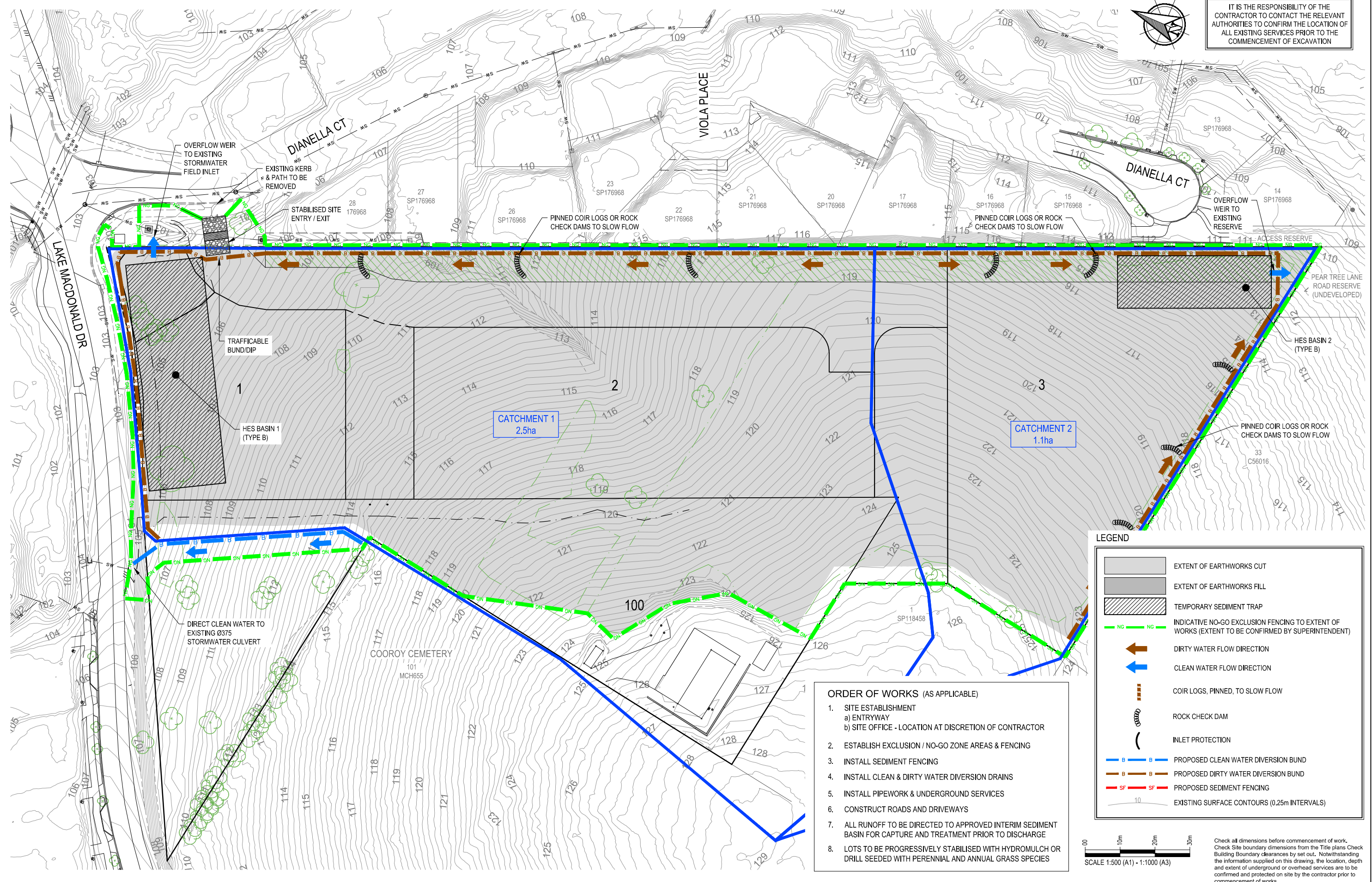


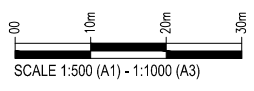
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT AUTHORITIES TO CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF EXCAVATION



