## **MONARO HIGHWAY**

## PROPOSED ROCK QUARRY PROPOSED INTERSECTION AND QUARRY ACCESS OFF MONARO HIGHWAY



#### PART INDEX

DRAWING NO.	DESCRIPTION
DC18020-OP2-CS-1100	COVER SHEET
DC18020-OP2-GN-1101	GENERAL NOTES AND LEGEND
DC18020-OP2-TC-1102	DETAIL PLAN (1 OF 1)
DC18020-OP2-DP-1103	SIGNS AND LINEMARKING (1 OF 1)
DC18020-OP2-DP-1104	DRAINAGE DETAILS PLAN (1 OF 1)
DC18020-OP2-SL-1105	LONGITUDINAL SECTIONS (1 OF 1)
DC18020-OP2-DR-1106	CROSS SECTIONS (1 OF 2)
DC18020-OP2-LS-1107	CROSS SECTIONS (2 OF 2)

#### LOCALITY PLAN

A.D. 20.02.19 02 ISSUED FOR INFORMATION A.D. 11.12.18 ISSUED FOR INFORMATION 12 10 18

Transport **Roads & Maritime** NSW

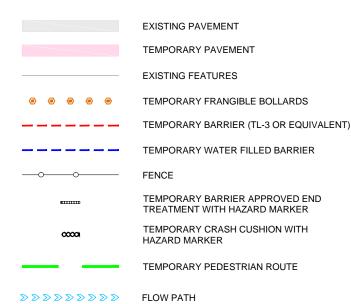
## ORIGINAL DRAWING IN COLOUR

Drawn	A.D.	Designer	A.D	Client	-
Check	C.N.	Check	C.N.	Project	PROPOSED ROCK QUARRY
				Title	INTERSECTION AND QUARRY ACCESS OFF MONARO
Approve	d -				COVER SHEET
Date	-				
Scale	AS SHOWN		DO NOT COM E	Sheet A1	Drawing No: DC18020-OP2-CS-1100

POSED ROCK QUARRY RSECTION AND QUARRY ACCESS OFF MONARO HIGHWAY

Rev: 03

### LEGEND (GENERAL)



#### LEGEND (LINEMARKING)

— ВВ	DOUBLE BARRIER LINE
—BB1	ENHANCED DOUBLE BARRIER LINE (0.3m)
— BB2	ENHANCED DOUBLE BARRIER LINE (0.8m)
—E1	LEFT HAND EDGE LINE
—E2	LEFT HAND EDGE LINE - PACIFIC HIGHWAY
—E3	RIGHT HAND EDGE LINE
-(L1)	LANE LINE
—(L3)	UNBROKEN LANE LINE
-C1	CONTINUITY LINE
— <u>E4</u>	TRAFFIC ISLAND OUTLINE EDGE LINE
—E5	CHEVRON OUTLINE EDGE LINE
— TB	GIVE WAY LINE
<b>_</b>	LEFT TURN LANE RURAL - AR3(L)
<b>→</b>	RIGHT TURN LANE RURAL - AR3(R)
~	LANE CHANGE RURAL - ARR5

