ROC ENGINEERING DESIGN

# PERISHER VIEW LODGE

## PERISHER VALLEY, NSW 2624

### DRAWING LIST

| | |
|---|---|
| C00 | COVER SHEET AND DRAWING LIST |
| C01 | CIVIL SPECIFICATION |
| C02 | DRIVEWAY PLAN |
| C03 | DRIVEWAY LONGITUDINAL SECTIONS |
| C04 | DRIVEWAY CROSS SECTIONS |
| C05 | DRIVEWAY DETAILS |

NSW GOVERNMENT
Department of Planning
and Environment

*Issued under the Environmental Planning and Assessment Act 1979*

Approved Application No DA 21/11288
Granted on the 23 June 2023
Signed M Brown
Sheet No 33 of 44

| REV | DESCRIPTION | DESIGN | DRAWN | APP'D | DATE |
|---|---|---|---|---|---|
| 1 | FOR APPROVAL | CW | RP | TMC | 21.03.2022 |

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**TRISTRIUM MCNAMARA**
**B.ENG (Hons 1), CPEng, MIEAust**

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PROJECT
**PERISHER VIEW LODGE**
**PERISHER VALLEY**
**NSW 2624**

DRAWING TITLE
**COVER SHEET AND**
**DRAWING LIST**

SCALE (A1)

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| **20182** | **AHD** | **C00** | **1** |

## GENERAL

1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS AND COUNCIL'S SPECIFICATIONS.
2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND LANDSCAPE.
2. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS. CONFIRM ALL DIMENSIONS FROM NOTED DIMENSIONS ON THE ARCHITECTURAL DRAWINGS.
3. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE TO THE PRINCIPLE CERTIFYING AUTHORITY AND ENSURE ALL WORKS ARE INSPECTED TO ENABLE COMPLIANCE CERTIFICATES TO BE ISSUED.
4. RESTORE ALL PAVED, COVERED, GRASSED AND LANDSCAPED AREAS TO THEIR ORIGINAL CONDITION ON COMPLETION OF WORKS
5. ALL SURVEY SETOUT TO BE BY A REGISTERED SURVEYOR.
6. VERIFY ALL DIMENSIONS AND EXISTING LEVELS AND CONDITIONS ON SITE PRIOR TO COMMENCING WORK.

## SERVICES

1. THE LOCATION OF EXISTING SERVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND MAY BE INCOMPLETE. THE LOCATIONS HAVE BEEN OBTAINED FROM DATA SUPPLIED BY THE RELEVANT AUTHORITIES.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN CLEARANCES FROM THE RELEVANT SERVICE AUTHORITIES PRIOR TO WORKS COMMENCING.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO WORKS COMMENCING.
4. PROTECT AND MAINTAIN ALL EXISTING SERVICES TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS.
6. NO MECHANICAL EXCAVATIONS TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE CAUSED TO EXISTING SERVICES AS A RESULT OF THE CONTRACTORS WORK.

## SEDIMENT AND EROSION CONTROL

1. THE SEDIMENT AND EROSION CONTROL PLAN PRESENTS CONCEPTS ONLY. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT & MANAGEMENT OF A DETAILED SCHEME MEETING COUNCILS DESIGN, OTHER REGULATORY AUTHORITY REQUIREMENTS AND MAKE GOOD PAYMENT OF ALL FEES.
2. THE CONTRACTOR SHALL INSTIGATE ALL SEDIMENT AND EROSION CONTROL MEASURES IN ACCORDANCE WITH STATUTORY REQUIREMENTS AND IN PARTICULAR THE 'BLUE BOOK' (MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION), PRODUCED BY THE DEPARTMENT OF HOUSING AND COUNCILS POLICIES. THESE MEASURES ARE TO BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
3. THE CONTRACTOR SHALL INFORM ALL SUB CONTRACTORS OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
4. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE SHALL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE;
    - 4.1. CONSTRUCT TEMPORARY STABILISED SITE ACCESS INCLUSIVE OF SHAKE DOWN / WASH PAD.
    - 4.2. INSTALL ALL TEMPORARY SEDIMENT FENCES AND BARRIER FENCES. WHERE FENCES ADJACENT EACH OTHER, THE SEDIMENT FENCE CAN BE INCORPORATED INTO THE BARRIER FENCE.
    - 4.3. INSTALL SEDIMENT CONTROL MEASURES AS OUTLINED ON THE APPROVED PLANS.
5. UNDERTAKE SITE DEVELOPMENT WORKS SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF MINIMUM WORKABLE SIZE.
6. AT ALL TIMES AND IN PARTICULAR DURING WINDY AND DRY WEATHER, LARGE UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL ENSURING CONFORMITY TO REGULATORY AUTHORITY REQUIREMENTS.
7. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) SHALL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
8. WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN STABILISED AND/OR ANY LIKELY SEDIMENT BEEN FILTERED OUT.
9. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED / REHABILITATED.
10. ALLOW FOR GRASS STABILISATION OF EXPOSED AREAS, OPEN CHANNELS AND ROCK BATTERS DURING ALL PHASES OF CONSTRUCTION.
11. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED TO ENSURE THAT THEY OPERATE EFFECTIVELY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN REGULARLY AND AS REQUIRED, PARTICULARLY FOLLOWING RAIN EVENTS.
12. RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER SHALL BE DISPOSED OF IN ACCORDANCE WITH REGULATORY AUTHORITY REQUIREMENTS. CONTRACTOR TO PAY ALL FEES AND PROVIDE EVIDENCE OF SAFE DISPOSAL.
13. IF A TEMPORARY SEDIMENT BASIN IS REQUIRED, ENSURE SAFE BATTER SLOPES IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. MAINTAIN ADEQUATE STORAGE VOLUME IN ACCORDANCE WITH PLANS. TEMPORARY PUMP 'CLEAN FLOCCULATED' WATER TO COUNCILS STORMWATER SYSTEM . ENSURE WHOLE SITE RUN-OFF IS DIRECTED TO TEMPORARY SEDIMENT BASIN.
14. DISTURBED AREAS ARE TO BE TOPSOILED AND REVEGETATED WITHIN 10 WORKING DAYS OF COMPLETION OF WORK.

## TOP SOILING

1. PRIOR TO SPREADING, STOCKPILED SITE SUBGRADE MATERIAL AND/OR IMPORTED TOPSOIL SHALL BE INSPECTED BY THE SUPERINTENDENT. NO MATERIAL SHALL BE IMPORTED UNLESS APPROVED BY THE SUPERINTENDENT.
2. UNLESS NOTED OTHERWISE, ALLOW FOR CLEARING AND REMOVING STONES EXCEEDING 25mm AND ANY RUBBISH BROUGHT TO THE SURFACE DURING THE CULTIVATION OF THE SUBGRADE.
3. AFTER PREPARATION OF THE SUBGRADE SURFACE, PLACE TOPSOIL AS APPROPRIATE FOR THE SPECIFIED LANDSCAPE TREATMENTS AND AS INDICATED BY THE DRAWINGS.
4. THE FINISHED SURFACE OF THE TOPSOIL SHALL BE SMOOTH, FREE OF LUMPS OF SOIL AND LEFT READY FOR CULTIVATING AND PLANTING.
5. TOPSOIL SHALL BE PLACED AND LIGHTLY COMPACTED TO A THICKNESS AS SHOWN BY THE DRAWINGS OR A MINIMUM OF 150mm.
6. WHERE TOPSOILING IS CARRIED OUT ADJACENT TO KERBS, FOOTPATHS, MOWING STRIPS OR OTHER HARD PAVED SURFACES, THE TOPSOIL SHALL BE FINISHED FLUSH WITH THOSE SURFACES UNLESS OTHERWISE SPECIFIED.

