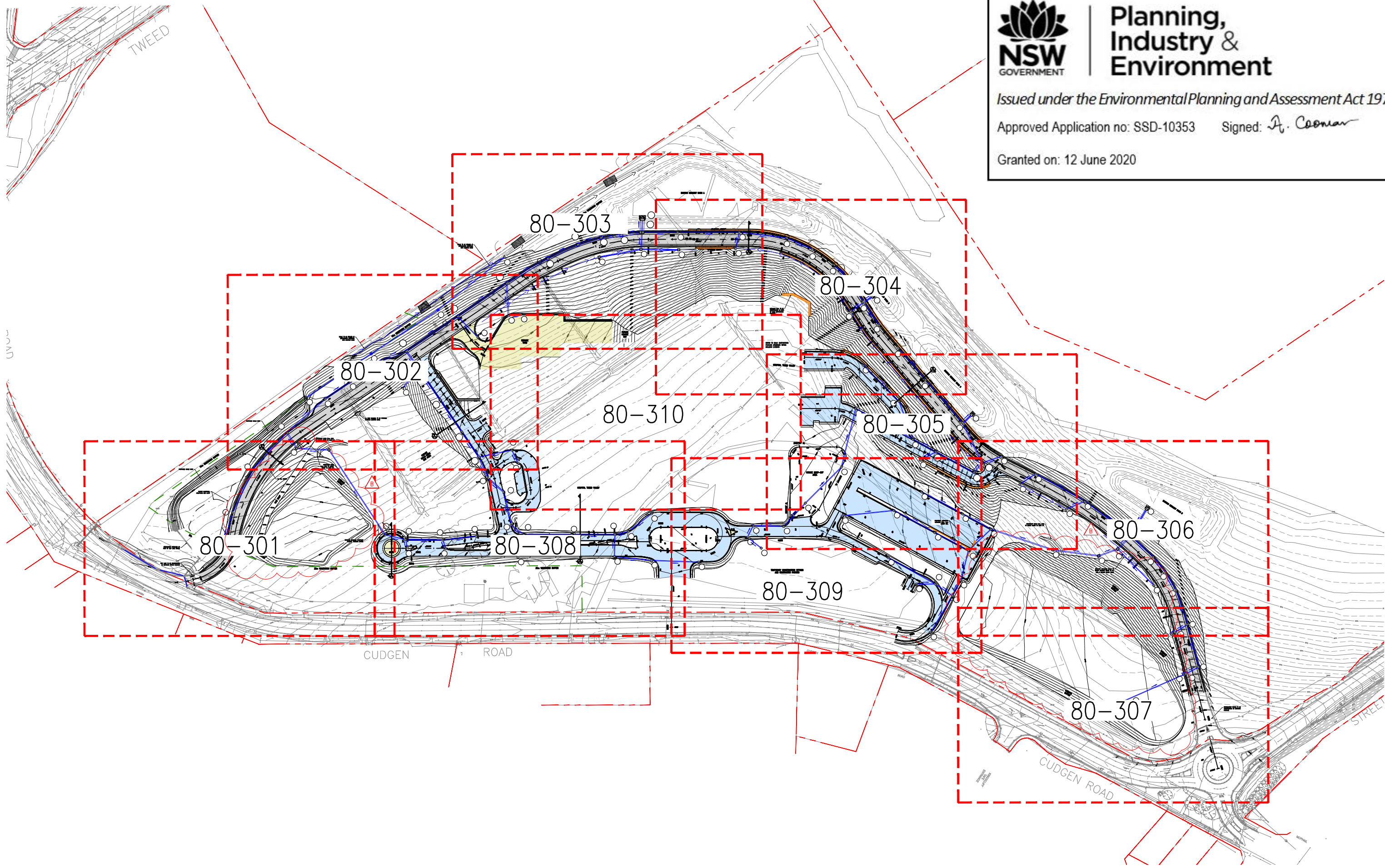






Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
2	ISSUED FOR TENDER	RG	CR	27.05.19
A	ISSUED FOR CONSTRUCTION	RG	CR	25.11.19
B	ISSUED FOR CONSTRUCTION	RG	CR	28.02.20

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
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B	ISSUED FOR CONSTRUCTION	RG	CR	28.02.20

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Structural, Civil & Construction
Engineering Consultant



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Web: www.robertbird.com
ACN 010 580 248

Client



Title

SITE PLAN

Project

**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
28.02.20

Drawn
R.GILL
Designer
M.CLAVEL

Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

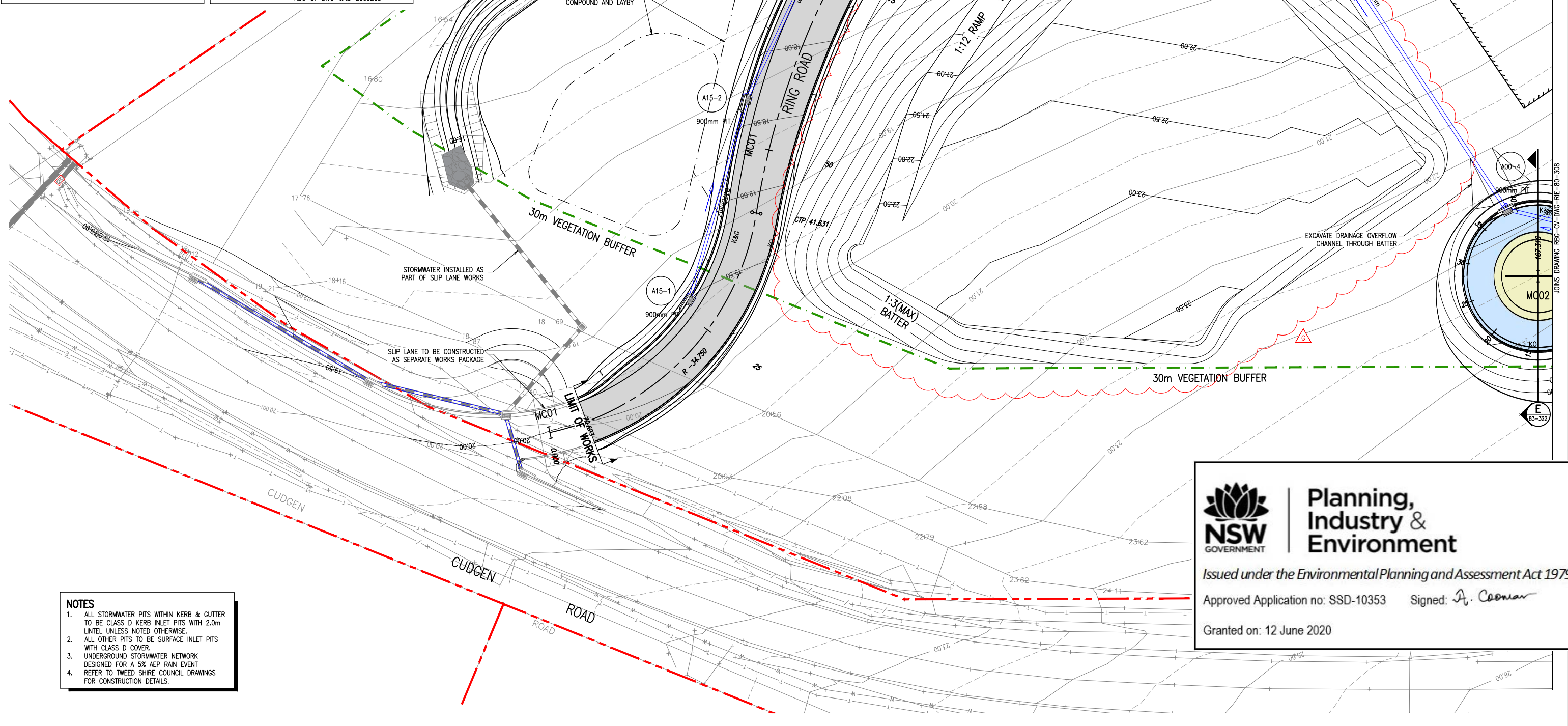
APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-300

Revision
B

- LEGEND**
- EXISTING SITE BOUNDARY
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED BUILDING
 - PROPOSED STOCKPILE
 - PROPOSED ROAD CENTRELINE
 - PROPOSED HANDRAIL
 - PROPOSED GUARD RAIL
 - GUARDRAIL DEPARTURE TERMINAL
 - PROPOSED KERB & GUTTER
 - PROPOSED KERB ONLY
 - PROPOSED MOUNTABLE KERB
 - PROPOSED VEHICLE CROSSING

- PROPOSED SURFACE INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED SAG PIT
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER PIT SIZE
- PRECAST CONCRETE HEADWALL WITH SECURITY GRATE OVER PIPE OUTLETS REFER TO TSC DRAWING S.D.105
- TYPE 1 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 2 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 3 - CONCRETE PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- PROPOSED GABION RETAINING WALL. REFER TO DRAWING RBG-ST-DWG-MHB-2000203



- NOTES**
- ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m LINTEL UNLESS NOTED OTHERWISE.
 - ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
 - UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION DETAILS.

NSW GOVERNMENT

Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: A. Casman

Granted on: 12 June 2020

SCALE 1:250

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
A	ISSUED FOR CONSTRUCTION	RG	CR	13.09.19
B	ISSUED FOR CONSTRUCTION	RG	CR	27.09.19
C	ISSUED FOR CONSTRUCTION	RG	CR	03.10.19
D	ISSUED FOR CONSTRUCTION	MC	CR	25.11.19
E	ISSUED FOR CONSTRUCTION	MC	CR	27.11.19
F	ISSUED FOR CONSTRUCTION	MC	CR	12.12.19
G	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

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ACN 010 580 248

Client

lendlease

Project

TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485

Title

GENERAL ARRANGEMENT - SHEET 1 OF 10

Scale at A1
AS SHOWN
Date
28.02.20

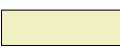
Drawn
M.CLAVEL
Designer
M.CLAVEL

Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

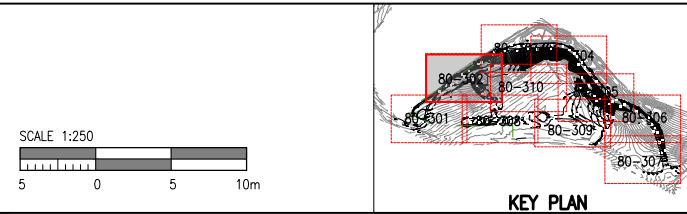
APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-301

Revision
G

	PROPOSED SURFACE INLET PIT
	PROPOSED KERB INLET PIT
	PROPOSED SAG PIT
	PROPOSED STORMWATER PIT LABEL
	PROPOSED STORMWATER PIT SIZE
	PRECAST CONCRETE HEADWALL WITH SECURITY GRATE OVER PIPE OUTLETS REFER TO TSC DRAWING S.D.105
	TYPE 1 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	TYPE 2 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	TYPE 3 - CONCRETE PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	PROPOSED GABION RETAINING WALL REFER TO DRAWING RBG-ST-DWG-MHB-2000203

- ## NOTES
1. ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m LINTEL UNLESS NOTED OTHERWISE.
 2. ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
 3. UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT
 4. REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION DETAILS.



Rev	Revision	Description	By	App	Date
1	ISSUED	FOR TENDER	RG	CR	20.05.19
2	ISSUED	FOR TENDER	RG	CR	27.05.19
A	ISSUED	FOR CONSTRUCTION	RG	CR	13.09.19
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C	ISSUED	FOR CONSTRUCTION	RG	CR	27.09.19
D	ISSUED	FOR CONSTRUCTION	RG	CR	03.10.19
E	ISSUED	FOR CONSTRUCTION	MC	CR	25.11.19
F	ISSUED	FOR CONSTRUCTION	MC	CR	12.12.19
G	ISSUED	FOR CONSTRUCTION	MC	CR	10.02.20
H	ISSUED	FOR CONSTRUCTION	MC	CR	28.02.20

Rev	Revision	Description	By	App	Date

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Structural, Civil & Construction
Engineering Consultant



RobertBirdGroup
Member of the Subbana Jurong Group

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--	--

Client

The Lendlease logo, featuring the word "lendlease" in white lowercase letters on a green and blue geometric background.

