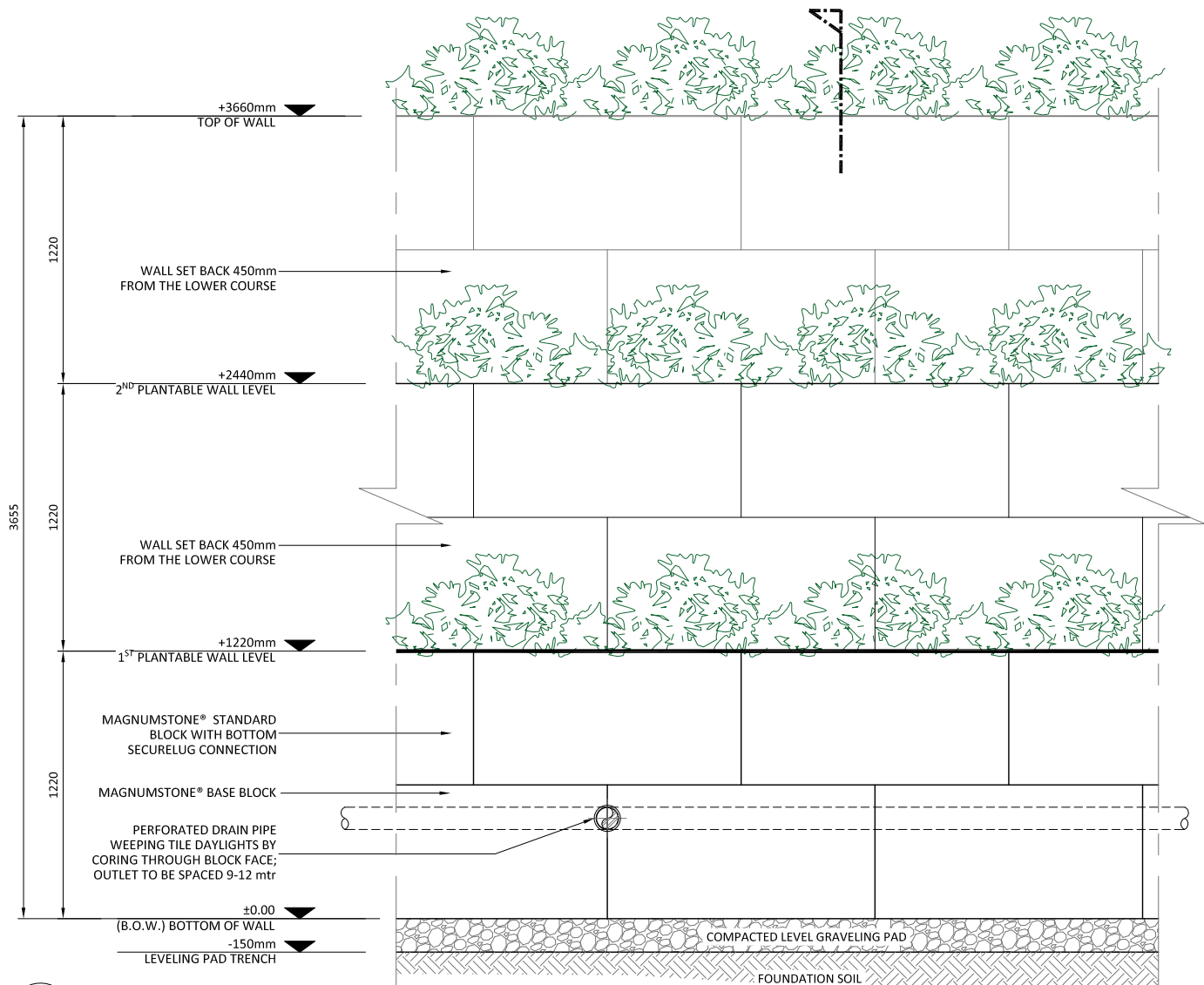
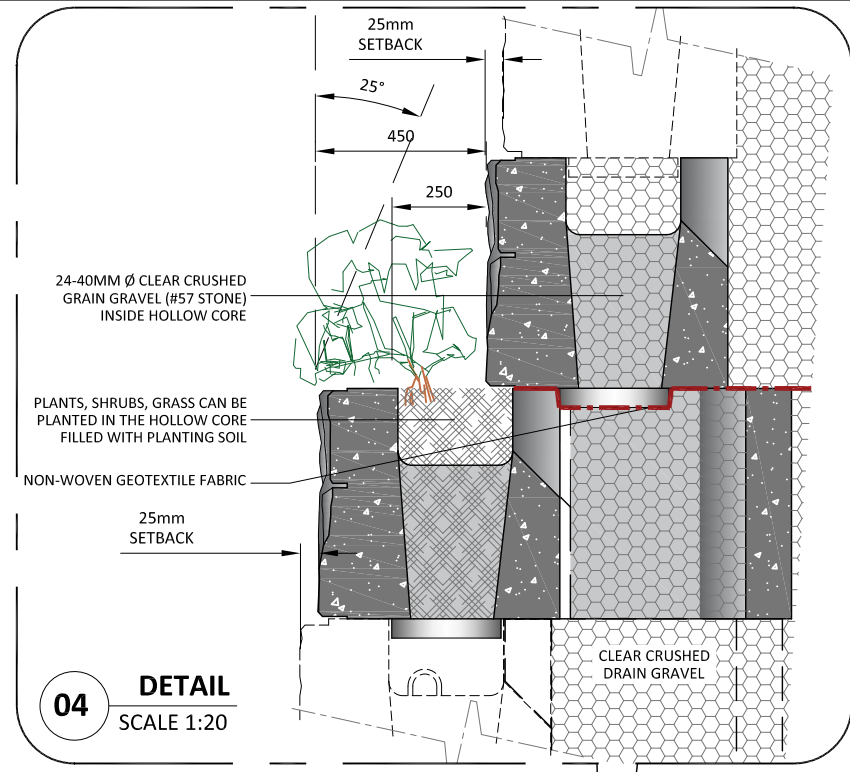