- ORDER OF WORKS (AS APPLICABLE)**
- SITE ESTABLISHMENT
    - ENTRYWAY
    - SITE OFFICE - LOCATION AT DISCRETION OF CONTRACTOR
  - ESTABLISH EXCLUSION / NO-GO ZONE AREAS & FENCING
  - INSTALL SEDIMENT FENCING
  - INSTALL CLEAN & DIRTY WATER DIVERSION DRAINS
  - INSTALL PIPEWORK & UNDERGROUND SERVICES
  - CONSTRUCT ROADS AND DRIVEWAYS
  - ALL RUNOFF TO BE DIRECTED TO APPROVED INTERIM SEDIMENT BASIN FOR CAPTURE AND TREATMENT PRIOR TO DISCHARGE
  - LOTS TO BE PROGRESSIVELY STABILISED WITH HYDROMULCH OR DRILL SEEDED WITH PERENNIAL AND ANNUAL GRASS SPECIES

**LEGEND**

- EXTENT OF EARTHWORKS CUT
- EXTENT OF EARTHWORKS FILL
- TEMPORARY SEDIMENT TRAP
- INDICATIVE NO-GO EXCLUSION FENCING TO EXTENT OF WORKS (EXTENT TO BE CONFIRMED BY SUPERINTENDENT)
- DIRTY WATER FLOW DIRECTION
- CLEAN WATER FLOW DIRECTION
- COIR LOGS, PINNED, TO SLOW FLOW
- ROCK CHECK DAM
- INLET PROTECTION
- PROPOSED CLEAN WATER DIVERSION BUND
- PROPOSED DIRTY WATER DIVERSION BUND
- PROPOSED SEDIMENT FENCING
- EXISTING SURFACE CONTOURS (0.25m INTERVALS)



Check all dimensions before commencement of work. Check Site boundary dimensions from the Title plans Check Building Boundary clearances by set out. Notwithstanding the information supplied on this drawing, the location, depth and extent of underground or overhead services are to be confirmed and protected on site by the contractor prior to commencement of works.

Checked - CT	
Design - SK	Drawn - SK
Scales - AS SHOWN	
Document Stage - APPROVAL	

Issue Date	Description	By
D 24/03/2025	UPDATED PROJECT NAME	SK
C 14/03/2025	UPDATED LOT LAYOUT	SK
B 20/09/2024	ISSUE FOR APPROVAL	SK
A 14/12/23	PRELIMINARY ISSUE	SK



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Drawing title -  
**EROSION & SEDIMENT CONTROL PLAN - PHASE 1**