Title	
GENERAL ARRANGEMENT - SHEET 2 OF 10	
Project	
TWEED VALLEY HOSPITAL TWEED SHIRE, GREENFIELD SITE, NORTHERN RIVERS, NSW 2485	

Scale of A1	Drawn	Design Checker
AS SHOWN	M.CLAVEL	C.WAITE
Date	Designer	Approved
28.02.20	M.CLAVEL	C.ROPE
		Job Number
		19005
APPROVED FOR CONSTRUCTION		
Drawing Number	Revision	
RBG-CV-DWG-RIE-80-302	H	

- LEGEND**
- EXISTING SITE BOUNDARY
 - 21.00 PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - 19.00 EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED BUILDING
 - PROPOSED STOCKPILE
 - PROPOSED ROAD CENTRELINE
 - K&G PROPOSED KERB & GUTTER
 - KO PROPOSED KERB ONLY
 - MK PROPOSED MOUNTABLE KERB
 - PROPOSED STORMWATER PIPE
 - PROPOSED STORMWATER PIPE FLOW DIRECTION
 - PROPOSED SURFACE INLET PIT
 - PROPOSED KERB INLET PIT
 - PROPOSED SAG PIT
 - D02-2 PROPOSED STORMWATER PIT LABEL
 - 900mm PIT PROPOSED STORMWATER PIT SIZE
 - PROPOSED HEADWALL OUTLET
 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
 - PROPOSED RETAINING WALL

NOTES

- ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m LINTEL UNLESS NOTED OTHERWISE.
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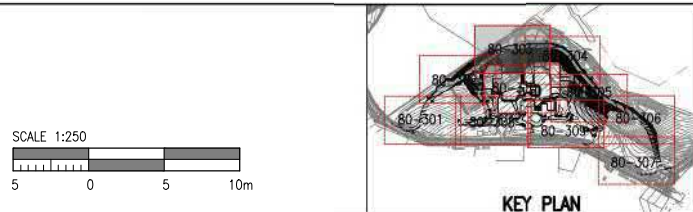
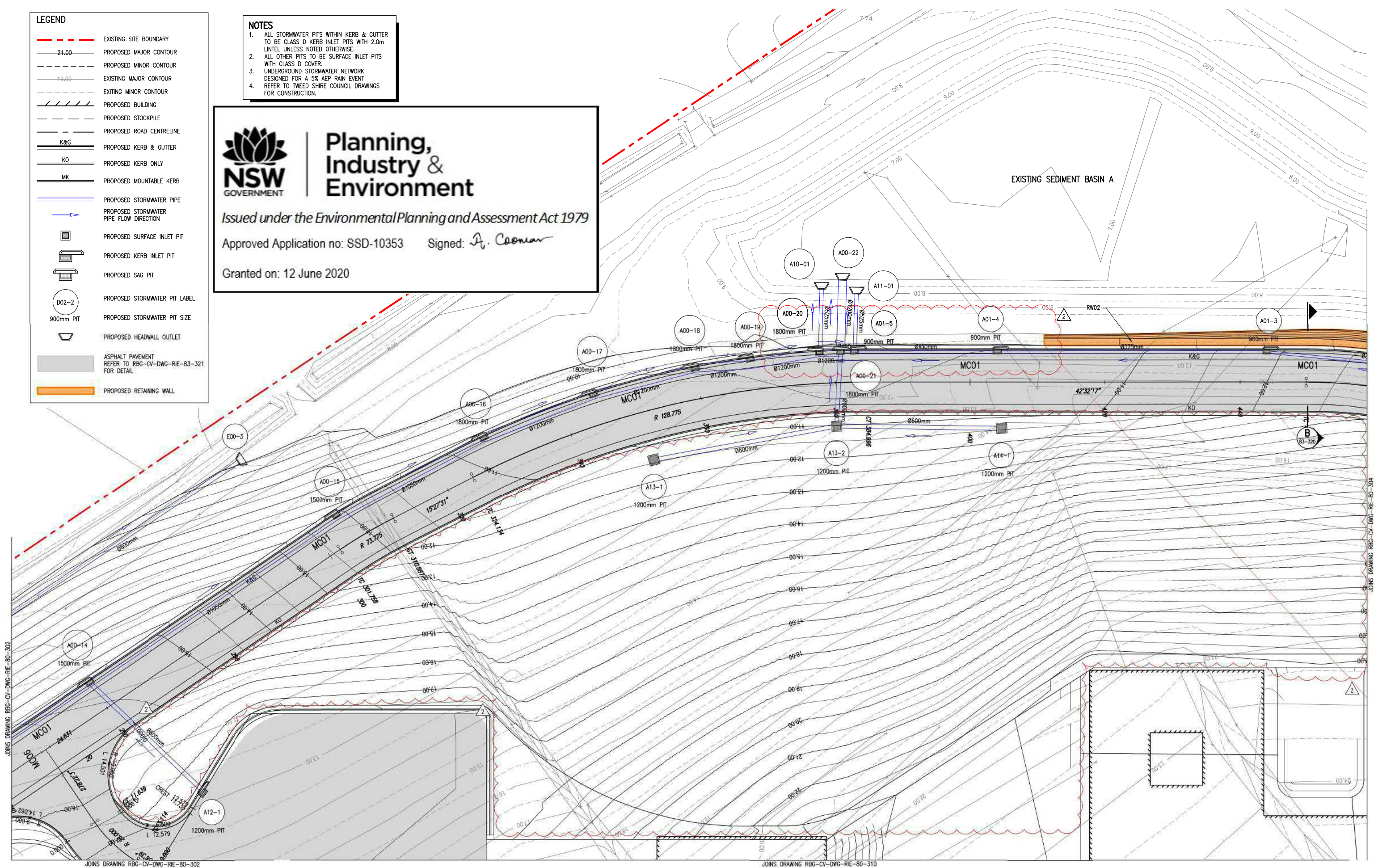
**Planning,
Industry &
Environment**

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353

Signed: *A. Coonan*

Granted on: 12 June 2020



Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
2	ISSUED FOR TENDER	RG	CR	27.05.19

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
2	ISSUED FOR TENDER	RG	CR	27.05.19

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Structural, Civil & Construction Engineering Consultant

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ACN 010 580 248



Client

GENERAL ARRANGEMENT - SHEET 3 OF 10

Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
27.05.19

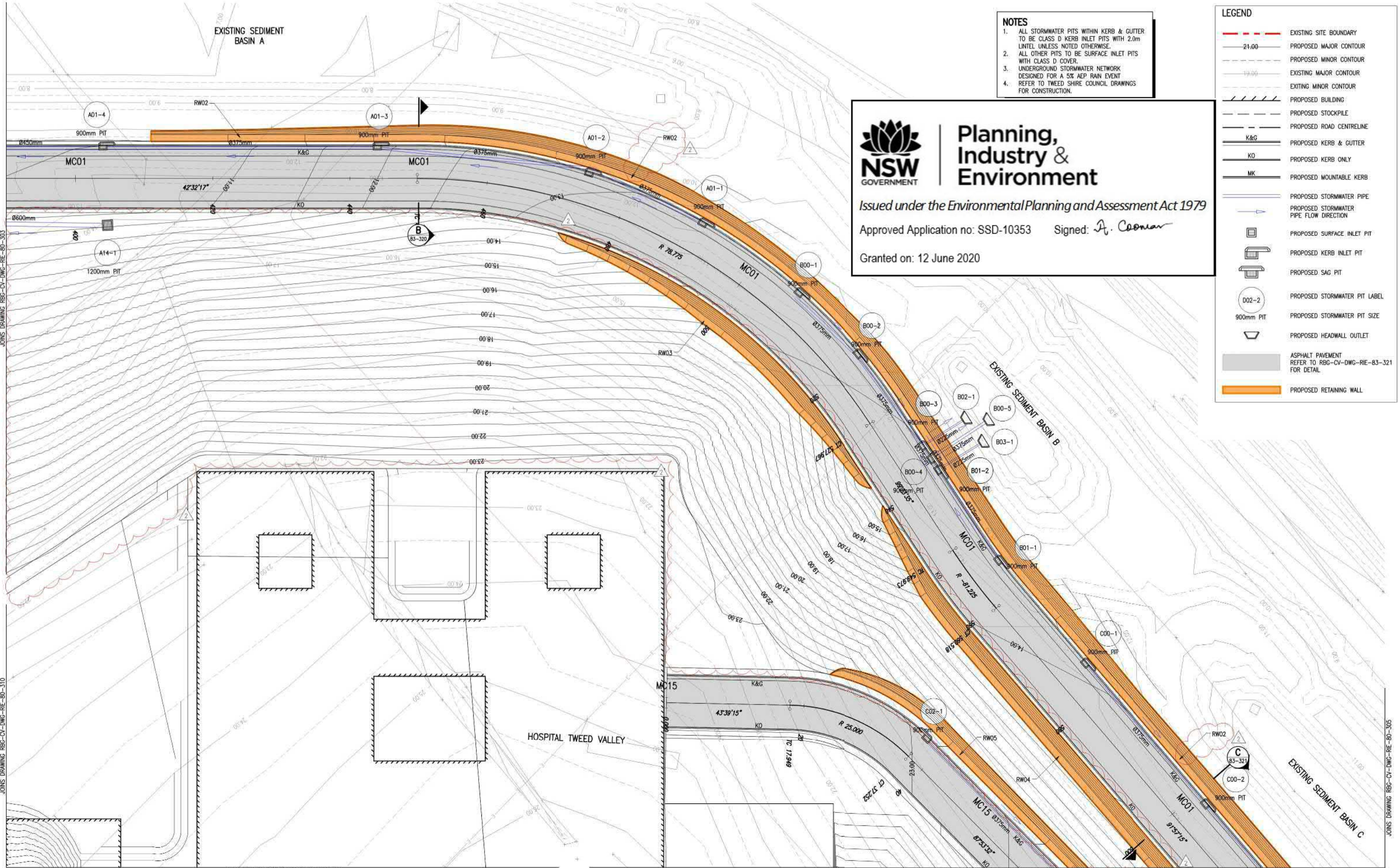
Drawn
R.GILL
Designer
D.RAVANDEH

Design Checker
D.RAVANDEH
Approved
C.ROPE
Job Number
19005

NOT FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-303

Revision
2



- NOTES**
1. ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m LINTEL UNLESS NOTED OTHERWISE.
 2. ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
 3. UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION.
 - 4.



**Planning,
Industry &
Environment**

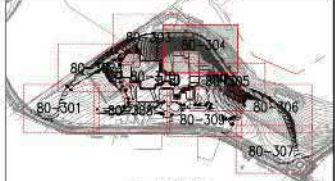
Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020

- LEGEND**
- EXISTING SITE BOUNDARY
 - 21.00 PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - 19.00 EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED BUILDING
 - PROPOSED STOCKPILE
 - PROPOSED ROAD CENTRELINE
 - K&G PROPOSED KERB & GUTTER
 - KO PROPOSED KERB ONLY
 - MK PROPOSED MOUNTABLE KERB
 - PROPOSED STORMWATER PIPE
 - PROPOSED STORMWATER PIPE FLOW DIRECTION
 - PROPOSED SURFACE INLET PIT
 - PROPOSED KERB INLET PIT
 - PROPOSED SAG PIT
 - 002-2 PROPOSED STORMWATER PIT LABEL
 - 900mm PIT PROPOSED STORMWATER PIT SIZE
 - PROPOSED HEADWALL OUTLET
 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
 - PROPOSED RETAINING WALL

SCALE 1:250



KEY PLAN

Rev	Revision Description	By	App	Date	Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19					
2	ISSUED FOR TENDER	RG	CR	27.05.19					

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ACN 010 500 240

lendlease

GENERAL ARRANGEMENT - SHEET 4 OF 10

Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
27.05.19

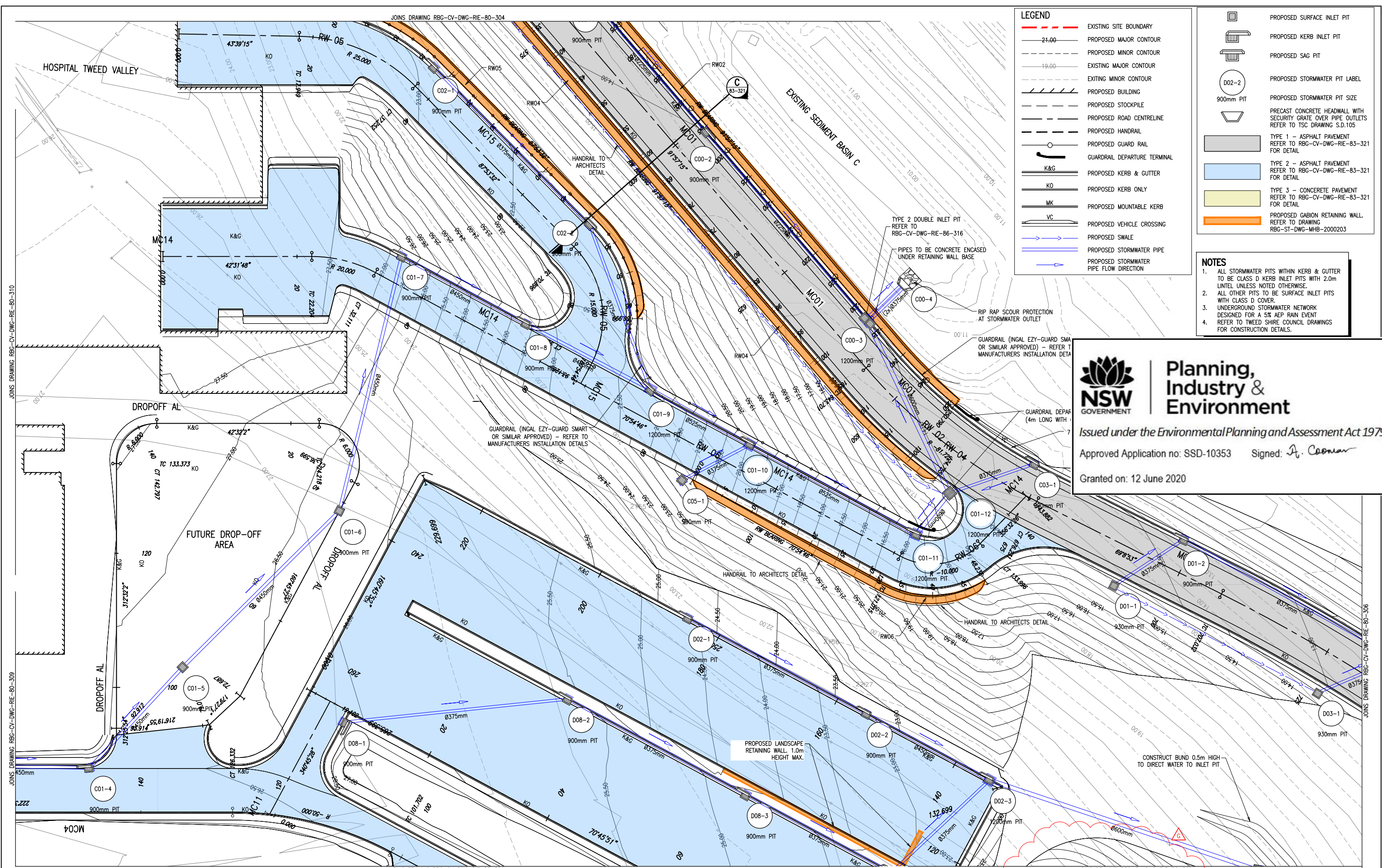
Drawn
R.GILL
Designer
D.RAVANDEH

Design Checker
D.RAVANDEH
Approved
C.ROPE
Job Number
19005

NOT FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-304

Revision
2



LEGEND

- EXISTING SITE BOUNDARY
- 21.00 PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 19.00 EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED BUILDING
- PROPOSED STOCKPILE
- PROPOSED ROAD CENTRELINE
- PROPOSED HANDRAIL
- PROPOSED GUARD RAIL
- GUARDRAIL DEPARTURE TERMINAL
- K&G PROPOSED KERB & GUTTER
- KO PROPOSED KERB ONLY
- MK PROPOSED MOUNTABLE KERB
- VC PROPOSED VEHICLE CROSSING
- PROPOSED SWALE
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIPE FLOW DIRECTION