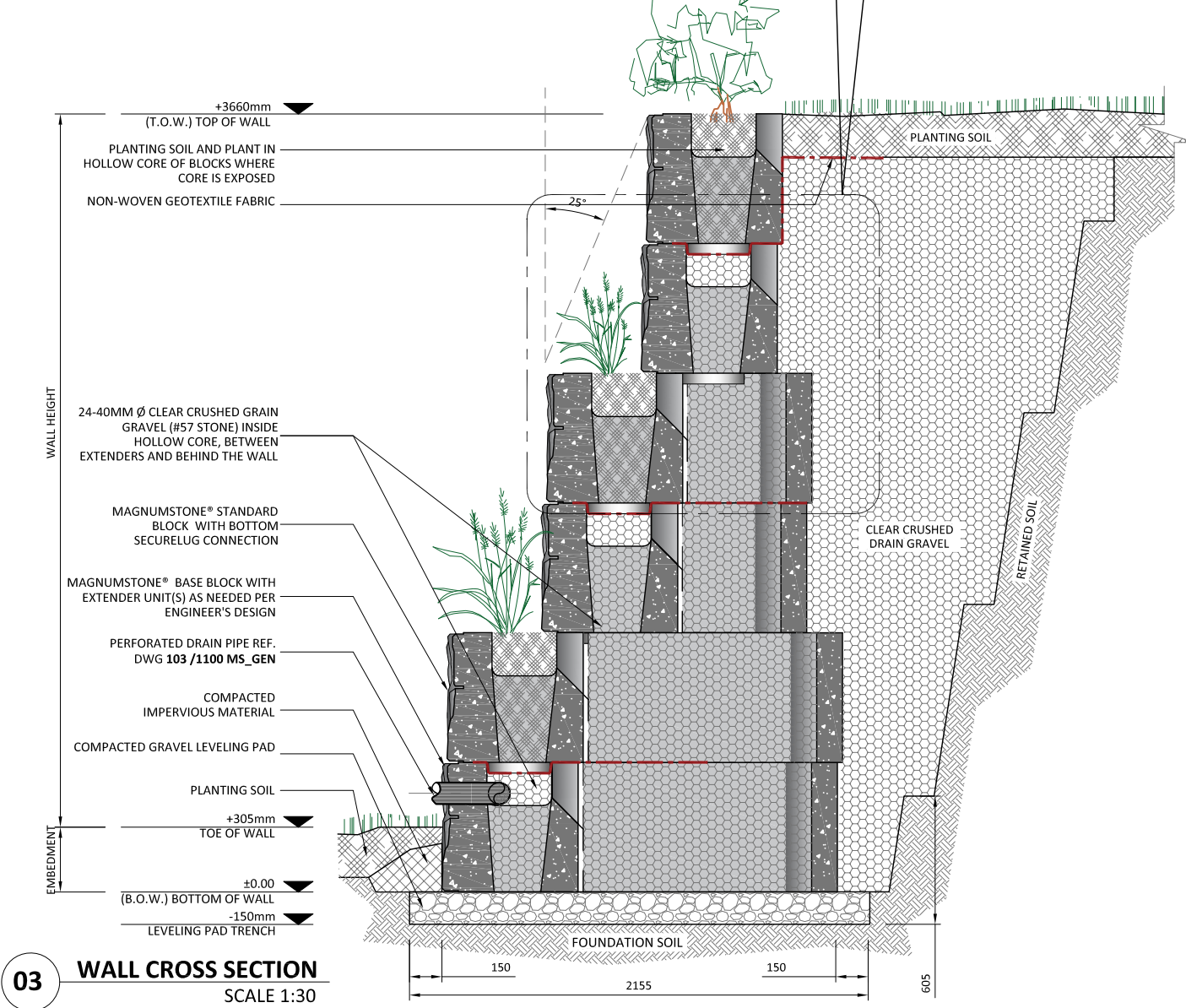
01 PLAN



02 FRONT ELEVATION  
SCALE 1:30



04 DETAIL  
SCALE 1:20



03 WALL CROSS SECTION  
SCALE 1:30

**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® PLANTABLE WALL CROSS SECTION