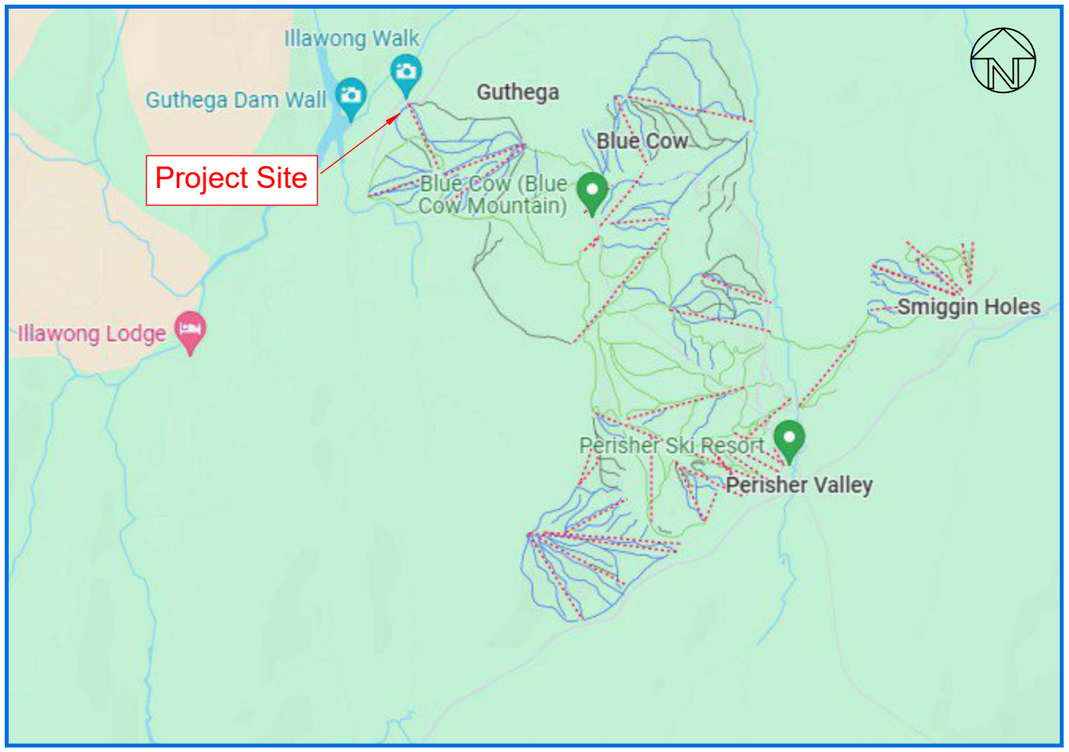
Vail Resorts (Perisher)

Groomer Track above Guthega Nordic Centre
Guthega NSW

CLM CiViL Project No. V-317



Locality Plan - Not to Scale

DRAWING LIST

Sheet No:	Description
1	Cover Sheet, Drawing List and Locality Plan
2	Site Plan - Proposed Works
3	Environmental Construction notes and Typical Cross Section
4	Groomer Track Longitudinal Section
5	Cross Sections Sheet 1
6	Cross Sections Sheet 2
7	Erosion and Sediment Control Plan
8	Erosion and Sediment Control Details

ENGINEERS AUSTRALIA

Gregory MW Miller
MIEAust
Membership No. 1144751

NOT FOR CONSTRUCTION

A	17/4/24	Client Review

Groomer Track above Guthega Nordic Centre
Guthega NSW

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Client: Vail Resorts (Perisher)

Cover Sheet, Drawing List and Locality Plan

Status: Client Review

Datum	Scale	Size
GDA2020/AHD	AS SHOWN	A3

Project Number	Sheet	Revision
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A	17/4/24	Client Review

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Client: Vail Resorts (Perisher)

Site Plan - Proposed Works

Status: Client Review

Datum	Scale	Size
GDA2020/AHD	1:250	A3

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ENVIRONMENTAL SITE MANAGEMENT

1. Implement soil and water management procedures to avoid erosion, contamination and sedimentation of the site, surrounding areas and drainage systems in accordance with the details provided in this drawing set, the Office of Environment and Heritage publication, 'Erosion and Sediment Control on Unsealed Roads, A Field Guide for Erosion and Sediment Control Maintenance Practices' and the 'Site Environmental Management Plan' prepared by Perisher.

