

REGULATED DESIGN RECORD

PROJECT ADDRESS: 30 DIGGINGS TERRACE, THREDBO

PROJECT TITLE: BLACK BEAR INN

CONSENT NUMBER:

DRAWING TITLE

PILING PLAN

SCALE AT B1: 1 : 50

JOB NUMBER

PMI-2021-053

DRAWING NUMBER

S10d

REVISION

4

| REV | DATE       | DESCRIPTION                                                  | DP FULL NAME    | REG NO     |
|-----|------------|--------------------------------------------------------------|-----------------|------------|
| 1   | 01.02.2022 | REVISED FOR PARTICULARS OF REGULATED DESIGN - GROUND ANCHORS | THOMAS WILLIAMS | PRE0001122 |
| 2   | 28.02.2022 | CONSOLIDATED SHEETS FOR DA SUBMISSION                        | THOMAS WILLIAMS | PRE0001122 |
| 3   | 29.04.2022 | DIFFERENTIATION BETWEEN BUILT AND UNBUILT WORKS              | THOMAS WILLIAMS | PRE0001122 |
| 4   | 22.06.2022 | SPLIT ANCHOR N1/N2 ANCHOR GROUP                              | THOMAS WILLIAMS | PRE0001122 |

CLIENT:

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FOR CONSTRUCTION

ALL SETOUT TO ARCHITECT'S DRAWINGS. DIMENSIONS TO BE VERIFIED WITH ARCHITECT AND BUILDER BEFORE COMMENCING SHOP DRAWINGS OR SITE WORK. ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.

Diagram illustrating the piling plan for the Black Bear Inn project. The plan shows the layout of various piles (AX, A0-A8, N1a-N1h, N2a-N2c, B1-B10) and retaining walls (RW1, RW2) around the excavation areas. Key features include:

- Excavation to approx RL1381.8 (hatched area).
- Excavation to approx RL1379.0 (blue outline area).
- Excavation to approx RL1387.9 (hatched area).
- Excavation to approx RL1379.56 TBC (blue grid area).
- Temporary batter @ 1H:2V to facilitate installation of RW1 (text label).
- Temporary batter to facilitate installation of RW1 based on 1V:1.5H (text label).
- Lower piles deleted to grid 1 TBC (text label).
- 795 CANDLELIGHT LODGE (top building).
- 793 SASHA'S APARTMENTS (bottom building).
- BOUNDARY lines (dashed lines).
- Grid lines A through F and 1 through 5.
- Various pile types and dimensions listed in the table on the right.

