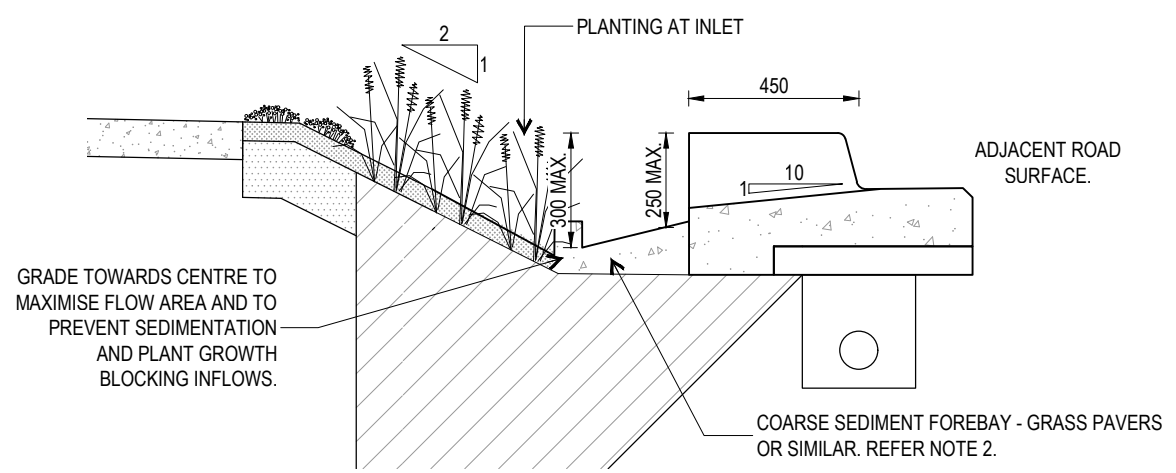


**A** STA BIORETENTION POD (VERGE TYPE) - TYPICAL SECTION  
BSD-8331

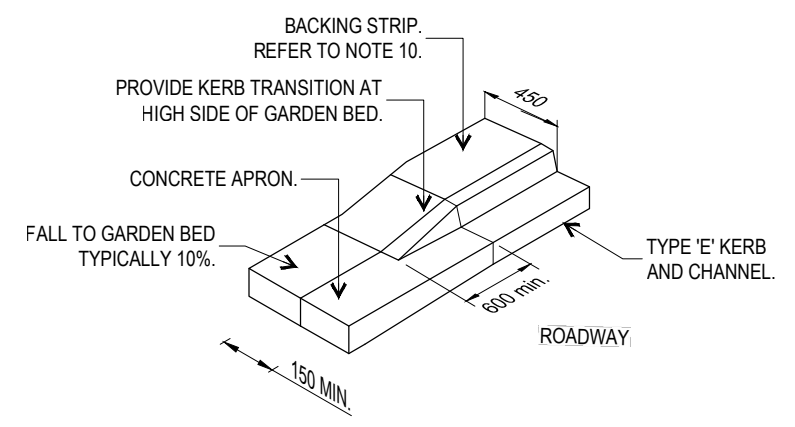
**NOTES:**

1. BIORETENTION FILTER MEDIA, TRANSITION LAYER AND DRAINAGE LAYER IN ACCORDANCE WITH THE "GUIDELINES FOR SOIL MEDIA IN BIO-RETENTION SYSTEMS", FACILITY FOR ADVANCING WATER BIO-FILTRATION (FAWB).
2. REFER TO RELEVANT SECTION OF THE "BIORETENTION TECHNICAL DESIGN GUIDELINES" (WATER BY DESIGN) AND PROJECT DRAWINGS FOR SIZING OF COARSE SEDIMENT FOREBAY. NOTE: SEDIMENT FOREBAY IS NOT ALWAYS APPLICABLE FOR SMALL STREETScape BIORETENTION SYSTEMS.
3. UNDER-DRAIN, SLOTTED RIGID PIPE UPVC/HDPE OR SIMILAR TO AS 2439.1) OR APPROVED EQUIVALENT, 0.5% MINIMUM GRADE. DIAMETER TYPICALLY 100 TO 150mm. PIPE JOINS SHALL BE GLUED WITH PLUMBING CEMENT. PIPE SHALL NOT BE INSTALLED WITH A FILTER SOCK SURROUNDING PIPE. UNDER-DRAINAGE PIPES SHALL BE SEALED INTO PITS USING GROUTS OR OTHER APPROVED WATERTIGHT SEAL. 50mm DRAINAGE LAYER (FINE AGGREGATE) COVER OVER 2-3mm SLOTTED PIPE.
4. UNDER-DRAIN CLEANOUT TO BE IN ACCORDANCE WITH BSD-8307.
5. 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 'BIORETENTION TECHNICAL DESIGN GUIDELINES' (WATER BY DESIGN).
6. VEGETATION: PLANT SPECIES AND LAYOUT TO BE DETERMINED ON A PROJECT BY PROJECT BASIS. PLANT SPECIFICATION AND DENSITY SHALL BE IN ACCORDANCE WITH "BIORETENTION TECHNICAL DESIGN GUIDELINES" (WATER BY DESIGN) AND BRISBANE CITY COUNCIL'S INFRASTRUCTURE DESIGN PLANNING SCHEME POLICY. TREE SPECIES TO BE SELECTED AS PER THE CENTRES DETAIL DESIGN MANUAL AND ALSO CONSIDERING THEIR SUITABILITY FOR WET AND DRY CONDITIONS.