## EARTHWORKS

1. EARTHWORKS TO BE IN ACCORDANCE WITH AS3798 AND REFERENCED CURRENT AUSTRALIAN STANDARDS.
2. BEARING CAPACITY OF FOUNDING SOIL TO BE CONFIRMED BY A GEOTECHNICAL ENGINEER.
3. FOUNDATIONS FOR RETAINING WALLS ARE TO BE PROOF ROLLED AND INSPECTED BY A GEOTECHNICAL ENGINEER.
4. RETAINING WALLS ARE TO BE FOUNDED ON STIFF TO HARD (OR DENSE TO VERY DENSE) NATURAL SOILS OR ENGINEERED FILL OR AS APPROVED BY THE PRINCIPAL.
5. UNSUITABLE MATERIALS (E.G. LOOSE ROCK OR SOFT SOIL, ROOTS OR OTHER ORGANIC MATERIALS) MUST BE REMOVED AND REPLACED BY APPROVED ENGINEERED FILL OR AS APPROVED BY THE PRINCIPAL.
6. FILL ANY OVER-EXCAVATION IN ROCK WITH CONCRETE OF THE SAME QUALITY AS THAT OF THE OVERLYING CONCRETE STRUCTURE
7. FOR FOUNDATIONS BEARING ON EARTH, BACKFILL ANY OVER-EXCAVATION UNDER THE FOUNDATION MEMBER WITH SELECT FILL OR CONCRETE OF THE SAME QUALITY AS THE OVERLYING CONCRETE STRUCTURE.
8. BACKFILL MATERIALS SHOULD BE FREE FROM ANY ORGANIC, PLASTIC, METAL, RUBBER OR ANY OTHER SYNTHETIC MATERIAL, INORGANIC CONTAMINANTS, DANGEROUS OR TOXIC MATERIAL OR MATERIAL SUSCEPTIBLE TO COMBUSTION. MATERIALS SHOULD CONSIST OF NATURALLY OCCURRING OR PROCESSED MATERIALS THAT ARE CAPABLE OF BEING COMPACTED IN ACCORDANCE WITH AS3798.
9. WHERE FILL MATERIALS ARE IMPORTED, PROVIDE THE PRINCIPAL WITH DETAILS OF THE PROPOSED SOURCE LOCATIONS, QUANTITIES AND TYPES OF MATERIAL FOR APPROVAL PRIOR TO DELIVERY.
10. BACKFILL TO BE CLASS II IN ACCORDANCE WITH AS4678.
11. FILL TO BE COMPACTED TO ACHIEVE A COMPACTION (STANDARD COMPACTIVE EFFORT) WHEN TESTED IN ACCORDANCE WITH AS1289.5.1.1 AS SHOWN BELOW:

| FILL TYPE | LOCATION | MAXIMUM LAYER THICKNESS | RELATIVE COMAPCTION |
|---|---|---|---|
| SELECT FILL | BELOW FOUNDATIONS ON EARTH WHERE OVER EXCAVATION HAS OCCURED | 150mm | 98% |
| SELECT FILL | BEHIND RETAINING WALL AS SHOWN ON DRAWINGS | 200mm | 95% |
| EARTH FILL | ALL OTHER LOCATIONS | 200mm | 95% |

12. SELECT FILL SHALL BE FREE OF DEBRIS AND CONSIST OF EITHER OF THE FOLLOWING INORGANIC SOIL TYPES ACCORDING TO THEIR USCS DESIGNATIONS (GP, GW, SW, SP, SM).
13. MATERIALS DERIVED FROM ARGILLACEOUS ROCK SUCH AS SHALES AND CLAYSTONES OR OTHER FRIABLE MATERIALS WHICH ARE SUSCEPTIBLE TO BREAKDOWN NOT TO BE USED AS SELECT BACKFILL.
14. SELECT FILL MUST CONFORM TO THE REQUIREMENTS SHOWN BELOW, AND MUST BE CAPABLE OF ACHIEVING THE RELATIVE COMPACTION SPECIFIED.

| PROPERTY | REQUIREMENT |
|---|---|
| MAXIMUM PARTICLE DIMENSION | 53mm |
| PERCENTAGE PASSING:<br>2.36mm AS SIEVE<br>0.075mm AS SIEVE | <br>< 50%<br>< 15% |
| PLASTICITY INDEX | ≤ 15% |

15. EXISTING FILL IF REUSED MUST CONFORM TO THE REQUIREMENTS SHOWN BELOW, AND MUST BE CAPABLE OF ACHIEVING THE RELATIVE COMPACTION SPECIFIED:

| PROPERTY | REQUIREMENT |
|---|---|
| MAXIMUM PARTICLE DIMENSION | 200mm |
| PERCENTAGE PASSING:<br>37.5mm AS SIEVE | <br>> 60% |

## PAVEMENT

1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
2. PAVEMENT MATERIAL SHALL CONSIST OF APPROVED OR RIPPED SANDSTONE, NATURAL GRAVEL OR FINE CRUSH ROCK AS PER COUNCIL SPECIFICATION.
3. PAVEMENT MATERIALS SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150mm AND NOT LESS THEN 75mm COMPACTED THICKNESS. PAVEMENT MATERIALS SHALL BE SIZED AND OF A STANDARD OUTLINED IN AS1141.
4. CRUSHED OR RIPPED SANDSTONE SHALL BE MINUS 75mm NOMINAL SIZE DERIVED FROM SOUND, CLEAN SANDSTONE FREE FROM OVERBURDEN, CLAY SEAMS, SHALE AND OTHER DELETERIOUS MATERIAL.
5. PAVEMENT MATERIALS SHALL BE COMPACTED BY SUITABLE MEANS TO SATISFY THE FOLLOWING MINIMUM SPECIFICATIONS (AS PER AS1289.52)

| DESCRIPTION | MODIFIED DENSITY RATIO |
|---|---|
| SUB-BASE | 98% MDD |
| BASE COURSE | 98% MDD |
| ASPHALTIC CONCRETE | 97% MDD |

AND SUBJECT TO COUNCIL'S CONSTRUCTION SPECIFICATION.

6. TESTING FOR EACH LAYER SHALL BE UNDERTAKEN BY A N.A.T.A. REGISTERED LABORATORY IN ACCORDANCE WITH AS1289, AT NOT MORE THAN 50m INTERVALS AND A MINIMUM OF TWO PER LAYER. FURTHER FREQUENCY OF TESTING SHALL BE NO LESS THAN THAT REQUIRED BY AS3978-1996.

