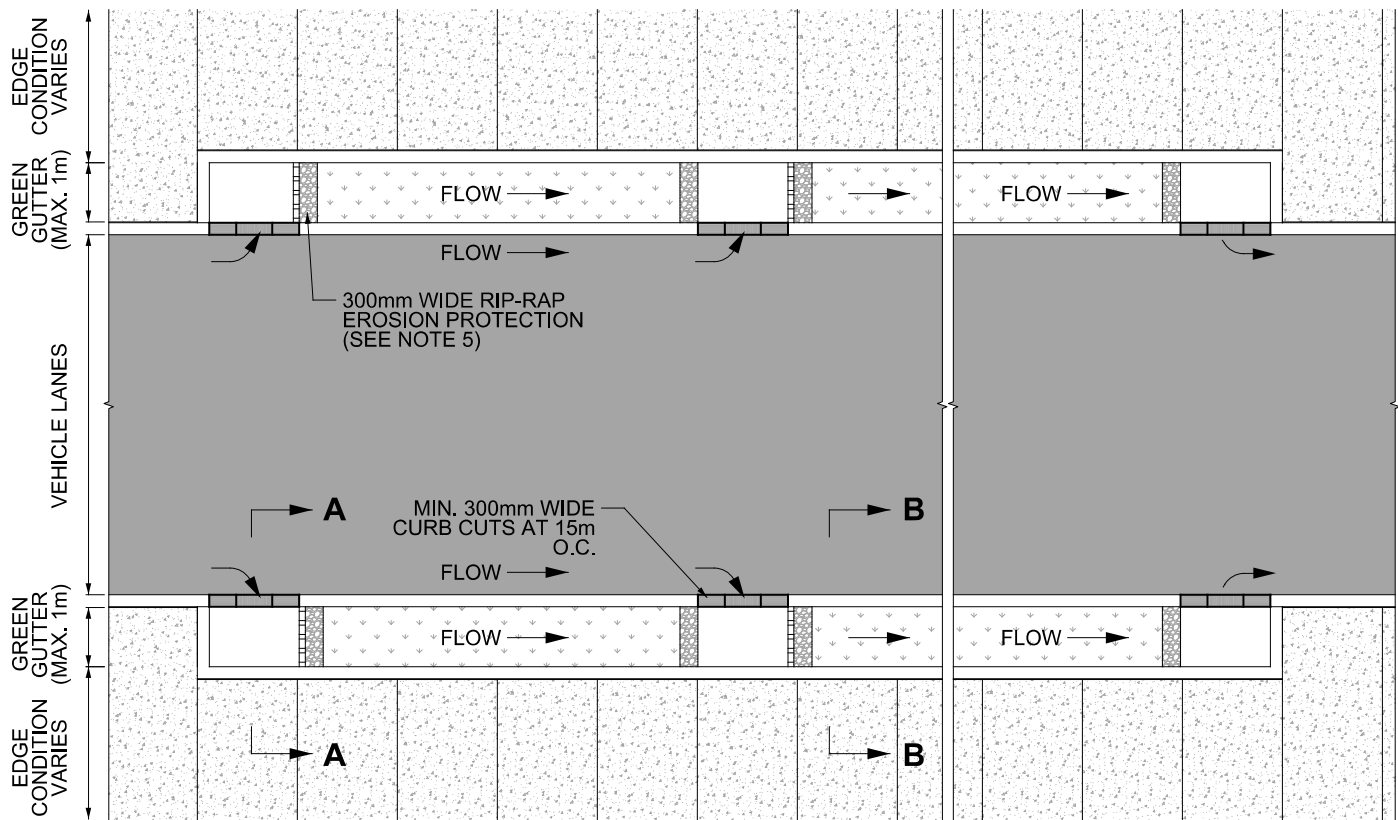
