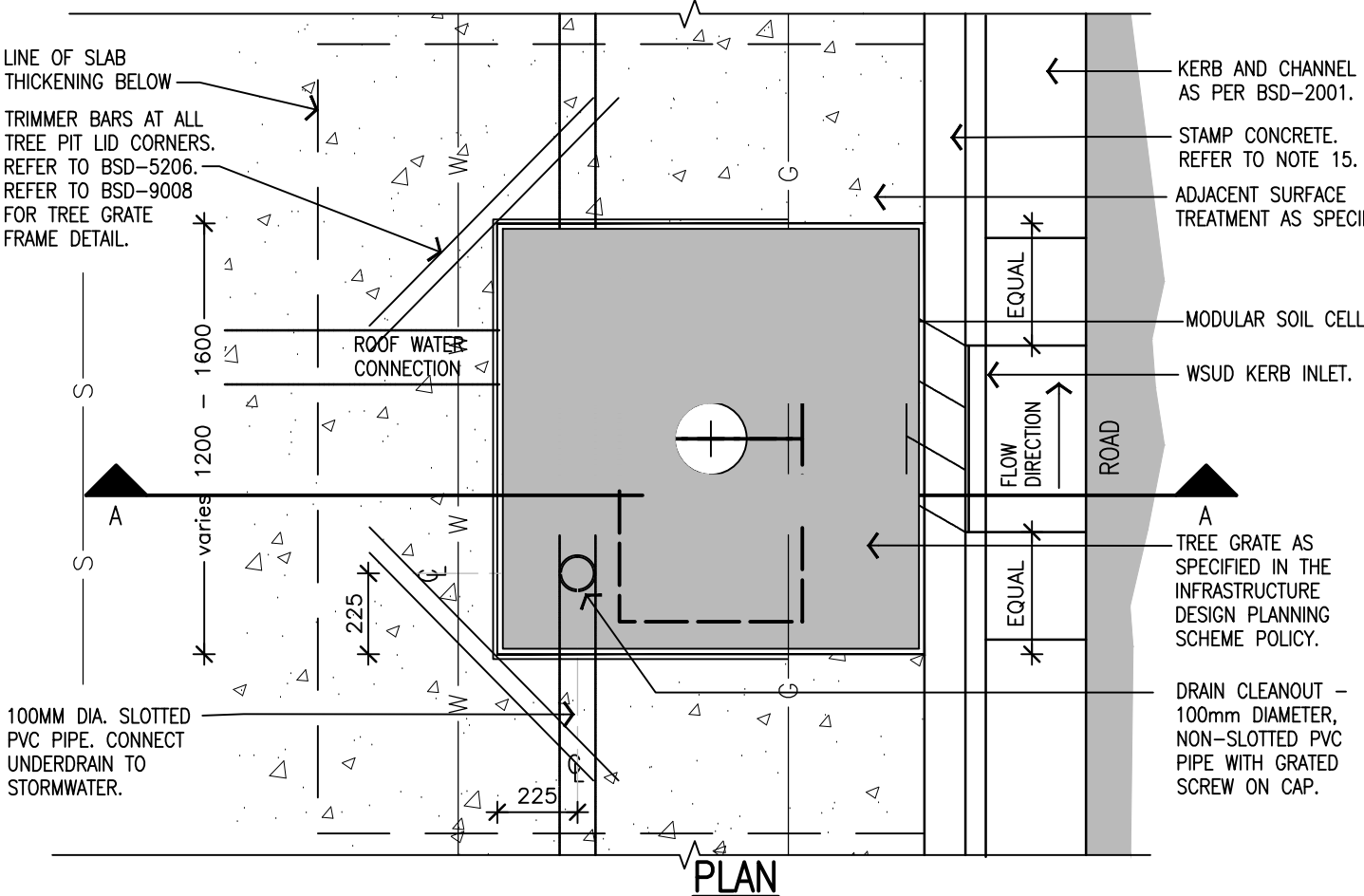


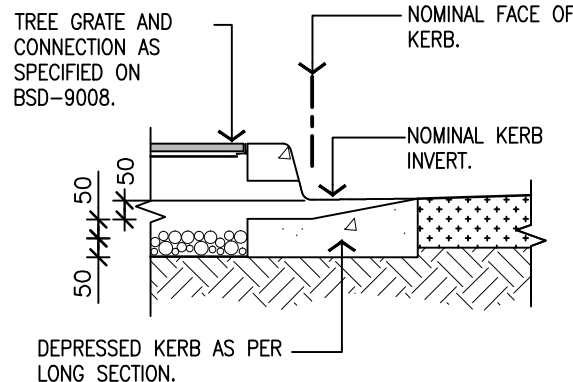
SECTION A-A



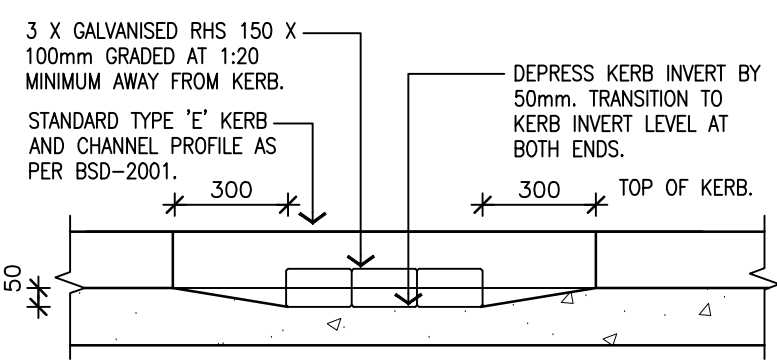
PLAN

NOTES

1. DETAIL TO BE INCORPORATED IN DEVELOPMENTS WHERE SERVICES/PERMITS/GRADES ENABLE THE CONSTRUCTION OF THE TREE PIT AND WHERE THE UNDER-DRAIN CAN BE CONNECTED TO GULLY.
2. THE WSUD KERB SHOWN IS ONLY SUITABLE FOR STREET TREE PITS AND SMALL RAINGARDENS. LARGER SYSTEMS (E.G TREE TRENCHES) MAY NEED SPECIFIC INLET DESIGN OR MULTIPLE INLETS.
3. WHERE THE TREE PIT LIES IN A LOW POINT (SAG) INLETS MAY BE ALIGNED AT RIGHT ANGLES TO KERB. ENSURE DRAINAGE IS INSTALLED APPROPRIATELY TO MANAGE STORMWATER VOLUMES.
4. ENSURE TREE PIT DRAINAGE IS CONNECTED TO STORMWATER SYSTEM TO AVOID FLOODING THE TREE.
5. TREE PITS ARE TO BE LOCATED UPSTREAM OF GULLY PITS.
6. ALL PUBLIC WALKWAYS ARE TO COMPLY WITH AUSTRALIAN STANDARD 1428: DESIGN FOR ACCESS AND MOBILITY.
7. IF A SERVICE (IE GAS) WILL CROSS THE WSUD TREE PIT, PROVIDE A CONDUIT FOR FUTURE USE. SERVICE SIZE TO BE CONFIRMED WITH SERVICE PROVIDER.
8. BIORETENTION FILTER MEDIA, TRANSITION LAYER AND DRAINAGE LAYER IN ACCORDANCE WITH "THE GUIDELINES FOR SOIL MEDIA IN BIORETENTION SYSTEMS". FACILITY FOR ADVANCING WATER BIORETENTION (FAWB) AND AS4419-2003.
