



Construction Documentation - How to Use Guide

Introduction

The following notes are intended to assist the contractor understand the organisation and structure of the Civile design documentation package. The package includes three separate documents that are cross referenced. These are the Plan Drawing Sheets, Construction Details and the Technical Specification. The contractor is required to refer to the three documents together to fully understand the construction intent. The project documentation package is organised into ten major categories [0000-9000] with a system of codes utilised to link major project components across the three documents.

Plan Drawing Sheets

The Drawing Sheets include the cover page, legend, key plan, and other general information. A key plan outlines the sheet boundaries with reference markers to the sheet. For each sheet, an Existing Site Plan, Demolition Plan, Levels and Contours Plan, Materials & Finishes Plan, Planting Plan, and Civil Plan are provided as required to enable construction. A consolidated legend on the second drawing sheet outlines the major components and their corresponding codes. The Drawing Sheets may also contain long sections and elevations. The drawing sheets can be printed at a reduced scale on A3 size for ease of use on site however the contractor should refer firstly to the original size sheets.

Construction Details

This A3 document contains enlarged details from the drawing sheets and 3D model. Details may be drawn in section, elevation, axonometric, or 3D format.

Technical Specification

This A4 document contains the material descriptions, build methodology, standards, environmental requirements and quality expectations of the procurement and construction process.

Documentation Categories

The project documentation is organised into ten major categories that are found in all the contract documents. This project may not utilise all categories. The general content of each category is as follows:

0000 General

Project Information, environmental performance, quality requirements, general materials requirements & demolition.

1000 Preparation, Groundworks & Drainage

Preparation & groundwork, earthworks, services trenching, drainage and soil works.

2000 Walls, Slabs + Edges

Vertical and horizontal structural elements.

3000 Pavements & Civil

Pedestrian and vehicular pavements.

4000 Site Structures

Unique structures that may be assembled from elements contained in other categories.

5000 Fences+ Rails

Fences, gates, balustrades, hand rails, grab rails and other barriers.

6000 Water Elements

Ponds, wetlands and water sensitive urban design elements.

7000 Furniture + Fittings

The palette of site furnishings including furniture, lighting, fittings and fixtures.

8000 Planting

Botanical material including trees, shrub understorey, ground covers, herbs, aquatic plants and grasses.

9000 Irrigation

Temporary and permanent automatic or manual watering systems.

Component Codes

To assist the contractor Civile uses a code system to describe the unique components contained in the package. These major components are called Types'. The ten documentation categories may contain a number of component 'Types'. For example, in the 2000 category the project may contain a number of wall 'Types'. A Wall Type will be documented in the 2000 category of the Construction Details whilst its physical attributes will be described in the Technical Specification. The location of all instances of the Wall Type will be indicated on the Drawing Sheets and its graphic properties described in the Drawing Sheets legend.

Site Set Out - Digital Files

Subject to copyright and if requested, Civile will make available a 2D or 3D digital design file to assist the contractor set out the works on site. The contractor should enquire with the Principal at tender stage to ascertain which types of file are available to assist with construction set out. The contractor is required to verify that any digital file provided by Civile is suitable for the intended use, has been translated correctly and is correctly geo-referenced prior to import into any device.

General Notes

The following notes apply to all the contract documents:

- All dimensions on the Drawing Sheets are in meters unless otherwise noted.
- All dimensions on the Construction Details are in millimeters unless otherwise noted.
- The contractor is not to scale from any printed drawing.
- The contractor must verify all dimensions on site and notify the Principal of any discrepancies prior to construction.
- The contractor must verify all existing services locations prior to excavation.

List of Drawings - The Glen (TG)

Dwg. No.	Sheet title	Scale	Revision	Date
TG-01	Cover Page	NA	B	24/06/2022
TG-02	Key Plan & Transmittal Schedule	NA	B	24/06/2022
TG-101	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-201	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-301	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-401	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-501	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-601	Existing Site Plan	1:200 @ A1	B	24/06/2022
TG-102	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-202	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-302	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-402	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-502	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-602	Demolition Plan	1:200 @ A1	B	24/06/2022
TG-103	Levels & Grading Plan	1:200 @ A1	B	24/06/2022
TG-203	Levels & Grading Plan	1:200 @ A1	B	24/06/2022
TG-303	Levels & Grading Plan	1:200 @ A1	B	24/06/2022
TG-303B	Levels & Grading Plan - Cut Fill	1:200 @ A1	B	24/06/2022
TG-403	Levels & Grading Plan	1:200 @ A1	B	24/06/2022
TG-503	Levels & Grading Plan	1:200 @ A1	B	24/06/2022
TG-603	Levels & Grading Plan	As shown	B	24/06/2022
TG-S01	Sections	As shown	B	24/06/2022
TG-S02	Sections	1:50@A1	B	24/06/2022
TG-104	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-204	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-304	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-404	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-504	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-604	Materials & Finishes Plan	1:200 @ A1	B	24/06/2022
TG-005	Planting Schedules	NTS	B	24/06/2022
TG-105	Planting Plan	1:200 @ A1	B	24/06/2022
TG-205	Planting Plan	1:200 @ A1	B	24/06/2022
TG-305	Planting Plan	1:200 @ A1	B	24/06/2022
TG-405	Planting Plan	1:200 @ A1	B	24/06/2022
TG-505	Planting Plan	1:200 @ A1	B	24/06/2022
TG-605	Planting Plan	1:200 @ A1	B	24/06/2022

DETAILS				
1001	Preparation & Groundworks	As shown	B	24/06/2022
1002	Preparation & Groundworks	As shown	B	24/06/2022
1003	Preparation & Groundworks	As shown	B	24/06/2022
2001	Walls & Edges	1:20 @ A3	B	24/06/2022
2002	Walls & Edges	1:10 @ A3	B	24/06/2022
2003	Walls & Edges	As shown	B	24/06/2022
2004	Walls & Edges	As shown	B	24/06/2022
3001	Pavement Types	1:10 @ A3	B	24/06/2022
3002	Pavement Types	1:10 @ A3	B	24/06/2022
3003	Pavement Types	1:50 @ A3	B	24/06/2022
3004	Pavement Types	As shown	B	24/06/2022
3011	Pavement Types	As shown	B	24/06/2022
3012	Pavement Types	As shown	B	24/06/2022
3013	Pavement Types	As shown	B	24/06/2022
4001	Crossing 01	As shown	B	24/06/2022
4002	Crossing 01	As shown	B	24/06/2022
4011	Crossing 02	As shown	B	24/06/2022
4012	Crossing 02	As shown	B	24/06/2022
4021	Crossing 03	As shown	B	24/06/2022
4022	Crossing 03	As shown	B	24/06/2022
4023	Crossing 03	As shown	B	24/06/2022
4031	Make good existing	NTS	B	24/06/2022
5001	Fence & Gate	1:25 @ A3	B	24/06/2022
7001	Furniture & Fittings	As shown	B	24/06/2022
7002	Furniture & Fittings	As shown	B	24/06/2022
8001	Planting	As shown	B	24/06/2022



LEGEND

DEMOLITION

- REMOVE TURF & PREPARE SUBGRADE
- AREAS FOR TOPSOIL / SPOIL MOUNDS
- DEMOLISH STRUCTURE & BASE
- DEMOLISH PAVEMENT & BASE
- RELOCATE EXISTING STRUCTURE
- DEMOLITION FENCE
- REMOVE EXISTING TREE

LEVELS & GRADING

- CONTOURS MAJOR (1.00m INTERVALS)
- CONTOURS MINOR (0.25m INTERVALS)
- FINISH LEVELS
- EXISTING LEVELS

MATERIALS & FINISHES

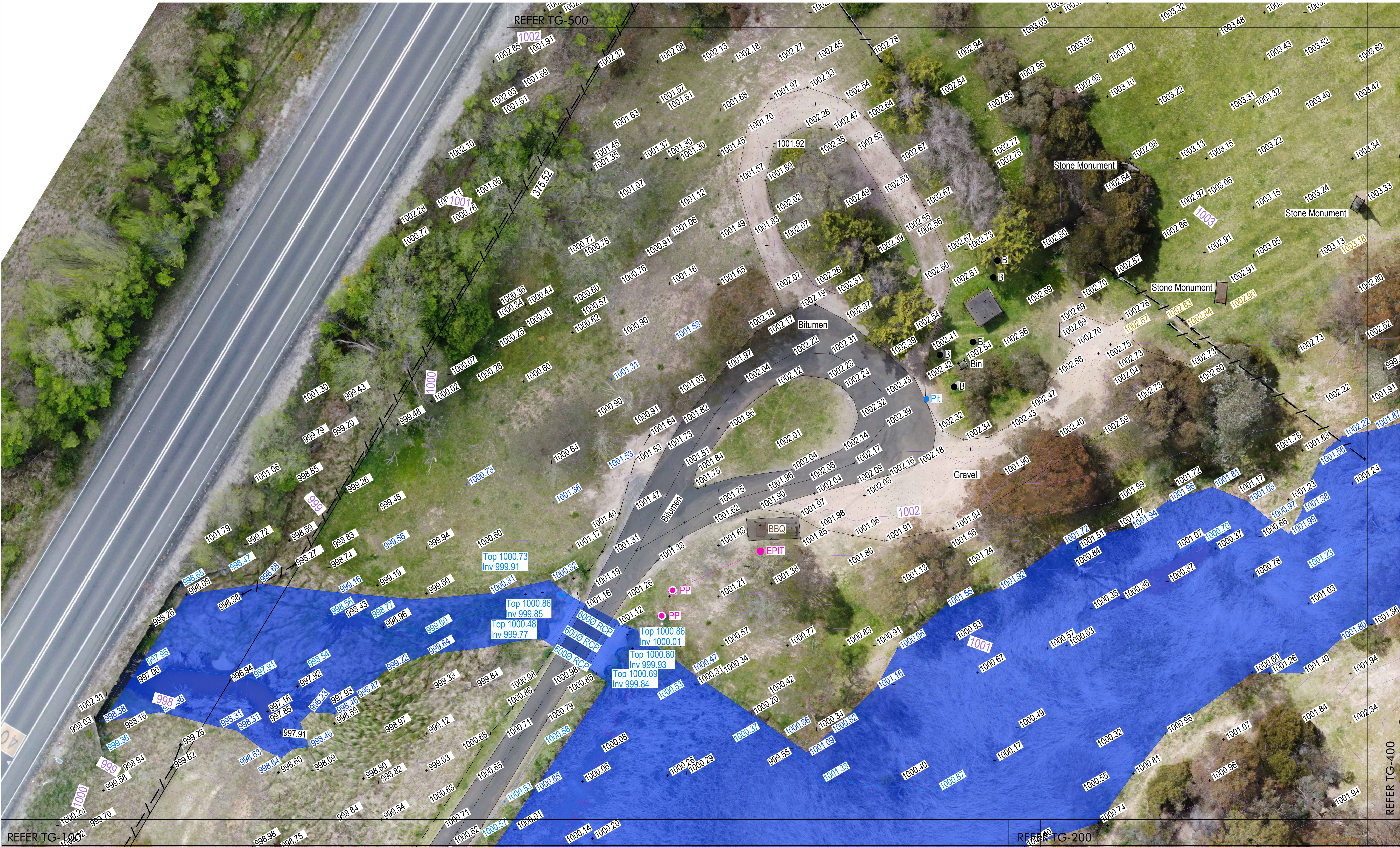
- SOIL MEDIA TYPE 1 - TURF
- SOIL MEDIA TYPE 2 - NATURAL SOIL
- SOIL MEDIA TYPE 3 - SWALE
- SOIL MEDIA TYPE 4 - ORGANIC MULCH
- EDGE TYPE 1 - WHEEL STOP
- EDGE TYPE 2 - 150mm STANDARD KERB
- WALL TYPE 1 - GRANITE GRANITE BLOCKS
- PAVING TYPE 1A - CONCRETE PAVEMENT PED. (ON GRADE)
- PAVING TYPE 1B - CONCRETE PAVEMENT PED. (ON CUT)
- PAVING TYPE 1C - CONCRETE PAVEMENT PED. (ON FILL)
- PAVING TYPE 2A - ASPHALT PAVEMENT VEH. (ON GRADE)
- PAVING TYPE 2B - ASPHALT PAVEMENT VEH. (ON CUT)
- PAVING TYPE 2C - ASPHALT PAVEMENT VEH. (ON FILL)
- FURNITURE TYPE 1 - PARK BENCH
- KERB RAMP TYPE 1 - STANDARD KERB RAMP
- BOULDERS

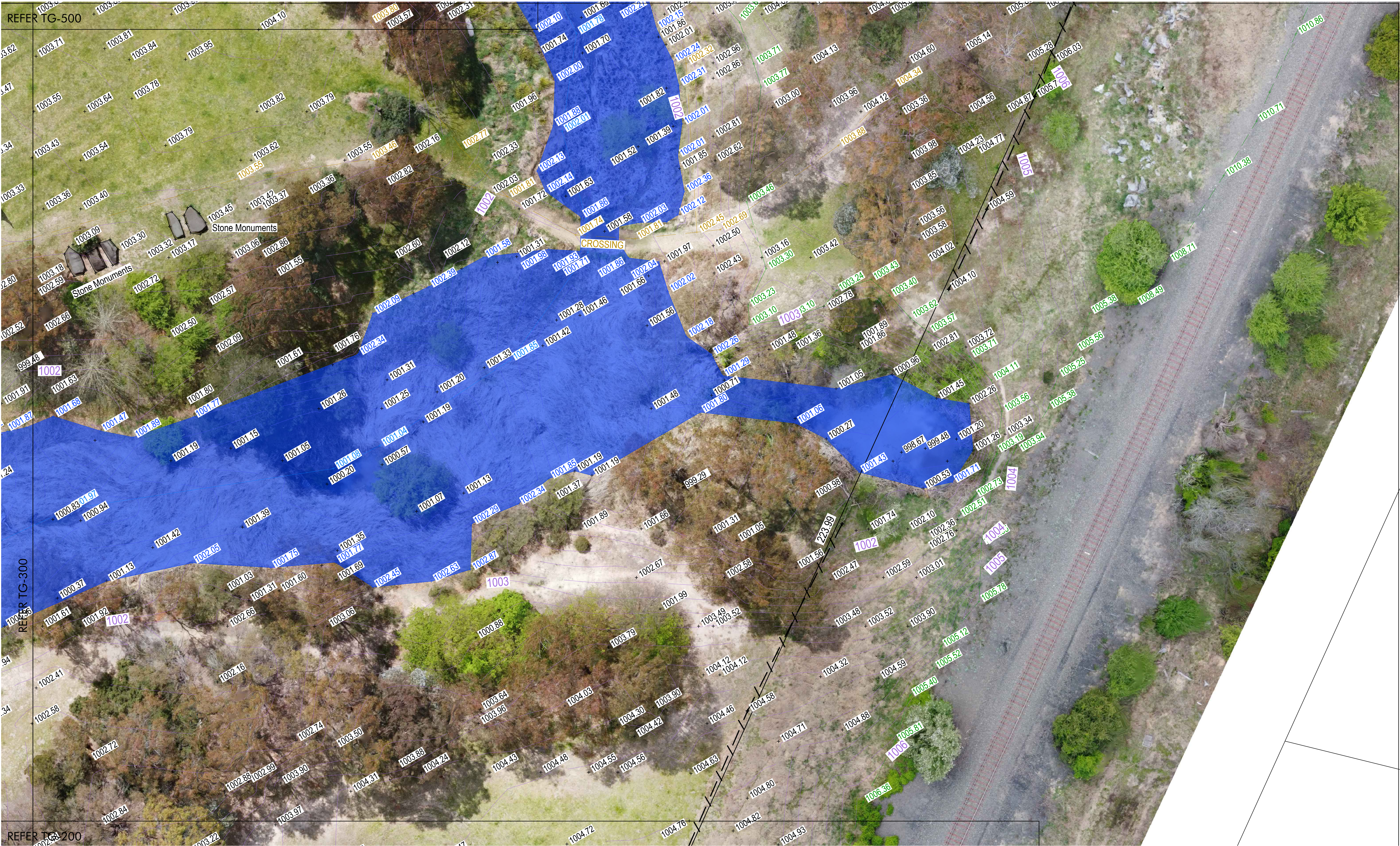
PLANTING

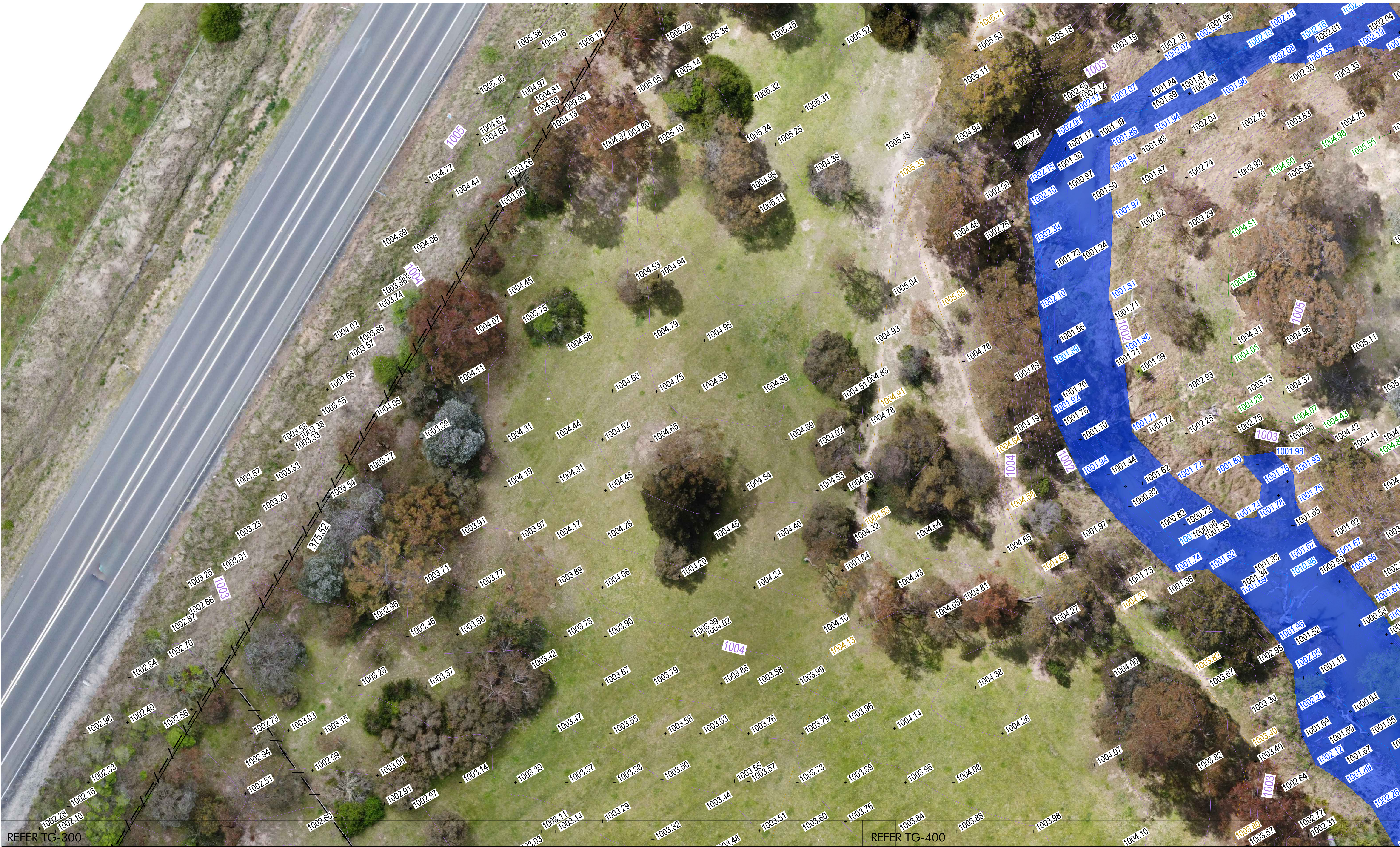
- TURF
- SWALE PLANTING
- NATIVE MASSED PLANTING 1
- NATIVE MASSED PLANTING 2
- TREE PROPOSED







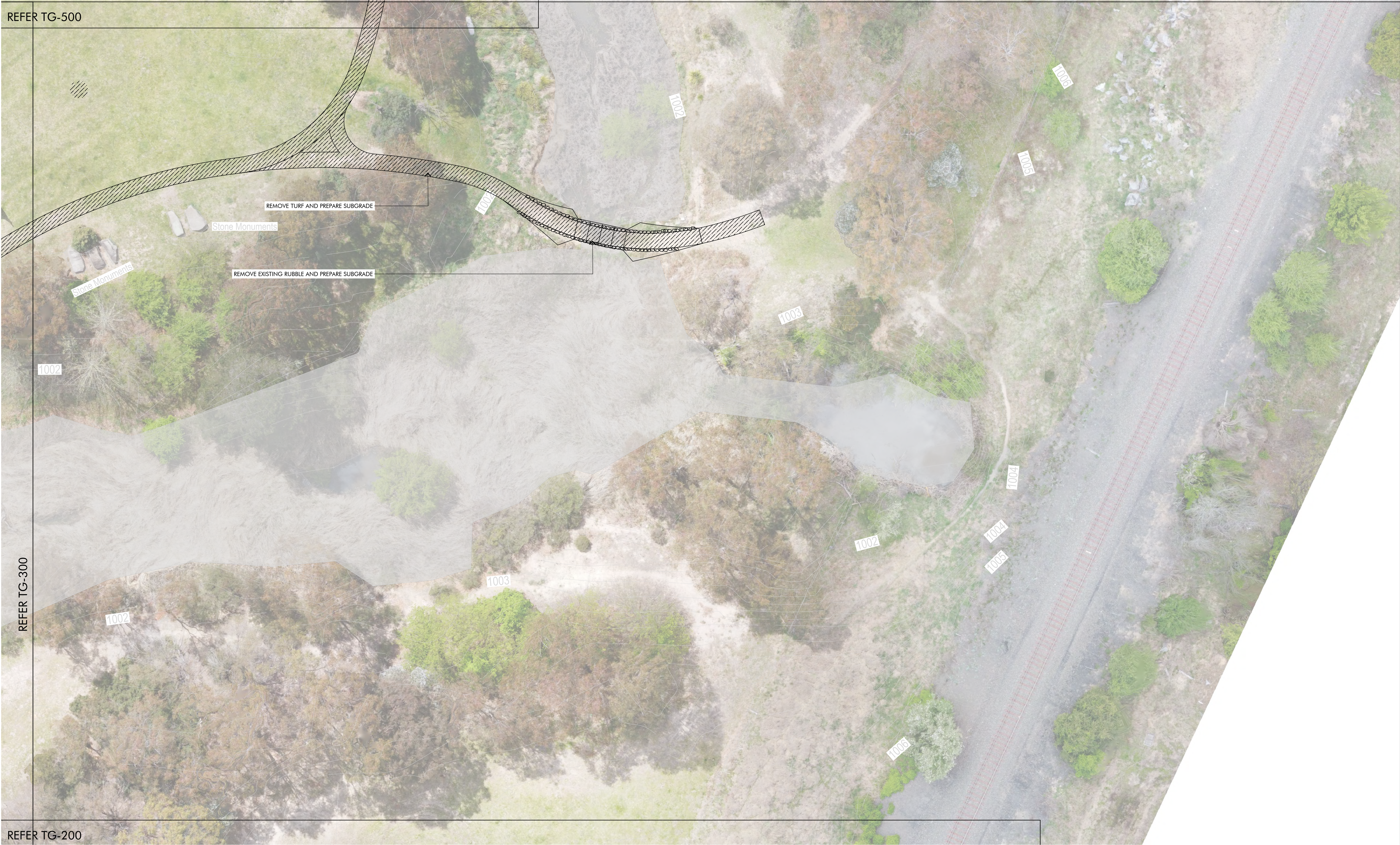






REFER TG-600





Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.

North

Phase
Tender Documentation

Sheet Title
Demolition Plan

Sheet No.
TG-402



REFER TG-300

REFER TG-400

Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale	
1:200 @ A1 / 1:400 @ A3	
All dimensions are in metres unless otherwise noted. Do not scale from this drawing.	



Issue Log			
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B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

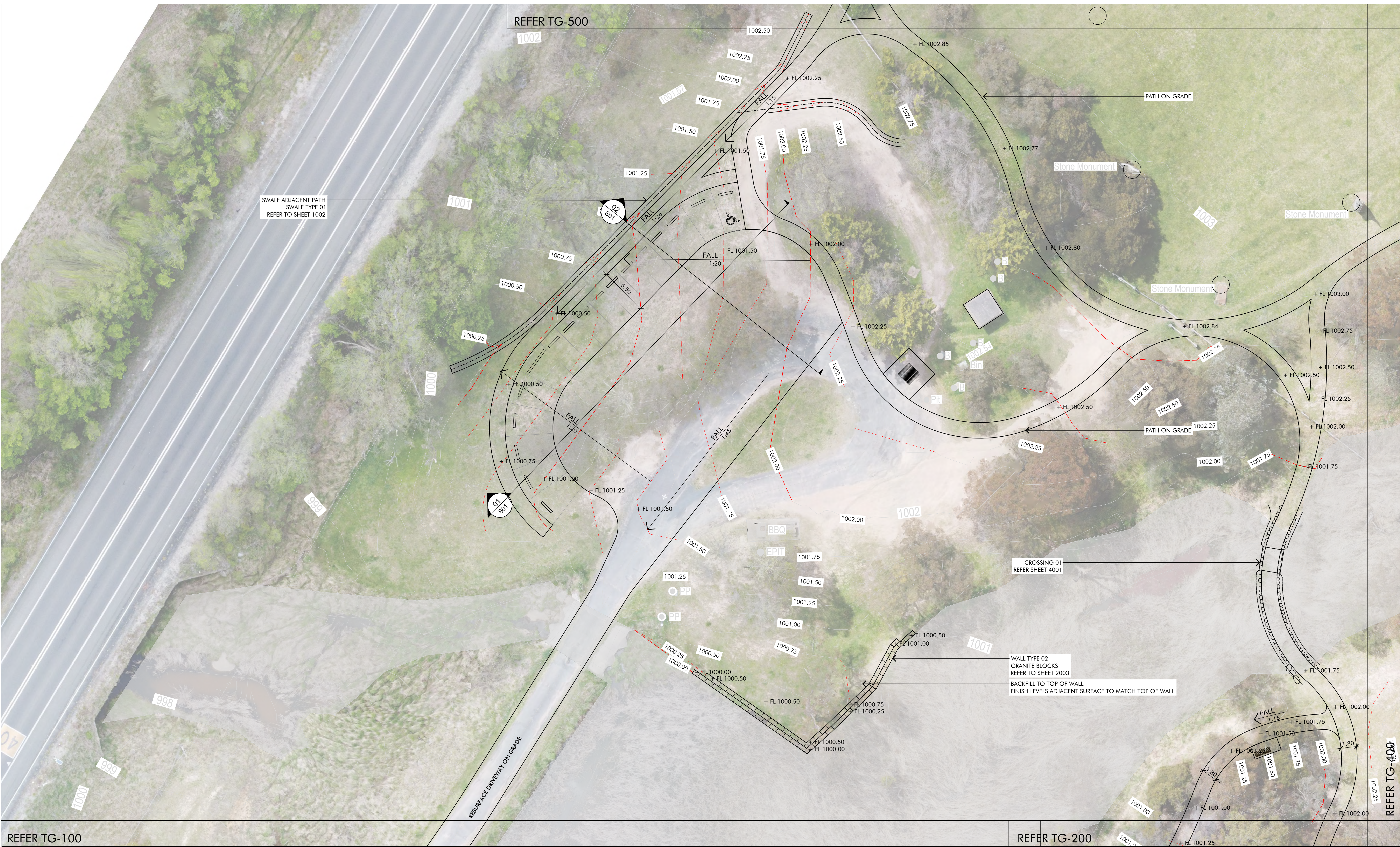
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1:200 @ A1 / 1:400 @ A3

0 2 4 10m

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.

