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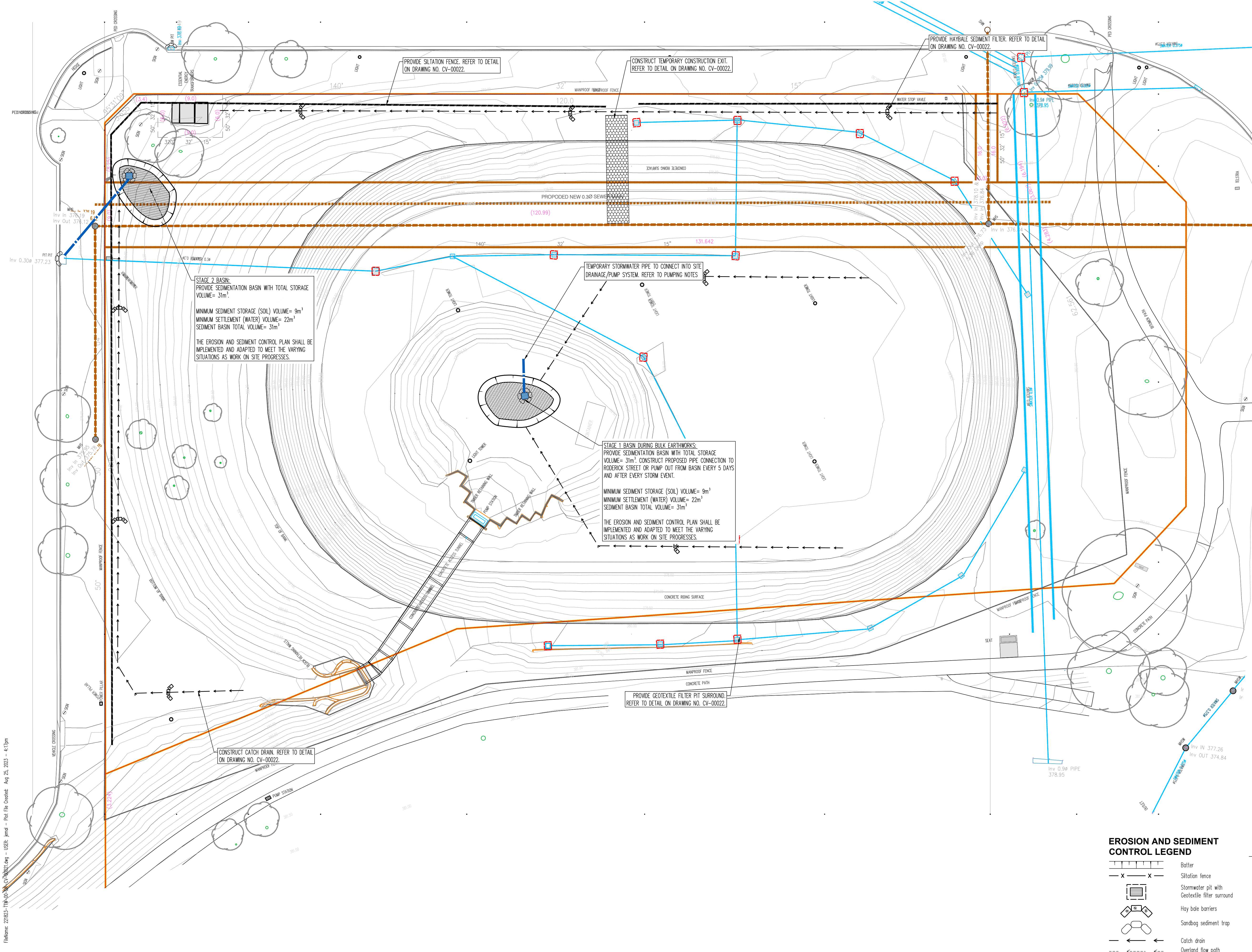
Project

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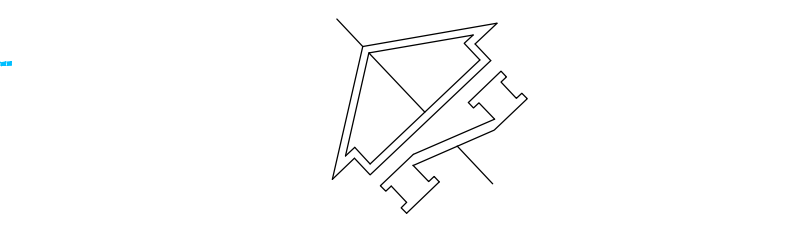
TAMWORTH

