

SUB-BASE TABLE 1

CBR VALUE	Minimum thickness (mm) of capping layer (Consolidated in accordance with MCHW Volume 1 clause 801, table 6/1)		Notes
	Without Geotextile	With Geotextile	
Less than 1%	N/A	600mm	Geogrid required
Less than 2%	N/A	600mm	
> 2% - 2.5%	450mm	N/A	150mm
> 2.5% - 5%	300mm	N/A	Alt. 350mm Subbase Only
> 5% - 15%	N/A	N/A	225mm
Greater than 15%	N/A	N/A	150mm

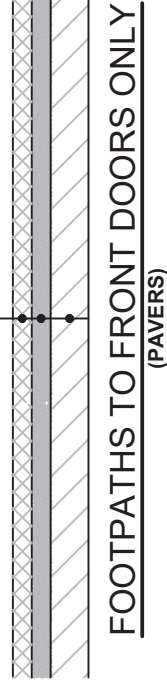
SUB BASE TABLE 2

CBR VALUE	Minimum thickness (mm) of sub-base (Consolidated in accordance with MCHW Volume 1 clause 801, table 8/1)	
	Without Geotextile	With Geotextile
Less than 2%	N/A	300mm
2% - 3%	325mm	225mm
>3% - 5%	250mm	150mm
>5% - 7%	150mm	
>7% - 20%	100mm	

Paving Slabs: 38mm" Thick Concrete Paving Slabs.

Base Course: 50mm Semi Dry Mix Cement/Sharp Sand 1:8 Max

Sub-base course: 100mm of Granular Sub-Base Material, Type 1 To Clause 803



FOOTPATHS TO FRONT DOORS ONLY (PAVERS) (Scale 1:20)

Any path to front doors which are adjacent to a drive should utilise 50mm thick slabs as opposed to 38mm thick slabs, to mitigate possible vehicle over-run.

CONTRACTOR TO ASSUME MAXIMUM CAPPING LAYER THICKNESS PRIOR TO CONFIRMATION OF CBR TESTING.

NOTE: 450MM MINIMUM OVERALL CONSTRUCTION MUST BE MET IN COMPLIANCE WITH FROST SUSCEPTIBILITY, IRRESPECTIVE OF SUBGRADING CBR VALUE.

All areas regarded as 'soft spots' are to be excavated and replaced with suitable material within the extents of new Public Highway/Private access roads. The contractor must assess areas of former foundations and trees to ensure and of former foundations and trees to ensure and 'soft spots' are dealt with satisfactorily.

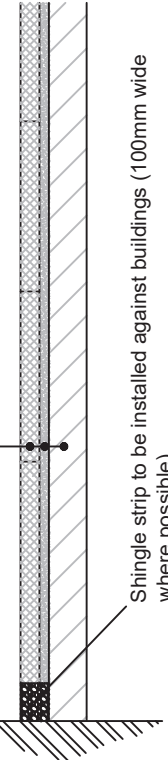
BOND AND TACK COAT SHOULD BE PROVIDED FOR BITUMINOUS MIXTURES IN ACCORDANCE WITH BS 4987:2 OR BS 594-2.

PAVING SLABS TO BE SET 5mm ABOVE ADJACENT DRAINAGE CHANNELS/GULLIES.

Precast concrete paving slabs (butt jointed) Colour - Natural. Side and rear paths paving slabs, 38mm thick, laid staggered. Pathuse in 450x450mm slabs, 38mm thick, laid staggered.

Surface course: 25mm Sharp sand to BS 7533-3 Category II of Annex D.

Laying course: 100mm thick min. clean well consolidated crushed rock, hardcore (max 75mm size) or concrete.



Shingle strip to be installed against buildings (100mm wide where possible)

Paving slabs to be set 5mm above adjacent drainage channels/gullies

PRIVATE HOUSE PATHS, PATIOS CONSTRUCTION (FOR PEDESTRIAN LOADING ONLY) (Scale 1:20)

Surface course: 60mm thick Precast concrete permeable block pavers

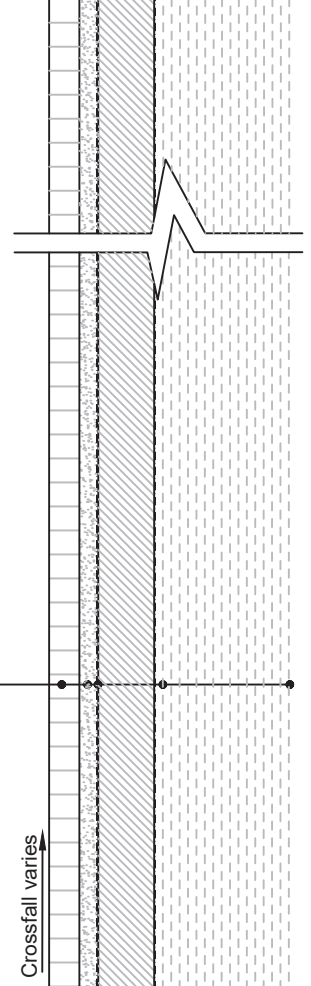
Laying course: 50mm of 6mm crushed clean stone (6mm Pritra aggregate) to BS682.