| ANCHOR SCHEDULE |           |          |             |           |       |                   |                |                    |                                |                                |           |
|-----------------|-----------|----------|-------------|-----------|-------|-------------------|----------------|--------------------|--------------------------------|--------------------------------|-----------|
| IDENTIFIER      | TYPE MARK | DIAMETER | LENGTH (mm) | ANCHOR RL | ANGLE | WORKING LOAD (kN) | TEST LOAD (kN) | LOCK OFF LOAD (kN) | MIN EXTENSION - TEST LOAD (mm) | MAX EXTENSION - TEST LOAD (mm) | INSTALLED |
| A0              | RA1       | 26.5mm   | 6600        | 1384.12   | 30°   | 130               | 270            | 130                | 7.16                           | 11.46                          | YES       |
| A1              | RA2       | 32mm     | 10900       | 1385.24   | 30°   | 290               | 580            | 290                | 10.55                          | 24.45                          | YES       |
| A2              | RA2       | 32mm     | 12200       | 1385.50   | 30°   | 340               | 680            | 340                | 12.37                          | 31.35                          | YES       |
| A3              | RA2       | 32mm     | 12900       | 1385.67   | 30°   | 360               | 730            | 360                | 13.28                          | 35.20                          | YES       |
| A4-1            | RA1       | 26.5mm   | 9800        | 1386.77   | 30°   | 300               | 500            | 300                | 13.27                          | 28.30                          | YES       |
| A4-2            | RA1       | 26.5mm   | 10100       | 1384.37   | 17.5° | 320               | 520            | 320                | 13.80                          | 30.12                          | YES       |
| A5-1            | RA2       | 32mm     | 10500       | 1387.30   | 30°   | 330               | 550            | 330                | 10.01                          | 22.52                          | YES       |
| A5-2            | RA2       | 32mm     | 11100       | 1384.38   | 17.5° | 360               | 590            | 360                | 10.74                          | 25.23                          | YES       |
| A6-1            | RA2       | 32mm     | 11200       | 1387.60   | 30°   | 360               | 600            | 360                | 10.92                          | 25.84                          | YES       |
| A6-2            | RA2       | 32mm     | 11900       | 1384.48   | 17.5° | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| A7-1            | RA3       | 36mm     | 13900       | 1388.24   | 30°   | 480               | 800            | 480                | 11.50                          | 32.40                          | YES       |
| A7-2            | RA3       | 36mm     | 13900       | 1384.48   | 17.5° | 480               | 800            | 480                | 11.50                          | 32.40                          | YES       |
| AX              | RA1       | 26.5mm   | 6000        | 1383.75   | 30°   | 110               | 220            | 110                | 5.84                           | 8.76                           | YES       |
| B1              | RA1       | 26.5mm   | 7200        | 1381.45   | 30°   | 150               | 310            | 150                | 8.23                           | 13.98                          | YES       |
| B2              | RA1       | 26.5mm   | 8600        | 1381.75   | 30°   | 210               | 410            | 210                | 10.88                          | 21.03                          | YES       |
| B3              | RA1       | 26.5mm   | 9100        | 1382.20   | 30°   | 220               | 450            | 220                | 11.94                          | 24.08                          | YES       |
| B4              | RA2       | 32mm     | 12300       | 1382.91   | 30°   | 340               | 680            | 340                | 12.37                          | 31.55                          | YES       |
| B5-1            | RA1       | 26.5mm   | 9000        | 1384.27   | 30°   | 270               | 440            | 270                | 11.67                          | 23.35                          | NO        |
| B5-2            | RA2       | 32mm     | 10400       | 1381.68   | 15°   | 330               | 540            | 330                | 9.83                           | 21.94                          | NO        |
| B6              | RA1       | 26.5mm   | 9100        | 1384.79   | 30°   | 220               | 450            | 220                | 11.94                          | 24.08                          | NO        |
| B7              | RA1       | 26.5mm   | 9300        | 1384.85   | 30°   | 230               | 470            | 230                | 12.47                          | 25.56                          | NO        |
| B8-1            | RA2       | 32mm     | 11100       | 1387.55   | 30°   | 360               | 590            | 360                | 10.74                          | 25.23                          | YES       |
| B8-2            | RA2       | 32mm     | 11600       | 1384.48   | 15°   | 380               | 630            | 380                | 11.66                          | 27.89                          | NO        |
| N1-1a           | RA2       | 32mm     | 11900       | 1386.93   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1b           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1c           | RA2       | 32mm     | 11900       | 1386.93   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1d           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1e           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1f           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | YES       |
| N1-1g           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | NO        |
| N1-1h           | RA2       | 32mm     | 11900       | 1387.15   | 15°   | 390               | 650            | 390                | 11.83                          | 29.37                          | NO        |
| N1-2a           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2b           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2c           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2d           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2e           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2f           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2g           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N1-2h           | RA1       | 26.5mm   | 8800        | 1383.98   | 10°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |
| N2-1a           | RA2       | 32mm     | 13000       | 1386.93   | 15°   | 440               | 730            | 440                | 13.28                          | 35.42                          | YES       |
| N2-1b           | RA2       | 32mm     | 13000       | 1386.93   | 15°   | 440               | 730            | 440                | 13.28                          | 35.42                          | YES       |
| N2-1c           | RA2       | 32mm     | 13000       | 1386.93   | 15°   | 440               | 730            | 440                | 13.28                          | 35.42                          | YES       |
| N2-2a           | RA1       | 26.5mm   | 8800        | 1384.98   | 10°   | 230               | 380            | 230                | 10.08                          | 19.83                          | YES       |
| N2-2b           | RA1       | 26.5mm   | 8200        | 1384.98   | 10°   | 230               | 380            | 230                | 10.08                          | 18.82                          | NO        |
| N2-2c           | RA1       | 26.5mm   | 8800        | 1384.98   | 10°   | 230               | 380            | 230                | 10.08                          | 19.83                          | NO        |
| N2-3a           | RA2       | 32mm     | 12600       | 1382.18   | 10°   | 420               | 700            | 420                | 12.74                          | 33.12                          | NO        |
| N2-3b           | RA2       | 32mm     | 12600       | 1382.18   | 10°   | 420               | 700            | 420                | 12.74                          | 33.12                          | NO        |
| N2-3c           | RA2       | 32mm     | 12600       | 1382.18   | 10°   | 420               | 700            | 420                | 12.74                          | 33.12                          | NO        |
| S3              | RA1       | 26.5mm   | 6000        | 1389.66   | 30°   | 140               | 220            | 140                | 5.84                           | 8.76                           | YES       |
| S5              | RA1       | 26.5mm   | 6400        | 1389.79   | 30°   | 150               | 250            | 150                | 6.63                           | 10.39                          | YES       |
| S7              | RA1       | 26.5mm   | 7400        | 1390.07   | 30°   | 200               | 320            | 200                | 8.49                           | 14.72                          | YES       |
| S9              | RA1       | 26.5mm   | 8100        | 1390.25   | 30°   | 230               | 370            | 230                | 9.82                           | 18.16                          | YES       |
| S11             | RA1       | 26.5mm   | 8900        | 1390.40   | 30°   | 260               | 430            | 260                | 11.41                          | 22.63                          | YES       |
| S13             | RA1       | 26.5mm   | 9200        | 1390.59   | 30°   | 270               | 450            | 270                | 11.94                          | 24.28                          | YES       |
| S15             | RA1       | 26.5mm   | 8800        | 1390.91   | 30°   | 260               | 420            | 260                | 11.14                          | 21.92                          | YES       |

NOTE:  
ALL RETENTION PILES HAVE BEEN COMPLETED (RP1/RP2/RP3/RP4/RP5/RP6/RP7)  
NO INTERNAL RETENTION WALLS (RW1s) HAVE BEEN CONSTRUCTED

NSW

Department of Planning and Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No DA 22/4825

Granted on the 1 August 2022

Signed M Brown

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