DETAILS**

**SHEET REFERENCE**

**101**

**1104-MS-PLT**

**DRAWING INFORMATION**

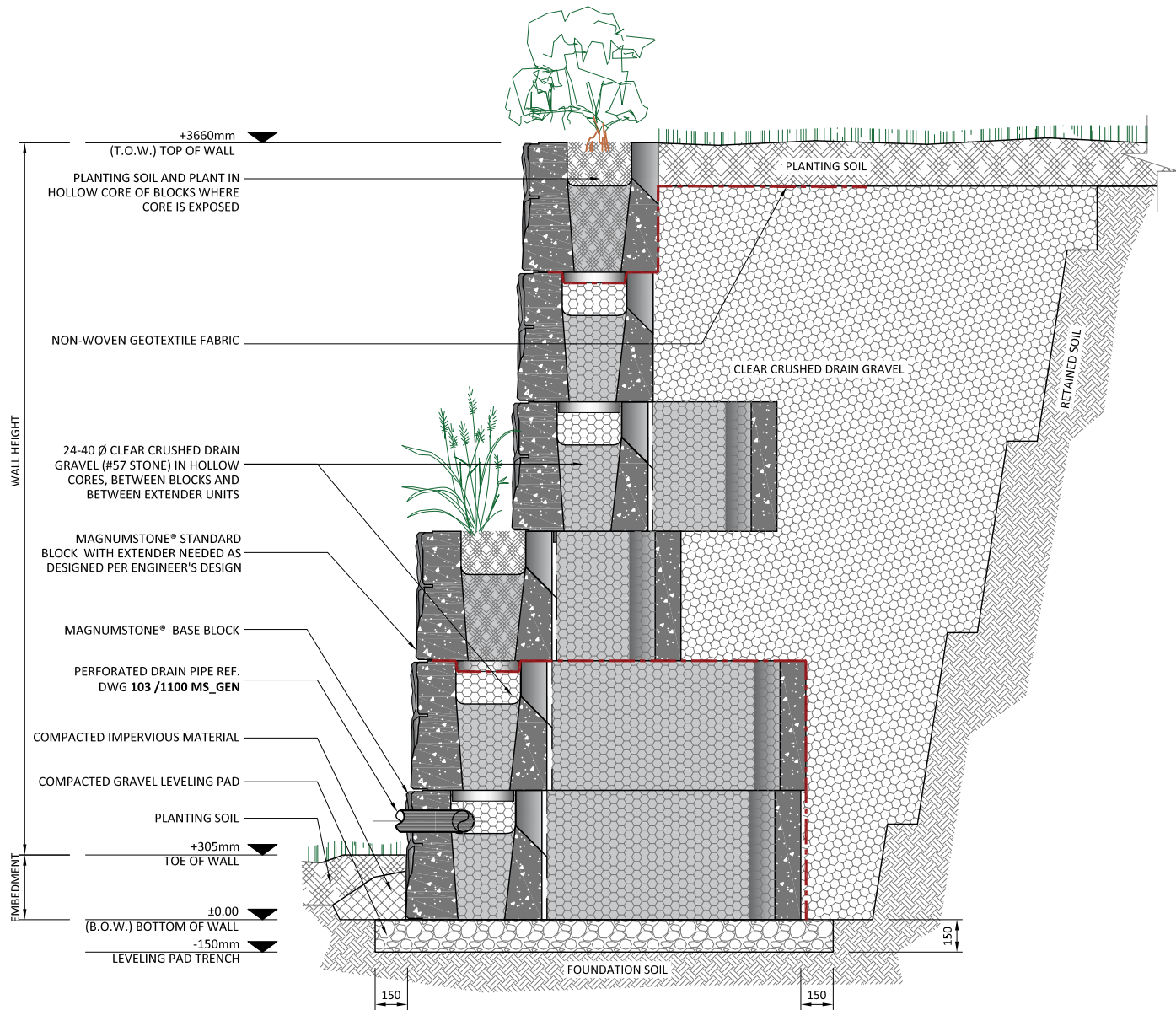
SCALE : AS INDICATED

PAPER SIZE: 431.8mm X 279.5mm

PREPARED BY: RM







01

### CROSS SECTION - OPTION 2

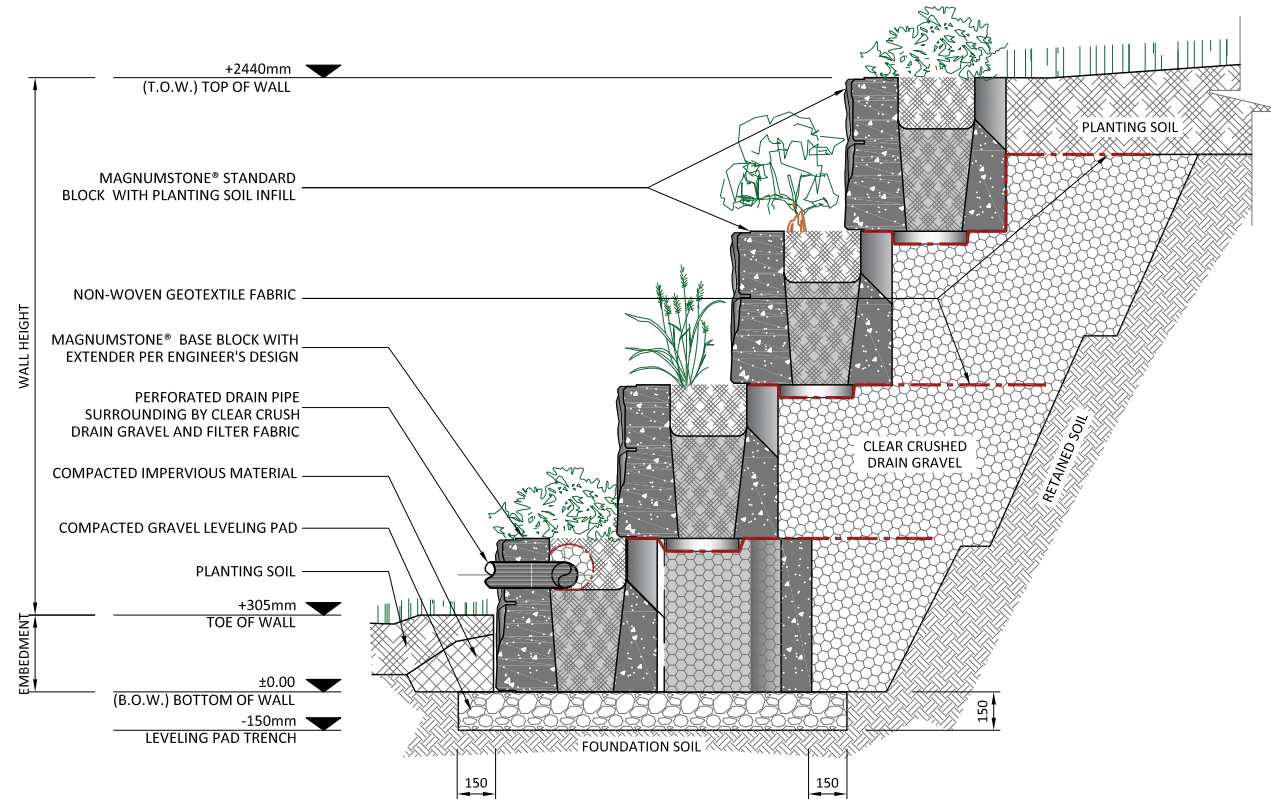
