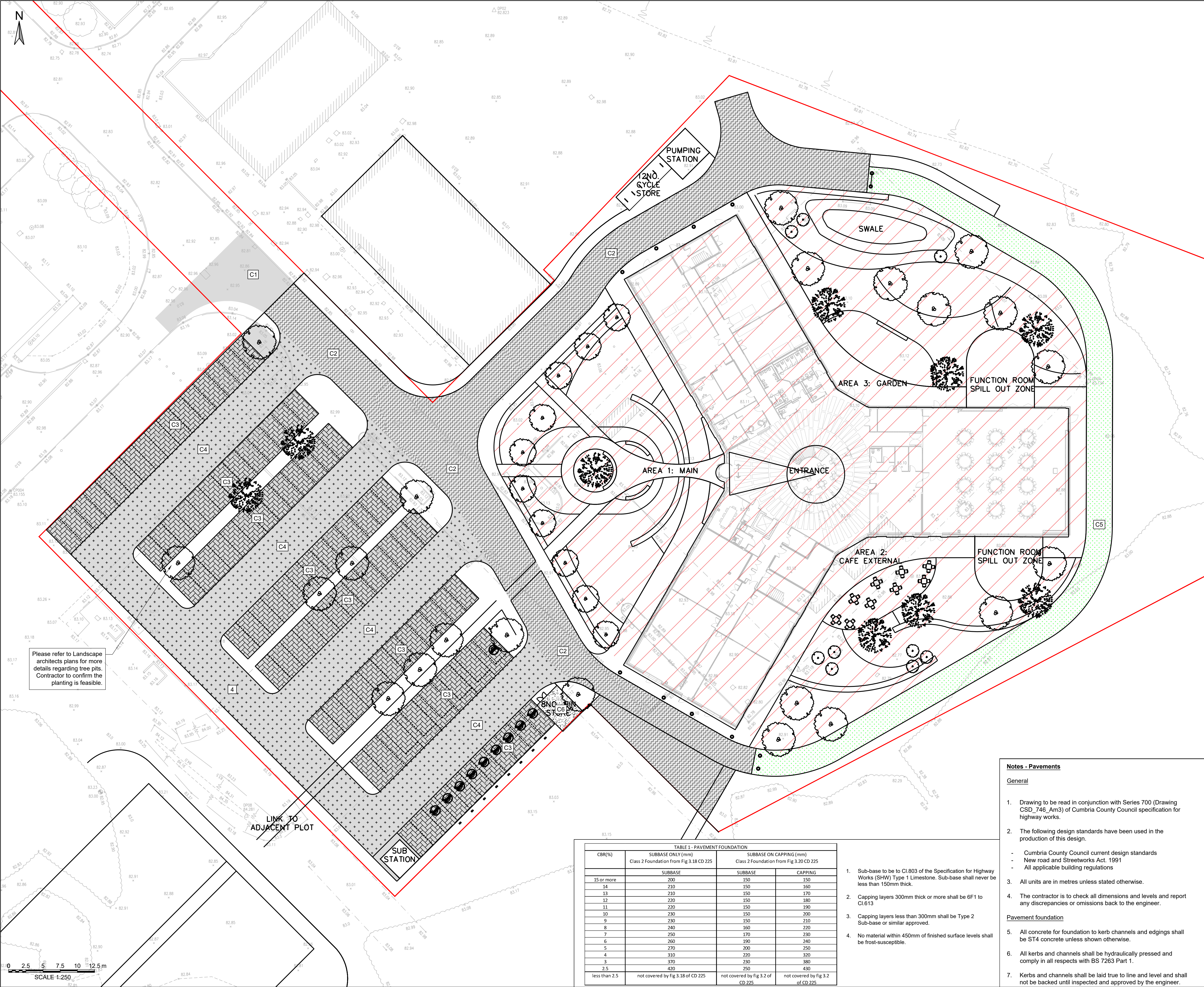




Please refer to Landscape architects plans for more details regarding tree pits. Contractor to confirm the planting is feasible.

CBR(%)	TABLE 1 - PAVEMENT FOUNDATION			
	SUBBASE ONLY (mm)		SUBBASE ON CAPPING (mm)	
	Class 2 Foundation from Fig 3.18 CD 225	Class 2 Foundation from Fig 3.20 CD 225	Class 2 Foundation from Fig 3.18 CD 225	Class 2 Foundation from Fig 3.20 CD 225
	SUBBASE		SUBBASE	CAPPING
15 or more	200	150	150	150
14	210	150	150	160
13	210	150	150	170
12	220	150	150	180
11	220	150	150	190
10	230	150	150	200
9	230	150	150	210
8	240	160	160	220
7	250	170	170	230
6	260	190	190	240
5	270	200	200	250
4	310	220	220	320
3	370	230	230	380
2.5	420	250	250	430
less than 2.5	not covered by fig 3.18 of CD 225		not covered by fig 3.2 of CD 225	

- Sub-base to be to Cl.803 of the Specification for Highway Works (SHW) Type 1 Limestone. Sub-base shall never be less than 150mm thick.
- Capping layers 300mm thick or more shall be 6F1 to Cl.613
- Capping layers less than 300mm shall be Type 2 Sub-base or similar approved.
- No material within 450mm of finished surface levels shall be frost-susceptible.