Scale : A1	Drawn	Authorised
NTS	SS	NB
Job No	Drawing No	Revision
221823-TTW-00-DR-CV-00000		P1
Plot File Created: Aug 25, 2023 - 4:00pm		

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EROSION AND SEDIMENT CONTROL NOTES

- 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").
- 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 adapted to meet the varying situations as work on site progresses.
- Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
- When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
- Minimise the area of site being disturbed at any one time.
- Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
- 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.
- Control water from upstream of the site such that it does not enter the disturbed site.
- All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
- All vehicles leaving the site shall be cleaned and inspected before leaving.
- Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
- Clean out all erosion and sediment control devices after each storm event.
- In case of forecast wet weather, contractor to secure and stabilise all equipment and ensure soil and water control measure are in place.
- Contractor to review and refer to geotechnical report prepared by JK Geotechnics (REF: 36020PNRp1) for ground investigations and provide measures accordingly.

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

WATER QUALITY TESTING REQUIREMENTS

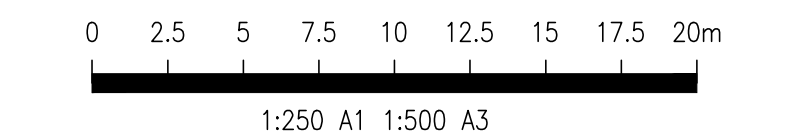
- Prior to discharge of site stormwater, groundwater and seepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:
- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
 - If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system. This should include comments from a suitably qualified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.

EROSION AND SEDIMENT CONTROL PUMP OUT NOTES

Any accumulated water contaminated with sediment, from a sediment basin or excavation pit, is to be flocculated or filtered in order to lower the suspended solid load to less than 50mg per litre gypsum gas or other approved flocculant should be applied within 24 hours of the end of the storm event. The gypsum must be spread evenly over the entire water surface. Pumping is not to occur for at least 36 hours and preferably 48 hours after application. Clean water is to be discharged to the water table via a hole bail sediment filter in a way that does not pick up sediment that has dropped to the bottom.
Note: gypsum is a hydrated form of calcium sulphate and is available at many swimming pool shops and hardware stores.

EROSION AND SEDIMENT CONTROL LEGEND

- Batter
- Siltation fence
- Stormwater pit with Geotextile filter surround
- Hay bale barriers
- Sandbag sediment trap
- Catch drain
- Overland flow path



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A1 0 1 2 3 4 5 6 7 8 9 10			NTS			Engineer			Project			Sheet Subject			Scale : A1			Drawn			Authorised		
						Architect			TAMWORTH			SEDIMENT AND EROSION CONTROL PLAN			1:250			SS			NB		
P1 ISSUE FOR INFORMATION			NB SS 25.08.23												Job No			Drawing No			Revision		
Rev Description			Eng Draft Date			Rev Description			Eng Draft Date			Rev Description			221823-TTW-00-DR-CV-00021			P1			Plot File Created: Aug 25, 2023 - 4:17pm		