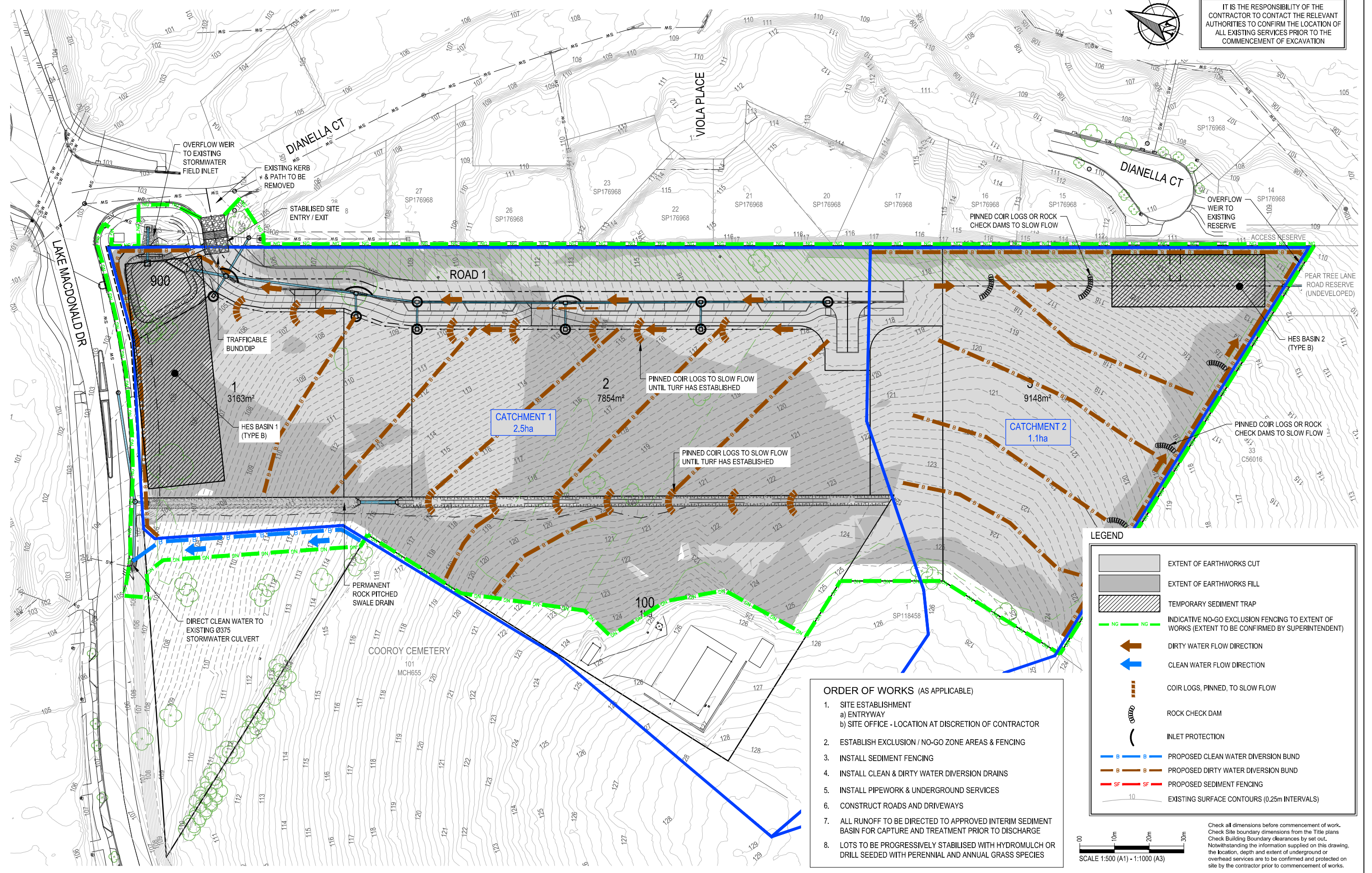
Project - **PROPOSED 1 INTO 3 DEVELOPMENT**  
 Client - **NOOSA COUNCIL**

Site - **62 LAKE MACDONALD DRIVE, COOROY**

Project No. 233467 Sheet No. C140  
 Digital Ref : C140 EROSION & SEDIMENT CONTROL PLAN SHEET 1 Issue : D  
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IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT AUTHORITIES TO CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF EXCAVATION



**LEGEND**

- EXTENT OF EARTHWORKS CUT
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- TEMPORARY SEDIMENT TRAP
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- ORDER OF WORKS (AS APPLICABLE)**
1. SITE ESTABLISHMENT
    - a) ENTRYWAY
    - b) SITE OFFICE - LOCATION AT DISCRETION OF CONTRACTOR
  2. ESTABLISH EXCLUSION / NO-GO ZONE AREAS & FENCING
  3. INSTALL SEDIMENT FENCING
  4. INSTALL CLEAN & DIRTY WATER DIVERSION DRAINS
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  6. CONSTRUCT ROADS AND DRIVEWAYS
  7. ALL RUNOFF TO BE DIRECTED TO APPROVED INTERIM SEDIMENT BASIN FOR CAPTURE AND TREATMENT PRIOR TO DISCHARGE
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SCALE 1:500 (A1) - 1:1000 (A3)

