

**NOTES**

1. CLEAN WATER DIVERSION ESTABLISHED IF NECESSARY.
2. SRP DESIGNED FOR TREATMENT OF CONSTRUCTION RUNOFF AND INTERIM STORMWATER RUNOFF FROM IMPERVIOUS AREA DURING USE.
3. DECANT DEVICE IN SRP DESIGNED AS PER TP90 FOR EXTENDED DETENTION OF IMPERVIOUS AREAS.
4. ON COMPLETION OF ESTABLISHMENT EARTHWORKS YARD TO BE FULLY COVERED WITH 50-100mm OF CLEAN HARDFILL.

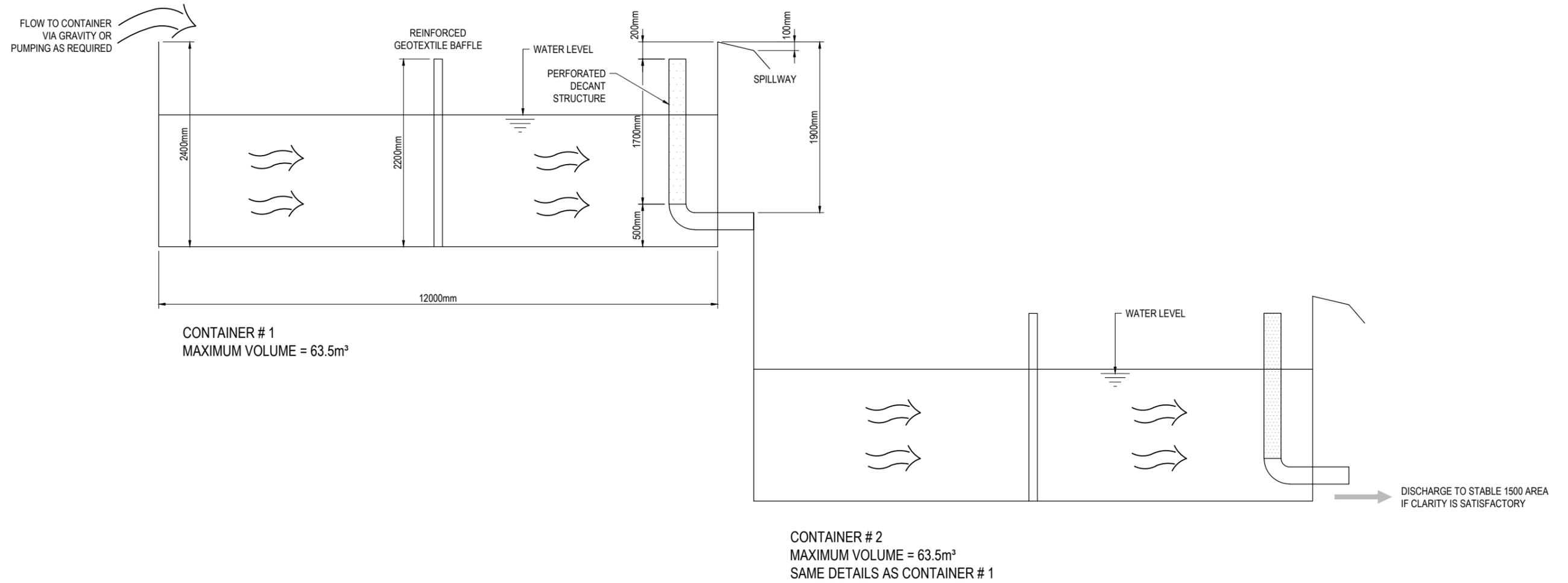
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date
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Approved BN*	Date JULY 2019		
Scale NTS	This Drawing must not be used for Construction unless signed as Approved		Original Size <b>A1</b>

Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>		
Title	<b>CONSTRUCTION WATER MANAGEMENT CONCEPTUAL CONSTRUCTION YARD LAYOUT</b>		
Contract:	<b>PA4156</b>	Drawing No:	<b>CW-071</b>
Sheet:	<b>1 OF 1</b>	Rev:	<b>0</b>



