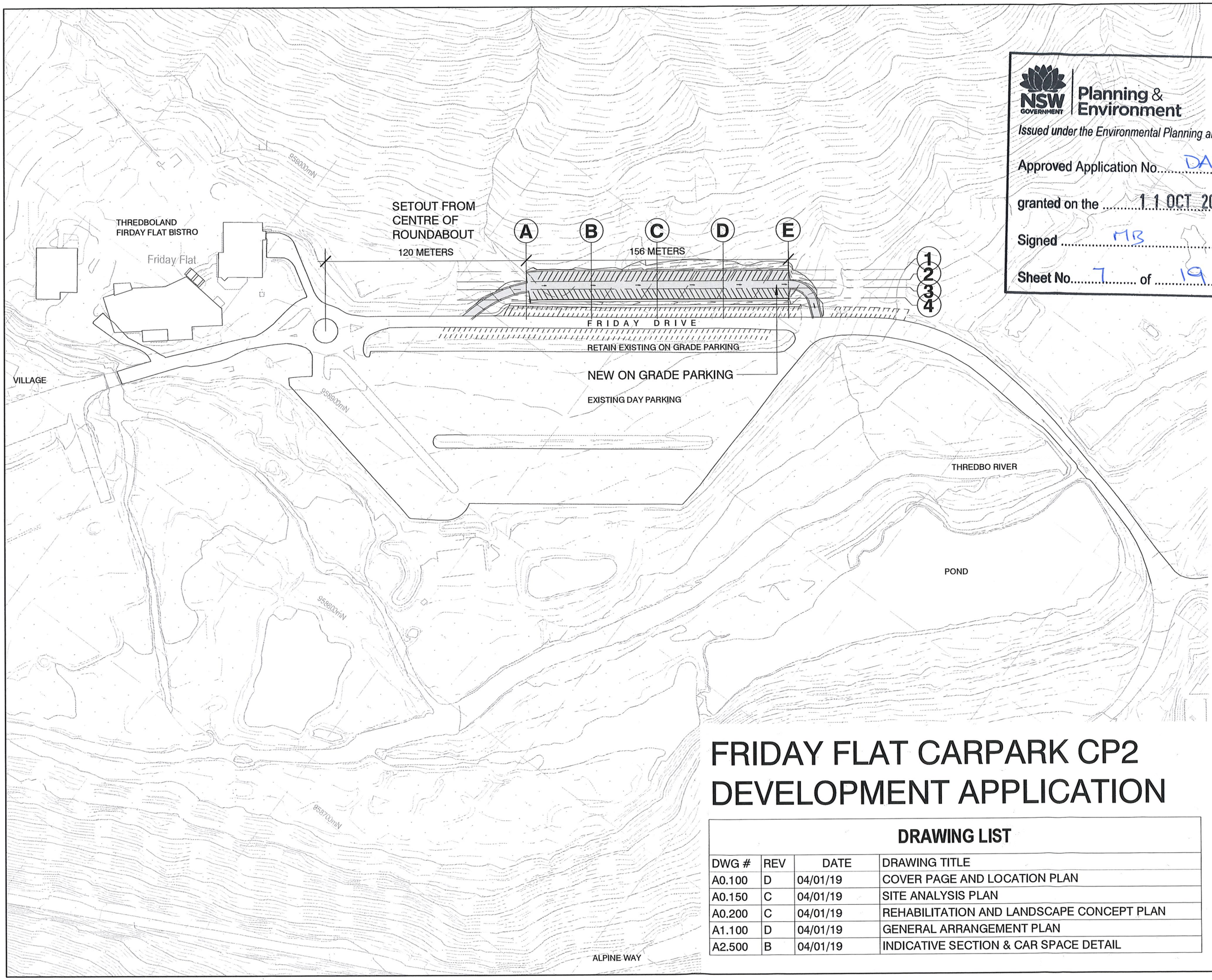

NSW GOVERNMENT Planning & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. DA 9841

granted on the 11 OCT 2019

Signed MB

Sheet No. 7 of 19

FRIDAY FLAT CARPARK CP2
DEVELOPMENT APPLICATION

DRAWING LIST

DWG #	REV	DATE	DRAWING TITLE
A0.100	D	04/01/19	COVER PAGE AND LOCATION PLAN
A0.150	C	04/01/19	SITE ANALYSIS PLAN
A0.200	C	04/01/19	REHABILITATION AND LANDSCAPE CONCEPT PLAN
A1.100	D	04/01/19	GENERAL ARRANGEMENT PLAN
A2.500	B	04/01/19	INDICATIVE SECTION & CAR SPACE DETAIL

This drawing should be read in conjunction with all relevant contracts, specifications and drawings. Dimensions are in millimetres. Levels are metres. Do not scale off drawings. Use figured dimensions only. Check dimensions on Site. Report discrepancies immediately.

NOTES

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ISSUE	DATE	SUBJECT	VALID'N.
D	04/01/19	DA RE-ISSUE	ST
C	18/12/18	DA RE-ISSUE	SM
B	13/12/18	DEVELOPMENT APPLICATION ISSUE	ST
A	23/11/18	INITIAL ISSUE	ST

CLIENT

EVENT Hospitality and Entertainment

DEVELOPMENT APPLICATION

PROJECT

FRIDAY FLAT CARPARK CP2

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Nominated Architects:
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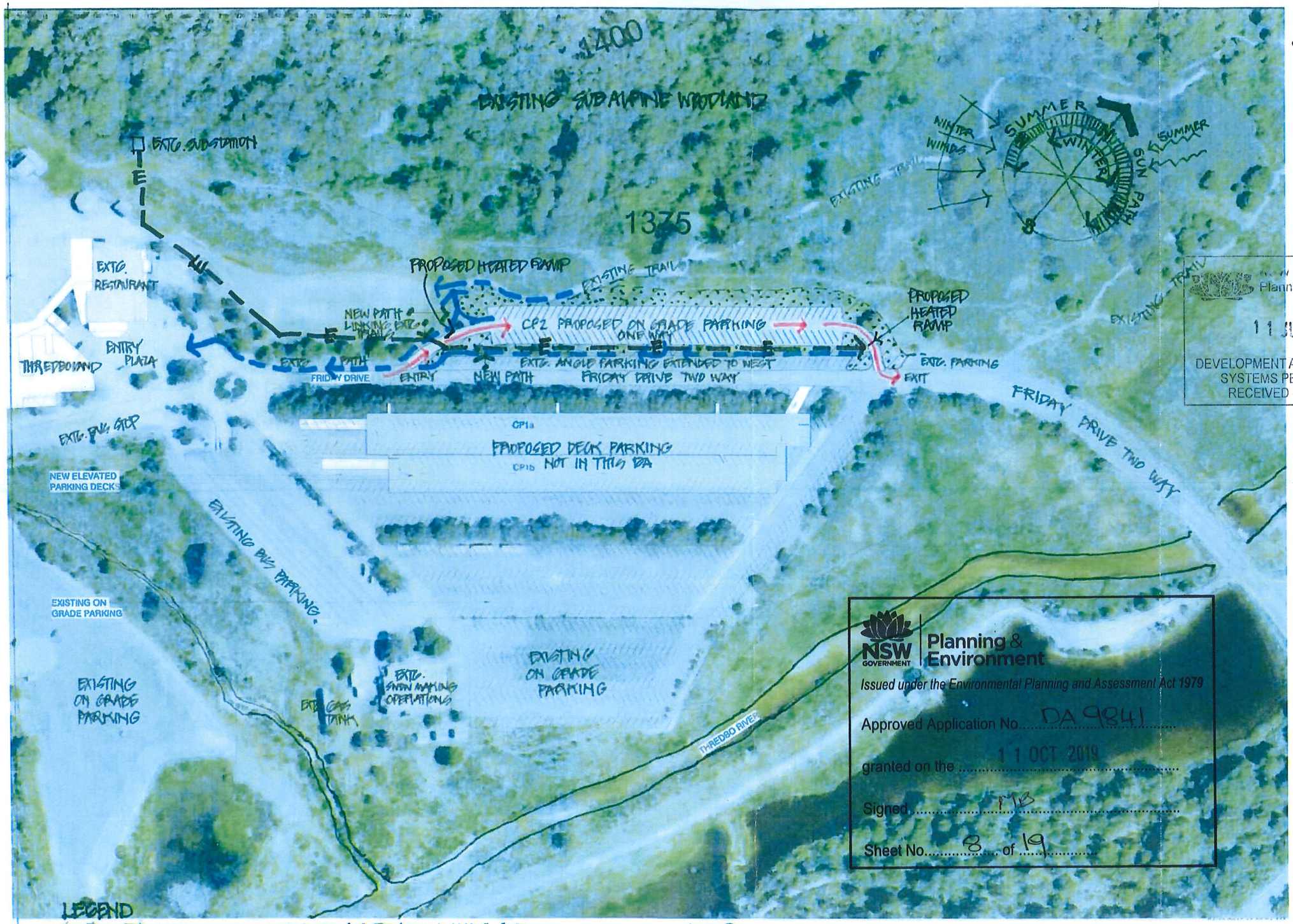
DRAWN	SCALE AT A3
ST	1 : 2000

