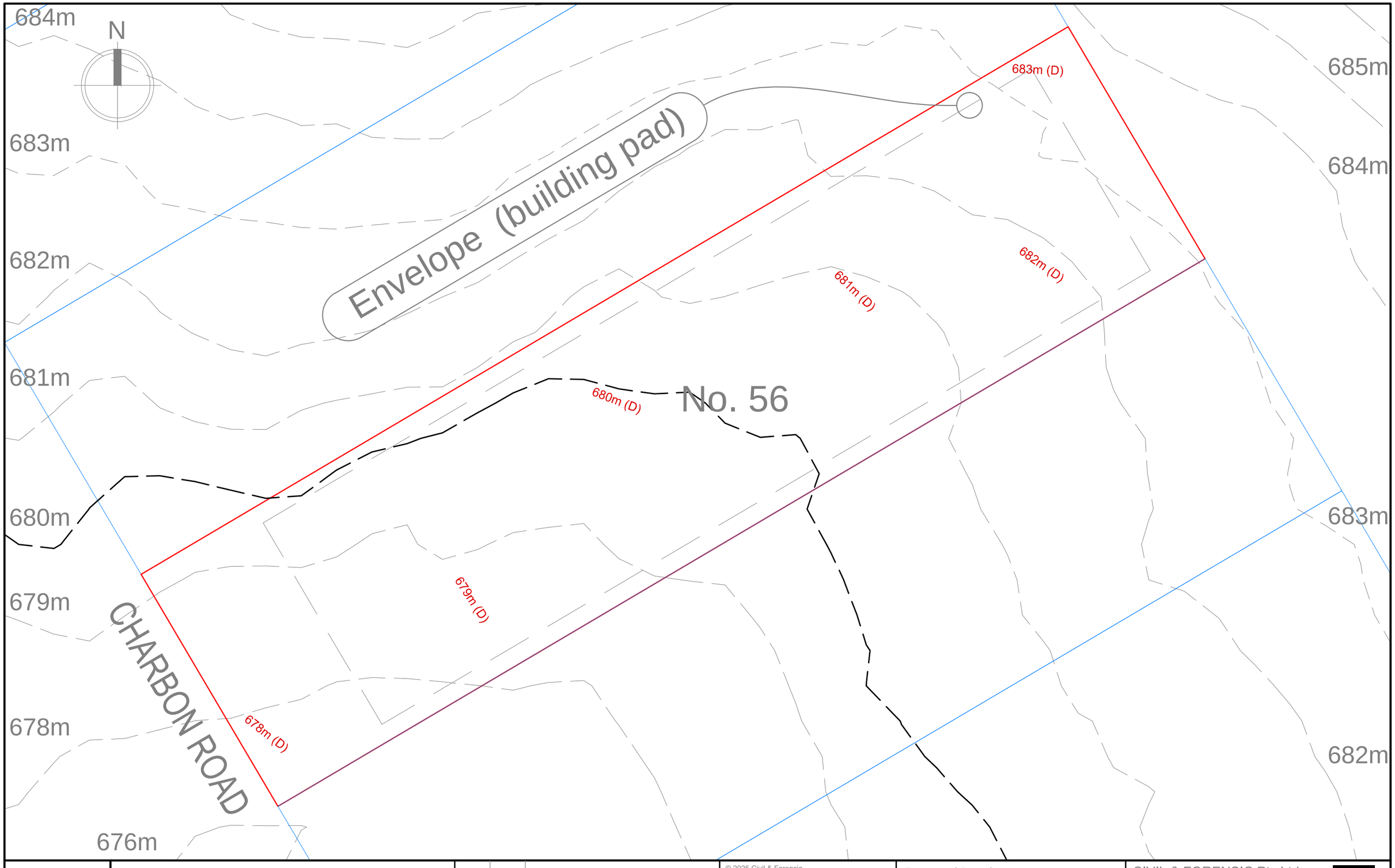


A3

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75mm

FOR MICROFILMING PURPOSES ONLY

| Amendment | Date | Description |
|---|---|---|
| A | 09.04.25 | Shed moved away from rear boundary |



Drawn : AB

Date : 07.04.25

Certified:

Scale: 1:200

Proposed Development
56 Charbon Road
Charbon NSW 2848

Ground Contours - Existing

CLIENT: Joseph Almasi

CIVIL & FORENSIC Pty Ltd
CONSULTING ENGINEERS
32 CASEY CIRCUIT (PO BOX 632) BATHURST NSW 2795
Telephone: (02) 6332-5400
Web: www.cnf.com.au
ABN 14 004 830 706