- PROPOSED SURFACE INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED SAG PIT
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER PIT SIZE
- PRECAST CONCRETE HEADWALL WITH SECURITY GRATE OVER PIPE OUTLETS REFER TO TSC DRAWING S.D.105
- TYPE 1 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 2 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 3 - CONCRETE PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- PROPOSED GABION RETAINING WALL. REFER TO DRAWING RBG-ST-DWG-MHB-2000203

- NOTES**
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Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020

SCALE 1:250

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
2	ISSUED FOR TENDER	RG	CR	27.05.19
A	ISSUED FOR CONSTRUCTION	RG	CR	23.08.19
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G	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

Rev Revision Description By App Date

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ACN 010 580 248

Client

lendlease

GENERAL ARRANGEMENT - SHEET 5 OF 10

Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
28.02.20

Drawn
R.GILL
Designer
M.CLAVEL

Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-305

Revision
6



Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353

Signed: *A. Coonan*

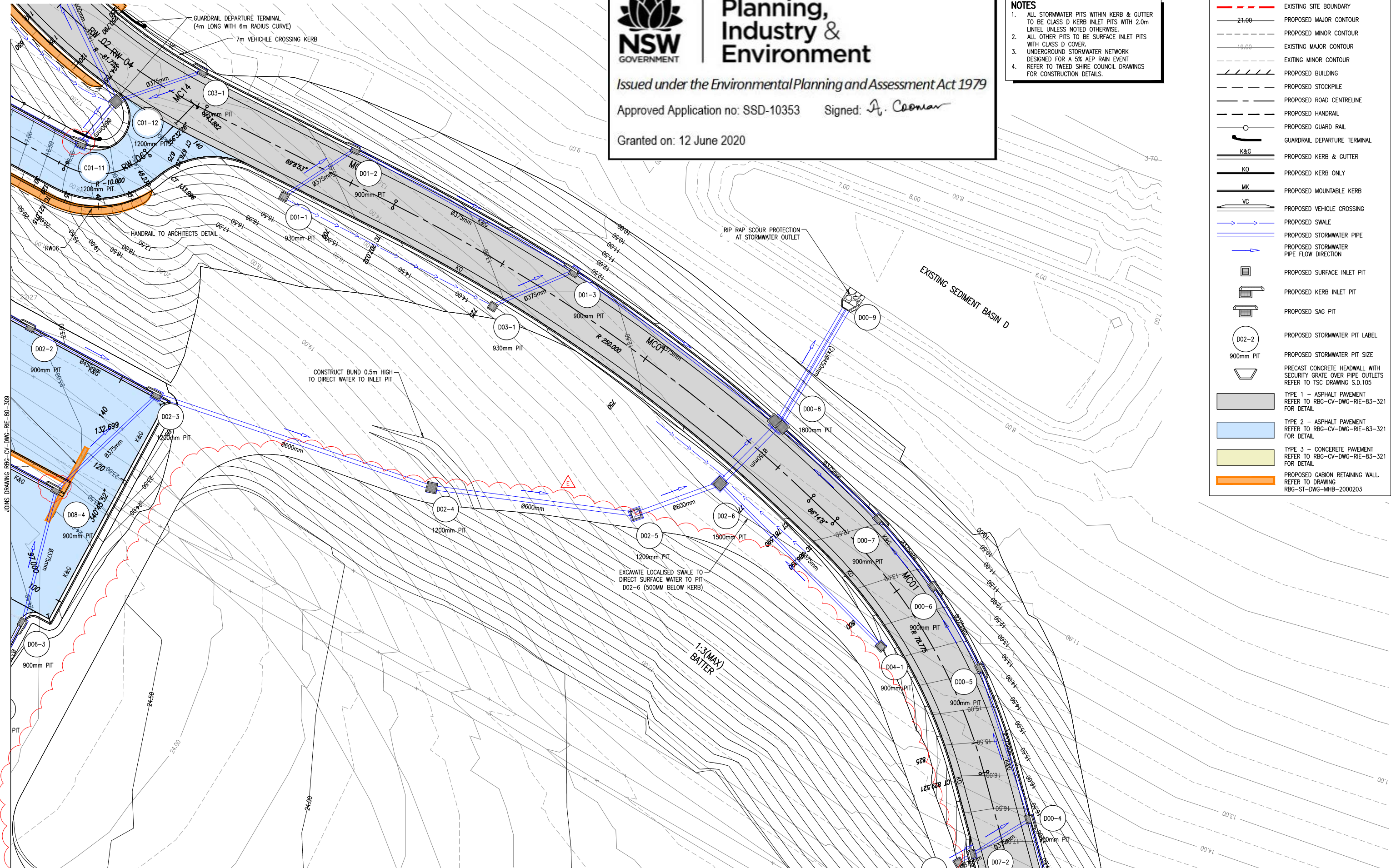
Granted on: 12 June 2020

NOTES

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- 4.

LEGEND

- EXISTING SITE BOUNDARY
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED BUILDING
- PROPOSED STOCKPILE
- PROPOSED ROAD CENTRELINE
- PROPOSED HANDRAIL
- PROPOSED GUARD RAIL
- GUARDRAIL DEPARTURE TERMINAL
- PROPOSED KERB & GUTTER
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- PROPOSED SWALE
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIPE FLOW DIRECTION
- PROPOSED SURFACE INLET PIT
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- PROPOSED SAG PIT
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER PIT SIZE
- PRECAST CONCRETE HEADWALL WITH SECURITY GRATE OVER PIPE OUTLETS REFER TO TSC DRAWING S.D.105
- TYPE 1 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 2 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- TYPE 3 - CONCRETE PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
- PROPOSED GABION RETAINING WALL. REFER TO DRAWING RBG-ST-DWG-MHB-2000203

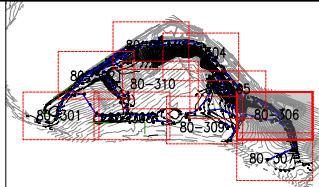


JOINS DRAWING RBG-CV-DWG-RIE-80-309

JOINS DRAWING RBG-CV-DWG-RIE-80-307



SCALE 1:250



KEY PLAN

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
A	ISSUED FOR CONSTRUCTION	RG	CR	13.09.19
B	ISSUED FOR CONSTRUCTION	RG	CR	24.09.19
C	ISSUED FOR CONSTRUCTION	MC	CR	31.10.19
D	ISSUED FOR CONSTRUCTION	MC	CR	25.11.19
E	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

Rev	Revision Description	By	App	Date
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A	ISSUED FOR CONSTRUCTION	RG	CR	13.09.19
B	ISSUED FOR CONSTRUCTION	RG	CR	24.09.19
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E	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

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Engineering Consultant

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ACN 010 580 248

Client



Title
**GENERAL ARRANGEMENT - SHEET 6
OF 10**

Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
28.02.20

Drawn
R.GILL
Designer
M.CLAVEL

Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-306

Revision
E

LEGEND	
	EXISTING SITE BOUNDARY
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED BUILDING
	PROPOSED STOCKPILE
	PROPOSED ROAD CENTRELINE
	PROPOSED HANDRAIL
	PROPOSED GUARD RAIL
	GUARDRAIL DEPARTURE TERMINAL
	PROPOSED KERB & GUTTER
	PROPOSED KERB ONLY
	PROPOSED MOUNTABLE KERB
	PROPOSED VEHICLE CROSSING
	PROPOSED SWALE
	PROPOSED STORMWATER PIPE
	PROPOSED STORMWATER PIPE FLOW DIRECTION
	PROPOSED SURFACE INLET PIT
	PROPOSED KERB INLET PIT
	PROPOSED SAG PIT
	PROPOSED STORMWATER PIT LABEL
	PROPOSED STORMWATER PIT SIZE
	PRECAST CONCRETE HEADWALL WITH SECURITY GRATE OVER PIPE OUTLETS REFER TO TSC DRAWING S.D.105
	TYPE 1 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	TYPE 2 - ASPHALT PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	TYPE 3 - CONCRETE PAVEMENT REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL
	PROPOSED GABION RETAINING WALL. REFER TO DRAWING RBG-ST-DWG-MHB-2000203

NOTES

1. ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m UNTEL UNLESS NOTED OTHERWISE.
2. ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
3. UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION DETAILS.



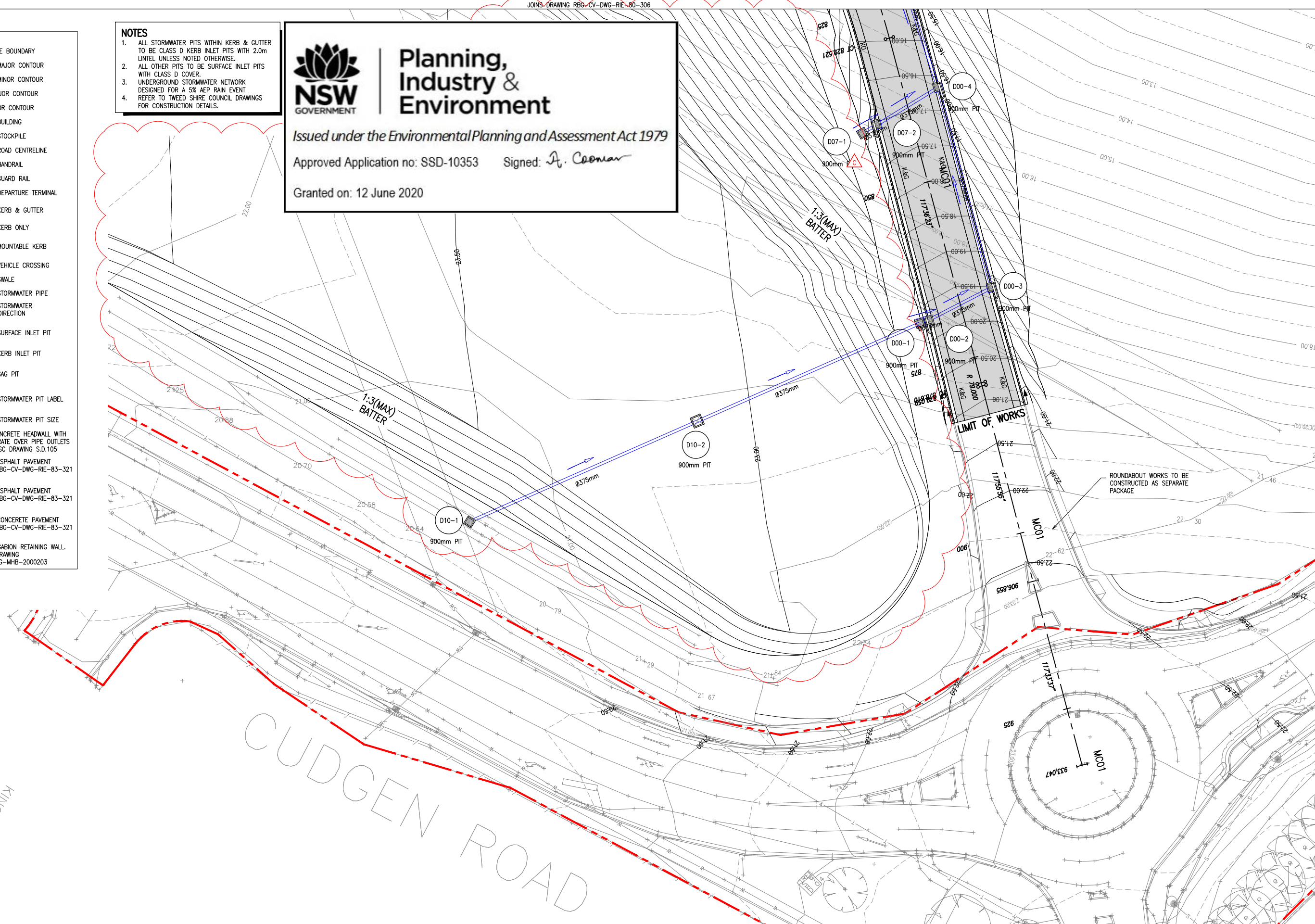
Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