STRAIGHT AHEAD - AR1

#### **GENERAL**

- 1. ALL DIMENSIONS ARE IN METRES.
- LEVELS ARE IN METRES WITH RESPECT TO THE AUSTRALIAN HEIGHT DATUM (AHD).
- NORTH REPRESENTS MAP GRID OF AUSTRALIA (ZONE 56) ORIENTATION.
- ALL SURFACE WATER FLOWS TO BE MANAGED ALONG WITH CONSTRUCTION SITE WATER USING TEMPORARY DRAINAGE MEASURES. TEMPORARY 'SO KERB' LONGITUDINAL PIT/PIPE/HEADWALLS AS PER DRAINAGE PLAN. SURFACE DRAINAGE TO MEET RMS G10 CLAUSE 2.7.3 - 1 IN 5 YEAR OCCURRENCE STORM.
- PAVEMENT DESIGN ON PORTION A (DESIGN LOT A-87-TS-03) DRAWING SET, DRAWING DS2016/000619
  SHEET TS-A-33204 ISSUE 'A': EDMS NO. SF2015/118045
  (ISSUED FOR CONSTRUCTION BY OTHERS) HAS BEEN
  ADOPTED FOR THIS PACKAGE OF WORKS.
  FOUNDATION TREATMENTS TO BE IN ACCORDANCE
  WITH RMS R44. FOUNDATION TREATMENTS TO BE
- GENERALLY AS PER THE PERMANENT WORKS FOUNDATION DESIGN. I.E. TEMPORARY WORKS THAT FALL UNDER THE FOOTPRINT OF THE PERMANENT WORKS ARE SUBJECT TO ON SITE CONFIRMATION BY THE GEOTECHNICAL REPRESENTATIVE. TREATMENTS OUTSIDE THE PERMANENT WORKS FOOTPRINT ARE SUBJECT TO ONSITE DETERMINATION BY THE GEOTECHNICAL REPRESENTATIVE.
- EROSION AND SEDIMENTATION CONTROL TO BE IN ACCORDANCE WITH THE PROJECT ENVIRONMENTAL MANAGEMENT PLAN & PROGRESSIVE EROSION & SEDIMENT CONTROL PLAN (PESCP) FOR THE AREA

#### **SERVICES**

- CONTRACTOR TO DETERMINE THE LOCATION, DEPTH AND EXTENT OF UTILITY SERVICES PRIOR TO

- AND EXTENT OF UTILITY SERVICES PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE. NO WORK TO BE CARRIED OUT WITHIN 3m OF ANY EXISTING SERVICES WITHOUT PRIOR RECORDED CONSULTATION WITH THE RELEVENT AUTHORITY. UTILITY INFORMATION SHOWN ON THE PLANS AS PROVIDED BY BGC CONSTRUCTION.

  THE PRESENCE OF A UTILITY SERVICE, ITS SIZE AND LOCATION, PRIOR TO THE COMMENCEMENT OF ROADWORKS, AND THE RELEVANT LITTLEY PLANS. ROADWORKS AND THE RELEVANT UTILITY PLANS OBTAINED BY DIALING PH 1100 OR FAX 1300 652 077 (DIAL BEFORE YOU DIG). CAUTION SHOULD BE EXERCISED WHEN WORKING IN THE VICINITY OF ALL UTILITY SERVICES.
- THE CONTRACTOR IS TO CONTACT NETWORK INTEGRITY (1800 810 443) FOR ONSITE LOCATION AND CO-ORDINATION OF TELSTRA UTILITY RELOCATION WORKS.
- THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE INCURRED TO EXISTING UTILITY SERVICES AS A RESULT OF THE EXECUTION OF THE WORK UNDER THE CONTRACT.

#### **BARRIERS**

- 1. BARRIER END TREATMENTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE RMS LIST OF APPROVED/ACCEPTED TEMPORARY SAFETY BARRIER END TREATMENT LIST.
- THE EXTENT OF THE SITE OF WORKS IS NOT KNOWN AND LOCATIONS OF ENDS OF BARRIERS ARE APPROXIMATE ONLY. AS THE SITE OF THE WORKS MAY VARY DURING THE PERIOD OF USE OF THIS TEMPORARY WORKS PLAN THE REQUIRED LENGTH OF NEED AND THE LOCATION OF THE ENDS OF BARRIERS MUST BE DETERMINED FOR EACH CHANGE TO THE SITE OF THE WORKS. CONSIDERATION SHOULD BE GIVEN TO THE NEED TO PROTECT WORKERS BY THE PROVISION OF A CONTAINMENT FENCE AT A LATERAL CLEARANCE EQUAL TO THE DYNAMIC DEFLECTION OF THE BARRIER IN A CRASH AND WHERE GATING END TERMINALS ARE USED TO DEFINE THE RUN-OUT AREA.
- CONTRACTOR TO ENSURE THE DRAINAGE SLOTS IN ALL TEMPORARY CONCRETE BARRIERS ARE KEPT FREE DRAINING

#### LINEMARKING

- 1. REMOVE ALL REDUNDANT LINEMARKING AS STIPULATED IN THE G10 ITEM 4.2.2.
- 2. ALL GUIDEPOSTS, LINEMARKING & RRPM'S TO BE IN ACCORDANCE WITH THE AOP2742, RMS DELINEATION MANUAL, TRAFFIC CONTROL AT WORK SITES MANUAL & THE RMS QA SPECIFICATION.
- BB1 & BB2 ENHANCED DELINEATION LINES TO BE INSTALLED IN ACCORDANCE WITH SECTION 5 OF THE RMS DELINEATION MANUAL.
- LINEMARKING SETOUT INFORMATION TO BE PROVIDED BY STREETWISE ROAD SAFETY & TRAFFIC SERVICES PTY LTD IN ELECTRONIC FORMAT ONCE THE FINAL APPROVED DRAWINGS HAVE BEEN CERTIFIED AND ISSUED FOR CONSTRUCTION.