## CONCRETE

1. CONCRETE SPECIFICATION:

| | |
|---|---|
| SLUMP | 80 mm |
| MAX. AGGREGATE | 20 mm |
| CEMENT | TYPE GP PORTLAND |

2. CONCRETE STRENGTH AND CLEAR COVER (INCLUDING FITMENTS) TO BE AS FOLLOWS:

| ELEMENT | F'C (MPa) | COVER EXTERNAL (mm) |
|---|---|---|
| SLABS ON GROUND | 40 | 50 |

3. ALL CONCRETE INCLUDING FOOTINGS AND SLABS TO BE COMPACTED WITH MECHANICAL VIBRATORS.
4. IF CONCRETE IS POURED IN HOT OR WINDY CONDITIONS IT IS RECOMMENDED ALIPHATIC ALCOHOL BE APPLIED IMMEDIATELY FOLLOWING SCREEDING.
5. SLABS TO BE CURED IN ACCORDANCE WITH AS3600. APPROVED SPRAYED OR CURING COMPOUNDS COMPLYING WITH AS3799 MAY BE USED WHERE COMPATIBLE WITH FLOOR FINISHES. CONTRACTOR TO ALLOW FOR REMOVAL OF CURING COMPOUND IF NECESSARY.
6. POUR BEAMS AND SLABS MONOLITHICALLY.
7. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
8. CAST-IN CONDUITS SHALL HAVE A MINIMUM 25mm CONCRETE COVER AND SHALL BE PLACED BETWEEN, NOT OUTSIDE, THE LAYERS OF REINFORCEMENT.
9. WHERE CONCRETE BEARS ON BRICKWORK, PROVIDE TWO LAYERS OF PGI BETWEEN WALLS AND SUSPENDED SLAB (ALSO APPLICABLE TO WALLS ON SUSPENDED SLAB).
10. OBTAIN WRITTEN APPROVAL FROM ENGINEER PRIOR TO POURING CONCRETE.

## REINFORCEMENT

1. R - DENOTES GRADE 250 PLAIN BAR TO AS4671 ($F'_{SY}$ = 250 MPa)
   L- DENOTES GRADE 500 DEFORMED BARS AS MESH TO AS4671 ($F'_{SY}$ = 500 MPa)
   N - DENOTES GRADE 500 DEFORMED BARS TO AS4671 ($F'_{SY}$ = 500 MPa)
2. ALL HOOKS, LAPS, COGS AND BENDS TO BE IN ACCORDANCE WITH AS3600.
3. SPLICE REINFORCEMENT IN ACCORDANCE WITH AS3600. MIN. LAPS FOR BARS: 40 DIAMETERS.
4. MESH LAPS ARE TO BE SPACING OF TRANSVERSE WIRES +25mm, MIN. LAPS. FOR FABRIC: 350mm.
5. ALL REINFORCEMENT SHALL BE ADEQUATELY AND ACCURATELY TIED AND SUPPORTED ON PLASTIC TIPPED CHAIRS.
6. ALL REINFORCEMENT TO SLAB ON GROUND SHALL BE SUPPORTED BY PLASTIC BAR CHAIRS AT 600 CTS. MAX. TO MAINTAIN TOP COVER.

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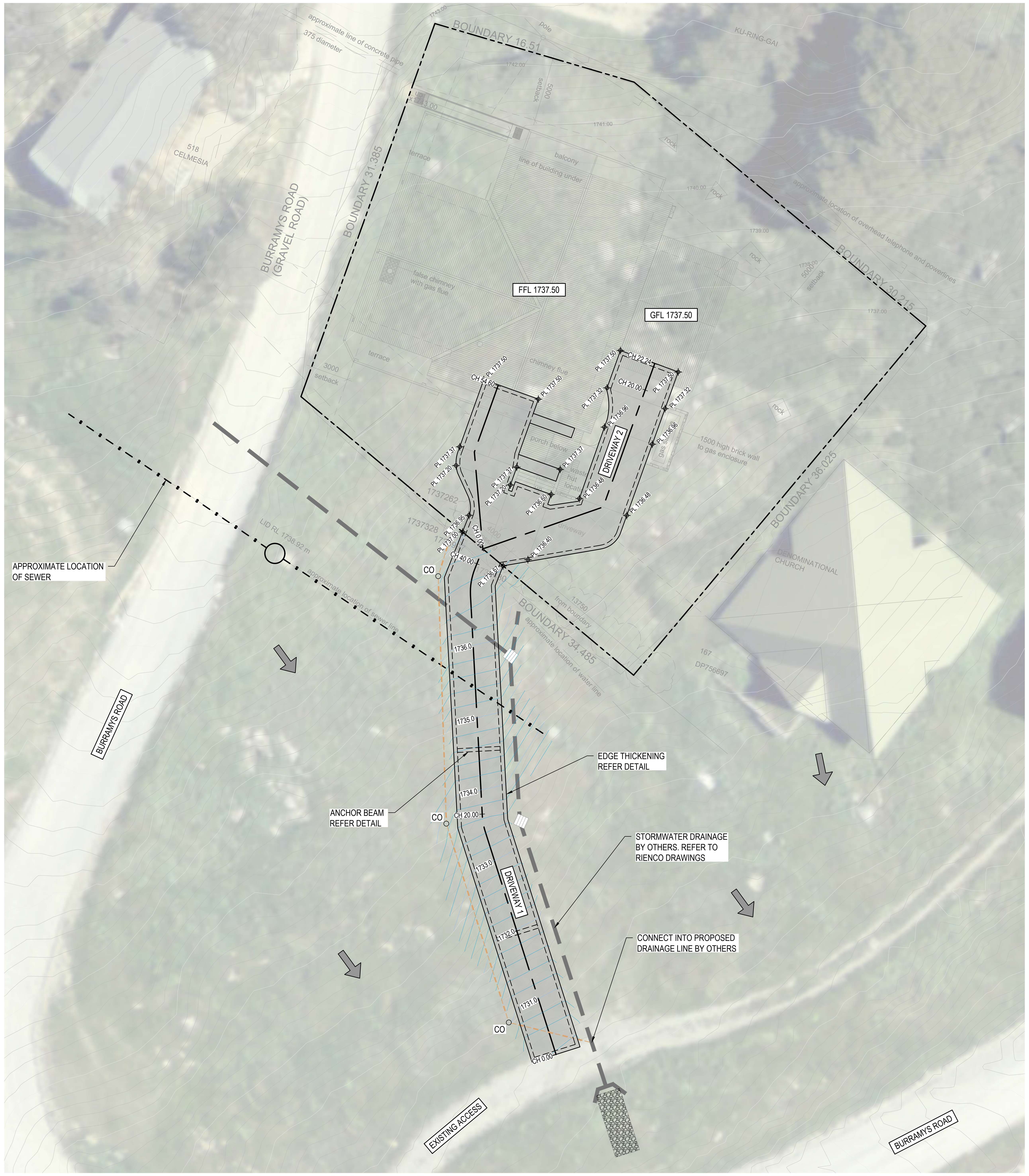
PROJECT
**PERISHER VIEW LODGE**
**PERISHER VALLEY**
**NSW 2624**

DRAWING TITLE
**CIVIL SPECIFICATION**

SCALE (A1)

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| 20182 | AHD | C01 | 1 |



## DRIVEWAY PLAN

SCALE: 1:200

## LEGEND

| | |
|---|---|
| — - - — | SITE BOUNDARY |
| — ▬ — ▬ | SUB-SOIL DRAINAGE LINE |
| ○ CO | SUB-SOIL CLEAR OUT |
| — • — • — | EXISTING SEWER |
| ➡ | OVERLAND FLOW PATH |
| ⌖ PL 1737.50 | SPOT LEVEL |
| ▬ ▬ | PROPOSED DRAINAGE BY OTHERS |

