

## CIVIL GENERAL NOTES

### 1. GENERAL

- 1.1 HARD COPY DRAWINGS SHALL FORM THE BASIS OF THE CONTRACT. ANY DIGITAL INFORMATION INCLUDING DRAWINGS, SURVEY AND DESIGN DIGITAL TERRAIN MODELS, ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE, AND ARE FOR INFORMATION ONLY, IF THERE ARE ANY DISCREPANCIES BETWEEN THE HARD COPY AND THE ELECTRONIC DATA, THE ORIGINAL, SIGNED, HARDCOPY DRAWINGS WILL TAKE PRECEDENCE.
- 1.2 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER 'CONSULTANTS' DRAWINGS (IF APPLICABLE) AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 1.3 CONSTRUCTION FROM THESE DRAWINGS AND ASSOCIATED 'CONSULTANTS' DRAWINGS SHALL NOT COMMENCE UNTIL APPROVED BY LOCAL AUTHORITIES AND BY THE ENGINEER.
- 1.4 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT NZ & AUSTRALIAN STANDARDS AND WITH THE BY LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- 1.5 THE CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE PERMISSION OF THE OWNER AND SUPERINTENDENT.
- 1.6 THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES AND DEBRIS, ETC TO THE EXTENT SPECIFIED BY THE DRAWING OR OTHERWISE DIRECTED BY SUPERINTENDENT.
- 1.7 ALL SITE REGRADING AREAS SHALL BE FINALLY GRADED TO THE SATISFACTION OF THE SUPERINTENDENT.
- 1.8 SURPLUS MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED FROM SITE.
- 1.9 ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING SURFACES.
- 1.10 ALL AFFECTED EXISTING SURFACE FEATURES TO BE REINSTATED POST CONSTRUCTION.
- 1.11 ANY QUANTITIES GIVEN ARE FOR GUIDANCE ONLY.
- 1.12 NOTES ON SPECIFIC DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE OVER GENERAL NOTES.
- 1.13 PROTECTIVE TREATMENT PRODUCTS AND SYSTEMS SHALL ALSO FULLY COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATIONS.

### 2. SCOPE OF WORKS

- 2.1 THE SCOPE OF WORK IS AS INDICATED ON THE DRAWINGS AND DESCRIBED IN THE CONTRACT DOCUMENTS.
3. SURVEY AND SET-OUT
  - 3.1 THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES BETWEEN LEVELS AND TERRAIN FEATURES AT THE TIME OF CONSTRUCTION AND THOSE SHOWN ON THE DRAWINGS OR ANY SURVEY INFORMATION PROVIDED.
  - 3.2 SETOUT DATA FOR THE SURVEY STATIONS ARE PROVIDED ON THE DRAWINGS.
  - 3.3 CONTROL LINE SETOUT DATA ARE PROVIDED ON THE DRAWINGS.
  - 3.4 ANNOTATED CROSS SECTIONS ARE PROVIDED.
  - 3.5 SURVEY BASE IS COMPRISED OF DETAIL SURVEY BY LANDPARTNERS AND SOURCED LIDAR DATA.

### 4. UTILITY SERVICES

- 4.1 THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND PROTECT AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE AND/OR ADJUST IF NECESSARY. INFORMATION GIVEN TO THE DRAWINGS IN RESPECT TO SERVICES IS FOR GUIDANCE ONLY. IT IS NOT GUARANTEED COMPLETE NOR CORRECT.

### 5. EARTHWORKS

- 5.1 THE INTERFACE BETWEEN EXISTING SURFACES AND DESIGN SURFACES AS SHOWN ON THE DRAWINGS AND THE ANNOTATED CROSS SECTIONS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL UNDERTAKE LOCALISED FILLING AND EXCAVATION WORKS AS REQUIRED TO PREVENT PONDING, CONCENTRATION OR CHANNELING OF STORMWATER RUNOFF AT, OR ALONG, THE INTERFACE BETWEEN THE AS CONSTRUCTED NEW SURFACE AND THE EXISTING SURFACES.
- 5.2 APPROVAL OF EMPLOYER AND LOCAL AUTHORITY MUST BE OBTAINED BY CONTRACTOR PRIOR TO COMMENCING OF VEGETATION CLEARING, REMOVAL OF RUBBISH AND DISCARDED EQUIPMENT.
- 5.3 EXCAVATE EXPOSED SOFT ALLUVIAL AND ORGANIC SOILS AND STRIP ORGANIC MATERIAL.
- 5.4 SOFT SPOTS ENCOUNTERED DURING PROOF FILLING SHALL BE REPLACED BY APPROVED COMPACTED FILL AS PER THE PROJECT SPECIFICATIONS. THE EXTENT OF THE AREA TO BE REPLACED NEEDS TO BE AGREED BY BOTH THE CONTRACTOR AND THE ENGINEER PRIOR TO COMMENCEMENT.

- 5.5 WHERE HARD ROCK IS EXPOSED IN THE EXCAVATED SUB-GRADE, THIS WILL BE INSPECTED AND A DECISION MADE ON THE LEVEL TO WHICH EXCAVATION IS TAKEN.
- 5.6 ALL FILL SHALL BE PLACED AND COMPACTED AS PER THE PROJECT SPECIFICATIONS OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- 5.7 BATTERS TO BE AS SHOWN, ALL FILL BATTERS TO BE GRASSED UNLESS NOTED OTHERWISE.