SCALE 1:30



FRONT ISOMETRIC

03

### ISOMETRIC VIEW



02

### CROSS SECTION - OPTION 3

SCALE 1:30



REAR ISOMETRIC

#### 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® PLANTABLE WALL CROSS SECTION OPTIONS

#### SHEET REFERENCE

102

1104-MS-PLT

#### DRAWING INFORMATION

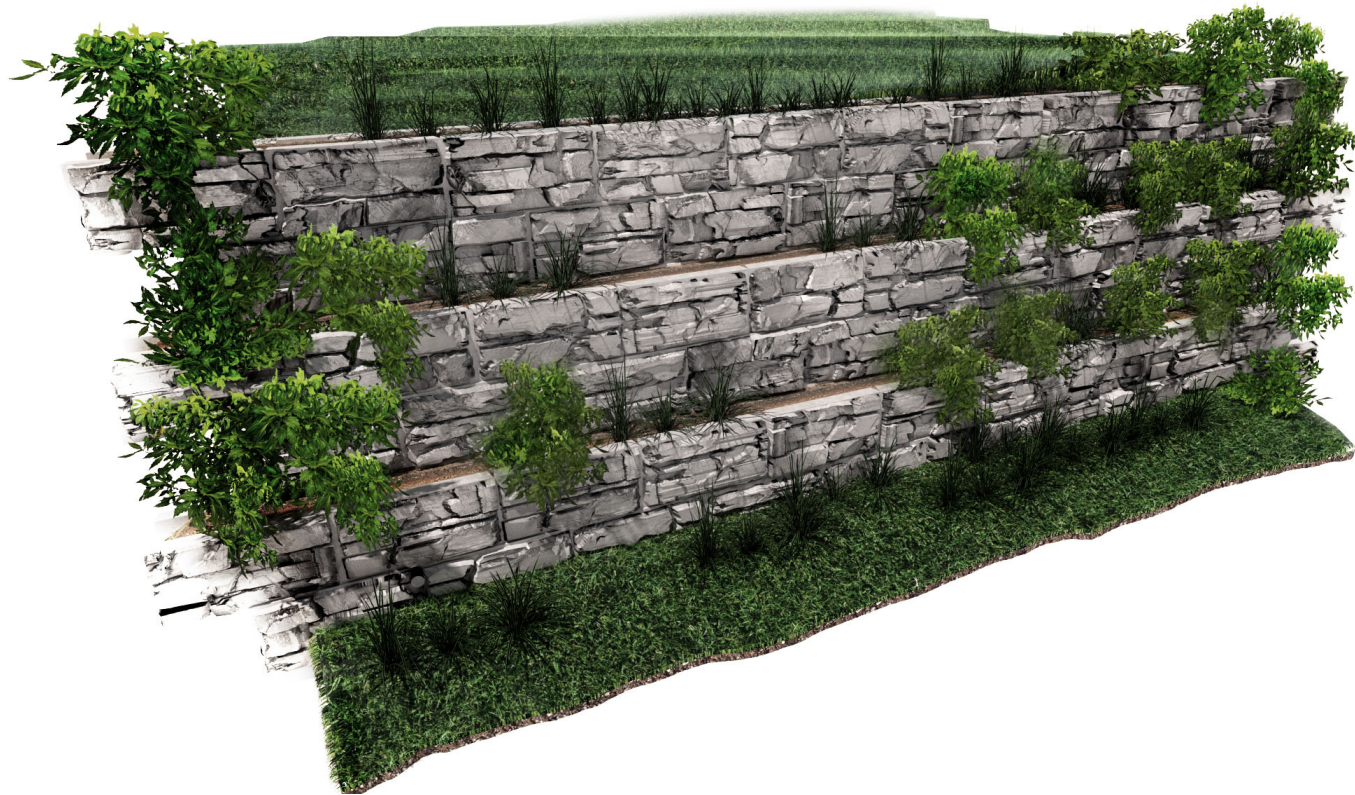
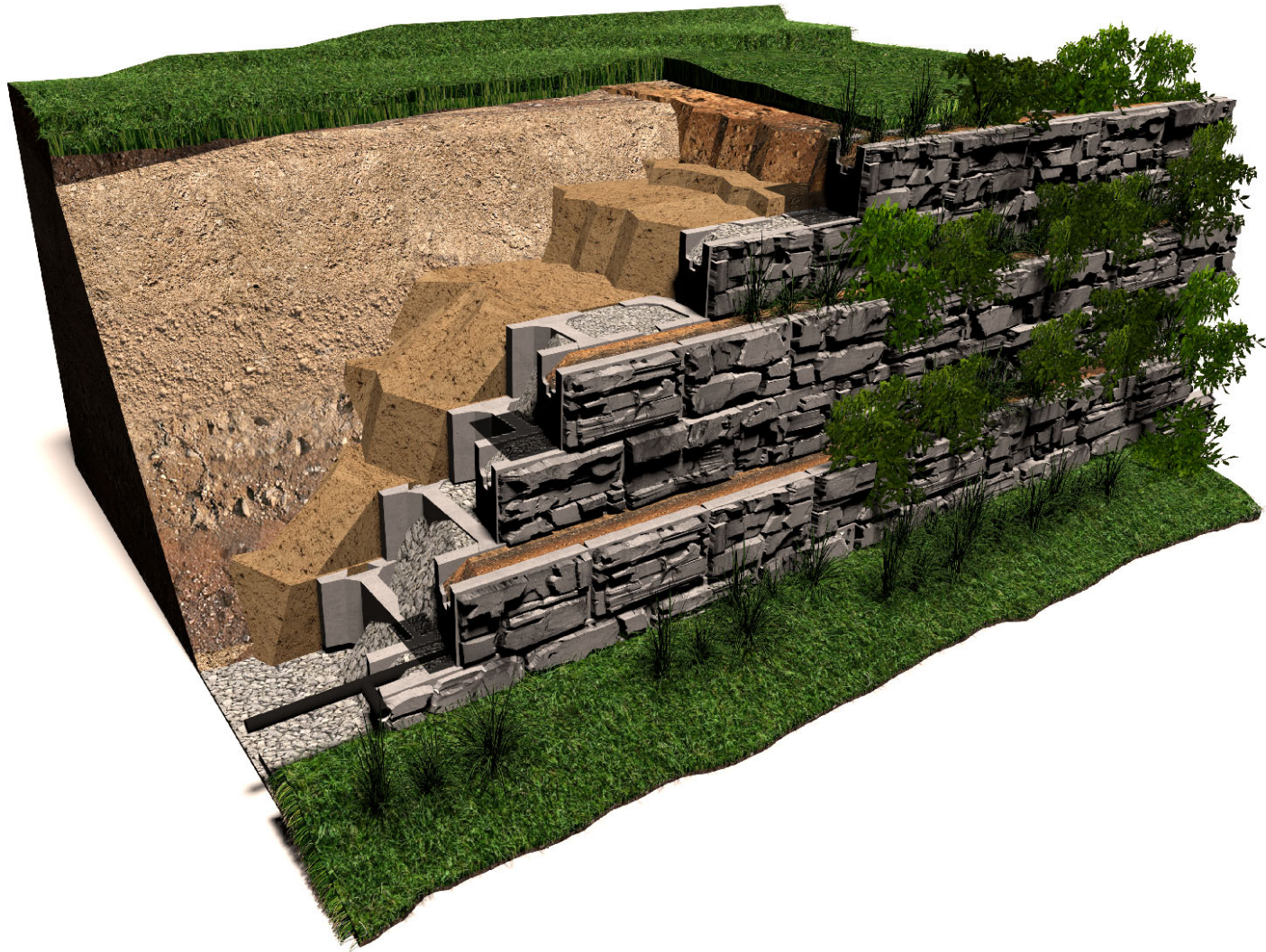
SCALE : AS INDICATED  
PAPER SIZE: 431.8mm X 279.5mm  
PREPARED BY: RM