## NOTES

- DESIGN HAS BEEN PREPARED USING SURVEY DATA WITHIN LOT. EXTERNAL TO LOT LIDAR ELEVATION HAS BEEN RELIED UPON

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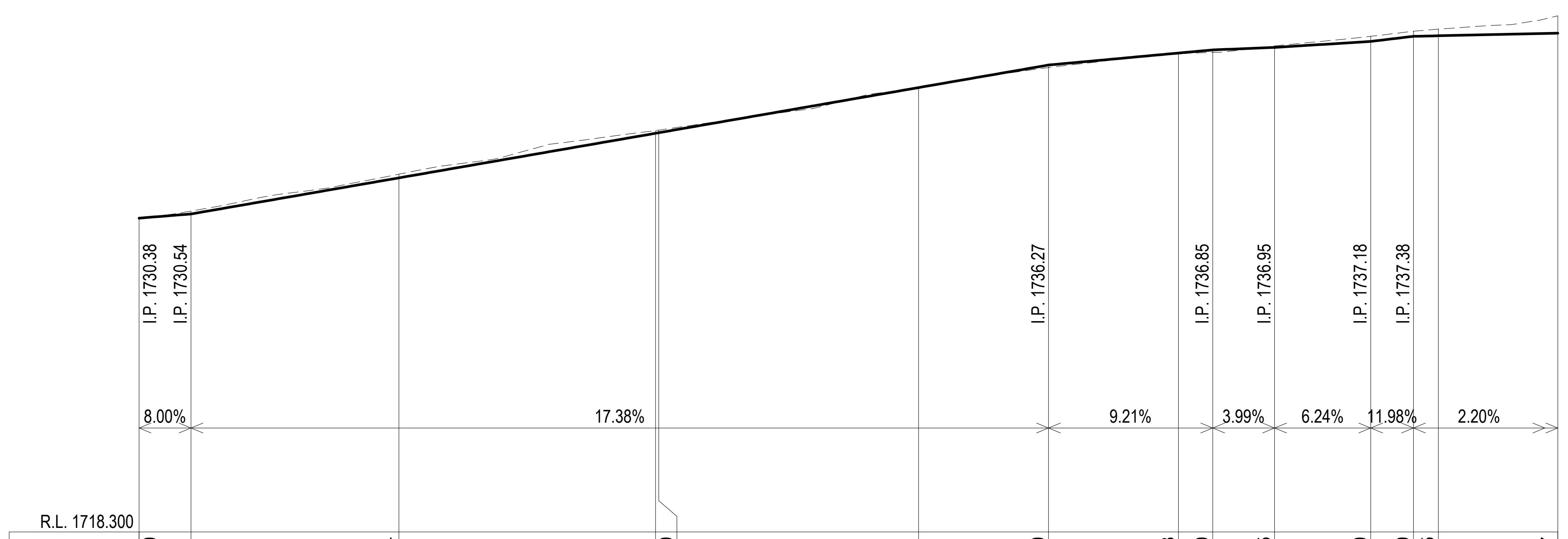
DRAWING TITLE
**DRIVEWAY PLAN**

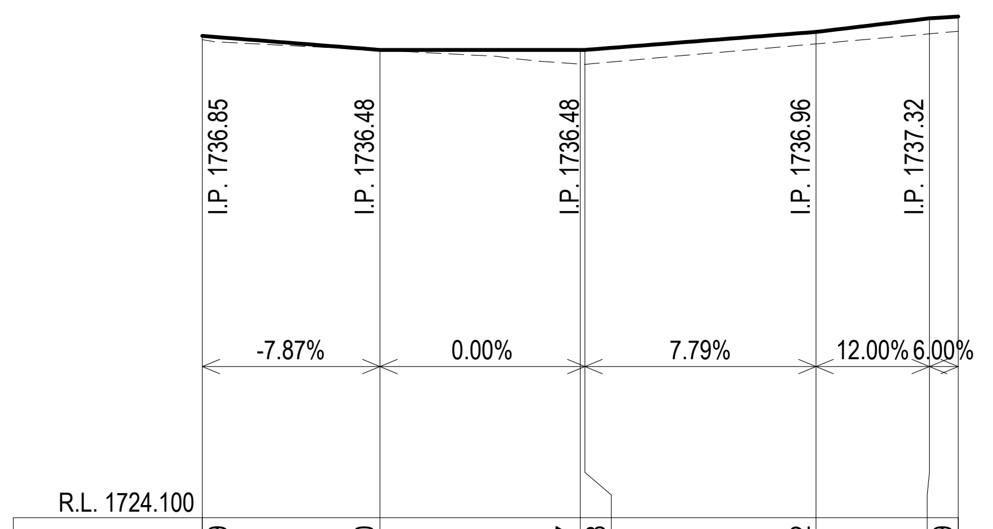
SCALE (A1)
0 2 4 6 8 12 16 20m
1 : 200

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| 20182 | AHD | C02 | 1 |



| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CUT (-)<br>FILL (+) | +0.00 | -0.11 | -0.14 | -0.11 | -0.09 | +0.01 | +0.10 | +0.03 | +0.09 | -0.05 | -0.20 | -0.19 | -0.25 | -0.67 |
| DESIGN SURFACE | 1730.38 | 1730.54 | 1731.93 | 1733.64 | 1733.67 | 1735.40 | 1736.27 | 1736.73 | 1736.85 | 1736.95 | 1737.18 | 1737.38 | 1737.40 | 1737.50 |
| EXISTING SURFACE | 1730.38 | 1730.65 | 1732.07 | 1733.75 | 1733.76 | 1735.39 | 1736.17 | 1736.70 | 1736.76 | 1737.00 | 1737.38 | 1737.57 | 1737.65 | 1738.17 |
| CHAINAGE | 0.00 | 2.00 | 10.00 | 19.88 | 20.00 | 30.00 | 35.00 | 40.00 | 41.32 | 43.70 | 47.40 | 49.04 | 50.00 | 54.60 |

LONGITUDINAL SECTION
DRIVEWAY 1
SCALES: H 1:200, V 1:200



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CUT (-)<br>FILL (+) | +0.09 | +0.00 | +0.37 | +0.38 | +0.32 | +0.41 | +0.39 |
| DESIGN SURFACE | 1736.85 | 1736.48 | 1736.48 | 1736.48 | 1736.96 | 1737.32 | 1737.37 |
| EXISTING SURFACE | 1736.76 | 1736.48 | 1736.11 | 1736.10 | 1736.64 | 1736.91 | 1736.98 |
| CHAINAGE | 0.00 | 4.70 | 10.00 | 10.12 | 16.24 | 19.24 | 20.00 |

LONGITUDINAL SECTION
DRIVEWAY 2
SCALES: H 1:200, V 1:200

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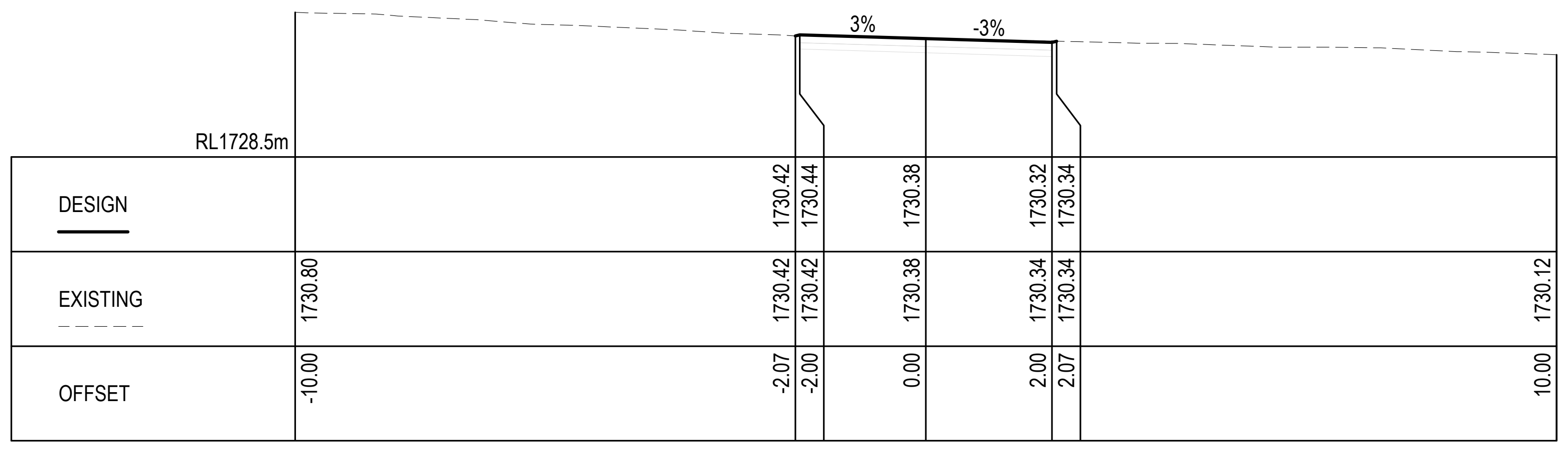
DRAWING TITLE
**DRIVEWAY**
**LONGITUDINAL SECTIONS**