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Sheet Subject

SEDIMENT AND EROSION CONTROL PLAN

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1:250

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Job No

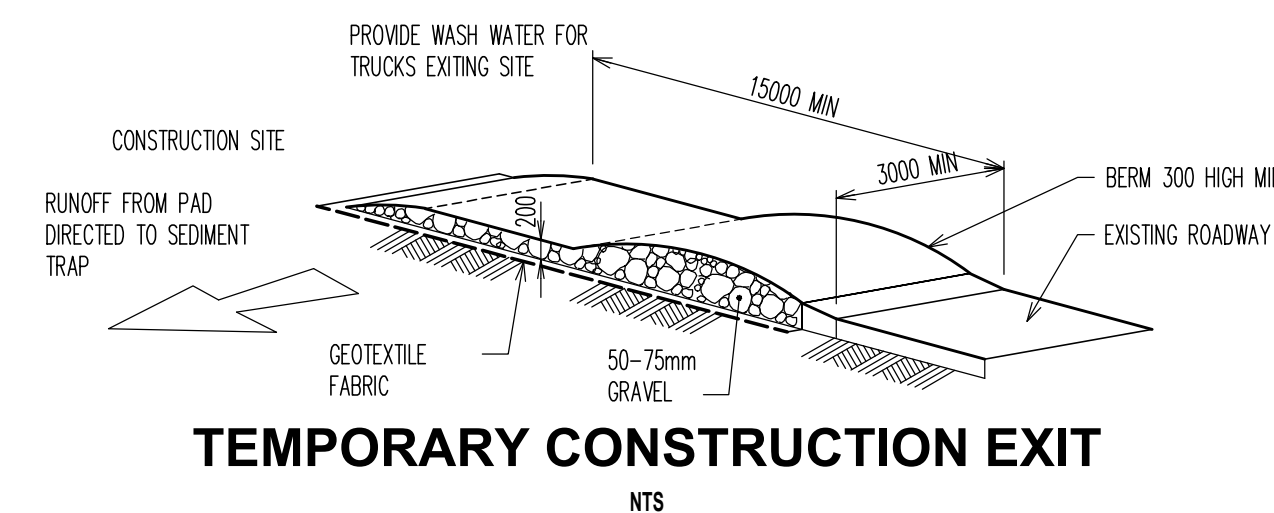
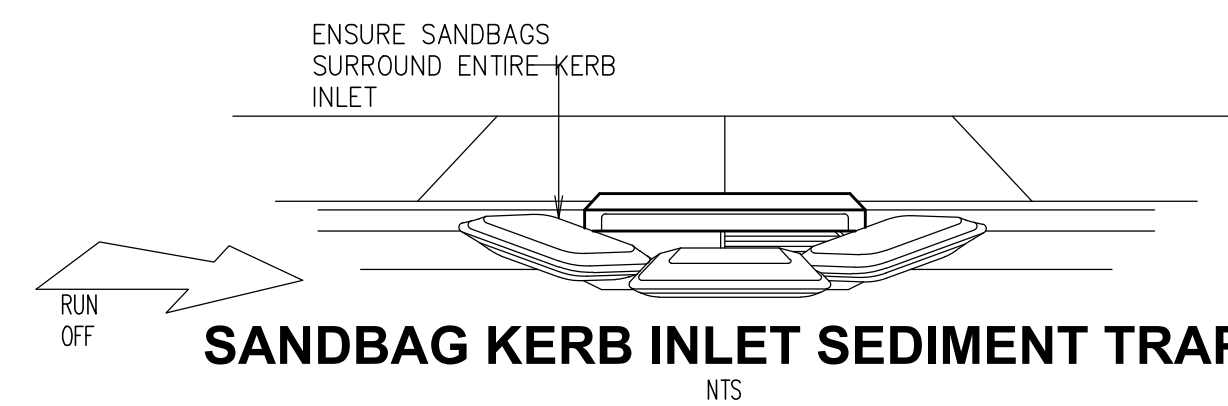
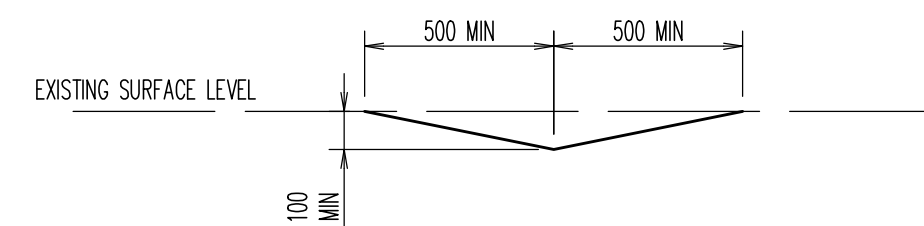