**MagnumStone**  
RETAINING WALLS

www.MAGNUMSTONE.com | 1 (800) 939-9193





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® PLANTABLE WALL

PERSPECTIVE

SHEET REFERENCE

201

1104-MS-PLT

DRAWING INFORMATION

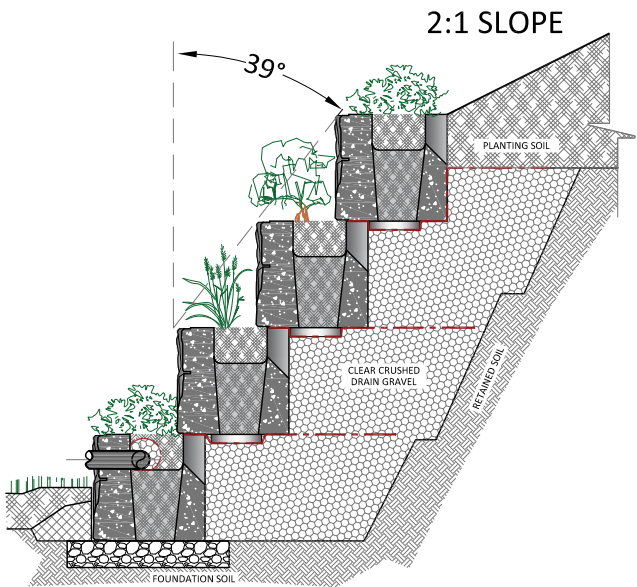
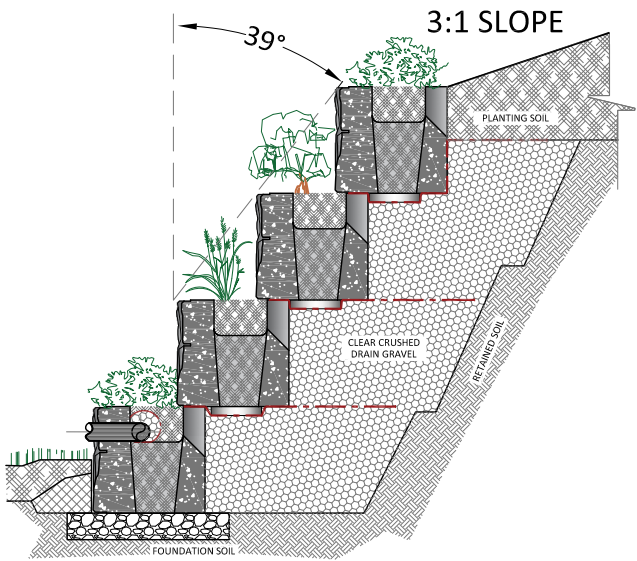
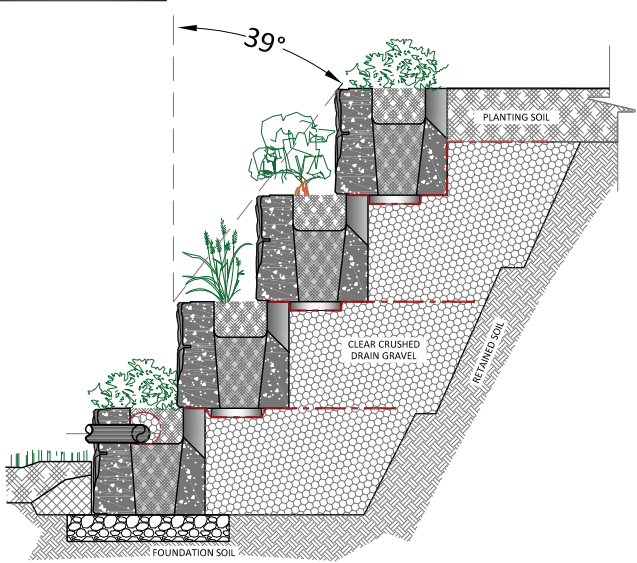
SCALE :AS INDICATED

PAPER SIZE:431.8mm X 279.5mm

PREPARED BY:RM







SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	20.9' [6370 mm]	1.1' [335 mm]	22.0' [6706 mm]
30° SOIL	20.9' [6370 mm]	1.1' [335 mm]	22.0' [6706 mm]
26° SOIL	14.2' [4420 mm]	0.8' [244 mm]	15.0' [4572 mm]

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	20.9' [6370 mm]	1.1' [335 mm]	22.0' [6706 mm]
30° SOIL	17.0' [5182 mm]	1.0' [305 mm]	18.0' [5486 mm]
26° SOIL	10.4' [3170 mm]	0.6' [183mm]	11.0' [3353 mm]

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	20.9' [6370 mm]	1.1' [335 mm]	22.0' [6706 mm]
30° SOIL	13.2' [4023 mm]	0.8' [244 mm]	14.0' [4267 mm]
26° SOIL	N/A	N/A	N/A

DISCLAIMER.

This chart is for initial estimation purposes only. Do not use for final design or construction. Retain a licensed professional engineer to design every wall on a case-by-case basis using site specific criteria. The accuracy and use of this document are the sole responsibility of the user. All calculations were performed based on NCMA methodology using factors of safety of 1.5 for sliding and overturning. The bearing capacity of base soils will be no less than 3,000 pounds per square foot (psf ). All soils have been assumed to be less than 125 pounds per cubic foot (pcf ). Global Stability Analysis has not been performed. Wall heights shown are for MagnumStone retaining walls without extender units. Taller walls may be designed using extenders per Engineer's recommendation.'

