



- Notes:**
1. This drawing is to be read in conjunction with all relevant architects, engineers and specialist sub-contractors drawings and the specification.
 2. All setting out to be in accordance with the architects drawings. Any discrepancies between the engineers and the architects drawings to be referred to the architect before proceeding. Dimensions must not be scaled.
 3. All asphalt concrete materials to be provided and laid in accordance with EN13108-1 and 5, BS 594987:2007 and PD6691:2007.
 4. Capping layer material to be in accordance with the Highway Authority 'Specification for Highway Works' table 6/1, 6/2 and 6/4. contractor to provide certificates to confirm compliance.
 5. Well graded crushed material to be clean and free of plastic, metal, plaster etc, passing a 75mm screen on compacting plant and graded to have a uniformity coefficient greater than 10. contractor to provide certificates to confirm compliance.
 6. Contractor to allow for all works on the public highway to be in accordance with the local Highway Authority requirements. contractor to allow for applying for all 'road opening licences' and paying all necessary fees.
 7. Overlapping elements of stepped joints shall normally be 300mm except where this places the joint in the wheel track, whereupon on c class and unclassified roads the overlap may be reduced to 150mm, and on a and b class roads the overlapping elements shall be extended in accordance with lan 154/12. any overlapping elements less than 300mm shall be agreed with the wsc engineer and/or wsc inspector.
 8. Insitu concrete paving to be in accordance with BS 8500-1 and BS EN 206-1.
 9. All highways macadam materials to be in accordance with the Highways Agency 'Specification for Highway Works' series 900 for roads and series 1100 for footways.
 10. All precast concrete kerbs, channels, edgings and quadrants to be manufactured and laid in accordance with BS EN 1340 - 2003.
 11. All pavements constructed with concrete, clay or natural stone pavers to be in accordance with BS 7533 all relevant parts.
 12. Concrete block pavers including permeable blocks to be in accordance with BS EN 1388.
 13. Clay pavers to be in accordance with BS EN 1344.
 14. Sand bedding layer to pavers to be in accordance with the table in BS 7533-3 annex D. All pavers to be laid and compacted in accordance with all relevant parts of BS 7533.
 15. Unless specified elsewhere all pavers will be laid in a 45° herringbone pattern.
 16. Block paving immediately adjacent to features like drainage channels to be fixed in place using epoxy mortar minimum 14mm thick.
 17. Contractor to allow for saw cutting all joints where new works extend into existing highway construction. Allow for painting of joints with bitumen emulsion reinstatement of chase all in accordance with highway authority requirements.
 18. Preformed internal and external angle kerbs to be used where appropriate, mitring of kerbs is not acceptable
 19. Cut and Fill volumes calculated on the basis of an average 0.533m construction depth throughout the site. Calculation does not include topsoil strip volume.

Cut & Fill Legend			
Number	Minimum Level	Maximum Level	Colour
1	-0.90m	-0.60m	Red
2	-0.60m	-0.30m	Light Red
3	-0.30m	-0.05m	Pink
4	-0.05m	0.05m	Light Green
5	0.05m	0.30m	Green

Note:
This drawing should be printed in colour.

T3	13.12.21	Amended to actual paving depths
T2	07.12.21	Amended to 533mm construction depth.
T1	06.12.21	Drawn
Rev.	Date	Description



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Client
RICHMOND MOTOR GROUP

Project Title
Saltbox

Drawing Title
**External Works
Cut and Fill Layout**

Drawing Status
For Information

Originator No	Rev by	Chk by	Scale
114378	DB	PW	1:250 @A1

PROJECT ORIGINATOR ZONE LEVEL TYPE ROLE NO	Revision
114378-CAL-XX-XX-DR-D-0202	T3

Note: Cut and Fill volumes calculated do not include topsoil strip volume, drainage trenches, strip footings or vibro-piles. Volume does not include bulking factor.

CUT & FILL FOR COMMENT

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2D Area	Cut	Fill	Net
Macadam Car Park Cut Fill	1.000	1.000	3923.874sq.m	892.039 Cu. M.	34.528 Cu. M.	857.512 Cu. M.<Cut>
Permeable Paving Cut Fill	1.000	1.000	1589.523sq.m	708.395 Cu. M.	0.257 Cu. M.	708.139 Cu. M.<Cut>
Footpath Cut Fill	1.000	1.000	360.293sq.m	75.308 Cu. M.	1.057 Cu. M.	74.251 Cu. M.<Cut>
Access Road Cut Fill	1.000	1.000	514.073sq.m	171.251 Cu. M.	171.251 Cu. M.<Cut>	
Building Cut Fill	1.000	1.000	1741.105sq.m	133.161 Cu. M.	70.406 Cu. M.	62.755 Cu. M.<Cut>
Valet-Bins Cut Fill	1.000	1.000	135.039sq.m	1.479 Cu. M.	9.717 Cu. M.	8.237 Cu. M.<Fill>
Pad Foundations	1.000	1.000		37.410 Cu. M.	0.000 Cu. M.	37.410 Cu. M.<Cut>
Tank + Slabs	1.000	1.000		847.000 Cu. M.	0.000 Cu. M.	847.000 Cu. M.<Cut>
Totals			8263.908sq.m	2866.045 Cu. M.	115.964 Cu. M.	2750.081 Cu. M.<Cut>