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Design - SK	Drawn - SK		
Scales - AS SHOWN			
Document Stage - APPROVAL			
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D 24/03/2025	UPDATED PROJECT NAME	SK	
C 14/03/2025	UPDATED LOT LAYOUT	SK	
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Drawing title -  
**EROSION & SEDIMENT CONTROL PLAN - PHASE 2**

Project - **PROPOSED 1 INTO 3 DEVELOPMENT**

Client - **NOOSA COUNCIL**

Site - **62 LAKE MACDONALD DRIVE, COOROY**

Project No.233467 Sheet No. C141

Digital Ref : C141 EROSION & SEDIMENT CONTROL PLAN SHEET 2 Issue : D

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# EROSION AND SEDIMENT CONTROL DETAILS

ALL EROSION AND SEDIMENT IN ACCORDANCE WITH IECA MANUAL FOR EROSION AND SEDIMENT CONTROL

## EROSION AND SEDIMENT CONTROL NOTES

THE FOLLOWING NOTES AND DETAILS PROVIDE INFORMATION ON THE CONTROLS AND PROCEDURES THAT ARE TO BE IMPLEMENTED AS PART OF THE EROSION AND SEDIMENT CONTROL PLAN (E&SCP). THESE MEASURES ARE CONSIDERED SUFFICIENT TO ENSURE THE EROSION AND SEDIMENT CONTROL STANDARD WILL BE MET, GIVEN THE SITE CHARACTERISTICS, PROPOSED DEVELOPMENT AND CONTROL MEASURES.

## CONSTRUCTION MANAGEMENT PLAN

### OBJECTIVE/TARGET

TO ENSURE THAT:  
(A) STORMWATER QUALITY LEAVING THE SITE IS OF ACCEPTABLE STANDARDS (<50MG/L TSS AND <75 NTU).  
(B) EROSION AND SEDIMENTATION DURING CONSTRUCTION IS MINIMISED.

THE ABOVE OBJECTIVES ARE TO BE ACHIEVED BY COMPLYING WITH THE FOLLOWING REGULATIONS AND GUIDELINES:

- EPACT 1994 AND RELEVANT POLICES.
- INSTITUTION OF ENGINEERS SEDIMENT AND EROSION CONTROL GUIDELINES.
- IECA'S BEST PRACTICE EROSION & SEDIMENT CONTROL

### MANAGEMENT STRATEGY

THE SITE FOREMAN WILL BE RESPONSIBLE FOR:

- IDENTIFYING AND CHECKING STORMWATER LAND FLOWS.
- PROVIDE BARRIERS AND OTHER MEASURES TO PREVENT STORMWATER FLOWS OVER EMBANKMENTS AND SEDIMENTS INTO EXISTING GULLY PITS.

### TASKS/ACTION PRE-CONSTRUCTION

BEFORE CONSTRUCTION ACTIVITIES BEGIN, THE FOLLOWING MEASURES NEED TO BE IMPLEMENTED TO MINIMIZE DISTURBANCE AND ADVERSE WATER QUALITY IMPACTS.