**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® PLANTABLE WALL

2-ft PLANTABLE WALL CHART AT 39° SETBACK

SHEET REFERENCE

301

1104-MS-PLT

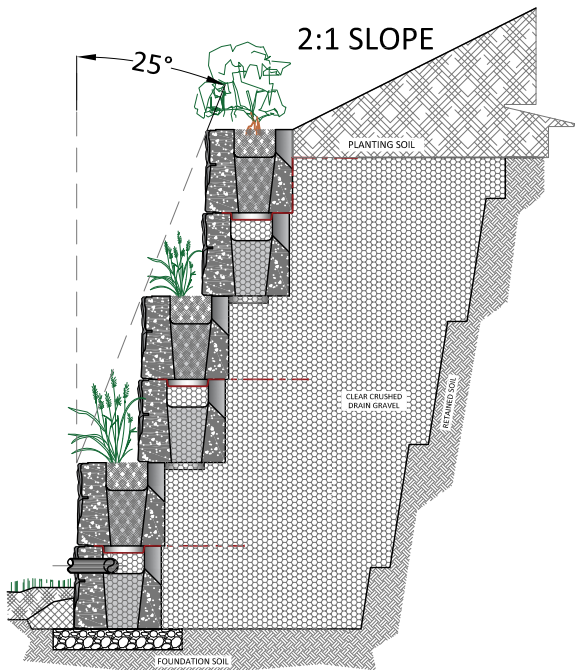
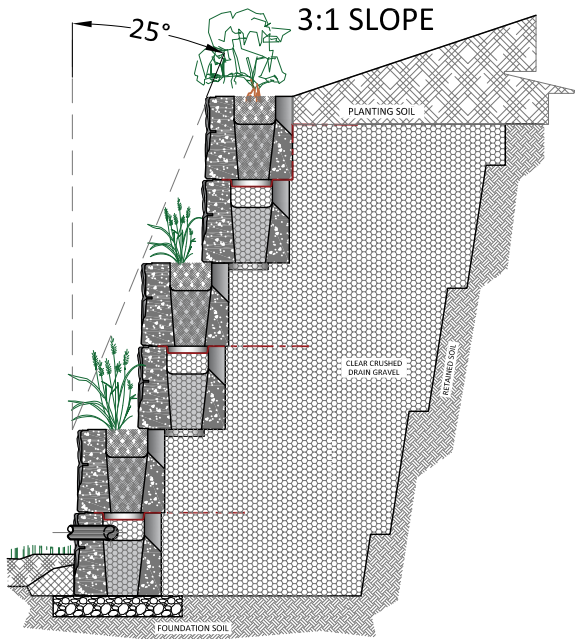
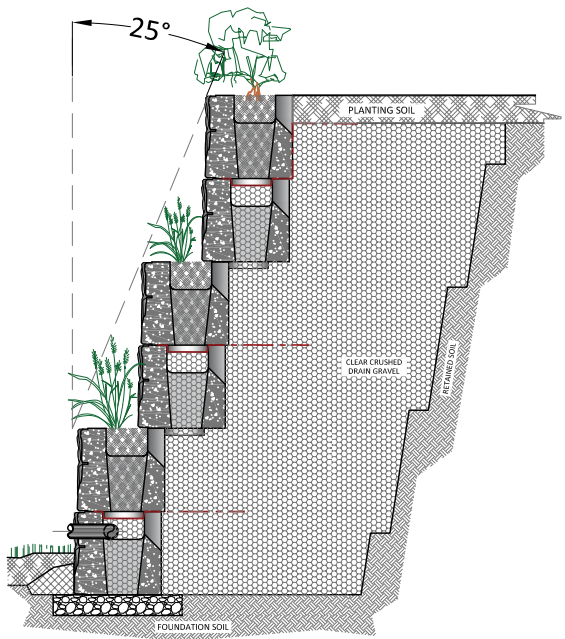
DRAWING INFORMATION

SCALE : AS INDICATED

PAPER SIZE: 431.8mm X 279.5mm

PREPARED BY: RM





SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	14.2' [4328 mm]	0.8' [244 mm]	15' [6706 mm]
30° SOIL	10.4' [3170 mm]	0.6' [183 mm]	11' [6706 mm]
26° SOIL	7.5' [2286 mm]	0.5' [152 mm]	8' [4572 mm]

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	11.3' [3444 mm]	0.7' [213 mm]	12' [3658 mm]
30° SOIL	7.5' [2286 mm]	0.5' [152 mm]	8' [4572 mm]
26° SOIL	5.5' [1676mm]	0.5' [152 mm]	6' [1829 mm]

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	9.4' [2865 mm]	0.6' [183 mm]	10' [3048 mm]
30° SOIL	5.5' [1676 mm]	0.5' [152 mm]	6' [1829 mm]
26° SOIL	N/A	N/A	N/A

DISCLAIMER.

This chart is for initial estimation purposes only. Do not use for final design or construction. Retain a licensed professional engineer to design every wall on a case-by-case basis using site specific criteria. The accuracy and use of this document are the sole responsibility of the user. All calculations were performed based on NCMA methodology using factors of safety of 1.5 for sliding and overturning. The bearing capacity of base soils will be no less than 3,000 pounds per square foot (psf ). All soils have been assumed to be less than 125 pounds per cubic foot (pcf ). Global Stability Analysis has not been performed. Wall heights shown are for MagnumStone retaining walls without extender units. Taller walls may be designed using extenders per Engineer's recommendation.'

