCALE 1:10



FOOTWAY CONSTRUCTION ADJACENT CARRIAGEWAY / VEHICULAR CROSS OVER
(OCC FOOTWAY TYPE 2 REF. HSD/1100/010)

SCALE 1:10



SEGREGATED FOOTWAY / CYCLEWAY CONSTRUCTION REMOTE FROM CARRIAGEWAY
(OCC FOOTWAY TYPE 1 REF. HSD/1100/005)

SCALE 1:10

TABLE 1: CBR FOUNDATION TABLE
TAKEN FROM OXFORDSHIRE COUNTY COUNCIL GUIDANCE APRIL 2021

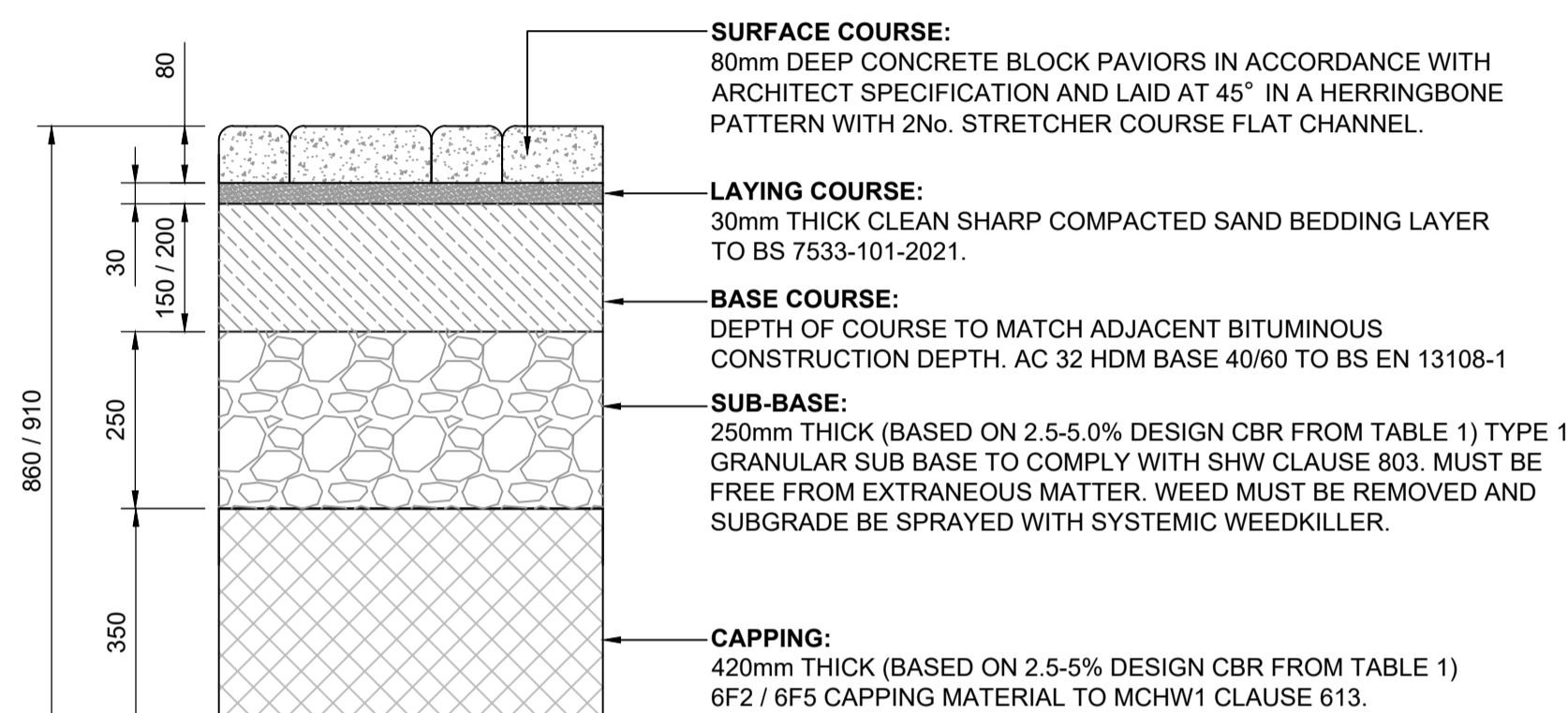
CBR (%)	FOUNDATION CBR TABLE		SUBBASE ONLY (MM)
	SUBBASE ON CAPPING (MM)		
	SUBBASE	CAPPING	
<=2.5	GROUND STABILISATION		GROUND STABILISATION
2.5 - 5.0	250	420	420
5.0 - 7.5	200	250	265
7.5 - 10.0	165	220	240
10.0 - 12.5	150	200	220
12.5 - 15.0	150	170	210
15>=	150	150	200

(FIGURES USED IN TABLE 1 HAVE BEEN BASED ON CD225 DESIGN FOR NEW PAVEMENT FOUNDATION).