DESCRIPTION

COVER PAGE AND LOCATION PLAN

PROJECT No	DRAWING No	REVISION
18 420	A0.100	D



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D	7/6/19	ELECTRICAL SERVICES ADDED	JC

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DRAWN	SCALE AT A3
ST	

DESCRIPTION

SITE ANALYSIS PLAN
INDICATIVE ELECTRICAL

PROJECT No	DRAWING No	REVISION
18 420	A0.150/S	D

EXISTING SUB-ALPINE WOODLAND

EXISTING GRASSED AREA MADE GOOD FOLLOWING CONSTRUCTION

NEW GRAVEL PATH LINKING EXISTING TRAIL + PEDESTRIAN BRIDGE CROSSING OVER EXTG. DRAIN / DETAIL SET OUT ADJUSTED ON SITE TO ACCOMMODATE EXTG. CONDITIONS.

EXISTING BIKE/PEDESTRIAN TRAIL.

EXISTING BIKE/PEDESTRIAN TRAIL LINKED WITH NEW TRAIL HEAD FOR SUMMER BIKE ACCESS + WINTER CARPARK ACCESS TO FRIDAY DRIVE

ROCK WALL TO 1.5m HIGH REFER ENG. DETAIL

APPROX. 1:2 CUT BANK REFER ENG. DETAIL

APPROX. EXTENT OF REVEGETATION WORKS

CATCH DRAIN TO TOP OF BANK

WINTER BEGINNER BOWL

EXTG. TRAIL

DRAIN

EXISTING TRAIL

SMOOTH TRANSITIONS INTO ADJACENT GRADES.

PROPOSED CP2 CARPARK ON GRADE / ONE WAY →

REFER ENGINEERING DETAIL

PEDESTRIAN ACCESS

BIOSWALE TO ENGINEERING DETAIL

EXTEND ROAD EDGE PARKING

EXISTING ROADEDGE PARKING

ENTRY

RELOCATE EXTG. TRAIL HEAD SIGN

FRIDAY DRIVE

EXIT

NEW PEDESTRIAN FOOTPATH

ROCK WALL MAX 2.0m HIGH / BLENDED INTO BANK WITH BOULDER GROUPS WON FROM EXCAVATION

LEGEND

EXTENT OF AREAS DISTURBED DURING CONSTRUCTION TO BE REVEGETATED + STABILISED. MAX 1:2 BANKS MADE GOOD WITH SITE TOPSOIL/FIXED IN PLACE WITH 'SOIL SAVER' JUTE FABRIC / 100% PERVUE SEEDING OVERPLANTED WITH SNOWGRASS CELLS + INDIVIDUAL TREE + SHRUB PLANTINGS GROUPED AROUND BOULDERS.

ROCK WALLING TO 1.5-2.0m MAX HEIGHT BLENDED INTO ADJACENT PROFILES WITH SITE BOULDERS WON FROM EXCAVATION / REFER ENGINEERING DETAIL

PROPOSED GRAVEL PATH TO LINK EXISTING BIKE + PEDESTRIAN TRAILS WINTER ACCESS FROM CARPARK / SUMMER EXTING ACCESS.

CATCH DRAINS TO TOP OF BANKS

INDICATIVE PLANTING ALLOWANCE
10 EUC. PAUCIFLORA NIPHOPHILA
15 EUC. STELLULATA
30 GREVILLEA VICTORIAE
150 DIANELLA TASMANICA
500 POA FAWCETTIAE (SNOWGRASS CELLS)
NOTE: SUPPLY FROM APPROVED GROWERS.

- ALL AREAS DISTURBED DURING CONSTRUCTION TO BE STABILISED + MADE GOOD / REFER 'SEMP' + 'SEE'
- ALL REVEG TO BE MULCHED FROM BENCH CHIPPINGS WON FROM APPROVED VEGETATION REMOVAL
- SITE PROTECTION MEASURES AS PER 'SEMP'
- REFER ARCH + ENGINEERING DETAIL

NSW GOVERNMENT Planning & Environment

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Sheet No. 9 of 19

NSW GOVERNMENT Planning & Infrastructure

11 JAN 2019

DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE RECEIVED - JINDABYNE

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B	18/12/18	DA RE-ISSUE	SM
A	13/12/18	DEVELOPMENT APPLICATION ISSUE	ST

ISSUE DATE SUBJECT VALID'N.

CLIENT

EVENT Hospitality and Entertainment

DEVELOPMENT APPLICATION

PROJECT

FRIDAY FLAT CARPARK CP2

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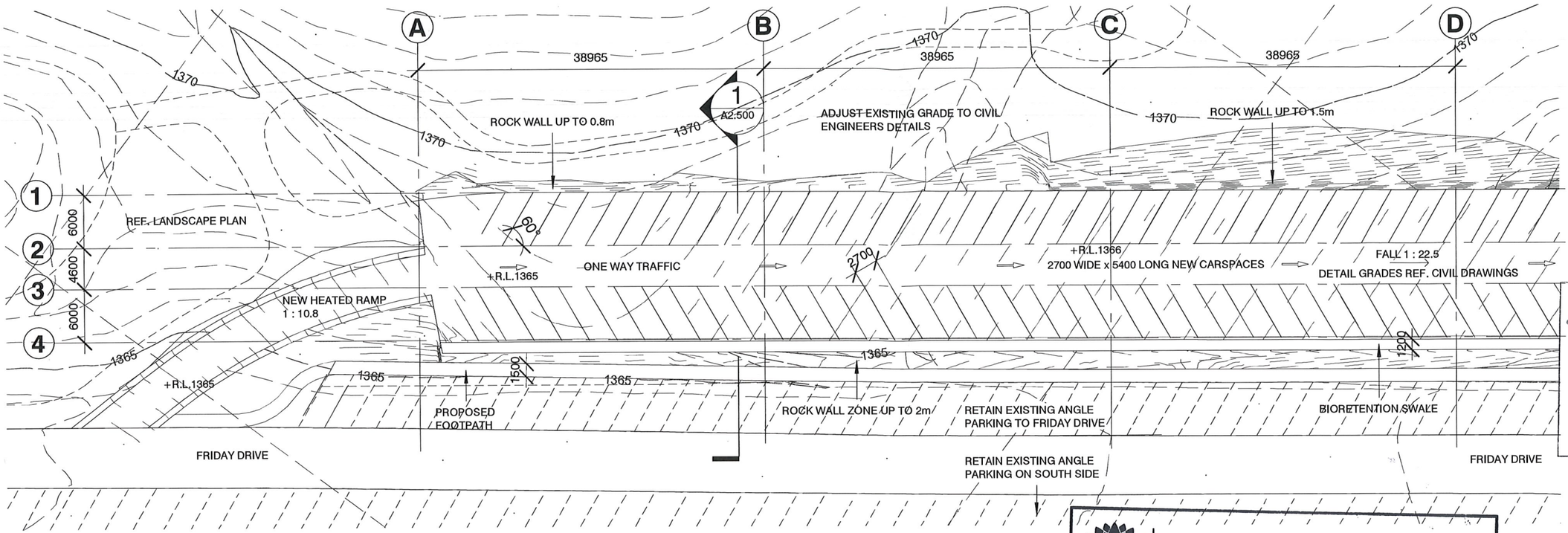
DRAWN	SCALE AT A3
Author	1:600