### SCHEDULE OF DRAWINGS

DRAWING No.	DESCRIPTION
<b>GENERAL</b>	
QTMP1903-CI-1000	COVER PAGE
QTMP1903-CI-1001	LOCALITY, GENERAL NOTES AND DRAWING SCHEDULE
QTMP1903-CI-1004	EXISTING FEATURES AND DEMOLITION PLAN - SHEET 1
QTMP1903-CI-1005	EXISTING FEATURES AND DEMOLITION PLAN - SHEET 2
<b>EARTHWORKS</b>	
QTMP1903-CI-1020	EROSION AND SEDIMENT CONTROL PLAN AND TYPICAL DETAILS - SHEET 1
QTMP1903-CI-1021	EROSION AND SEDIMENT CONTROL PLAN AND TYPICAL DETAILS - SHEET 2
QTMP1903-CI-1050	CUT FILL PLAN - SHEET 1
QTMP1903-CI-1051	CUT FILL PLAN - SHEET 2
<b>ROADWORKS</b>	
QTMP1903-CI-1110	GENERAL ARRANGEMENT AND SETOUT PLAN - SHEET 1
QTMP1903-CI-1111	GENERAL ARRANGEMENT AND SETOUT PLAN - SHEET 2
QTMP1903-CI-1120	LONGITUDINAL AND CROSS SECTIONS PLAN - SHEET 1
QTMP1903-CI-1122	CROSS SECTIONS PLAN - SHEET 2
<b>STRUCTURAL</b>	
QTMP1903-CI-1701	GENERAL ARRANGEMENT AND ELEVATION PLAN

**AMENDED IN RED**

By: Louise McGrath  
Date: 19 February 2020



**Amendment in red:**

The Cardno Drawings (Engineering Package) approved in this PDA Development Approval only approve works within the indicative PDA Boundary, which is taken to include land where shown in Lot 322 on SP172124 plus up to the centreline of the Cabbage Tree Creek Waterway within the Unallocated State Land (USL). The Cardno Drawings do not approve Significant Vegetation Clearing. For extent of Significant Vegetation Clearing approved, refer to Plan Attachment 10 - Impact Plan as amended in red of the approved plans package.

This notation referencing the extent of works approved in Lot 322 on SP172124 and within the portion of USL up to the centreline of the waterway are applicable to all drawings in this package.

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: DEV2019/1070  
Date: 19 February 2020



Rev.	Date	Description	Des.	Verif.	Appd.
D	6/11/2019	ISSUE FOR TENDER AMENDMENTS	JM	LM	LM
C	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
B	21/10/2019	ISSUE FOR APPROVAL	JM	LM	LM
A	17/10/2019	ISSUE FOR APPROVAL	JM	LM	LM

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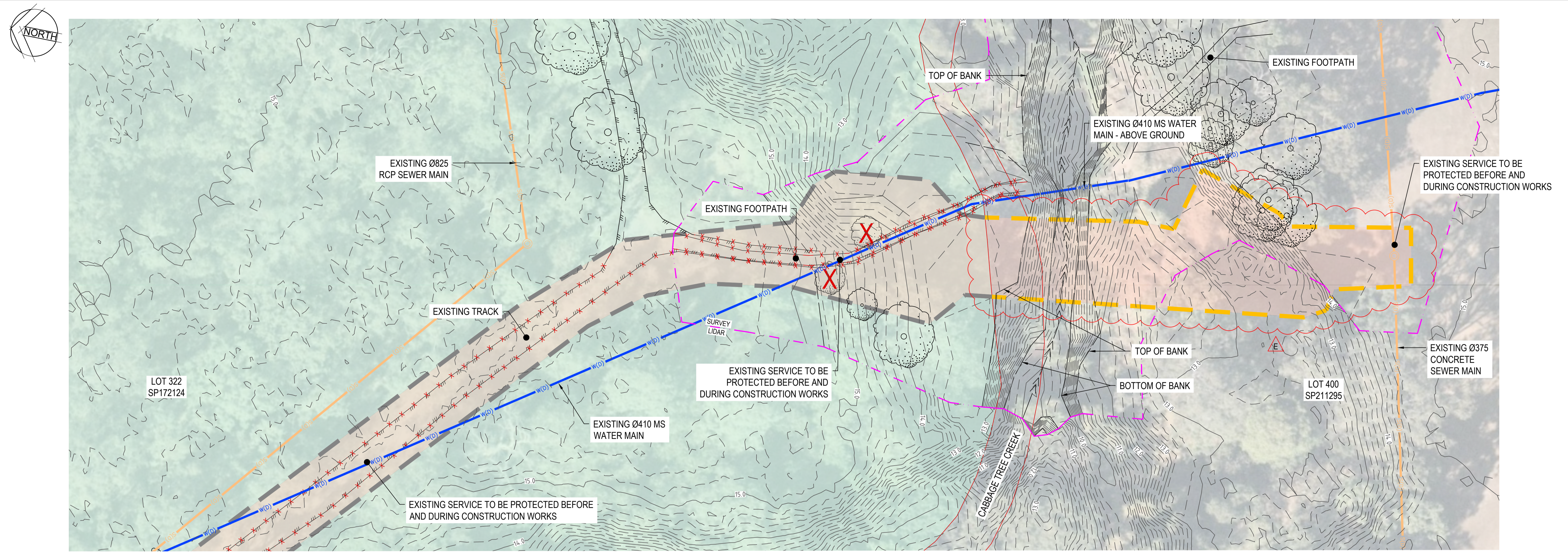
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Checked	DM / RS	Date	16/10/2019
Designed	JM	Date	15/10/2019
Verified	LM	Date	15/10/2019
Approved	RPEQ.	Date	17/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
Title	PEDESTRIAN BRIDGE DETAIL DESIGN
Project	GENERAL LOCALITY, GENERAL NOTES AND DRAWING SCHEDULE

Status	<b>FOR TENDER ONLY</b>				
NOT TO BE USED FOR CONSTRUCTION PURPOSES					
Datum	AHD	GRID	MGA-56	Scale	N.T.S.
Size				Size	A1
Drawing Number	QTMP1903-CI-1001			Revision	D