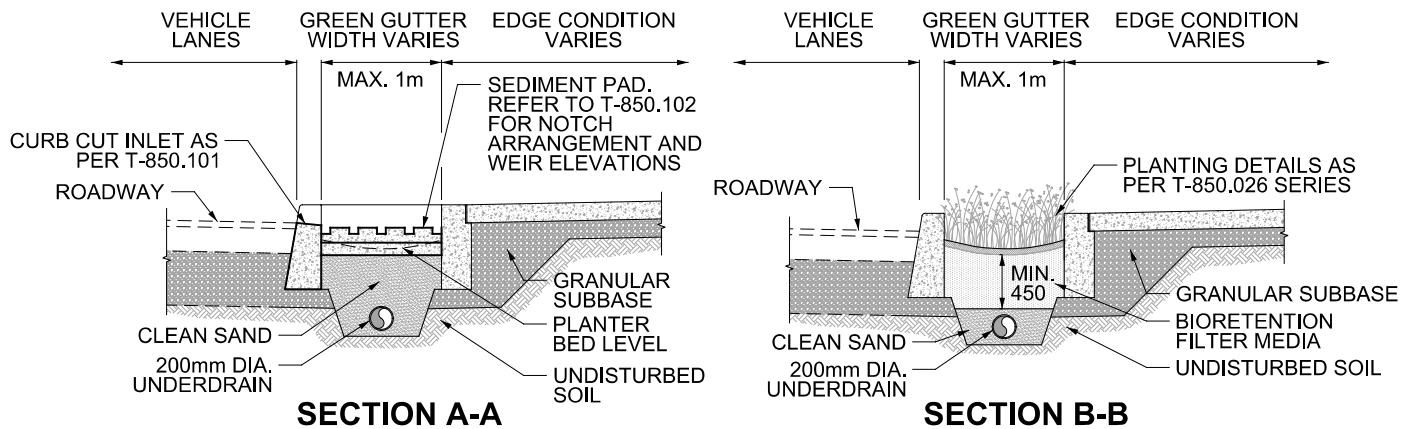