DRAWING NO: 25026

SHEET NO: 1

ISSUE: A

N

684m
683m
682m
681m
680m
679m
678m
676m
685m
684m
683m
682m

Grassed Batter to Boundary

Maximum bank slope 1:4

A
3

683m (D)
682m (D)
681m (D)
680m (D)
679m (D)
678m (D)

CUT
FILL

No. 56

Proposed Shed

SW PIT

SW

SW 100 uPVC

Proposed Retaing Walls

A
3

SW PIT

SW

KERB OUTLET

CHARBON ROAD

Proposed House

| | | | |
|---|---|---|---|
| A3 | 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75mm<br>FOR MICROFILMING PURPOSES ONLY | | |

| Amendment | Date | Description |
|---|---|---|
| B | 14.05.25 | Graded surface away from wall towards drain |
| A | 09.04.25 | Shed moved away from rear boundary |



Drawn : AB
Date : 07.04.25
Certified:
Scale: 1:200

Proposed Development
56 Charbon Road
Charbon NSW 2848

Construction & Contours - Proposed

CLIENT:
Joseph Almasi

CIVIL & FORENSIC Pty Ltd
CONSULTING ENGINEERS
32 CASEY CIRCUIT (PO BOX 632) BATHURST NSW 2795
Telephone: (02) 6332-5400
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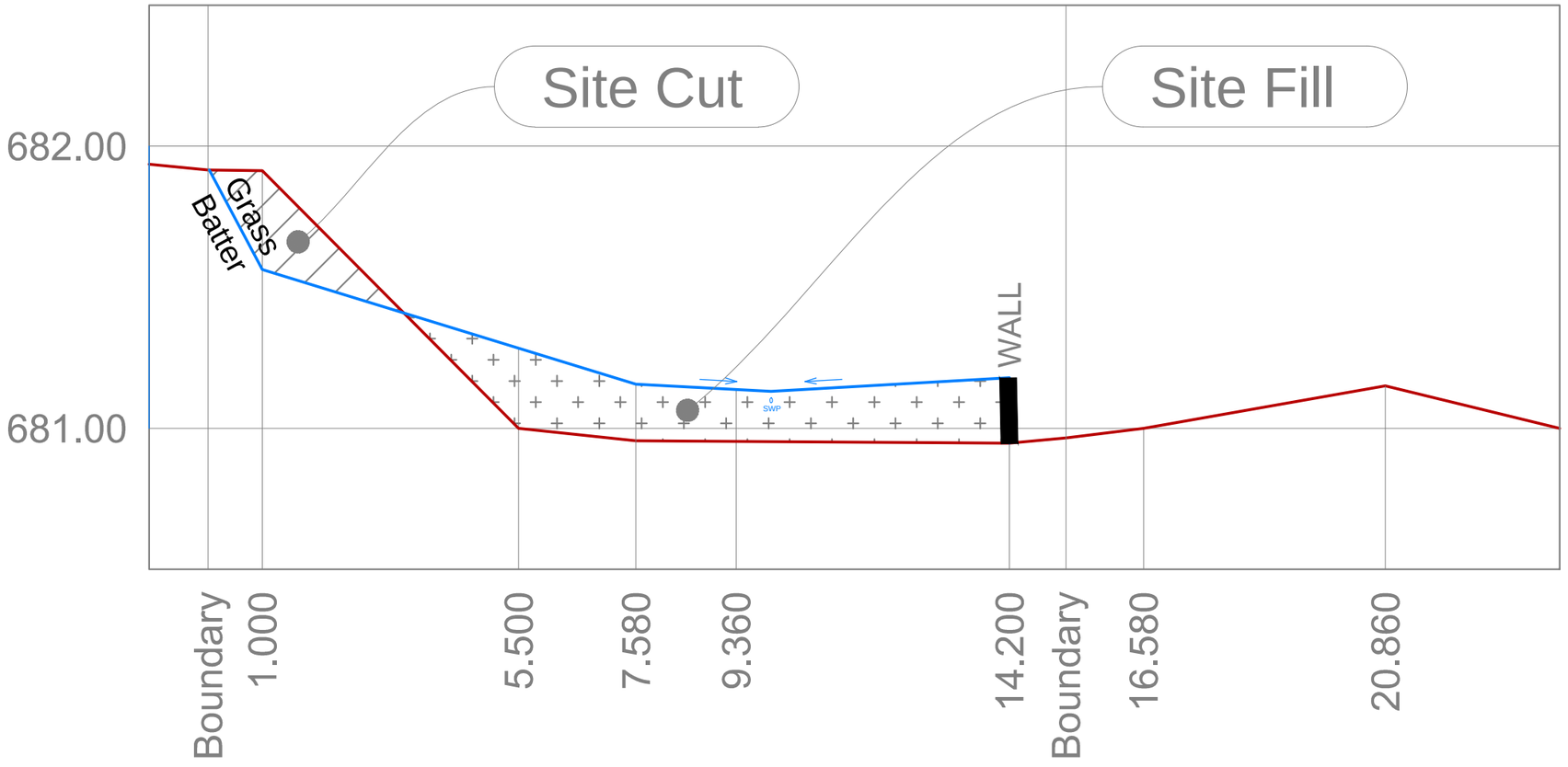
ABN 14 004 830 706