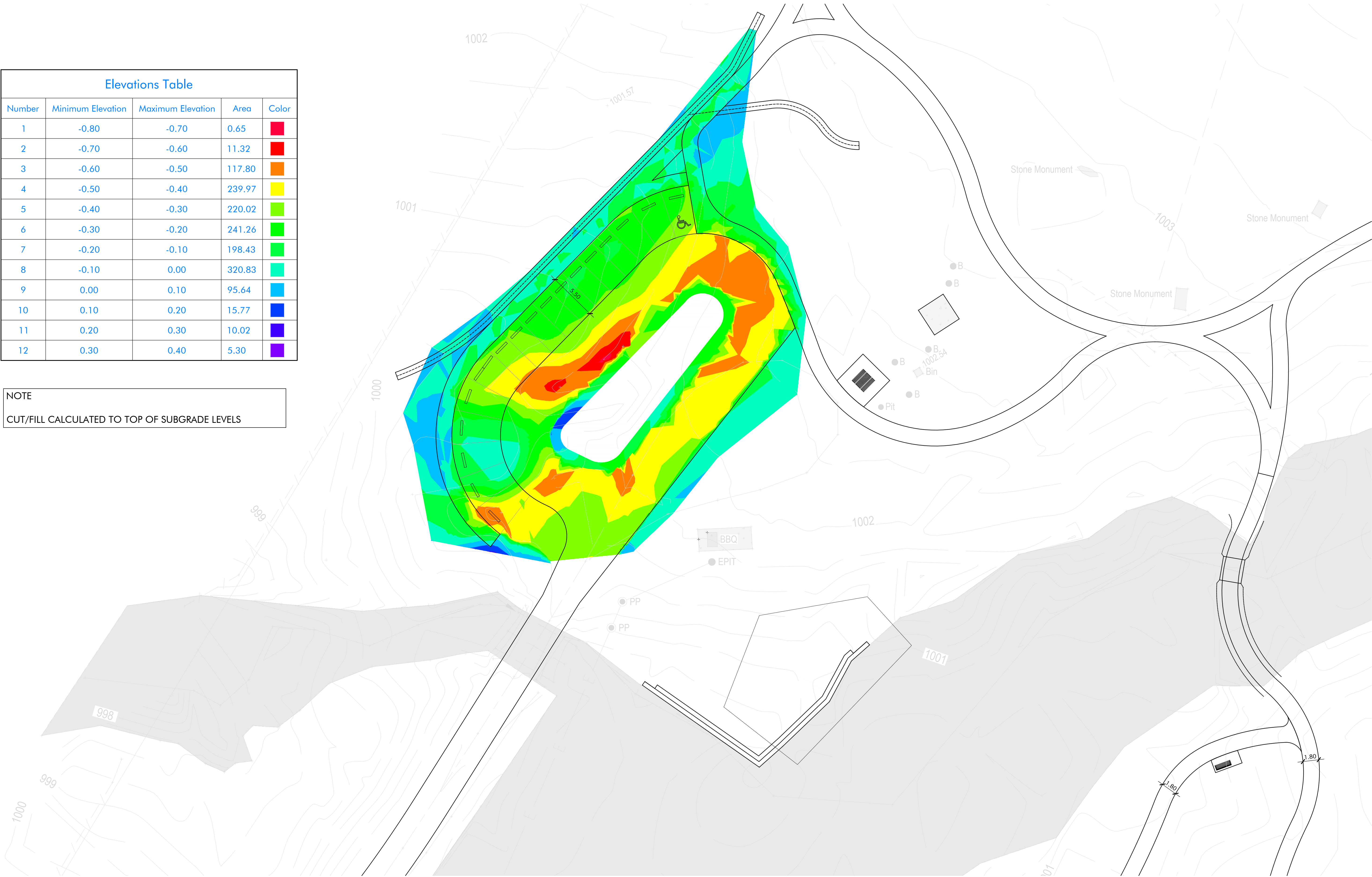






Elevations Table				
Number	Minimum Elevation	Maximum Elevation	Area	Color
1	-0.80	-0.70	0.65	Red
2	-0.70	-0.60	11.32	Red
3	-0.60	-0.50	117.80	Orange
4	-0.50	-0.40	239.97	Yellow
5	-0.40	-0.30	220.02	Light Green
6	-0.30	-0.20	241.26	Green
7	-0.20	-0.10	198.43	Green
8	-0.10	0.00	320.83	Cyan
9	0.00	0.10	95.64	Blue
10	0.10	0.20	15.77	Dark Blue
11	0.20	0.30	10.02	Dark Purple
12	0.30	0.40	5.30	Purple

NOTE
CUT/FILL CALCULATED TO TOP OF SUBGRADE LEVELS



Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.

North

Phase
Tender Documentation

Sheet Title
Levels & Grading Plan - Cut & Fill Diagram

Sheet No.
TG-303B

Rev
B

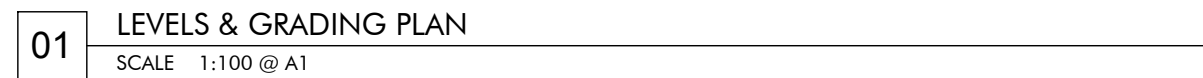


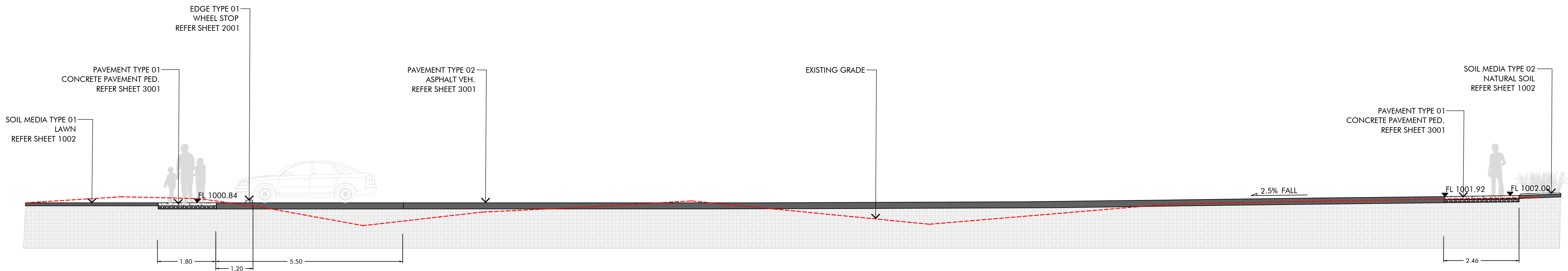
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A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

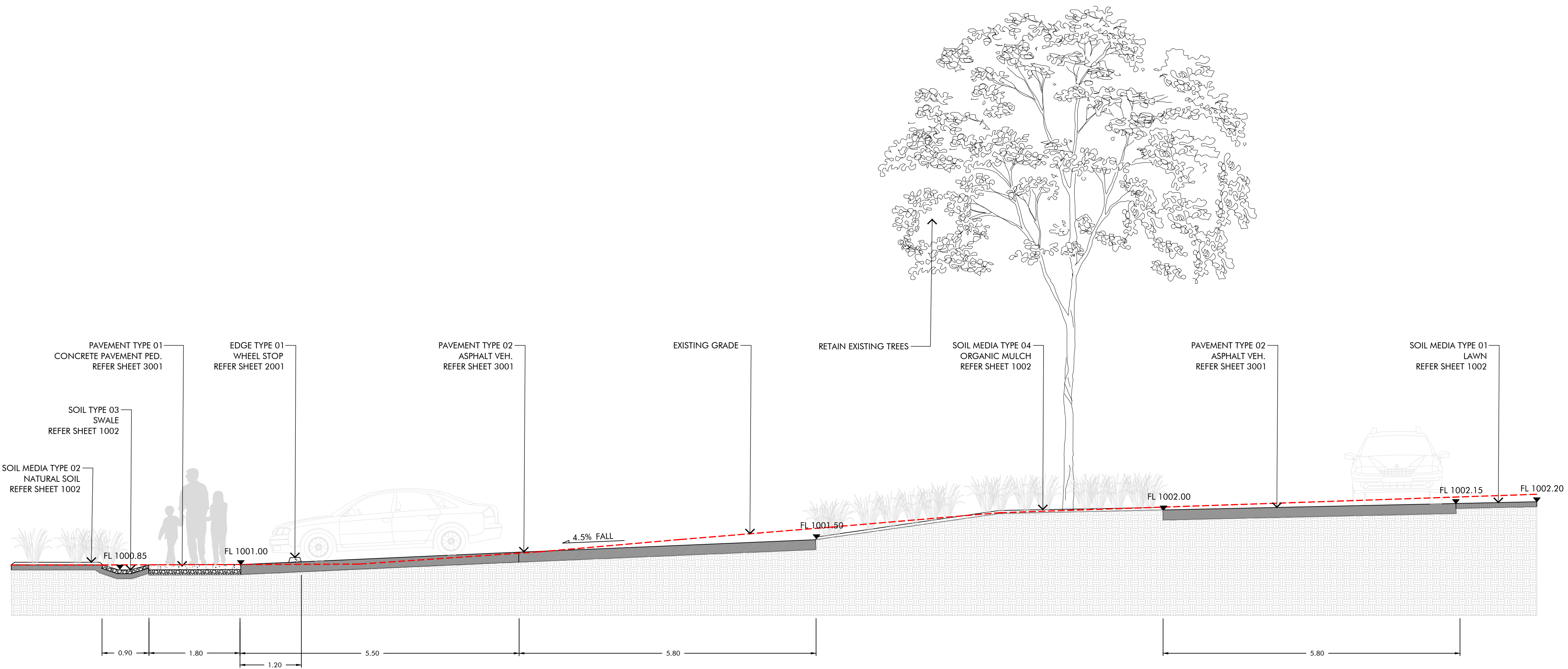
0 2 4 10m

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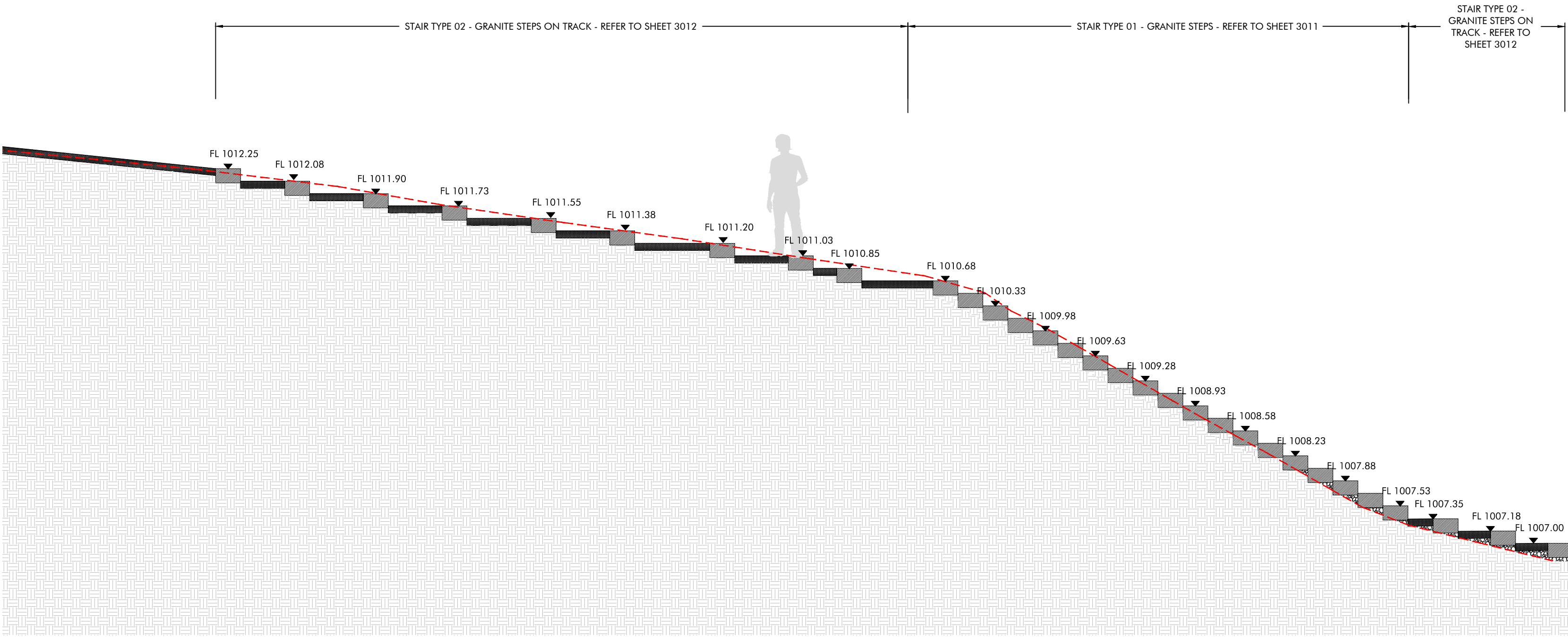




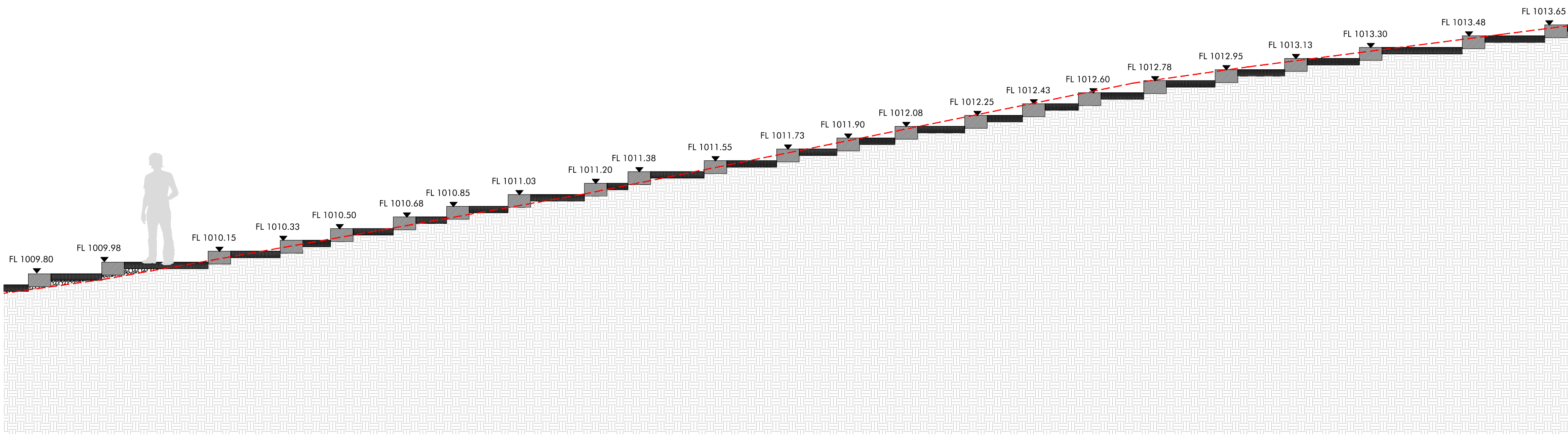
01 SECTION 01
SCALE 1:75 @ A1



02 SECTION 02
SCALE 1:50 @ A1



03 SECTION 3 - STAIRS (IN THE NORTH OF THE GLEN - WEST OF CREEK)
SCALE 1:50 @ A1



03 SECTION 4 - STAIRS (IN THE NORTH OF THE GLEN - EAST OF CREEK)
SCALE 1:50 @ A1

Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
As shown
All dimensions are in metres unless otherwise noted. Do not scale from this drawing.



Phase
Tender Documentation
Sheet Title
Levels & Grading Plan
Sheet No.
TG-S02



Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

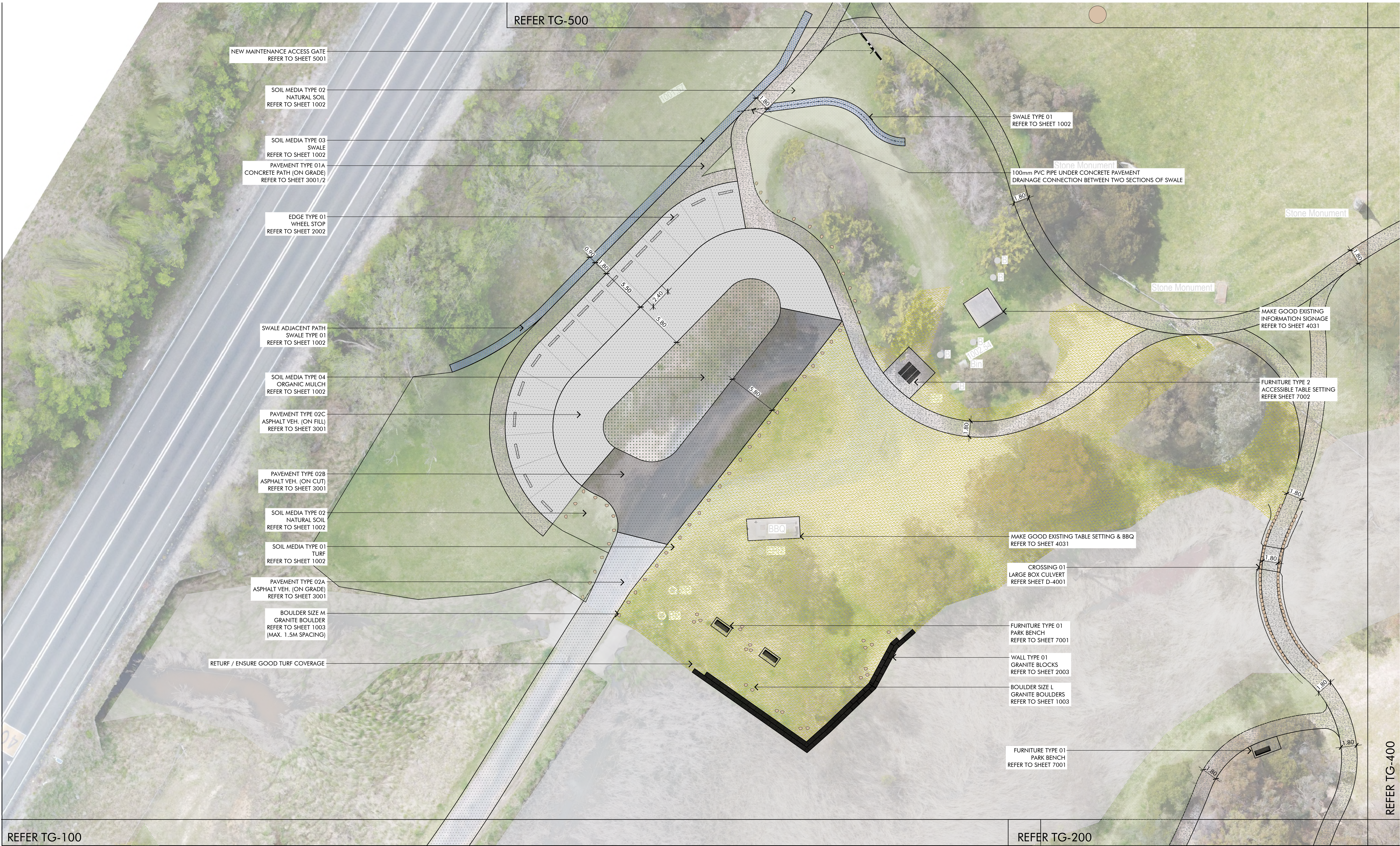
Scale
1:200 @ A1 / 1:400 @ A3

0 2 4 10m

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.



Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date





Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

0 2 4 10m

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Do not scale from this drawing.



NOTE
PATHWAY TO STAY OUTSIDE SCULPTURES



Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

0 2 4 10m

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Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:100 @ A1 / 1:200 @ A3

0 1 2 5m

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.

North
⬆

Phase
Tender Documentation

Sheet Title
Materials & Finishes Plan

Sheet No.
TG-604

PLANTING SCHEDULE

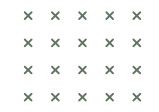
The Glen Lawn - Kikuyu		Total area (m2) =		1660
The Glen Avenue Trees - Populus nigra 'Italica' (10 trees, 200L size)				
The Glen Native Grasses Mix 1 (3 plants per m sq, tubestock)				
Total area (m2) =		2276		
PCT	Species	Growth form	% of mix	total plants (tube)
510	<i>Themeda australis</i>	Grass	20%	2276
510	<i>Poa sieberiana</i>	Grass	15%	1707
510	<i>Austrostipa stipoides</i>	Grass	15%	1707
510	<i>Chrysocephalum apiculatum</i>	Groundcover	10%	1138
510	<i>Goodenia pinnatifida</i>	Groundcover	10%	1138
510	<i>Hypericum gramineum</i>	Groundcover	10%	1138
510	<i>Vittadinia muelleri</i>	Groundcover	10%	1138
510	<i>Wahlenbergia spp.</i>	Gruondcover	10%	1138
			100%	11380
The Glen Native Grasses and Trees Mix				
1 tree per m sq, 140mm pots + 2 grasses per m sq, tubestock				
Total area (m2) =		8910		
PCT	Species	Growth form	% of mix	total trees (pots)
510	<i>Eucalyptus albens</i>	Tree	10%	891
510	<i>Eucalyptus melliodora</i>	Tree	10%	891
510	<i>Eucalyptus Blakelyi</i>	Tree	10%	891
510	<i>Eucalyptus bridgesiana</i>	Tree	10%	891
510	<i>Eucalyptus polyanthemos</i>	Tree	10%	891
510	<i>Eucalyptus youmanii</i>	Tree	10%	891
510	<i>Eucalyptus goniocalyx</i>	Tree	10%	891
510	<i>Eucalyptus rubida</i>	Tree	10%	891
510	<i>Eucalyptus moluccana</i>	Tree	10%	891
510	<i>Eucalyptus macrorhyncha</i>	Tree	10%	891
510	<i>Themeda australis</i>	Grass	20%	3564
510	<i>Poa sieberiana</i>	Grass	15%	2673
510	<i>Austrostipa stipoides</i>	Grass	15%	2673
510	<i>Chrysocephalum apiculatum</i>	Groundcover	10%	1782
510	<i>Goodenia pinnatifida</i>	Groundcover	10%	1782
510	<i>Hypericum gramineum</i>	Groundcover	10%	1782
510	<i>Vittadinia muelleri</i>	Groundcover	10%	1782
510	<i>Wahlenbergia spp.</i>	Gruondcover	10%	1782
The Glen Swale Planting Mix (5 plants per m sq, tubestock)				
Total area (m2) =		68		
PCT	Species	Growth form	% of mix	total plants (tube)
-	<i>Ficinia nodosa</i>	Rush	25%	85
-	<i>Ghania clarkei</i>	Sedge	25%	85
-	<i>Poa affinis</i>	Grass	25%	85
-	<i>Themeda australis</i>	Grass	25%	85
			100%	340

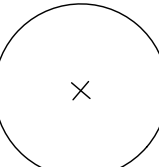
LEGEND PLANTING PLAN

TURF

SWALE PLANTING

NATIVE MASSED PLANTING 1 - NATIVE GRASSES MIX

NATIVE MASSED PLANTING 2 - NATIVE TREES & GRASSES MIX

TREE PROPOSED



Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

0 2 4 10m

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.





Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

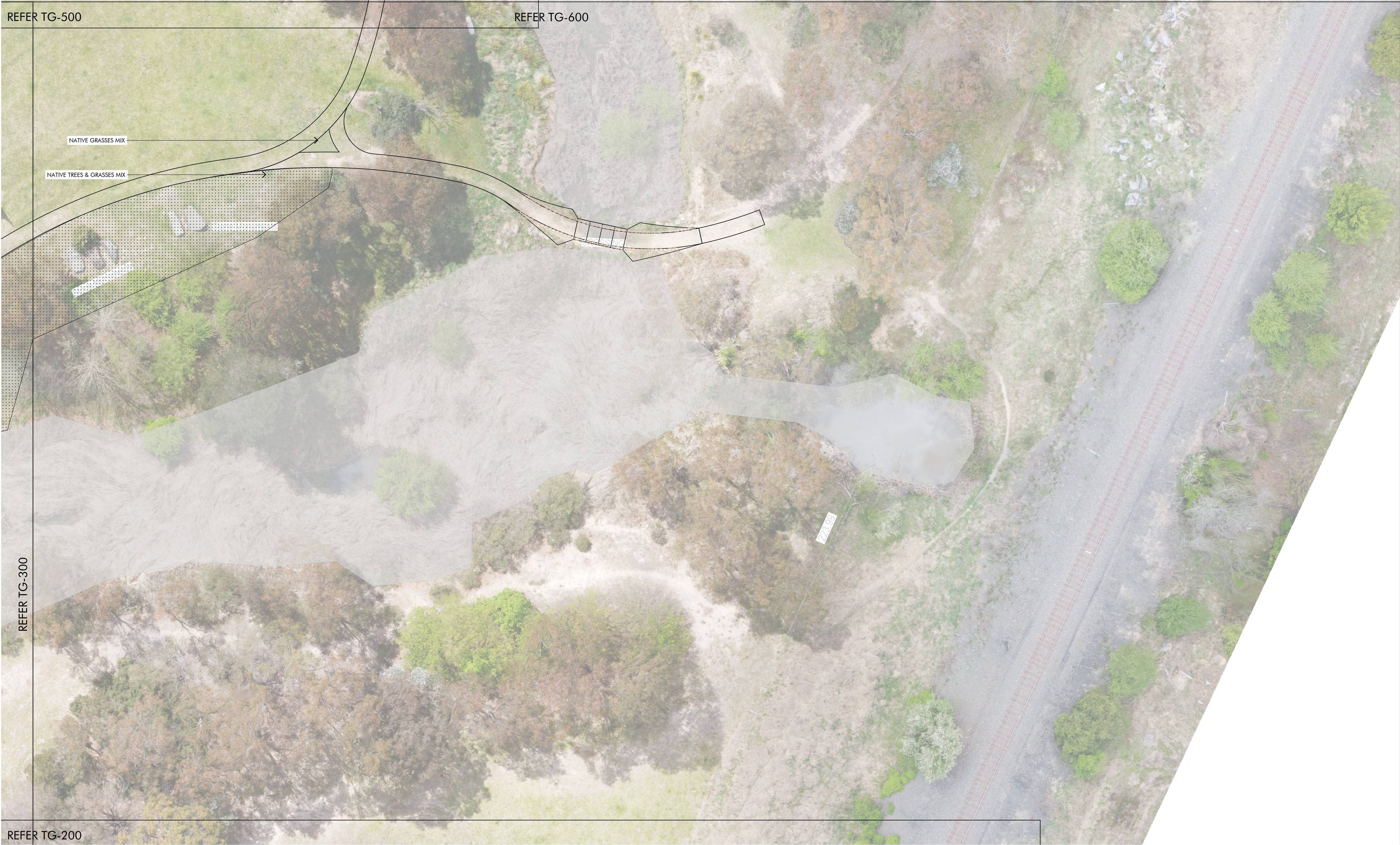


All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.



Phase
Tender Documentation
Sheet Title
Planting Plan
Sheet No.
TG-205





Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
1:200 @ A1 / 1:400 @ A3

0 2 4 10m

All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.

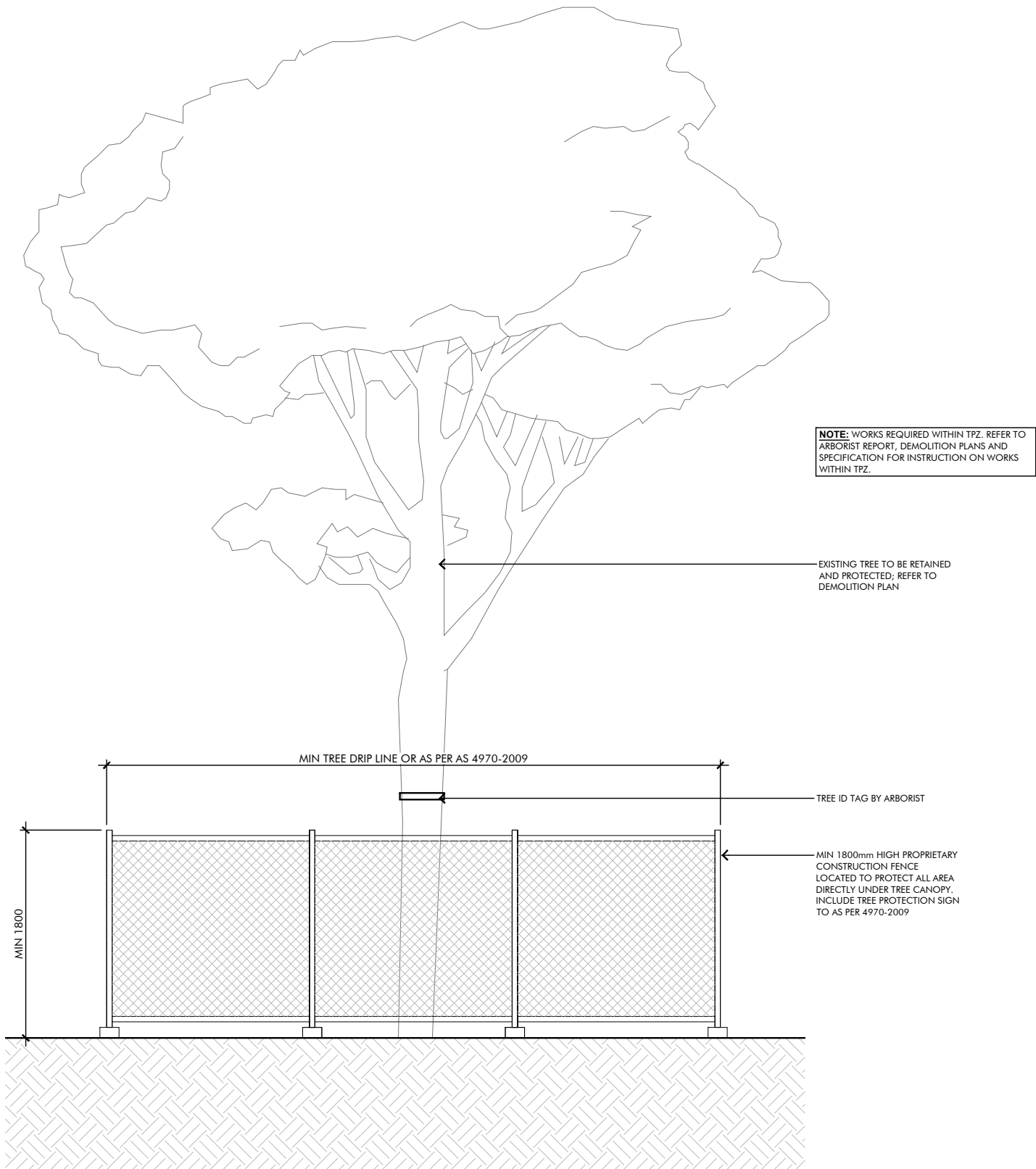




Issue Log			
A	Draft for review	JV/DK	13/05/2022
B	Final Draft	JV/DK	24/06/2022
Rev	Description	By/Checked	Date

Scale
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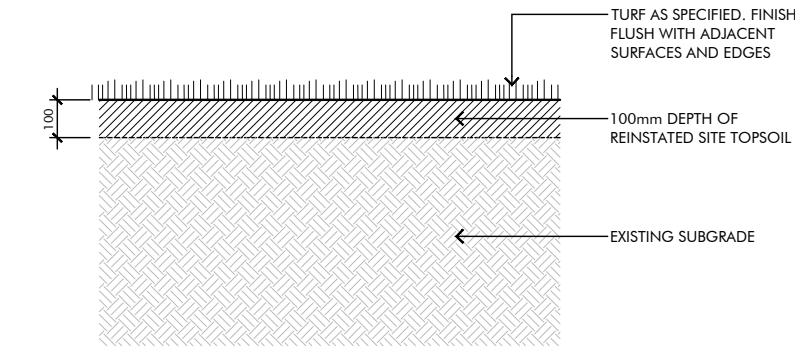
All dimensions are in metres unless otherwise noted.
Do not scale from this drawing.



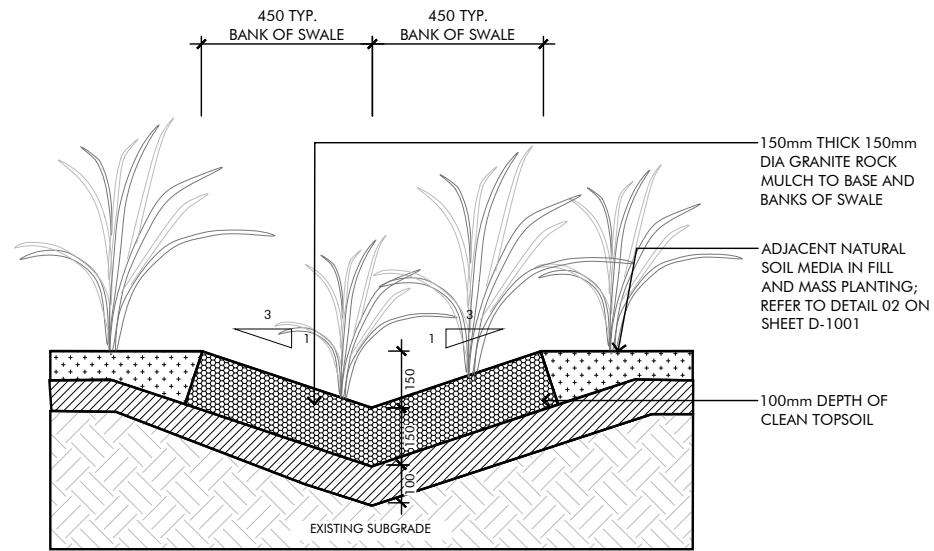
A EXISTING TREE PROTECTION DETAIL
1:50 @ A3



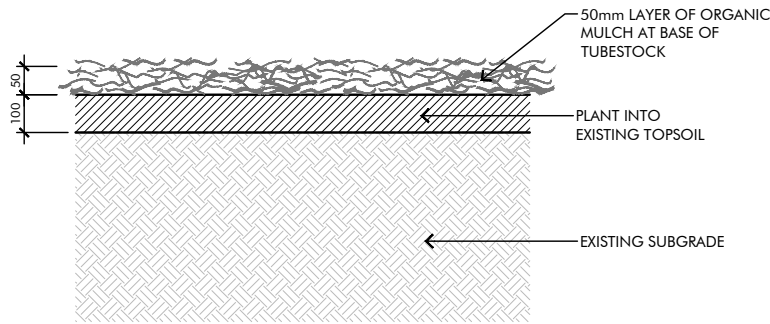
B REFERENCE IMAGE OF TRUNK PROTECTION
NTS



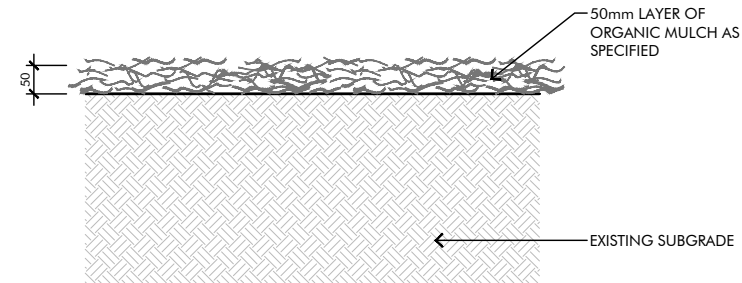
01 SOIL MEDIA TYPE 1 - TURF
1:10 @ A3



03 SOIL MEDIA TYPE 3 - SWALE
1:20 @ A3

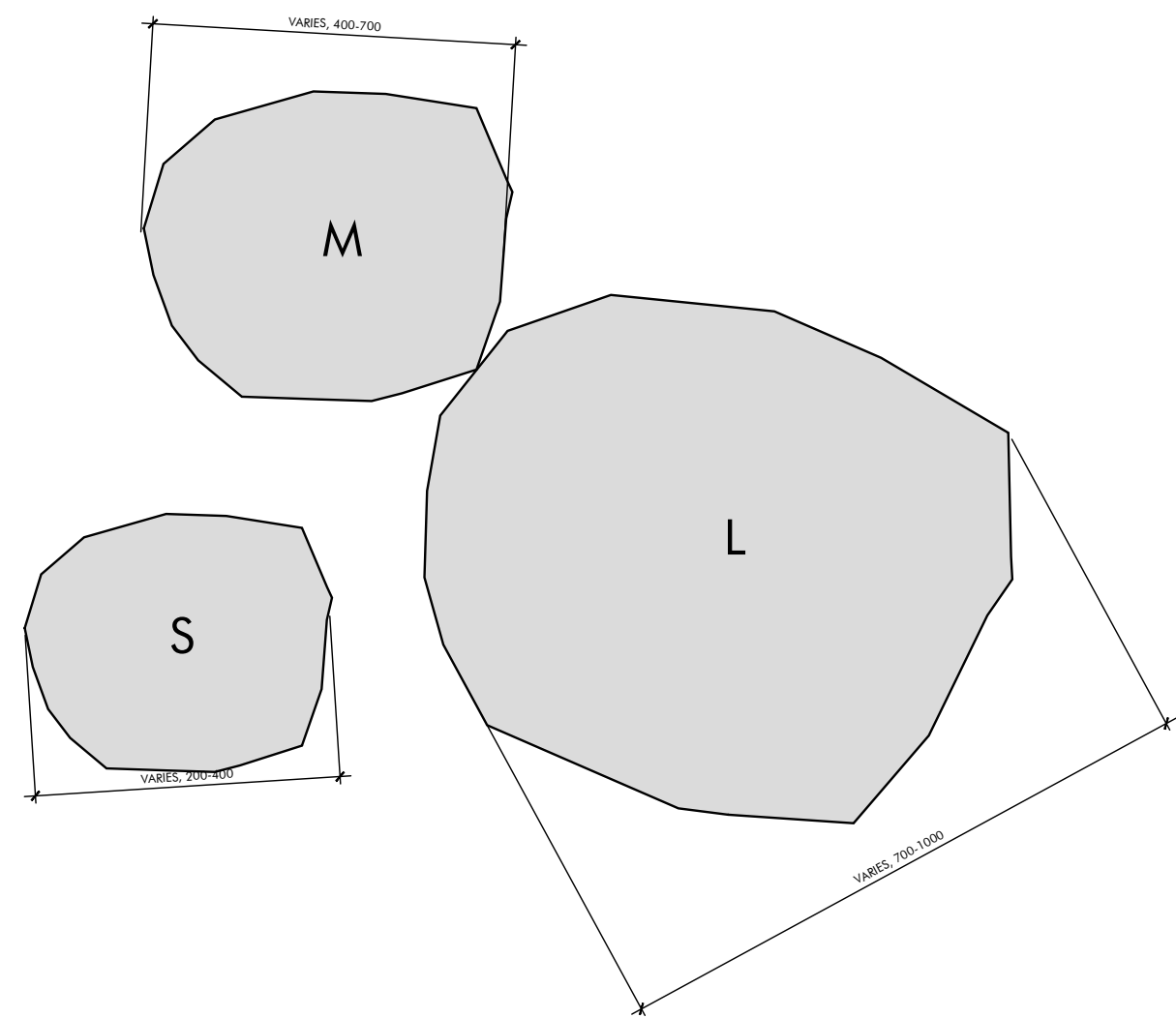


02 SOIL MEDIA TYPE 2 - NATURAL SOIL MEDIA
1:10 @ A3

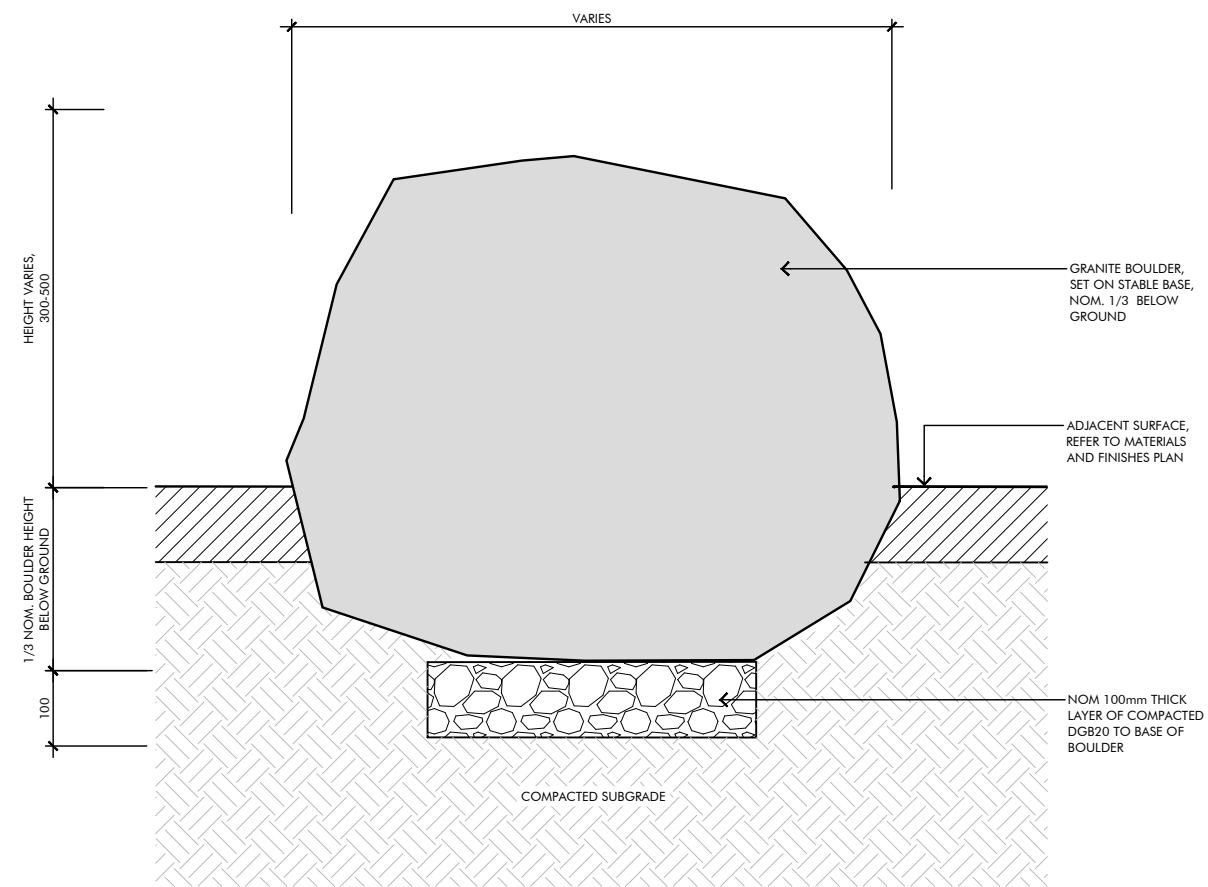


04 SOIL MEDIA TYPE 4 - ORGANIC MULCH
1:10 @ A3

- BOULDERS GENERAL NOTES:**
- BOULDERS VARY IN SIZE:
LARGE (L): 700-1000mm x MAX 500mm HIGH
MEDIUM (M): 400-700mm x MAX 400mm HIGH
SMALL (S): 200-400mm x MAX 400mm HIGH
 - BOULDERS TO BE IN GROUPS OF 5 OR 3:
5 BOULDER GROUP = 2 LARGE, 2 MEDIUM, 1 SMALL
3 BOULDER GROUP = 1 LARGE, 1 MEDIUM, 2 SMALL
 - IN EACH GROUP ONE MEIDUM BOULDER SHALL HAVE A FLAT TOP TO FORM INCIDENTAL SEATING.
 - ALL BOULDERS TO BE LOCATED A MIN 500mm FROM EDGE OF PATHWAYS. REFER TO MATERIALS AND FINISHES PLANS FOR LOCATION.