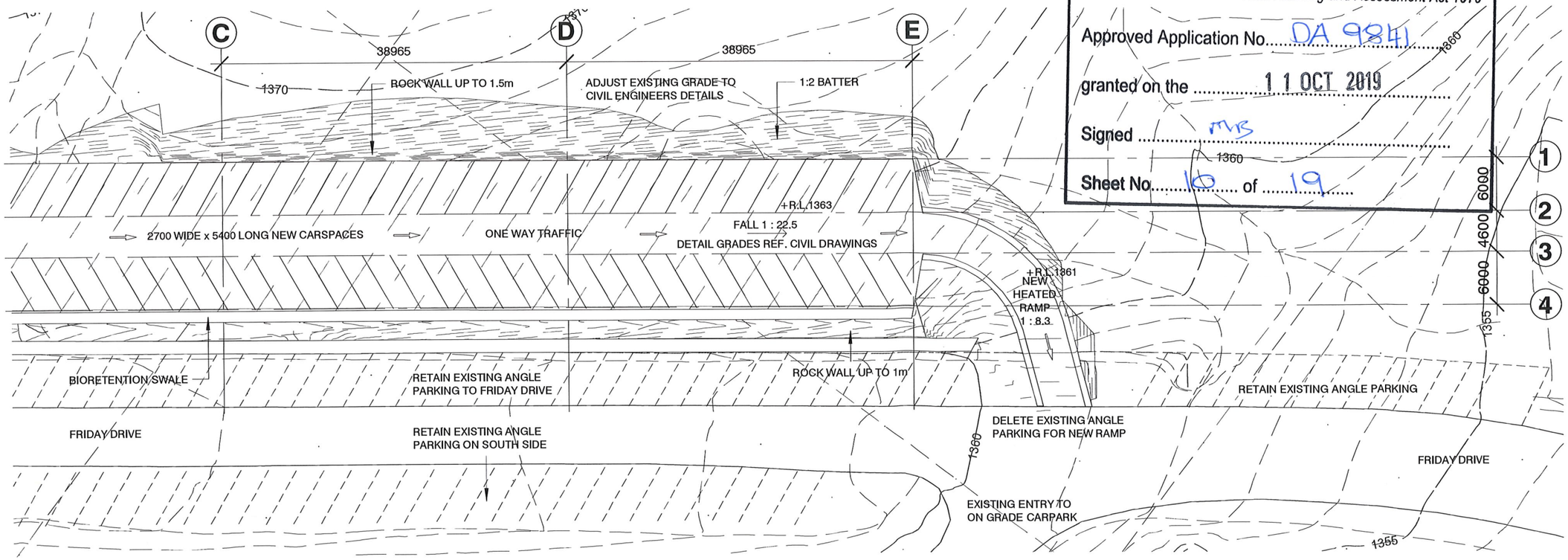
DESCRIPTION

REHABILITATION AND LANDSCAPE CONCEPT PLAN

PROJECT No	DRAWING No	REVISION
18 420	A0.200	C



1 GENERAL ARRANGEMENT PLAN WEST
1 : 500



2 GENERAL ARRANGEMENT PLAN EAST
1 : 500

PARKING SCHEDULE

95 NEW CP2 PARKING SPACES

88 EXISTING FRIDAY DRIVE PARKING SPACES

72 REVISED FRIDAY DRIVE PARKING SPACES FOLLOWING CP2 (INC. RAMPS)

79 NET ADDITIONAL PARKING SPACES

NSW GOVERNMENT
Planning & Infrastructure

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RECEIVED - JINDABYNE

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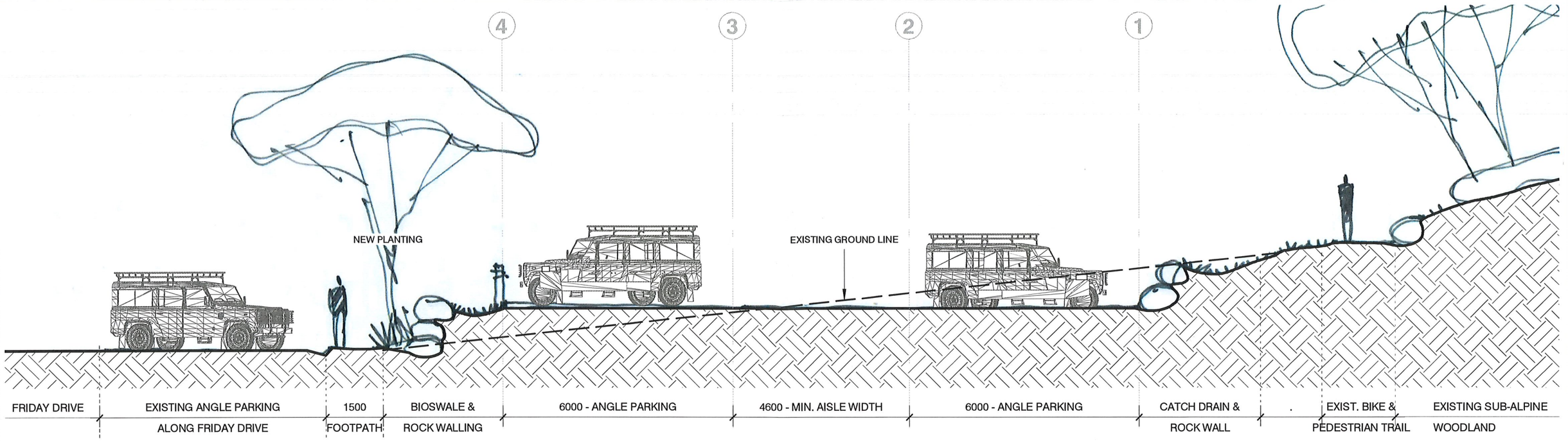
DRAWN	SCALE AT A3
Author	As indicated