DRAWING NO: 25026
SHEET NO: 2
ISSUE: B




A3

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75mm

FOR MICROFILMING PURPOSES ONLY

| Amendment | Date | Description |
|---|---|---|
| B | 14.05.25 | Graded surface away from wall towards drain |



Drawn : AB
Date : 07.04.25
Certified:
Scale: 1:100H 1:20V

Proposed Development
56 Charbon Road
Charbon NSW 2848

Typical Section

CLIENT: Joseph Almasi

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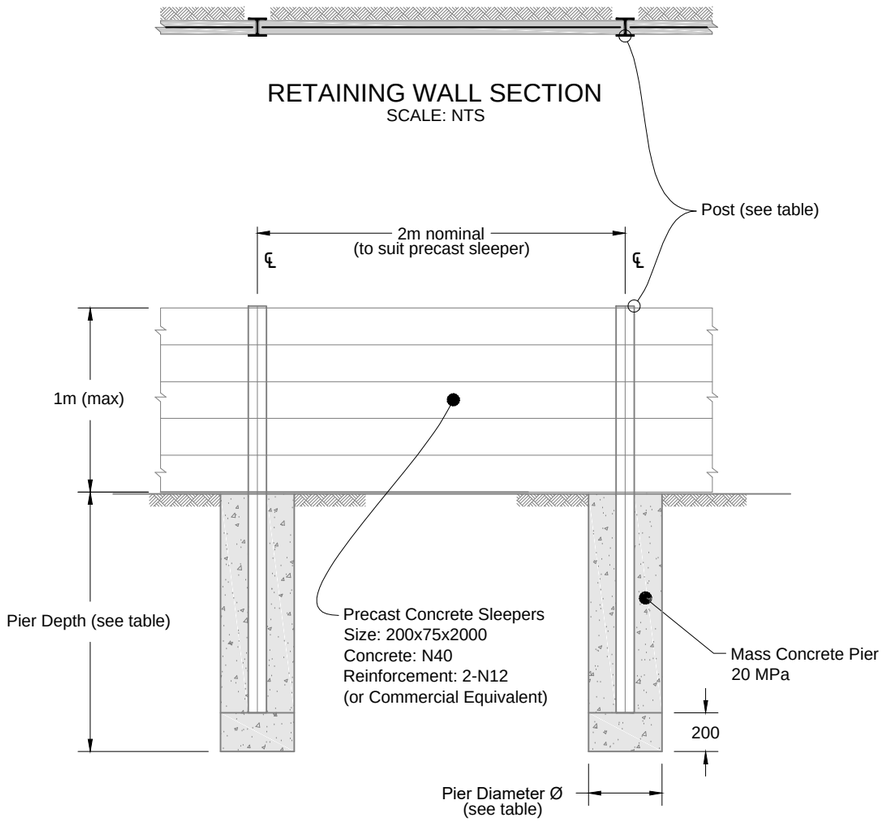
ABN 14 004 830 706

DRAWING NO: 25026
SHEET NO: 3
ISSUE: B

| RETAINING WALL DETAILS | |
|---|---|
| SURCHARGE LOAD | 25kPa |
| FENCE | ** max 1.8m on wall |
| POST | 100UC14.8 300Plus (Galvanised) |
| PIER DIAMETER | 300mm Ø |
| **WALL HEIGHT (m)** | **PIER DEPTH (m)** |
| 1.0 | 1.2 / 1.95** |
| 0.8 | 1.1 / 1.8** |
| 0.6 | 1.0 / 1.7** |
| 0.4 | 0.85 / 1.6** |

** deeper pier to allow for N2 wind load on fence




RETAINING WALL ELEVATION
SCALE: NTS

# Notes

**CONCRETE:** Supply and place concrete in accordance with AS3600 and the following requirements:
- N20 - 20MPa (F'c - 28 days);
- 80mm maximum slump;
- Pour in 400mm lifts
- compact each with rods or vibrator.