**CONTAINER IMPOUNDMENT SYSTEM**  
NTS

**NOTES:**

1. DRAWINGS NOT TO SCALE. SCHEMATIC ONLY.
2. BAFFLE DESIGNED FROM REINFORCED GEOTEXTILE TO ALLOW FLOWS TO PASS.
3. STRUCTURAL INTEGRITY OF CONTAINERS WOULD REMAIN.
4. CONTAINER # 1 WILL BE POSITIONED 1900mm HIGHER THAN CONTAINER # 2. IF CONTOURS DO NOT ALLOW THIS THEN CONTAINER # 1 WILL BE ARTIFICIALLY RAISED BY 1900mm.
5. WATER CLARITY CAN BE CHECKED IN CONTAINER # 2 AND FLOCCULENT ADDED MANUALLY IF NECESSARY TO ACHIEVE WATER CLARITY.

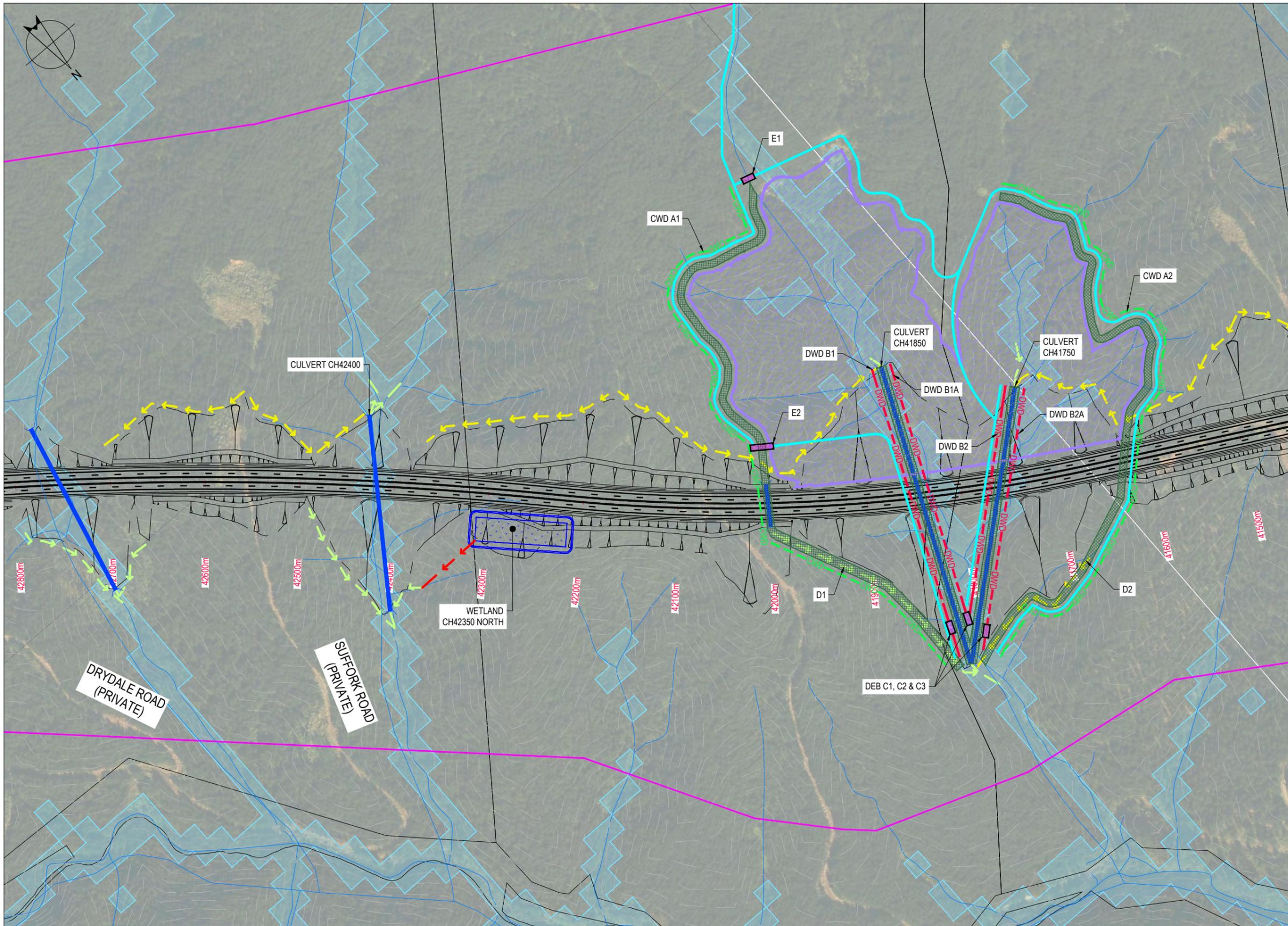
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Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>		
Title	<b>CONSTRUCTION WATER MANAGEMENT TYPICAL CONCEPT DESIGN DETAILS</b>		
Contract:	<b>PA4156</b>	Drawing No:	<b>CW-076</b>
Sheet:	<b>5 OF 5</b>	Rev:	<b>0</b>