#### SIGNS

SIGNS SHALL BE A MINIMUM OF 0.6m FROM THE EDGE OF FORMATION AND NOT LESS THAN 2m OR MORE THAN 5m FROM THE EDGE OF TRAVEL LANE IN ACCORDANCE WITH AOP2742.2. POST AND GROUND FOOTING DETAILS ARE TO BE SPECIFIED BY CONTRACTOR TO SUIT THE SIZE OF SIGN AND GROUND CONDITION.

#### LEGEND (SIGNS)

**EXISTING SIGN LOCATION** NEW SIGN LOCATION **NEW GUIDE POST** 



**NEW SIGN** 



**EXISTING SIGN** 



EXISTING SIGN TO BE RELOCATED

EXISTING SIGN TO BE REMOVED



**EXISTING SIGN TO BE COVERED** 

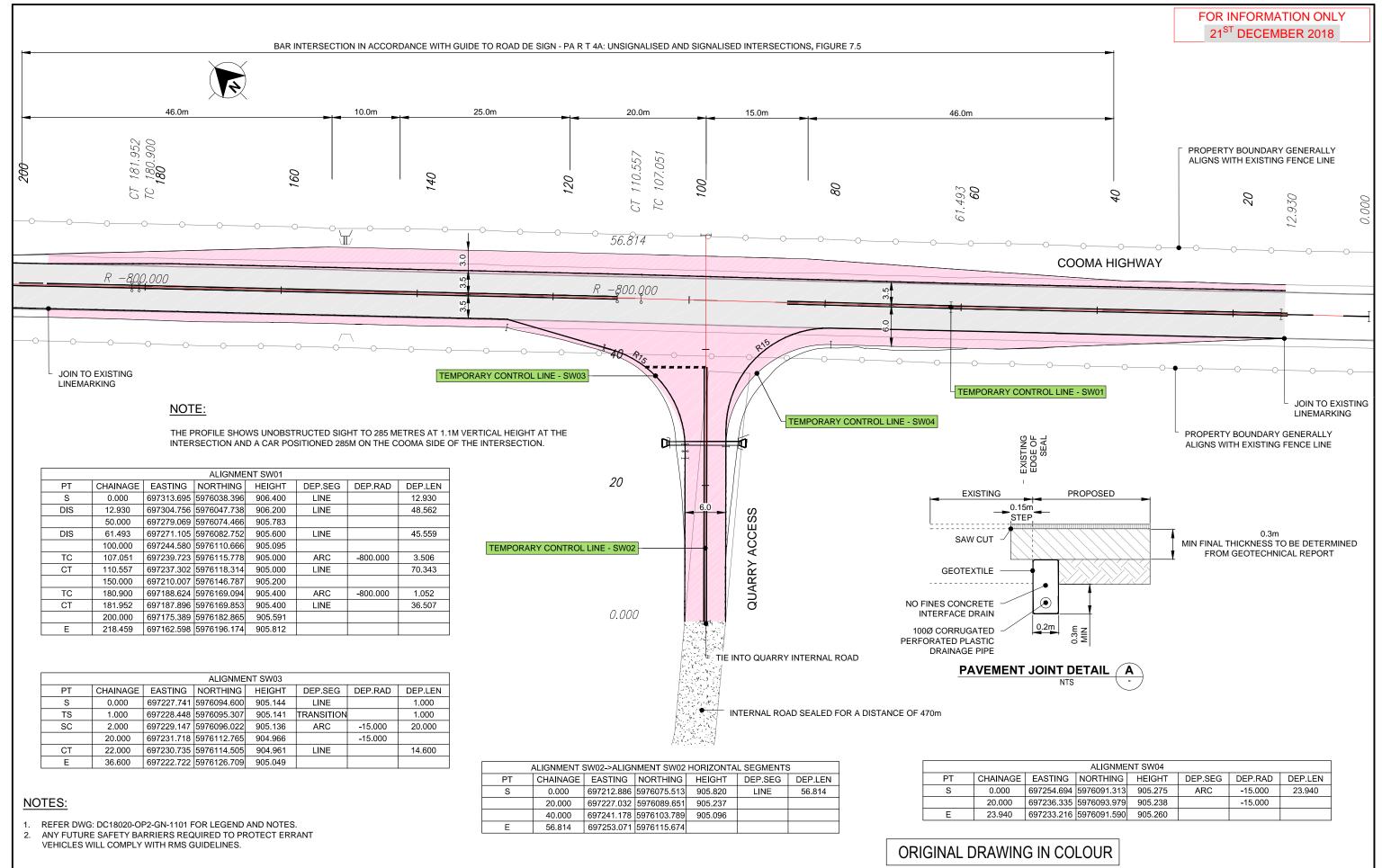
## ORIGINAL DRAWING IN COLOUR

03	ISSUED FOR INFORMATION	A.D.		20.02.19