- SEDIMENT FENCES ARE TO BE CONSTRUCTED AT THE TOP OF EMBANKMENTS AND AT THE BASE OF FILL EMBANKMENTS.
- DIVERSION BANKS TO BE CREATED AT THE UPSTREAM BOUNDARY OF CONSTRUCTION ACTIVITIES TO ENSURE UPSTREAM RUNOFF IS DIVERTED AROUND ANY AREAS TO BE EXPOSED. CATCH-DRAINS AT THE DOWNSTREAM BOUNDARY OF CONSTRUCTION ACTIVITIES SHOULD ALSO BE CREATED (WHEREVER POSSIBLE) TO ENSURE ANY SEDIMENT-LADEN RUNOFF IS CONTAINED AND DIRECTED TOWARD TREATMENT AREAS AND NOT PERMITTED TO FLOW ONTO DOWNSTREAM UNDISTURBED AREAS. DIVERSION BANKS SHOULD BE CONSTRUCTED APPROXIMATELY ALONG CONTOURS TO MINIMIZE SCOUR ALONG THE DRAINS.
- SILT FENCES AND SAND BAGS WILL BE PLACED ALONG CATCH DRAINS TO SLOW FLOW, REDUCE SCOUR, MINIMIZE SEDIMENT FROM RUNOFF.
- STRATEGICALLY PLACE CHECK DAMS AROUND GULLY PITS. DESIGNATION OF AREAS FOR PLANT AND MATERIAL STORAGE.
- DESIGNATION AND MARKING OF TRANSPORT ROUTES ACROSS UNDISTURBED PORTIONS OF THE SITE TO MINIMIZE UNNECESSARY VEGETATION DISTURBANCE.
- EDUCATION OF SITE PERSONNEL TO THE SEDIMENT AND EROSION CONTROL MEASURES IMPLEMENTED ON SITE.

### TASKS/ACTIONS DURING CONSTRUCTION

MEASURES TO MITIGATE WATER QUALITY IMPACTS DURING CONSTRUCTION.

- CONSTRUCTION ACTIVITIES BE CONFINED WITHIN THE NECESSARY CONSTRUCTION AREAS(S)
- INSTALLATION OF SILT FENCES DOWNSTREAM OF DISTURBED AREAS. SILT FENCES SHOULD BE LOCATED CONTINUOUSLY ALONG CONTOURS AND SHOULD TREAT AREAS LESS THAN 0.6 HA. PER 100M OF SILT FENCE.
- WEEKLY INSPECTION AND MAINTENANCE OF SILT FENCES, SEDIMENT BASINS AND OTHER EROSION CONTROL MEASURES. CHECK FENCES AFTER RAINFALL EVENTS AND REMOVE COLLECTED MATERIAL WHEN FENCE IS 50% FULL. REPLACEMENT OF ANY DAMAGED EQUIPMENT SHOULD BE PERFORMED IMMEDIATELY.
- RETAIN SITE VEGETATION WHERE POSSIBLE AND SUITABLE.
- PROGRESSIVE RE-VEGETATION OF CUT AND FILL AREAS AND FILL BATTERS WITH TWO GRASS SPECIES IF SEEDING.
- MULCHING AND RETENTION OF VEGETATION AND TOPSOIL FOR FINAL SITE REHABILITATION AND LANDSCAPING WORKS.
- AIM FOR 60% COVERAGE WITHIN 20 DAYS AND 70% WITHIN 6 WEEKS
- RE-VEGETATION AND LANDSCAPING OF REMAINING EXPOSED AREAS USING THE TOPSOIL AND ANY MULCHED VEGETATION RETAINED FROM INITIAL SITE CLEARING. VEGETATION SHOULD BE WATERED AND MAINTAINED UNTIL IT IS SUITABLY ESTABLISHED.
- IF LANDSCAPING IS REQUIRED SPECIES TO BE USED SHOULD PREFERABLY BE NATIVE AND ENDEMIC TO THE AREA. REMOVAL/MANAGEMENT OF WEEDS.