**JOINTS:** No joints are permitted in posts or sleepers.

**BRACING:** No compaction of fill within 2m of wall unless lateral support is provided to wall during activity.

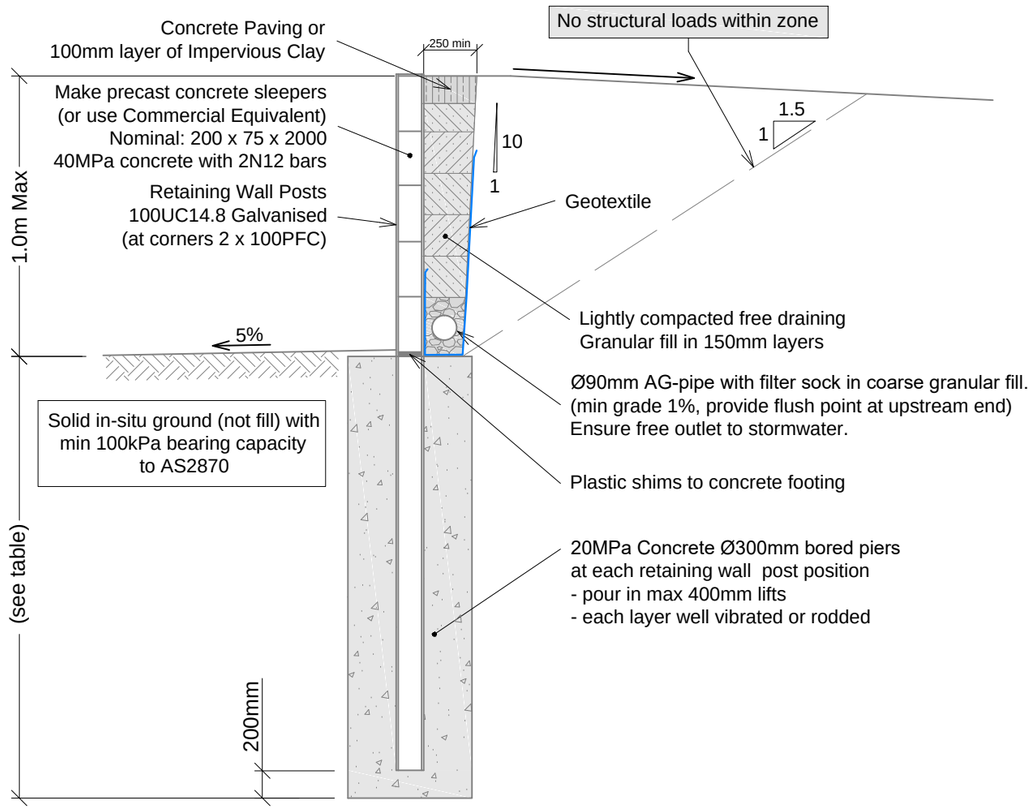
**SITE FILL:** Areas of site fill are assumed to be uncontrolled fill. All buildings constructed on this fill are to be piered down to natural material of sufficient bearing capacity. Refer to structural design for these buildings.

**OTHER STRUCTURES:**
Ensure wall construction does not effect the structural integrity of adjacent structures.

**Wall Design Parameters:**
- Risk Class B

Insutu Material
- Stiff Clay
- Weight: 18kN/m³
- Friction Angle: 22°
- Cohesion: 10kPa

Backfill Material
- Uncontrolled Fill (clay)
- Weight: 12kN/m³
- Friction Angle: 25°
- Cohesion: 10kPa




RETAINING WALL DETAIL
SCALE: NTS

A3

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75mm
FOR MICROFILMING PURPOSES ONLY

| Amendment | Date | Description |
|---|---|---|
| | | |



Drawn : AB
Date : 07.04.25
Certified:
Scale: AS SHOWN

Proposed Development
56 Charbon Road
Charbon NSW 2848

Retaining Wall Details

CLIENT:
Joseph Almasi

CIVIL & FORENSIC Pty Ltd
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DRAWING NO: 25026
SHEET NO: 4
ISSUE