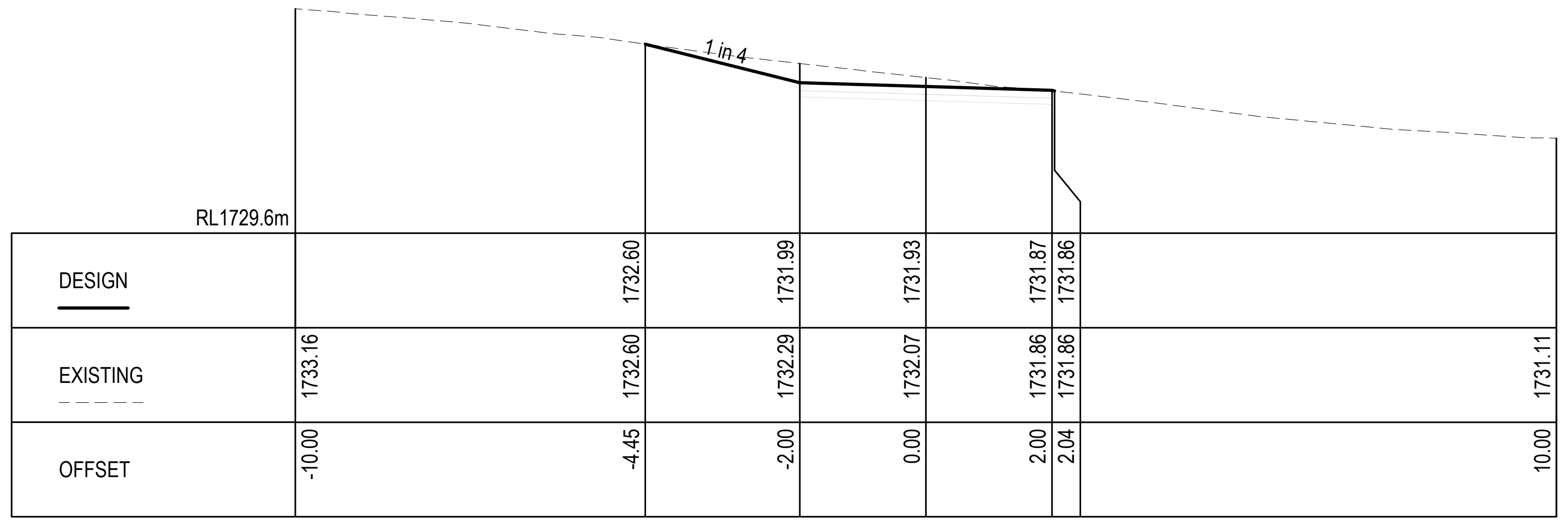
SCALE (A1)

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| 20182 | AHD | C03 | 1 |



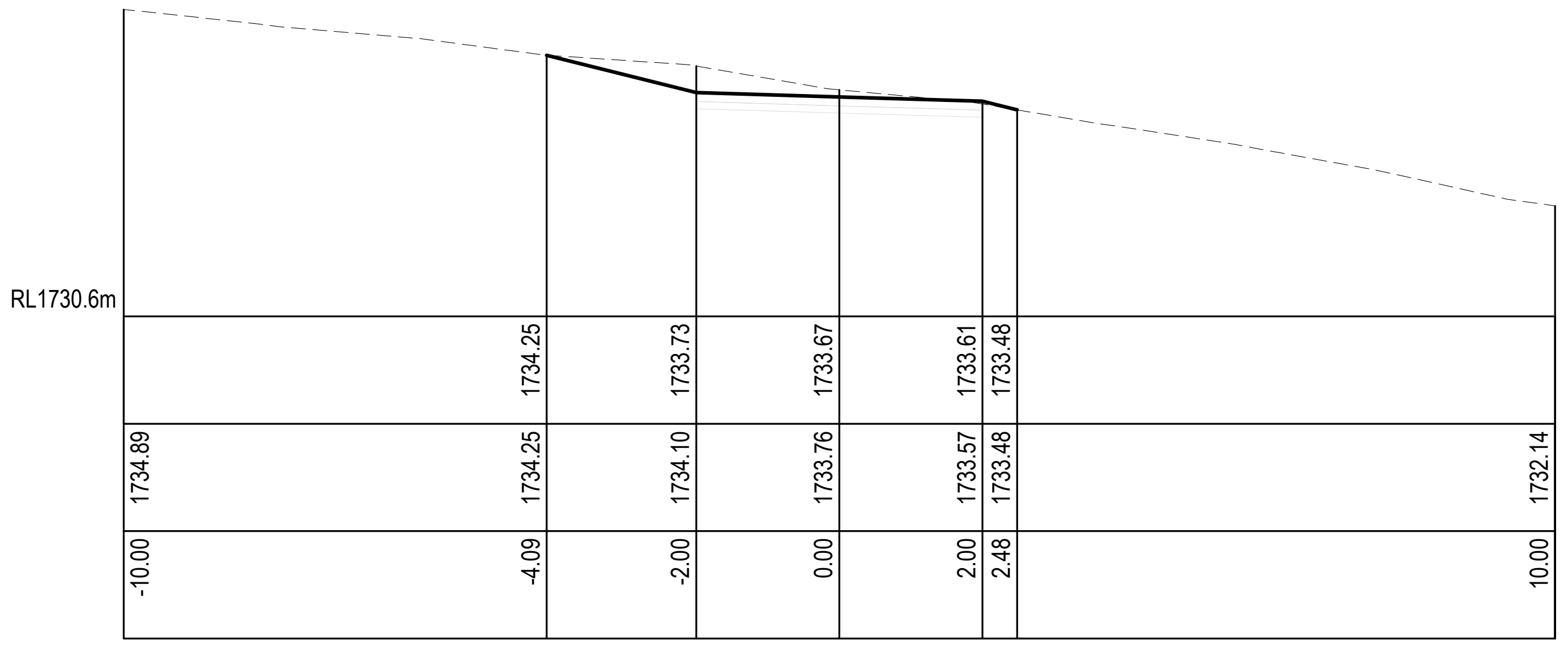
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGN | | 1730.42 | 1730.44 | 1730.38 | 1730.32 | 1730.34 | |
| EXISTING | 1730.80 | 1730.42 | 1730.42 | 1730.38 | 1730.34 | 1730.34 | 1730.12 |
| OFFSET | -10.00 | -2.07 | -2.00 | 0.00 | 2.00 | 2.07 | 10.00 |