DATE PLOTTED: 16 December 2019 4:31 PM BY: DAVID MCKENZIE



JOINS DWG QTMP1903-CI-1005

**EXISTING FEATURES AND DEMOLITION PLAN**  
SCALE 1:250

- LEGEND:**
- STATE PLANNING PRIORITY DEVELOPMENT AREA
  - EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
  - EXISTING CONTOUR - MINOR (0.2m INTERVAL)
  - PDA AREA BOUNDARY
  - PROJECT AREA BOUNDARY - OUTSIDE OF PDA
  - EXISTING TREE TO BE RETAINED
  - EXISTING EDGE OF ROAD
  - EXISTING CREEK CENTERLINE
  - EXISTING TOP OF BANK
  - EXISTING BOTTOM OF BANK
  - PROPERTY BOUNDARY
  - EXISTING SEWER MANHOLE
  - EXISTING SEWER MAIN
  - EXISTING WATER MAIN
  - DEMOLITION / REMOVED
  - SURVEY BORDER

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: DEV2019/1070  
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**NOTE:**  
THE SERVICES INFORMATION SHOWN ON THIS DRAWING ARE INDICATIVE ONLY AND HAVE BEEN DERIVED FROM THE FOLLOWING SOURCES:

- SURFACE LOCATIONS OF SERVICES LOCATED BY THE SURVEYOR
- PLAN DATA PROVIDED BY SERVICE AUTHORITIES

THE CONTRACTOR OR CONSTRUCTION AUTHORITY IS TO CONFIRM THE ACTUAL LOCATIONS OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS. THE CONTRACTOR IS TO MAKE THEM SELF AWARE OF ALL SERVICES. ANY DAMAGES WILL BE REPAIRED AT THE CONTRACTORS EXPENSE.

**SERVICE LOCATIONS**

It is the responsibility of the Foreman to contact the relevant service authorities to ascertain the exact location of services prior to construction.



XREFS: XR-EXIST-SERVICES: XR-AERIAL: XR-DCCB: XR-EXIST: XR-EXIST-COAT CAD File: Y:\1903\QTMP1903 - Carlseldine Village Ped Bridge\03\_CAD\01\_CIV\QTMP1903-CI-1004-1005.dwg

Rev.	Date	Description	Des.	Verif.	Appd.
E	16/12/2019	CLIENT UPDATES - ISSUE FOR TENDER	JM	LM	LM
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Verified	LM	Date	15/10/2019
Approved	RPEQ.	Date	17/10/2019

Client **ECONOMIC DEVELOPMENT QUEENSLAND**

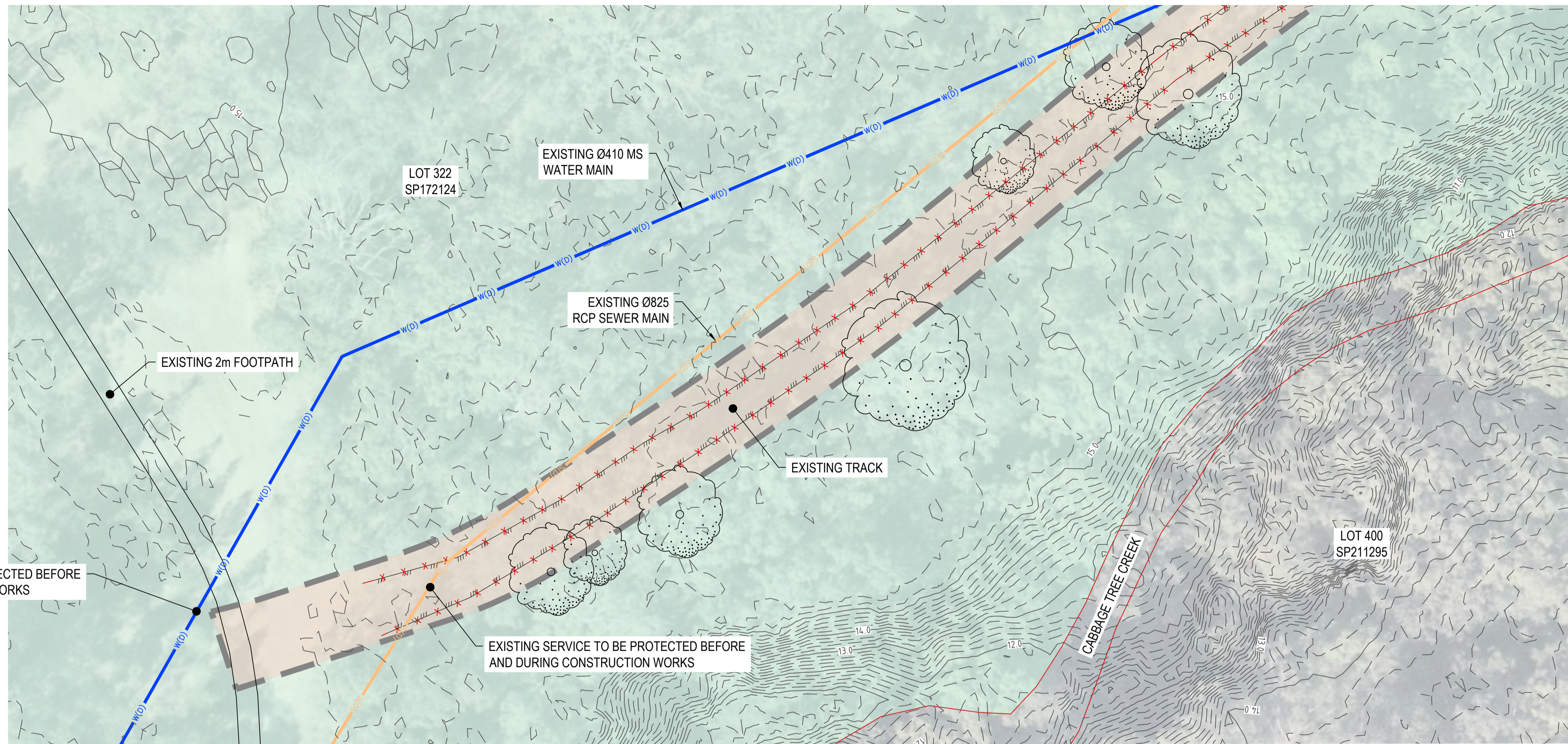
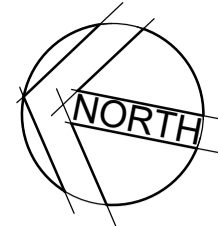
Project **CARSELDINE URBAN VILLAGE**