7. MULCH: 75mm MULCH LAYER TO BE ORGANIC AND FRIABLE, SUCH AS SUGARCANE. USE JUTE MESH OR SIMILAR BIODEGRADABLE NETTING OVER. SIDES OF JUTE MESH TO BE BURIED IN 300mm TRENCH. EACH JOIN IS TO BE OVER LAPPED BY 100mm. 300mm BIODEGRADABLE PEGS ARE TO BE USED AND INSTALLED AT 500mm CENTRES OR AS PER MANUFACTURERS SPECIFICATION.
8. GENERAL DESIGN: BIORETENTION SYSTEM TO BE DESIGNED IN ACCORDANCE WITH "BIORETENTION TECHNICAL DESIGN GUIDELINES" (WATER BY DESIGN).
9. ALL PUBLIC WALKWAYS ARE TO COMPLY WITH AUSTRALIAN STANDARD 1428: DESIGN FOR ACCESS AND MOBILITY.
10. STAMP CONCRETE WITH THE FOLLOWING TEXT "THIS GARDEN FILTERS STORMWATER AND PROTECTS OUR WATERWAYS". TEXT TO BE 50 HIGH AND STYLE AVENIR (SANS SERIF) OR ARIAL (SANS SERIF) IN LINE WITH BCC'S CORPORATE STYLE GUIDE.
11. VERTICAL DROPS FROM THE TOP OF KERB TO FINISH LEVEL OF THE BIORETENTION GARDEN MUST NOT EXCEED 250 AND THE MAXIMUM DEPTH OF THE GARDEN MUST NOT EXCEED 300.
12. ALL DIMENSIONS IN MILLIMETRES (U.N.O.).



**B** STA BIORETENTION POD (VERGE TYPE) - KERB INLET DETAILS  
BSD-8331

VERIFY LOCATION OF SERVICES PRIOR TO EXCAVATION.



**KERB TRANSITION DETAIL**

THE PURPOSE OF THIS STANDARD DRAWING IS TO PROVIDE TYPICAL DETAILS THAT SUPPORT THE DESIRED OUTCOMES OF THE BRISBANE CITY PLAN 2014 AND ASSOCIATED PLANNING SCHEME POLICIES. THE FITNESS FOR PURPOSE OF THIS STANDARD DRAWING FOR A SPECIFIC PROJECT SHOULD BE ASSESSED AND ACCEPTED BY AN APPROPRIATELY QUALIFIED DESIGNER AND/OR REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND (RPEQ).



BRISBANE CITY COUNCIL STANDARD DRAWING  
STORMWATER TREATMENT ASSET (STA)  
BIORETENTION POD (VERGE TYPE)  
TYPICAL DETAILS

PUBLISH DATE		JUN 2023
SCALE		AS SHOWN
DRAWING NUMBER		BSD-8332
ORIGINAL SIZE	REVISION	
A3	D	