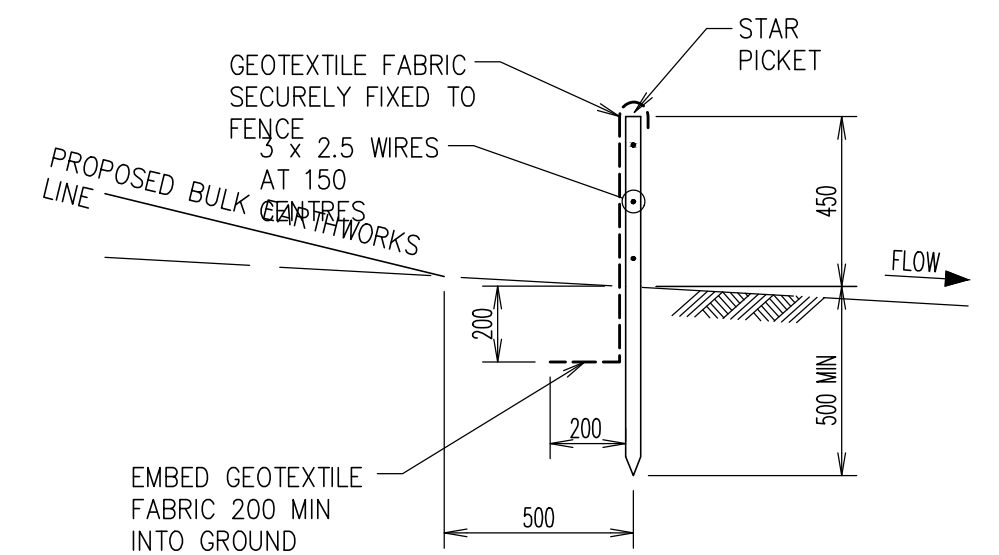
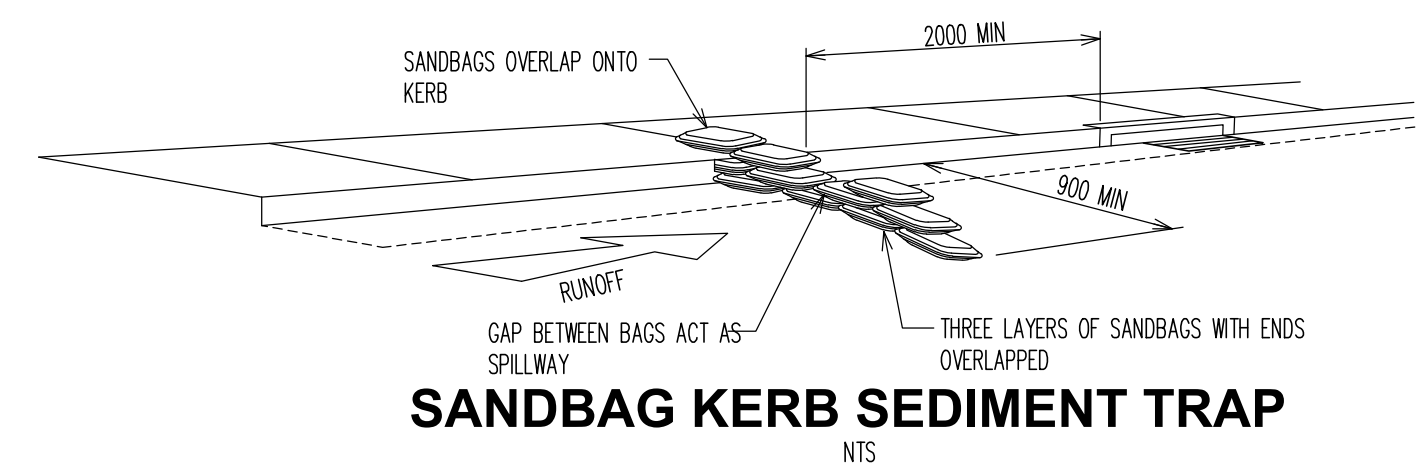
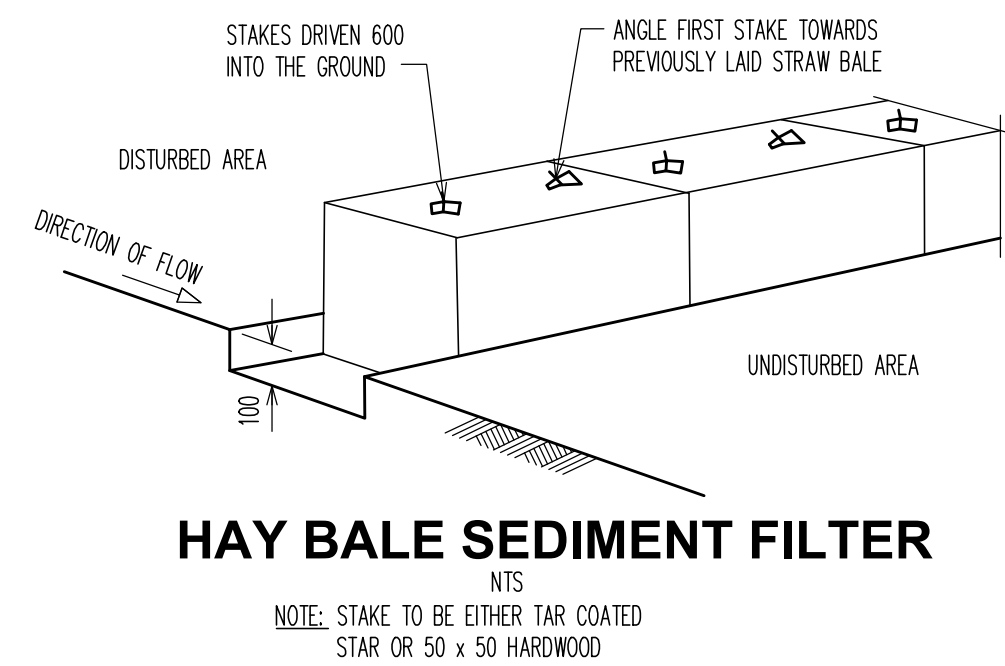
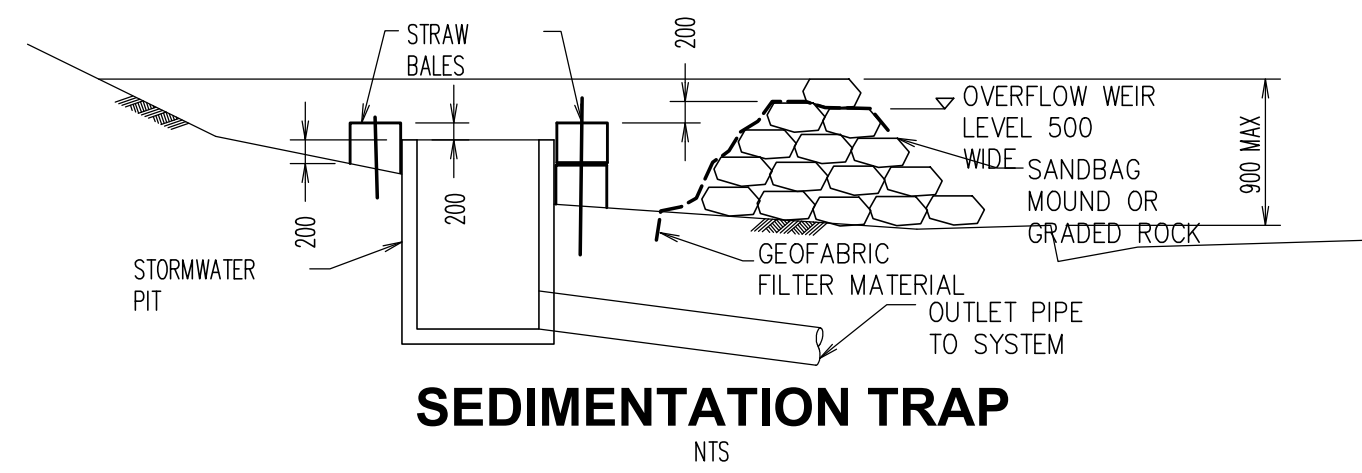
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P1 