**PEDESTRIAN BRIDGE**  
**DETAIL DESIGN**

Title **GENERAL**  
**EXISTING FEATURES AND DEMOLITION PLAN**  
**SHEET 1**

Status	<b>FOR TENDER ONLY</b>		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Datum	AHD	Scale	1:250m
Grid	MGA-56	Size	A1
Drawing Number	QTMP1903-CI-1004		
Revision	E		





**EXISTING FEATURES AND DEMOLITION PLAN**  
SCALE 1:250

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- EXISTING BOTTOM OF BANK
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- EXISTING SEWER MANHOLE
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- DEMOLITION / REMOVED
- SURVEY BORDER

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Date: 19 February 2020



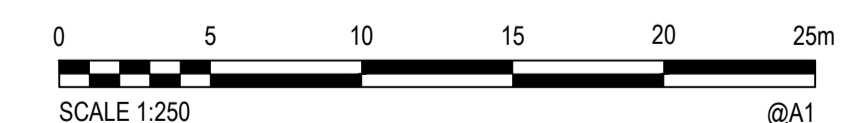
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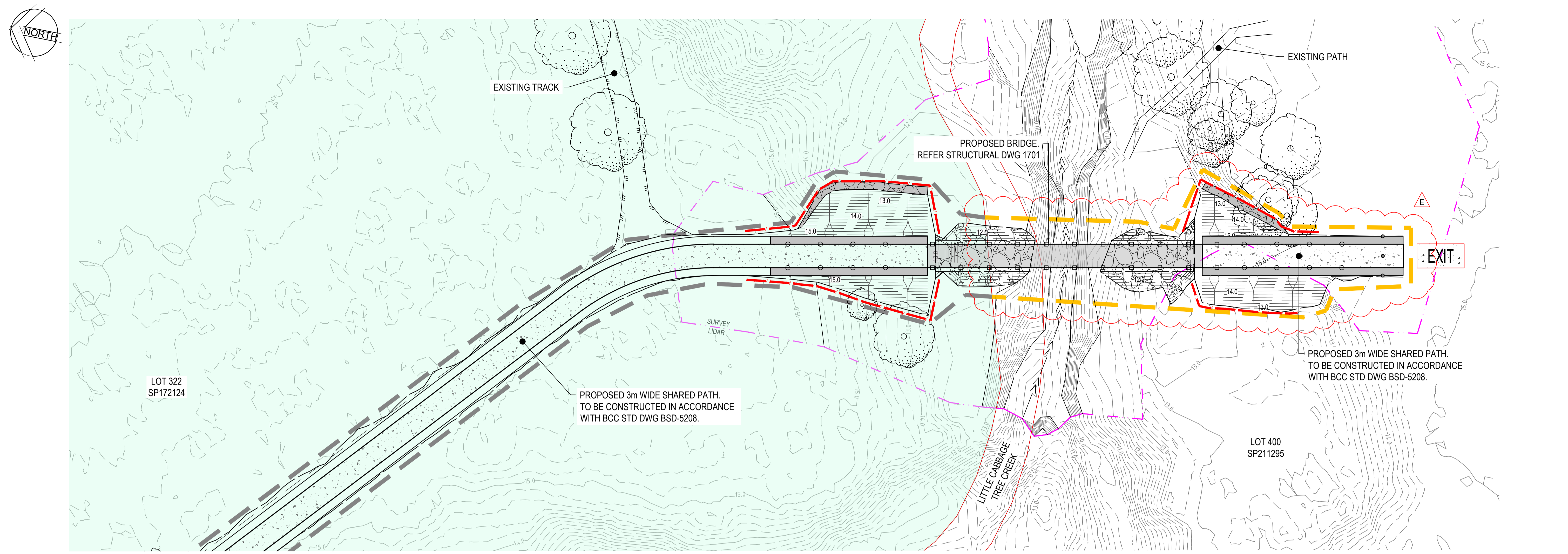
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Approved	RPEQ.	Date	
	LM	Date	21/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	GENERAL
	EXISTING FEATURES AND DEMOLITION PLAN
	SHEET 2

Status	<b>FOR TENDER ONLY</b>				
	NOT TO BE USED FOR CONSTRUCTION PURPOSES				
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Revision	D				