DRIVEWAY 1
CH. 0.00
SCALES: H 1:100, V 1:100



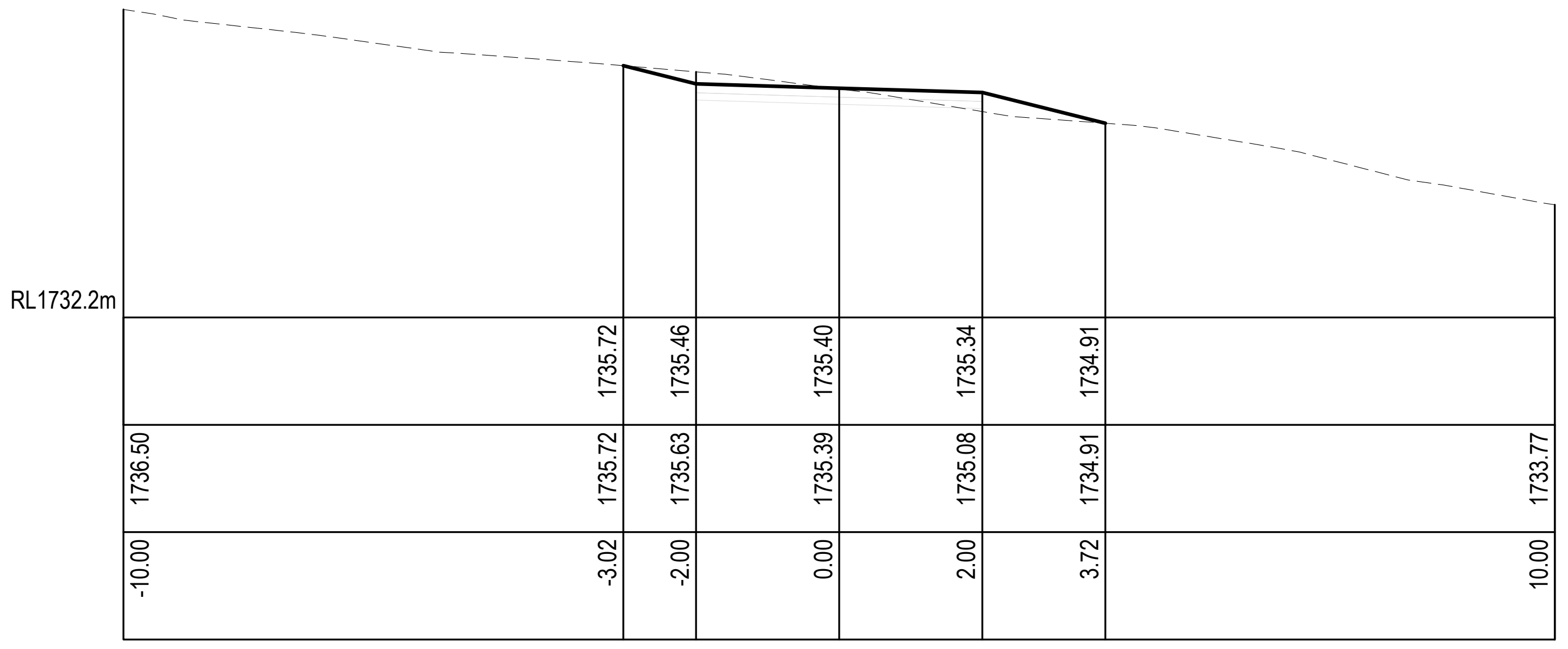
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| DESIGN | | 1732.60 | 1731.99 | 1731.93 | 1731.87 | 1731.86 | |
| EXISTING | 1733.16 | 1732.60 | 1732.29 | 1732.07 | 1731.86 | 1731.86 | 1731.11 |
| OFFSET | -10.00 | -4.45 | -2.00 | 0.00 | 2.00 | 2.04 | 10.00 |

DRIVEWAY 1
CH. 10.00
SCALES: H 1:100, V 1:100



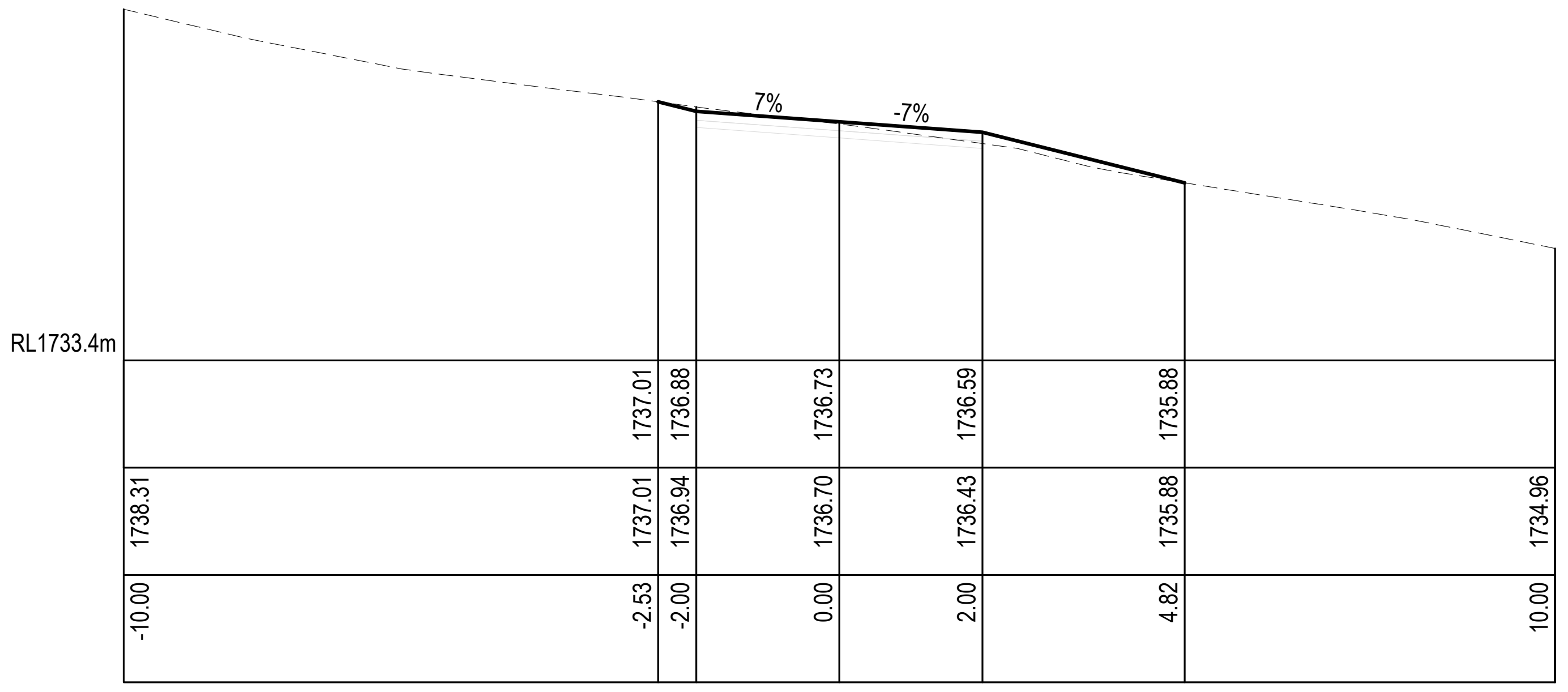
| | | | | | | |
|---|---|---|---|---|---|---|
| | 1734.25 | 1733.73 | 1733.67 | 1733.61 | 1733.48 | |
| 1734.89 | 1734.25 | 1734.10 | 1733.76 | 1733.57 | 1733.48 | 1732.14 |
| -10.00 | -4.09 | -2.00 | 0.00 | 2.00 | 2.48 | 10.00 |

