

- DO NOT SCALE -

Notes:

Road and footpath surfaces are to meet architects specification.

- All works and materials to be in accordance with;
 - Cumberland Council current design standards
 - New Road and Streetworks Act. 1991
 - BGP Specifications
 - All applicable Building regulations
- All levels are in metres to Ordnance Datum (m AOD).
- The contractor is to check all dimensions and levels and report any discrepancies or omissions to the Engineer.
- This drawing is to be read only in conjunction with BGP specification and drawings.
- All concrete for foundation to kerb channels and edgings shall be Class ST2 (BS 5328) 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.
- For softscape areas refer to Architects specification & details.
- Geotextile grade to be confirmed by manufacturer.

S.H.E.

Do not excavate until all underground services have been identified and marked out. Refer to service providers drawings and to the utilities survey drawings. Unknown underground services may exist. Check for services by carrying out a scan with a cable avoidance tool. (CAT Scan)

*Capping Requirements

CBR Value (%)	Thickness of Capping Layer (mm)
> 5%	Not Required
> 2% - 5%	275
< 2%	525mm or by specialist

Notes

Where a capping layer is required it shall achieve a CBR value of not less than 15% when tested in accordance with Test Method 7 of B.S.1377.

Selected granular fill material used as capping materials shall comply with the requirements of the Manual of Contract Documents for Highway Works – CC 601 - Earthworks.

The capping requirements indicated are based on assumed Site Investigation findings.

Final capping requirements are subject to insitu CBR testing in line with the above table. Testing is to be carried out at subgrade level to confirm CBR%. CBR testing is to be carried out at 10m ctrs longitudinally along carriageways or a 10m grid in expanses of hardstanding area. Findings are to be reported to the engineer.

*Note

An assumed capping thickness has been shown based on a CBR% between 2-5%. Contractor to undertake testing of sub-grade to confirm actual in-situ CBR value. Engineer to be informed of results to confirm capping requirements.

**Note

Perforated collector pipes are required within the 4/20 coarse aggregate subbase construction to direct surface water flows towards the outfall. Final details of the position, diameter and layout of collector pipes are to be confirmed within next stage.

Note

Final construction build-ups subject to access and maintenance requirements. To be confirmed by client / architect.

Note

Flag paving shown based on small plan area pavers with depths suitable to be bedded on sand in accordance with BS7533. Paving may require mortar and / or concrete base depending on landscape architect's dimension specification of block / flag / slab type.

NOT FOR CONSTRUCTION

Stage 4 Issue	JN	C01	JJH	16.06.2026
Preliminary Stage 4 Issue	JN	P02	JJH	09.06.2026
Stage 3 Issue	JN	P01	JJH	17.03.2026
AMENDMENT	BY	REV	CHK	DATE



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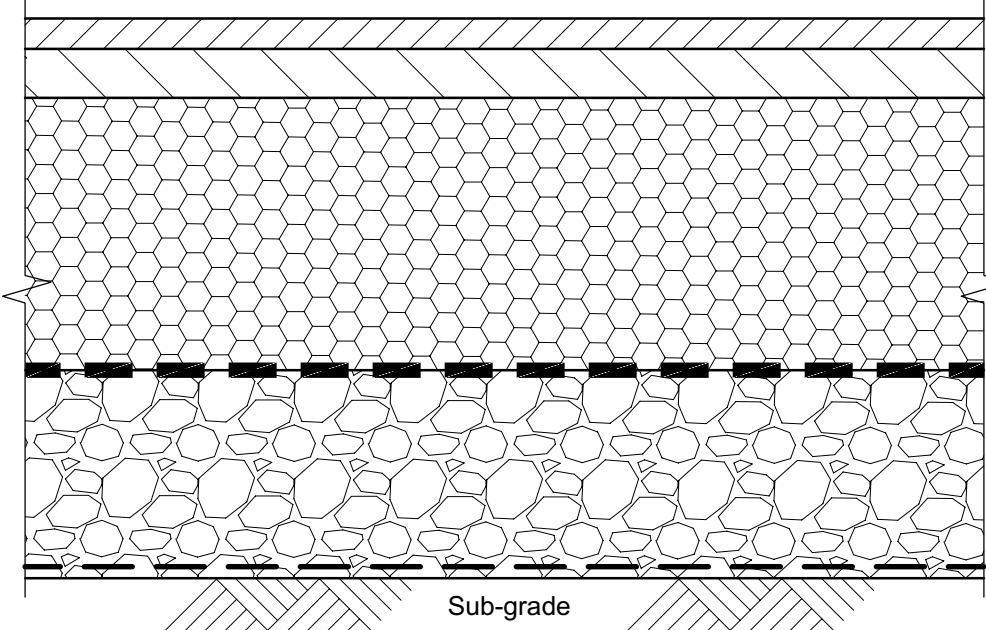
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TEESSIDE: T: 01642 876470 | TYNESIDE: T: 0191 495 4100