02	ISSUED FOR INFORMATION	A.D.		11.12.18
01	ISSUED FOR INFORMATION	A.D.		12.10.18
No.	Revision Description	Initials	Approved	Date





Orawn	A.D.	Designer	A.D	Client	-					
Check	C.N.	Check	C.N.	Project	PROPOSED ROCK QUARRY					
				Title INTERSECTION AND QUARRY ACCESS OFF MONARO HIGHWAY						
Approved -					GENERAL NOTES AND LEGEND					
Date	-									
Scale	AS SHOWN		DO NOT SCALE	A1	Drawing No:	DC18020-OP2-GN-1101	Rev: <b>03</b>			



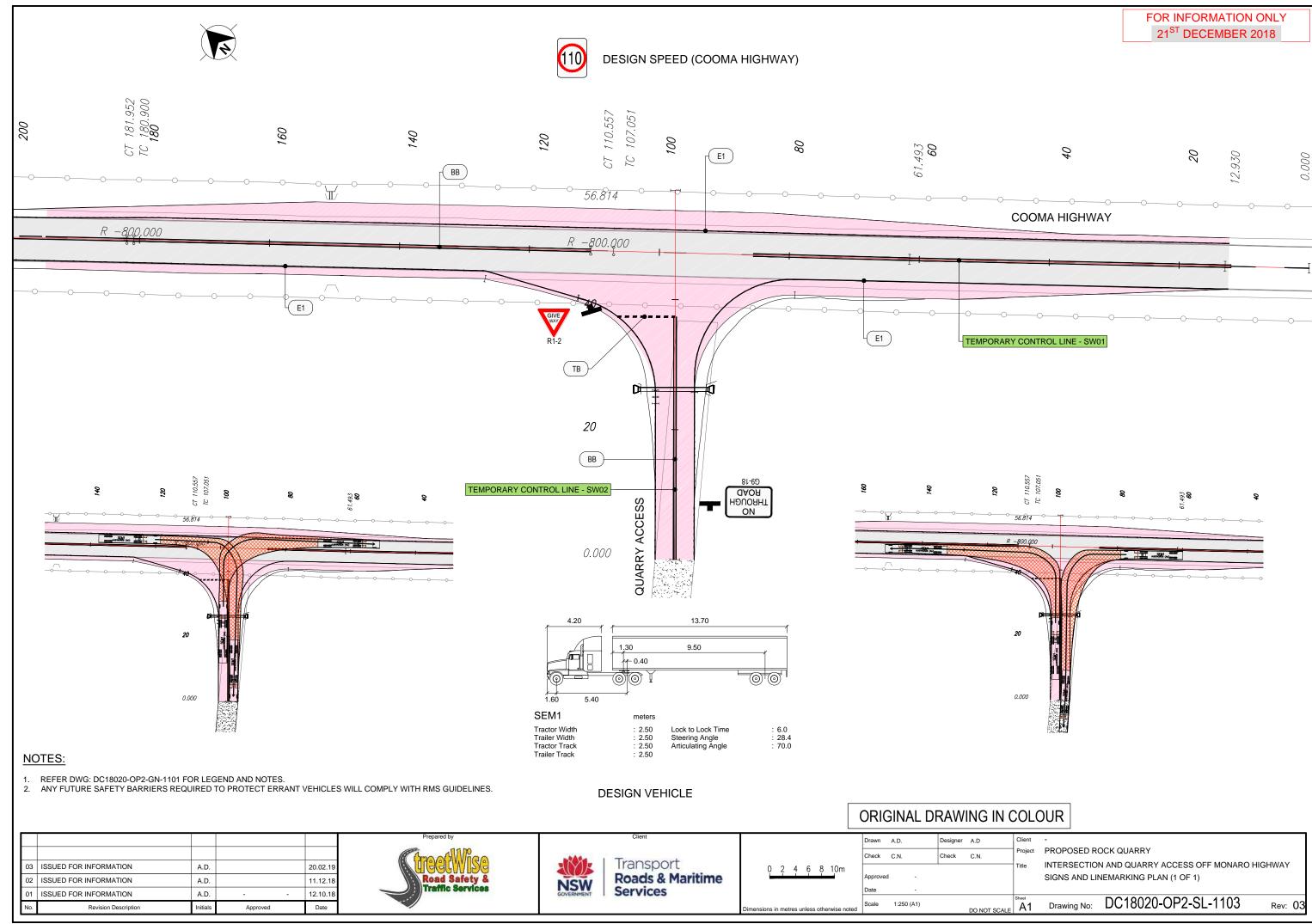
# 03 ISSUED FOR INFORMATION A.D. 20.02.19 02 ISSUED FOR INFORMATION A.D. 11.12.18 01 ISSUED FOR INFORMATION A.D. 12.10.18