- THE CBR TABLE BELOW IS BASED ON CLASS 2 RESTRICTED FOUNDATION DESIGN. CLASS 2 FOUNDATION CAN ONLY BE USED WHERE THE DESIGN TRAFFIC DOES NOT EXCEED 80msa.
- 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 USE SUBBASE ON CAPPING FOUNDATION TYPE.

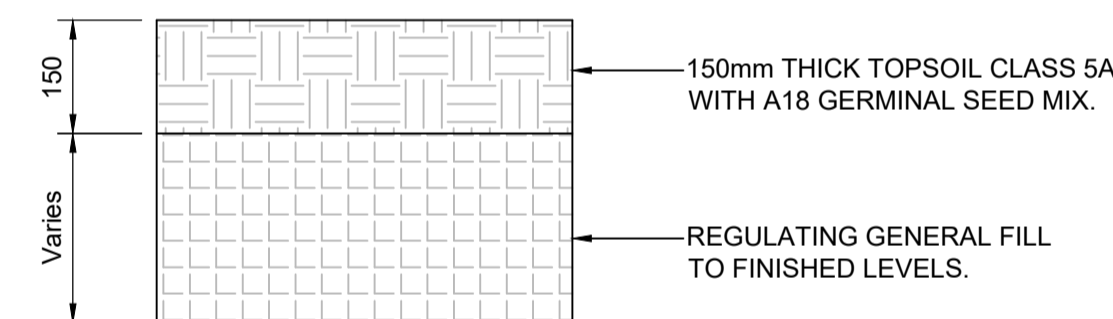
FOUNDATION NOTES:

1. THE PAVEMENT FOUNDATION HAS BEEN BASED ON THE DESIGN CBR OF 2.5% TAKEN FROM HYDROCK GROUND INVESTIGATION REPORT 27141-HYD-XX-XX-RP-GE-1002-S0-P01.
2. 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 DESIGN FOR GROUND STABILISATION / FOUNDATION IMPROVEMENT IS REQUIRED TO BE SUBMITTED AND APPROVED BY OCC ENGINEER.
3. 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.
4. GRADING CERTIFICATES FOR ALL GRANULAR FILL ARE TO BE PROVIDED FOR EVERY 500 TONNES OF MATERIAL.
5. FOUNDATIONS ON COHESIVE SOILS ARE TO BE SUB BASE ON CAPPING FOUNDATION TYPE.
6. GROUND STABILISATION
SUBGRADE CBR RESULTS OF LESS THAN 2.5% WILL REQUIRE GROUND IMPROVEMENTS IN ACCORDANCE WITH THE OPTIONS PROVIDED IN CD 225. THE METHOD OF GROUND IMPROVEMENT AND FOUNDATION DESIGN IS TO BE APPROVED BY OCC SCHEME ENGINEER PRIOR TO IMPLEMENTATION. IF GROUND IMPROVEMENT PROCEEDS IN THE ABSENCE OF OCC ENGINEER APPROVAL, THIS COULD RESULT IN THE ROAD BECOMING UNADOPTABLE OR REMEDIATION AT THE DEVELOPERS EXPENSE.
7. RECYCLED TYPE 1 ACCEPTABLE FOR USE. MATERIAL TO COMPLY WITH SERIES 600 OF MCHW AND OCC'S SPECIFICATION AND ACHIEVE COMPLIANT FROST HEAVE TEST RESULTS.