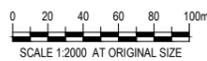
**NOTES**

1. FOR NOTES AND LEGEND, REFER TO DRAWING CW-001.
2. FOR SHEET LAYOUT PLANS, REFER TO DRAWINGS R-100.
3. CULVERT INFORMATION - REFER TO CULVERT SUMMARY TABLE (PROVIDED IN WATER ASSESSMENT REPORT).
4. WETLAND SHAPE IS INDICATIVE ONLY TO PRESENT PROPOSED LOCATION AND SIZING. SHAPING TO CONTOURS IS SUBJECT TO DETAILED DESIGN.
5. BOTTOM OF CUT TO BE WIDENED LOCALLY TO INTEGRATE WETLAND SHOWN WITHIN CUT PROFILE.
6. ALL WORKS TO OCCUR OUTSIDE OF ANY STREAM CHANNEL

**LEGEND:**

- POTENTIAL SOIL DISPOSAL SITE
- SITE ACCESS
- TEMPORARY STREAM DIVERSION
- VEGETATION CLEARANCE
- DRY WATER DIVERSION (DWD)
- CLEAN WATER DIVERSION (CWD)
- SUPER SILT FENCE
- GULLY DRAIN
- DECANTING EARTH BUND (DEB)
- SEDIMENT RETENTION POND (SRP)

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STAGE 1  
SCALE 1:2000

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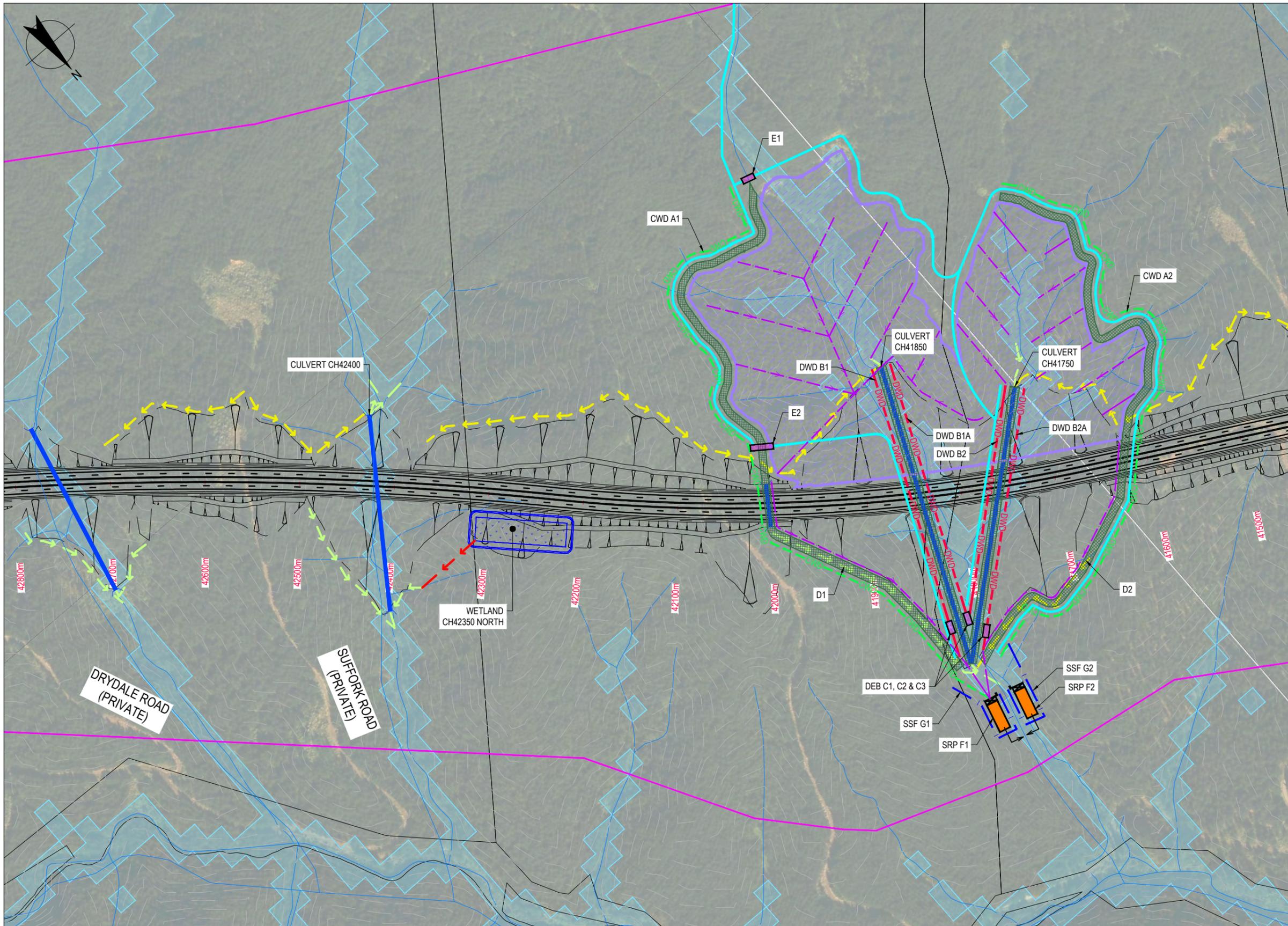
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Project **WARKWORTH TO WELLSFORD PROJECT**