2. Sediment and erosion controls must be in place prior to the commencment of any earthworks. The location of the final position of sediment and erosion control measures shall be determined on-site.

3. It is the responsibility of the contractor to ensure that all measures are taken during the course of construction to prevent sediment erosion and pollution of the downstream system. All sediment control structures shall be inspected after each rainfall event for structural damage and all trapped sediment to be removed to a nominated site. A sediment fence is to be placed downslope of all stockpiles.

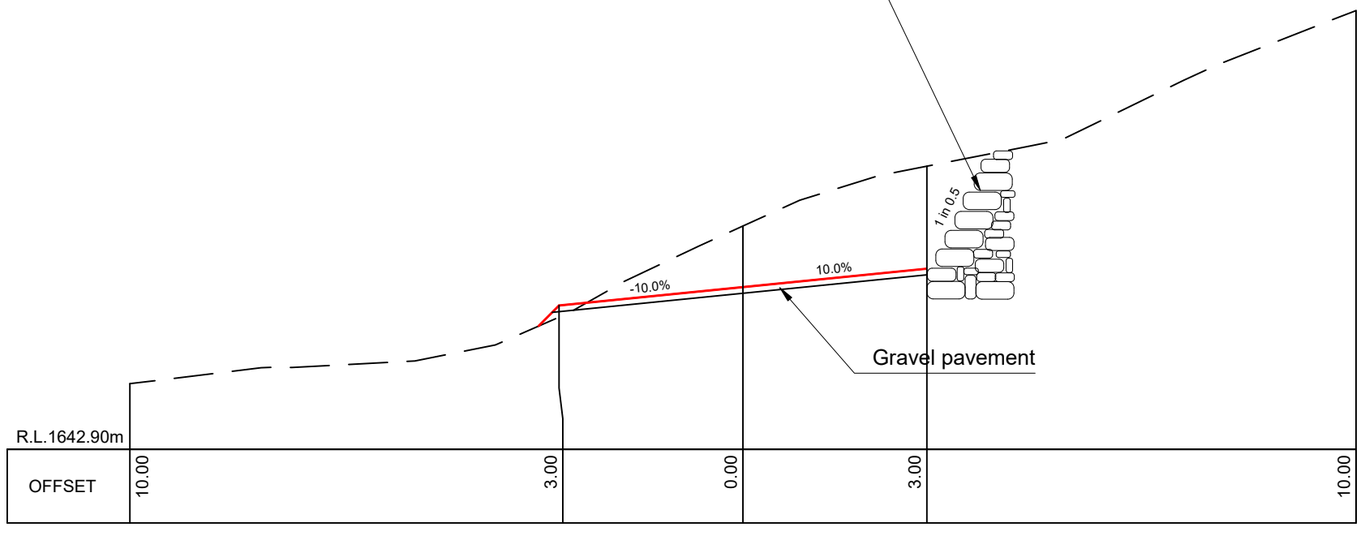
4. Retain all vegetation wherever possible. Topsoil from all areas that will be disturbed is to be stripped and stockpiled at the nominated site.

5. Disturbed areas are to be stablised as early as possible. All disturbed areas are to be stablised within 14 days of disturbance.

6. All exisitng vegetation is to be retained unless shown otherwise on the approved drawings.Trees retained are to be protected with high visibility fence plus the flagging of individual trees as necessary.

7. All silt fences and barriers are to be maintained in good order and regularly desilted during the construction period.

8. The head contractor is to inform all site staff and sub-contractors of their obligations under the erosion and sediment control plan.



TYPICAL CROSS SECTION

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Guthega NSW

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Environmental Construction Notes and Typical Cross Section