ISSUE FOR INFORMATION				N8 SS 25.08.23										
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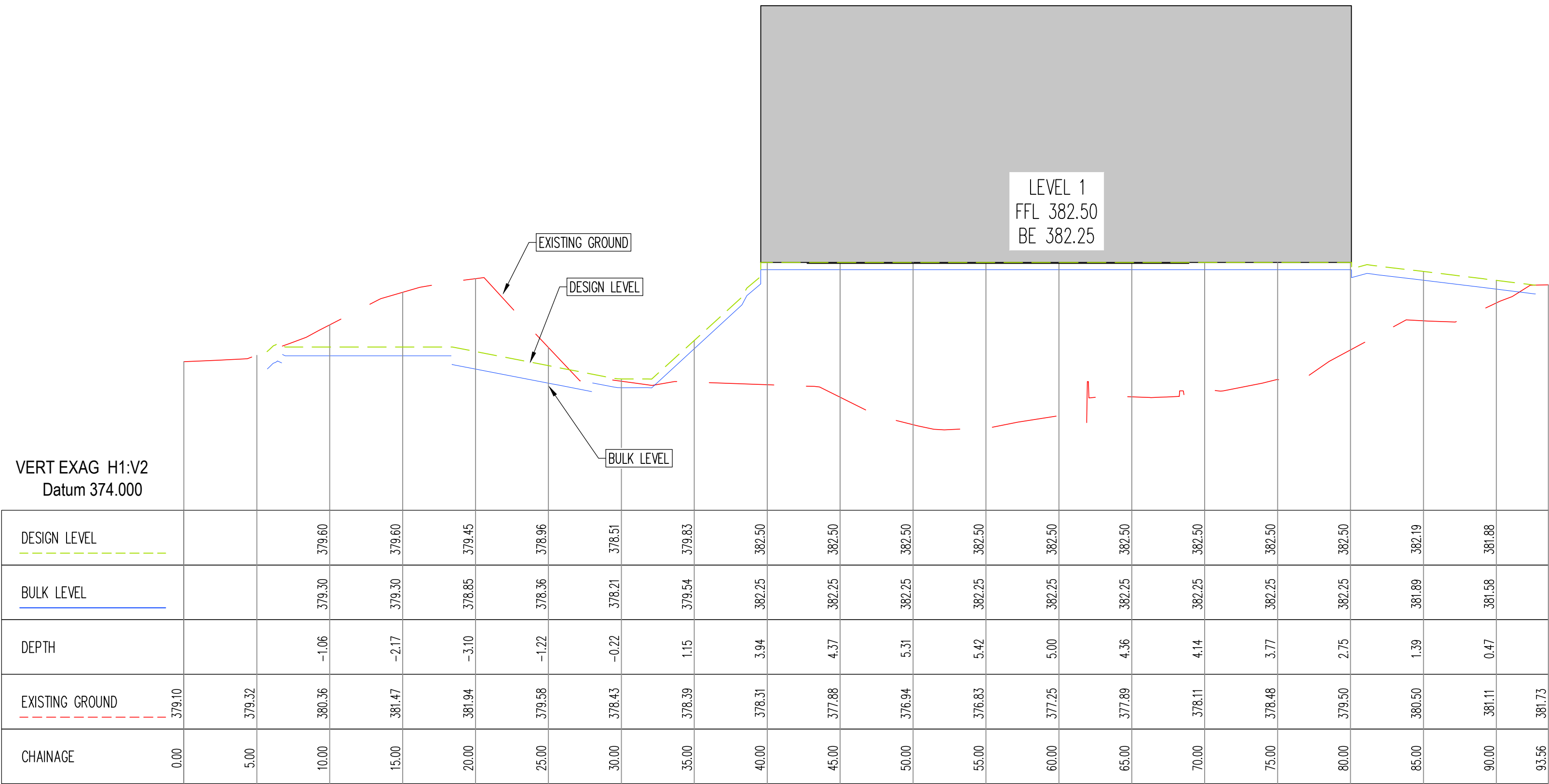
TAMWORTH