Geotextile/Membrane: Non-woven geotextile (TRP4000, 300 g/m²)

Structure: 150mm Geoweb; plus clean angular stone (4-20mm)

Geotextile/Membrane: Non-woven geotextile (TRP4000, 300 g/m²)

Base: Sub-grade; clean angular stone/sharp sand sub-base for level



NOTE: No-dig tree protection system to be installed in strict accordance with the manufacturers details.

ACCESS ROAD CONSTRUCTION - NO DIG TREE PROTECTION SYSTEM (FREEDRAINING) (Scale 1:20)

(Cars and infrequent commercial use)

Surface course: 60mm thick Precast concrete permeable block pavers

Laying course: 50mm of 6mm crushed clean stone (6mm Pritra aggregate) to BS682.

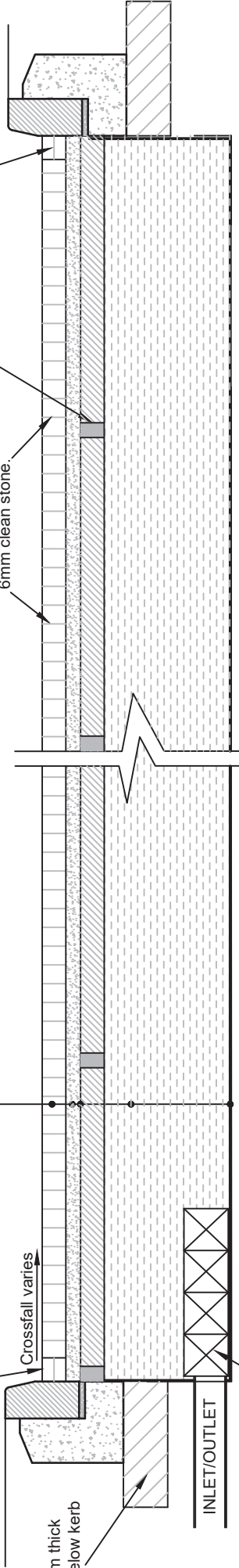
Temporary Running Surface: 60mm THICK AC 20:30 dense base 50 Pen Binder to BS 59487:2007 AND BS EN 13108.

750 holes @ 0.75m metre horizontal and vertical centres to be drilled and filled with laying course aggregate

Sub-base course: 625mm (min) THICK Marshall's Open Graded Crushed Rock with a min porosity of 22% in accordance with ISO EN 12620:2002 (class Z) (CDR 3%)

Structure: Geotextile/Membrane: depending on manufacturers requirements

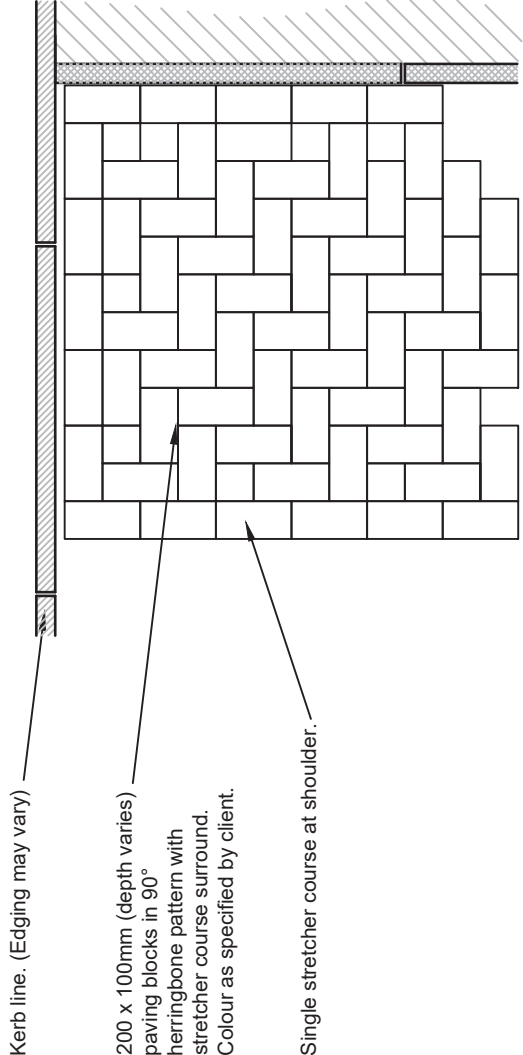
Marshall's MM330 Jankling membrane



NOTE: No-dig tree protection system to be installed in strict accordance with the manufacturers recommendation and instructions.