DATE PLOTTED: 16 December 2019 4:50 PM BY: DAVID MCKENZIE

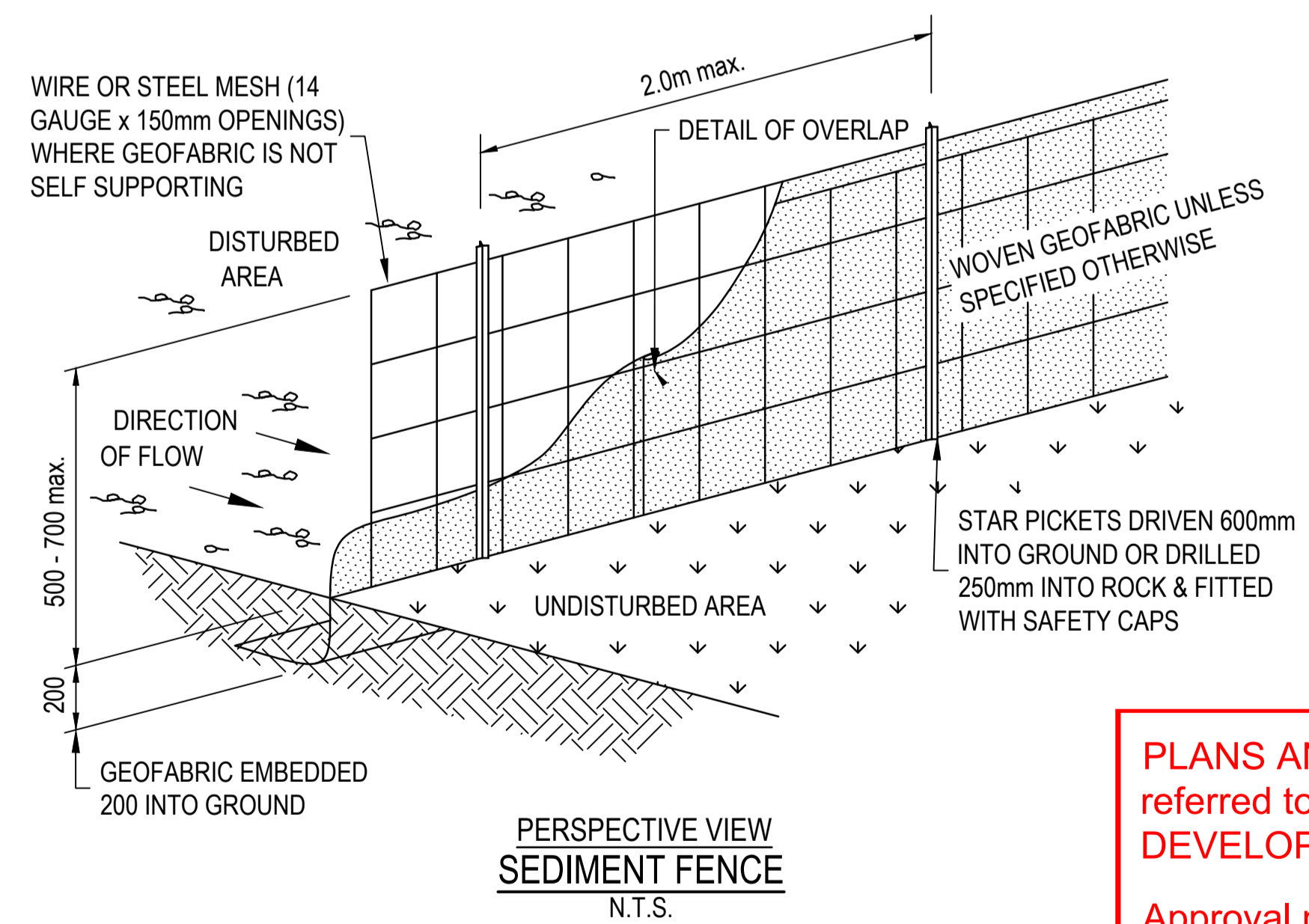


JOINS DWG QTMP1903-CI-1021

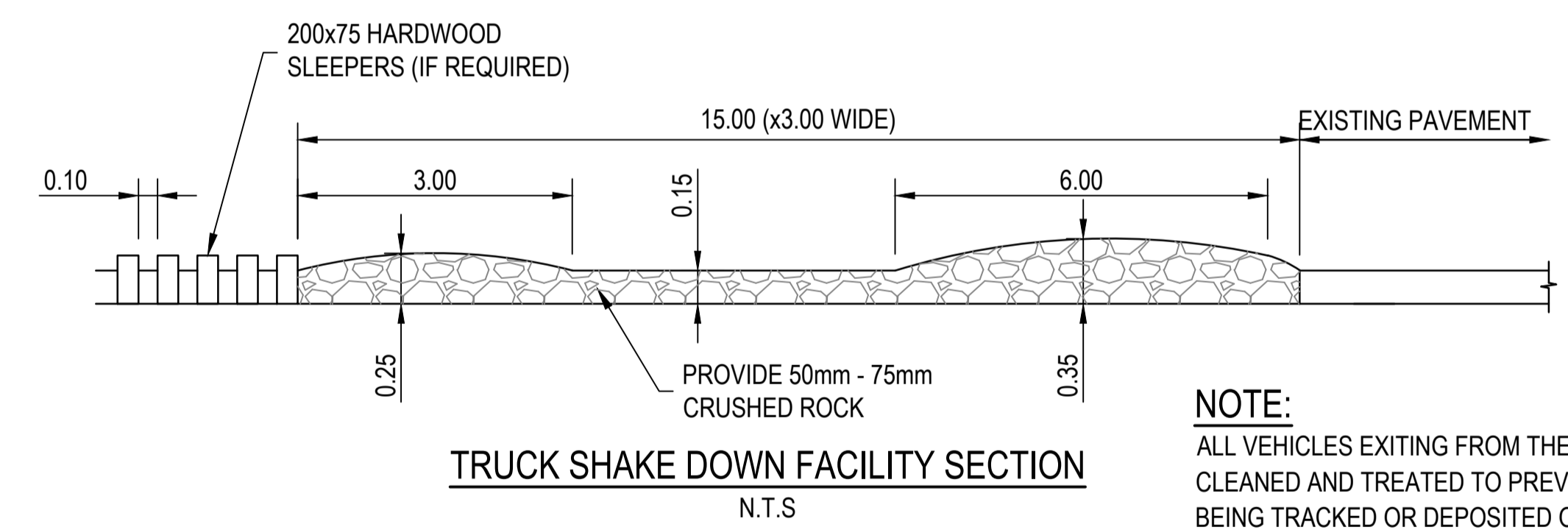
**EROSION AND SEDIMENT CONTROL PLAN**  
SCALE 1:250

**LEGEND:**

- STATE PLANNING PRIORITY DEVELOPMENT AREA
- DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.2m INTERVAL)
- EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
- EXISTING CONTOUR - MINOR (0.2m INTERVAL)
- PDA AREA BOUNDARY
- PROJECT AREA BOUNDARY - OUTSIDE OF PDA
- SEDIMENT FENCE (REFER TO IECA DWG SF-01)
- SHAKE DOWN DEVICE (REFER TO IECA DWG EXIT-01)
- CONCRETE APPROACH SHOULDER
- ROCK DUMP FOR EROSION CONTROL
- ROCK FLUME CUTOFF TRENCH REFER DETAIL ON DWG 1121
- PROPOSED EDGE OF SHOULDER
- PROPOSED BATTER INTERFACE
- PROPOSED BATTER Ticks
- PROPOSED BRIDGE BALUSTRADE
- PROPOSED SAFETY FENCE
- EXISTING TREE TO BE RETAINED
- EXISTING CREEK CENTERLINE
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- PROPERTY BOUNDARY
- SURVEY BORDER



\*SEDIMENT FENCE 'RETURNS' PROVIDED AT:  
- MAX. 20.0m SPACING FOR FENCING INSTALLED ALONG THE CONTOUR.  
- MAX. 5.0m TO 10.0m SPACING FOR FENCING INSTALLED DOWN THE SLOPE (DEPENDING ON SLOPE).