**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® PLANTABLE WALL**

**4-ft PLANTABLE WALL CHART AT 25° SETBACK**

SHEET REFERENCE

**302**

**1104-MS-PLT**

**DRAWING INFORMATION**

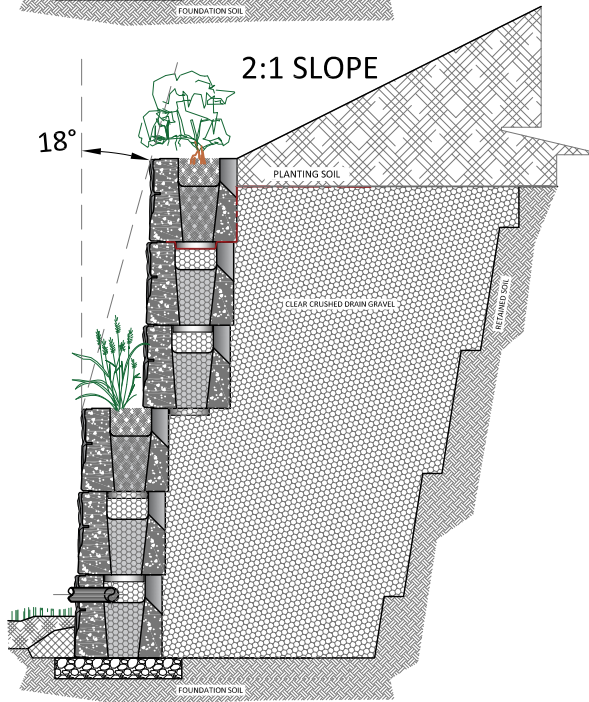
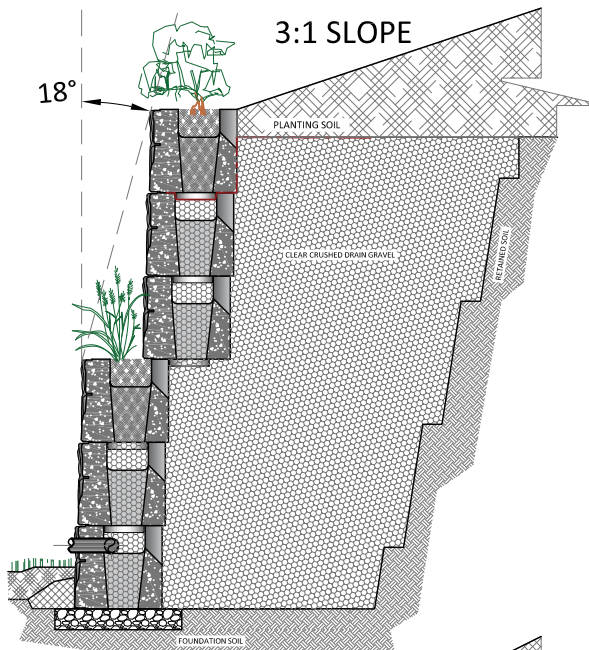
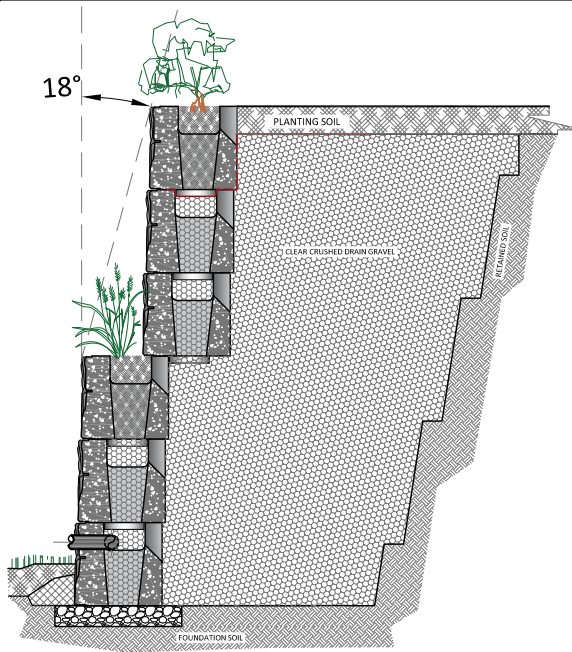
SCALE : AS INDICATED

PAPER SIZE: 431.8mm X 279.5mm

PREPARED BY: RM







SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	10.4' [3170 mm]	0.6' [183 mm]	11' [3353 mm]
30° SOIL	8.5' [2591 mm]	0.5' [152 mm]	9' [2743 mm]
26° SOIL	6.5' [1981 mm]	0.5' [152 mm]	7' [2134 mm]

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	8.5' [2591 mm]	0.5' [152 mm]	9' [2743 mm]
30° SOIL	N/A	N/A	N/A
26° SOIL	N/A	N/A	N/A

SOIL TYPE	HEIGHT EXPOSED	HEIGHT EMBEDDED	TOTAL
34° SOIL	6.5' [1981 mm]	0.5' [152 mm]	7' [2134 mm]
30° SOIL	N/A	N/A	N/A
26° SOIL	N/A	N/A	N/A

DISCLAIMER.

This chart is for initial estimation purposes only. Do not use for final design or construction. Retain a licensed professional engineer to design every wall on a case-by-case basis using site specific criteria. The accuracy and use of this document are the sole responsibility of the user. All calculations were performed based on NCMA methodology using factors of safety of 1.5 for sliding and overturning. The bearing capacity of base soils will be no less than 3,000 pounds per square foot (psf ). All soils have been assumed to be less than 125 pounds per cubic foot (pcf ). Global Stability Analysis has not been performed. Wall heights shown are for MagnumStone retaining walls without extender units. Taller walls may be designed using extenders per Engineer's recommendation.'

**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® PLANTABLE WALL**

**6-ft PLANTABLE WALL CHART AT 18° SETBACK**

SHEET REFERENCE

303

1104-MS-PLT

DRAWING INFORMATION

SCALE : AS INDICATED

PAPER SIZE: 431.8mm X 279.5mm

PREPARED BY: RM