### PERFORMANCE INDICATORS

THE SITE FOREMAN WILL CARRY OUT REGULAR CHECKS OF THE ONSITE SEDIMENT AND EROSION CONTROL MEASURES DURING CONSTRUCTION AND AFTER EVERY RAINFALL EVENT. THE CHECKS WILL INCLUDE THE FOLLOWING:

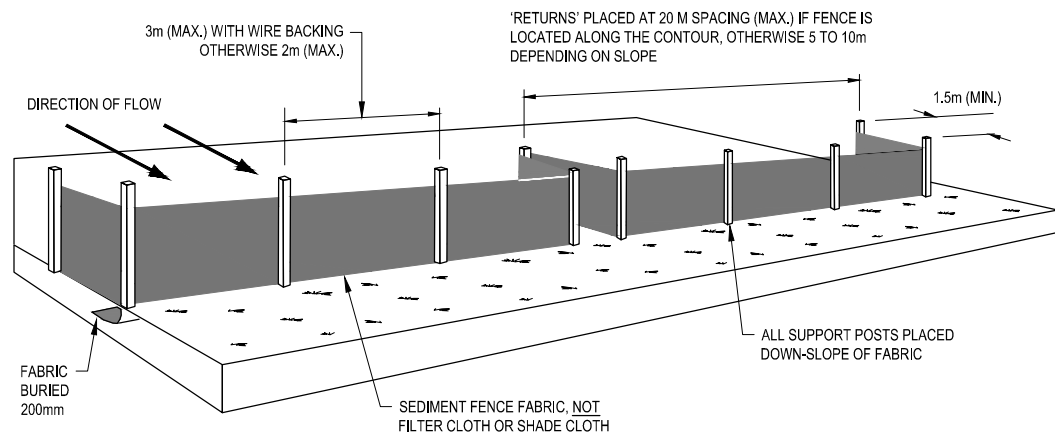
- EROSION AND SEDIMENT FLOWS CHECKED AT THE BASE OF EMBANKMENTS.
- NO VISIBLE EVIDENCE OF INCREASED TURBIDITY DIRECTLY ATTRIBUTED TO CONSTRUCTION ACTIVITIES.
- NO VISUAL EVIDENCE OF SCOURING.
- CONSTRUCTED CHECK DAMS TO BE INSPECTED DURING RAINFALL EVENTS TO ENSURE THEY ARE OPERATING CORRECTLY.

### FREQUENCY/DEADLINE

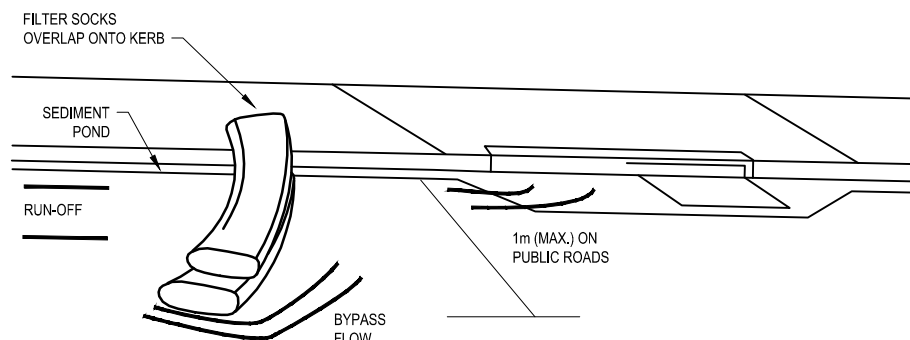
- MATERIAL STOCKPILES WILL BE INSPECTED REGULARLY TO CONFIRM THEIR LOCATION IS NOT RESULTING IN THE GENERATION AND UNCONTROLLED TRANSPORT OF SEDIMENT.
- INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES AND STRUCTURES TO BE UNDERTAKEN AFTER EACH RAINFALL EVENT.
- IF AREAS ARE BEING RE-VEGETATED FOLLOWING COMPLETION OF CONSTRUCTION, THESE AREAS WILL BE INSPECTED WEEKLY TO CONFIRM THAT VEGETATION IS BECOMING ESTABLISHED.