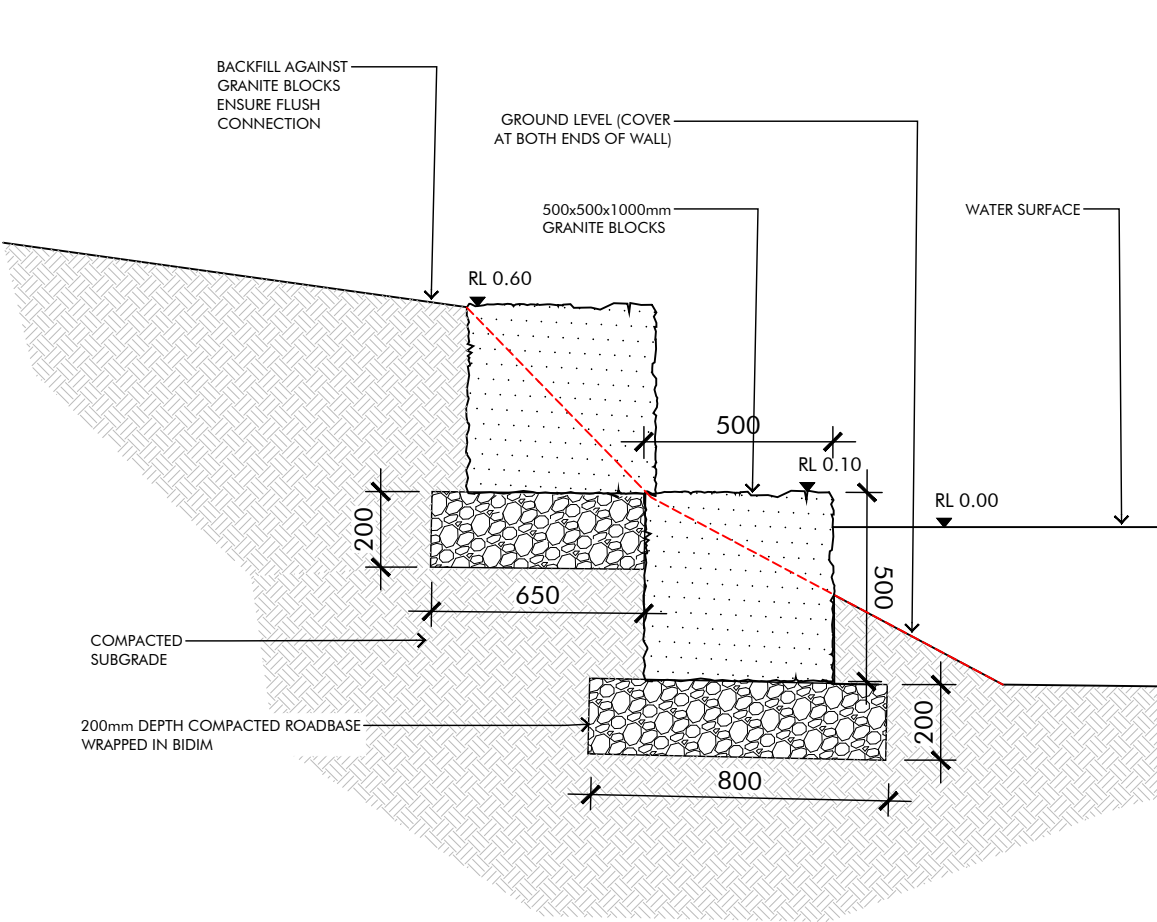


A SANDSTONE BOULDERS - TYPICAL PLAN
1:10 @ A3

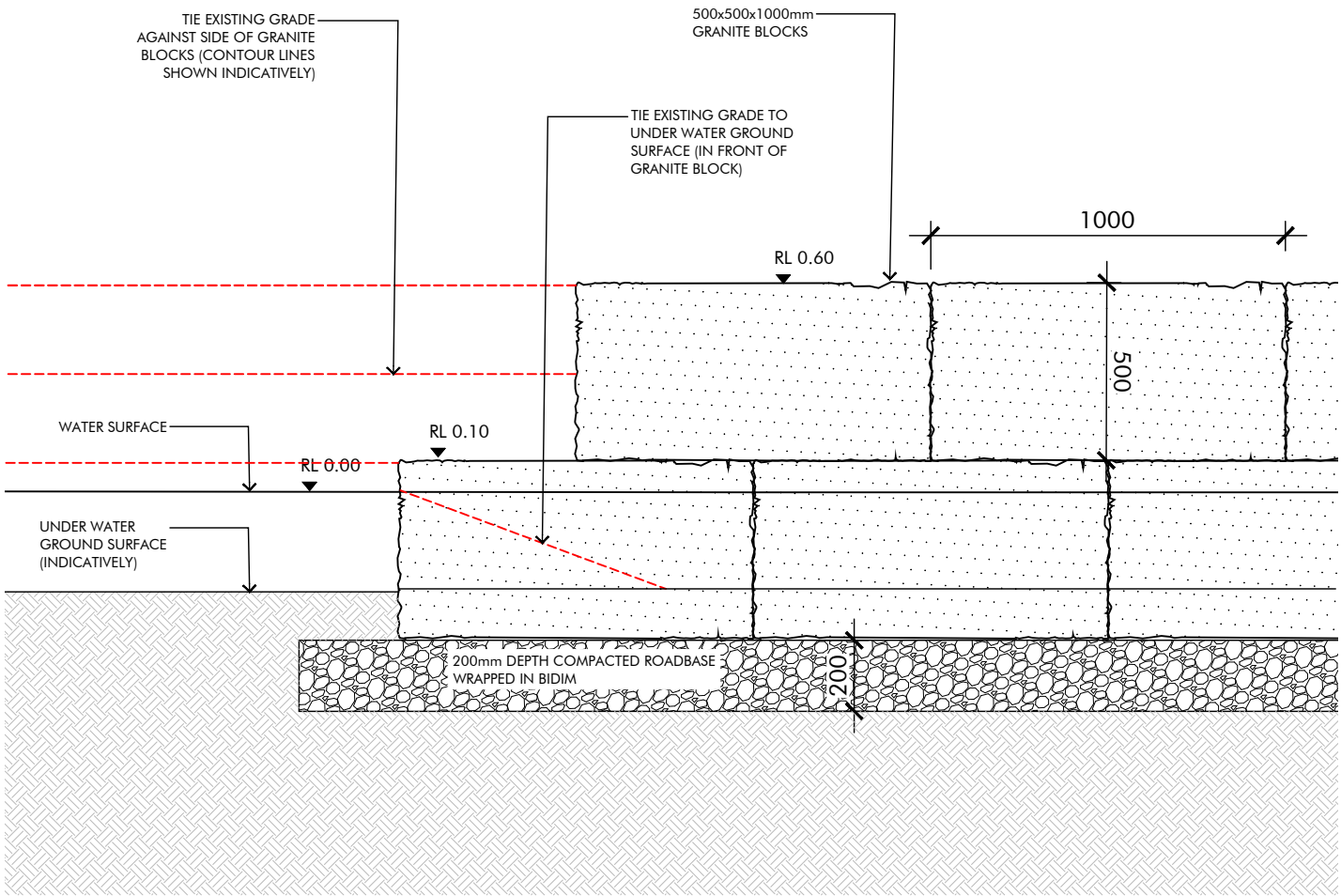


B SANDSTONE BOULDERS - TYPICAL SECTION
1:10 @ A3

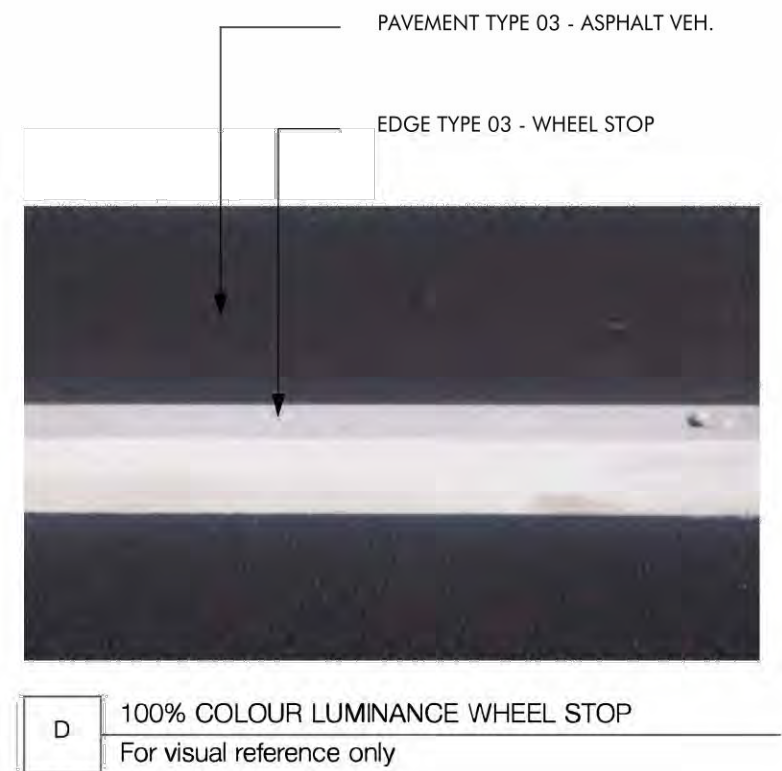
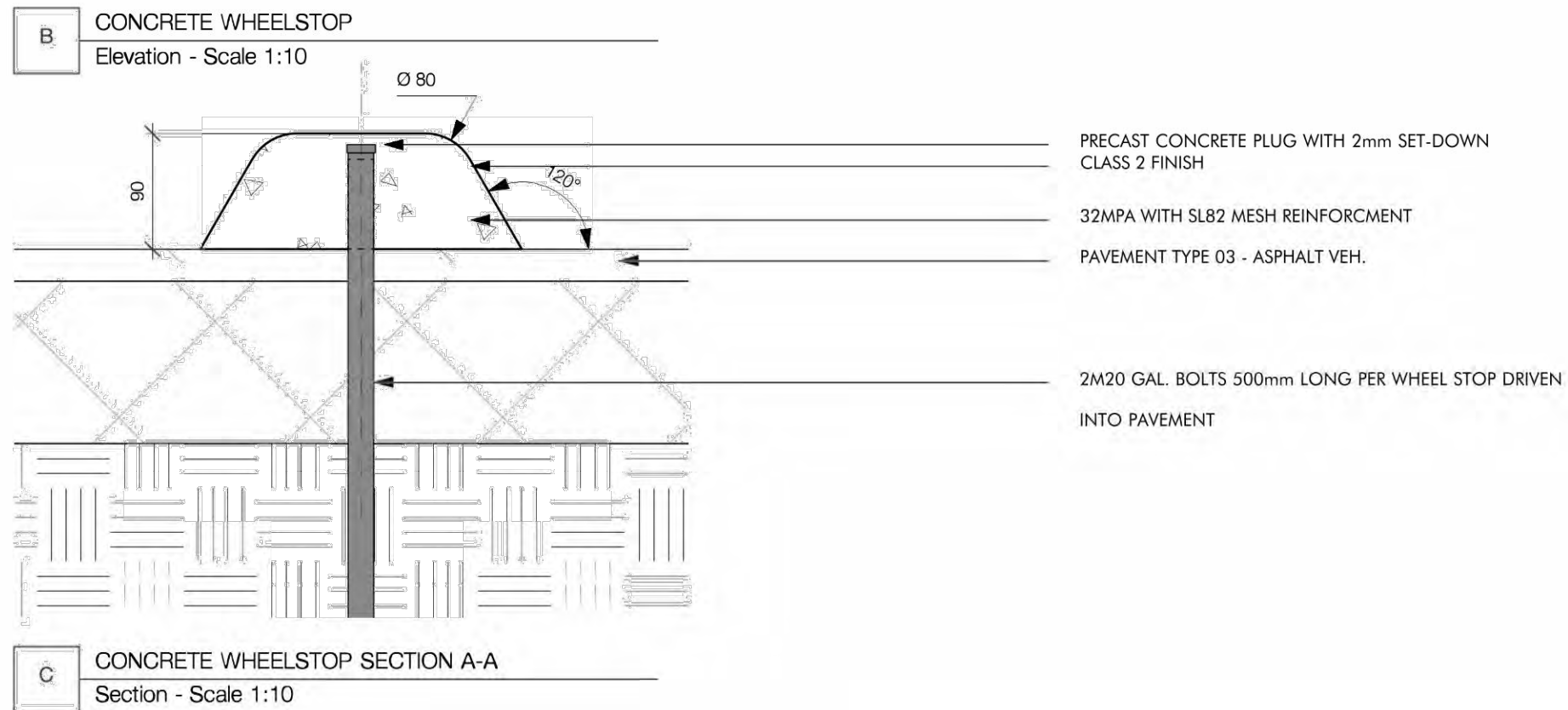
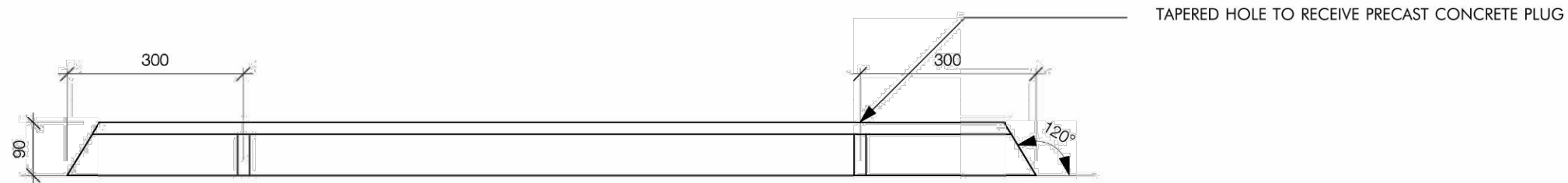
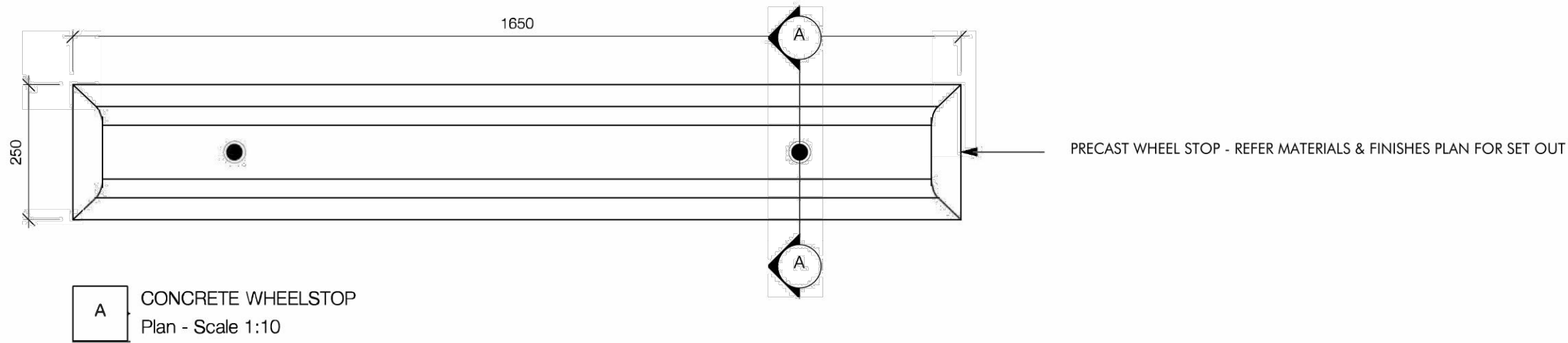
- NOTE:
- REFER MATERIALS & FINISHES PLAN AND LEVELS & GRADING PLAN
 - LEVELS TO BE CONFIRMED ON SITE
 - EXISTING TREES TO BE RETAINED
 - STEPPED GRANITE BLOCK WALL TO FOLLOW WATER EDGE



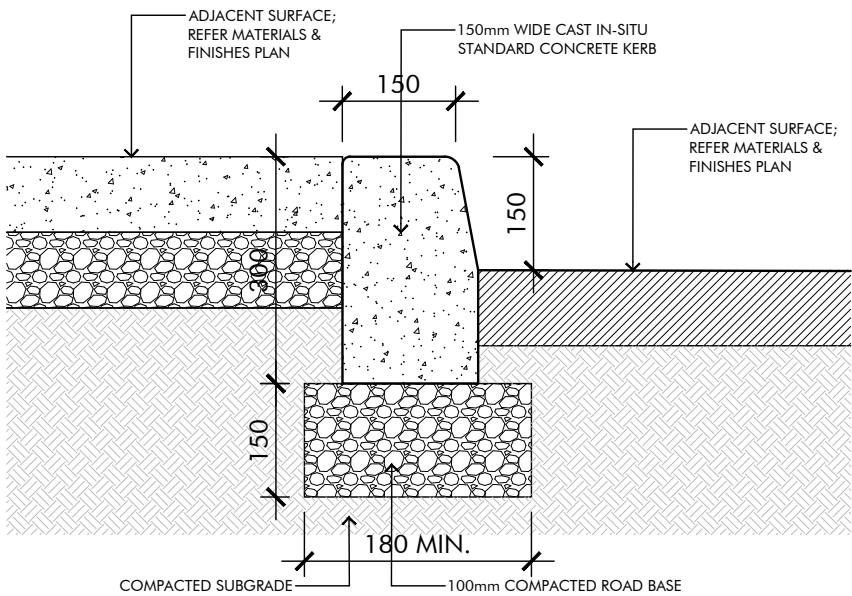
01 WALL TYPE 1 - GRANITE BLOCKS - TYPICAL SECTION
1:20 @ A3



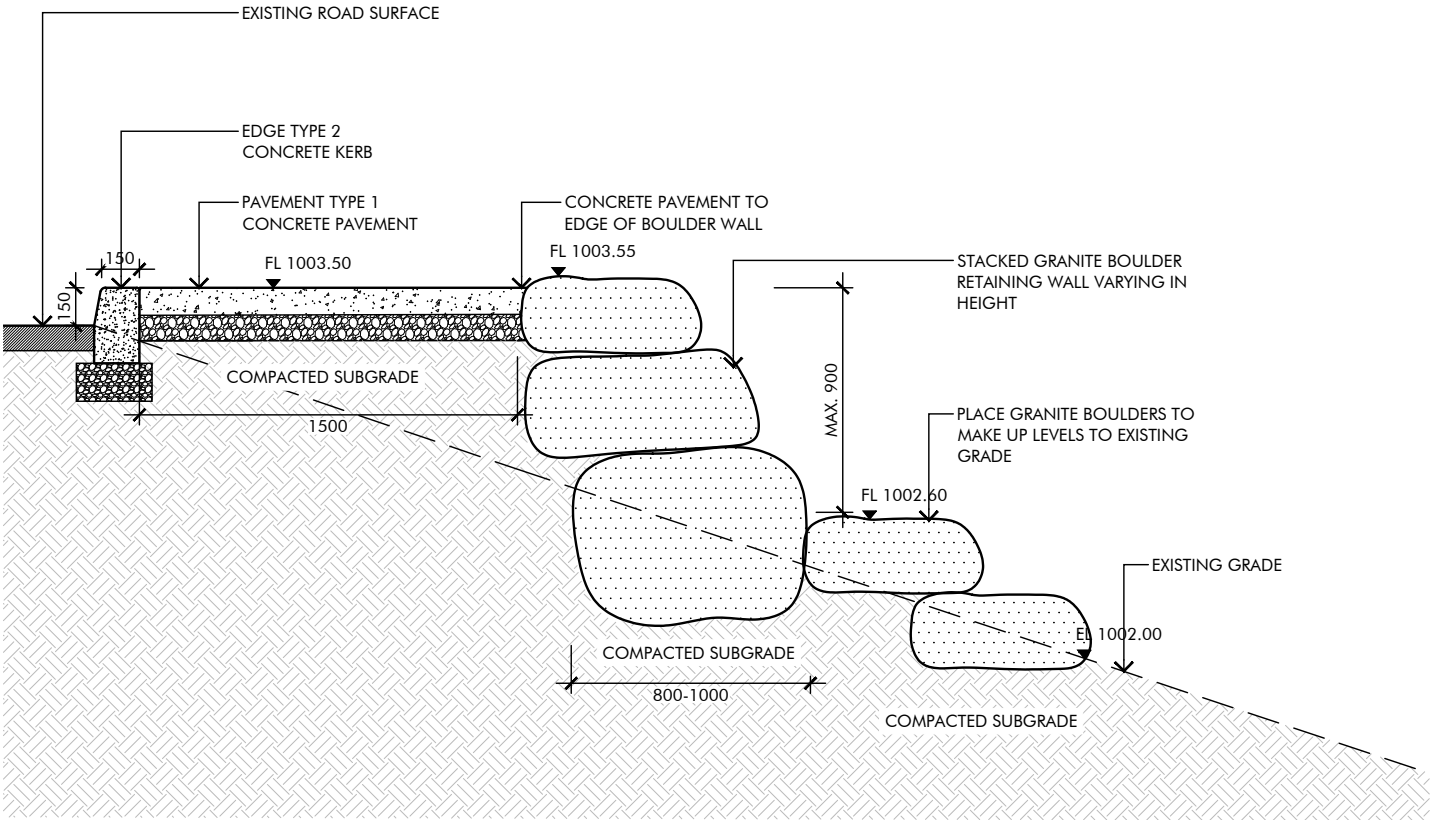
02 WALL TYPE 1 - GRANITE BLOCKS - FRONT ELEVATION AT START/END OF WALL
1:20 @ A3



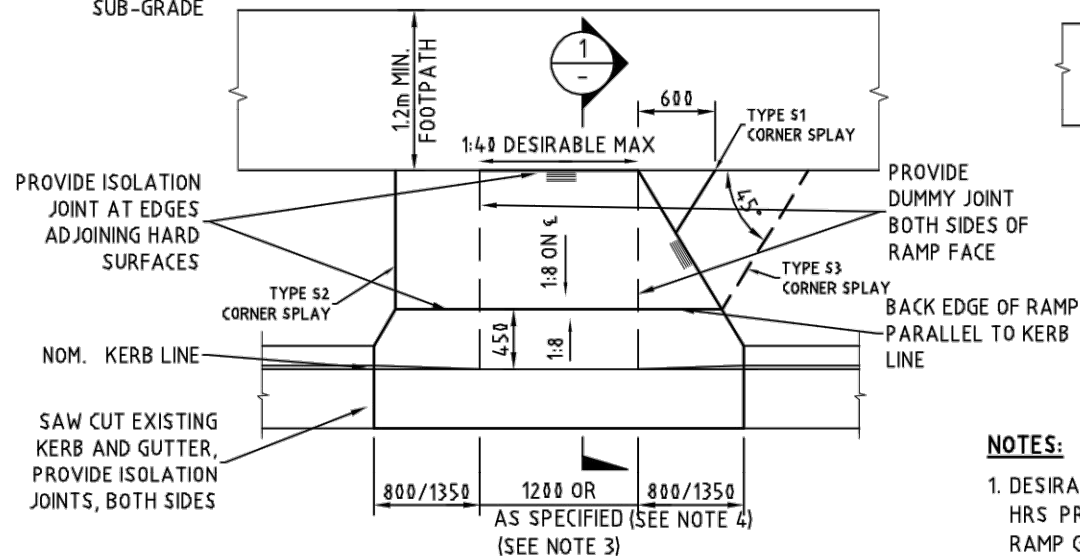
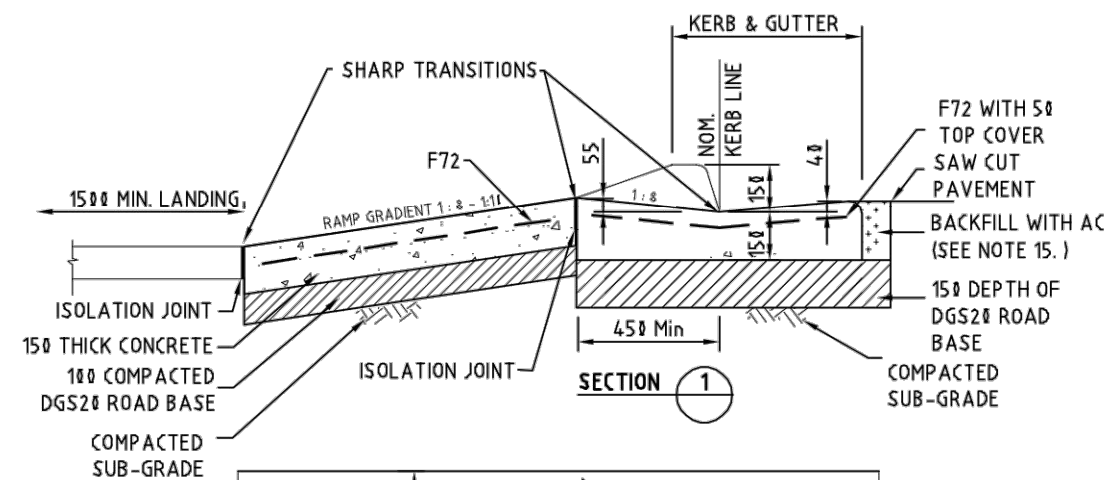
- NOTE:
- REFER MATERIALS & FINISHES PLAN AND LEVELS & GRADING PLAN
 - LEVELS TO BE CONFIRMED ON SITE
 - EXISTING TREES TO BE RETAINED
 - STEPPED GRANITE BLOCK WALL TO FOLLOW WATER EDGE



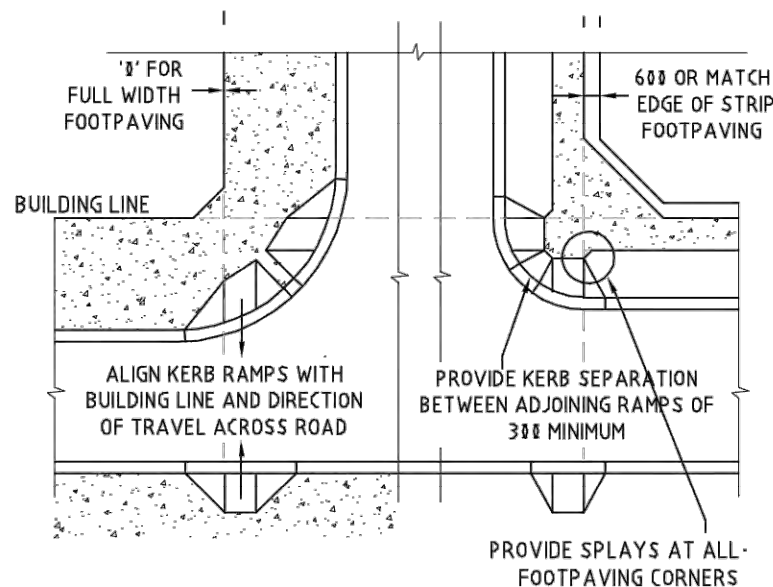
01 EDGE TYPE 2 - 150mm STANDARD KERB
1:10 @ A3



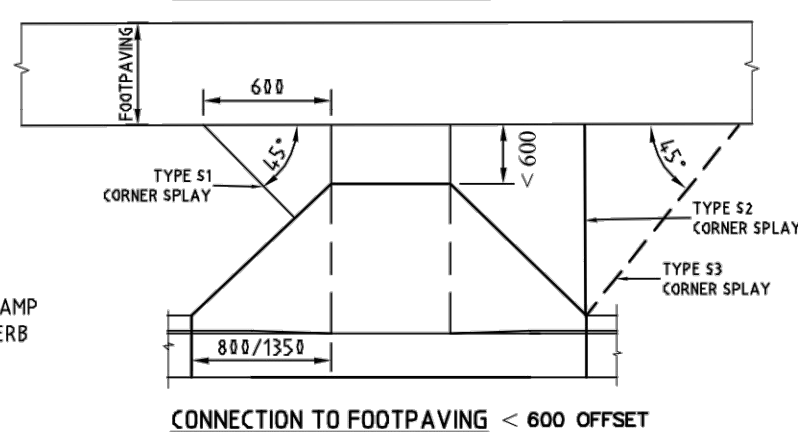
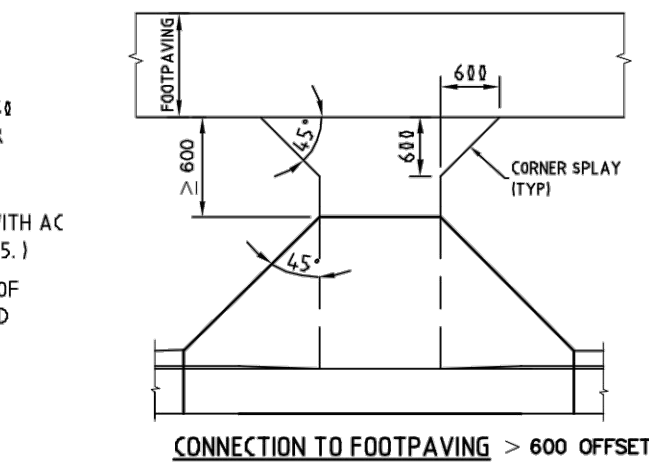
02 WALL TYPE 2 - STACKED GRANITE BOULDERS - TYPICAL SECTION
1:20 @ A3



LOW LEVEL KERB RAMP - TYPICAL PLAN



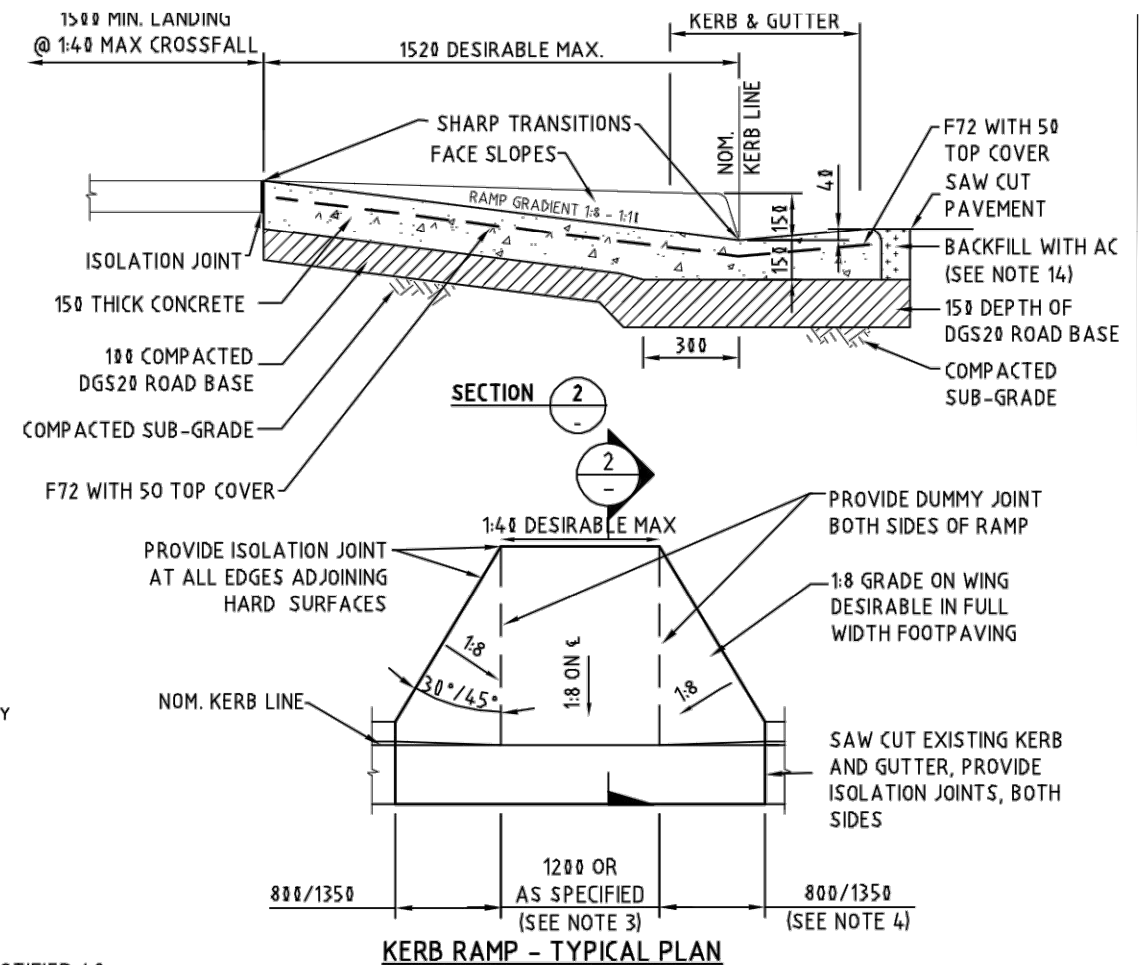
DESIRABLE KERB RAMP SETOUT AT INTERSECTIONS



NOTES:

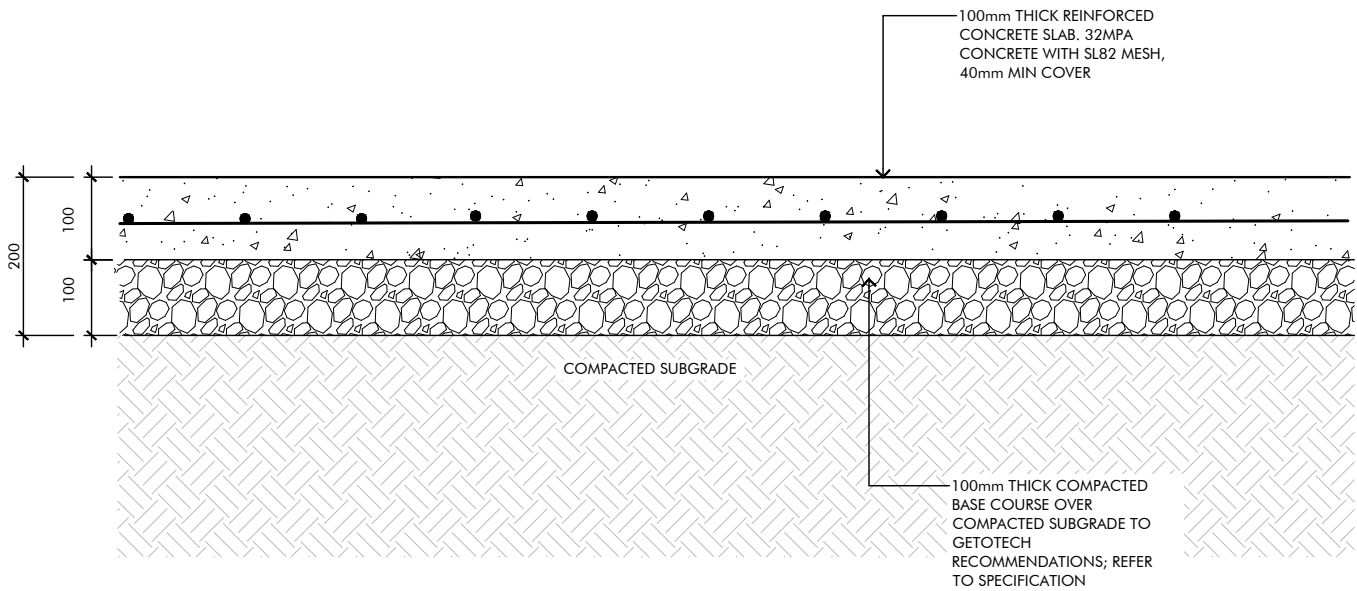
- DESIRABLE KERB RAMP GRADE IS 1 IN 8 FULL WIDTH. SUPERINTENDANT IS TO BE NOTIFIED 48 HRS PRIOR TO CONCRETE POUR IF RAMP GRADE IS NOT 1 IN 8. TACTILES ARE REQUIRED IF RAMP GRADE IS NOT 1 IN 8.
- MAXIMUM KERB RAMP GRADE IS 1 IN 8 FULL WIDTH
- KERB RAMP WIDTHS:
 - 1000 MINIMUM
 - 1200 DESIRABLE GENERALLY
 - 1350 DESIRABLE IN FULL WIDTH FOOTPAVING AND HIGH PEDESTRIAN TRAFFIC LOCALITIES
 - AS WIDE AS POSSIBLE AT MARKED FOOT CROSSINGS WITHIN PAINT LINES. AT TRAFFIC SIGNALS OUTSIDE EDGE OF KERB RAMP TO ALIGN WITH OUTSIDE CROSSING LINE. PROVIDE 300 MIN KERB RAMP SEPARATION WHERE POSSIBLE.
- PROVIDE 800 WINGS IN GRASS VERGES. PROVIDE 1350 WINGS IN FULL WIDTH CONCRETE FOOTPAVING. WING WIDTHS TO BE ADJUSTED TO ALLOW FOR ADJOINING STRUCTURES AS REQUIRED.
- KERB RAMP CENTRE LINES ARE TO BE ALIGNED WITH THE PEDESTRIAN DIRECTION OF TRAVEL AND THE KERB RAMP ON THE OPPOSITE SIDE OF THE ROAD.
- BACK EDGE OF RAMP TO BE PARALLEL WITH KERB LINE TANGENT IN FULL WIDTH FOOTPAVING. BACK EDGE OF RAMP TO BE SQUARE TO STRIP FOOTPAVING.
- PROVIDE SHARP TRANSITIONS AROUND KERB RAMP & AT CHANGES OF GRADE AT WINGS & GUTTER
- CONCRETE'S STRENGTH GRADE N25 WITH 20mm MAXIMUM SIZE AGGREGATE IN ACCORDANCE WITH AS3600.
- ROAD BASE IS TO BE CRUSHED ROCK OR CRUSHED CONCRETE GRADED TO DGS20 OR DGB20.
- KERB RAMP TO BE CAST INTEGRAL WITH GUTTER.

A SITE SPECIFIC DESIGN IS TO BE PREPARED AND APPROVED BY COUNCIL WHERE REQUIREMENTS SPECIFIED IN THIS STANDARD CANNOT BE MET, OR WHERE TGSIs MAY BE REQUIRED.

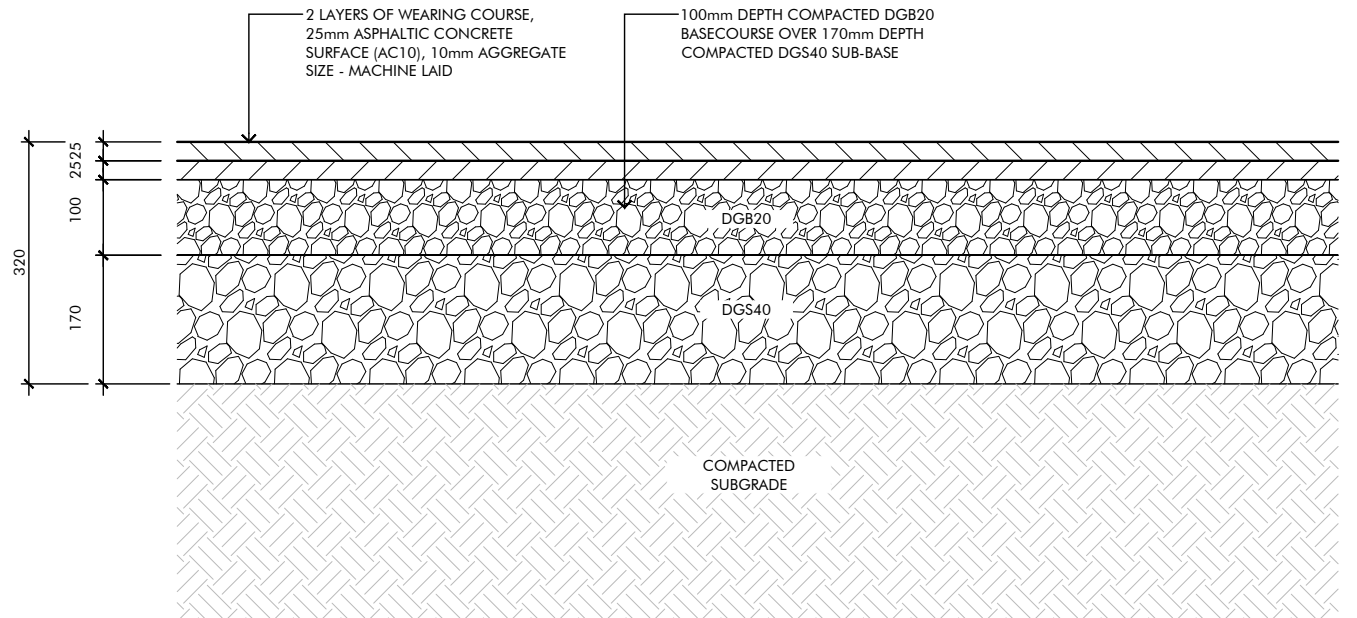


KERB RAMP - TYPICAL PLAN

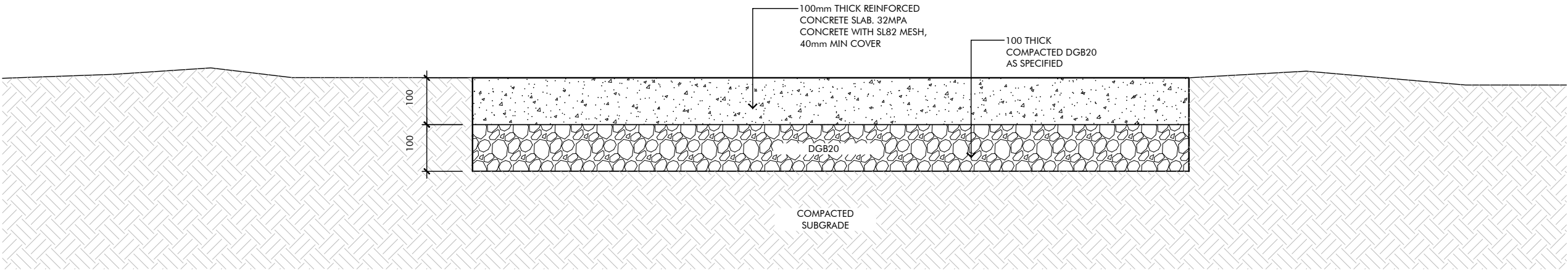
- ISOLATION JOINTS TO BE PROVIDED FULL DEPTH AT ALL EDGES ADJOINING HARD SURFACES USING 10mm BITUMINOUS FIBREBOARD
- CONCRETE SURFACES TO BE MEDIUM BROOM FINISH ACROSS THE DIRECTION OF PEDESTRIAN TRAVEL.
- ADJUST ADJOINING CONCRETE FOOTPAVING AND EXISTING FOOTWAY AS REQUIRED TO MATCH RAMP LEVELS IN A SEPARATE CONCRETE POUR.
- BOXING ALONG LIP GUTTER IS TO BE BACKFILLED WITH HOT MIX AC IN COMPACTED LAYERS AND FINISHED WITH A 40mm THICK LAYER OF AC10 OR AC14.
- TACTILE GROUND SURFACE INDICATORS (TGSIs) MAY BE REQUIRED AS FOLLOWS:
 - IF RAMP GRADIENT FLATTER THAN 1:8.5,
 - WHERE THE FOOTWAY WIDTH > 4500,
 - IN PEDESTRIAN REFUGES, ISLANDS AND MEDIANS,
 - WHERE THE ROAD CROSSING LOCATION IS NOT IN LINE WITH THE PEDESTRIAN DIRECTION OF TRAVEL.
 - REFER TO BCC STD DWG S-002 FOR TGSi INSTALLATION DETAILS.
- DUMMY JOINTS TO HAVE 20mm DEEP GROOVE AND ARE TO BE FINISHED WITH AN APPROVED TOOL.
- FOR FOOTPAVING CONNECTION < 600mm PROVIDE TYPE S1 OR S2 SPLAYS TYPICALLY. PROVIDE TYPE S2 OR S3 SPLAYS IN HIGH PEDESTRIAN USAGE SITUATIONS. PROVIDE TYPE S3 SPLAYS FOR CYCLEPATHS AND SHARED PATHS.
- KERB RAMPS ARE TO COMPLY GENERALLY WITH AS1428.1, AS1428.4 & RTA DWG. R0300-11



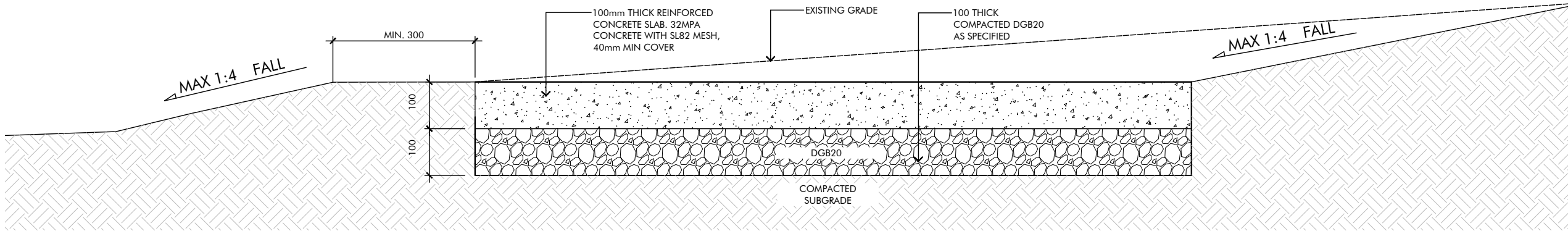
01 PAVING TYPE 1 - CONCRETE PAVEMENT PED.
1:10 @ A3



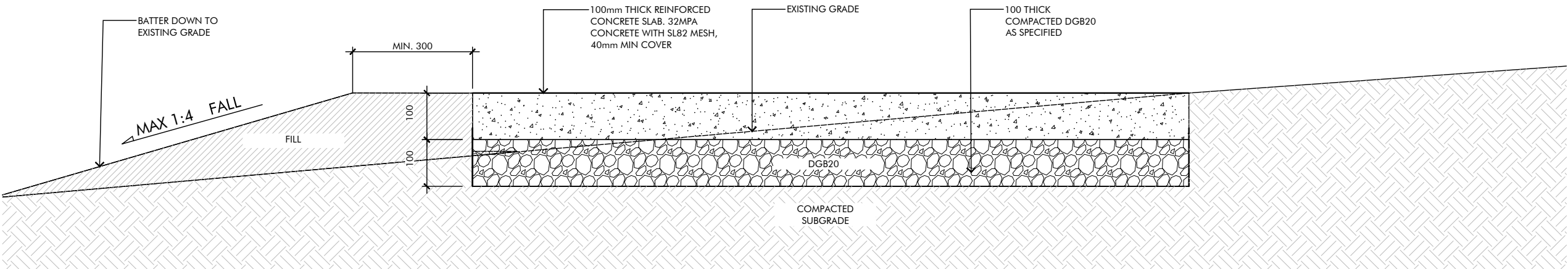
02 PAVING TYPE 2 - ASPHALT PAVEMENT VEH.
1:10 @ A3



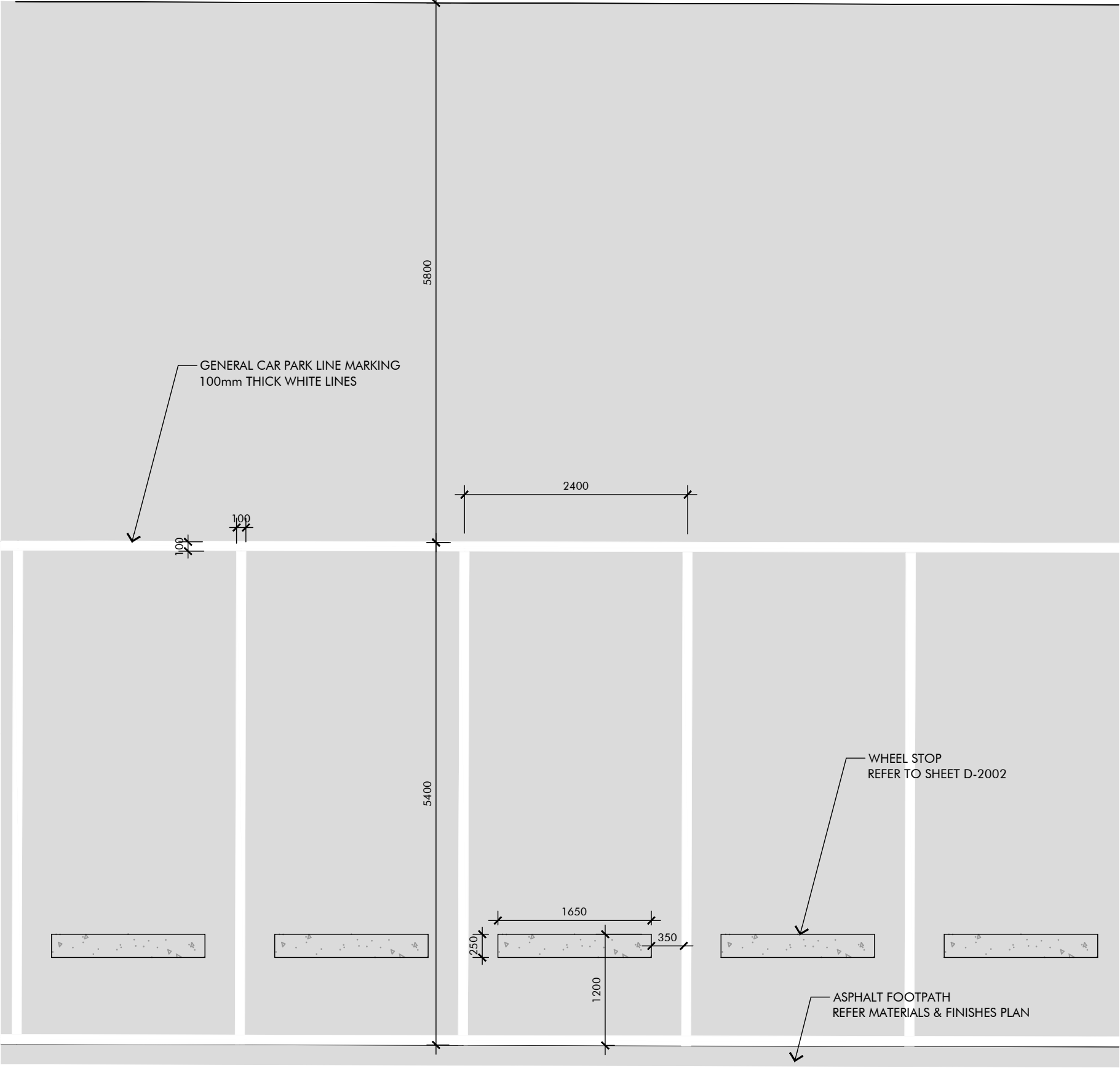
A PAVING TYPE 1A - CONCRETE PAVEMENT PED. ON GRADE
1:10 @ A3



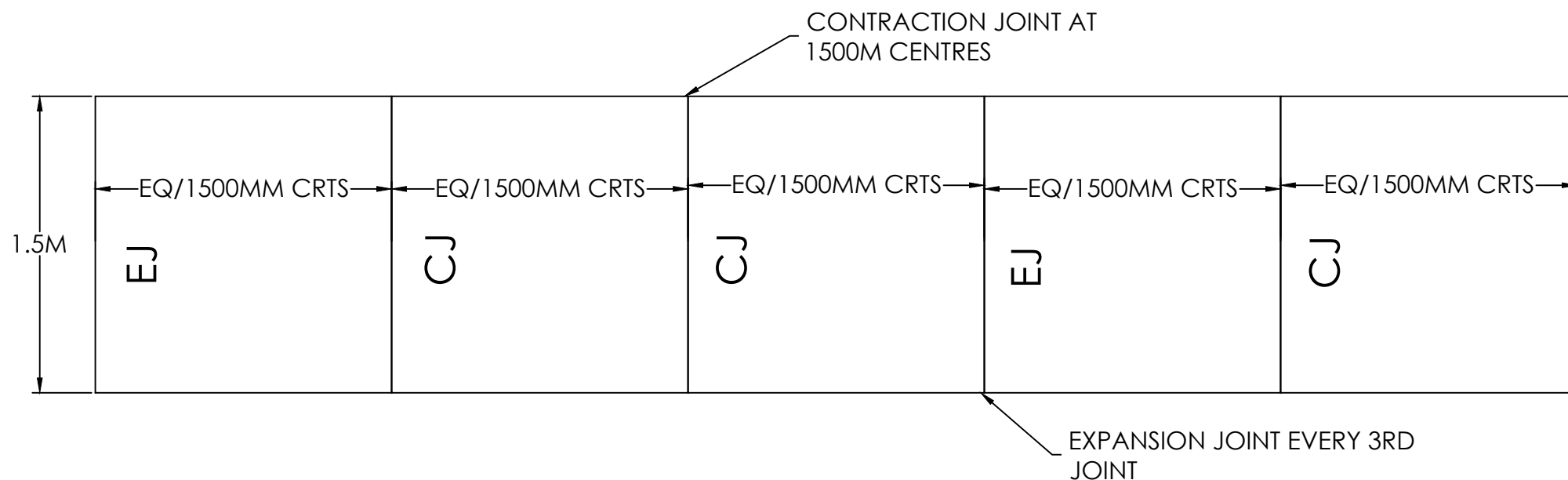
B PAVING TYPE 1B - ASPHALT PAVEMENT PED. ON CUT
1:10 @ A3



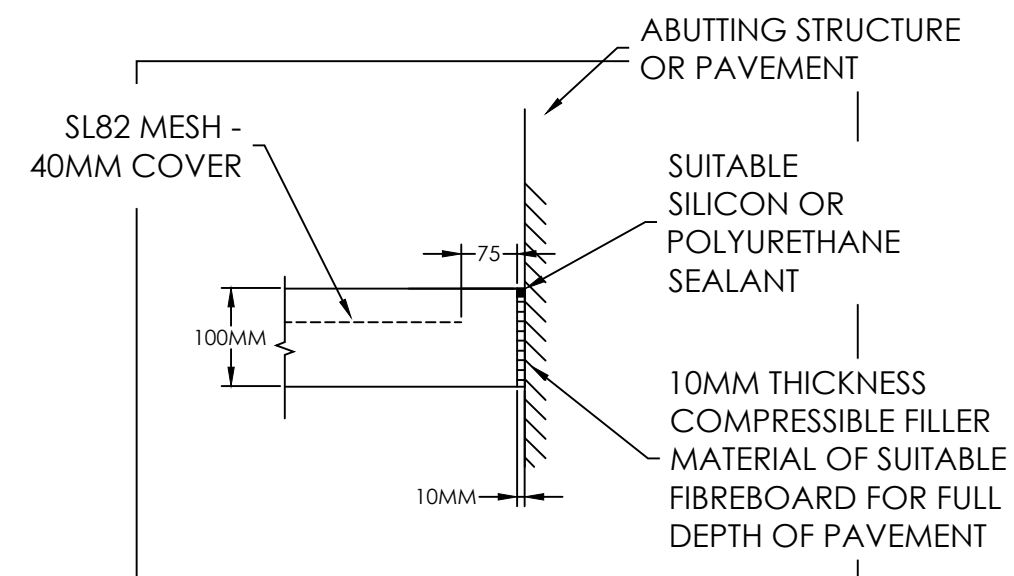
C PAVING TYPE 1C - ASPHALT PAVEMENT PED. ON FILL
1:10 @ A3



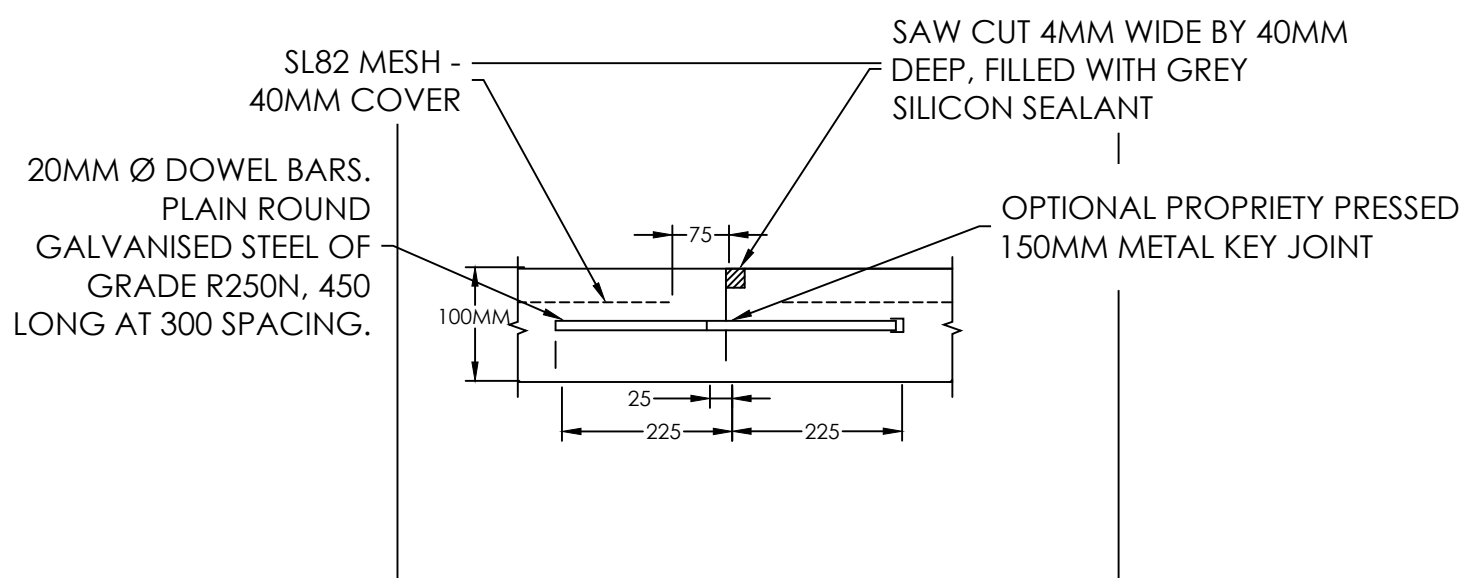
01 CAR PAK LINE MARKING
1:50 @ A3



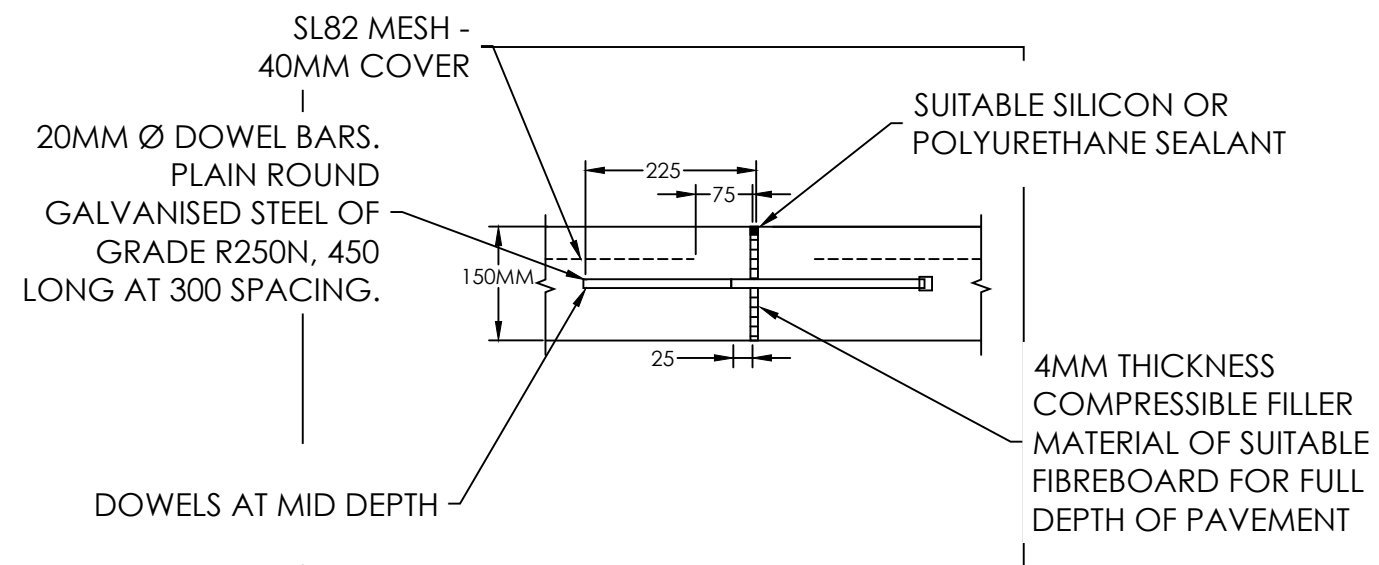
TYPICAL ARRANGEMENT - 1.5M WIDE CONCRETE PATH JOINT SETOUT
DETAIL 3.00-3
SCALE 1:10 @ A1