Title **SOIL DISPOSAL SITE ESTABLISHMENT  
CONCEPTUAL - METHODOLOGY STAGING PLAN**

Contract: **PA4156** Drawing No: **CW-081** Sheet: **1 OF 4** Rev: **0**

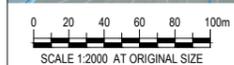


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**LEGEND:**

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- SITE ACCESS
- TEMPORARY STREAM DIVERSION
- VEGETATION CLEARANCE
- DRY WATER DIVERSION (DWD)
- CLEAN WATER DIVERSION (CWD)
- SUPER SILT FENCE
- GULLY DRAIN
- DECANTING EARTH BUND (DEB)
- SEDIMENT RETENTION POND (SRP)



**STAGE 2**  
SCALE 1:2000

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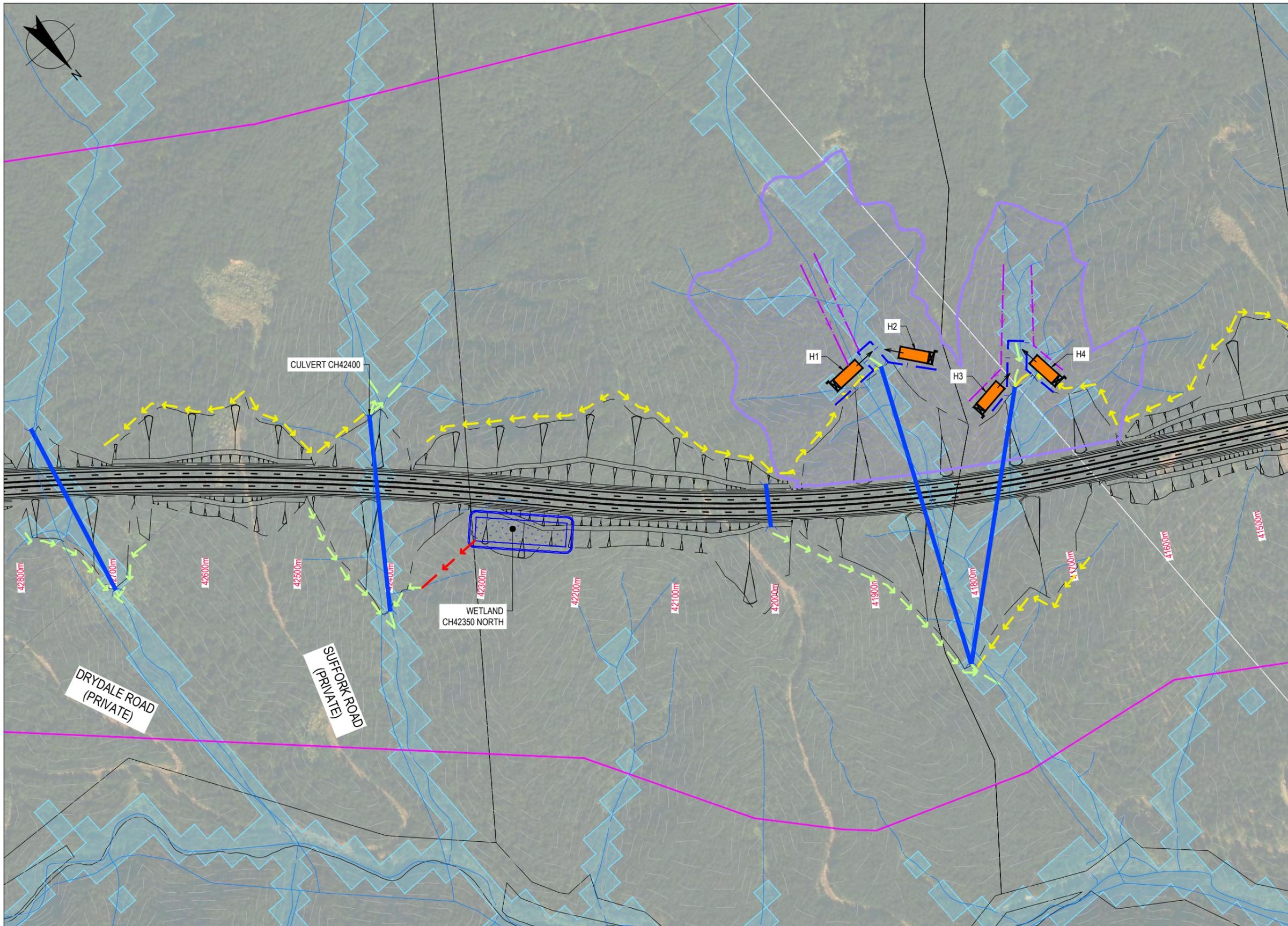
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Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>		
Title	<b>SOIL DISPOSAL SITE ESTABLISHMENT CONCEPTUAL - METHODOLOGY STAGING PLAN</b>		
Contract:	PA4156	Drawing No:	CW-082
Sheet:	2 OF 4	Rev:	0



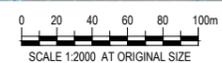
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**LEGEND:**

- POTENTIAL SOIL DISPOSAL SITE
- SITE ACCESS
- TEMPORARY STREAM DIVERSION
- VEGETATION CLEARANCE
- DRY WATER DIVERSION (DWD)
- CLEAN WATER DIVERSION (CWD)
- SUPER SILT FENCE
- GULLY DRAIN
- DECANTING EARTH BUND (DEB)
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**STAGE 3**  
SCALE 1:2000