### REPORTING AND REVIEW

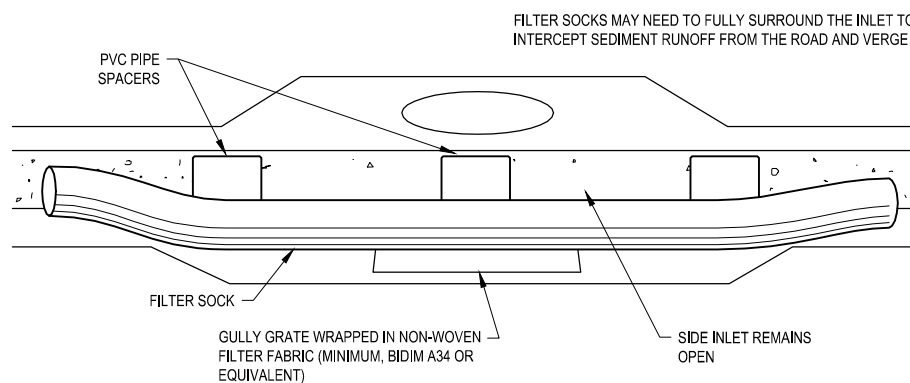
RESULTS OF INSPECTIONS WILL BE REPORTED AS PART OF THE DEVELOPERS REGULAR REPORTS TO THE NOOSA SHIRE COUNCIL SITE INSPECTOR.



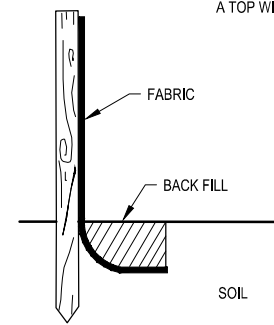
INSTALLATION OF SEDIMENT FENCE  
NOT TO SCALE