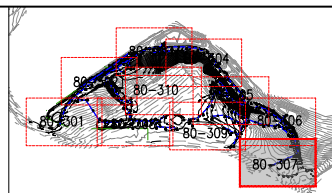
Approved Application no: SSD-10353

Signed: *A. Coonan*

Granted on: 12 June 2020



SCALE 1:250



KEY PLAN

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
A	ISSUED FOR CONSTRUCTION	RG	CR	13.09.19
B	ISSUED FOR CONSTRUCTION	RG	CR	25.11.19
C	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

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Client



GENERAL ARRANGEMENT - SHEET 7 OF 10

Project
TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485

Scale at A1
AS SHOWN
Date
28.02.20

Drawn
M.CLAVEL
Designer
M.CLAVEL

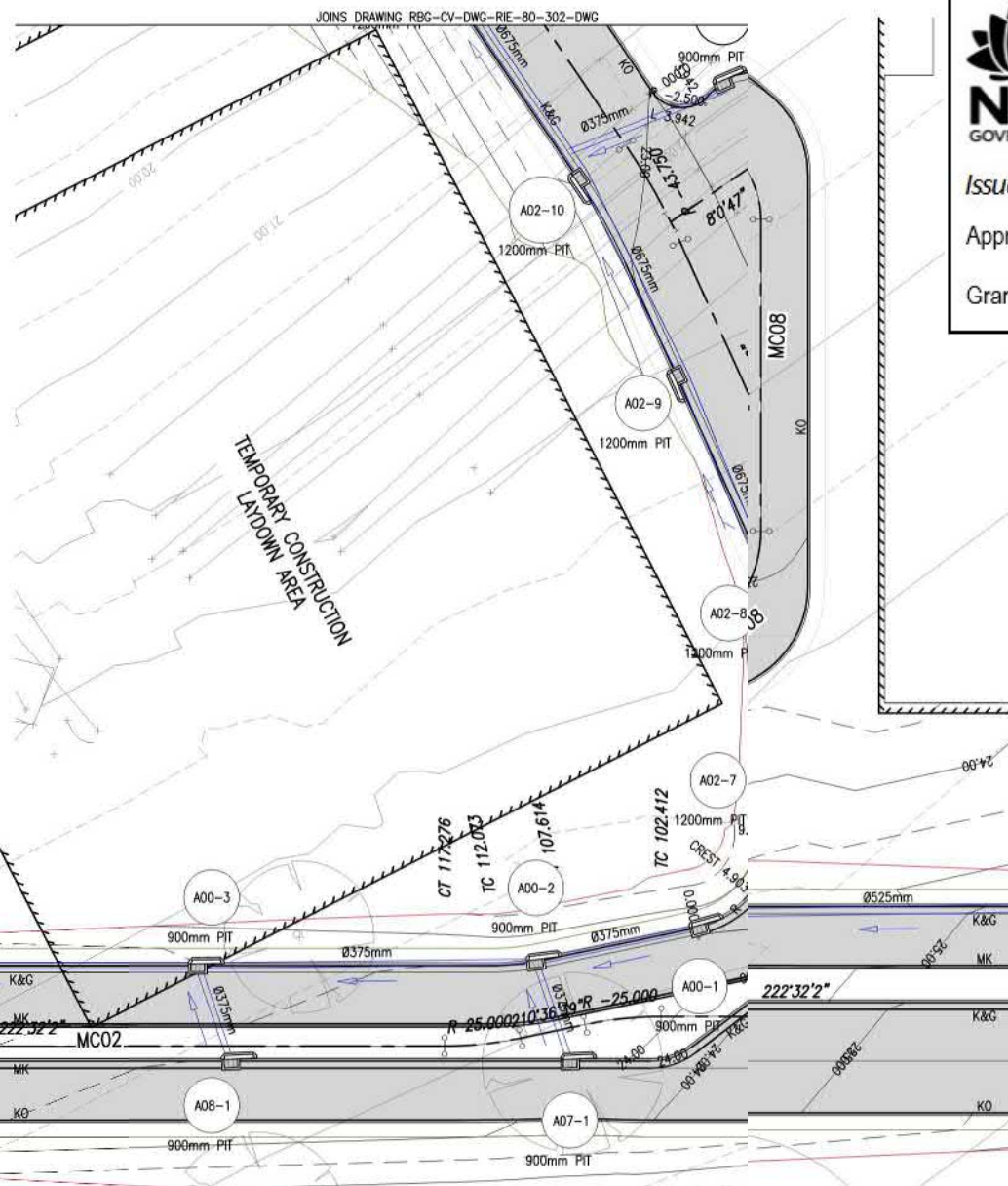
Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-307

Revision
C

- LEGEND**
- EXISTING SITE BOUNDARY
 - 21.00 PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - 19.00 EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED BUILDING
 - PROPOSED STOCKPILE
 - PROPOSED ROAD CENTRELINE
 - K&G PROPOSED KERB & GUTTER
 - KO PROPOSED KERB ONLY
 - MK PROPOSED MOUNTABLE KERB
 - PROPOSED STORMWATER PIPE
 - PROPOSED STORMWATER PIPE FLOW DIRECTION
 - PROPOSED SURFACE INLET PIT
 - PROPOSED KERB INLET PIT
 - PROPOSED SAG PIT
 - D02-2 PROPOSED STORMWATER PIT LABEL
 - 900mm PIT PROPOSED STORMWATER PIT SIZE
 - PROPOSED HEADWALL OUTLET
 - ASPHALT PAVEMENT
REFER TO RBG-CV-DWG-RIE-83-321 FOR DETAIL



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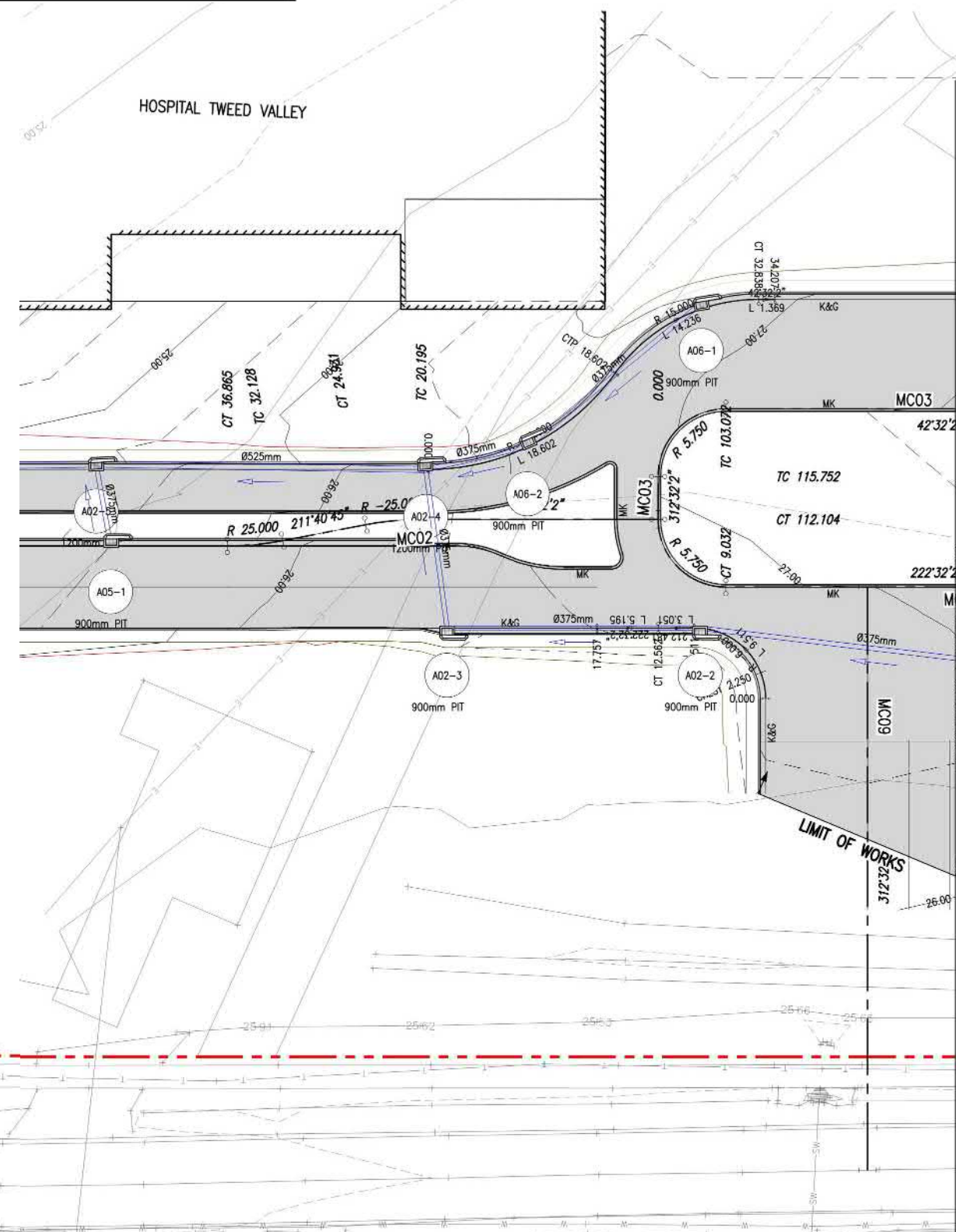
Approved Application no: SSD-10353

Signed: A. Coonan

Granted on: 12 June 2020

NOTES

- ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m LINTEL UNLESS NOTED OTHERWISE.
- ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
- UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION.



JOINS DRAWING RBG-CV-DWG-RIE-80-301-DWG

JOINS DRAWING RBG-CV-DWG-RIE-80-309-DWG

SCALE 1:250



Rev Revision Description
1 ISSUED FOR TENDER

By App Date
RG CR 20.05.19

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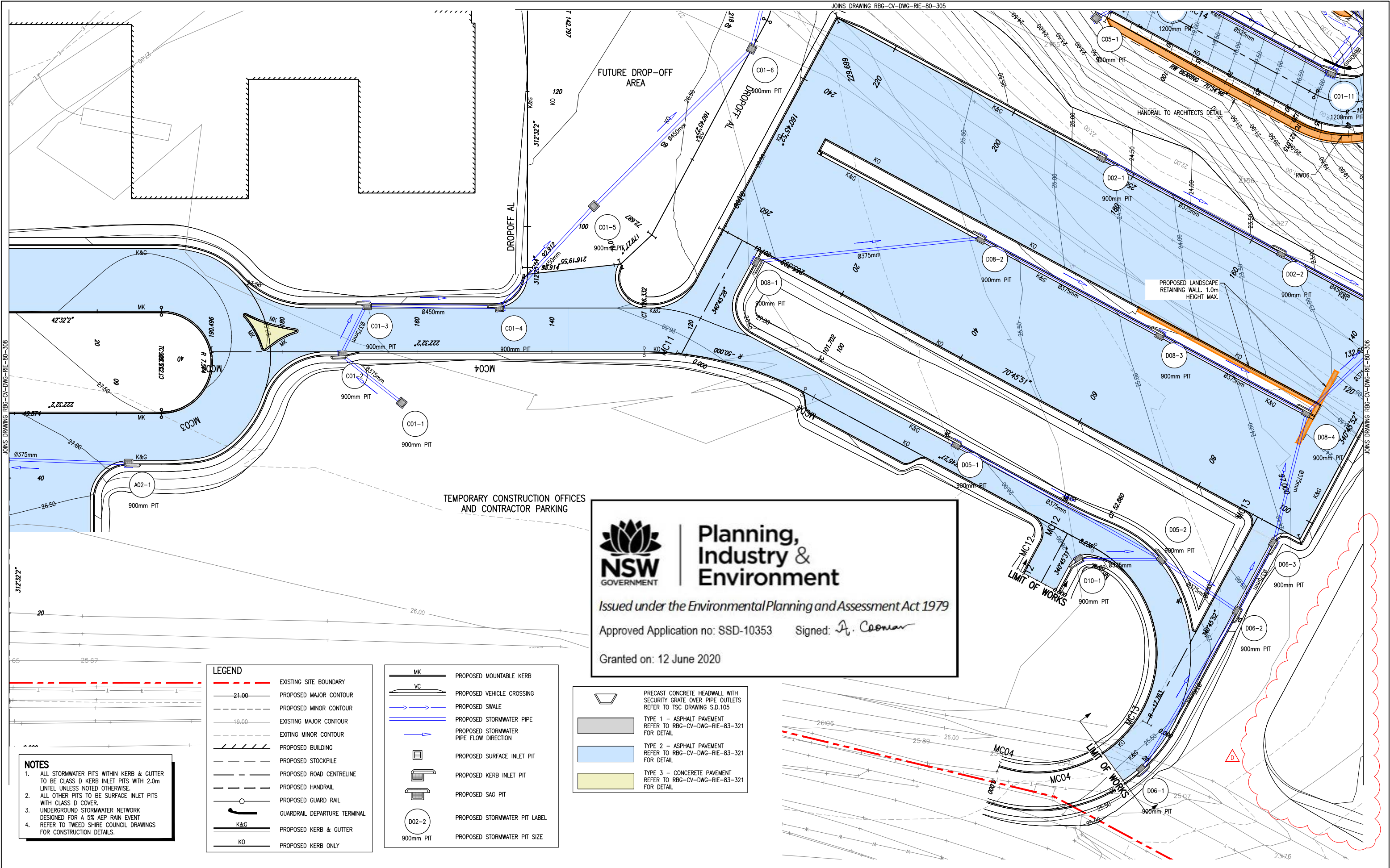
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Engineering Consultant
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Member of the Surbana Group
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ACN 010 581 248