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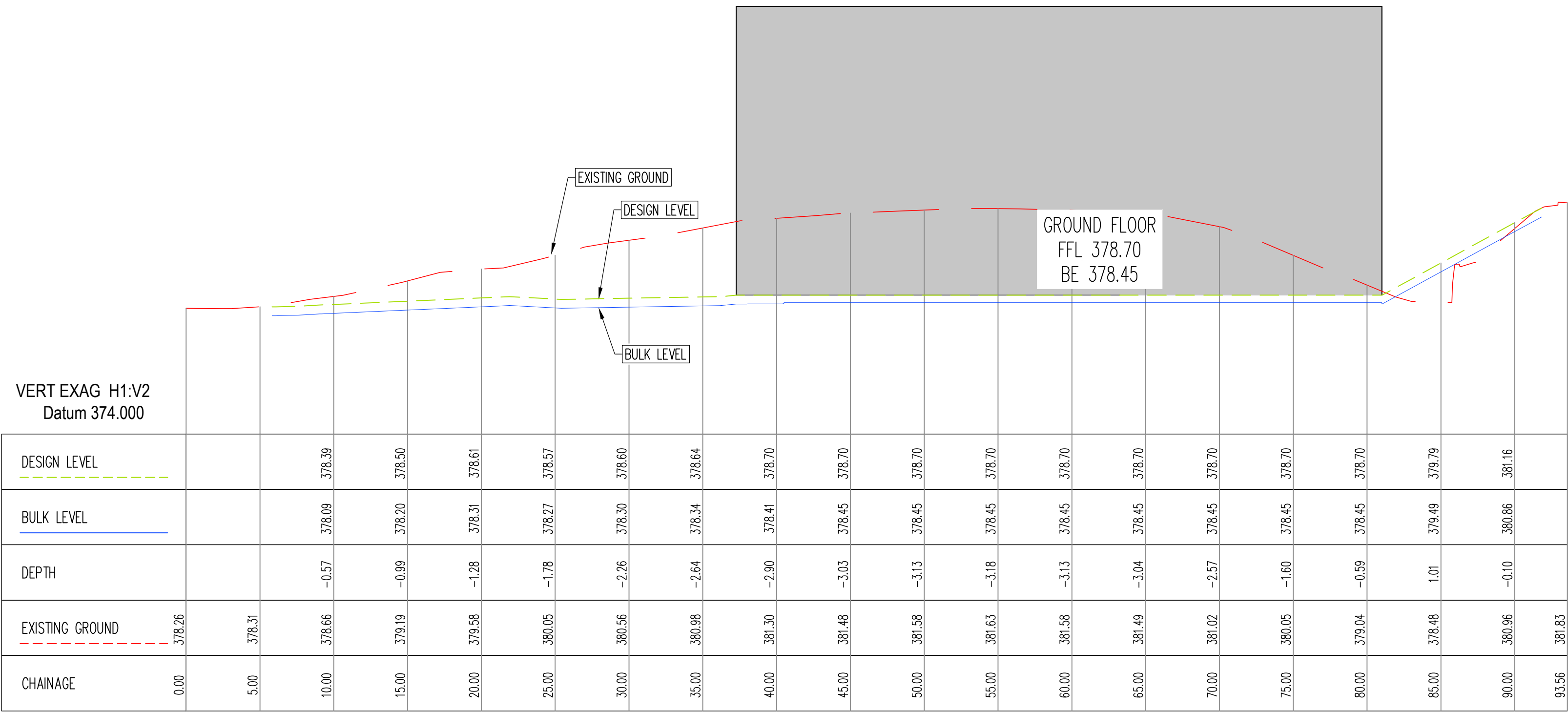
**SEDIMENT AND EROSION
CONTROL PLAN**