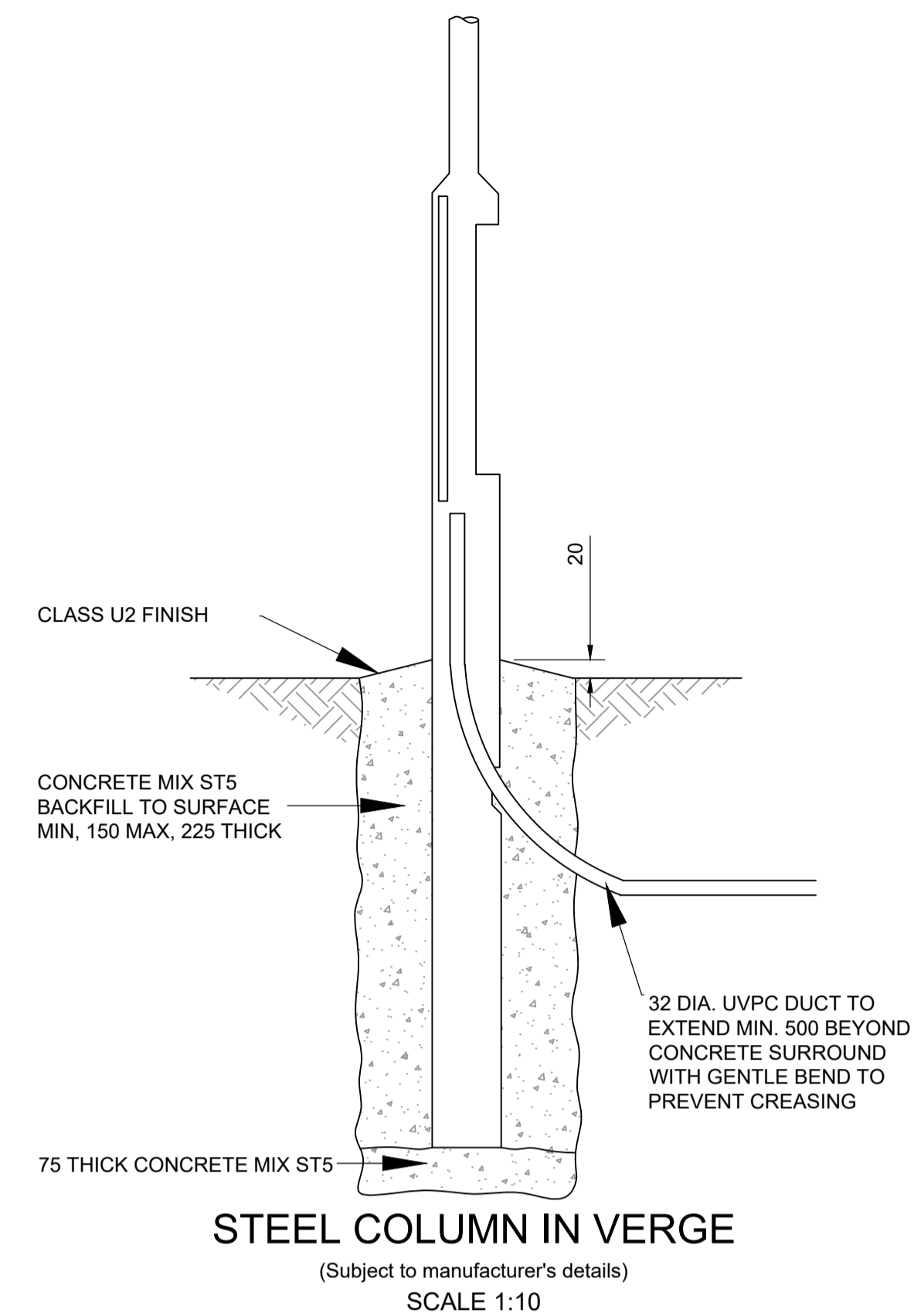
BLOCK PAVING CARRIAGEWAY CONSTRUCTION
(OCC REF. HSD/1100/040)