Client	Cumberland Council					
Project	ISH Hub					
BGP Project No.	21T2034					
Drawing Title	External Works Details Sheet 1					
Drawn	Date	Checked	Date	Size	Scale	Rev.
JN	MAR '26	JJH	MAR '26	A1	Noted	C01
Location	Originator	Volume	Level	Form	Role	Unique No.
ISH	BGP	19	XX	D	C	19120
File Reference	ISH-BGP-19-XX-D-C-19120					

In instances where this drawing completes or partly completes a contract, BGP Consulting Limited will consider that its product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.

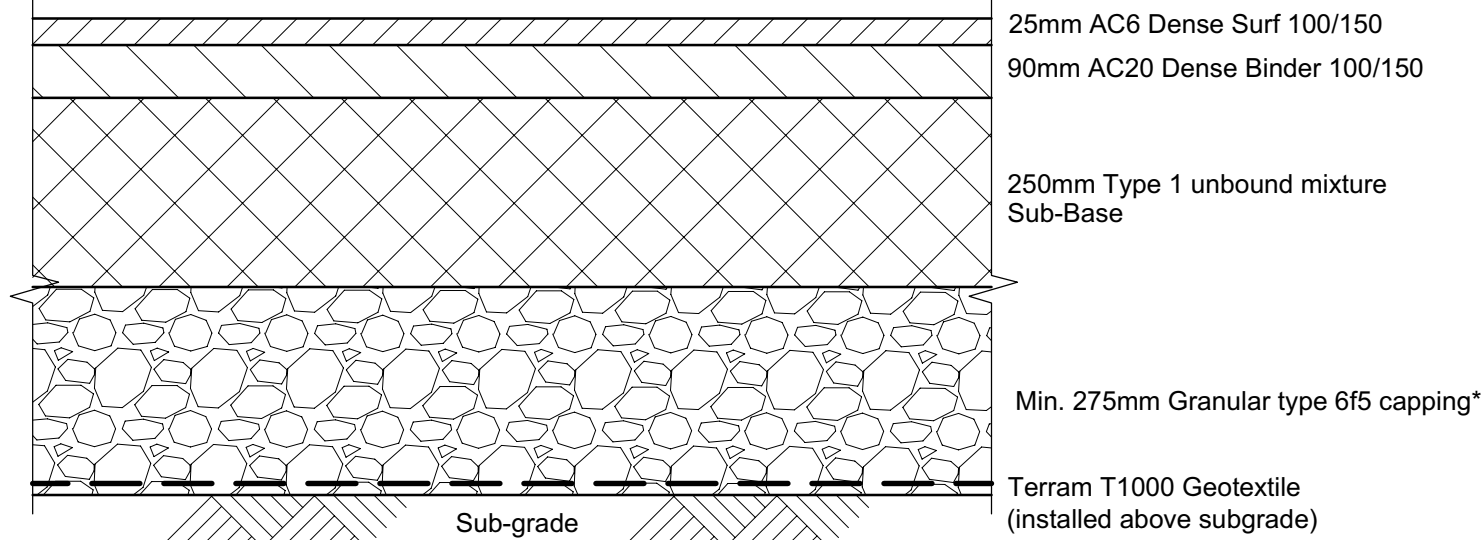
Note: Suitable for Car Loading Only



Asphalt Concrete Access Road
(MPA (1) Heavier Usage)
Scale 1:10



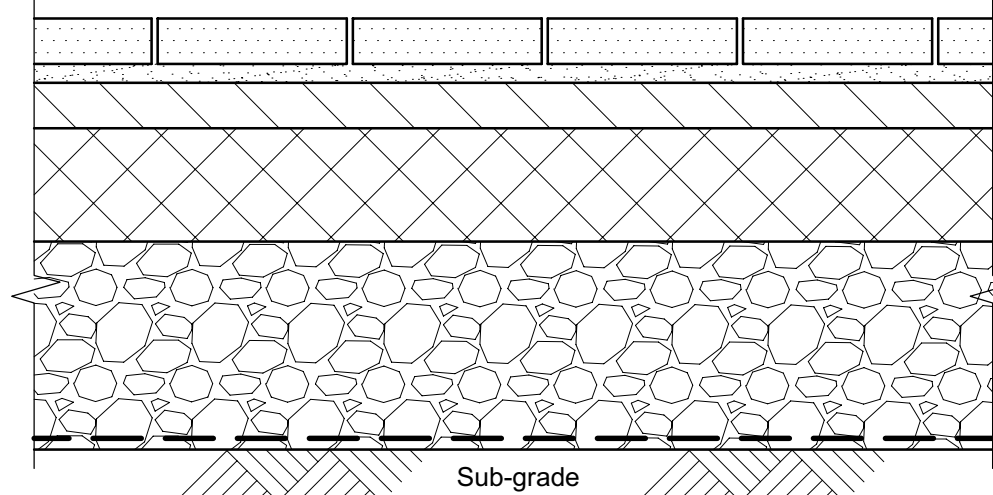