DRIVEWAY 1
CH. 20.00
SCALES: H 1:100, V 1:100



| | | | | | | |
|---|---|---|---|---|---|---|
| | 1735.72 | 1735.46 | 1735.40 | 1735.34 | 1734.91 | |
| 1736.50 | 1735.72 | 1735.63 | 1735.39 | 1735.08 | 1734.91 | 1733.77 |
| -10.00 | -3.02 | -2.00 | 0.00 | 2.00 | 3.72 | 10.00 |

DRIVEWAY 1
CH. 30.00
SCALES: H 1:100, V 1:100



| | | | | | | |
|---|---|---|---|---|---|---|
| | 1737.01 | 1736.88 | 1736.73 | 1736.59 | 1735.88 | |
| 1738.31 | 1737.01 | 1736.94 | 1736.70 | 1736.43 | 1735.88 | 1734.96 |
| -10.00 | -2.53 | -2.00 | 0.00 | 2.00 | 4.82 | 10.00 |

DRIVEWAY 1
CH. 40.00
SCALES: H 1:100, V 1:100

Department of Planning
and Environment

*Issued under the Environmental Planning and Assessment Act 1979*

Approved Application No DA 21/11288

Granted on the 23 June 2023

Signed M Brown

Sheet No 37 of 44

| REV | DESCRIPTION | DESIGN | DRAWN | APP'D | DATE |
|---|---|---|---|---|---|
| 1 | FOR APPROVAL | CW | RP | TMC | 21.03.2022 |

THESE DRAWINGS WERE PREPARED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND STRUCTURAL / CIVIL PROVISIONS OF THE BUILDING CODE OF AUSTRALIA.

**TRISTRIUM MCNAMARA**
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CLIENT
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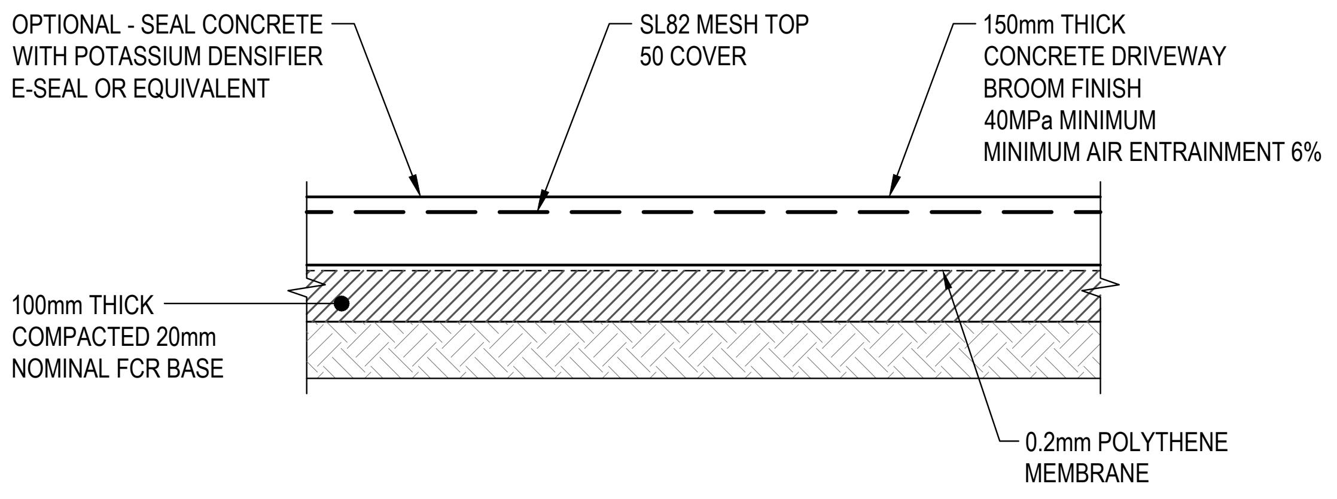
Email info@rocengineering.com.au ABN 70 610 369 910

PROJECT
**PERISHER VIEW LODGE**
**PERISHER VALLEY**
**NSW 2624**

DRAWING TITLE
**DRIVEWAY**
**CROSS SECTIONS**

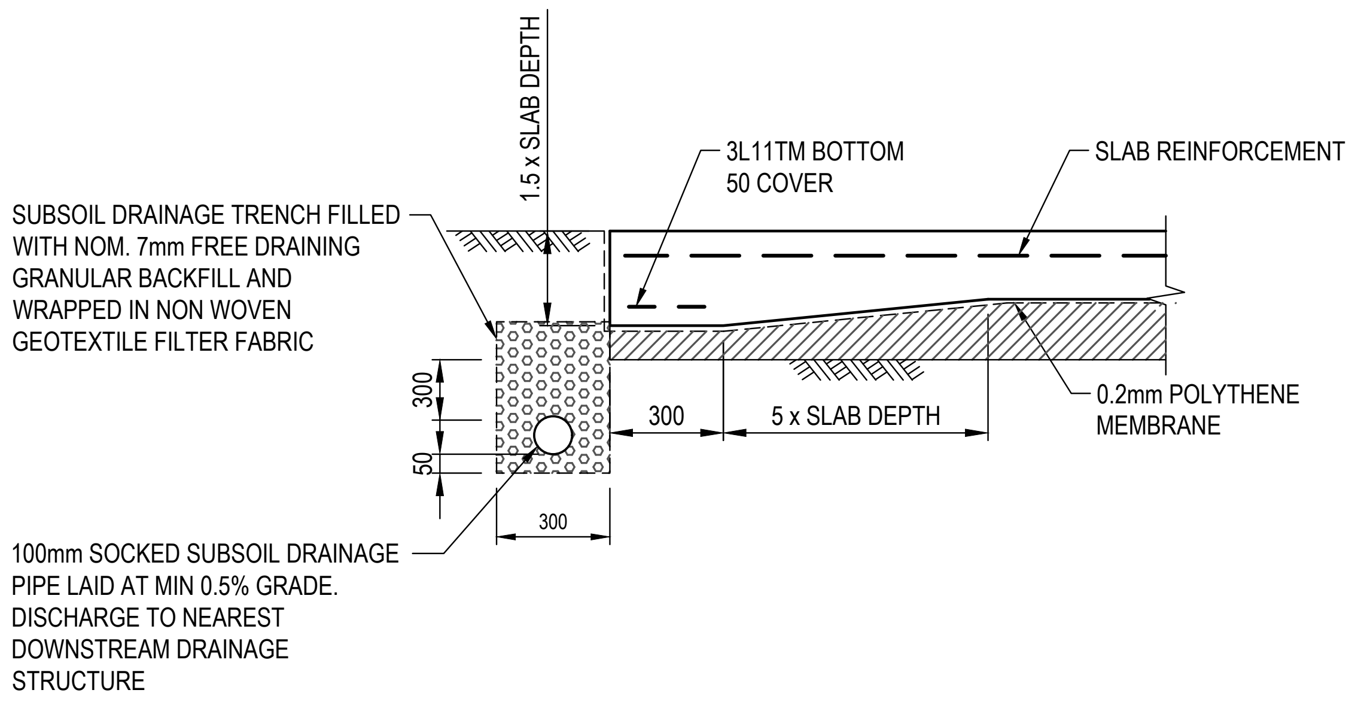
SCALE (A1)

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| 20182 | AHD | C04 | 1 |



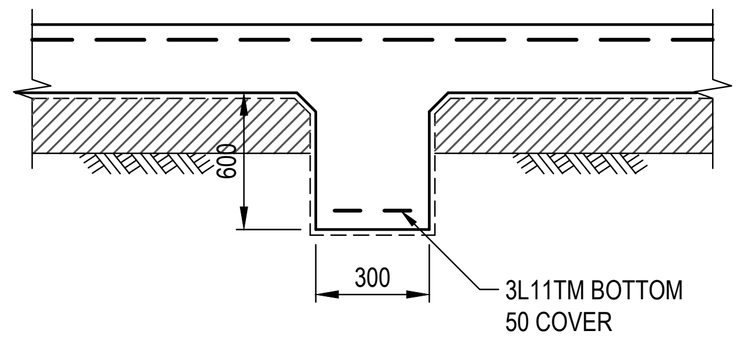
## VEHICLE PAVEMENT DETAIL

ASSUMED CBR VALUE 3%.