Client



Title
GENERAL ARRANGEMENT - SHEET 8 OF 10
Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
20.05.19
Drawn
R. GILL
Designer
D. RAVANDEH
Design Checker
D. RAVANDEH
Approved
C. ROPE
Job Number
19005
NOT FOR CONSTRUCTION
Drawing Number
RBG-CV-DWG-RIE-80-308-DWG 1
Revision



JOINS DRAWING RBG-CV-DWG-RIE-80-308

JOINS DRAWING RBG-CV-DWG-RIE-80-306



**Planning,
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Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020

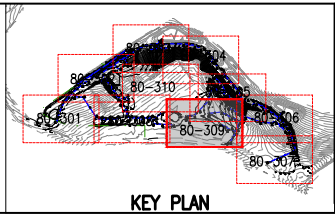
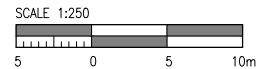
LEGEND

- EXISTING SITE BOUNDARY
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED BUILDING
- PROPOSED STOCKPILE
- PROPOSED ROAD CENTRELINE
- PROPOSED HANDRAIL
- PROPOSED GUARD RAIL
- GUARDRAIL DEPARTURE TERMINAL
- PROPOSED KERB & GUTTER
- PROPOSED KERB ONLY

- PROPOSED MOUNTABLE KERB
- PROPOSED VEHICLE CROSSING
- PROPOSED SWALE
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIPE FLOW DIRECTION
- PROPOSED SURFACE INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED SAG PIT
- PROPOSED STORMWATER PIT LABEL
- PROPOSED STORMWATER PIT SIZE

NOTES

- ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m UNTEL UNLESS NOTED OTHERWISE.
- ALL OTHER PITS TO BE SURFACE INLET PITS WITH CLASS D COVER.
- UNDERGROUND STORMWATER NETWORK DESIGNED FOR A 5% AEP RAIN EVENT REFER TO TWEED SHIRE COUNCIL DRAWINGS FOR CONSTRUCTION DETAILS.



Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19
A	ISSUED FOR CONSTRUCTION	MC	CR	31.10.19
B	ISSUED FOR CONSTRUCTION	MC	CR	25.11.19
C	ISSUED FOR CONSTRUCTION	MC	CR	27.11.19
D	ISSUED FOR CONSTRUCTION	MC	CR	28.02.20

Rev	Revision Description	By	App	Date
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A	ISSUED FOR CONSTRUCTION	MC	CR	31.10.19
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Client



GENERAL ARRANGEMENT - SHEET 9 OF 10

Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date 28.02.20

Drawn
M.CLAVEL
Designer
M.CLAVEL

Design Checker
C.WAITE
Approved
C.ROPE
Job Number
19005

APPROVED FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-80-309

Revision
D



Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353

Signed: *A. Coonan*

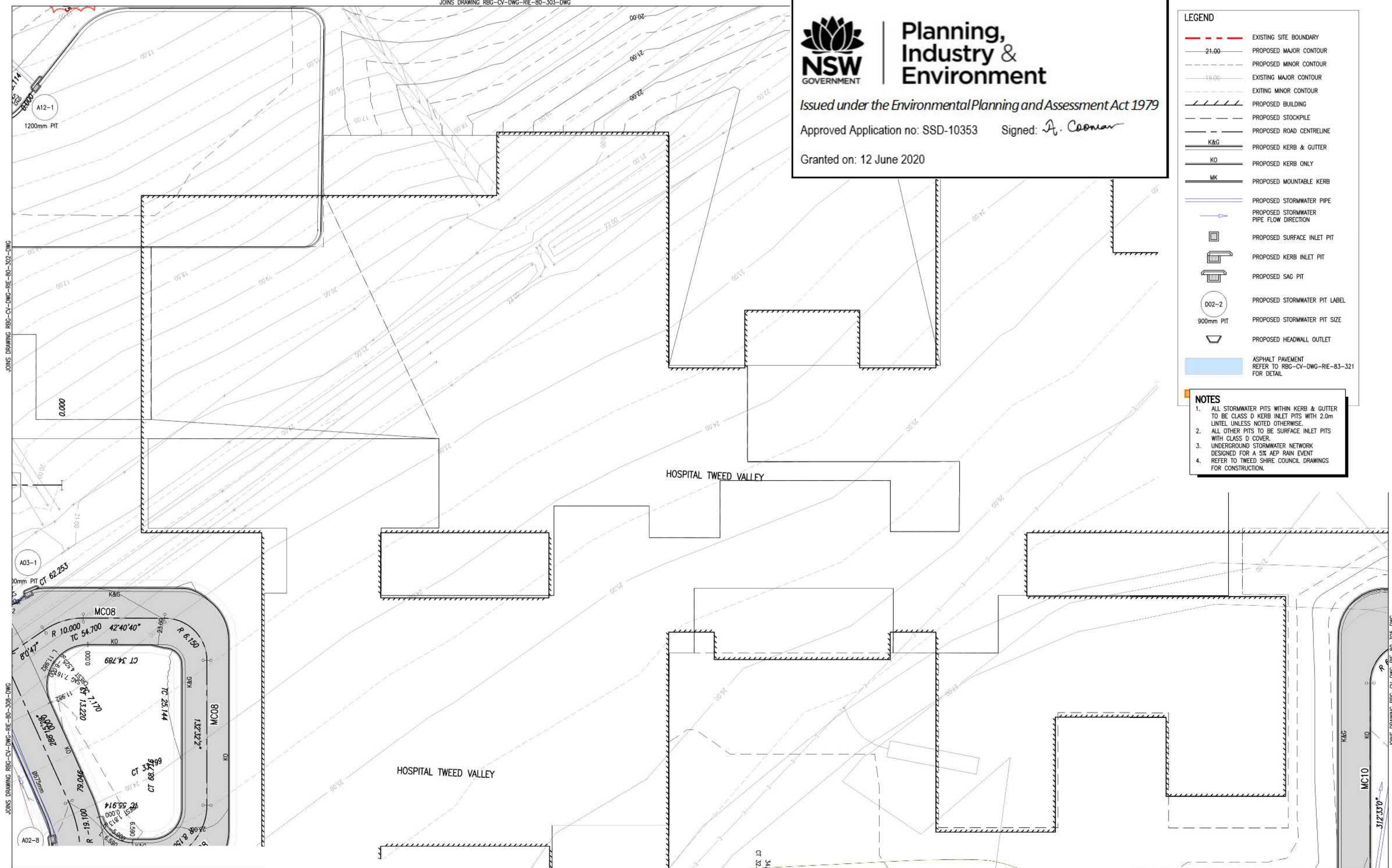
Granted on: 12 June 2020

LEGEND

- EXISTING SITE BOUNDARY
- 21.00 PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 19.00 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED BUILDING
- PROPOSED STOCKPILE
- PROPOSED ROAD CENTRELINE
- PROPOSED KERB & GUTTER
- KO PROPOSED KERB ONLY
- MK PROPOSED MOUNTABLE KERB
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIPE FLOW DIRECTION
- PROPOSED SURFACE INLET PIT
- PROPOSED KERB INLET PIT
- PROPOSED SAG PIT
- D02-2 PROPOSED STORMWATER PIT LABEL
- 900mm PIT PROPOSED STORMWATER PIT SIZE
- PROPOSED HEADWALL OUTLET
- ASPHALT PAVEMENT
REFER TO RBG-CV-DWG-RIE-83-321
FOR DETAIL

NOTES

- ALL STORMWATER PITS WITHIN KERB & GUTTER TO BE CLASS D KERB INLET PITS WITH 2.0m UNTEL UNLESS NOTED OTHERWISE.
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JOINS DRAWING RBG-CV-DWG-RIE-80-308-DWG

JOINS DRAWING RBG-CV-DWG-RIE-80-309-DWG



SCALE 1:250



Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19

Rev	Revision Description	By	App	Date
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ACN 010 581 248



Client

Scale at A1
AS SHOWN
Date
20.05.19

Drawn
R.GILL
Designer
D.RAVANDEH

Design Checker
D.RAVANDEH
Approved
C.ROPE
Job Number
19005

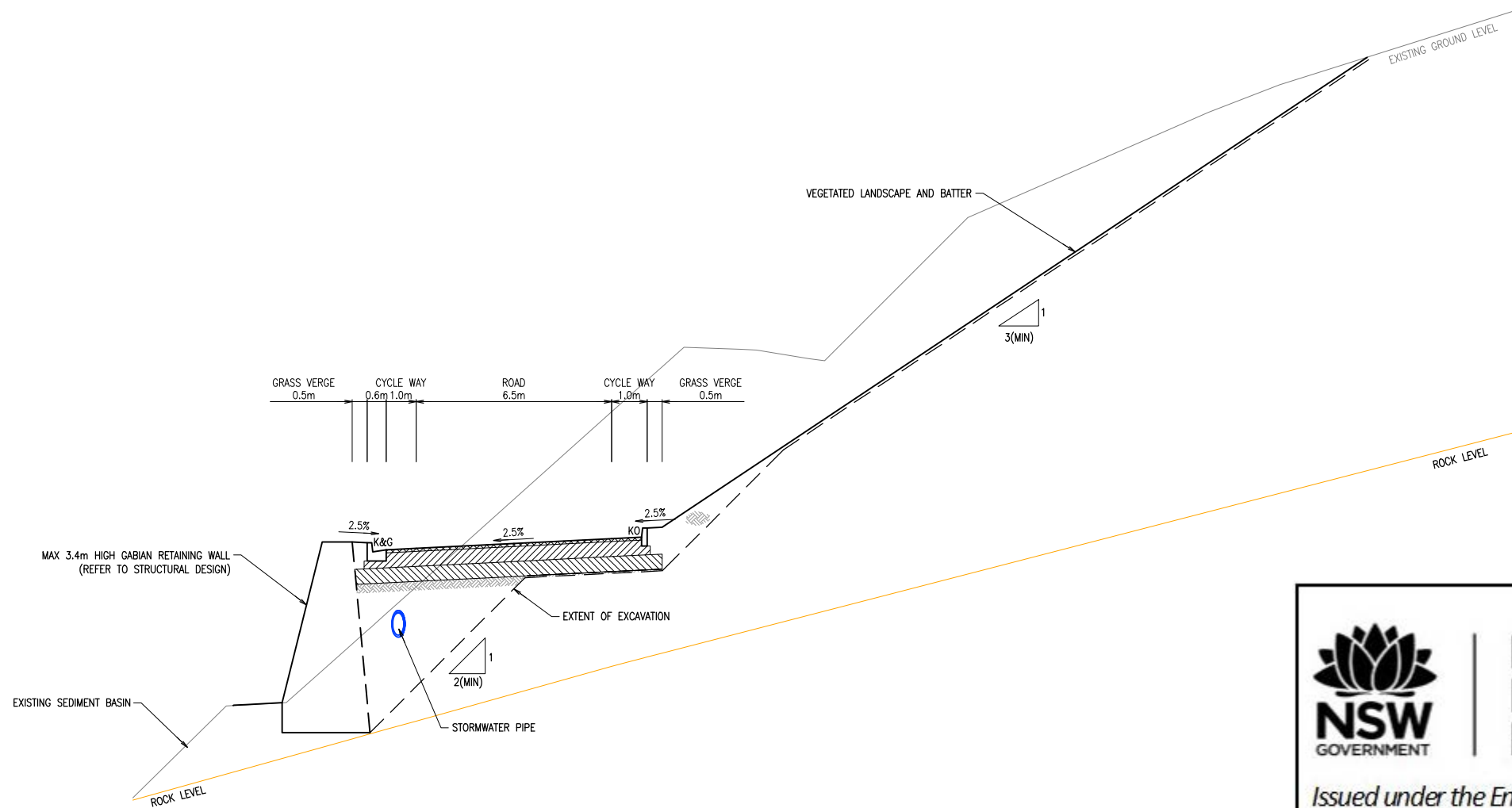
Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Drawn
R.GILL
Designer
D.RAVANDEH

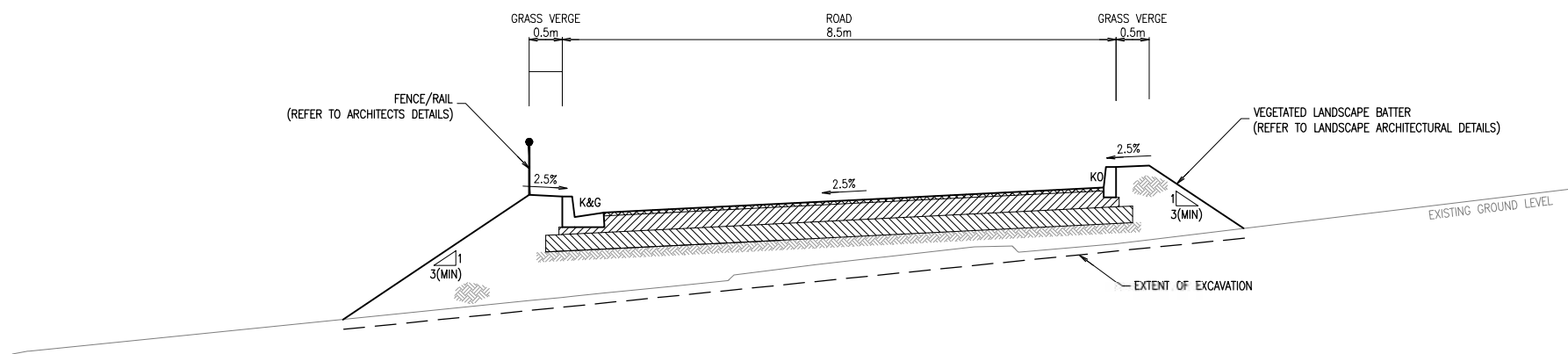
Design Checker
D.RAVANDEH
Approved
C.ROPE
Job Number
19005