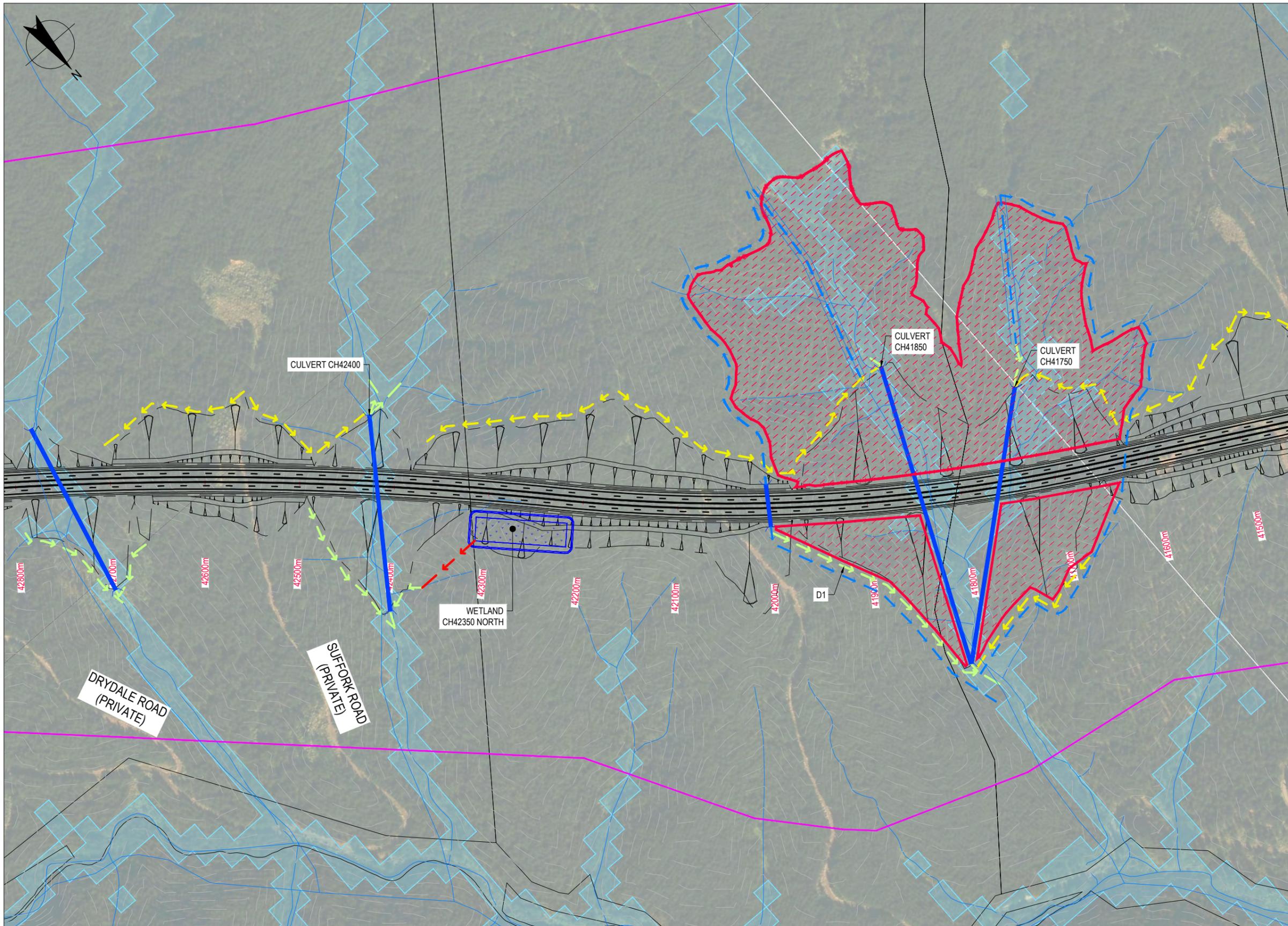
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Approved BN*		Date JULY 2019	
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		Original Size	<b>A1</b>

Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>		
Title	<b>SOIL DISPOSAL SITE ESTABLISHMENT CONCEPTUAL - METHODOLOGY STAGING PLAN</b>		
Contract:	PA4156	Drawing No:	CW-083
Sheet:	3 OF 4	Rev:	0

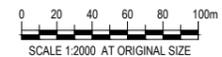


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**LEGEND:**

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- SITE ACCESS
- TEMPORARY STREAM DIVERSION
- VEGETATION CLEARANCE
- DRY WATER DIVERSION (DWD)
- CLEAN WATER DIVERSION (CWD)
- SUPER SILT FENCE
- GULLY DRAIN
- DECANTING EARTH BUND (DEB)
- SEDIMENT RETENTION POND (SRP)