Status: Client Review

Datum	Scale	Size
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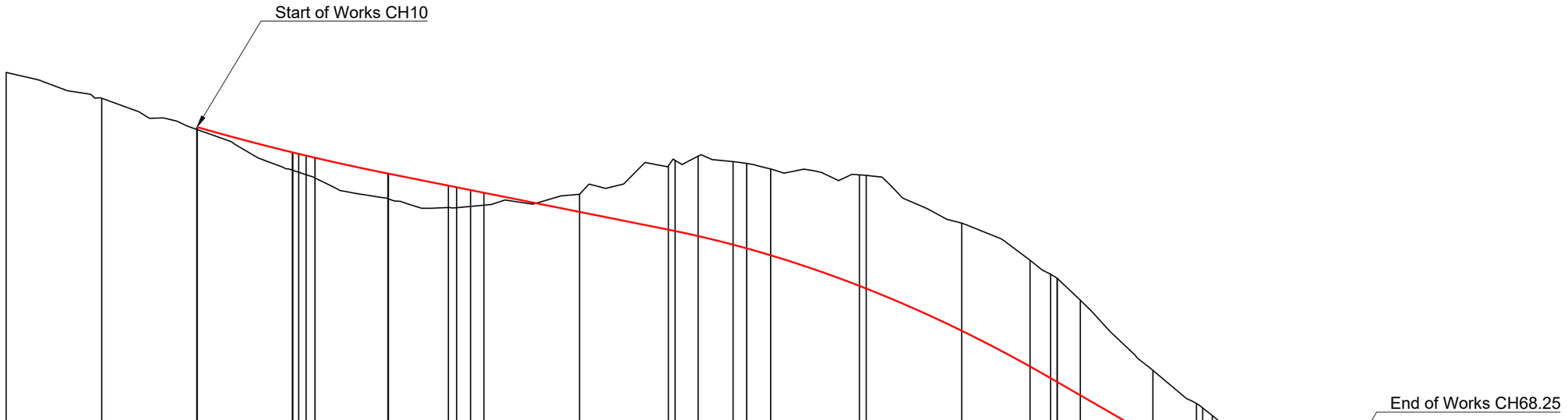
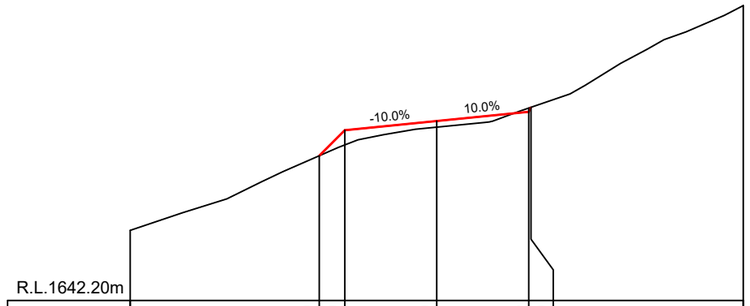

Start of Works CH10
End of Works CH68.25
I.P. 1648.923
I.P. 1648.065
I.P. 1646.878
I.P. 1644.087
10.00
20.00
10.00
-5.73%
-4.00%
-11.53%
-1.44%

| R.L. 1642.40 | | |



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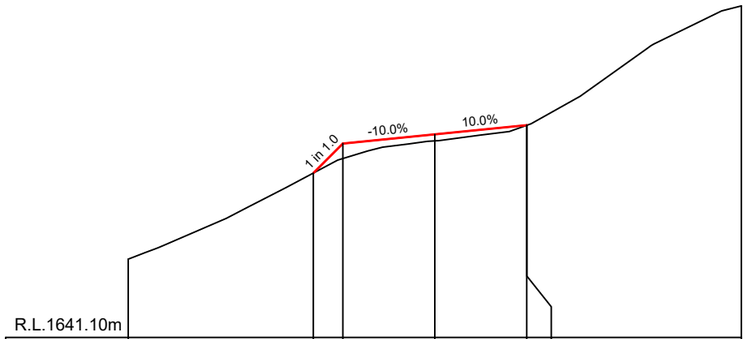
Ch 15.69 m



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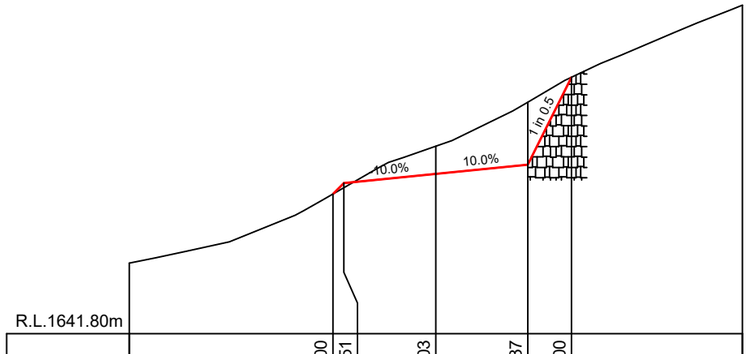
Ch 23.57 m