SCALE 1:10



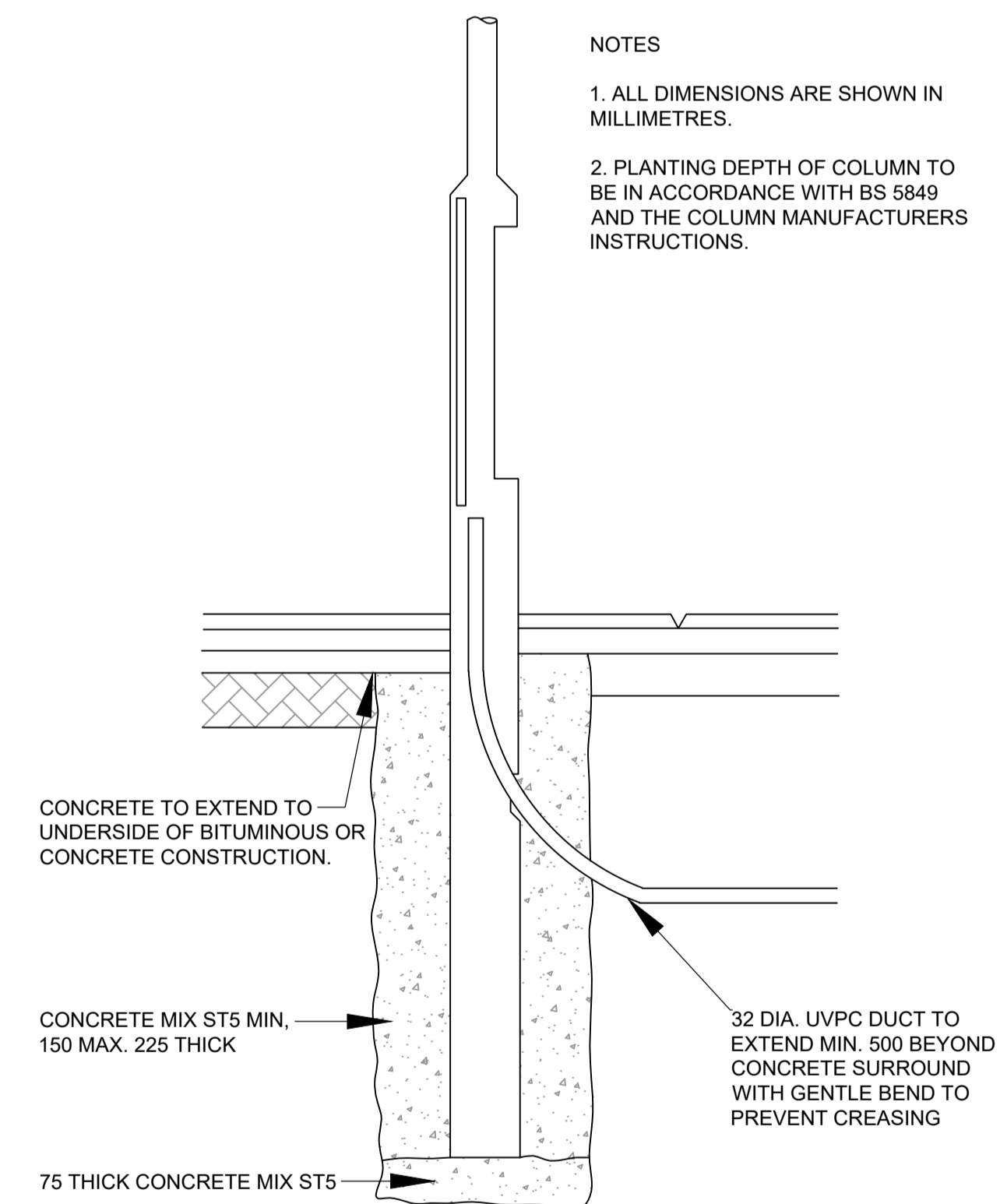
TYPICAL VERGE CONSTRUCTION

SCALE 1:10



STEEL COLUMN IN VERGE

(Subject to manufacturer's details)
SCALE 1:10



STEEL COLUMN IN PAVED AREA

STREET LIGHTING COLUMN ERECTION

(Subject to manufacturer's details)
SCALE 1:10

- NOTES:
1. All Works are to be constructed in accordance with Oxfordshire County Council and the Highways Agency's Specification for Highway Works (SHW) March 1998 as amended published by The Stationary Office
 2. All levels relate to the survey which is to Ordnance datum. Dimensions not to be scaled.
 3. Street lighting, illuminated traffic signs, bollards and associated works shall comply with Oxfordshire County Council specifications for street lighting.
 4. Use of this drawing does not absolve the client from his responsibilities under the Health and Safety: The Construction Design and Management Regulations 2015. The Principal Designer is required to contact Hydrock Consultants prior to permitting this drawing to be used in connection with any construction works.
 5. Any and all construction undertaken prior to relevant technical approval is done so at risk.

REVISIONS

Rev	Date	Description	By	Ckd	App
C02	19/09/24	Base course thickness on block paving detail revised. Recycled type 1 specified on detail following request from and confirmation of use from OCC. Note 7 added to foundation notes.	RAP	OD	RAP
C01	13/09/24	Plots 1-20, roads and sewers issued for construction.	JH	OD	OD
P02	09/07/24	Highway construction details updated to latest OCC standards.	OD	OD	OD
P01	08/03/24	First Issue.	BT	JAC	JAC

Roads and sewers issued for construction at request of the client.
Note site is subject to planning approval, S104, and S38.
Any construction is at risk, and subject to change

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CLIENT
CALA HOMES

PROJECT
HIMLEY VILLAGE,
BICESTER,
OXFORDSHIRE

TITLE
PHASE 2A
ADOPTABLE HIGHWAY
CONSTRUCTION DETAILS
SHEET 1

HYDROCK PROJECT NO. C-27141-C
SCALE @ A1 AS SHOWN

STATUS DESCRIPTION CONSTRUCTION
STATUS D4

DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)
27141-HYD-2A-XX-DR-C-0450
REVISION CO2