DESCRIPTION

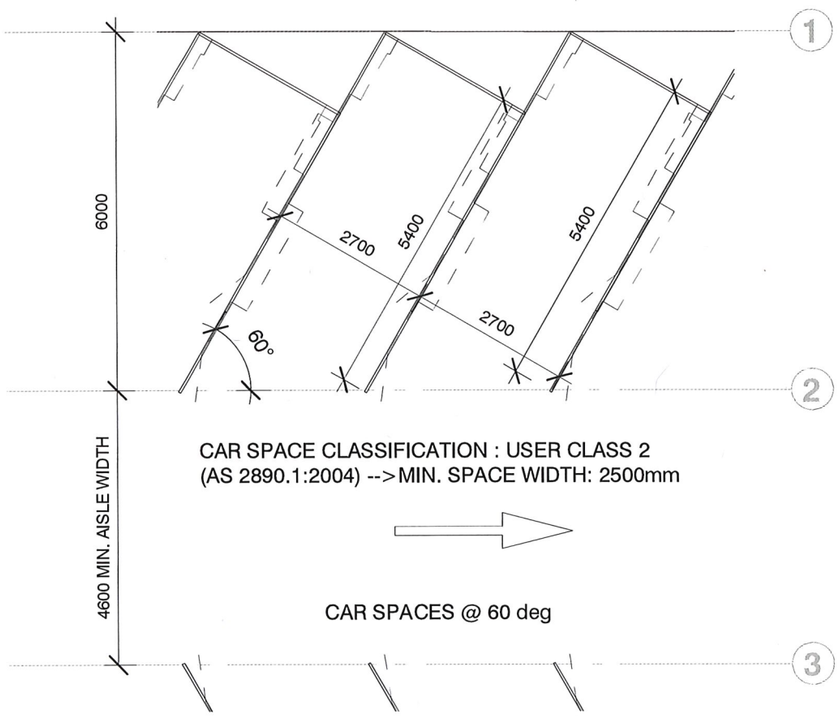
GENERAL ARRANGEMENT PLAN

PROJECT No	DRAWING No	REVISION
18 420	A1.100	D



1 INDICATIVE SECTION
A1.100

1 : 100



2 CAR SPACE DETAIL

1 : 100

NSW GOVERNMENT Planning & Environment

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Sheet No. 11 of 19

NSW GOVERNMENT
Planning & Infrastructure

11 JAN 2019

DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE
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DEVELOPMENT APPLICATION

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DRAWN	SCALE AT A3
Author	1 : 100

DESCRIPTION

INDICATIVE SECTION & CAR SPACE DETAIL

PROJECT No	DRAWING No	REVISION
18 420	A2.500	B

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01

THREDBO ALPINE RESORT
CAR PARK 2

NSW GOVERNMENT Planning & Environment

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granted on the ..... 11 OCT 2019

Signed ..... MB

Sheet No..... 12 of 19

GENERAL NOTES

1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer
2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
3. Make smooth connection with all existing works.
4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
5. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority, the Contractor is to ensure that the drawings used for construction have been approved by all relevant authorities prior to commencement site.
6. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.
7. For all temporary batters refer to geotechnical recommendations.

REFERENCE DRAWINGS

1. These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.

Consultant	Dwg Title	Dwg No	Rev	Date
djrd	FLAT FRIDAY LAYOUT	A-A0.100	B	03.10.18
	SURVEY HORIZONTAL			30.07.18

PIT SCHEDULE

Note: Grate size does not necessarily reflect pit size, refer pit type details, shown on detail sheets – ?
Final internal pit dimensions are to comply with AS3500

Type	Description	Cover (Clear Opening)	Number
A	Detetion outlet pit	900 x 900 Class C galvanised mild steel grate hinged to frame with trash screen	1

STORMWATER DRAINAGE NOTES

1 Stormwater Design Criteria :
- (A) Average exceedance probability –
  - 1% AEP for culverts
  - 5% AEP for paved and landscaped areas
- (B) Rainfall intensities –
  - Time of concentration: 5 minutes
  - 1% AEP = 14.4 mm
  - 5% AEP = 10.5 mm
- (C) Rainfall losses –
  - Impervious areas: IL = 1.5 mm , CL = 0 mm/hr
  - Pervious areas: IL = 29 mm , CL = 5.4 mm/hr

2. Pipes 300 dia and larger to be reinforced concrete Class "2" approved spigot and socket with rubber ring joints U.N.O.
3. Pipes up to 300 dia shall be sewer grade uPVC with solvent welded joints.
4. Equivalent strength VCP or FRP pipes may be used subject to approval.
5. Precast pits may be used external to the building subject to approval by Engineer.
6. Enlargers, connections and junctions to be manufactured fittings where pipes are less than 300 dia.
7. Where subsoil drains pass under floor slabs and vehicular pavements, unslotted uPVC sewer grade pipe is to be used.
8. Grates and covers shall conform with AS 3996–2006, and AS 1428.1 for access requirements.
9. Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
10. Care is to be taken with levels of stormwater lines. Grades shown are not to be reduced without approval.
11. All stormwater pipes to be 150 dia at 1.0% min fall U.N.O.
12. Subsoil drains to be slotted flexible uPVC U.N.O.
13. Adopt invert levels for pipe installation (grades shown are only nominal).

KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

1. All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.
2. Expansion joints (EJ) to be formed from 10mm compressible cork filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.
3. Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.
4. Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.
5. In the replacement of kerbs –
   Existing road pavement is to be sawcut 900mm from lip of gutter. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses.
   Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole.
   Existing kerbs are to be completely removed where new kerbs are shown.

CONCRETE FINISHING NOTES

1. All exposed concrete pavements are to be broomed finished.
2. All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool.
3. Concrete pavements with grades greater than 10 % shall be heavily broomed finished.
4. Carborundum to be added to all stair treads and ramped crossings U.N.O.

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels : TBC
Datum of levels : A.H.D. AUSTRALIAN HEIGHT DATUM
Coordinate system : TBC
Survey prepared by : TBC
Setout Points : CONTACT THE SURVEYOR

Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.

UNDERGROUND SERVICES - WARNING

The locations of underground services shown on Taylor Thomson Whittings drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.

The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.

Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.

The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.
Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from : No boundary information received.
Refer architect for boundary information and locations
Taylor Thomson Whitting makes no guarantees that the boundary or easement information shown is correct.
Taylor Thomson Whitting will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.

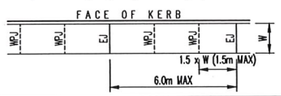
JOINTING NOTES

Vehicular Pavement Jointing

1. All vehicular pavements to be jointed as shown on drawings.
2. Keyed construction joints should generally be located at a maximum of 6m centres.
3. Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres.
4. Provide 10mm wide full depth expansion joints between buildings and all concrete or unit pavers.
5. The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced. Refer to the specification for weather conditions and temperatures required.
6. Vehicular pavement jointing as follows.

Pedestrian Footpath Jointing

1. Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres.
2. Weakened plane joints are to be located at a max 1.5 x width of the pavement.
3. Where possible joints should be located to match kerbing and / or adjacent pavement joints.
4. All pedestrian footpath jointings as follows (uno).



SIGNS AND LINE MARKING NOTES

1. Pavement marking and sign posting on public roads shall be in accordance with the requirements of the relevant Road Authority. The contractor shall obtain these requirements from the Road Authority.
1. Pavement marking and sign posting to be in accordance with R.T.A. 'Interim Guide to Signs and Markings'.
2. Contractor is to provide guide posts, spaced in accordance with AS1742.2. They are to be located near all head walls and pipe outlets.
3. Raised pavement markers to be in accordance with AS1742.2
4. Where existing pavement marking conflicts with proposed, it is to be removed.
5. Lane widths do not include width of gutter.
6. Line marking plan does not define boundaries.
7. Erect temporary sign 'changed traffic conditions ahead' 120m ahead of new work in both directions.
8. Establish the location of existing utility services and locate new signs clear of these installations.
9. The sloped face of the SF median kerbs which adjoin through lanes, are to be painted white in lieu of an E3 edge line. The reflective pavement markers normally associated with an E3 edge line are to be located on the pavement adjacent to the SF kerb.
10. Bicycle pavement markings and sign posting to be in accordance with Austroads Standards.
11. The design of major directional sign posting to be prepared and assessed by the R.T.A.