In locations where maintenance access is not required, binder course may be reduced to 50mm and sub-base can be reduced to 225mm thk. Contractor to determine locations based on Client's requirements.



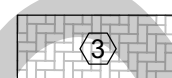
Asphalt Concrete Footpath
(MPA (11) - Heavy Vehicle Pavement)
Scale 1:10



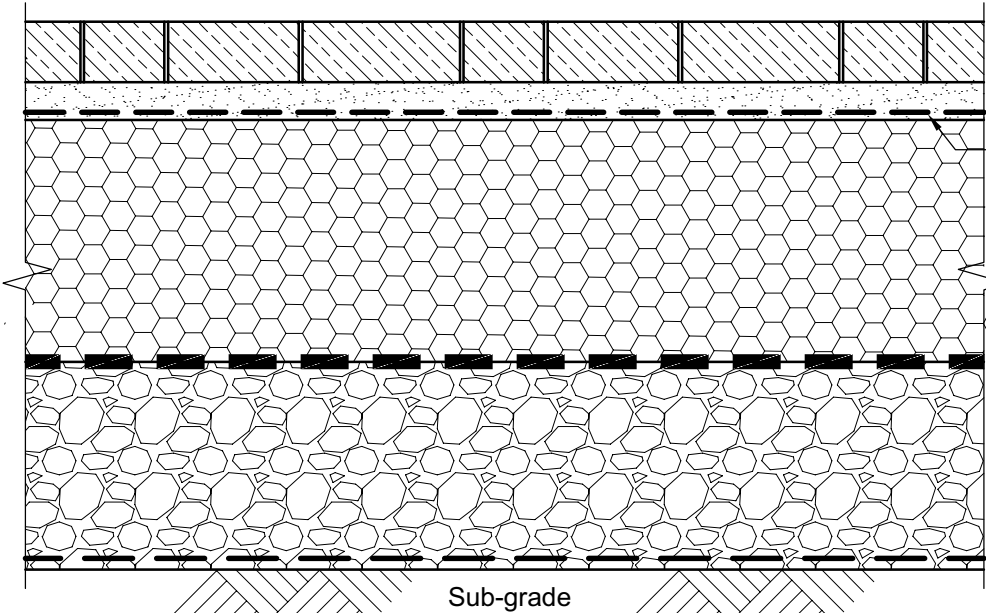
Note
This detail below allows for the below block paviour sizes noted, is Traffic Category 4 and an unbound surface construction. If the paviour unit sizes do not mimic the landscape architects details or the traffic category deemed insufficient by the client the engineer is to be informed to allow re-design of build up.



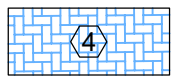
Block Paving as per Landscape
Architect Specification
(Traffic Category 4)
Scale 1:10