**STAGE 4**  
SCALE 1:2000

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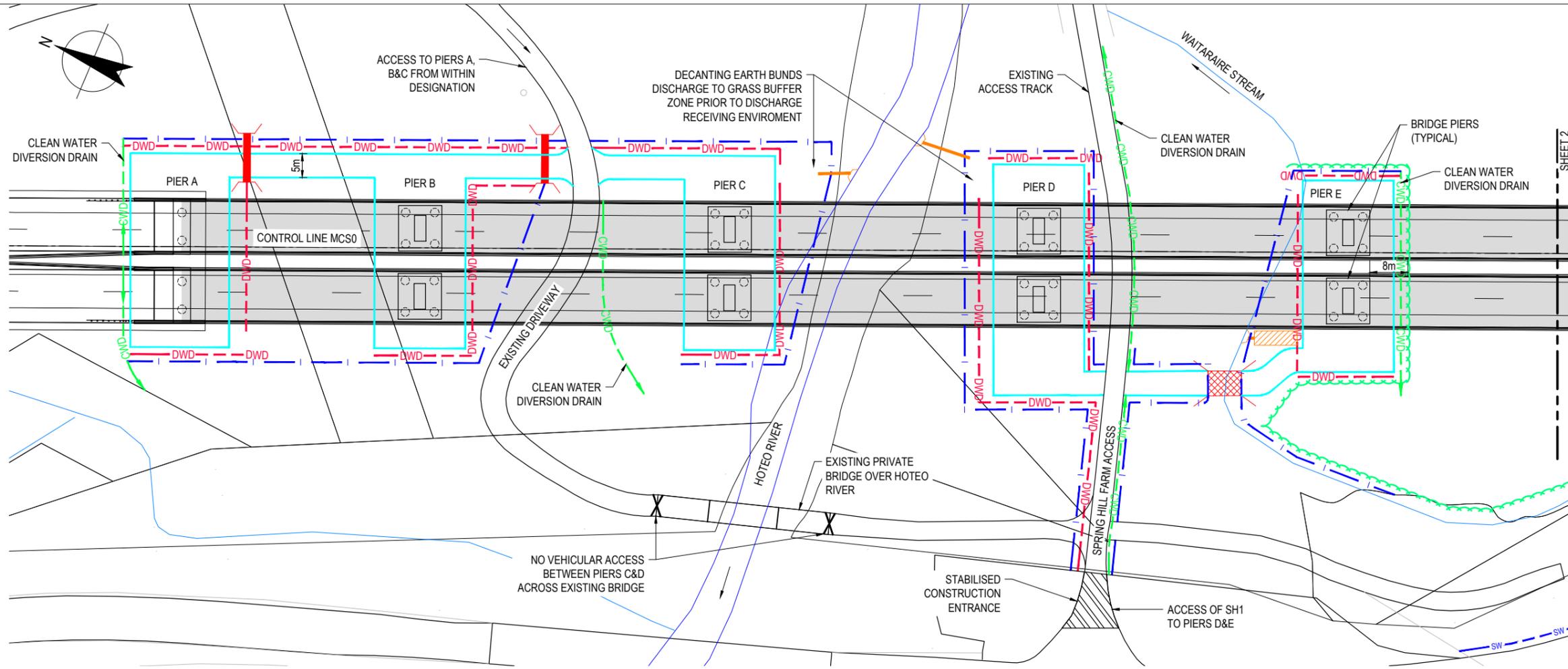
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Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>		
Title	<b>SOIL DISPOSAL SITE ESTABLISHMENT CONCEPTUAL - METHODOLOGY STAGING PLAN</b>		
Contract:	PA4156	Drawing No:	CW-084
Sheet:	4 OF 4	Rev:	0



- LEGEND:**
- DECANTING EARTH BUND
  - DRY WATER DIVERSION DRAIN
  - CLEAN WATER DIVERSION DRAIN
  - SUPER SILT FENCE
  - SITE ACCESS TRACK
  - TEMPORARY BRIDGE CROSSING
  - DIRTY WATER PIPED BENEATH ACCESS TRACK AND/OR SUPER SILT FENCE
  - STABILISED CONSTRUCTION ENTRANCE