NOT FOR CONSTRUCTION

Drawing Number
Revision
RBG-CV-DWG-RIE-80-310-DWG 1



TYPICAL MC01 SECTION — CHAINAGE 450
SCALE H1:100 V1:50



TYPICAL MC01 SECTION — CHAINAGE 100
SCALE H1:50 V1:25



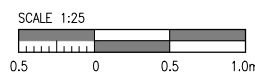
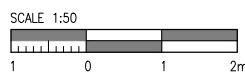
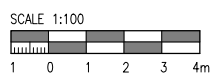
Planning,
Industry &
Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353

Signed: *A. Coonan*

Granted on: 12 June 2020



Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19

Rev	Revision Description	By	App	Date

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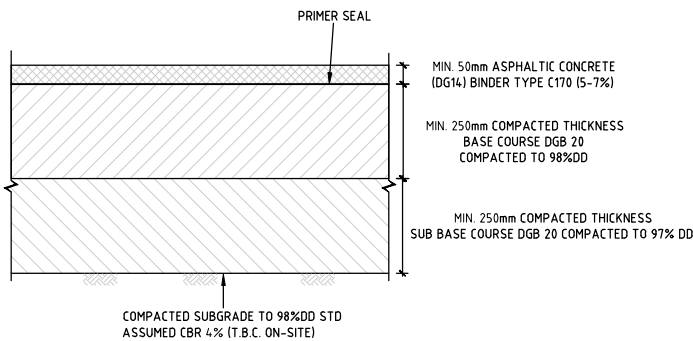
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Fax: (02) 8246 3201
Email: sydney@robertbird.com.au
Web: www.robertbird.com
ACN 010 580 246



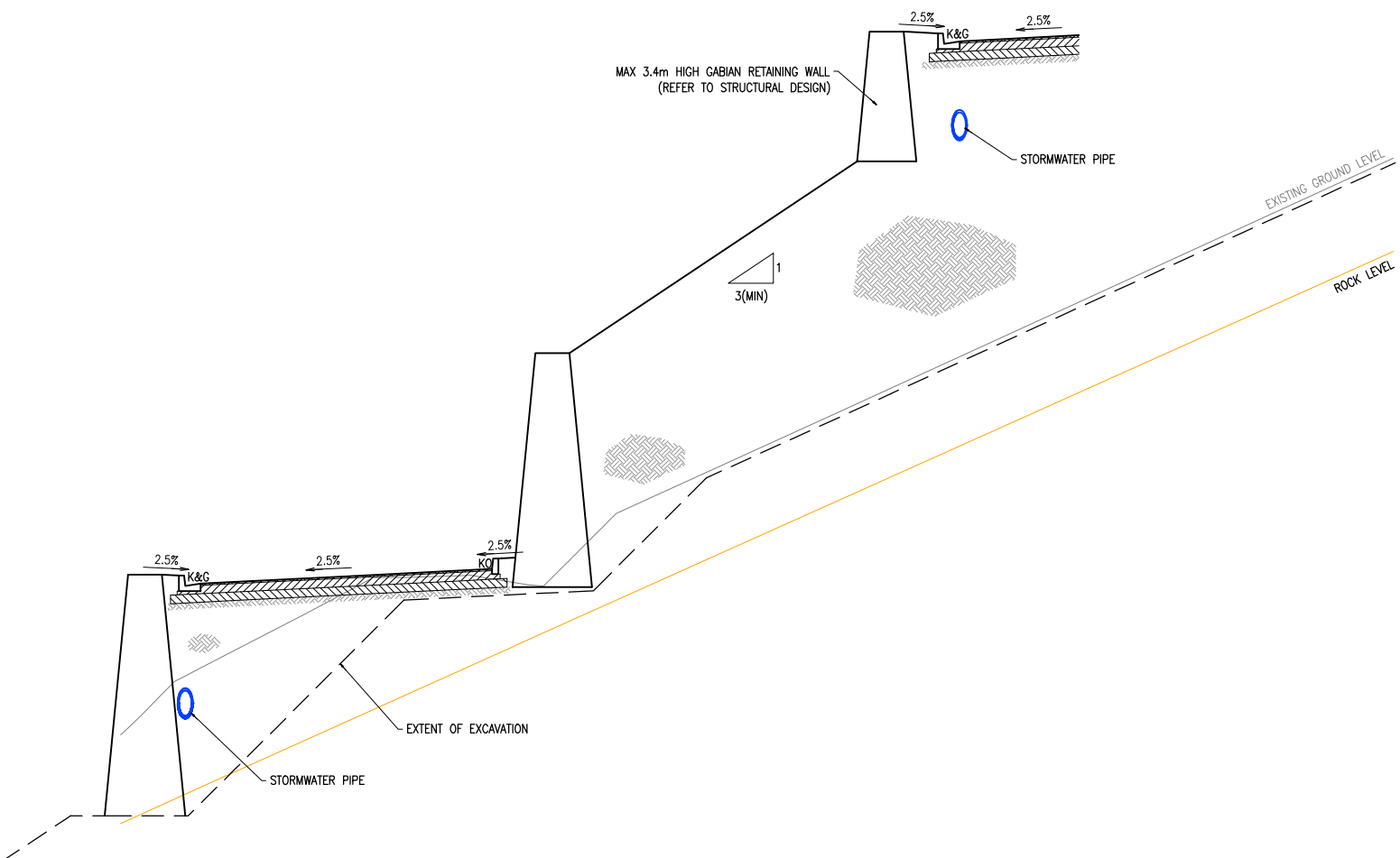
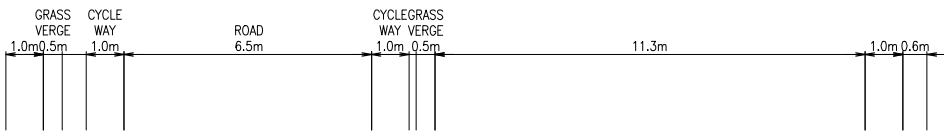
Project
**ROADWORKS — TYPICAL SECTION —
SHEET 1 OF 2**

TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485

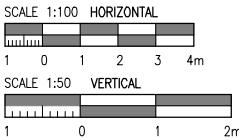
Scale at A1 AS SHOWN Date 20.05.19	Drawn R.GILL Designer D.RAVANDEH	Design Checker D.RAVANDEH Approved C.ROPE Job Number 19005
NOT FOR CONSTRUCTION		
Drawing Number RBG-CV-DWG-RIE-83-320-DWG	Revision 1	



HEAVY DUTY ASPHALT PAVEMENT
SCALE 1:10



TYPICAL MC01 SECTION – CHAINAGE 600
SCALE H1:100 V1:50



Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19

Rev	Revision Description	By	App	Date
1	ISSUED FOR TENDER	RG	CR	20.05.19

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Engineering Consultant

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ACN 010 580 246



Client:

Title:
**ROADWORKS – TYPICAL SECTION –
SHEET 2 OF 2**

Project:
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1 AS SHOWN Date 20.05.19	Drawn R.GILL Designer D.RAVANDEH	Design Checker D.RAVANDEH Approved C.ROPE Job Number 19005
NOT FOR CONSTRUCTION		
Drawing Number RBG-CV-DWG-RIE-83-321-DWG 1	Revision	

ESTIMATED CUT VOLUME IN CLAY = 2,180m³
ESTIMATED CUT VOLUME IN ROCK = 300m³
ESTIMATED TOTAL CUT VOLUME = 2,480m³
ESTIMATED FILL VOLUME = 4,500m³
ESTIMATED TOTAL BALANCE (i.e. EXCESS OF FILL OVER CUT) = 2020m³

NOTE:
ALL QUANTITIES ARE ESTIMATED VALUES BASED ON TOPOGRAPHIC SURVEY AND GEOTECHNICAL LOGS PROVIDED BY OTHERS. QUANTITIES ARE EXCLUSIVE OF:
• BULKING FACTORS
• SITE CLEARANCE AND TOPSOIL STRIP
• TEMPORARY WORKS, INCLUDING RAMPS AND ACCESS ROADS
QUANTITIES ARE PROVIDED FOR INFORMATION ONLY.

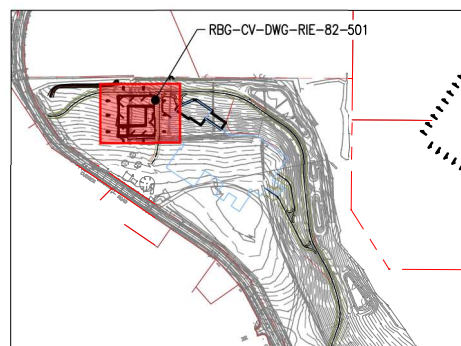
CUT / FILL DEPTH RANGE

LOWER VALUE	UPPER VALUE	COLOUR
3.0	to 4.0	m
2.0	to 3.0	m
1.0	to 2.0	m
0.0	to 1.0	m
-1.0	to 0.0	m
-2.0	to -1.0	m
-3.0	to -2.0	m
-4.0	to -3.0	m

NOTE:
-VALUES REPRESENT CUT
+VE VALUES REPRESENT FILL

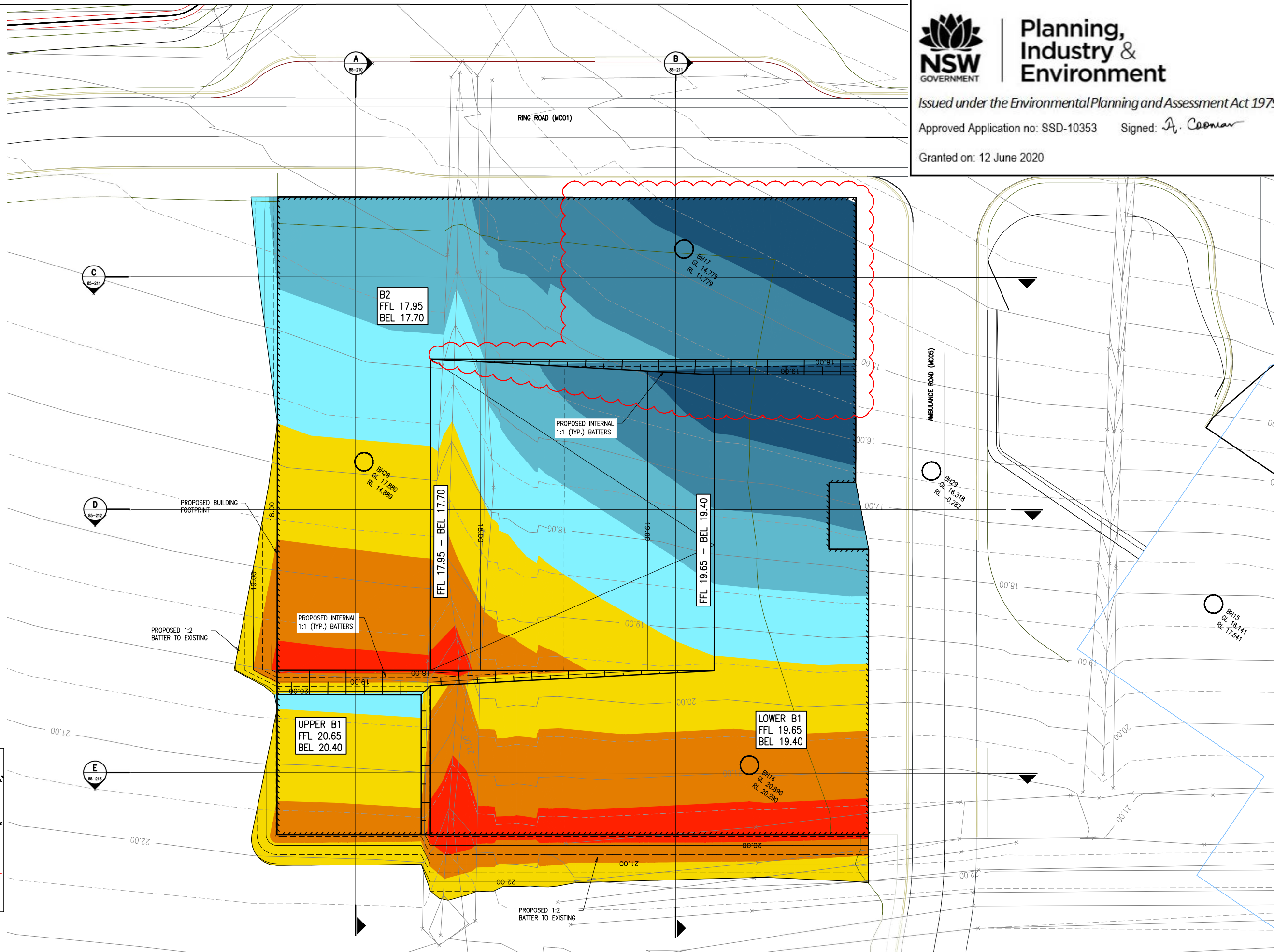
LEGEND

	PROPOSED BUILDING FOOTPRINT
	PROPOSED PADS LEVELS
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR BULK EARTHWORK CONTOUR
	PROPOSED MINOR BULK EARTHWORK CONTOUR
	FUTURE ROAD WORKS
	BH12 GL 26.626 RL 25.326



KEY PLAN
N.T.S.