TYPICAL DETAIL - ISOLATION JOINT
DETAIL 3.00-4
SCALE 1:10 @ A1



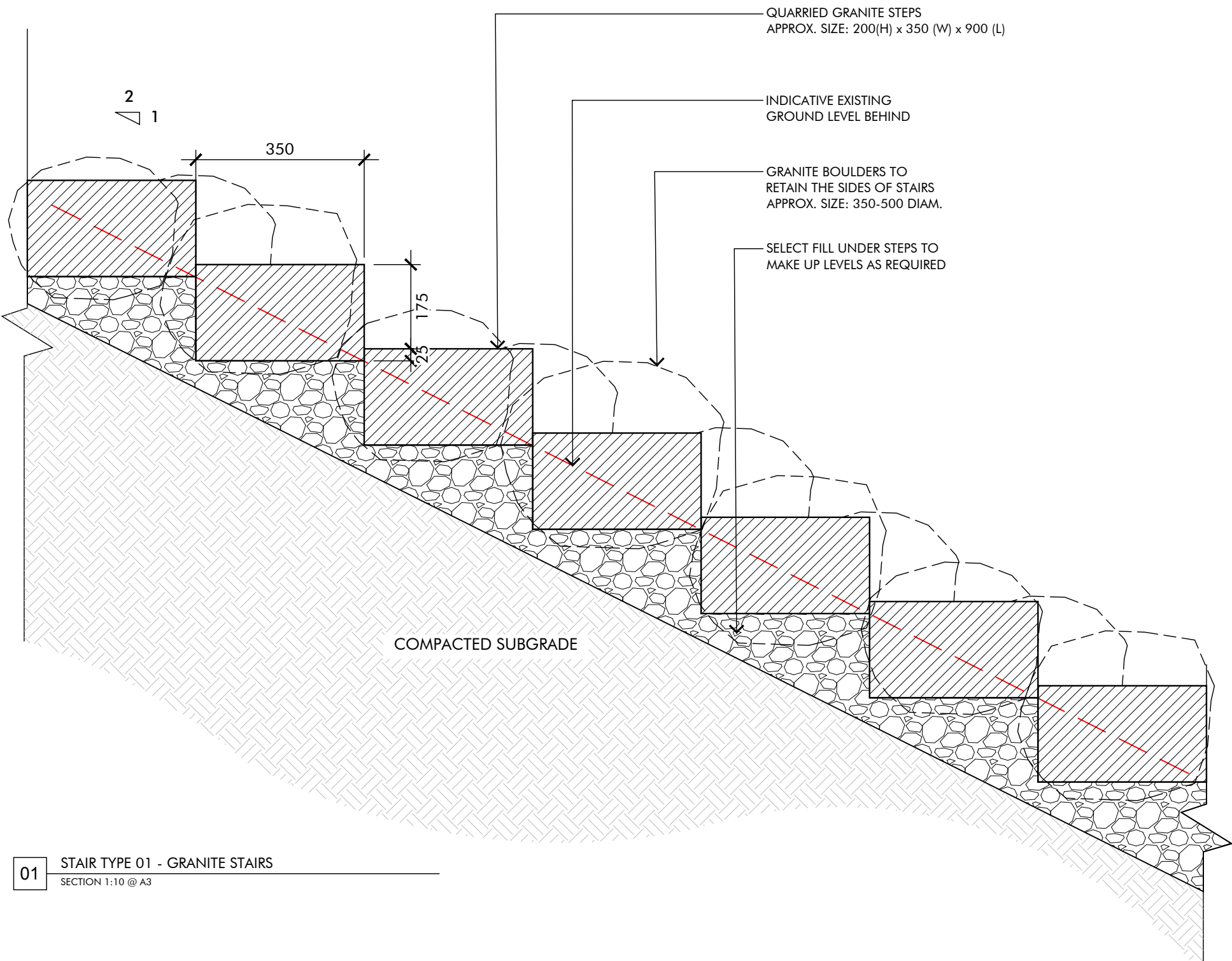
TYPICAL DETAIL - CONTRACTION JOINT
DETAIL 3.00-6
SCALE 1:10 @ A1



TYPICAL DETAIL - EXPANSION JOINT
DETAIL 3.00-5
SCALE 1:10 @ A1

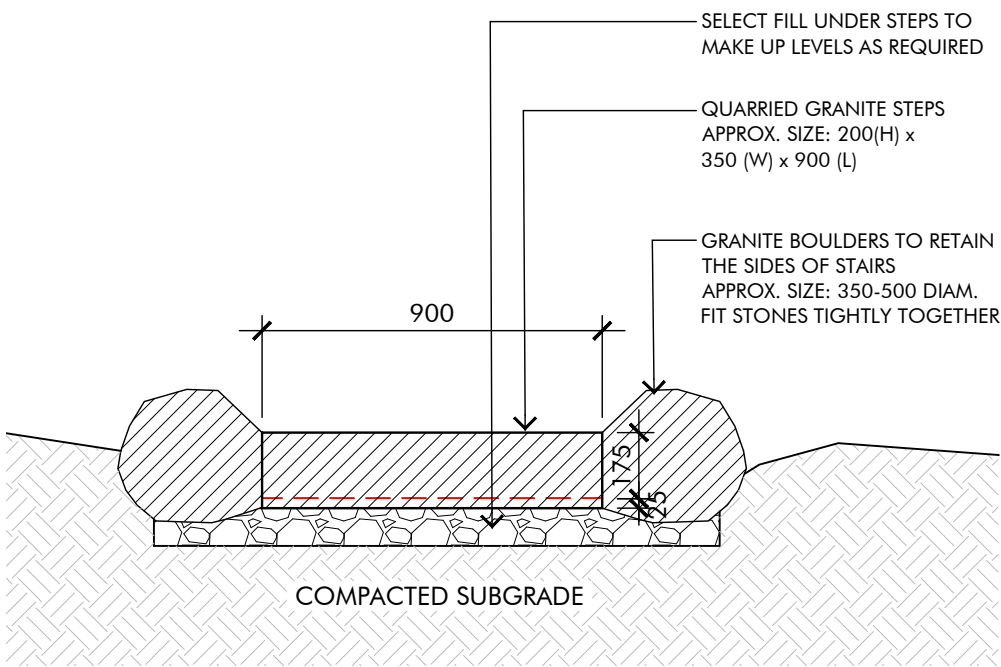
GENERAL NOTES - SANDSTONE STEPS:

- 1. STEPS TO BE BUILT ACCORDING TO SLOPE OF EXISTING TRACK
- 2. RISER HEIGHT TO BE CONSISTENT FOR SECTIONS OF STAIRS
- 3. REFER LEVELS & GRADING PLAN FOR PROPOSED LEVELS

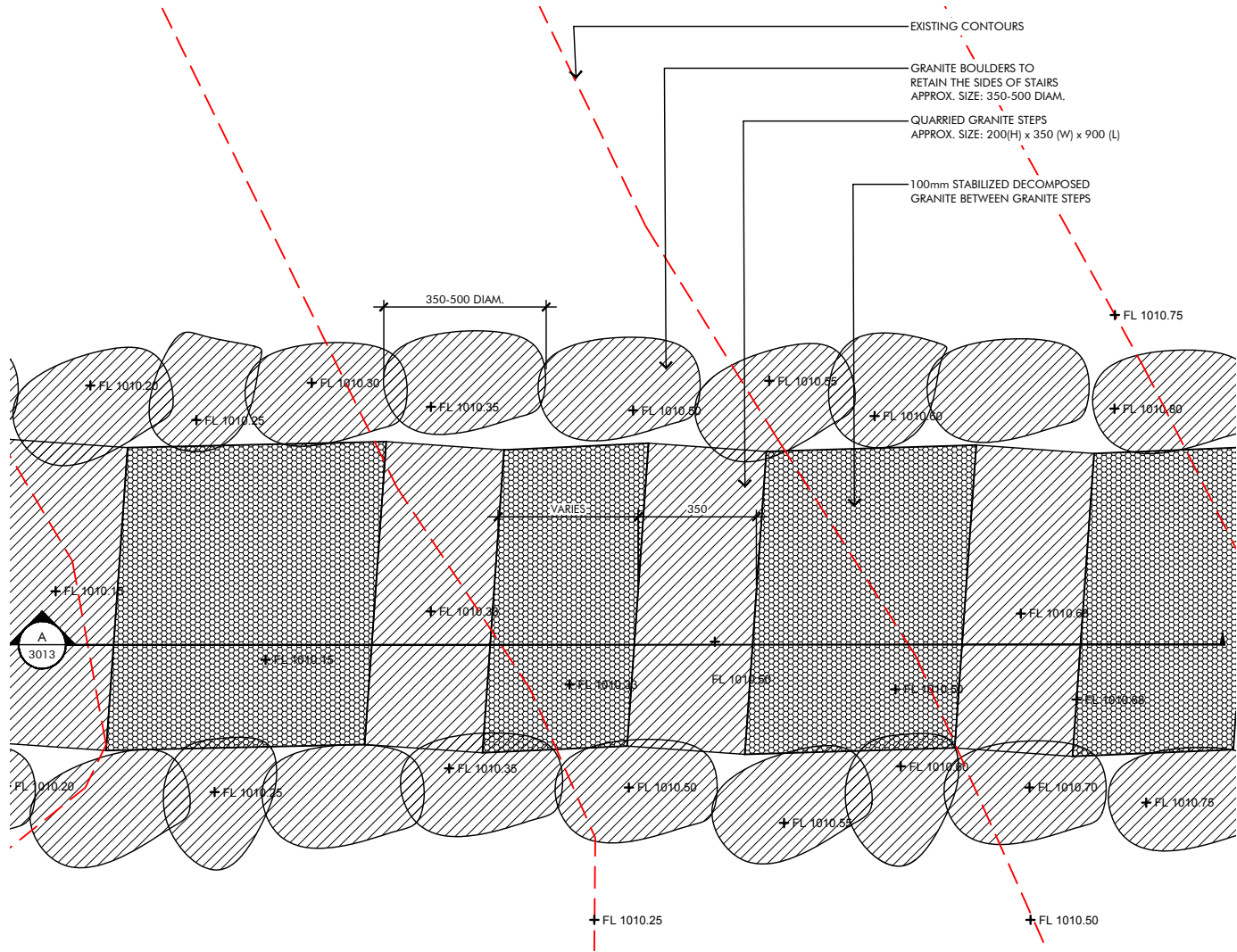


01 STAIR TYPE 01 - GRANITE STAIRS
SECTION 1:10 @ A3

02 CROSSING NORTH IN THE GLEN
SKETCH - FOR VISUAL REFERENCE ONLY



03 GRANITE STAIRS
SECTION 1:20 @ A3



01 STAIR TYPE 2 - GRANITE STEPS ON TRACK
PLAN - 1:20 @ A3

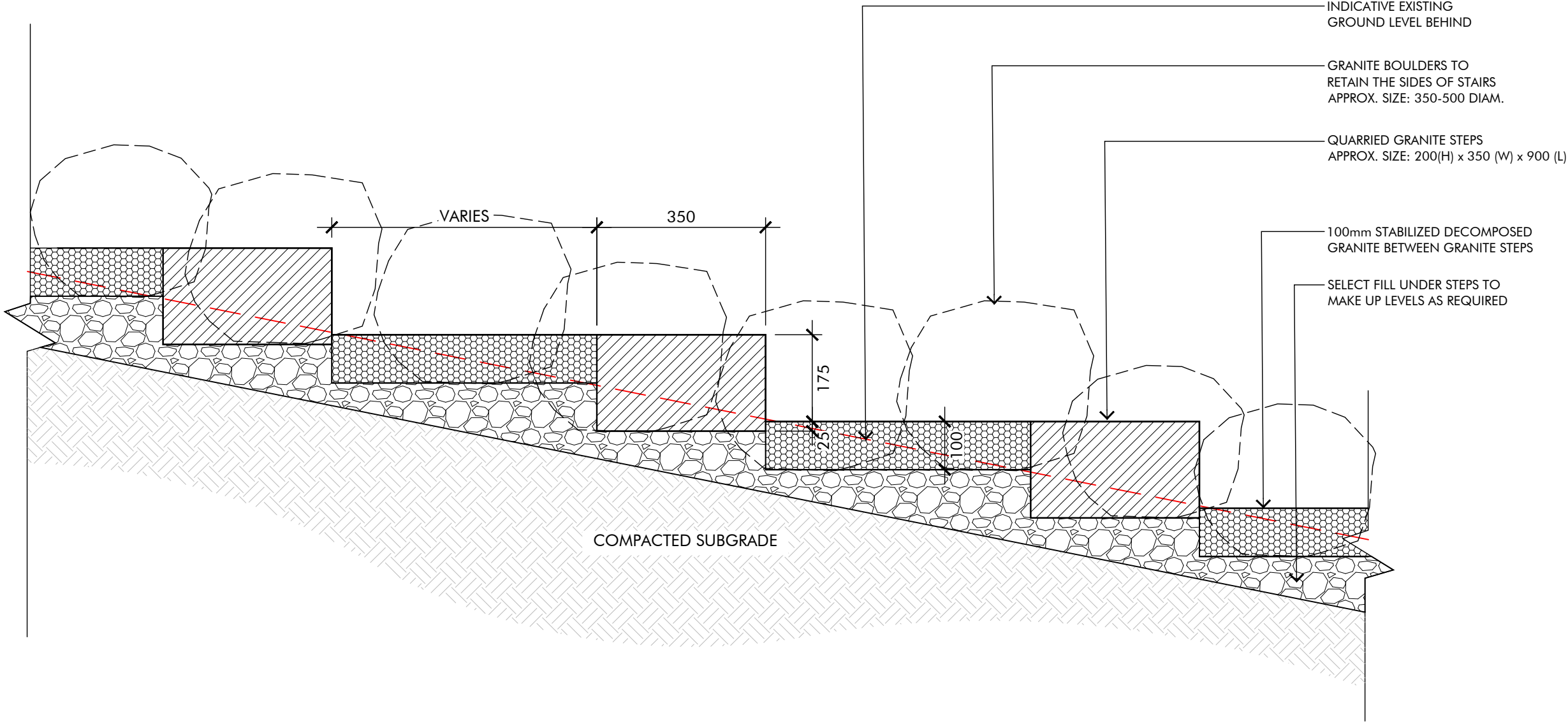


02 STAIR TYPE 2 - GRANITE STEPS ON TRACK
FOR VISUAL REFERENCE ONLY - NOTE: TIMBER IN IMAGE TO BE GRANITE BLOCKS

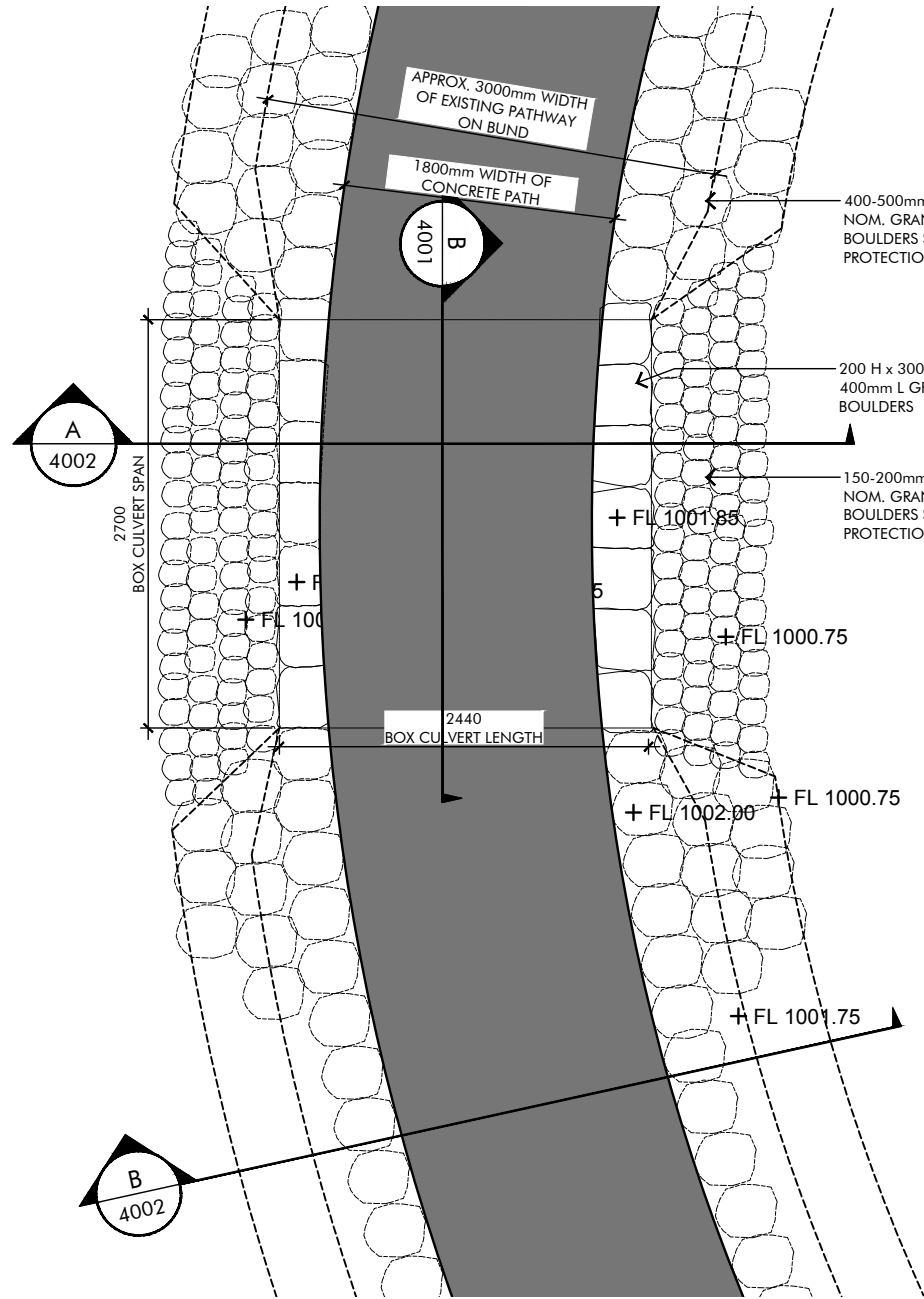


03 STAIR TYPE 1 - GRANITE STEPS
FOR VISUAL REFERENCE ONLY - NOTE: TIMBER IN IMAGE TO BE GRANITE BLOCKS

- GENERAL NOTES - SANDSTONE STEPS:
- 1. STEPS TO BE BUILT ACCORDING TO SLOPE OF EXISTING TRACK
 - 2. RISER HEIGHT TO BE CONSISTENT FOR SECTIONS OF STAIRS
 - 3. REFER LEVELS & GRADING PLAN FOR PROPOSED LEVELS
 - 4. CONFIRM LEVELS ON SITE



01 GRANITE STEPS ON TRACK
Section - 1:10 @ A3



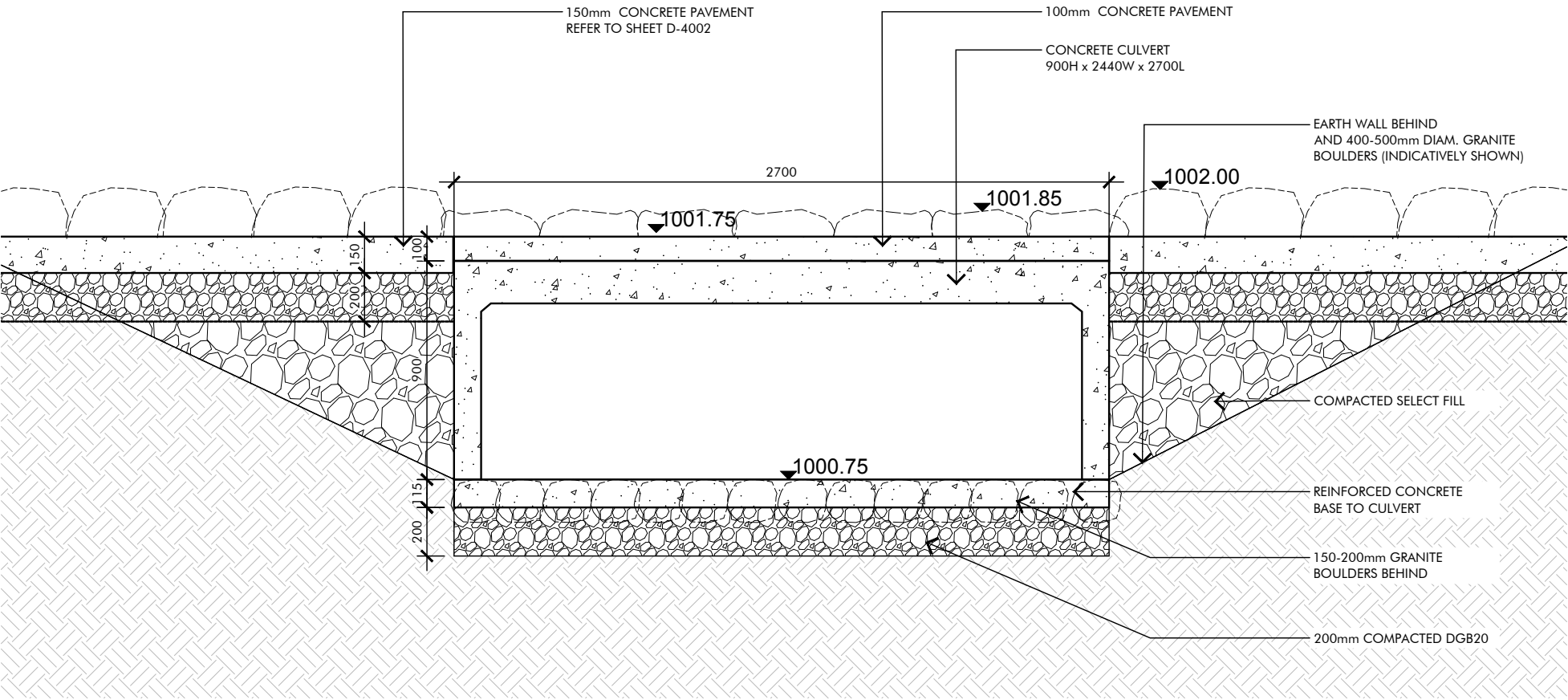
A CROSSING 1 - LARGE BOX CULVERT
PLAN - 1:50 @A3



NOTE:

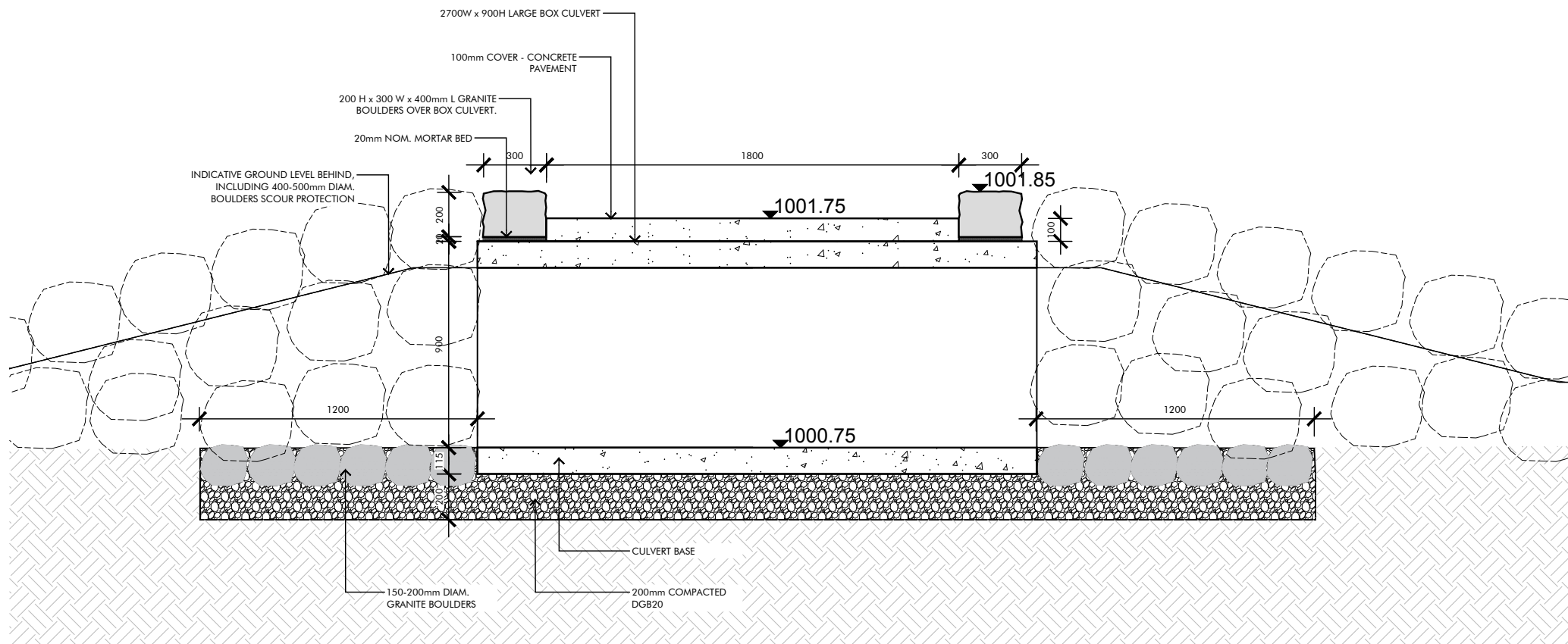
- REFER MATERIALS & FINISHES PLAN AND LEVELS & GRADING PLAN
- LEVELS TO BE CONFIRMED ON SITE