**NOTE:**  
ALL VEHICLES EXITING FROM THE SITE ARE TO BE CLEANED AND TREATED TO PREVENT MATERIAL BEING TRACKED OR DEPOSITED ONTO PUBLIC ROADS. IF MATERIAL IS ACCIDENTALLY DEPOSITED ONTO PUBLIC ROADS IT SHALL BE REMOVED WITHOUT DELAY. IF THE SHAKEDOWN DEVICE PROVES TO BE INEFFECTIVE THE CONTRACTOR IS TO USE OTHER MEANS TO PREVENT MATERIAL BEING DEPOSITED ONTO PUBLIC ROADS.

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: DEV2019/1070  
Date: 19 February 2020

THE DETAILS SHOWN ON QTMP1903-CI-1020 ARE INDICATIVE ONLY. THE CONTRACTOR IS TO PROVIDE AND COMPLY WITH AN EROSION AND SEDIMENT PLAN PREPARED IN ACCORDANCE WITH INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINES AND CERTIFIED BY CPSC OR QUALIFIED RPEQ.



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Rev.	Date	Description	Des.	Verif.	Appd.
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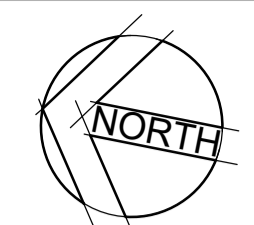
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Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARLSDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	EARTHWORKS
	EROSION AND SEDIMENT CONTROL PLAN
	AND TYPICAL DETAILS - SHEET 1

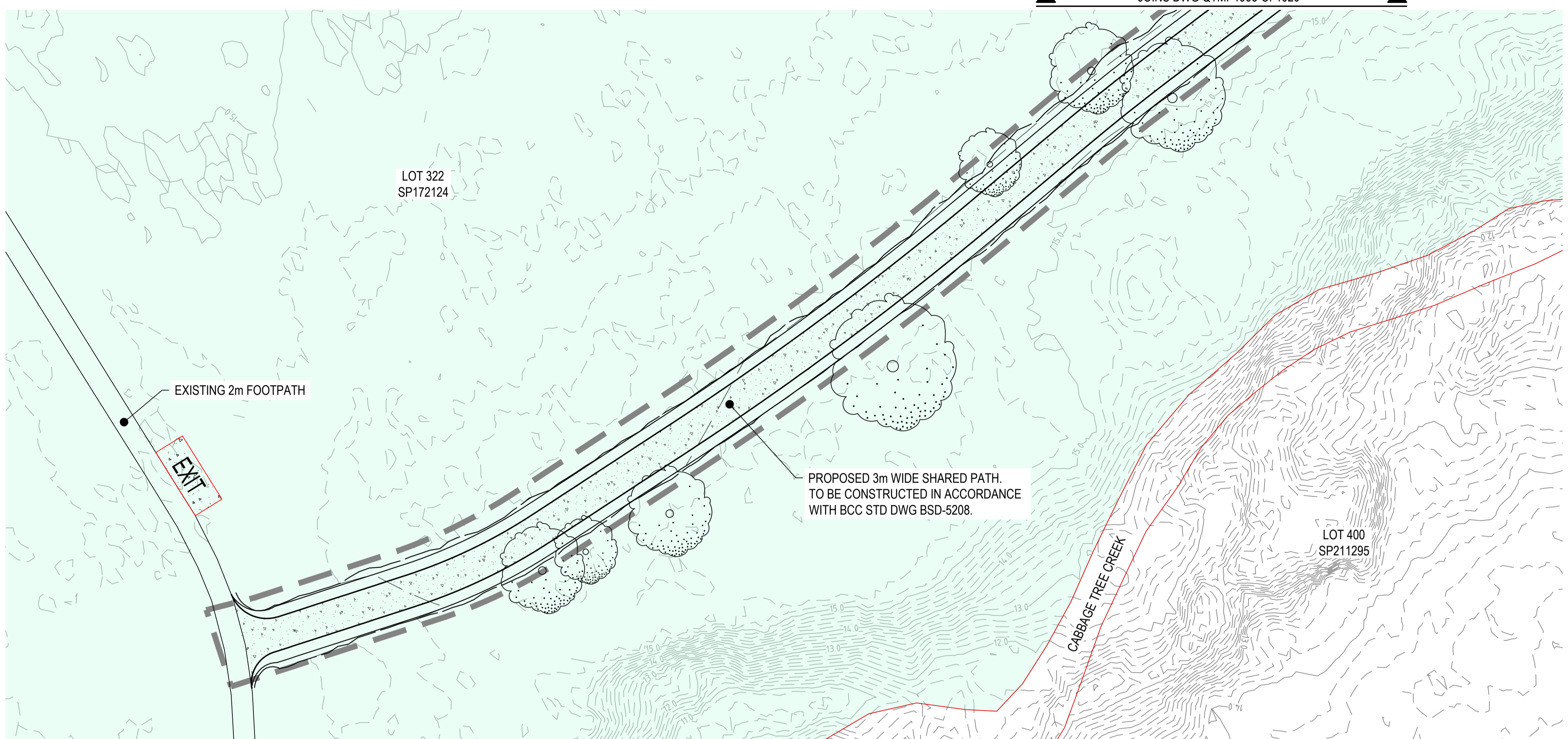
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NOT TO BE USED FOR CONSTRUCTION PURPOSES					
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Revision					E