Notes - Pavements

General

- Drawing to be read in conjunction with Series 700 (Drawing CSD_746_Am3) of Cumbria County Council specification for highway works.
- The following design standards have been used in the production of this design.
 - Cumbria County Council current design standards
 - New road and Streetworks Act. 1991
 - All applicable building regulations
- All units are in metres unless stated otherwise.
- The contractor is to check all dimensions and levels and report any discrepancies or omissions back to the engineer.

Pavement foundation

- All concrete for foundation to kerb channels and edgings shall be ST4 concrete unless shown otherwise.
- All kerbs and channels shall be hydraulically pressed and comply in all respects with BS 7263 Part 1.
- Kerbs and channels shall be laid true to line and level and shall not be backed until inspected and approved by the engineer.

Key

C1

Access Road- Resurfacing
Plane out 50mm of existing carriageway and regulate with binder course to achieve proposed levels then re-surface with:
Surface Course: 50mm HRA 55/10F 40/60 rec DES to Clause 911

C2

Access Roads- Full Construction
Surface Course: 50mm HRA 55/10 F 40/60 rec DES to Clause 911
Binder Course: 50mm AC20 HDM bin 40/60 DES to Clause 929.
Base Course: 100mm AC32 HDM Dense Base 40/60 DES.
Sub-base: 230mm Type 1 unbound mixture
Capping: 380mm Granular Type 6f4 or 6f5 capping
Assumes CBR levels of 3% and values based on DMRB Table 1 for foundation details. Contractor to confirm exact CBR levels on site.

C3

Car Park Bay Construction- Permeable Paving
Laying Course: 80mm block paving laid in Herringbone pattern. Please refer to landscape architects plan for Colour. 2-6mm grit brushed into joints.
Blocks to be laid on 50mm aggregate in accordance with BS 7533-13:2009 Table A.2
Permeable geotextile membrane separation layer is implemented as per standard detail drawings.
Sub-base: 380mm Type 3 coarse aggregate 4/20 to BS7533-13:2009 as specified in Table 5.
Impermeable Membrane sits at the bottom of Sub-base.
Capping: 250mm Granular Type 6f4 Capping
Sub-base and capping layers determined using Table 5 BS 7533-13:2009 based on 1 in 100 yr event plus 20% climate change

C4

Car Park Road Full Construction
Surface Course: 50mm HRA 55/10 F 40/60 rec DES to Clause 911
Binder Course: 50mm AC20 HDM bin 40/60 DES to Clause 929.
Base Course: 70mm AC32 HDM Dense Base 40/60 DES
Sub-base: 230mm Type 1 unbound mixture
Capping: 380mm Granular Type 6f4 or 6f5 capping
Assumes CBR levels of 3% and values based on DMRB Table 1 for foundation details. Contractor to confirm exact CBR levels on site.

C5

Marshalls Grassguard or similar approved.

Paving units: To be laid in a bonded pattern to increase resistance. The bond should be perpendicular to the main flow of vehicles.
Bedding/regulating layer: 20mm blinding sand to ensure the units are adequately bedded and evenly
Subbase: 150mm Type 1 containing 20% humus type material to support root development and maintain grass growth

C6

Concrete Slab- Bin Store

200mm Thick Pav1 Concrete slab paving
Subbase: 150mm Type 1 unbound mixture separated by Geogrid or similar type membrane
Capping: 300mm Granular Type 6f2 Capping

Refer to hub design for more details

Red line boundary

PRELIMINARY ISSUE

P02	MS AND RSA COMMENTS INCORPORATED	28.07.2023	LJB	MB	LB
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Client

CUMBERLAND COUNCIL

Project Name

CLEATOR MOOR INNOVATION QUARTER (CMIQ) HUB

Sheet Title

**STAGE 4
PAVEMENTS**

TTE Project Number	Drawn By	Date	Checked By	Date	Approved By	Date	Scale @ A1	Suitability
784-B034942	LJB	May'23	MB	May'23	LB	May'23	1:250	S0

Client Project Number	Originator	Volume/System Level/Location	Type/Code	Role	Number	Revision
	CMIQ	- TTE - HUB - ZZ	- DR - H	-	0700	P02

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