**Design and Construction Note**

**702.05**

*Street Trees and Reticulation Design*  
*Water Retention Tree-Pit in Concrete Kerbs*

Reviewed: 06/12/2018

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**Pipe Installation**

**Pipe Installation (Back of Kerb)**

- **CUT THE PRECAST CONCRETE KERB**  
  5-10mm DEEPER THAN BITUMEN LEVEL x 110mm WIDE, INSTALL 65mm UPVC PIPE & BACK FILL OVER THE PIPE AS SHOWN WITH 25MPa CONCRETE. INSTALL WATER HARVESTING KERB ATTACHMENT PLATE, DETAILS REFER 702.13.

- **350mm Ø65mm UPVC PIPE**  
  WITH 45° F/F UPVC ELBOW.

- **Ø65 SLOTTED AG PIPE**  
  WITH GEO-TEXTILE SLEEVE. FROM 45° UPVC F/F ELBOW, DOWN TO Ø65 TEE & AROUND THE ROOTBALL RETURNING TO THE OPPOSITE END OF THE TEE.

- **NOTE THAT BACK OF KERB TREE PITS WILL REQUIRE YOU TO CONTACT YOUR CITY OF PERTH REPRESENTATIVE FOR ADDITIONAL COLLAR DEPTH.**

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**Pipe Installation (With 400 Setback)**

- **CUT THE PRECAST CONCRETE KERB**  
  5-10mm DEEPER THAN BITUMEN LEVEL x 110mm WIDE, INSTALL 65mm UPVC PIPE & BACK FILL OVER THE PIPE AS SHOWN WITH 25MPa CONCRETE. INSTALL WATER HARVESTING KERB ATTACHMENT PLATE, DETAILS REFER 702.13.

- **350mm Ø65mm UPVC PIPE**  
  WITH 45° F/F UPVC ELBOW.

- **Ø65 SLOTTED AG PIPE**  
  WITH GEO-TEXTILE SLEEVE. FROM 45° UPVC F/F ELBOW, DOWN TO Ø65 TEE & AROUND THE ROOTBALL RETURNING TO THE OPPOSITE END OF THE TEE.

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**Notes:**

- **PIVING**
  - **800mm Ø65mm UPVC PIPE**  
    WITH 45° F/F UPVC ELBOW.
  - **STIFF JOINT FILLER**
  - **TREE-GRATE FRAME**
  - **WATER HARVESTING TREE GRATE**
  - **200mm x 100mm CONCRETE COLLAR.**
  - **Ø65 SLOTTED AG PIPE**  
    WITH GEO-TEXTILE SLEEVE. FROM 45° UPVC F/F ELBOW, DOWN TO Ø65 TEE & AROUND THE ROOTBALL RETURNING TO THE OPPOSITE END OF THE TEE.

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