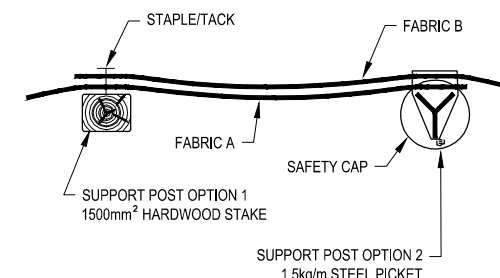
(A) ON-GRADE KERB INLET SEDIMENT TRAP



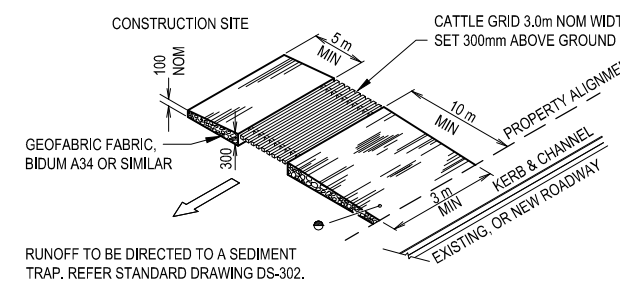
(B) SAG INLET SEDIMENT TRAP  
KERB INLET SEDIMENT TRAPS



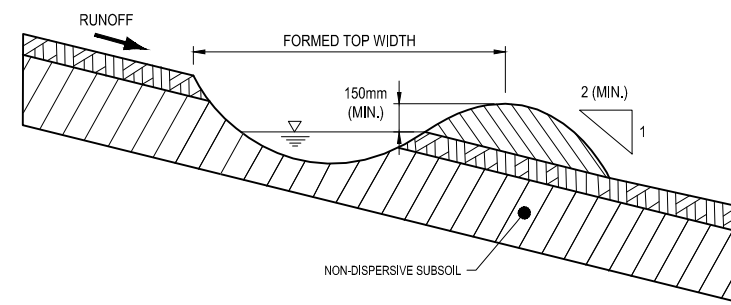
SEDIMENT FENCE ANCHORING BASE OF FABRIC  
NOT TO SCALE



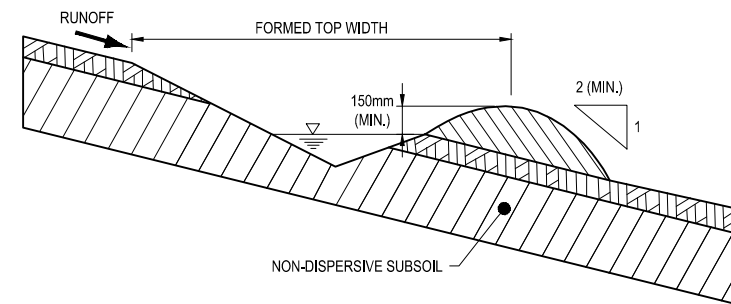
SEDIMENT FENCE JOINING FABRIC  
NOT TO SCALE



TEMPORARY ENTRY/EXIT



(A) PARABOLIC CATCH DRAIN WITH DOWN-SLOPE BANK



(B) TRIANGULAR V-DRAIN WITH DOWN-SLOPE BANK

## SEDIMENT FENCE CONSTRUCTION NOTES

1. SEDIMENT FENCE TO BE INSTALLED ALONG A LINE OF CONSTANT GROUND ELEVATION WHEREVER PRACTICAL.
2. BOTH ENDS OF THE SEDIMENT FENCE TO EXTEND UP THE SLOPE AT LEAST 1.0m.
3. SUPPORT POST TO BE SPACED A MAXIMUM 2.0m UNLESS THE FENCE IS SUPPORTED BY A TOP WIRE OR WIRE MESH BACKING, IN WHICH CASE 3.0m MAX. SPACING.
4. FENCE 'RETURNS' SHALL BE INSTALLED AT MAXIMUM 20m SPACING IF FENCE IS INSTALLED ALONG THE CONTOUR, OTHERWISE 5 TO 10m MAXIMUM SPACING.
5. MINIMUM 4 STAPLES OR TIE WIRES PER STAKE.

## TEMPORARY ENTRY/EXIT CONSTRUCTION NOTES

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15m LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3m WIDE.
5. WHERE SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP OR GRATE IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

## CATCH DRAIN CONSTRUCTION NOTES

1. EXCAVATE THE DIVERSION CHANNEL REMOVING ALL DEBRIS
2. ENSURE THE DRAIN INVERT MUST FALL 10cm EVERY 10m FOR EACH 1% OF CHANNEL GRADIENT
3. ENSURE THE SIDES OF THE CUT DRAIN ARE NO STEEPER THAN 1.5:1 (H:V) SLOPE AND THE EMBANKMENT FILL SLOPES ARE NO STEEPER THAN 2:1
4. ENSURE THE DRAIN DISCHARGES TO A STABLE OUTLET
5. IF GEOTEXTILE LINED FOLLOW THE METHOD OF INSTALLATION PROCEDURES PROVIDED BY THE MANUFACTURER OR DISTRIBUTOR OF THE PRODUCT.
6. INSPECT THE DIVERSION CHANNEL WEEKLY AND AFTER ANY INCREASE OF FLOWS OR RAIN EVENTS. REPAIR ANY SLUMPS, WHEEL TRACK DAMAGE OR LOSS OFF FREEBOARD
7. ON COMPLETION OF THE CONSTRUCTION WORK, REMOVE THE TEMPORARY DIVERSION CHANNEL. THE AREA IS TO BE STABILISED AND REHABILITATED APPROPRIATELY.

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	14/03/2025	UPDATED LOT LAYOUT	SK
	20/09/2024	ISSUE FOR APPROVAL	SK
	10/01/24	ISSUE FOR CLIENT REVIEW	SK



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MAROOCHYDORE QLD 4558

Drawing title -  
EROSION & SEDIMENT CONTROL  
DETAILS

Project - PROPOSED 1 INTO 3  
DEVELOPMENT  
Client - NOOSA COUNCIL

Site -  
62 LAKE MACDONALD DRIVE,  
COOROY

Project No. 233467 Sheet No. C142

Digital Ref: C142 EROSION & SEDIMENT CONTROL DETAILS Issue: D

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