EROSION AND SEDIMENT CONTROL NOTES

1. All work shall be generally carried out in accordance with
   (A) Local authority requirements,
   (B) EPA – Pollution control manual for urban stormwater,
   (C) LANDCOM NSW – Managing Urban Stormwater: Soils and Construction ("Blue Book").
2. Erosion and sediment control drawings and notes are provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified. Variation to these details may require approval by the relevant authorities.
   The erosion and sediment control plan shall be implemented and adopted to meet the varying situations as work on site progresses.
3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
4. When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
5. Minimise the area of site being disturbed at any one time.
6. Protect all stockpites of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
8. Control water from upstream of the site such that it does not enter the disturbed site.
9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
10. All vehicles leaving the site shall be cleaned and inspected before leaving.
11. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
12. Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

1. Prior to commencement of excavation the following soil management devices must be installed.
1.1. Construct silt fences below the site and across all potential runoff sites.
1.2. Construct temporary construction entry/exit and divert runoff to suitable control systems.
1.3. Construct measures to divert upstream flows into existing stormwater system.
1.4. Construct sedimentation traps/basin including outlet control and overflow.
1.5. Construct turf lined swales.
1.6. Provide sandbag sediment traps upstream of existing pits.
2. Construct geotextile filter pit surround around all proposed pits as they are constructed.
3. On completion of pavement provide sand bag kerb inlet sediment traps around pits.
4. Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

BULK EARTHWORKS NOTES

1. All bulk earthworks setout from grid lines U.N.O.
2. All batters at a slope of 2 (H) : 1 (V) U.N.O.
3. Excavated material may be used as structural fill provided,
   (i) it complies with the specification requirements for fill material,
   (ii) the placement moisture content complies with the Geotechnical Consultants requirements, and allows filling to be placed and proofrolled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.
4. Compact fill areas and subgrade to not less than:

Location	Standard dry density (AS 1289 5.1.1.)	Moisture (OMC)
Under building slabs on ground:	98%	±2%
Under roads and carparks:	98%	±2%
Landscaped areas:	95%	±2%

5. Before placing fill, proof roll exposed subgrade with a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller). Soft spots to be replaced with select fill U.N.O.
6. Contractor shall place safety barriers around excavations in accordance with relevant safety regulations.
7. For interpretation of bulk earthworks foot print line shown on the bulk earthworks drawings refer to the bulk earthworks construction legend.
8. Bulk earthwork drawings are not to be used for detailed excavation.
9. Refer to Geotechnical Report prepared by –
   DOUGLAS PARTNERS
   PROJECT 91329.00

BULK EARTHWORKS LEGEND

Bulk Earthworks Step (Step from low side to high side)
Bulk earthworks spot level
Bulk earthworks contour level
Bulk earthworks platform level
Flat platforms shown with dots

EXISTING SERVICES LEGEND

- Existing sewer
- Existing water
- Existing aerial electrical
- Existing electrical
- Existing communications
- Existing gas
- Existing stormwater
- Existing NBN

RETAINING WALLS

1. Drainage shall be provided as shown on the drainage drawings.
2. Backfilling shall be carried out after grout or concrete has reached a minimum strength of 0.85 f'c. Backfilling shall be approved granular material compacted in layers not exceeding 200mm to 95% Standard compaction unless noted otherwise.
3. Provide waterproofing to back of walls as specified or noted.
4. Where retaining walls rely on connecting structural elements for stability, do not backfill against the wall unless it is adequately propped or the elements have been constructed and have sufficient strength to withstand the loads.
5. For all temporary batters obtain geotechnical engineers recommendations.

REINFORCED EARTH WALL NOTE

1. All masonry blocks and gabion baskets are to the manufacture's specification.
2. Geofabric type and length is to be laid as per plans.
3. Subgrade bearing tests must be completed and results reviewed prior to gabion basket laying
4. Contractor to submit shear box test results to ensure adequate friction angle, unit weight and cohesion.
5. Contractor must provide test records to ensure compaction results and moisture content between layers that have been specified is achieved.
6. Soil conditions are anticipated as noted by the latest geotechnical report. Any conflicts or changes with the soil conditions or design, the contractor is to seek approval for any changes by the geotechnical engineer.

SAFETY IN DESIGN

Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.

EXISTING SERVICES

Contractor to be aware existing services are located within the site. Location of all services to be verified by the Contractor prior to commencing works. Contractor to confirm with relevant authority regarding measures to be taken to ensure services protected or procedures are in place to demolish and/or relocate.

EXISTING STRUCTURES

Contractor to be aware existing structures may exist within the site. To prevent damage to existing structure(s) and/or personnel, site works to be carried out as far as practicably possible from existing structure(s).

EXISTING TREES

Contractor to be aware existing trees exist within the site which need to be protected. To prevent damage to trees and/or personnel, site works to be carried out as far as practicably possible from existing trees. Advice needs to be sought from Arborist and/or Landscape Architect on measures required to protect trees.

GROUNDWATER

Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works.

EXCAVATIONS

Deep excavations due to stormwater drainage works is required. Contractor to ensure safe working procedures are in place for works. All excavations to be fenced off and batters adequately supported to approval of Geotechnical Engineer.

GROUND CONDITIONS

Contractor to be aware of the site geotechnical conditions. Refer to geotechnical report by Douglas Partners (ref:91329) for details.

HAZARDOUS MATERIALS

Existing asbestos products & contaminated material may be present on site. Contractor to ensure all hazardous materials are identified prior to commencing works. Safe working practices as per relevant authority to be adopted and appropriate PPE to be used when handling all hazardous materials. Refer to geotechnical/environmental report by Douglas Partners (ref:91329) for details.

CONFINED SPACES

Contractor to be aware of potential hazards due to working in confined spaces such as stormwater pits, trenches and/or tanks. Contractor to provide safe working methods and use appropriate PPE when entering confined spaces.

MANUAL HANDLING

Contractor to be aware manual handling may be required during construction. Contractor to take appropriate measures to ensure manual handling procedures and assessments are in place prior to commencing works.

WATER POLLUTION

Contractor to ensure appropriate measures are taken to prevent pollutants from construction works contaminating the surrounding environment.

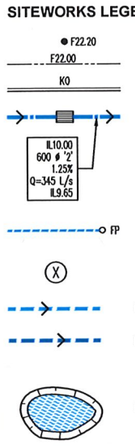
SITE ACCESS/EGRESS

Contractor to be aware site works occur in close proximity to footpaths and roadways. Contractor to erect appropriate barriers and signage to protect site personnel and public.

VEHICLE MOVEMENT

Contractor to supply and comply with traffic management plan and provide adequate site traffic control including a certified traffic marshall to supervise vehicle movements where necessary.

SITEWORKS LEGEND



- Finished surface level
- Finished contour
- Kerb only
- Stormwater pit, flow direction and line with
- Invert level upstream
- Pipe size and class
- Pipe grade
- Flow (Litres per second)
- Invert level downstream
- Flushing point with subsoil drainage line (100 dia)
- Pit number
- Catch drain
- Bioretention swale
- Detention basin

DRAWING SCHEDULE

DRAWING NO.	DRAWING NAME
C500	NOTES AND LEGENDS SHEET
C501	EROSION AND SEDIMENT CONTROL PLAN
C502	SITE WORKS PLAN SHEET 1
~~C503~~	~~SITE WORKS PLAN SHEET 2~~
C504	SECTION SHEET 1
C505	SECTION SHEET 2
C506	DETAILS SHEET

NSW GOVERNMENT Planning & Infrastructure

11 JAN 2019

DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE RECEIVED - JINDABYNE

DA SUBMISSION

Rev	Description	Eng	Draft	Date
P3	DA SUBMISSION	EC	JW	07.01.18
P2	DA SUBMISSION	EC	JW	19.12.18
P1	DA SUBMISSION	EC	JW	18.12.18