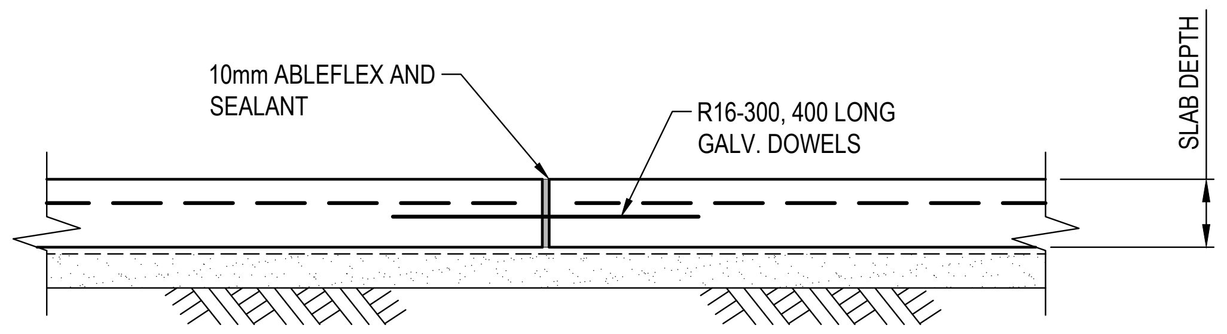
## PAVEMENT EDGE THICKENING

INSTALL SUBSOIL DRAINAGE TRENCH ON HIGH SIDE OF PAVEMENT



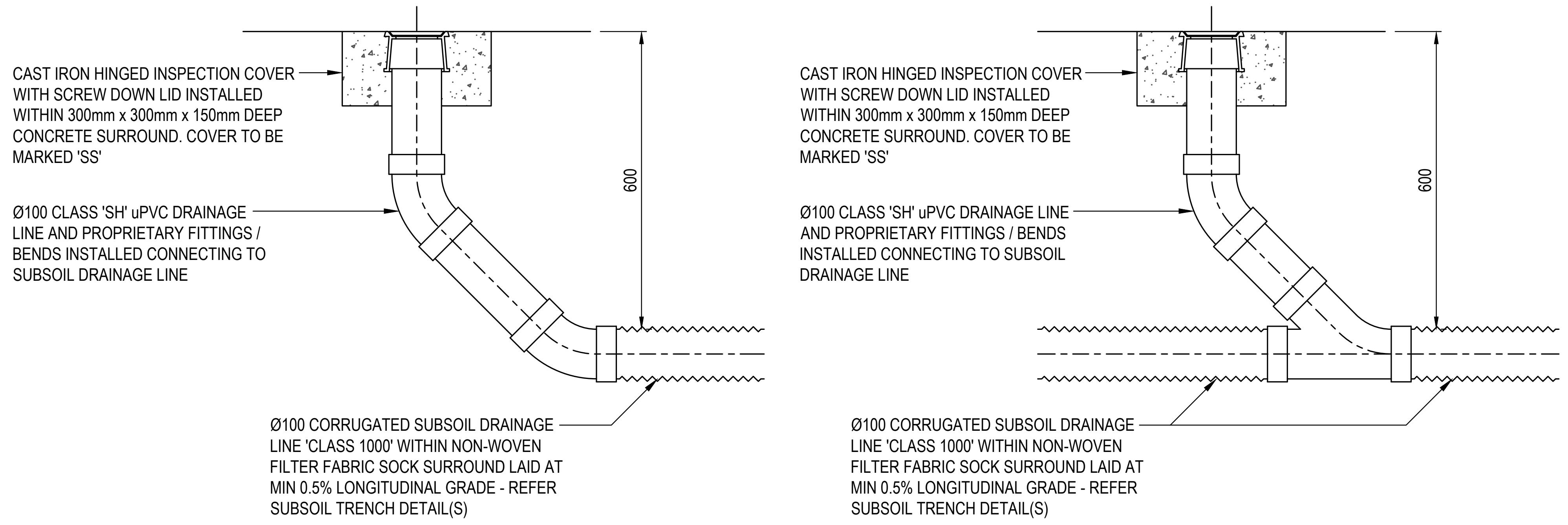
## PAVEMENT ANCHOR BEAM

PROVIDE WHERE GRADES EXCEED 15% AT 20m INTERVALS U.N.O.



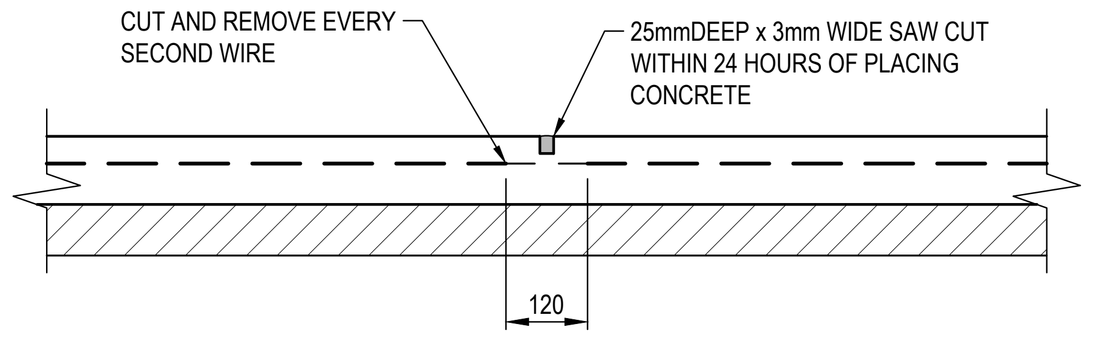
## DOWELED EXPANSION JOINT 'DEJ' DETAIL

PROVIDE AT MAX 15m SPACING



## SUBSOIL DRAINAGE CLEAROUT 'CO'

CLEAROUT TO BE INSTALLED AT UPSTREAM AND INTERMEDIATE POINTS ALONG SUBSOIL DRAINAGE LINES AT MAX 30m CENTRES AND DISCHARGING TO DRAINAGE STRUCTURES AT MAX 60m CENTRES.



## SAWN JOINT 'SJ' DETAIL

PROVIDE AT MAX 5m SPACING

NSW GOVERNMENT
Department of Planning
and Environment

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Sheet No 38 of 44

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DRAWING TITLE
**DRIVEWAY**
**DETAILS**

SCALE (A1)

| JOB NUMBER | DATUM | DRAWING NUMBER | REVISION |
|---|---|---|---|
| 20182 | AHD | C05 | 1 |