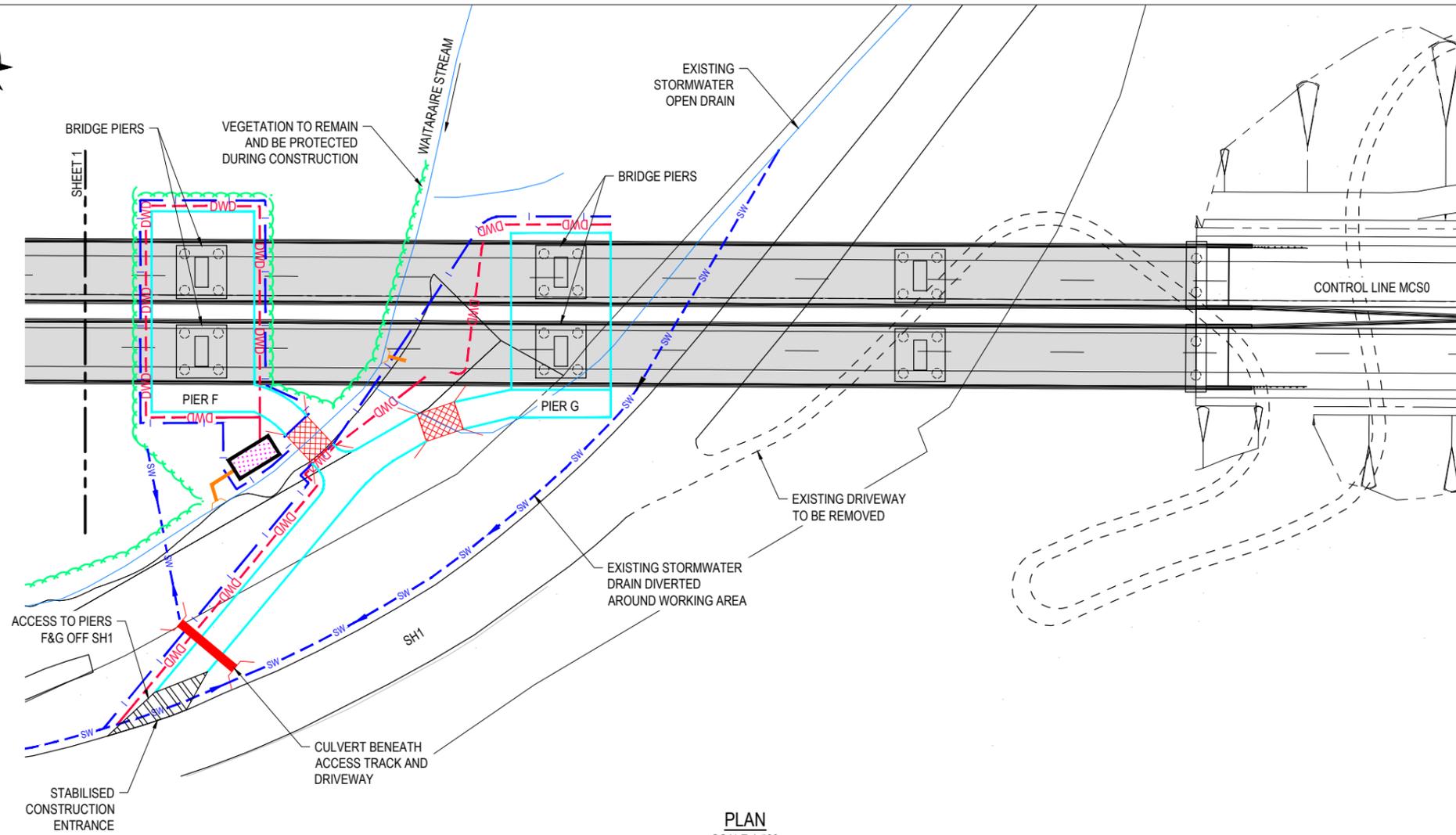
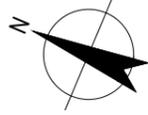
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Project	<b>WARKWORTH TO WELLSFORD PROJECT</b>			
Title	<b>INDICATIVE ESC MEASURES - BRIDGE 11 PLAN AND ELEVATION</b>			
Contract:	PA4156	Drawing No:	CW-086	Sheet: 1 OF 2
Rev:	0			



- LEGEND:**
- DECANTING EARTH BUND
  - DRY WATER DIVERSION DRAIN
  - CLEAN WATER DIVERSION DRAIN
  - SUPER SILT FENCE
  - SITE ACCESS TRACK
  - TEMPORARY BRIDGE CROSSING
  - DIRTY WATER PIPED BENEATH ACCESS TRACK AND/OR SUPER SILT FENCE
  - STABILISED CONSTRUCTION ENTRANCE

PLAN  
SCALE 1:500



A1 - SCALE 1:500 AT ORIGINAL SIZE

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Title	<b>INDICATIVE ESC MEASURES - BRIDGE 11 PLAN AND ELEVATION</b>			
Contract:	<b>PA4156</b>	Drawing No:	<b>CW-087</b>	Sheet: <b>2 OF 2</b>
Rev:	<b>0</b>			