9. VEGETATION: PLANT SPECIES, STREET FURNITURE AND LAYOUT TO BE DETERMINED ON A PROJECT BY PROJECT BASIS. PLANT SPECIFICATION AND DENSITY SHALL BE IN ACCORDANCE WITH WATER BY DESIGN'S "WATER SENSITIVE URBAN DESIGN TECHNICAL GUIDELINE FOR SOUTH EAST QUEENSLAND" AND BRISBANE CITY COUNCIL'S "INFRASTRUCTURE PLANNING SCHEME POLICY". TREE SPECIES TO BE SELECTED AS PER THE CENTRES DESIGN MANUAL AND ALSO CONSIDERING THEIR SUITABILITY FOR WET AND DRY CONDITIONS.
10. MAINTAIN 50-100mm RADIUS SEPARATION BETWEEN GRAVEL SCREENINGS AND STEM OF TREE.
11. FILTER CLOTH - NON-WOVEN GEOTEXTILE. FILTER CLOTH NOT TO BE PLACED BETWEEN ANY FILTER LAYERS. IMPERVIOUS LINER MAY BE REQUIRED ADJACENT TO ROADS AND MAY ALSO BE REQUIRED SUBJECT TO SOIL TESTING REQUIREMENTS IN ACCORDANCE WITH THE WATER SENSITIVE URBAN DESIGN TECHNICAL GUIDELINES (WATER BY DESIGN).
12. GENERAL CONSTRUCTION: BIORETENTION SYSTEM TO BE CONSTRUCTED IN ACCORDANCE WITH WATER BY DESIGN'S "CONSTRUCTION AND ESTABLISHMENT GUIDELINES: SWALES, BIORETENTION SYSTEMS AND WETLANDS".
13. SLOTTED RIGID PIPE (UPVC OR SIMILAR TO AS 2439.1) OR APPROVED EQUIVALENT, 0.5% MINIMUM GRADE. DIAMETER TYPICALLY 100 TO 150mm. PIPE JOINS SHALL BE SEALED INTO PITS USING GROUTS OR OTHER APPROVED WATERTIGHT SEAL. 50mm DRAINAGE LAYER (FINE AGGREGATE) COVER OVER 2-3mm SLOTTED PIPE.
14. STORMWATER KERB OPENING TO BE TEMPORARILY BLOCKED DURING CONSTRUCTION.
15. STAMP CONCRETE WITH THE FOLLOWING TEXT " THIS GARDEN FILTERS STORMWATER AND PROTECTS OUR WATERWAYS". TEXT TO BE 2 INCH HIGH AND STYLE AVENIR (SANS SERIF) OR ARIAL (SANS SERIF) IN LINE WITH BCC'S CORPORATE STYLE GUIDE.