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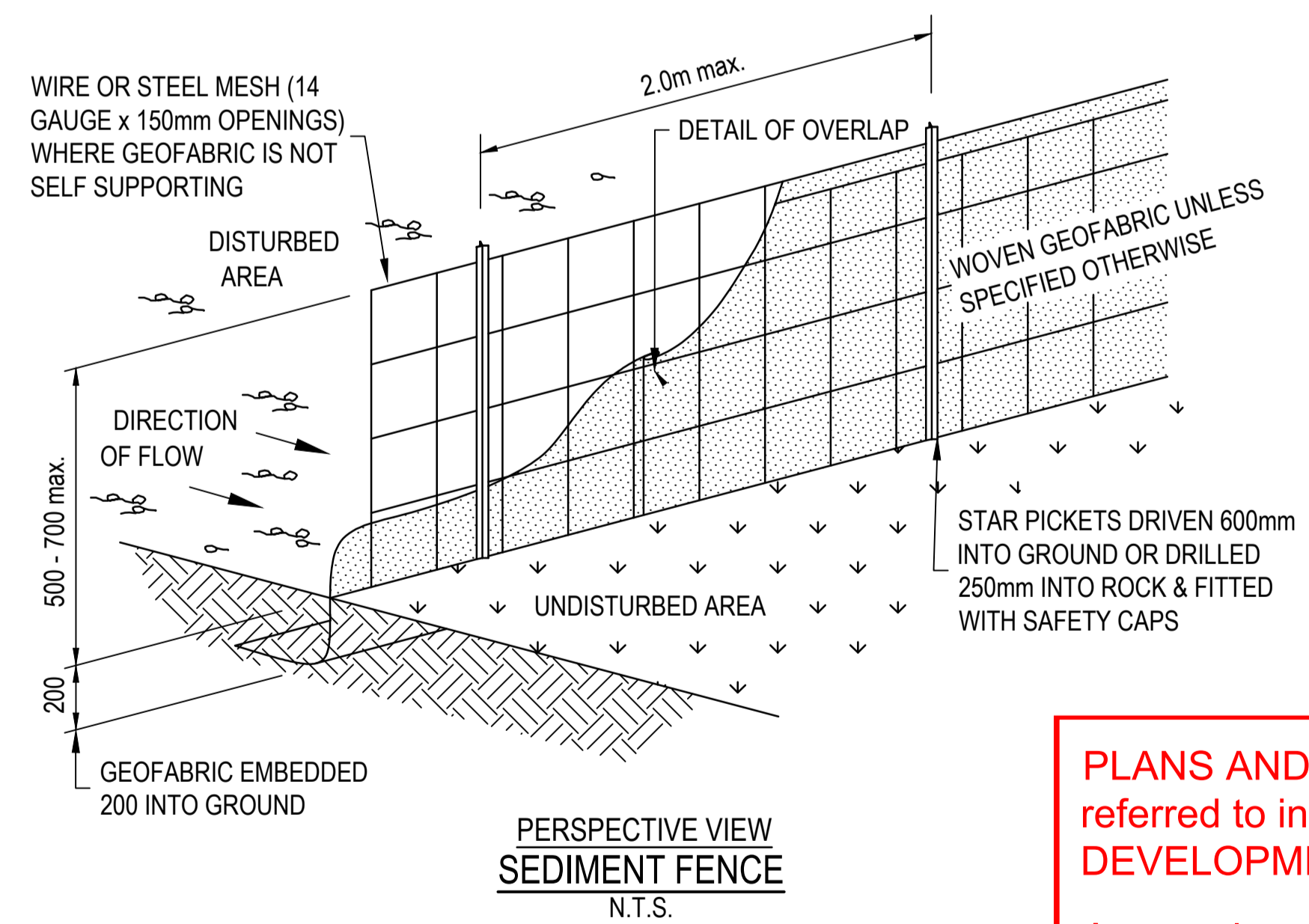


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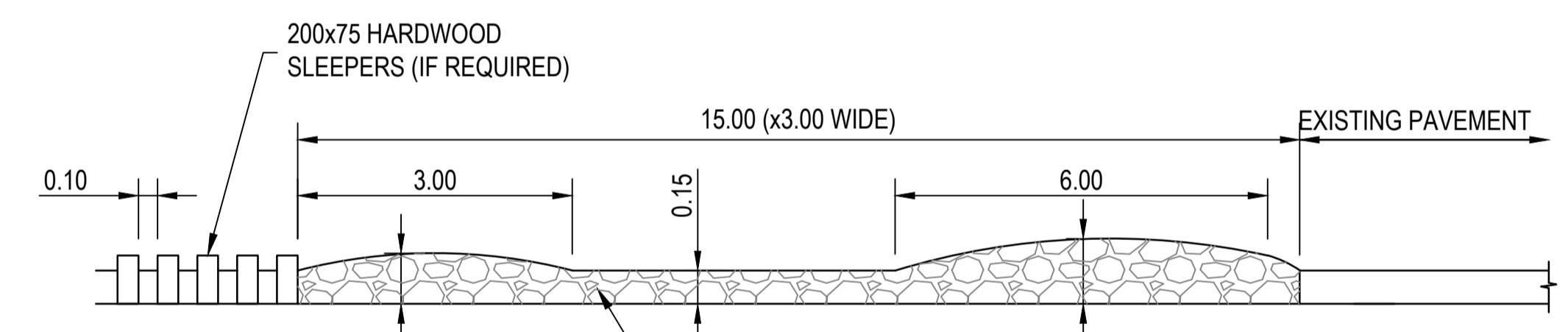
**EROSION AND SEDIMENT CONTROL PLAN**  
SCALE 1:250

- LEGEND:**
- STATE PLANNING PRIORITY DEVELOPMENT AREA
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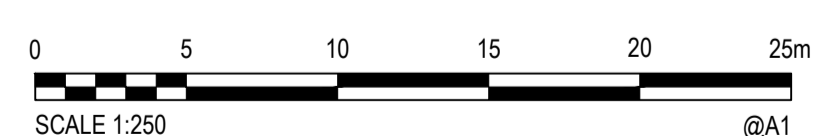
**PERSPECTIVE VIEW  
SEDIMENT FENCE**  
N.T.S.

