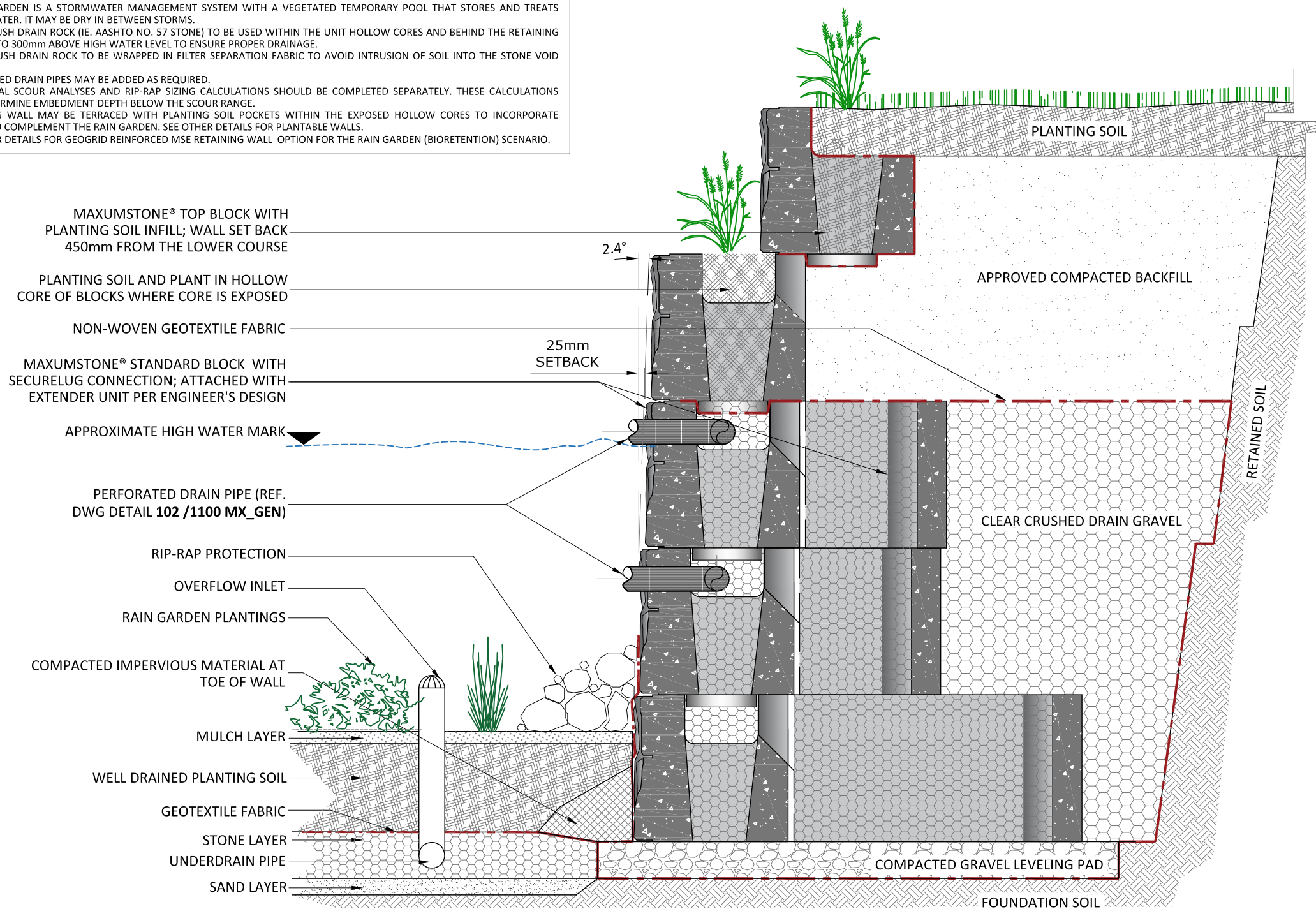


GENERAL NOTES:

1. A RAIN GARDEN IS A STORMWATER MANAGEMENT SYSTEM WITH A VEGETATED TEMPORARY POOL THAT STORES AND TREATS STORMWATER. IT MAY BE DRY IN BETWEEN STORMS.
2. CLEAR CRUSH DRAIN ROCK (IE. AASHTO NO. 57 STONE) TO BE USED WITHIN THE UNIT HOLLOW CORES AND BEHIND THE RETAINING WALL UP TO 300mm ABOVE HIGH WATER LEVEL TO ENSURE PROPER DRAINAGE.
3. CLEAR CRUSH DRAIN ROCK TO BE WRAPPED IN FILTER SEPARATION FABRIC TO AVOID INTRUSION OF SOIL INTO THE STONE VOID MATRIX.
4. PERFORATED DRAIN PIPES MAY BE ADDED AS REQUIRED.
5. ADDITIONAL SCOUR ANALYSES AND RIP-RAP SIZING CALCULATIONS SHOULD BE COMPLETED SEPARATELY. THESE CALCULATIONS WILL DETERMINE EMBEDMENT DEPTH BELOW THE SCOUR RANGE.
6. RETAINING WALL MAY BE TERRACED WITH PLANTING SOIL POCKETS WITHIN THE EXPOSED HOLLOW CORES TO INCORPORATE PLANTS TO COMPLEMENT THE RAIN GARDEN. SEE OTHER DETAILS FOR PLANTABLE WALLS.
7. SEE OTHER DETAILS FOR GEOGRID REINFORCED MSE RETAINING WALL OPTION FOR THE RAIN GARDEN (BIORETENTION) SCENARIO.



01

GRAVITY-BIORETENTION POND DETAILS

SCALE 1 : 20

GENERAL NOTES:

These drawings are intended solely to act as an aid when designing a wall. This drawing should not be used for final design or construction.

Each site-specific wall should be certified and signed by a registered geotechnical engineer in the State or Province that it is being built.

The accuracy and use of the details in this document are the sole responsibility of the user.

Rev	DESCRIPTION	DATE
01	ADDENDUM INFORMATION	08-10-2023
00	INTERNAL APPROVAL	07-01-2023

REMARKS:

- PURPOSE OF ISSUE:**
- INFORMATION
 - REVIEW / APPROVAL
 - PRODUCTION

SHEET CONTENT

MAXUMSTONE GRAVITY WALL STORMWATER APPLICATIONS

BIORETENTION POND CROSS SECTION DETAILS

SHEET REFERENCE

101

1114-MX-STM

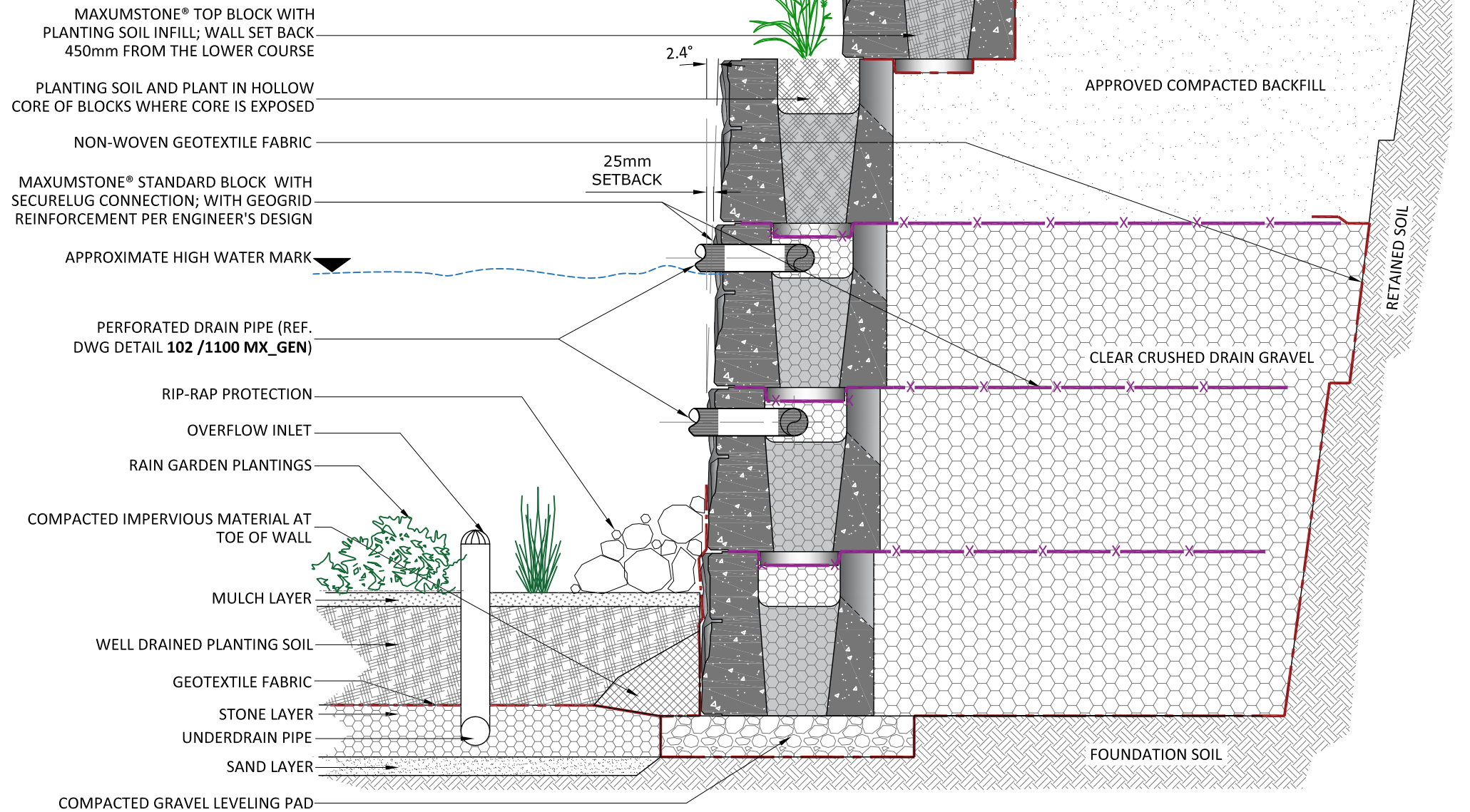
DRAWING INFORMATION

SCALE : AS INDICATED
 PAPER SIZE: 431.8mm x 297.5mm
 PREPARED BY: RM



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02 **GEOGRID-BIORETENTION POND DETAILS**
SCALE 1 : 20

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**MAXUMSTONE
GEOGRID WALL
STORMWATER APPLICATIONS**

**BIORETENTION POND
CROSS SECTION DETAILS**

SHEET REFERENCE

102

1114-MX-STM

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