WSUD KERB INLET CROSS SECTION



WSUD KERB INLET LONG SECTION

STRUCTURAL DESIGN REVIEWED & CERTIFIED FOR ISSUE
 NAME: BALA BALAKUMAR RPEQ: 3963
 SIGNATURE: SIGNATURE ON ORIGINAL DATE: 10/04/14

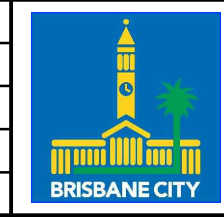
DESIGN REVIEWED & CERTIFIED FOR ISSUE
 NAME: MARK R. GIBSON RPEQ: 6722
 SIGNATURE: SIGNATURE ON ORIGINAL DATE: 03/04/14

VERIFY LOCATION OF SERVICES PRIOR TO EXCAVATION.

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
D	Updated Superseded reference in Draining Details	MAY '17	MAY '17	MAY '17
C	Drawing filename amended	FEB '16	JUL '16	JUL '16
B	AMENDED NOTES	Feb '15	Feb '15	Feb '15
A	ORIGINAL ISSUE	Apr '14	Apr '14	Apr '14

DESIGN AUTHORISED FOR PUBLICATION
 INGA CONDRIK SIGNATURE ON ORIGINAL DATED 14/04/14
 ASSET ENGINEERING MANAGER
 STRATEGIC ASSET MANAGEMENT
 DESIGN APPROVED
 PETER KURAS SIGNATURE ON ORIGINAL DATED APRIL 14
 PRINCIPAL PROGRAM OFFICER
 NATURAL ENVIRONMENT WATER & SUSTAINABILITY

DESIGN	DATE
CPO - P&D	Apr '14
DRAWN	Apr '14
CHECKED	Apr '14
DRAWING FILENAME	BSD-9031(C) WSUD typical tree pit with grate.dwg
ASSOCIATED PLANS	



BRISBANE CITY COUNCIL STANDARD DRAWING

WSUD TYPICAL TREE PIT WITH GRATE

SCALE: NOT TO SCALE
 DWG No. **BSD-9031**
 ORIGINAL SIZE: A3 REVISION: D