SCALE 1:200
2 0 2 4 6 8m



Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353

Signed: A. Coonan

Granted on: 12 June 2020

Rev	Revision Description	By	App	Date
1	ISSUED FOR SCHEMATIC DESIGN	MC	CR	27.08.19
2	ISSUED FOR SCHEMATIC DESIGN	MC	CR	12.09.19

Rev	Revision Description	By	App	Date
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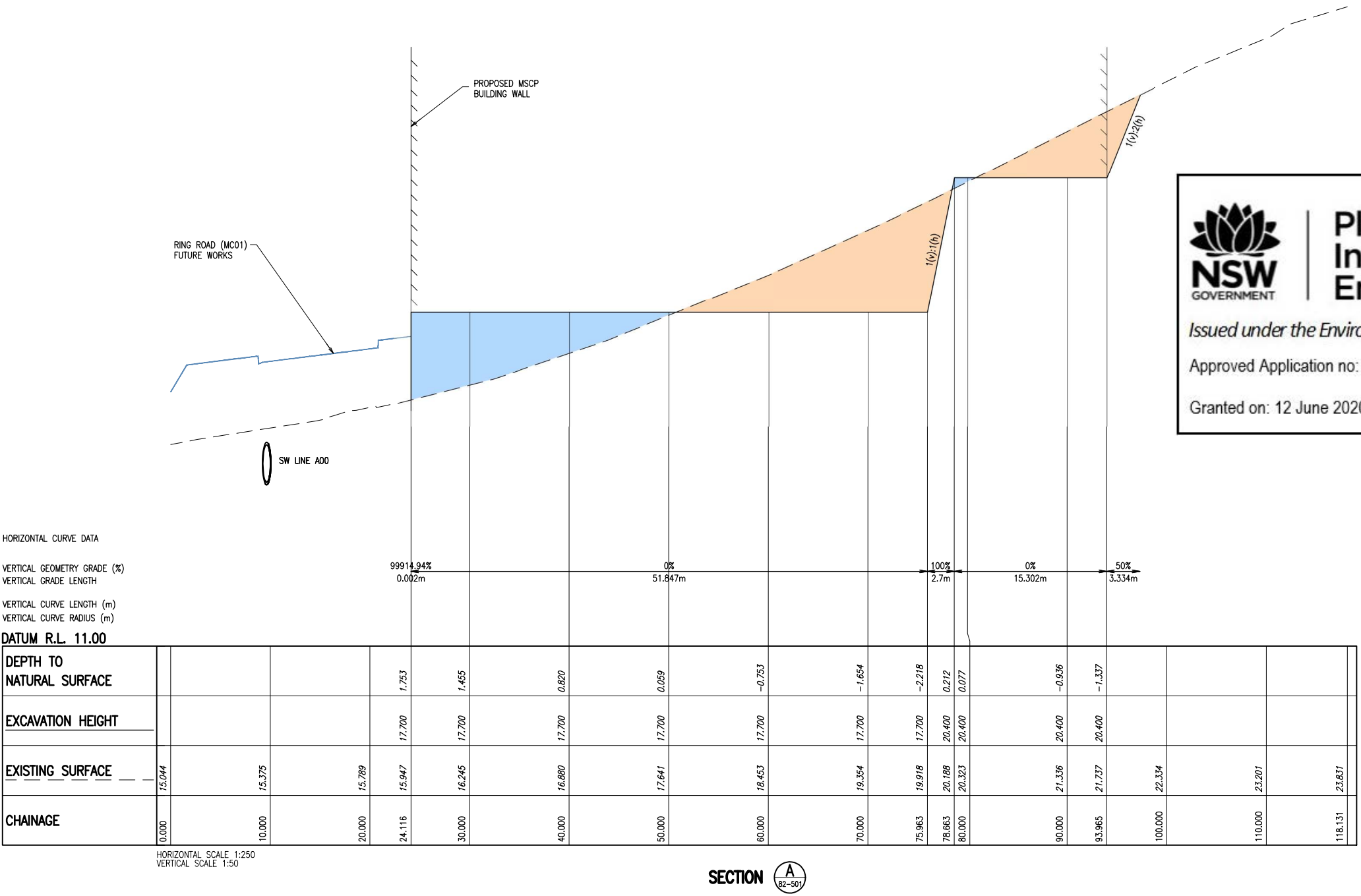
Client
lendlease
Title
MULTI-STORY CAR PARK - BULK EARTHWORKS PLAN
Project
**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1 AS SHOWN Date 12.09.19	Drawn M.CLAVEL Designer M.CLAVEL	Design Checker Approved C.ROPE Job Number 19005
Drawing Number RBG-CV-DWG-RIE-82-501	Revision 2	

LEGEND

PROPOSED CUT MATERIAL

PROPOSED FILL MATERIAL



Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020

HORIZONTAL SCALE 1:250
VERTICAL SCALE 1:50

SECTION A
82-501



Rev Revision Description By App Date 1 ISSUED FOR SCHEMATIC DESIGN MC CR 27.08.19	Rev Revision Description By App Date <td> Disclaimer: Robert Bird Group Pty Ltd ACN 010 580 248 and its related entities (RBG) do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding PDF or DWG version issued by RBG. RBG will not be liable for any loss or damage you or any other party incurs as a result of acting in reliance on any information or data supplied or transferred by electronic means and you release RBG from any liability for any loss or damage however caused which you or any other party may directly or indirectly suffer in connection with your access to or use of that information or data. RBG provides this information for the express purpose contemplated by the underlying terms of engagement for the project which must not be used for any other purpose. The information is not a contractual document. Unless otherwise agreed in writing by RBG, all intellectual property rights in any information supplied by RBG are owned by, or licensed to, RBG. RBG only provides you with a non-transferable, fully revocable licence to use the intellectual property rights for the express purpose. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS REFER TO GENERAL NOTES UNLESS NOTED OTHERWISE </td> <td> Structural, Civil & Construction Engineering Consultant Robert Bird Group Member of the Surbana Jurong Group SYDNEY OFFICE Robert Bird Group Pty Ltd PO Box A2309 Sydney South, NSW 1235 Level 11, 151 Castlereagh St Sydney NSW 2000 Ph: (02) 8246 3200 Fax: (02) 8246 3261 Email: sydney@robertbird.com.au Web: www.robertbird.com ACN 010 580 248 </td> <td> Client </td> <td> Title MULTI-STOREY CAR PARK – BULK EARTHWORKS SECTION – SHEET 1 OF 5 Project TWEED VALLEY HOSPITAL TWEED SHIRE, GREENFIELD SITE, NORTHERN RIVERS, NSW 2485 </td> <td> Scale at A1 AS SHOWN Date 27.08.19 Drawn M.CLAVEL Designer M.CLAVEL Design Checker — Approved C.ROPE Job Number 19005 NOT FOR CONSTRUCTION Drawing Number RBG-CV-DWG-RIE-82-510 Revision 1 </td>	Disclaimer: Robert Bird Group Pty Ltd ACN 010 580 248 and its related entities (RBG) do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding PDF or DWG version issued by RBG. RBG will not be liable for any loss or damage you or any other party incurs as a result of acting in reliance on any information or data supplied or transferred by electronic means and you release RBG from any liability for any loss or damage however caused which you or any other party may directly or indirectly suffer in connection with your access to or use of that information or data. RBG provides this information for the express purpose contemplated by the underlying terms of engagement for the project which must not be used for any other purpose. The information is not a contractual document. Unless otherwise agreed in writing by RBG, all intellectual property rights in any information supplied by RBG are owned by, or licensed to, RBG. RBG only provides you with a non-transferable, fully revocable licence to use the intellectual property rights for the express purpose. DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS REFER TO GENERAL NOTES UNLESS NOTED OTHERWISE	Structural, Civil & Construction Engineering Consultant Robert Bird Group Member of the Surbana Jurong Group SYDNEY OFFICE Robert Bird Group Pty Ltd PO Box A2309 Sydney South, NSW 1235 Level 11, 151 Castlereagh St Sydney NSW 2000 Ph: (02) 8246 3200 Fax: (02) 8246 3261 Email: sydney@robertbird.com.au Web: www.robertbird.com ACN 010 580 248	Client	Title MULTI-STOREY CAR PARK – BULK EARTHWORKS SECTION – SHEET 1 OF 5 Project TWEED VALLEY HOSPITAL TWEED SHIRE, GREENFIELD SITE, NORTHERN RIVERS, NSW 2485	Scale at A1 AS SHOWN Date 27.08.19 Drawn M.CLAVEL Designer M.CLAVEL Design Checker — Approved C.ROPE Job Number 19005 NOT FOR CONSTRUCTION Drawing Number RBG-CV-DWG-RIE-82-510 Revision 1
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LEGEND

PROPOSED CUT MATERIAL

PROPOSED FILL MATERIAL

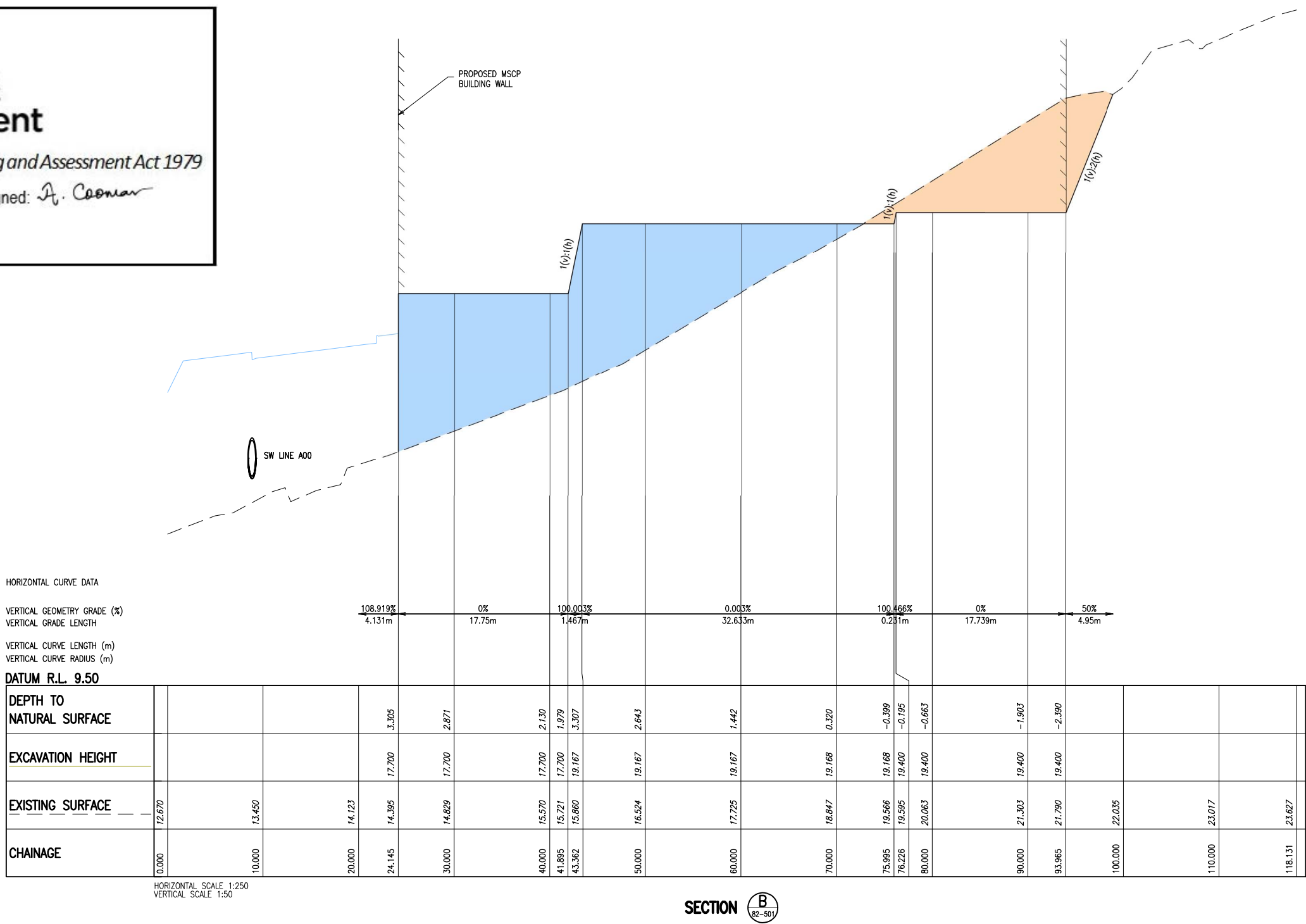


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Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020



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2	ISSUED FOR SCHEMATIC DESIGN	MC	CR	12.09.19