Client

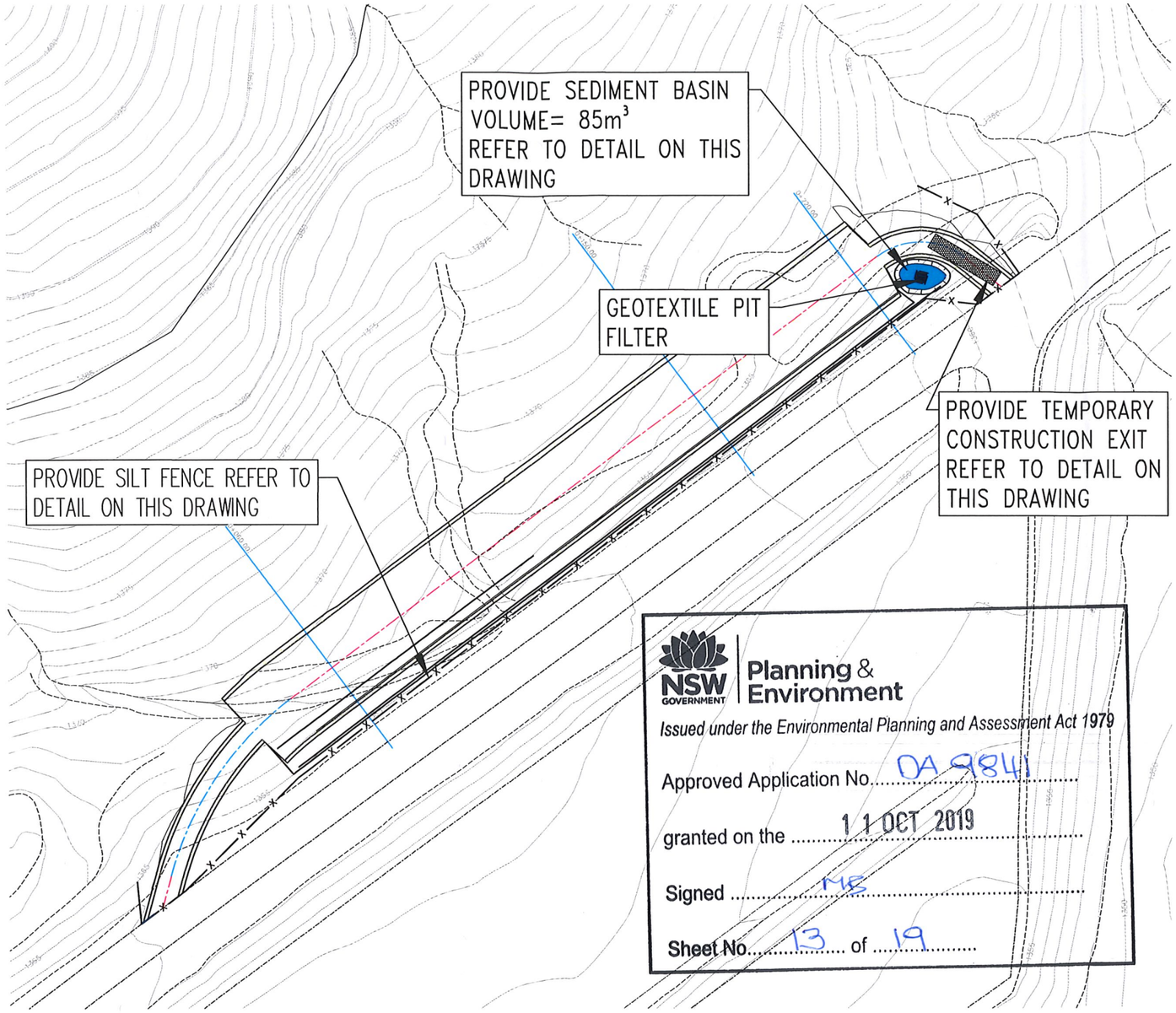
Civil Engineer: Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

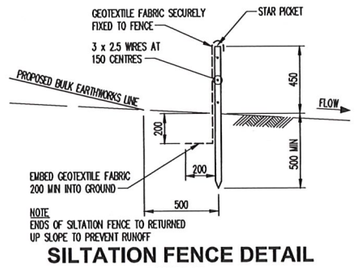
Project: THREDBO ALPINE RESORT
FRIDAY FLAT CAR PARKS

Sheet Subject: NOTES AND LEGEND SHEET

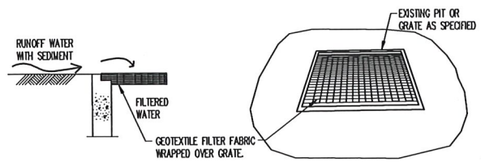
Scale : A1 NTS | Drawn JW | Authorised SB
Job No 181487 | Drawing No C500 | Revision P3
Plot File Created: Jan 10, 2019 - 1:27pm

FileName: C500.dwg – USER: duncanu – Plot File Created: Jan 10, 2019 - 1:27pm

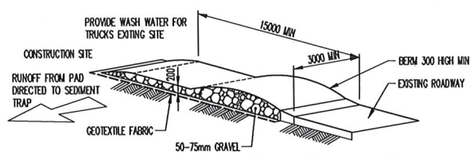




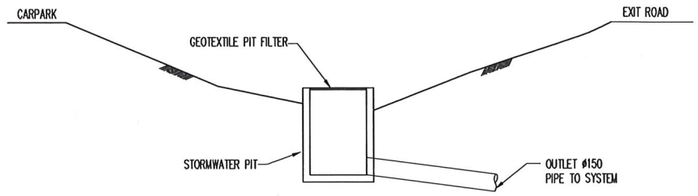
SILTATION FENCE DETAIL
SCALE 1: 20



GEOTEXTILE PIT FILTER
NTS



TEMPORARY CONSTRUCTION EXIT
NTS



TYPICAL SECTION OF DETENTION BASIN
NTS

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Approved Application No. DA 9841

granted on the 11 OCT 2019

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Sheet No. 13 of 19

EROSION AND SEDIMENT CONTROL NOTES

1. All work shall be generally carried out in accordance with
   (A) Local authority requirements,
   (B) EPA – Pollution control manual for urban stormwater,
   (C) LANDCOM NSW – Managing Urban Stormwater: Soils and Construction ("Blue Book").
2. Erosion and sediment control drawings and notes are provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified. Variation to these details may require approval by the relevant authorities.
   The erosion and sediment control plan shall be implemented and adopted to meet the varying situations as work on site progresses.
3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
4. When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
5. Minimise the area of site being disturbed at any one time.
6. Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
8. Control water from upstream of the site such that it does not enter the disturbed site.
9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
10. All vehicles leaving the site shall be cleaned and inspected before leaving.
11. Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
12. Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

1. Prior to commencement of excavation the following soil management devices must be installed.
1.1. Construct silt fences below the site and across all potential runoff sites.
1.2. Construct temporary construction entry/exit and divert runoff to suitable control systems.
1.3. Construct measures to divert upstream flows into existing stormwater system.
1.4. Construct sedimentation traps/basin including outlet control and overflow.
1.5. Construct turf lined swales.
1.6. Provide sandbag sediment traps upstream of existing pits.
2. Construct geotextile filter pit surround around all proposed pits as they are constructed.
3. On completion of pavement provide sand bag kerb inlet sediment traps around pits.
4. Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

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DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE RECEIVED - JINDABYNE

EROSION AND SEDIMENT CONTROL LEGEND

- Siltation fence
- Stormwater pit with Geotextile filter surround
- Sedimentation basin

Filename: C501.dwg – USER: duncanw – Plot File Created: Dec 21, 2018 – 1:04pm

DA SUBMISSION

Rev	Description	Eng	Draft	Date
P2	DA SUBMISSION	EC	JW	19.12.18
P1	DA SUBMISSION	EC	JW	18.12.18

Client

Civil Engineer: Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: THREDBO ALPINE RESORT
FRIDAY FLAT CAR PARKS