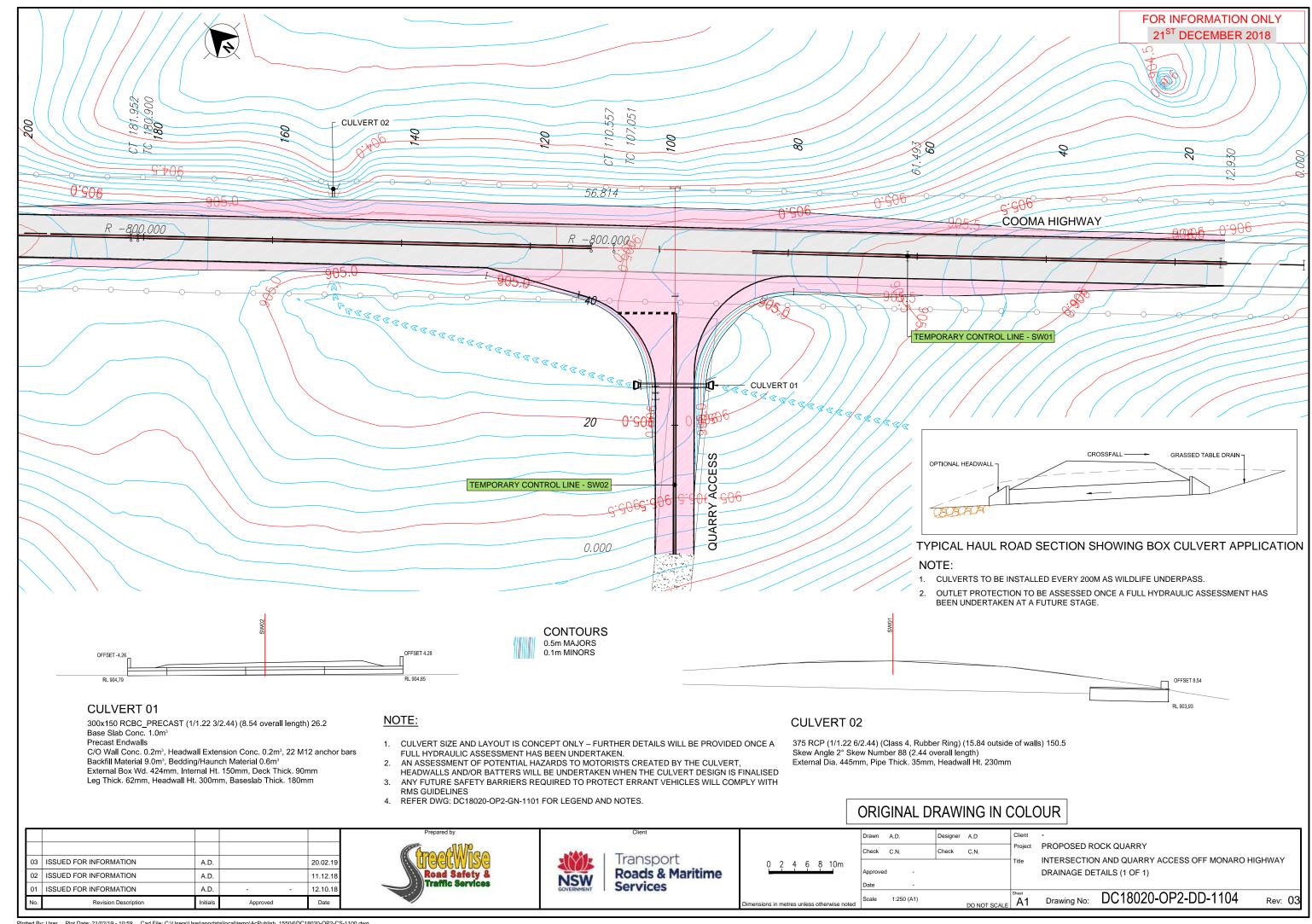


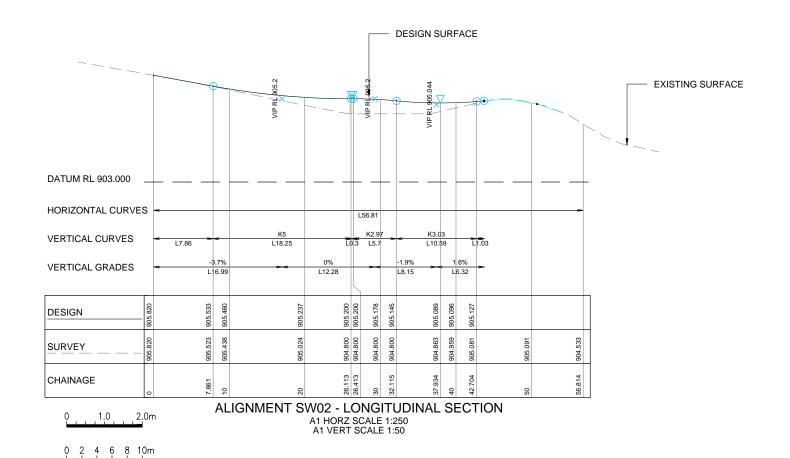




Drawn	A.D.	Designer	A.D	Client	-		
Check	C.N.	Check	C.N.	Project	PROPOSED ROCK QUARRY		
Approved	-			Title	INTERSECTION AND QUARRY ACCESS DETAIL PLAN (1 OF 1)	OFF MONARO HIGHWAY	
Date	-						
Scale	1:250 (A1)		DO NOT SCALE	Sheet A1	Drawing No: DC18020-OP2-[	)P-1102 Rev: (	03







0 1 2 3 4m

ALIGNMENT SW01 - LONGITUDINAL SECTION
A1 HORZ SCALE 1:500
A1 VERT SCALE 1:100

0 5 10 15 20m

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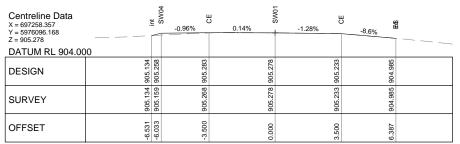




	Drawn	A.D.	Designer	A.D	Client	-
	Check	C.N.	Check	C.N.	Project	PROPOSED RO
					Title	INTERSECTION
	Approved	-				LONGITUDINAL
	Date	-				
Dimensions in metres unless otherwise noted	Scale	1:500 HOR 1:100	VERT (A1)	DO NOT SCALE	A1	Drawing No:

PROPOSED ROCK QUARRY
INTERSECTION AND QUARRY ACCESS OFF MONARO HIGHWAY
LONGITUDINAL SECTIONS (1 OF 1)