C EXISTING CROSSING
FOR VISUAL REFERENCE ONLY



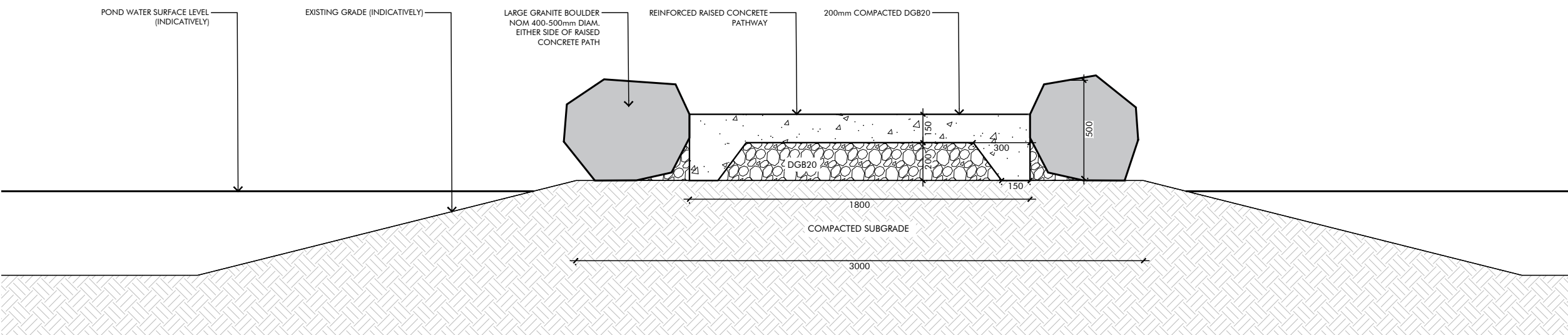
B CROSSING 1 - LARGE BOX CULVERT
SECTION - 1:25 @A3

- REFER MATERIALS & FINISHES PLAN AND LEVELS & GRADING PLAN
- LEVELS TO BE CONFIRMED ON SITE



CROSSING 1 - LARGE CULVERT

SECTION - 1:25 @A3



CROSSING 1 - RAISED PATHWAY

PLAN - 1:25 @A3



Key Consultants

URALLA, NSW, 2358

Rev	Date	Description	Drawn	Checked
A	13/05/2022	Draft for review	JV	DK
B	10/06/2022	For review	JV	DK

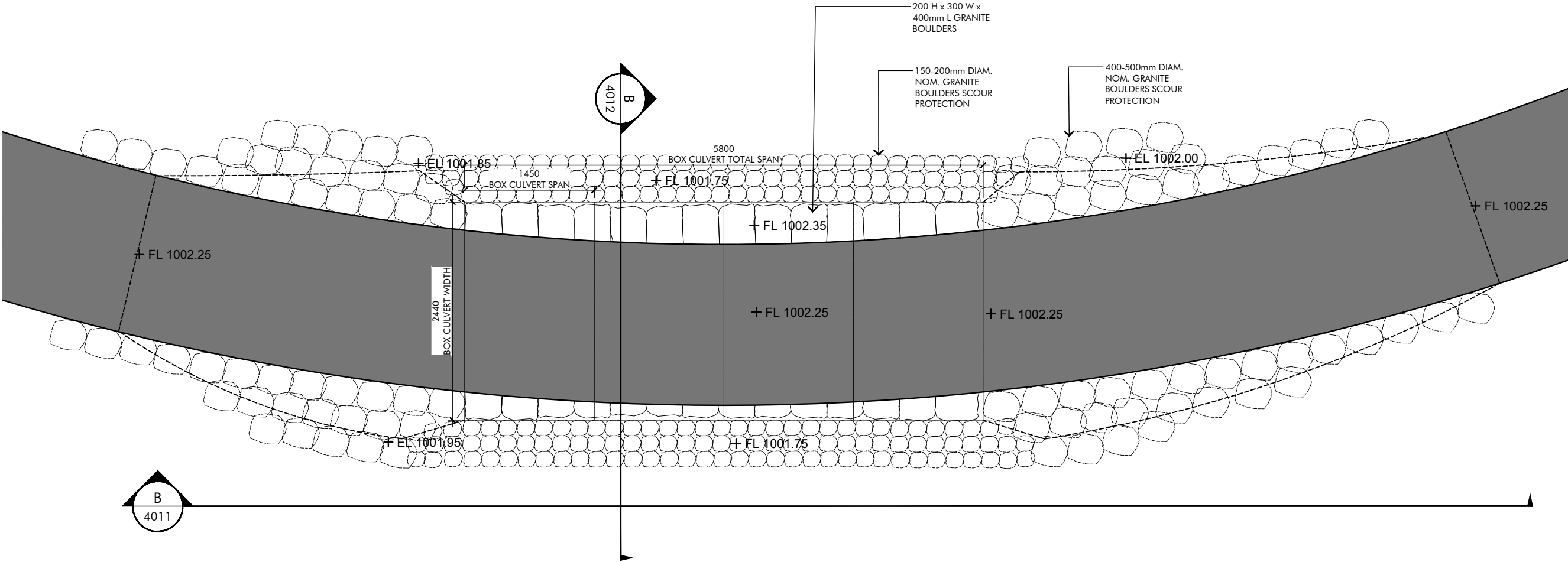
AS SHOWN @ A3

All dimensions are in millimetres unless otherwise noted.
Do not scale from this drawing.



4002

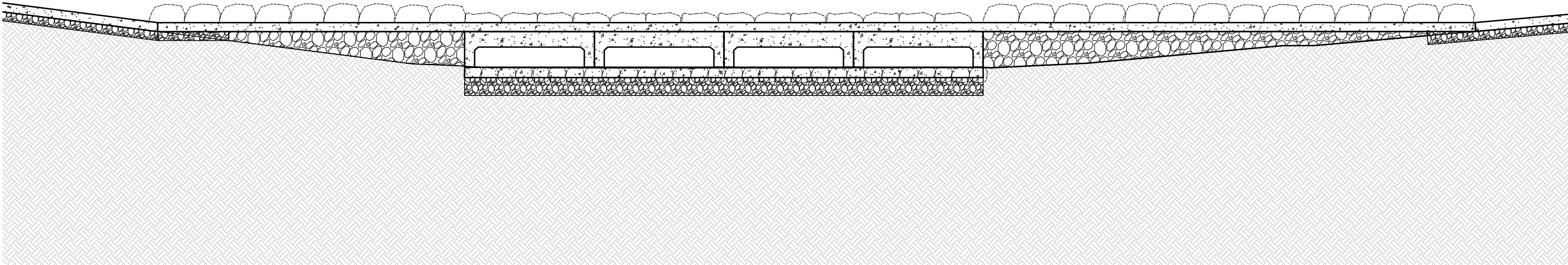
3



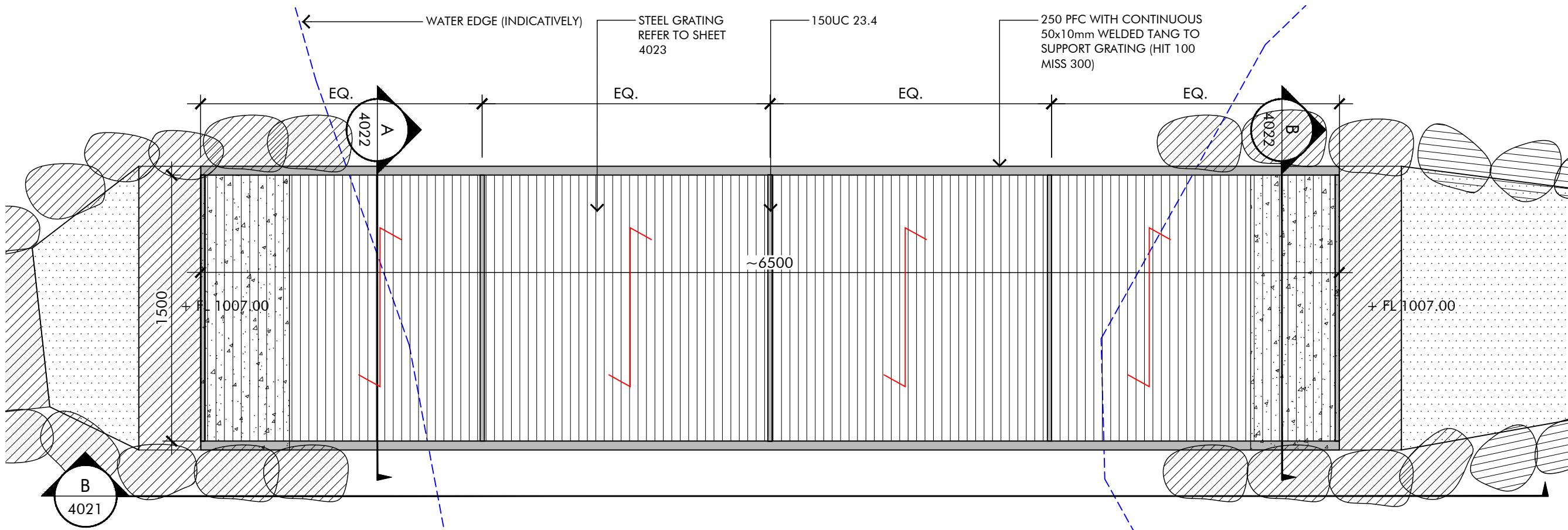
A CROSSING 02 - SMALL BOX CULVERTS
PLAN - 1:50 @A3

NOTE:

- REFER TO SHEET 4012 FOR DETAILED SECTIONS INCLUDING DIMENSIONS AND ANNOTATIONS
- LEVELS TO BE CONFIRMED ON SITE



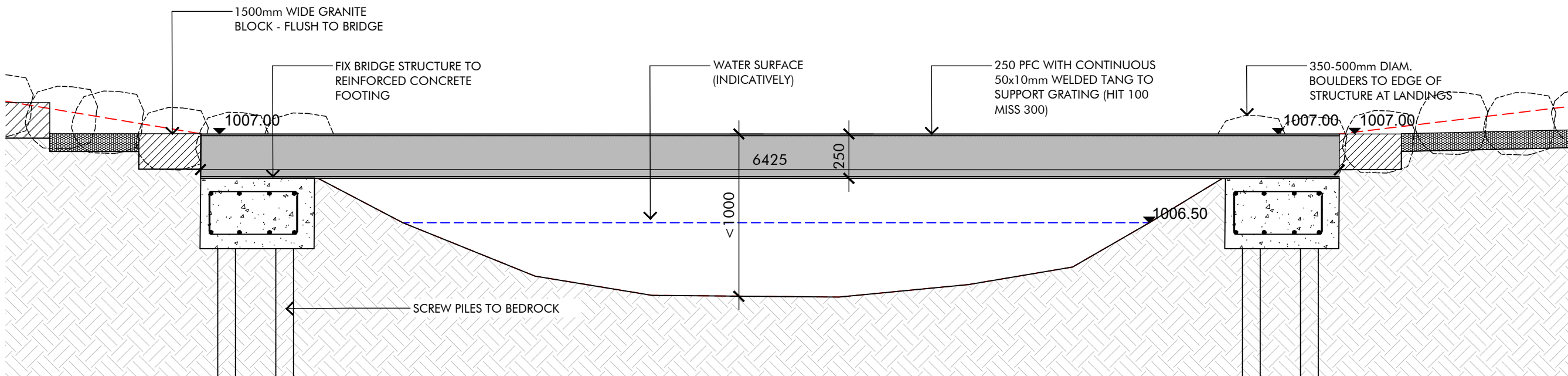
B CROSSING 02 - SMALL BOX CULVERTS
PLAN - 1:50 @A3



NOTE:

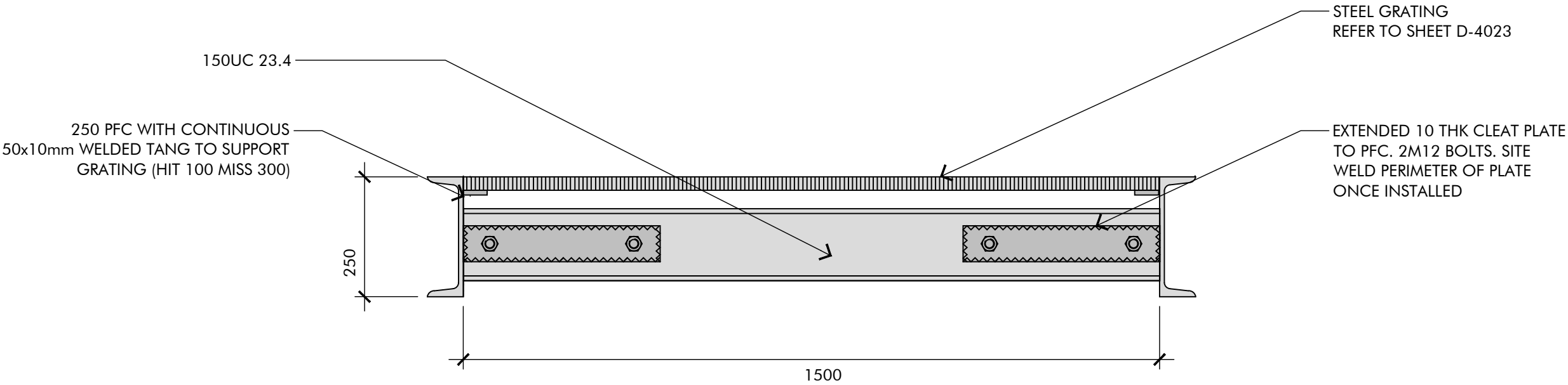
- REFER MATERIALS & FINISHES PLAN AND LEVELS & GRADING PLAN
- SUBJECT TO STRUCTURAL ENG. INPUT & SIGN-OFF

A CROSSING 03 - BRIDGE
PLAN - 1:25 @A3

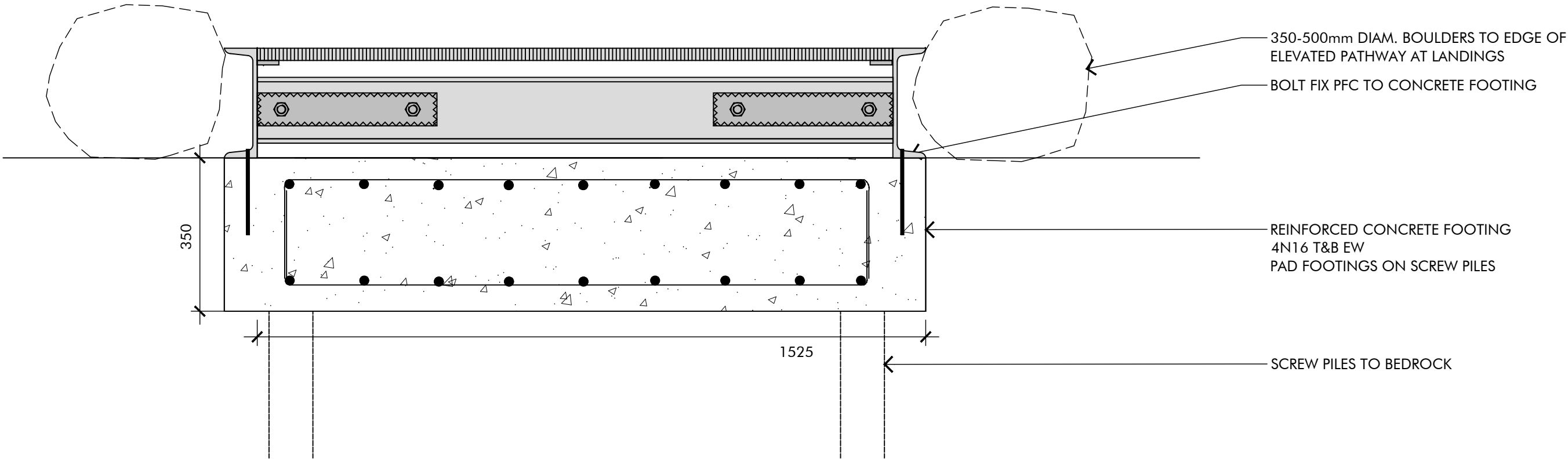


B CROSSING 03 - BRIDGE
ELEVATION - 1:25 @A3

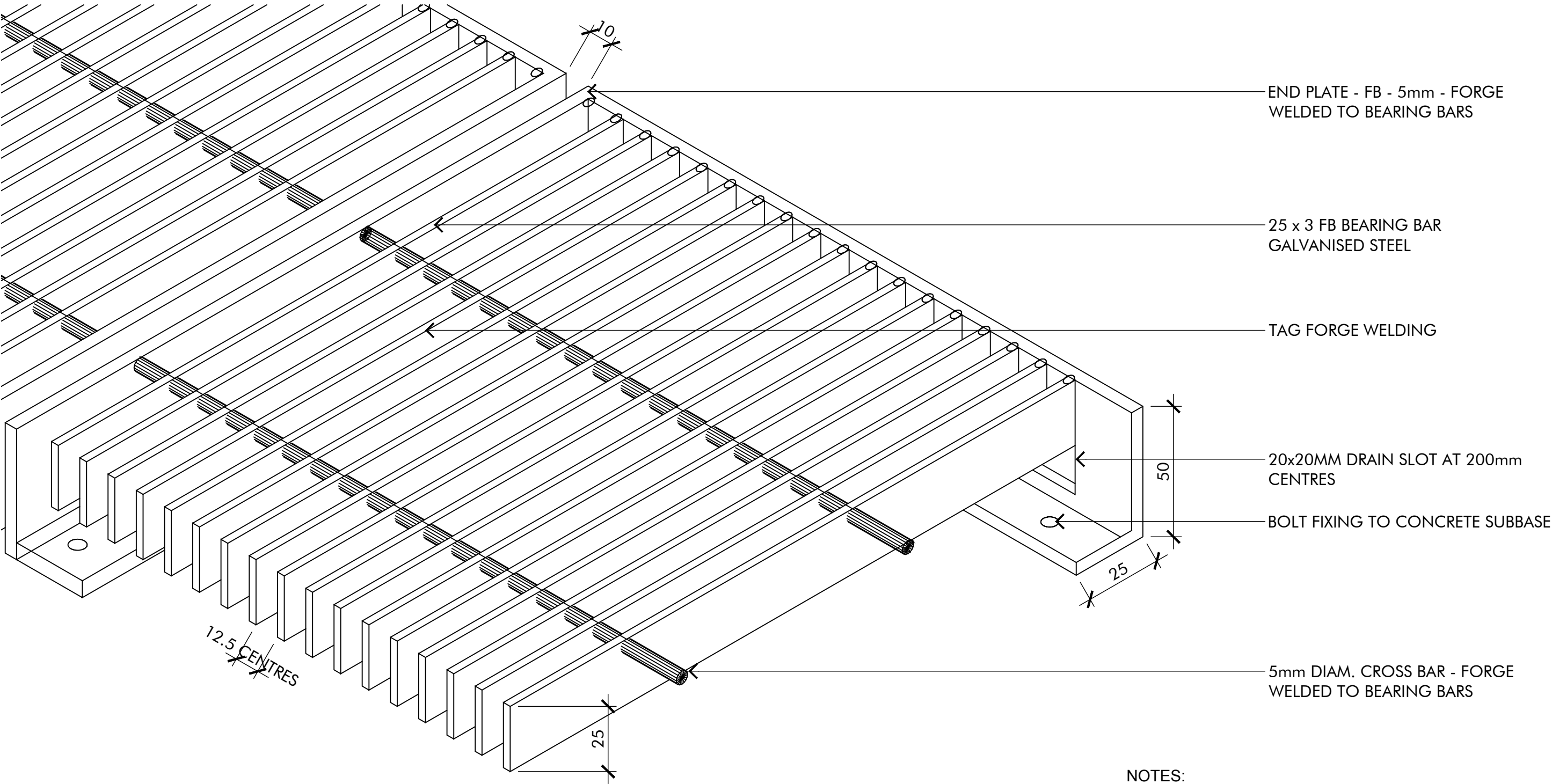
NOTE:
- STRUCTURE & FOOTINGS SUBJECT TO STRUCTURAL
ENG. INPUT & SIGN-OFF



A CROSSING 03 - BRIDGE
TYPICAL SECTION 1:10 @ A3



B CROSSING 03 - BRIDGE
INDICATIVE SECTION FOOTINGS & FIXTURE ELEVATED STRUCTURE 1:10 @ A3



A STEEL GRATING
1:10 @ A3

NOTES:

STEEL GRATING MANUFACTURER TO CONFIRM THAT GRATING COMPLIES WITH THE BELOW:

STEEL GRATING SPECIFICATIONS:
SPAN: 1500mm (SPAN DIRECTION AS INDICATED ON PLAN)
LIVE LOAD: 4kPa
MAX. DEFLECTION AT MID-SPAN = 4mm



- MAKE GOOD EXISTING INFORMATION SIGNAGE:
- CLEAN STRUCTURE WITH MILD DETERGENT AND SOFT BRUSH
 - REMOVE GRAFFITI
 - RE-SAND WOOD AND APPLY PROTECTIVE COAT (OIL STRUCTURE)
 - REMOVE OLD FADED INFORMATION PANELS & REINSTATE WITH NEW PRESPEX COVERS
 - PAINT ROOF PANELS
 - PLACE NEW UPDATED INFORMATION PANELS (TO BE DEVELOPED BY URALLA SHIRE COUNCIL)
 - REMOVE GRASS AND WEEDS BETWEEN PAVERS

A MAKE GOOD EXISTING INFORMATION SIGNAGE
FOR VISUAL REFERENCE ONLY



- MAKE GOOD EXISTING TABLE SETTING & BBQ:
- CLEAN TABLE SETTING & BBQ WITH MILD DETERGENT AND SOFT BRUSH
 - APPLY PROTECTIVE COAT (OIL STRUCTURE) TO TABLE SETTING
 - REMOVE GRAFFITI

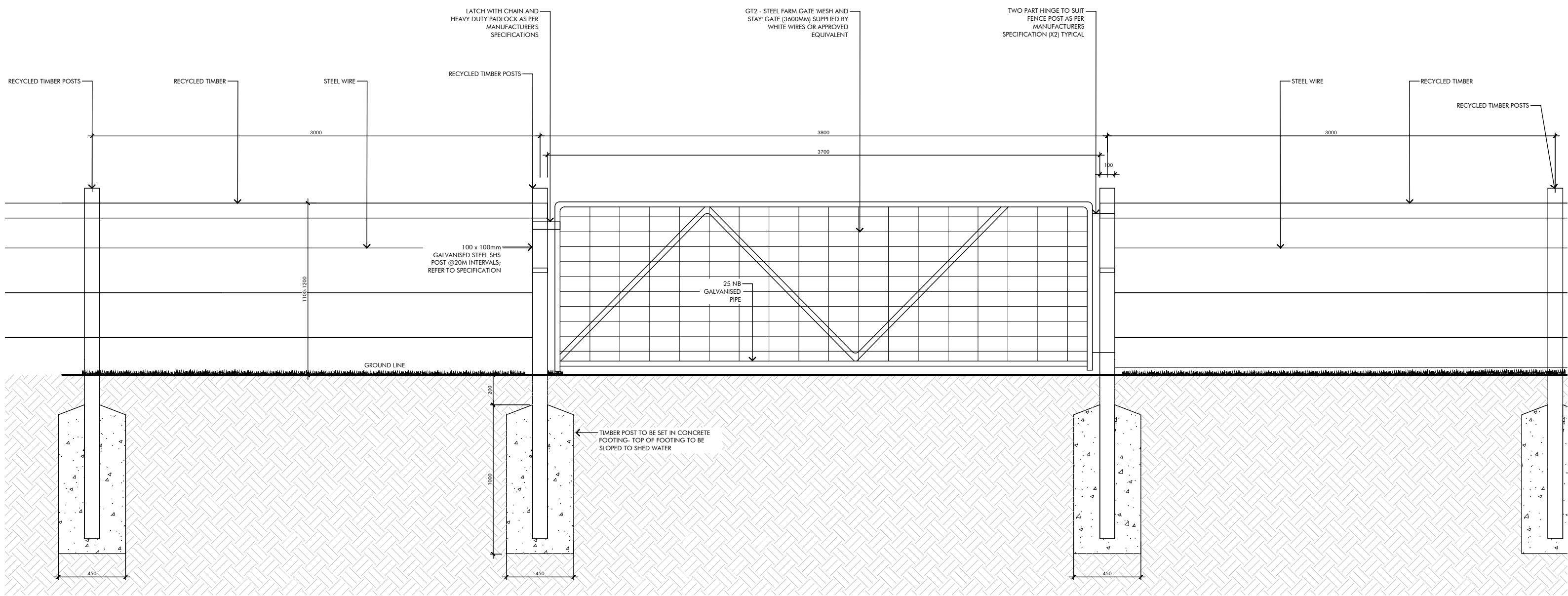
B MAKE GOOD EXISTING TABLE SETTING & BBQ
ELEVATION - 1:25 @A3

NOTE:
- STRUCTURE & FOOTINGS SUBJECT TO STRUCTURAL
ENG. INPUT & SIGN-OFF

Z:\2145 Uralla Parks\03 Images\Uralla Oct 21\PA177869.JPG

B EXISTING FENCE & GATE - SALVAGE TIMBER FOR REUSE
FOR VISUAL REFERENCE ONLY

C EXISTING FENCE - SALVAGE TIMBER FOR REUSE
FOR VISUAL REFERENCE ONLY



A FENCE AND GATE TYPE 01
ELEVATION 1:25 @ A3

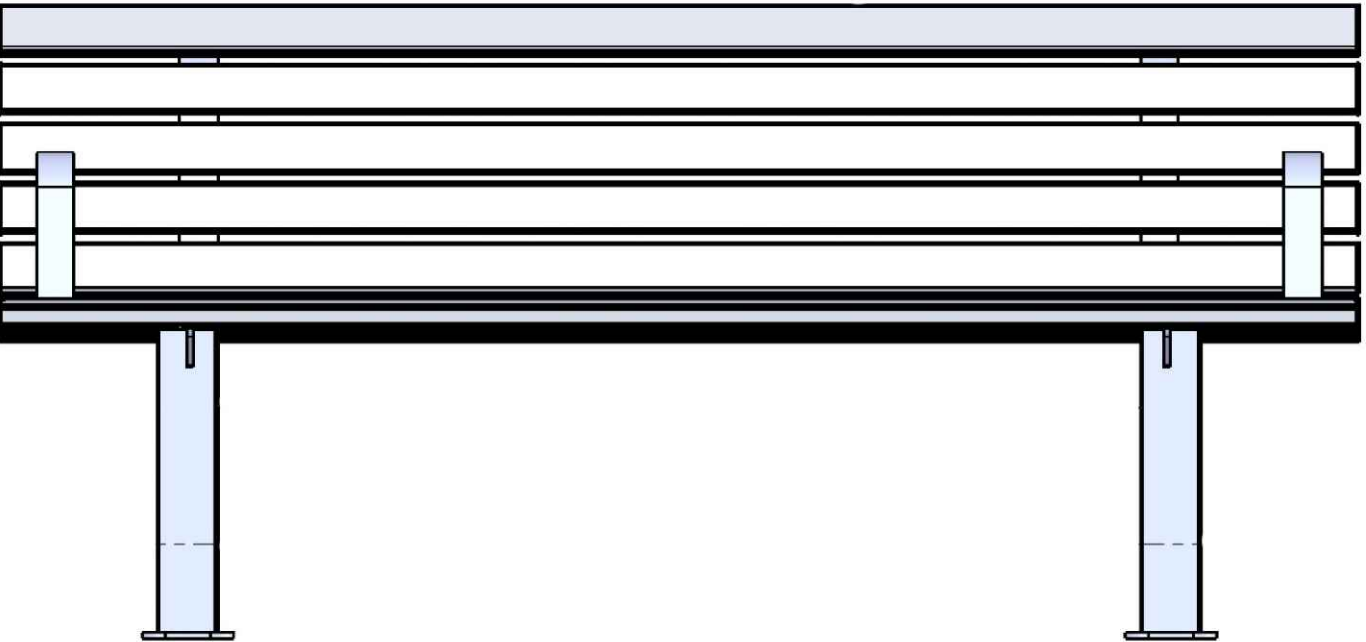
- NOTE:
- TO BE SUPPLIED BY STRABE GROUP PTY LTD
 - MODEL TYPE: STRABE ION SEAT (SEAT010)
 - FINISH: POWDER COATED (MATTE BLACK) / SPOTTED GUM BATTENS
 - SURFACE MOUNTED
 - REPLACE ALLOY BATTENS WITH SPOTTED GUM BATTENS