Sheet Subject: EROSION AND SEDIMENT CONTROL PLAN - CAR PARK 2

Scale : A1	Drawn	Authorised
1:1000	HM	SB

Job No	Drawing No	Revision
181487	C501	P2

Plot File Created: Dec 21, 2018 - 1:04pm

Existing drainage

New Headwall

Existing Headwall

Existing Culvert

1:2 Batter

Ø150 pipe

Existing drainage connects to new drainage channel

New drainage channel along top of new wall

Bioretention swale

New Box Culvert 0.8m x 0.8m

Detention Basin

Existing Stormwater

Rock wall up to 1.0m

Existing drainage

Rock wall up to 2.5m

Existing drainage channel to remain. Amended for new footpath construction and conveys road drainage for Friday Drive only. Upstream catchment conveyed by new channel along highside of the carpark

Existing drainage connects to new drainage channel

New drainage channel conveys upstream catchment to existing culvert under Friday Drive

Bioretention swale along low edge of car park

Rock wall up to 0.8m

Existing drainage

Footpath

Existing drainage connects to new drainage channel

Rock wall up to 3.0m

Gravel Footpath

Existing drainage to be removed

Bioretention swale connects to existing drainage along Firday Drive

FRIDAY DRIVE

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Sheet No... 14 ... of ... 19

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FileName: C502.dwg – USER: duncanw – Plot File Created: Jan 10, 2019 - 2:01pm

DA SUBMISSION

Rev	Description	Eng	Draft	Date
P5	DA SUBMISSION	DU	JW	07.01.19
P4	DA SUBMISSION	EC	JW	21.12.18
P3	DA SUBMISSION	EC	JW	20.12.18
P2	DA SUBMISSION	EC	JW	19.12.18
P1	DA SUBMISSION	EC	JW	18.12.18

Client

Civil Engineer: Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: THREDBO ALPINE RESORT
FRIDAY FLAT CAR PARKS

Sheet Subject: SITEWORKS PLAN SHEET 1

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Authorised: SB
Job No: 181487
Drawing No: C502
Revision: P5
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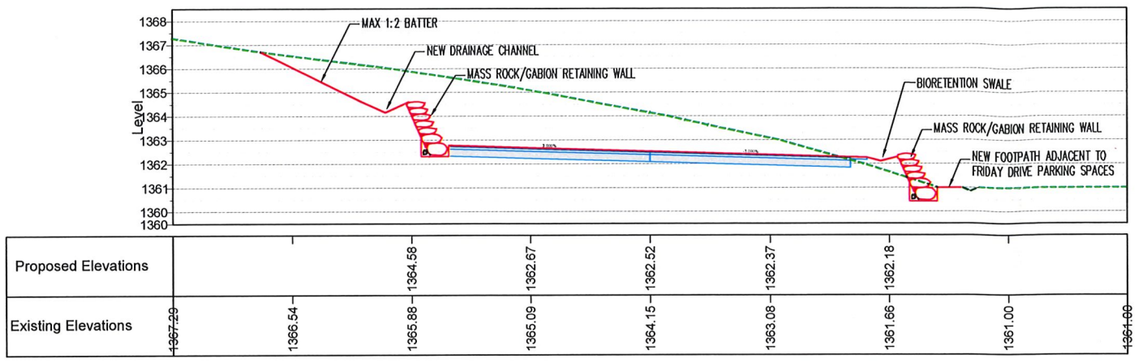

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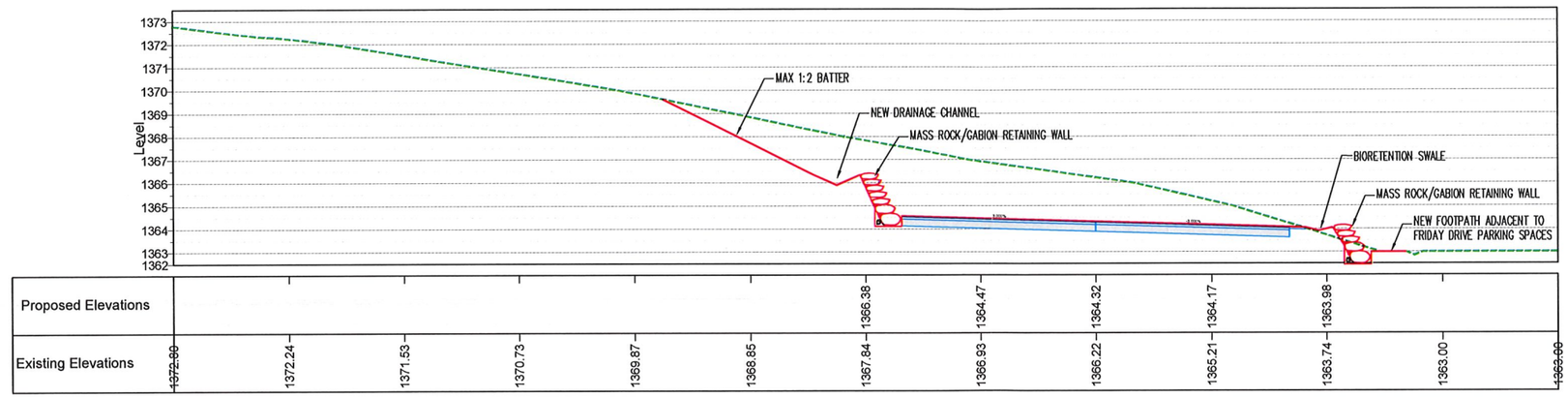

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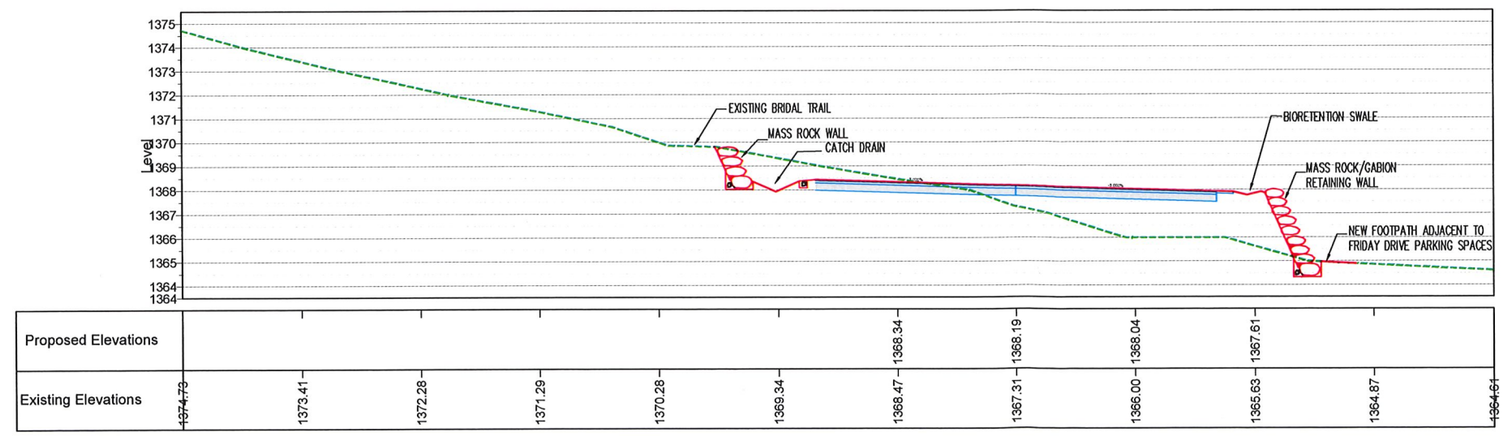

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Approved Application No. DA 9841

granted on the 11 OCT 2019

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Sheet No. 16 of 19

NSW GOVERNMENT Planning & Infrastructure

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DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE RECEIVED - JINDABYNE

Rev	Description	Eng	Draft	Date
P3	DA SUBMISSION	EC	JW	10.01.18
P2	DA SUBMISSION	EC	JW	20.12.18
P1	DA SUBMISSION	EC	JW	18.12.18

Client

Civil Engineer: Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: THREDBO ALPINE RESORT
FRIDAY FLAT CAR PARK 2