Rev: 03



#### **CHAINAGE 80**

Centreline Data X = 697272.139 Y = 5976081.676 Z = 905.600 DATUM RL 904.50		Sa T	0%	0%	-3.76%	-7.35%	- — — —
DESIGN	905.562	905.600	905.600	905.600	905.468	905.318	905.321
SURVEY	905.562	905.566	905.600	905.600	905.468	905.321	905.321
OFFSET	-6.151	-6.000	-3.500	0.000	3.500	5.542	5.546

#### CHAINAGE 60

Centreline Data X = 697285.998 Y = 5976067.256 Z = 905.867			ا 1.02%	1.04%		-4.93%		
DATUM RL 905.00	00							
DESIGN	905.918	905.921	905.904	905.867	905.802	905.748	905.750	
SURVEY	905.918	905.918	905.904	905.867	905.802	905.750	905.750	
OFFSET	71.5	-5.167	-3.500	0.000	3.500	4.590	4.595	

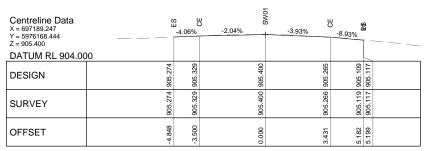
#### CHAINAGE 40

Centreline Data X = 697299.857 Y = 5976052.836 Z = 906.144 DATUM RL 905.00	<b>2</b> 8 8	0.89%	-3.46%	EES	
DESIGN	906.180	906.144	906.023	905.974	
SURVEY	906.180	906.144	906.023	905.980	
OFFSET	3.980	0.000	3.500	4.378	

#### CHAINAGE 20

Centreline Data X = 697305.143 Y = 5976047.334 Z = 906.200		<b>8</b>		0.24%	-3.25%	8	\$1 1	
DATUM RL 905.00	00	Ļ					L	
DESIGN	906.200	906.209	906.209	906.200	980 900	906.036	906.042	
SURVEY	906.200	906.200	906.200	906.200	980 900	906.042	906.042	
OFFSET	.3.561	-3.526	-3.500	0.000	9 500	4 363	4.374	

CHAINAGE 12.37



#### CHAINAGE 180

Centreline Data X = 697203.087 Y = 5976154.006 Z = 905.200 DATUM RL 904.00		-2.95%	-0%	-2.97%	-8.84%	<u> </u>
DESIGN	905.163	905.200	905.200	905.096	904.861	
SURVEY	905.163	905.200	905.200	905.096	904.860	
OFFSET	-4.749	-3.500	0.000	3.500	6.158	

#### CHAINAGE 160

Centreline Data X = 697216.927 Y = 5976139.569 Z = 905.200		-5.32%	-2.88%	-3.8%	-6.59%	} 
DATUM RL 904.00	U					
DESIGN	905.032	905.099	905.200	905.067	904.869	
SURVEY	905.032	905.099	905.200	905.067	904.869	
OFFSET	-4.774	-3.500	00000	3.500	6.500	

#### **CHAINAGE 140**

Centreline Data X = 697230.768 Y = 5976125.131 Z = 905.100 DATUM RL 904.00		-4.24%	-0.24%	-2.4%	-6.94%	} - — — _
DESIGN	904.988	905.092	905.100	905.016	904.808	
SURVEY	904.988	905.078	905.100	905.016	904.808	
OFFSET	-5.959	-3.500	00000	3.500	6.500	

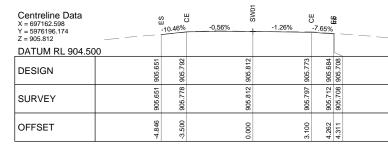
#### CHAINAGE 120

Centreline Data X = 697244.580 Y = 5976110.666 Z = 905.095 DATUM RL 904.00		1.07%	-1.82%	-6.56%	
DESIGN	905.132	905.095	905.031	904.834	
	16 909				
SURVEY	905.11	905.095	905.031	904.834	
OFFSET	3.500	0.000	3.500	6.500	

CHAINAGE 100

#### NOTES:

CROSSFALL ON THE EXISTING SHOULDERS ARE -7% TO -11% IN LOCATIONS. DESIGN HAS LIMITED THE CROSSFALL AT THESE TO -3%.