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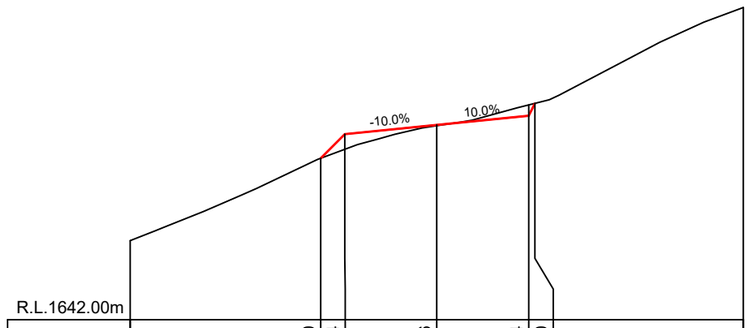
Ch 40.00 m



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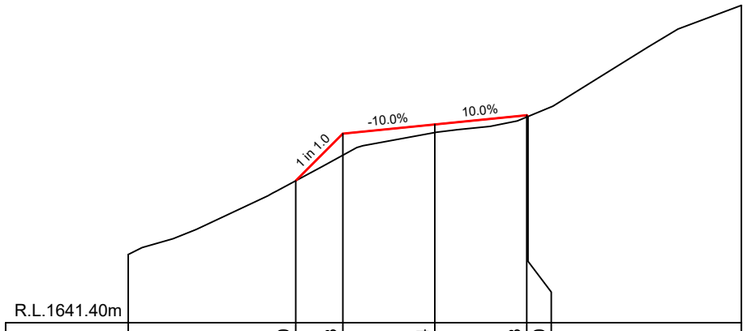
Ch 10.00 m



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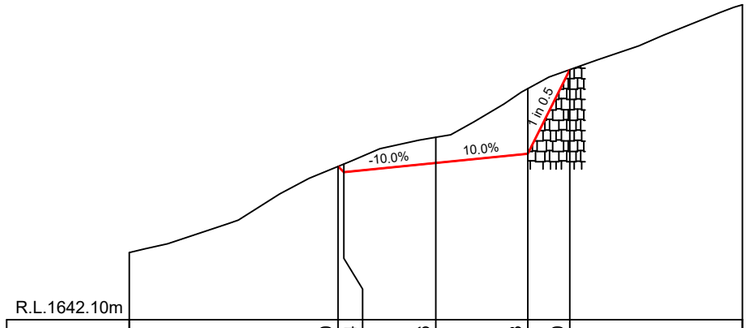
Ch 20.00 m



R.L.1642.10m

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Ch 36.21 m

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Project:

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Client: Vail Resorts (Perisher)

Drawing: Groomer Track Cross Sections - Sheet 1

Status: Client Review

Datum	Scale	Size
GDA2020/AHD	1:200H 1:200V	A3

Project Number	Sheet	Revision
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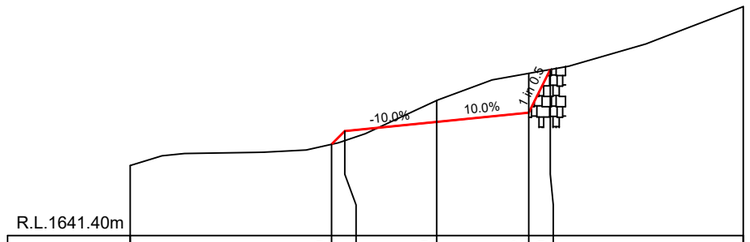

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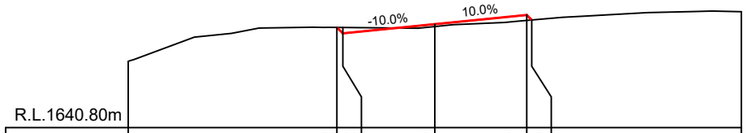
Ch 60.00 m



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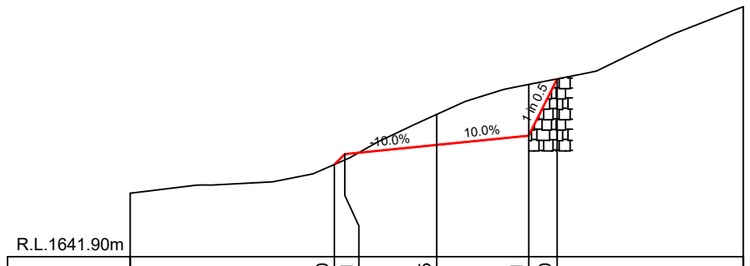
Ch 69.54 m



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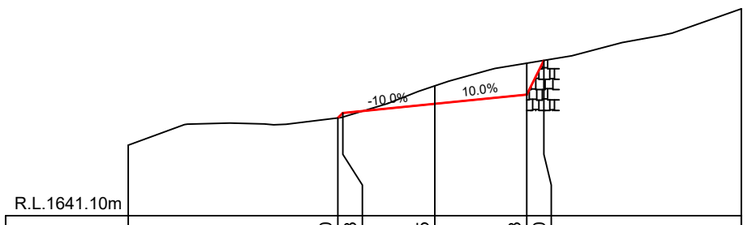
Ch 56.20 m



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Ch 63.11 m

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Client: Vail Resorts (Perisher)

Drawing: Groomer Track Cross Sections - Sheet 2

Status: Client Review

Datum	Scale	Size
GDA2020/AHD	1:200H 1:200V	A3

Project Number	Sheet	Revision
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Rev:	Date:	Description:
A	17/4/24	Client Review

Project:

Groomer Track above Guthega Nordic Centre
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Client: Vail Resorts (Perisher)