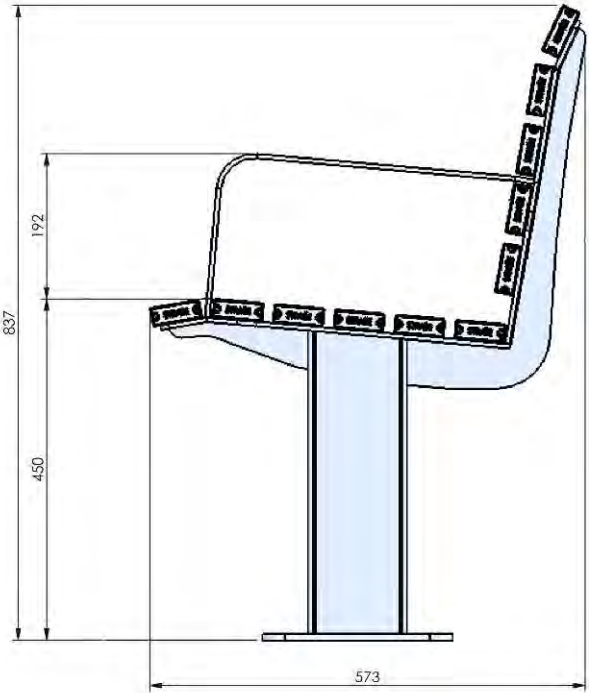
E SPOTTED GUM BATTENS
FOR VISUAL REFERENCE ONLY



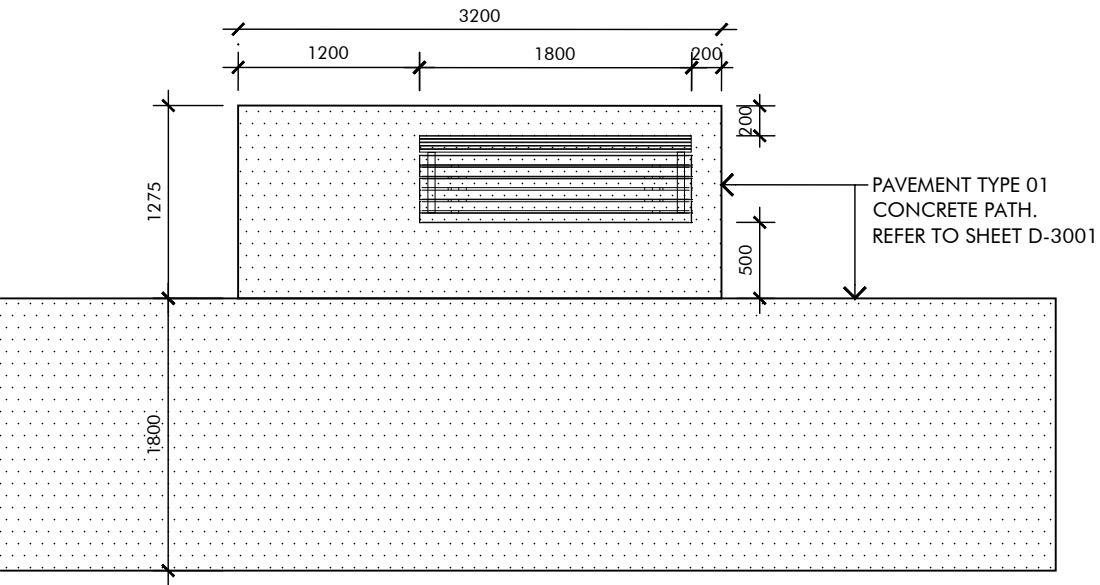
A FURNITURE TYPE 01 - PARK BENCH
PLAN - 1:10 @A3



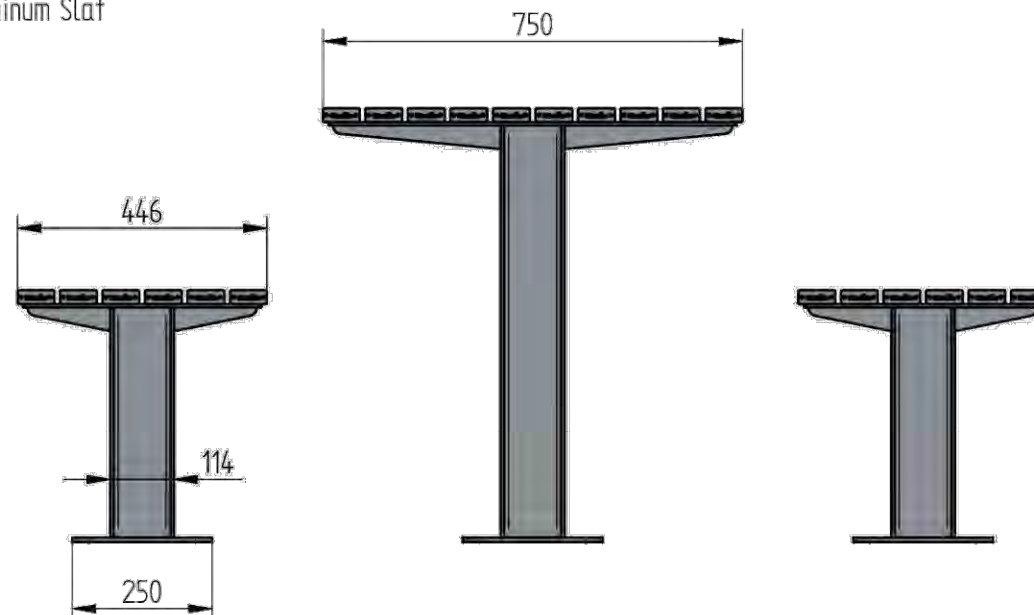
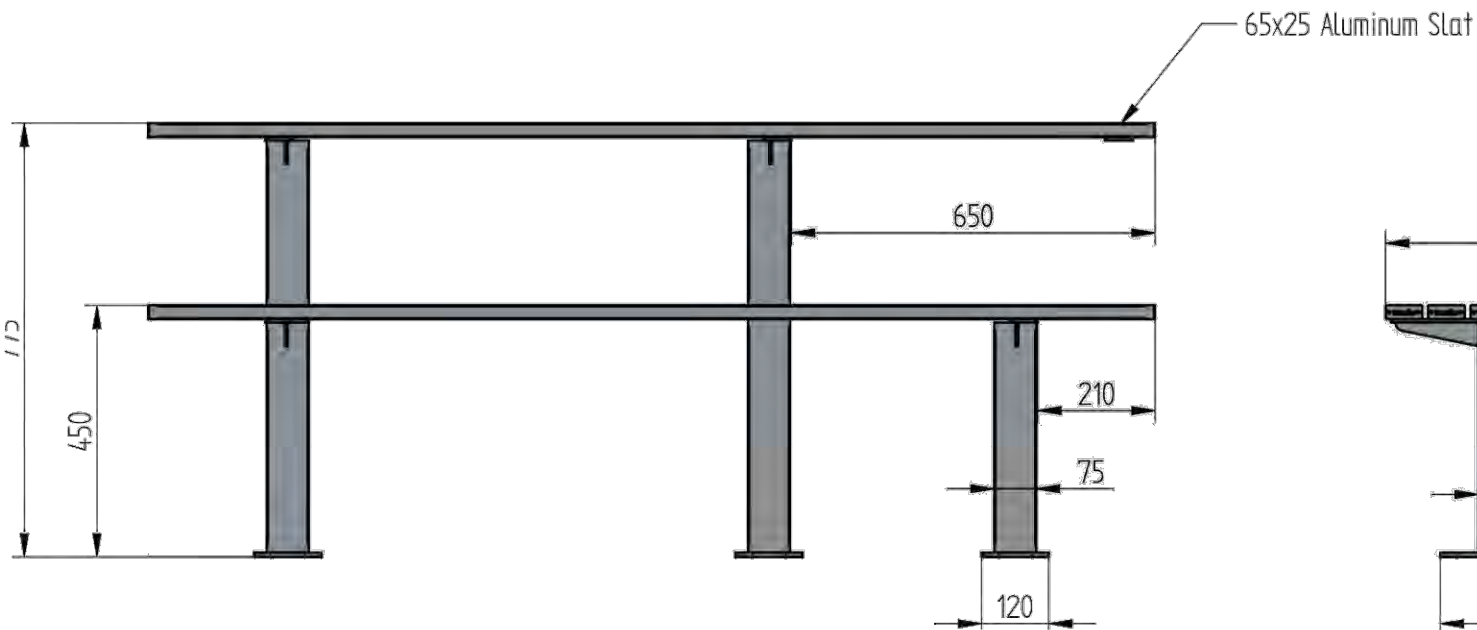
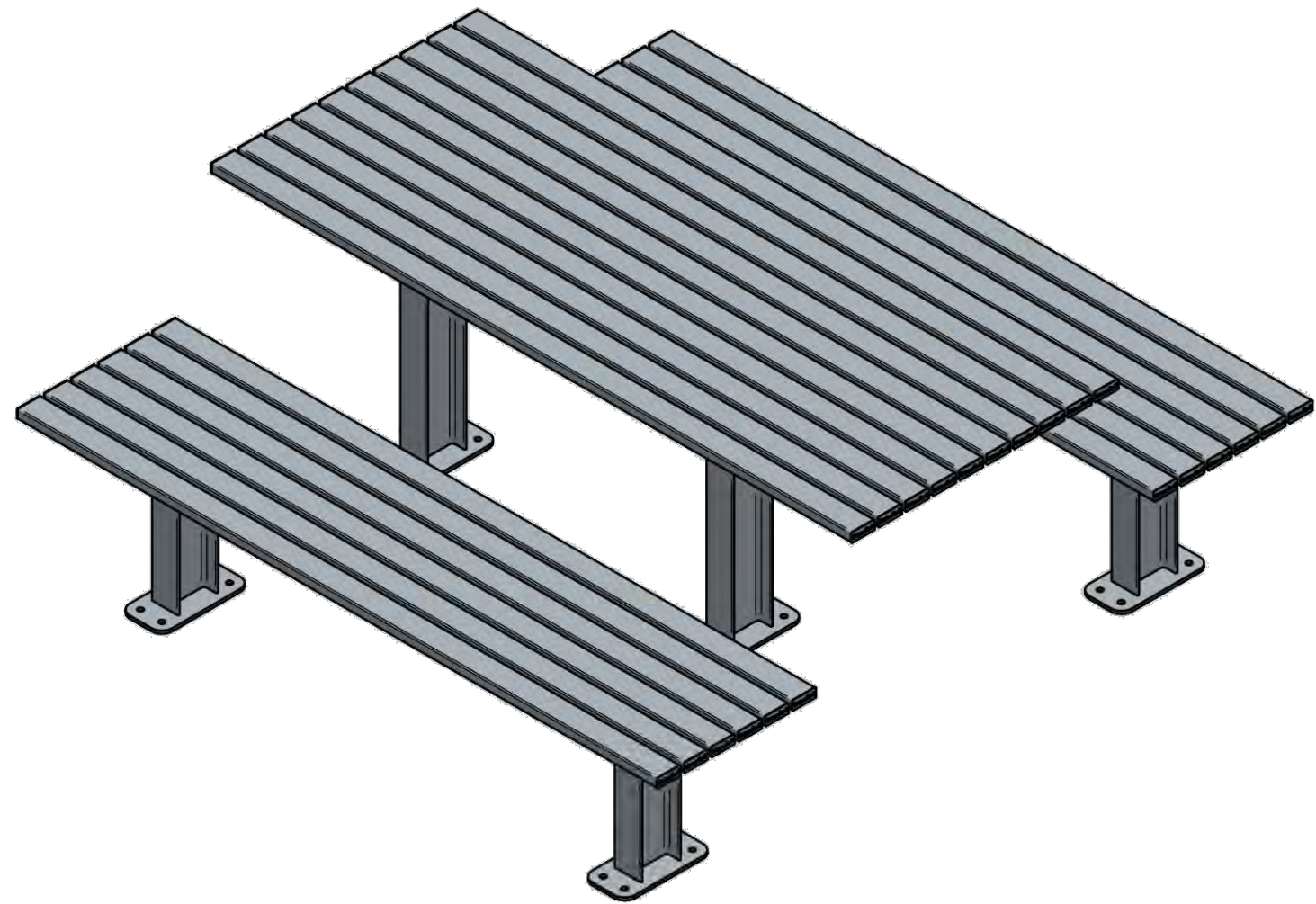
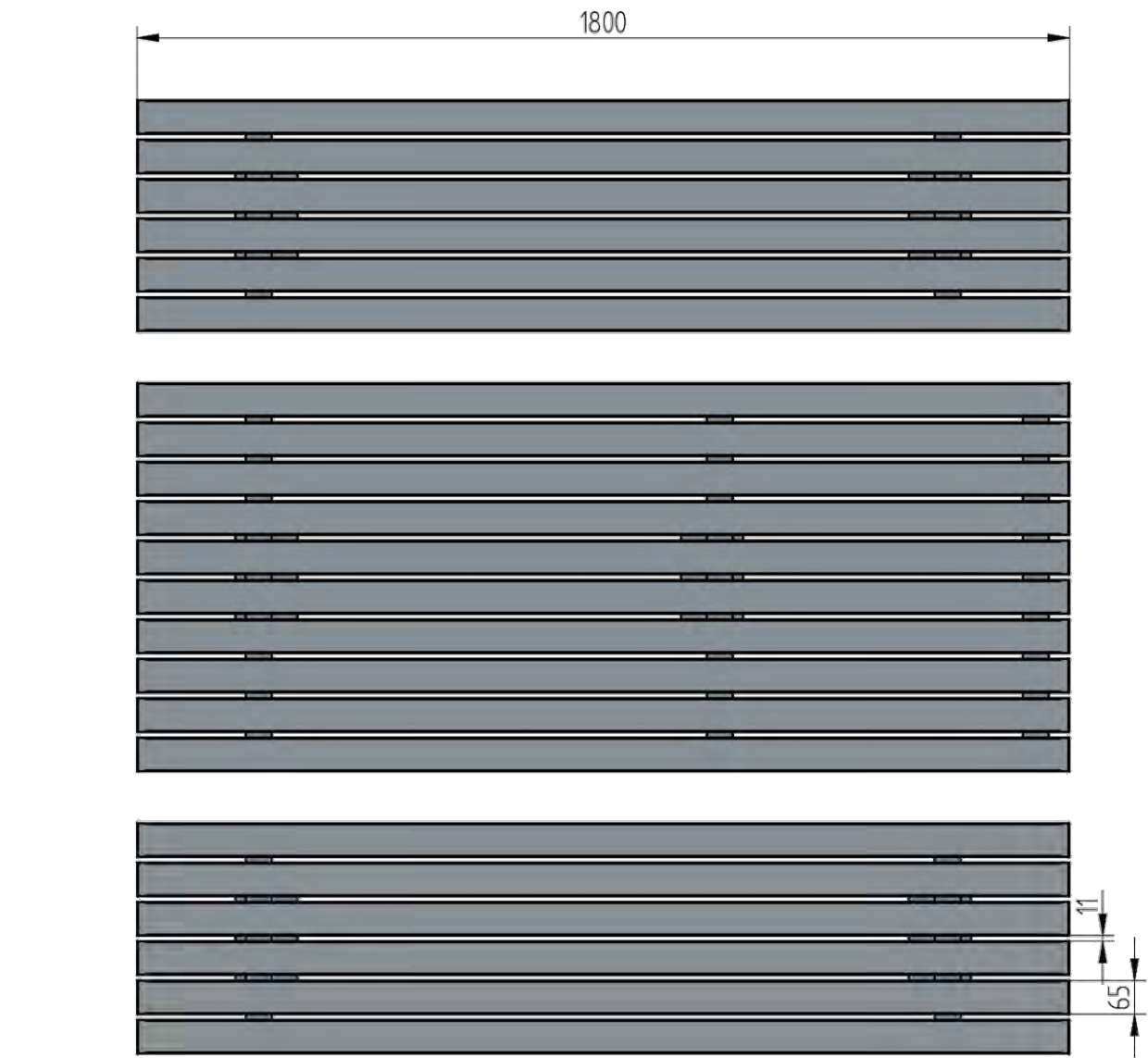
B FURNITURE TYPE 01 - PARK BENCH
ELEVATION - 1:10 @A3



B FURNITURE TYPE 01 - PARK BENCH
SECTION - 1:10 @A3

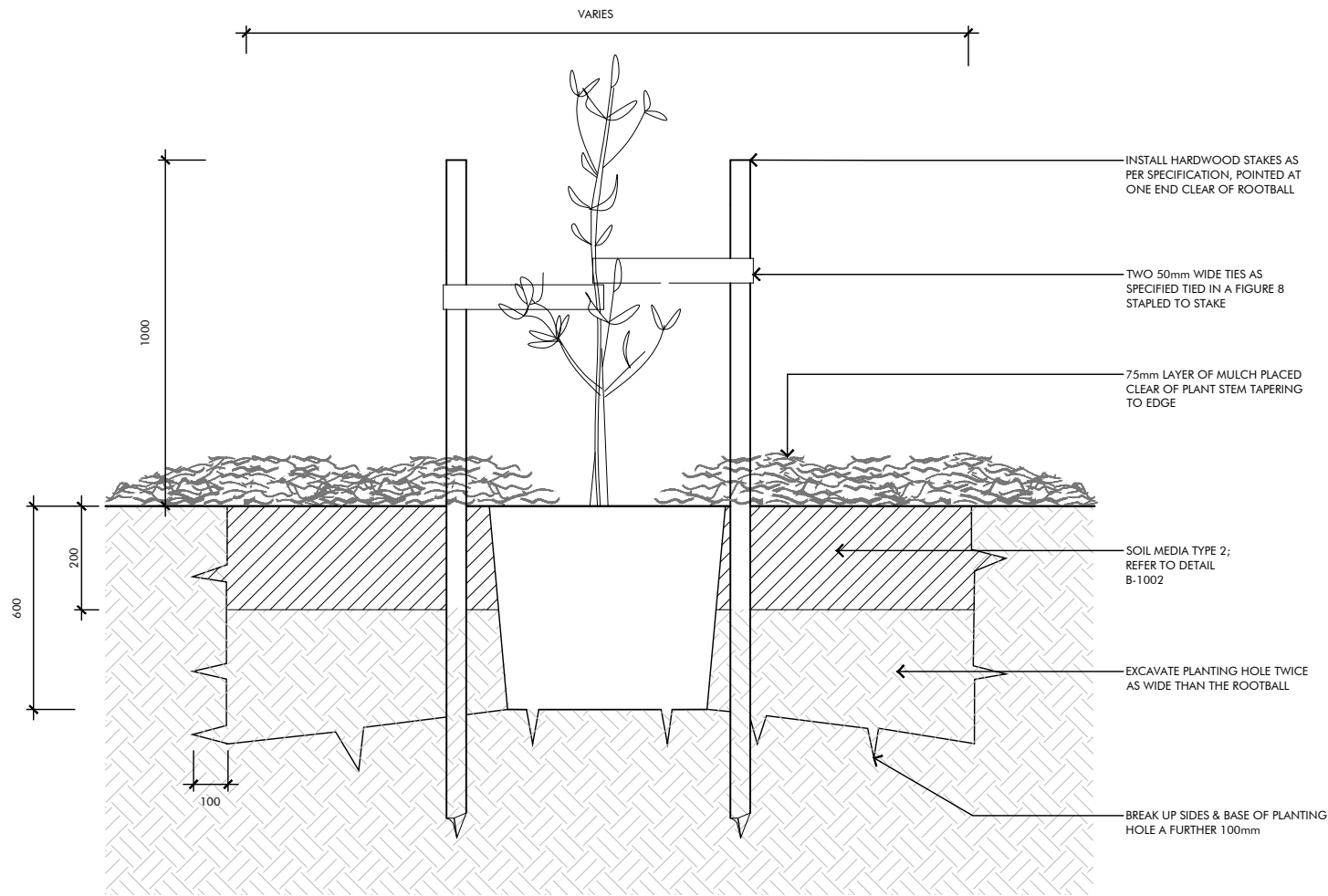


D FURNITURE TYPE 01 - PARK BENCH
TYPICAL SET OUT - 1:50 @A3

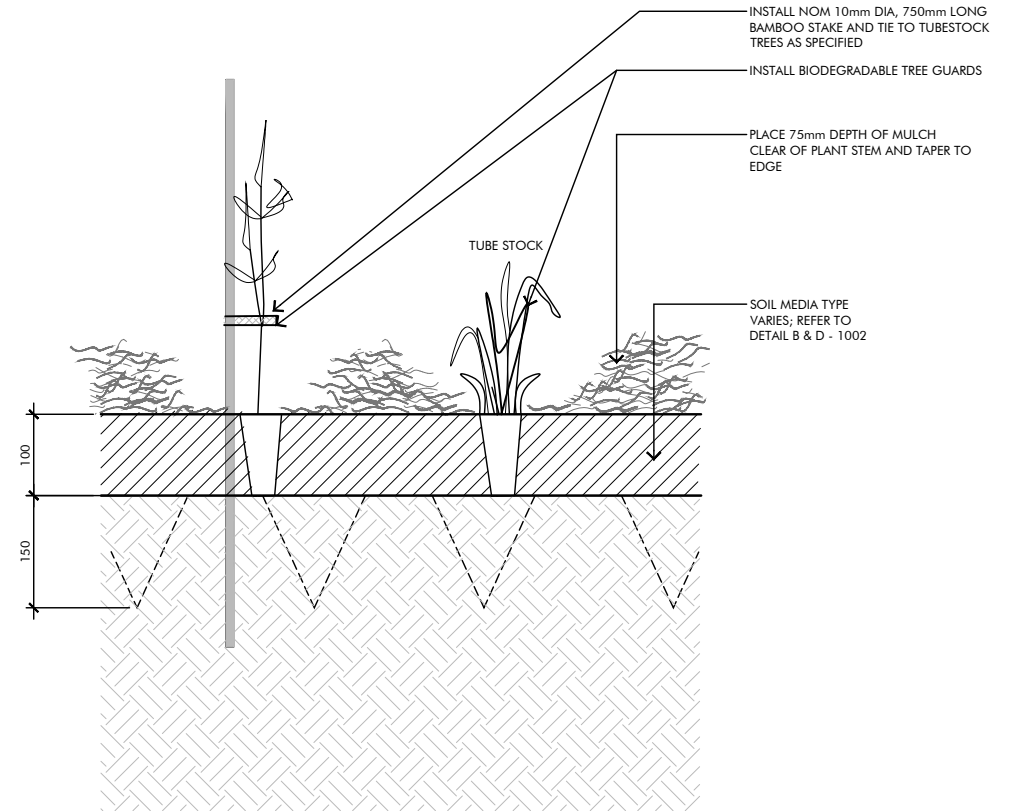


A SPOTTED GUM BATTENS
FOR VISUAL REFERENCE ONLY

- NOTE:
- TO BE SUPPLIED BY STRABE GROUP PTY LTD
 - MODEL NUMBER: TBL009-AL-SG
 - DDA COMPLIANT / WHEELCHAIR FRIENDLY TABLE SETTING
 - MODEL TYPE: STRABE ION TABLE SETTING
 - FINISH: POWDER COATED (MATTE BLACK) / SPOTTED GUM BATTENS (NO ALLOY BATTENS)
 - SURFACE MOUNTED



A TREE PLANTING - TYPICAL DETAIL
1:20 @ A3



B MASS PLANTING - TYPICAL DETAIL
1:10 @ A3



C BIODEGRADABLE TREE GUARD (300x95x95)
FOR VISUAL REFERENCE ONLY