



OPTION A : TYPICAL ROOT BARRIER INSTALLED AT BACK OF KERB IN NORMAL GROUND

ROOT BARRIER SUPPLY AND/OR COMPLETE INSTALLATION AVAILABLE, CONTACT ROOT BARRIER. PHONE 1300 136 644. WWW.ROOTBARRIER.COM.AU

DESIGN & INSTALLATION GUIDELINES (INCLUDING TYPICAL)

NORMALLY PLACED BETWEEN THE TREE AND WHATEVER YOU WISH TO PROTECT. TRY **NOT** TO SURROUND THE TREE. OUR PREFERRED METHOD IS PLACING THE ROOT BARRIER ALONG BESIDE THE PATH, BUILDING, PIPE ETC SO THAT THE TREE ROOTS CAN NOT GAIN ACCESS TO THE STRUCTURE. TO STABILISE MOISTURE IN REACTIVE CLAYS UNDER THE STRUCTURE A DEEPER BARRIER IS REQUIRED.

SEAL

SODIUM BENTONITE OR OTHER ROOT GROWTH INHIBITOR IS USED TO SEAL THE BOTTOM OF THE TRENCH AND BIND THE BOTTOM OF THE ROOT BARRIER TO THE UNDISTURBED SOIL. IN SUMMARY, TAKE THE BARRIER DOWN TO SOIL THAT NOTHING CAN GROW IN AND BIND THE ROOT BARRIER TO IT.

LENGTH

SUFFICIENT TO STOP THE ROOTS GOING AROUND THE EDGE OF THE BARRIER, NORMALLY 1 OR 2 METRES OUTSIDE THE DRIP LINE OF THE TREE.

TREE CARE

WORKING IN FROM THE DRIP LINE, (THE EDGE OF THE LEAVES) THE CLOSER YOU GET TO THE TRUNK THE HIGHER THE RISK OF DAMAGING OR DESTABILISING THE TREE. 50% OF THE DISTANCE FROM THE DRIP LINE TO THE TRUNK (20% OF THE TREES TOTAL ROOT PLATFORM) IS REGARDED AS THE CLOSEST YOU CAN CUT WITHOUT MAJOR RISK TO PLANTS HEALTH. IF IT IS NECESSARY TO CUT CLOSER THAN HALFWAY TOWARDS THE TRUNK, IT WOULD BE ADVISABLE TO ENGAGE THE SERVICES OF AN ARBORIST TO ASSESS THE TREE PRIOR TO THE WORK BEING CARRIED OUT, AND TO HELP NURSE THE TREE THROUGH THE PERIOD OF INSTALLATION

BARRIER PLACEMENT

1. DIG A TRENCH TO THE REQUIRED DEPTH, INSERT ROOT BARRIER. ENSURE 50mm OF ROOT BARRIER IS LEFT ABOVE FINISHED GROUND HEIGHT (THIS IS TO ALLOW FOR SETTLEMENT AND MAY BE TRIMMED OFF LATER).
2. IN THE BASE OF THE TRENCH PLACE A LAYER OF PURE SODIUM BENTONITE 50mm TO 100mm DEEP THEN BACK FILL

PIPE CROSSINGS

IDEALLY CUT ALL SERVICES, LAY ROOT BARRIER AND CUT SMALL HOLES FOR PENETRATIONS TO REINSTATE SERVICES, SEALING CROSSINGS WITH SODIUM BENTONITE.

ALTERNATIVE METHOD IS : AFTER TRENCH IS DUG AND PIPE COMPLETELY EXPOSED, SLOT ROOT BARRIER AND PLACE IN THE TRENCH, USING A SECOND PIECE OF BARRIER 300mm WIDE x THE DEPTH OF THE TRENCH BELOW THE PIPE, PLACE OVER THE SLOT. LASTLY ADD A BAG OR TWO OF PURE SODIUM BENTONITE TO THE LOCATION TO ENSURE A ROOT AND WATER PROOF SEAL.

JOINS

OVERLAP 300mm, PLACE A 20mm SPACER VERTICALLY BETWEEN THE TWO LAYERS OF OVERLAPPING BARRIER AND BACK FILL THE TRENCH. THIS WILL CREATE AN ALMOND SHAPED VOID AROUND THE SPACER, POUR BENTONITE INTO THIS VOID AND REMOVE THE SPACER AS IT FILLS. THE RESULT WILL BE A VERTICAL COLUMN OF BENTONITE, WHICH WILL PROVIDE A WATERPROOF BUT FLEXIBLE SEAL.

TRIMMING

BARRIER SHOULD BE TRIMMED TO JUST BELOW LAWN MOWER HEIGHT BUT ABOVE GROUND (TOP OF ROOT BARRIER MUST BE EXPOSED ON COMPLETION) OR TOP OF KERB

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