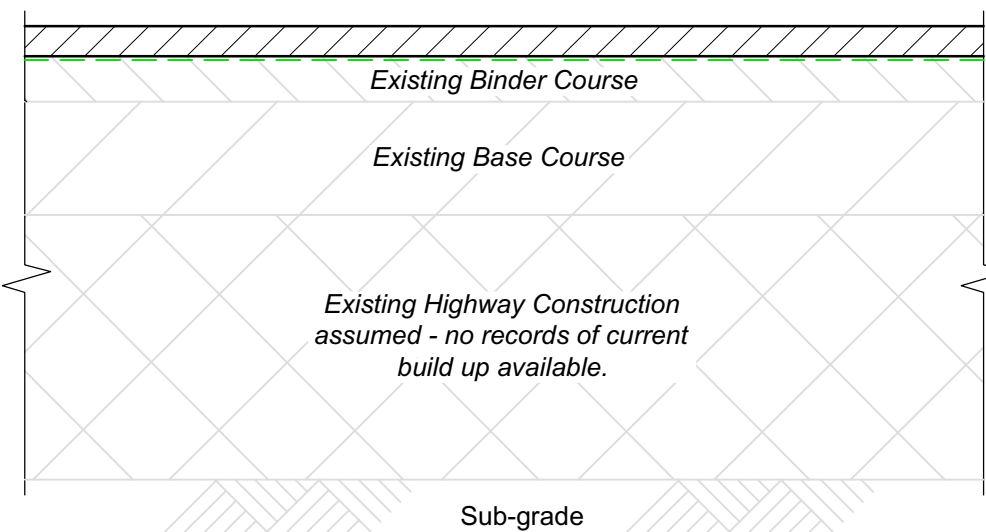
Suitable for Car loading only. If heavy construction traffic over-run is to occur during construction the contractor is to advise, if so a 70mm AC32 dense 40/60 base course is required. (Following construction and prior to installation of blocks and bedding layer. Tarmac base to be cleaned of dirt build-up with 75mm Ø holes punched through tarmac surface on a 750mm orthogonal grid and filled with compacted free draining laying course material.)



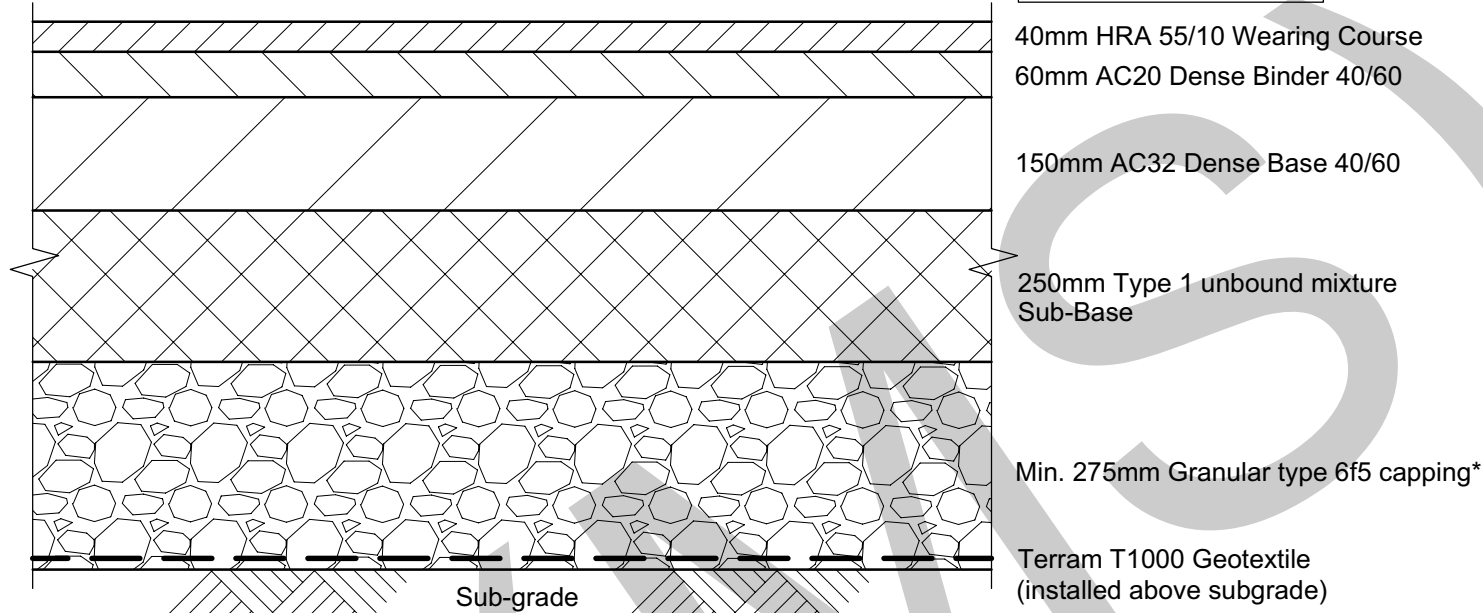
Permeable Block Paving Parking Bays
(Interpave Traffic Category 3)
Scale 1:10



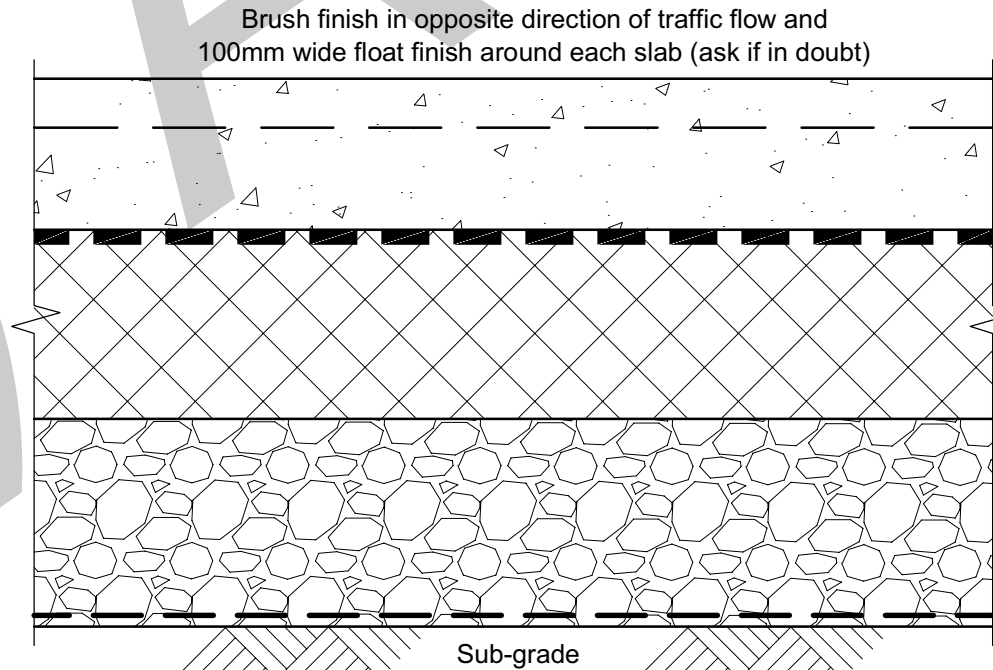
Surface Course to be scabbled to 40mm depth, entire area of existing bellmouth to have tanker applied hot bond tack coat sprayed prior to surfacing works commencing. Allow for resurfacing with:
- 40mm HRA 55/10 Wearing Course



Extent of HRA Re-surfacing
Scale 1:10



Hot Rolled Asphalt Road
(MPA (2) - Heavy Vehicles)
Scale 1:10



Concrete External Slab
(Bin Store / Cycle Store)
Scale 1:10



Permeable Paving (4/20 coarse aggregate) Sub-base, Laying and Jointing Material Specification

Tables Reproduced from BS 7533-13:2009. Contractor to confirm below recommendations meet block paving manufacturers requirements.

A.1 Grading recommendations for sub-base material

Aggregates should conform to Table A.1.

Table A.1

Sieve size	Percentage passing	
	Coarse aggregate, 4/40	Coarse aggregate, 4/20
mm		
80	100	—
63	98-100	—
40	90-99	100
31.5	—	98-100
20	25-70	90-99
10	—	25-70
4	0-15	0-15
2	0-5	0-5
1	—	—

NOTE The gradings for 4/20 are typical and advice should be sought from the block manufacturer on specific gradings suitable for their productsystem.

Note
The surface course should be inspected soon after completion and at regular intervals thereafter. Additional jointing material should be brushed in where necessary and inspected 6 months after installation to refill as required to ensure joints are fully reinstated as per the original construction.

A.2 Grading for laying and jointing material

Aggregates for laying and jointing material should conform to Table A.2.

Table A.2

BS sieve size (BS EN 993-1)	Percentage passing	
	mm	
mm		
14	100	
10	98-100	
6.3	80-99	
2.0	0-20	
1.0	0-5	

NOTE These gradings are typical, advice should be sought from the block manufacturer on specific gradings suitable for their productsystem.

Note
ALL 4/20mm coarse graded aggregate material must not be contaminated and must be protected during construction works from trafficking in accordance with Interpave Guidance

Note
Advice should be sought from the paving unit manufacturer about exactly what material is suitable for the laying course for that particular paving unit.