PLAN



SECTION A-A

SECTION B-B

NOTES:

1. GREEN GUTTER WIDTH VARIES BASED ON AVAILABLE SPACE WITHIN RIGHT-OF-WAY. MAXIMUM 1m WIDTH.
2. ALL INLETS MUST HAVE SEDIMENT PAD AS PER T-850.102 FOR SEDIMENT AND EROSION PROTECTION.
3. LONGITUDINAL SLOPE TO MATCH ADJACENT FEATURE (ROADWAY, SIDEWALK, STREETCAR TRACK).
4. UNDERDRAIN IS REQUIRED WHERE NATIVE SOIL INFILTRATION RATES ARE LESS THAN 15mm/hr, OR IF GREEN GREEN GUTTER IS MEMBRANE LINED. UNDERDRAIN TO BE 200mm DIA. SMOOTH INTERIOR WALLED PERFORATED PIPE, MIN. INSTALLED 50mm ABOVE THE BOTTOM OF THE DRAINAGE LAYER.
5. RIP-RAP EROSION PROTECTION TO BE 300mm WIDE AND PLACED DOWNSTREAM OF SEDIMENT PADS AND UPSTREAM OF ANY INTERMEDIATE INLETS AND OUTLETS.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

GREEN GUTTER

LAYOUT AND SECTIONS

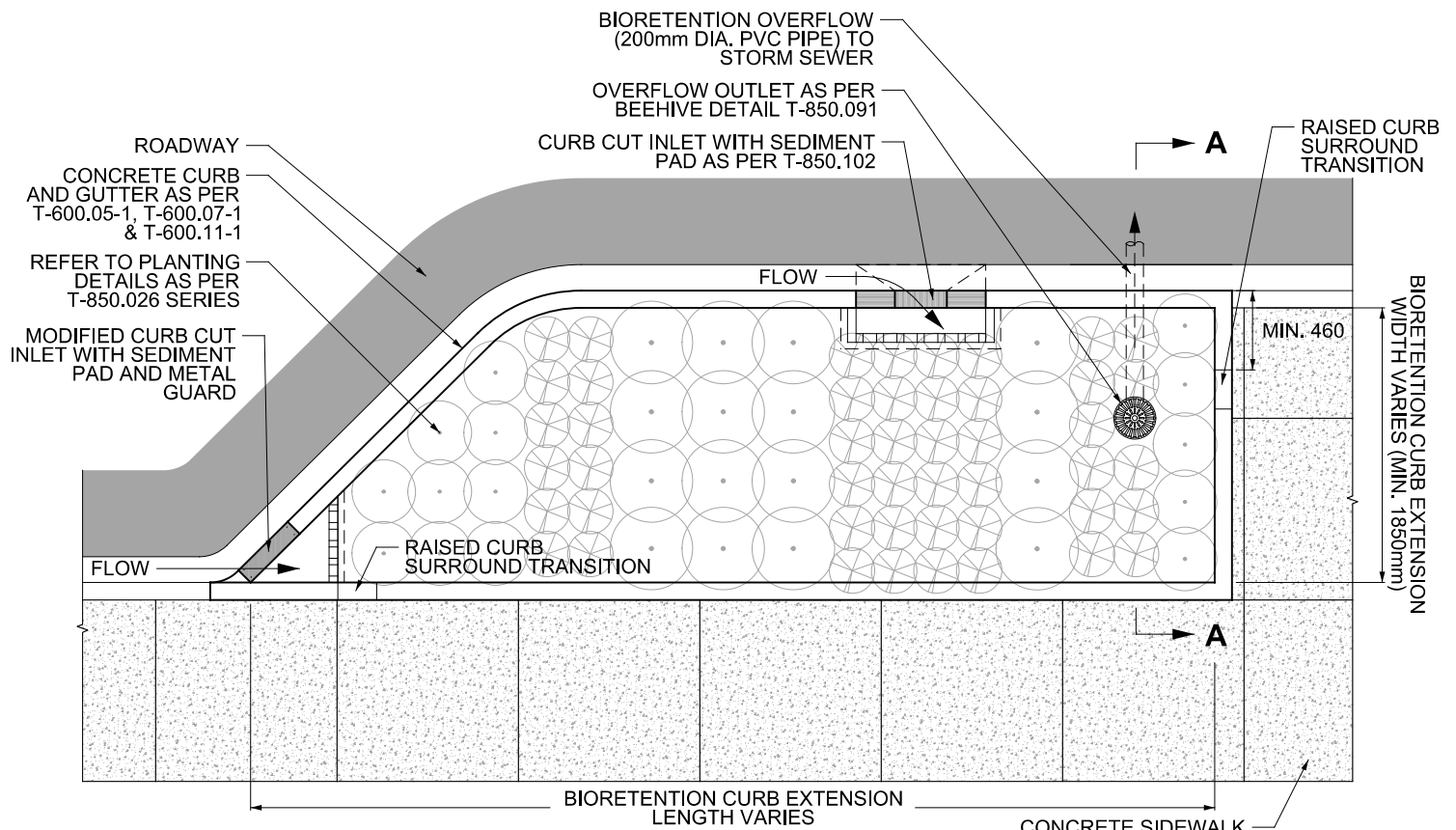
REV 0

SEP 2021

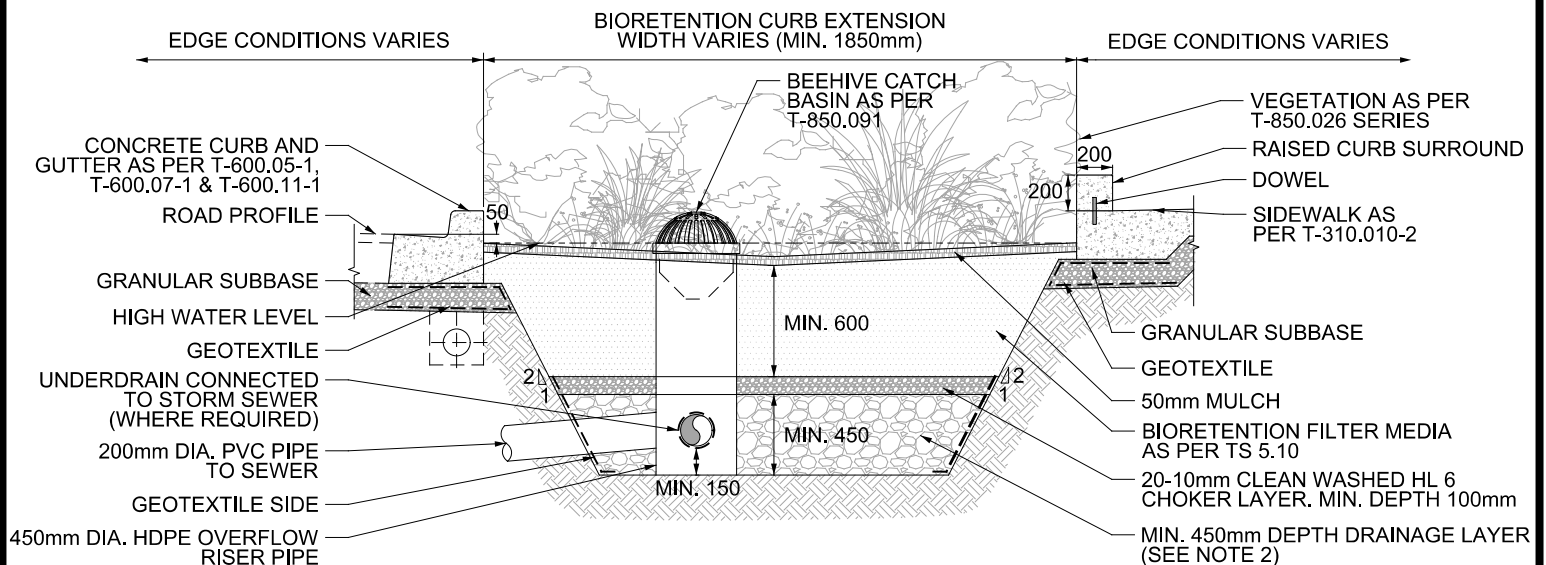
T-850.141

NTS

SHEET 1



PLAN



SECTION A-A

NOTES:

1. UNDERDRAIN IS REQUIRED WHERE NATIVE SOIL INFILTRATION RATES ARE LESS THAN 15mm/hr, WHEN TREES PLANTINGS ARE PRESENT, OR WHEN CURB EXTENSION IS MEMBRANE LINED. UNDERDRAIN TO BE 200mm DIA. SMOOTH INTERIOR WALLED PERFORATED PIPE, INSTALLED MIN. 150mm ABOVE THE BOTTOM OF THE DRAINAGE LAYER.
2. GRAVEL USED FOR DRAINAGE LAYER TO BE 20 TO 50mm, UNIFORMLY-GRADED, CLEAN (MAXIMUM WASH LOSS OF 0.5%), CRUSHED ANGULAR STONE THAT HAS A POROSITY OF 0.4.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