#### **CHAINAGE 218.459**

Centreline Data X = 697175.389 Y = 5976182.865 Z = 905.591 DATUM RL 904.50		-5.08%	-2.58%	-5.1%	ي 7.92%-	
DATOW RL 904.50	10					
DESIGN	905.436	905.501	905.591	905.433	905.341	905.356
SURVEY	905.436	905.501	905.591	905.433	905.358	905.356
OFFSET	-4.792	-3.500	0.000	3.100	4.269	4.299

CHAINAGE 200

## **ALIGNMENT - SW01**

### ORIGINAL DRAWING IN COLOUR

03	ISSUED FOR INFORMATION	A.D.		20.02.19
02	ISSUED FOR INFORMATION	A.D.		11.12.18
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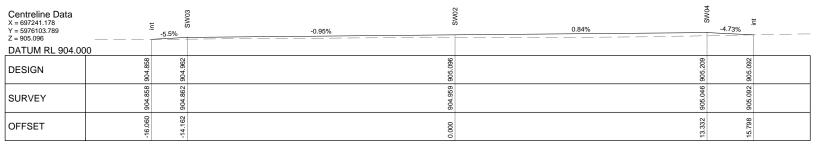




	0_	1	2	3	4m
	0	1	2	3	4m
Dimensi	ons in	metre	s unle	ss othe	erwise noted

	Check Approved	C.N.	Check	C.N.	Project Title	PROPOSED RO INTERSECTION CROSS SECTION	N AND QUARRY ACCESS OFF MONARO HIGH	WAY
	Date	-					. ,	
ed	Scale	1:100 (A1)		DO NOT SCALE	A1	Drawing No:	DC18020-OP2-XS-1106	Rev: 03

Rev: 03



#### **CHAINAGE 40**

Centreline Data X = 697234.105 Y = 5976096.720 Z = 905.178 DATUM RL 904.00		1 in -4.2	-1.9%	<b> </b>	1 in -4.2	<u> </u>
DESIGN	904.800	905.108	905.178	905.236	904.800	
SURVEY	904.800	904.800	904.800	904.800	904.800	
OFFSET	-4.983	-3.694	0.000	3.616	5.434	

#### CHAINAGE 30

Centreline Data X = 697227.032 Y = 5976089.651 Z = 905.237	B S S S S S S S S S S S S S S S S S S S
DATUM RL 904.500	
DESIGN	905.023 905.177 905.237 905.237
SURVEY	905.023
OFFSET	3.000

#### CHAINAGE 20

Centreline Data X = 697219.959 Y = 5976082.582 Z = 905.460	9 SO SUBJECT OF STREET OF STREET STRE
DATUM RL 904.500	
DESIGN	905.422 905.426 905.460 905.440
SURVEY	906.422 906.422 906.438 906.440
OFFSET	3.000 3.000 3.004

#### CHAINAGE 10

Centreline Data X = 697212.886 Y = 5976075.513 Z = 905.820		ш <u>}</u>	0.71%	ا - — — —
DATUM RL 905.00	0			
DESIGN	682.906	905.820	905.842	
SURVEY	906.799	905.820	905.842	
OFFSET	3000	0.000	3.000	

#### CHAINAGE 0

## **ALIGNMENT - SW02**

## ORIGINAL DRAWING IN COLOUR

03	ISSUED FOR INFORMATION	A.D.		20.02.19
02	ISSUED FOR INFORMATION	A.D.		11.12.18
01	ISSUED FOR INFORMATION	A.D.		12.10.18
No.	Revision Description	Initials	Approved	Date



NSW GOVERNMENT	Transport Roads & Maritime Services
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	o_	1	2	3	4m	
	0	1	2	3	4m	
imensions in metres unless otherwise noted						

	Drawn	A.D.	Designer	A.D	Client	-
	Check	C.N.	Check	C.N.	Project	PROPOSED ROCK QUARRY
	Approved	-			Title	INTERSECTION AND QUARRY ACCESS OFF MONARO HIGHWAY CROSS SECTIONS (2 OF 2)
	Date	-				
ч	Scale	1:100 (A1)		DO NOT COM E	Sheet A1	Drawing No: DC18020-OP2-XS-1107 Rev: