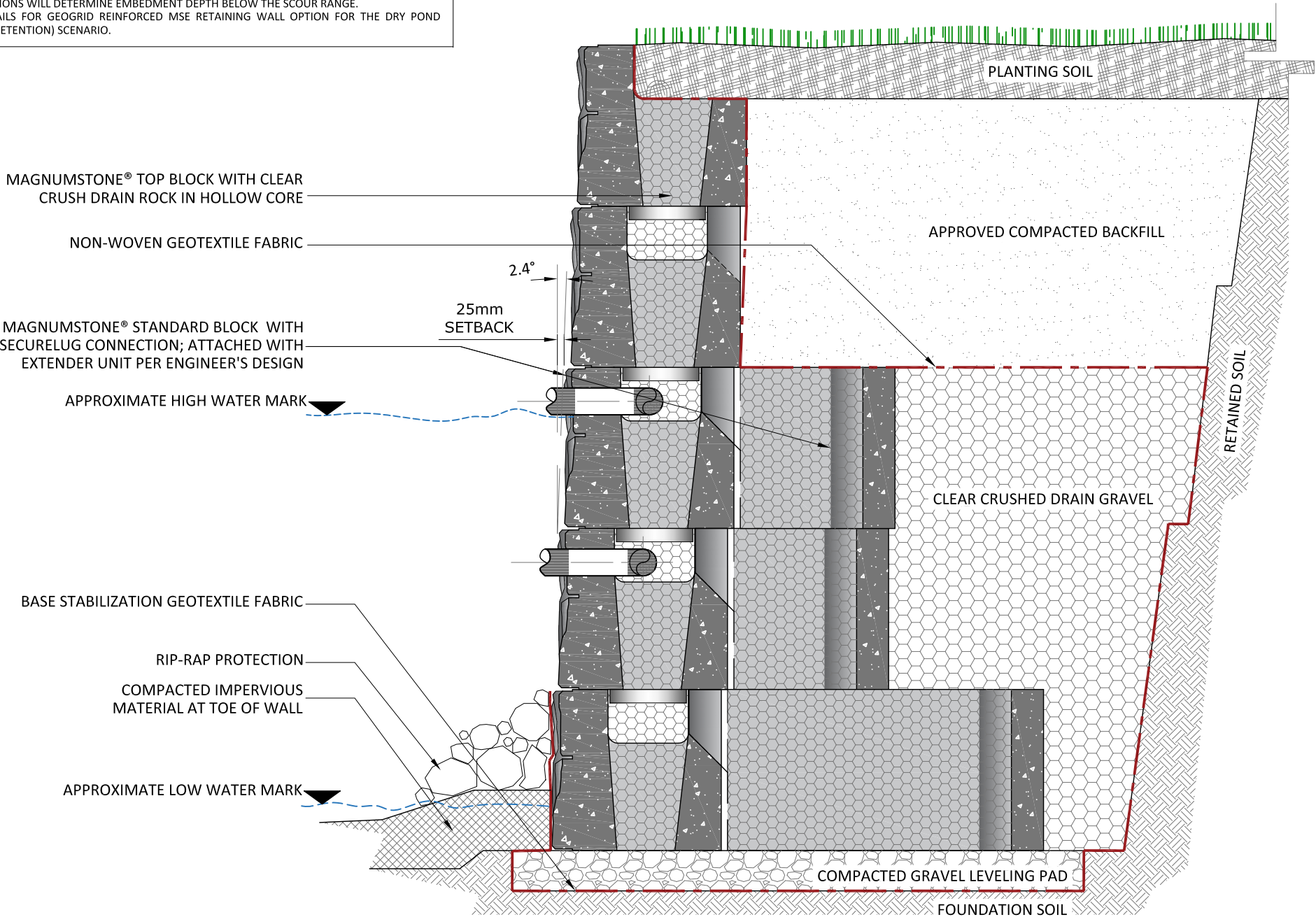


GENERAL NOTES:

1. A DRY POND IS A STORMWATER MANAGEMENT SYSTEM WITH A TEMPORARY POOL THAT STORES AND TREATS STORMWATER.
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. SEE OTHER DETAILS FOR GEOGRID REINFORCED MSE RETAINING WALL OPTION FOR THE DRY POND (STORMWATER DETENTION) SCENARIO.



01 GRAVITY-DETENTION DRY 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.

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

REMARKS:

PURPOSE OF ISSUE:

- ☐ INFORMATION
☐ REVIEW / APPROVAL
☐ PRODUCTION

SHEET CONTENT

MAGNUMSTONE
GRAVITY WALL
STORMWATER APPLICATIONS

DETENTION DRY POND
CROSS SECTION DETAILS

SHEET REFERENCE

101
1111-MS-STM

DRAWING INFORMATION

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



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MAGNUMSTONE® TOP BLOCK WITH CLEAR
CRUSH DRAIN ROCK IN HOLLOW CORE

NON-WOVEN GEOTEXTILE FABRIC

MAGNUMSTONE® STANDARD BLOCK WITH
SECURELUG CONNECTION WITH GEOGRID
REINFORCEMENT PER ENGINEER'S DESIGN

APPROXIMATE HIGH WATER MARK

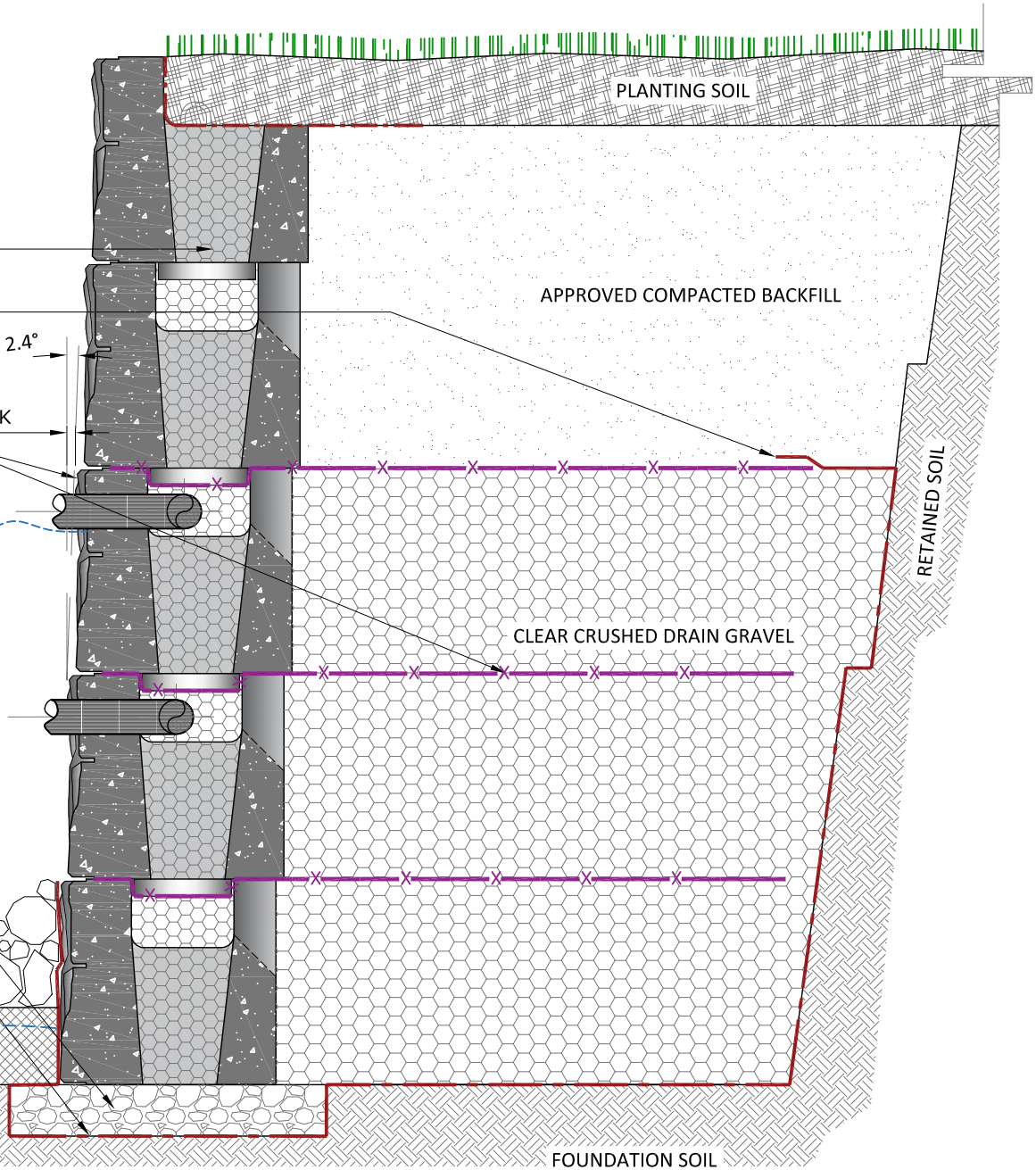
COMPACTED GRAVEL LEVELING PAD

BASE STABILIZATION GEOTEXTILE FABRIC

RIP-RAP PROTECTION

COMPACTED IMPERVIOUS
MATERIAL AT TOE OF WALL

APPROXIMATE LOW WATER MARK



FOUNDATION SOIL

PLANTING SOIL

APPROVED COMPACTED BACKFILL

RETAINED SOIL

CLEAR CRUSHED DRAIN GRAVEL

02

DETENTION DRY POND DETAILS

SCALE 1 : 20

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