Drawing: Erosion and Sediment Control Plan

Status: Client Review

Datum	Scale	Size
GDA2020/AHD	1:200H 1:200V	A3

Project Number	Sheet	Revision
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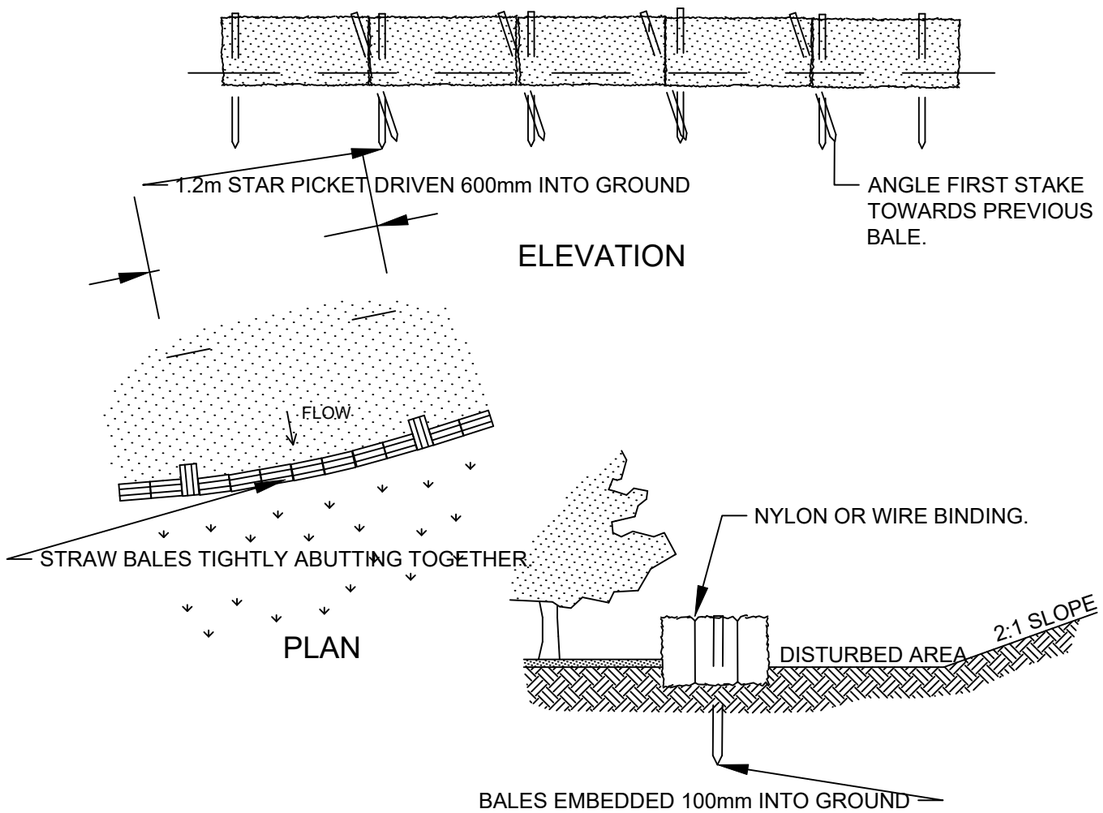
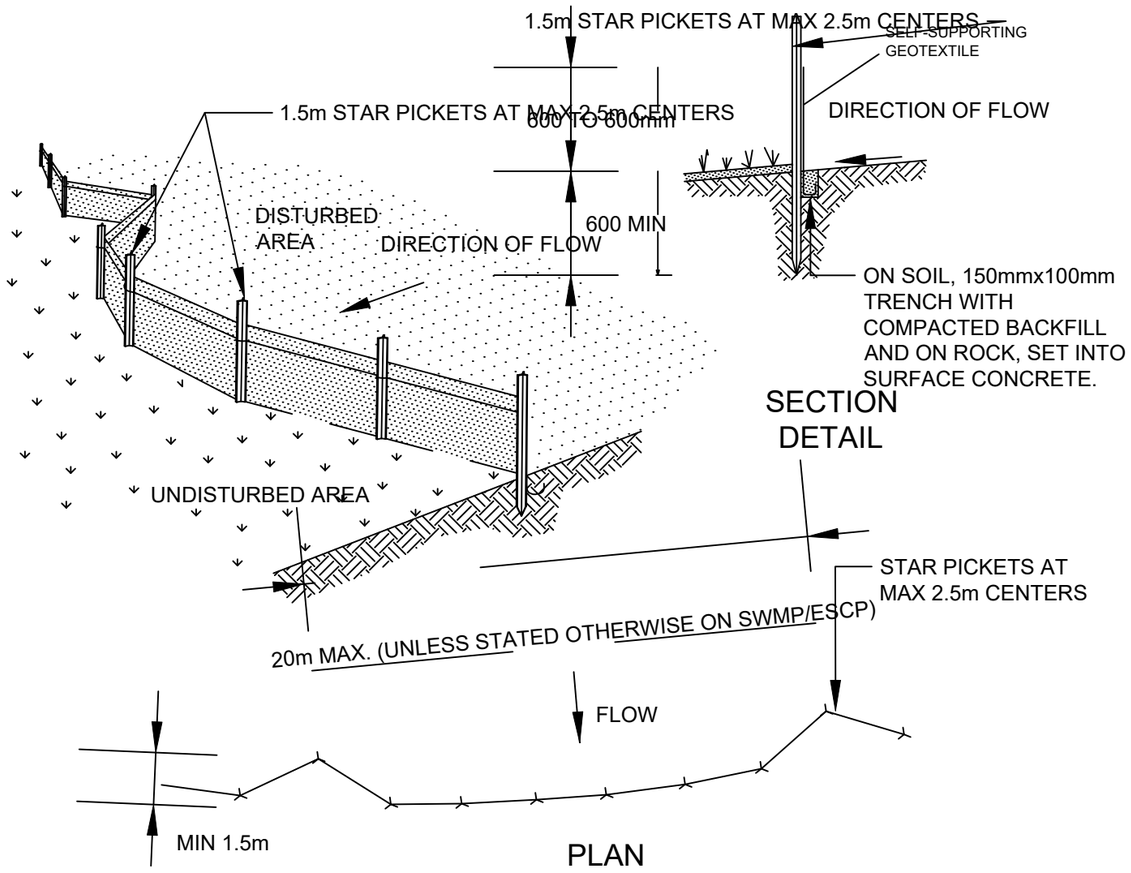


CONSTRUCTION NOTES

1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND.
3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 METRE STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm INTO THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACED 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED - THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.

STRAW BALE FILTER (SD 6-7)



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE (SD 6-8)

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Drawing: Erosion and Sediment Control Plan Details

Status: Client Review

Datum: GDA2020/AHD | Scale: 1:200H 1:200V | Size: A3

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