

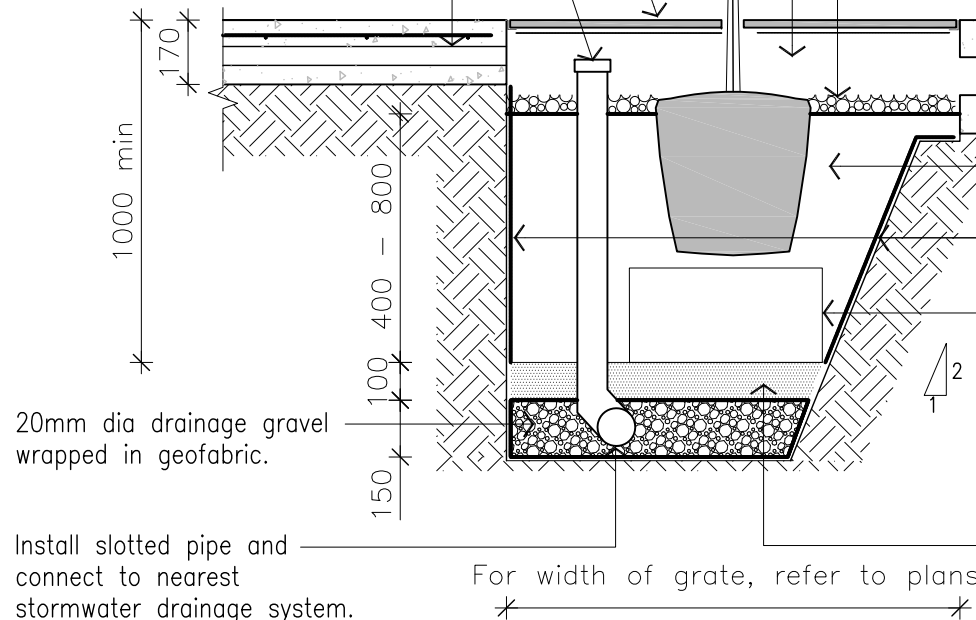
**PLAN**

Tree as specified in Centres Detail Design Manual. Ensure species is suitable for planting in bioretention media.

Tree grate as per UMS 516.

Slotted drain cleanout. Refer to note 7.

Downpipe connection from building. Provide thickened slab where downpipe is penetrating slab.



**SECTION**

Note: Verify location of services prior to excavation of tree hole.

Void - No fill

50mm deep layer of 50mm gravel screenings with geofabric beneath.

WSUD kerb inlet (refer to detail)

Kerb and channel.

Bioretention filter media. Loamy sand 400mm min. deep.

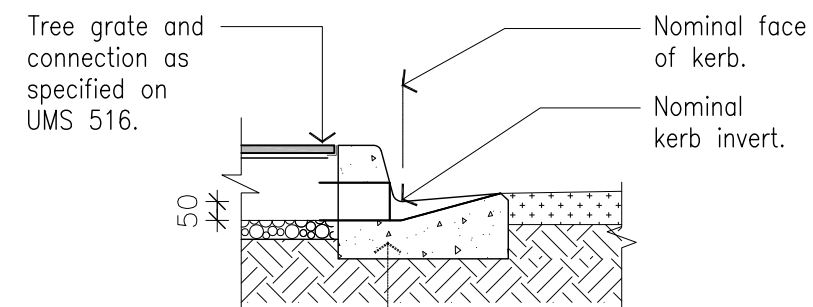
Geotextile root barrier to both sides of trench.

Modular soil cell system (providing at least 90% free soil volume, with positive vertical and lateral interlocks) installed as per manufacturer's instructions. Extent of required area depends upon tree species and local conditions and constraints.

100mm sand layer.

**GENERAL NOTES**

1. WSUD kerb shown is only suitable for street tree pits where incorporated with tree trench or small raingardens. Larger systems may need specific inlet design or multiple inlets.
2. Where no parking lane exists, RHS kerb inlet may be replaced by an open kerb cut.
3. Where tree pit lies in a low point (sag) RHS inlets may be aligned at right angles to kerb. Ensure drainage is installed appropriately to manage stormwater volumes.
4. Refer to UMS detail 516 for standard tree pit notes and tree installation.
5. Ensure tree pit drainage is connected to stormwater system to avoid flooding the tree.
6. Tree pits are to be located upstream of gully pits.

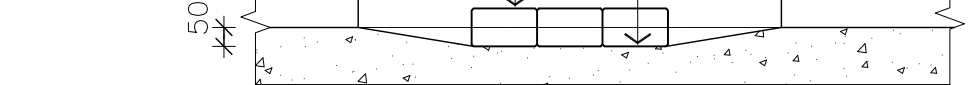


Depressed kerb as per long section.

**WSUD KERB INLET CROSS SECTION**

3 x galvanised RHS 150 x 100mm graded at 1:20 minimum away from kerb. Depress kerb invert by 50mm. Transition to kerb invert level at both ends.

Standard type 'E' kerb and channel profile as per UMS 211.



**WSUD KERB INLET LONG SECTION**

STRUCTURAL DESIGN REVIEWED AND CERTIFIED FOR ISSUE  
 NAME: B. BALAKUMAR RPEQ: 3963  
 SIGNATURE: SIGNATURE ON ORIGINAL DATE: 28/07/10

| ISSUE | AMENDMENT       | DRAWN DATE | CHK'D DATE | APPR'D DATE |
|-------|-----------------|------------|------------|-------------|
| B     | NOTE AMENDMENTS | OCT '11    | OCT '11    | OCT '11     |
| A     | ORIGINAL ISSUE  | JUN '10    | JUN '10    | JUN '10     |

|   |                   |                                     |                  |         |
|---|-------------------|-------------------------------------|------------------|---------|
| DESIGN AUTHORISED FOR ISSUE                   | DESIGN            | BAS                                 | DATE             | JUN '10 |
| P. COTTON SIGNATURE ON ORIGINAL               | DRAWN             | PRM                                 | DATE             | JUN '10 |
| MANAGER CITY ASSETS, R.P.E.Q: 2 5 4 6         | CHECKED           | D.K. SIGNATURE ON ORIGINAL 28-07-10 | DATE             | JUN '10 |
| DESIGN APPROVED                               | DRAWING FILENAME  | UMS 570                             | ASSOCIATED PLANS |         |
| V. MARTIN SIGNATURE ON ORIGINAL DATED 06/9/10 | PRINCIPAL OFFICER | URBAN DESIGN UNIT                   |                  |         |



**BRISBANE CITY COUNCIL STANDARD DRAWING**

**STREETScape – WSUD TYPICAL KERB INLET**

SCALE: NOT TO SCALE  
 DWG No. **UMS 570**  
 ORIGINAL SIZE: A3 REVISION: B