BIORETENTION CURB EXTENSION

LAYOUT AND SECTION

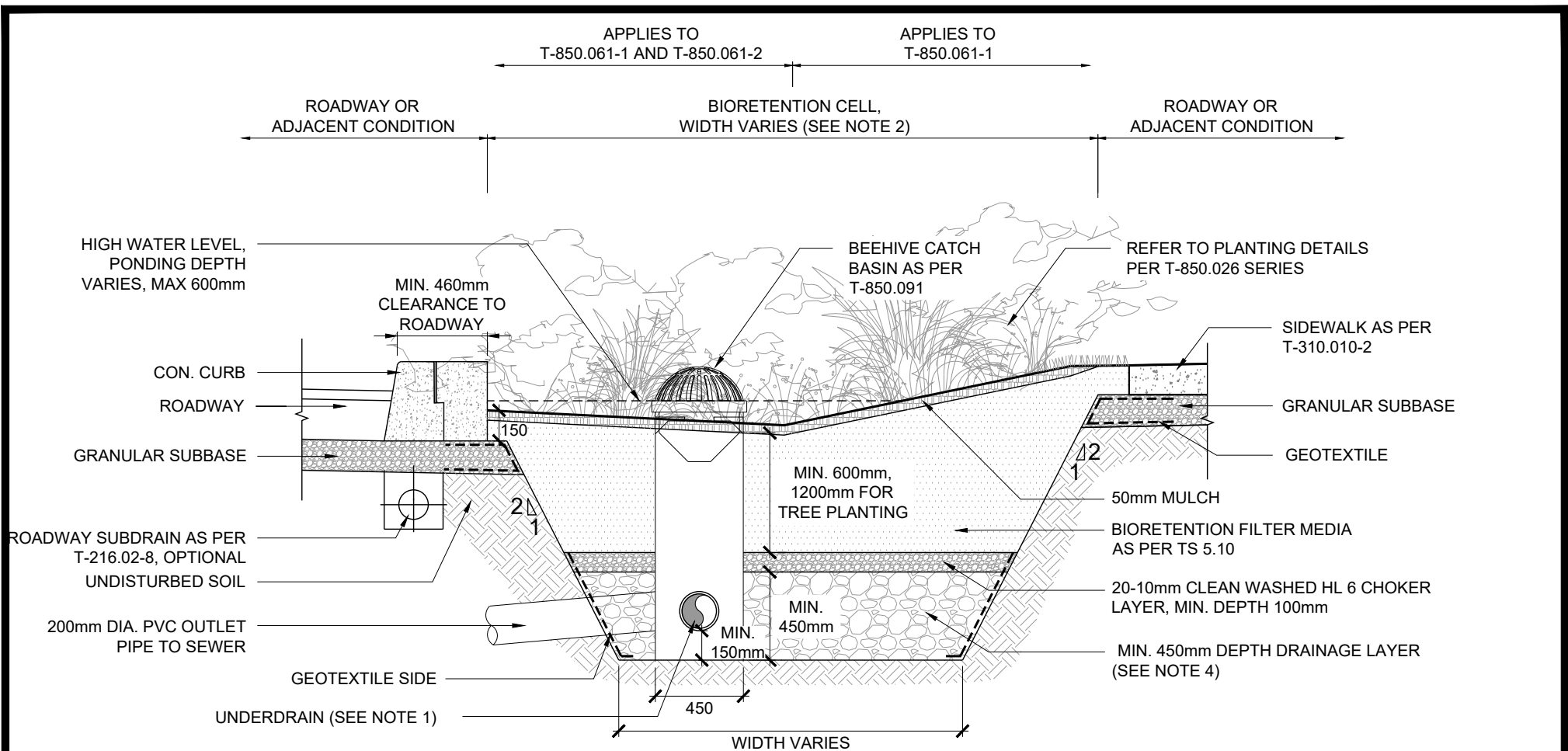
REV 0

SEP 2021

T-850.072

NTS

SHEET 2



SECTION A-A

NOTES:

- UNDERDRAIN IS REQUIRED WHERE NATIVE SOIL INFILTRATION RATES ARE LESS THAN 15mm/hr, WHEN TREE PLANTINGS ARE PRESENT, OR WHEN GREEN INFRASTRUCTURE SYSTEM IS MEMBRANE LINED. UNDERDRAIN TO BE 200mm DIA. SMOOTH INTERIOR WALLED PERFORATED PIPE WRAPPED IN GEOTEXTILE FABRIC, INSTALLED 150mm MIN. ABOVE BASE OF GREEN INFRASTRUCTURE SYSTEM.
 - BIORETENTION CELL WIDTH TO BE MIN. 3500mm WHERE TREES ARE PROPOSED AND MIN. 1850mm WITHOUT TREES.
 - FOR TREE HEALTH, LOCATE INLETS AWAY FROM ROOT BALLS TO MINIMIZE POTENTIAL DAMAGE.
 - GRAVEL USED FOR DRAINAGE LAYER TO BE 20 OR 50mm UNIFORMLY GRADED, CLEAN (MAXIMUM WASH LOSS OF 0.5%), CRUSHED ANGULAR STONE THAT HAS A POROSITY OF 0.4.
- All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

BIORETENTION CELL IN BOULEVARD OR MEDIAN TYPICAL SECTION

REV 0

SEP 2021

T-850.061-3

1:30

SHEET 1