Scale : A1	Drawn	Authorised
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Job No	Drawing No	Revision
221823-TTW-00-DR-CV-00022		P1
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SECTION 3 LONG SECTION



SECTION 4 LONG SECTION

Filename: SKC12 BULK SECTIONS SHEET 2 OF 5.dwg - User: gphw - Plot File Created: Aug 31, 2023 - 8:52am

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P3	ISSUE FOR INFORMATION	NB	AW	31.08.23																
P2	ISSUE FOR INFORMATION	NB	AW	30.08.23																
P1	ISSUE FOR INFORMATION	NB	AW	30.08.23																
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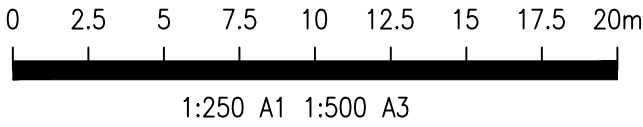
Project
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Sheet Subject
**BULK EARTHWORKS SECTIONS SHEET 2
OPTION 5**

Scale : A1
1:250
Job No
221823
Plot File Created: Aug 31, 2023 - 9:52am

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SKC12

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BULK EARTHWORKS SECTIONS SHEET 1
OPTION 5

AW NB

Revision
P3

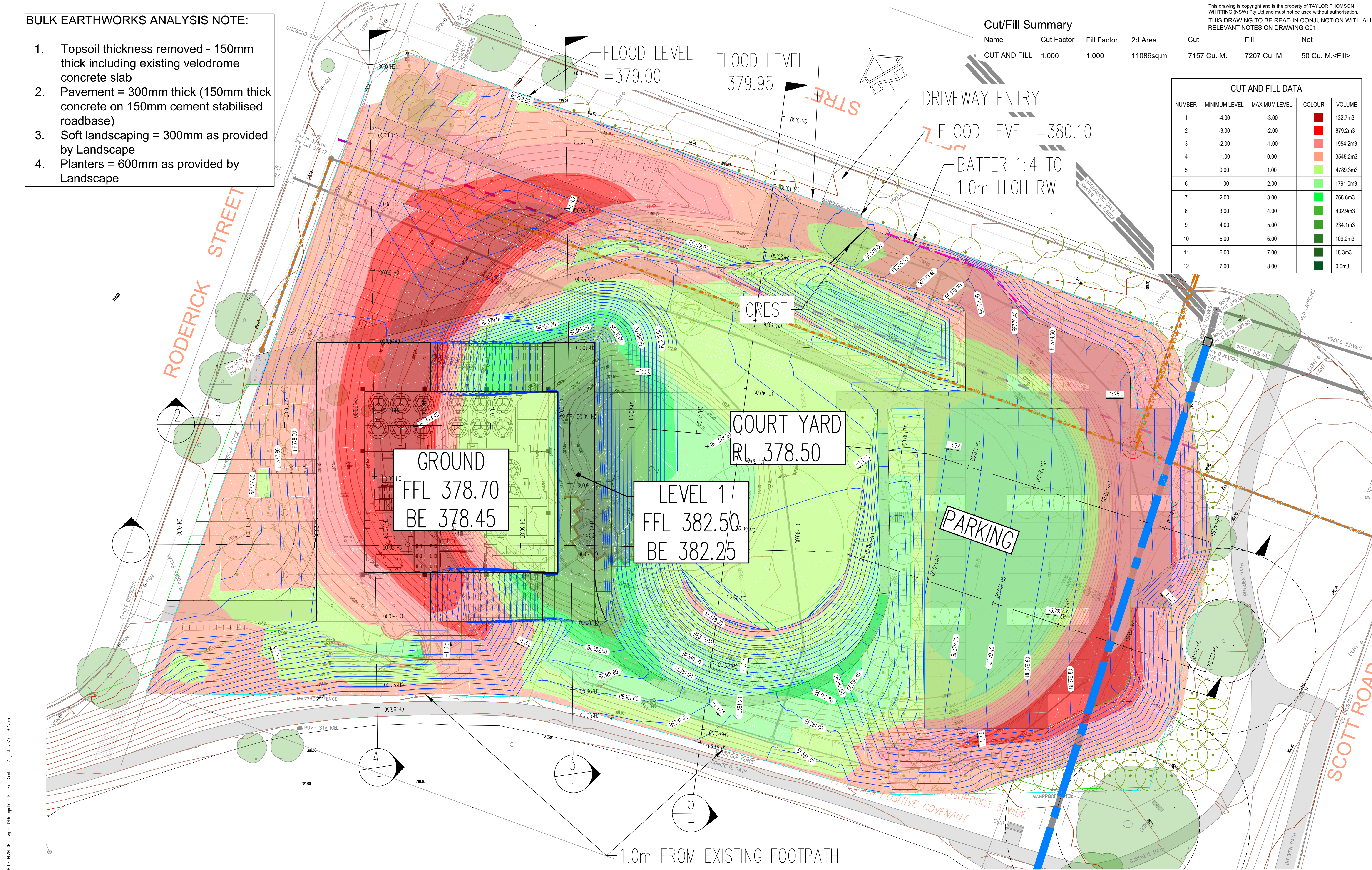
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- BULK EARTHWORKS ANALYSIS NOTE:**
- 1. Topsoil thickness removed - 150mm thick including existing velodrome concrete slab
 - 2. Pavement = 300mm thick (150mm thick concrete on 150mm cement stabilised roadbase)
 - 3. Soft landscaping = 300mm as provided by Landscape
 - 4. Planters = 600mm as provided by Landscape

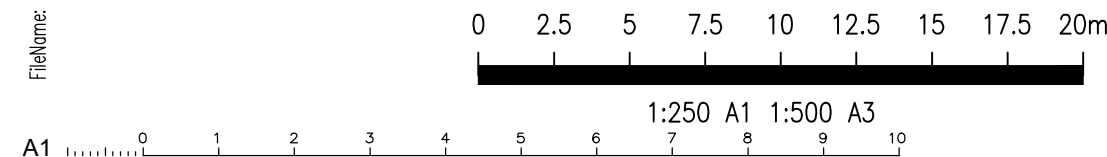
Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
CUT AND FILL	1.000	1.000	11086sq.m	7157 Cu. M.	7207 Cu. M.	50 Cu. M.<Fill>

CUT AND FILL DATA					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	VOLUME	
1	-4.00	-3.00	Red	132.7m3	
2	-3.00	-2.00	Red	879.2m3	
3	-2.00	-1.00	Red	1954.2m3	
4	-1.00	0.00	Orange	3545.2m3	
5	0.00	1.00	Light Green	4789.3m3	
6	1.00	2.00	Light Green	1791.0m3	
7	2.00	3.00	Green	768.6m3	
8	3.00	4.00	Green	432.9m3	
9	4.00	5.00	Green	234.1m3	
10	5.00	6.00	Green	109.2m3	
11	6.00	7.00	Green	18.3m3	
12	7.00	8.00	Green	0.0m3	



File: SKC08 BULK PLAN (P 5.dwg) - User: apth - Plot File Created: Aug 31, 2023 - 8:47am



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P3	ISSUE FOR INFORMATION	NB	AW	31.08.23										
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P1	ISSUE FOR INFORMATION	NB	AW	30.08.23										

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Sheet Subject

BULK EARTHWORKS PLAN
OPTION 5

Scale : A1

1:250

Job No

221823

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