Sheet Subject: SECTION SHEET 2

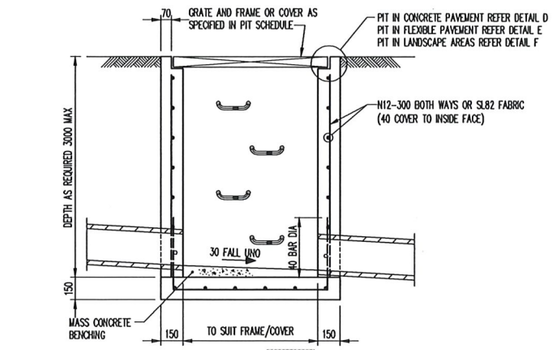
DA SUBMISSION

Scale : A1	Drawn	Authorised
1:100	WW	SB

Job No	Drawing No	Revision
181487	C505	P3

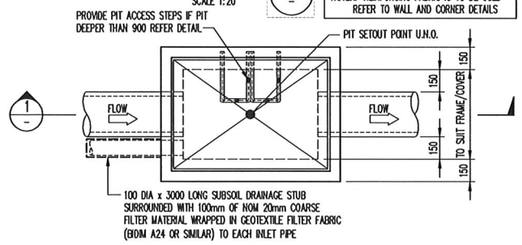
Plot File Created: Jan 10, 2019 - 2:10pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01



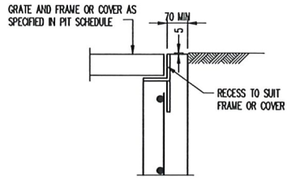
SECTION 1
SCALE 1:20

NOTE: IF REINFORCING FABRIC IS TO BE USED REFER TO WALL AND CORNER DETAILS

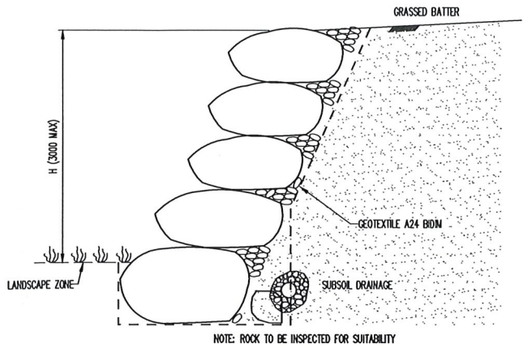


PLAN
SCALE 1: 20

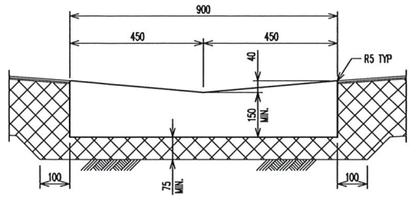
PIT TYPE A



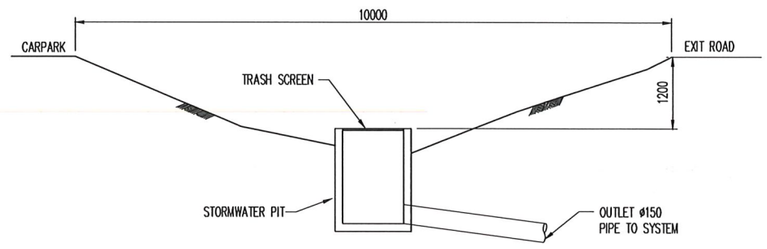
DETAIL F
SCALE 1: 10



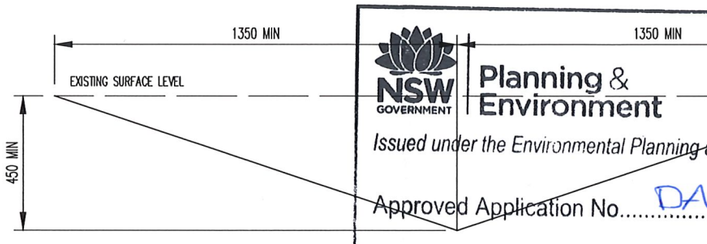
MASS ROCK WALL SECTION - FOR H UP TO 3000mm
SCALE 1: 20



DISH DRAIN (DD)
SCALE 1:10



TYPICAL SECTION OF DETENTION BASIN
NTS



TYPICAL SECTION THROUGH CATCH DRAIN
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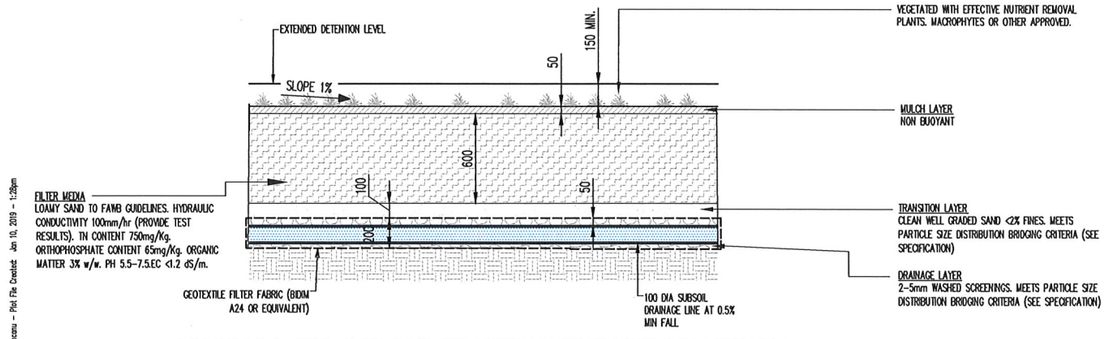

TYPICAL LONG SECTION THROUGH BIORETENTION SWALE
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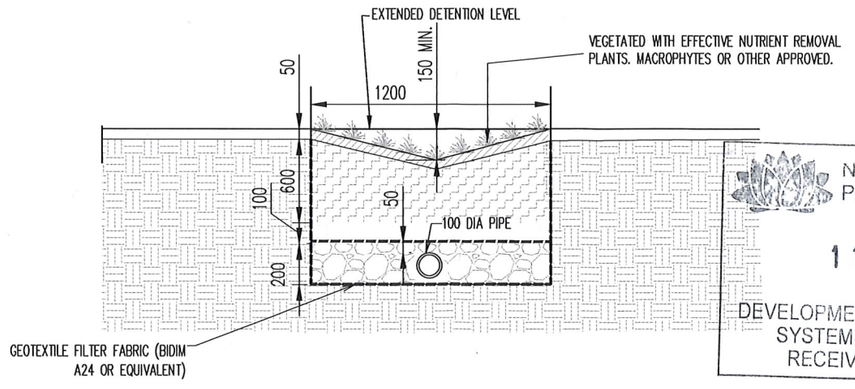

TYPICAL CROSS SECTION THROUGH BIORETENTION SWALE
SCALE NTS

NSW GOVERNMENT Planning & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application No. DA 9841

granted on the 11 OCT 2019

SCALE 1:20

Signed MB

Sheet No. 17 of 19

NSW GOVERNMENT Planning & Infrastructure

11 JAN 2019

DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE RECEIVED - JINDABYNE

FileName: C506.dwg - USER: dantanu - Plot File Created: Jan 10, 2019 - 1:28pm

DA SUBMISSION

Rev	Description	Eng	Draft	Date
P4	DA SUBMISSION	DU	JW	10.01.19
P3	DA SUBMISSION	DU	JW	07.01.19
P2	DA SUBMISSION	EC	JW	19.12.18
P1	DA SUBMISSION	EC	JW	18.12.18

Client

Civil Engineer: Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project: THREDBO ALPINE RESORT
FRIDAY FLAT CAR PARKS

Sheet Subject: DETAIL SHEET 1

Scale : A1	Drawn	Authorised
NTS	HM	SB

Job No	Drawing No	Revision
181487	C506	P4

Plot File Created: Jan 10, 2019 - 1:26pm