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ACN 010 580 248

Client



Title

**MULTI-STOREY CAR PARK – BULK
EARTHWORKS SECTION – SHEET 2
OF 5**

Project

**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1
AS SHOWN
Date
12.09.19

Drawn
M.CLAVEL
Designer
M.CLAVEL

Design Checker
—
Approved
C.ROPE
Job Number
19005

NOT FOR CONSTRUCTION

Drawing Number
RBG-CV-DWG-RIE-82-511

Revision
2

LEGEND

PROPOSED CUT MATERIAL

PROPOSED FILL MATERIAL

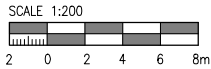
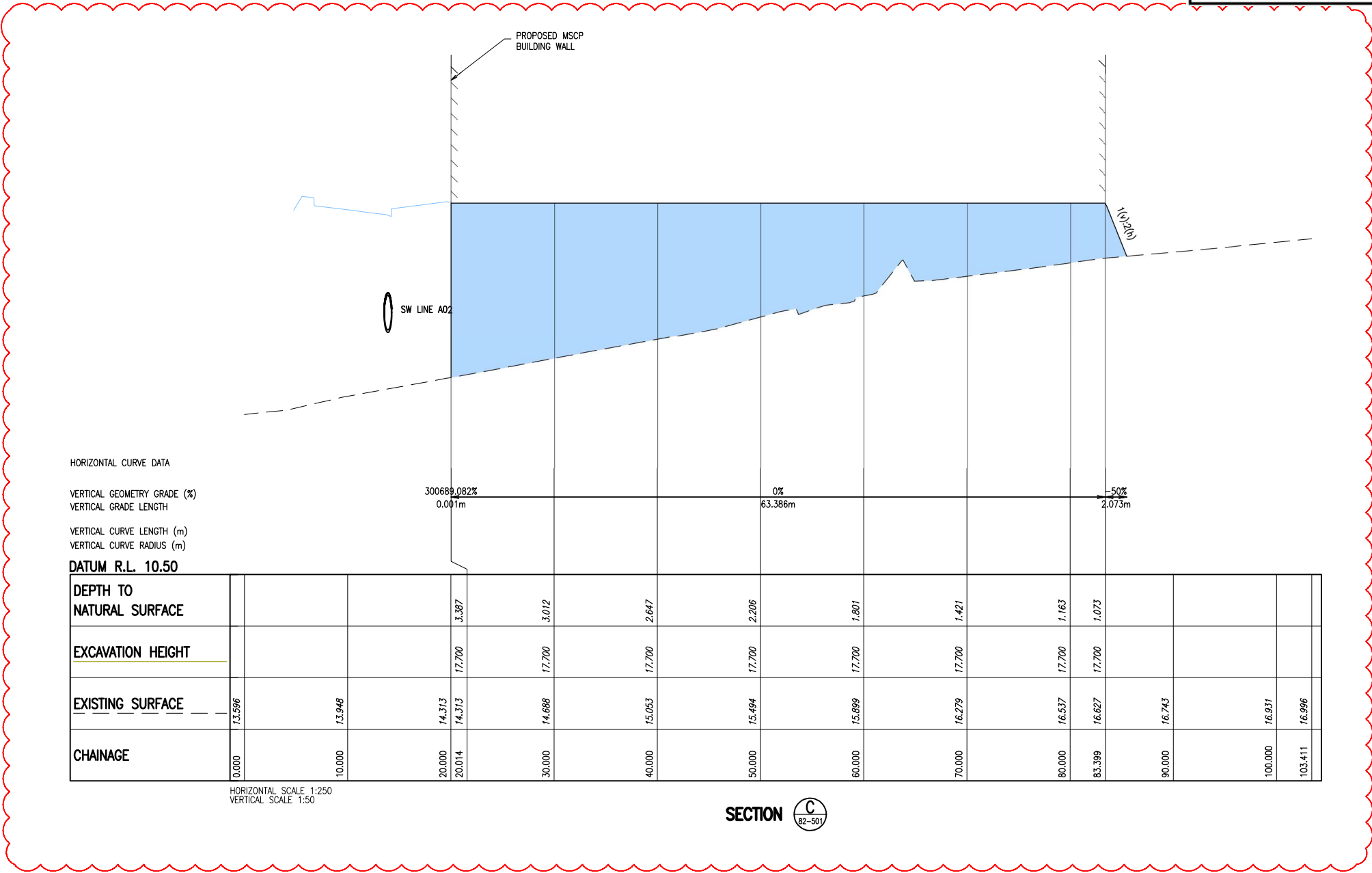


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Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020



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1	ISSUED FOR SCHEMATIC DESIGN	MC	CR	27.08.19
2	ISSUED FOR SCHEMATIC DESIGN	MC	CR	12.09.19

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Client

Project

MULTI-STORY CAR PARK – BULK
EARTHWORKS SECTION – SHEET 3
OF 5

Client

TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485

Scale at A1

AS SHOWN

Date

12.09.19

Drawn

M.CLAVEL

Designer

M.CLAVEL

Design Checker

—

Approved

C.ROPE

Job Number

19005

NOT FOR CONSTRUCTION

Drawing Number

RBG-CV-DWG-RIE-82-512

Revision

2

LEGEND

PROPOSED CUT MATERIAL

PROPOSED FILL MATERIAL

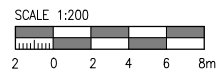
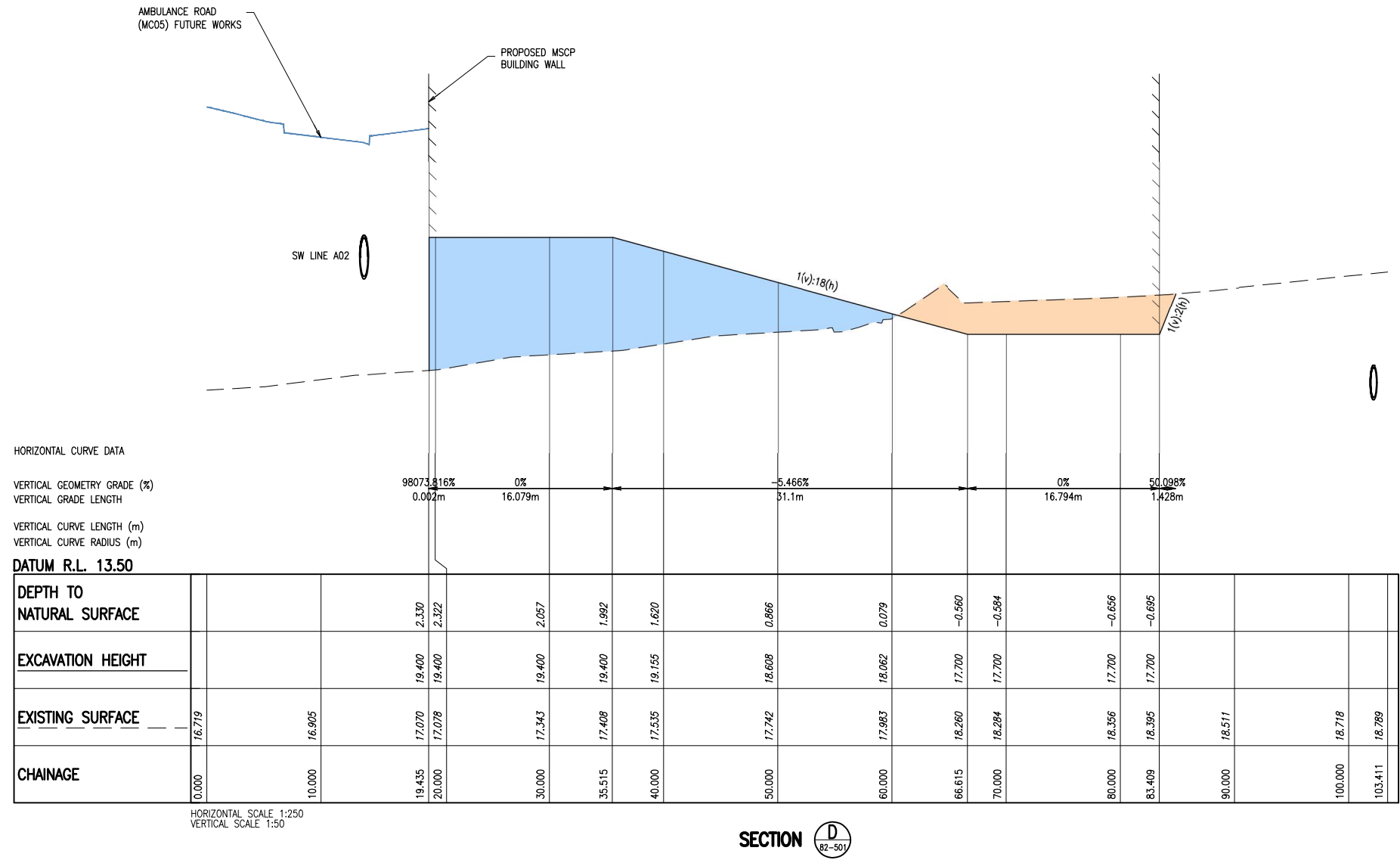


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Approved Application no: SSD-10353 Signed: *A. Coonan*

Granted on: 12 June 2020



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Title

**MULTI-STORY CAR PARK – BULK
EARTHWORKS SECTION – SHEET 4
OF 5**

Project

**TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485**

Scale at A1

AS SHOWN

Date

27.08.19

Drawn

M.CLAVEL

Designer

M.CLAVEL

Design Checker

—

Approved

C.ROPE

Job Number

19005

NOT FOR CONSTRUCTION

Drawing Number

RBG-CV-DWG-RIE-82-513

Revision

1

LEGEND

PROPOSED CUT MATERIAL

PROPOSED FILL MATERIAL

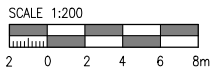
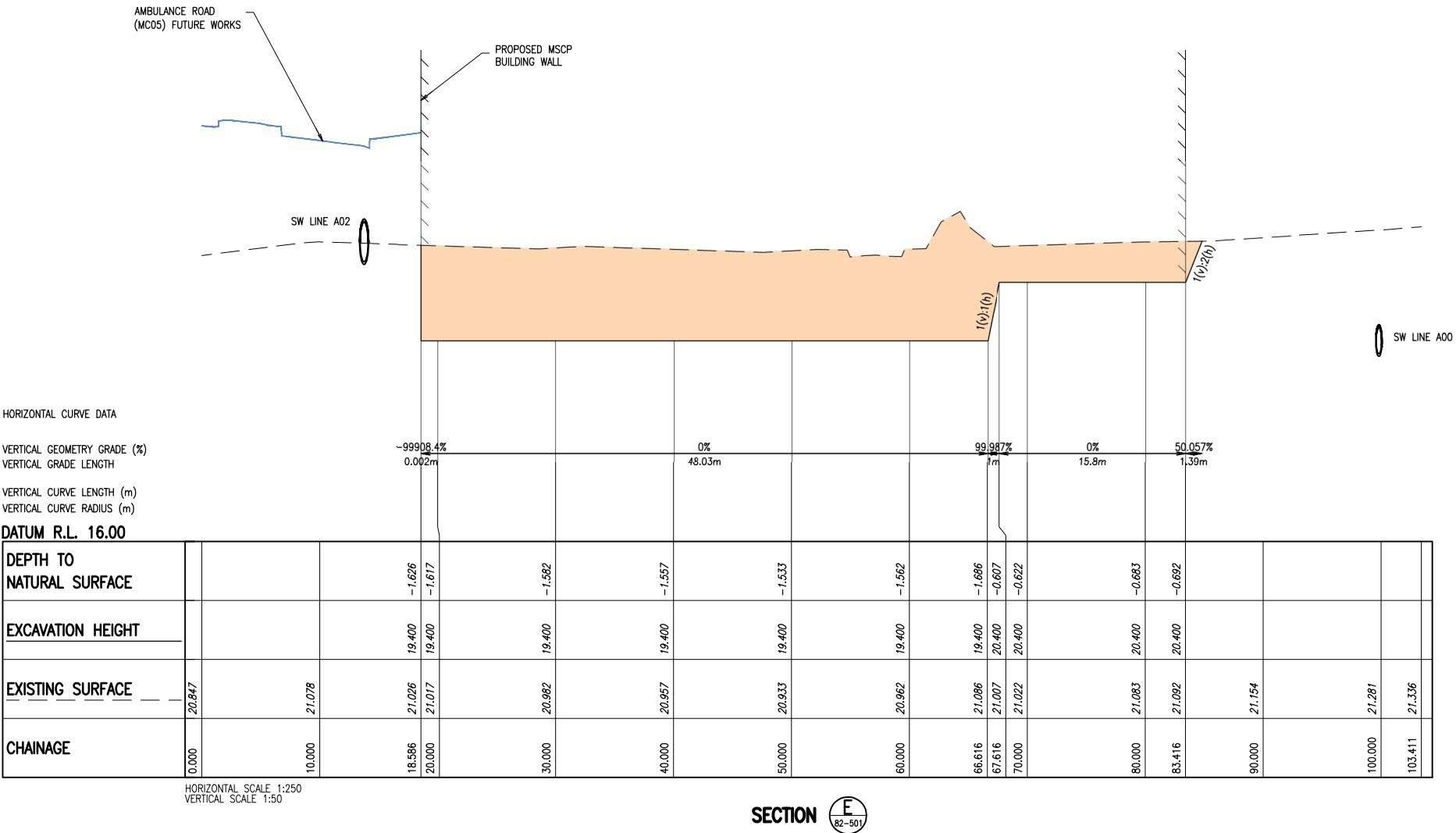


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Title

MULTI-STOREY CAR PARK – BULK
EARTHWORKS SECTION – SHEET 5
OF 5

Project

TWEED VALLEY HOSPITAL
TWEED SHIRE, GREENFIELD SITE,
NORTHERN RIVERS, NSW 2485

Scale at A1	Drawn	Design Checker
AS SHOWN	M.CLAVEL	—
Date	Designer	Approved
27.08.19	M.CLAVEL	C.ROPE
		Job Number
		19005
NOT FOR CONSTRUCTION		
Drawing Number	Revision	
RBG-CV-DWG-RIE-82-514	1	