ACCESS AND PARKING CONSTRUCTION - POROUS (TANKED) (Scale 1:20)

(Cars and infrequent commercial use)



BLOCK PAVING ARRANGEMENT PLAN (Scale 1:20)

Blocks laid in accordance with BS 6717.

Curbs: 75mm deep/sleeper blocks x 750mm concrete through DBA surface and sub-base along all low channels.

Fill holes with 2.4mm clean stone.

Single row of stretcher bond parallel to Kerb line.

In fill joints with 6mm clean stone.

Single row of stretcher bond parallel to Kerb line.

Kerb line. (Edging may vary)

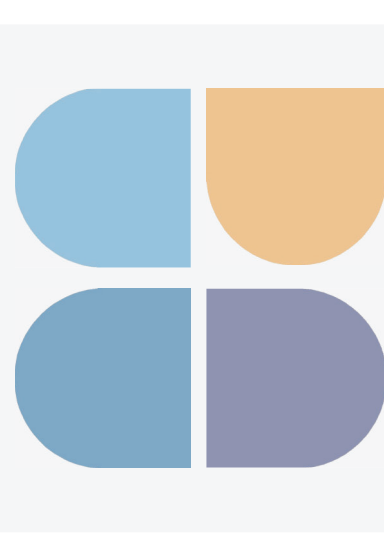
200 x 100mm (depth varies) paving blocks in 90° herringbone pattern with edging.

Colour as specified by client.

Single stretcher course at shoulder.

1. This drawing is to be read in conjunction with all other BPC drawings and with all relevant Architect's and Engineer's drawings and specifications. Discrepancies found are to be reported immediately to the Engineer.
2. BPC accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimetres unless noted otherwise and all levels are in metres from the appropriate survey datum.
4. Any information given regarding existing underground services is based on the best available information. The contractor is responsible for checking the accuracy of this information. If the contractor is responsible for checking the accuracy of this information, the contractor must be aware of the fact that the information may be out of date and that the contractor must be aware of the fact that the information may be out of date.
5. All dimensions to be checked on site. All depths and dimensions relating to sub-construction work must be checked and agreed between the sub-contractor or supplier and the general contractor, as dimensionally drawn exact. Figured dimensions must be used for all dimensions relating to sub-construction work. If the contractor is responsible for checking the accuracy of this information, the contractor must be aware of the fact that the information may be out of date and that the contractor must be aware of the fact that the information may be out of date.
6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for all dimensions relating to sub-construction work. If the contractor is responsible for checking the accuracy of this information, the contractor must be aware of the fact that the information may be out of date and that the contractor must be aware of the fact that the information may be out of date.
7. The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
8. The main contractor is responsible for dealing with all occurrences of ground water during the construction period.
9. The contractor must comply with all current legislation relating to health & safety.
10. All products specified shall be installed in strict accordance with the manufacturers instructions. If the contractor is responsible for checking the accuracy of this information, the contractor must be aware of the fact that the information may be out of date and that the contractor must be aware of the fact that the information may be out of date.
11. All Earthworks in accordance with the Specification for Highway Works.

A	Revised Issue	15/07/2021	Date
X	Original Issue	18/05/2021	
Rev	Amendments		



BRIGHT PLAN CIVILS
Transport Planning and Infrastructure Design Consultants
2 West Burn, Nelson Lane, Chorley, West Sussex PO20 3AF
Tel: 01243 826100
www.brightplan.co.uk

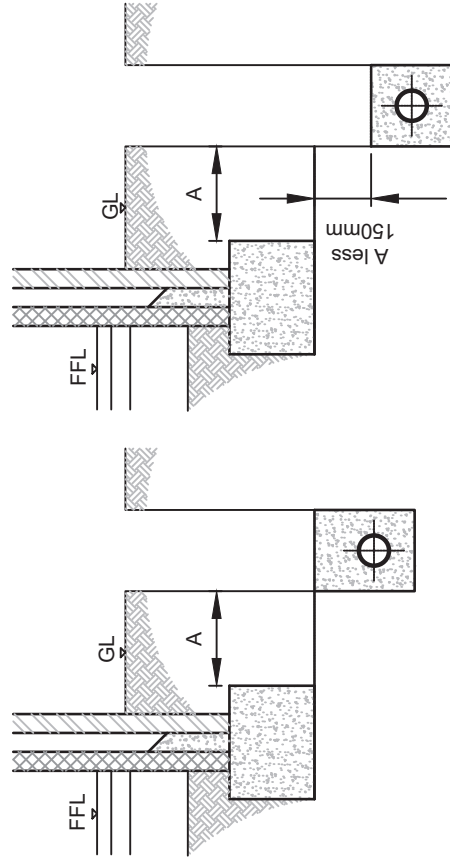
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FOR APPROVAL
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Future Group Development Ltd

Project
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Pagham Road, Bognor Regis PO21 30B
Drawing Title
Construction Details

Scale
As Shown
Date
July '21
Down By
DIL
Checked By
MJA
Drawing No.
D1966-401
Rev.
A

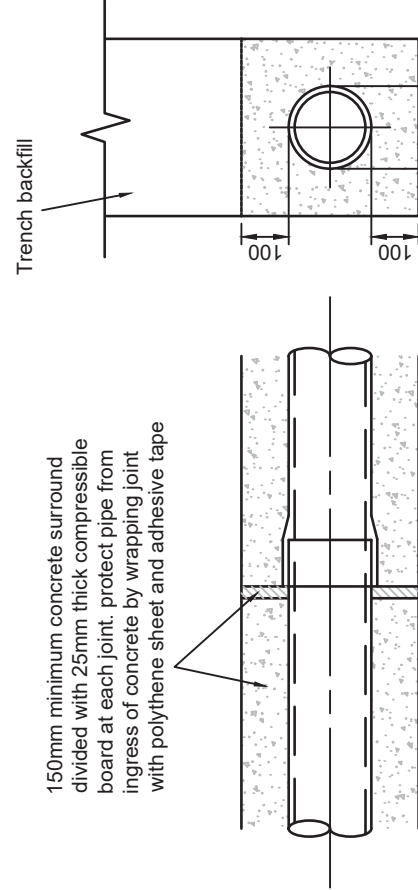
DESIGN PENDING \$106
TECHNICAL APPROVAL

FOR APPROVAL
--=NOT FOR CONSTRUCTION==



Where 'A' is less than 1.0m, concrete fill trench to this level

DETAIL OF PIPE RUNS NEAR BUILDINGS (Scale 1:10)

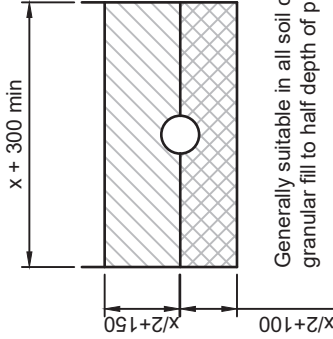


150mm minimum concrete surround divided with 25mm thick compressible boards at each joint. Protect pipe from frost by covering with polythene sheet and adhesive tape

CONCRETE BED AND SURROUND TO PIPES UNDER DRIVES AND GARDENS
Depth of cover: less than 0.35m under private gardens and 0.5m under private drives

(Scale 1:20)

LEGEND:
Selected fill: free from stones larger than 40mm, lumps of clay over 100mm, timber frozen material and vegetable matter.
Concrete material should conform to BS 882:1983 table 4 or BS5301:1985 Appendix D. Compaction fraction > 0.3 for class N > 0.2 for class F and B.



Generally suitable in all soil conditions granular fill to half depth of pipe

'X' - Denotes external pipe diameter.

PIPE BEDDING DETAIL UNDER DRIVES AND GARDENS (Scale 1:20)

PERMITTED PIPE/BEDDING TYPES

DEPTH OF COVER BELOW ROADS	
1.2m-3.5m	LESS THAN 1.2m
PIPE BEDDING	TYPE S
PIPE TYPE	CONCRETE CLASS M TO BS5911 OR VITRIFIED CLAY TO BS45, WITH FLEXIBLE JOINTS, MINIMUM CLASS FOR 225 AND 300mm, EXTRA STRENGTH CLASS FOR ALL OTHER SIZES.

CLASS 'S' PIPE BEDDING (Minimum depth of cover 1.2m)

CLASS 'Z' PIPE BEDDING (Depth of cover less than 1.2m)

PIPE BEDDING DETAILS (UNDER HIGHWAYS) (Scale 1:20)