



**OPTION B : TYPICAL ROOT BARRIER  
INSTALLED AT BACK OF KERB, FOR  
USE ONLY IF ROAD BASE IS SOUND  
WITHOUT CRACKS AND A GOOD SEAL  
CAN BE ACHIEVED BETWEEN ROOT  
BARRIER & ROAD BASE**

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.**

### DEPTH

SODIUM BENTONITE IS USED TO SEAL THE BOTTOM OF THE TRENCH AND BIND THE BOTTOM OF THE ROOT BARRIER TO ROAD BASE. IN SUMMARY, TAKE THE BARRIER DOWN TO ROAD BASE. **DO NOT TAKE BARRIER THROUGH ROAD BASE.**

### 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 INTO ROADBASE. ENSURE 50mm OF ROOT BARRIER IS LEFT ABOVE FINISHED GROUND HEIGHT (THIS IS TO ALLOW FOR SETTLEMENT AND MAY BE TRIMMED OFF LATER).
2. IF THE BARRIER IS TO BE PLACED BACK OF KERB INTO ROAD BASE EXCAVATE A 100mm SLOT INTO COMPACTED ROAD BASE, (NOT RIGHT THROUGH BASE).
3. IN THE BASE OF THE TRENCH PLACE A LAYER OF PURE SODIUM BENTONITE 100mm DEEP THEN BACK FILL

### 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