\*SEDIMENT FENCE 'RETURNS' PROVIDED AT:  
 - MAX. 20.0m SPACING FOR FENCING INSTALLED ALONG THE CONTOUR.  
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**TRUCK SHAKE DOWN FACILITY SECTION**  
N.T.S.

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 Web: www.cardno.com.au

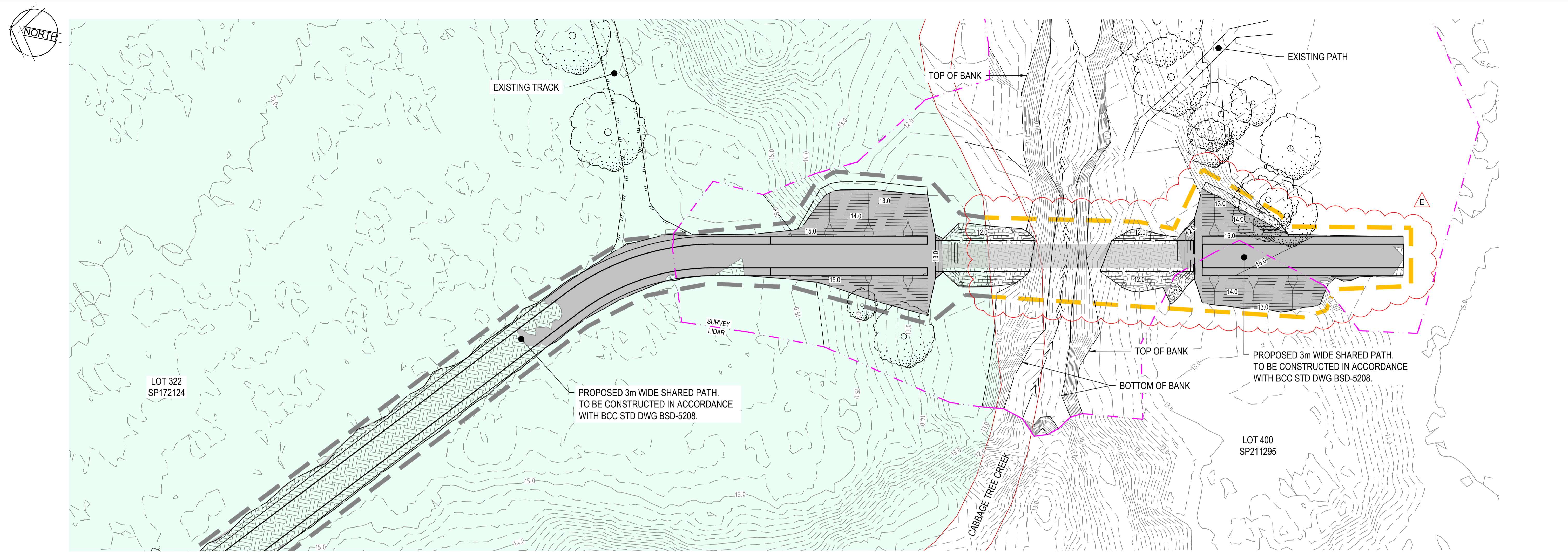
Drawn	KA	Date	21/10/2019
Checked	DM / RS	Date	21/10/2019
Designed	JM	Date	18/10/2019
Verified	LM	Date	21/10/2019
Approved	RPEQ.	Date	
LM		Date	21/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	EARTHWORKS
	EROSION AND SEDIMENT CONTROL PLAN
	AND TYPICAL DETAILS - SHEET 2

Status	FOR TENDER ONLY				
NOT TO BE USED FOR CONSTRUCTION PURPOSES					
Datum	AHD	GRID	MGA-56	Scale	AS SHOWN
Drawing Number	QTMP1903-CI-1021			Size	A1
Revision	D				



DATE PLOTTED: 16 December 2019 4:30 PM BY: DAVID MCKENZIE



JOINS DWG QTMP1903-CI-1051

**CUT FILL PLAN**  
SCALE 1:250

**LEGEND:**

	STATE PLANNING PRIORITY DEVELOPMENT AREA
	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
	DESIGN CONTOUR - MINOR (0.2m INTERVAL)
	EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
	EXISTING CONTOUR - MINOR (0.2m INTERVAL)
	PDA AREA BOUNDARY
	PROJECT AREA BOUNDARY - OUTSIDE OF PDA
	EARTHWORKS - CUT
	EARTHWORKS - FILL
	EXISTING TREE TO BE RETAINED
	EXISTING CREEK CENTERLINE
	EXISTING TOP OF BANK
	EXISTING BOTTOM OF BANK
	PROPERTY BOUNDARY

**BULK EARTHWORKS VOLUMES- TOTAL**  
DATE: 16th OCTOBER 2019

CUT VOLUMES ARE NEGATIVE  
FILL VOLUMES ARE POSITIVE

TOTAL CUT	-149.2m <sup>3</sup>
TOTAL FILL	566.8m <sup>3</sup>
TOTAL BALANCE	-417.6m <sup>3</sup>
IE EXCESS OF CUT OVER FILL	417.6m <sup>3</sup>

NOTE:  
1. NO ALLOWANCES HAVE BEEN MADE FOR STRIPPING OR RE-SPREAD OF TOPSOIL.  
2. INDICATED EARTHWORKS VOLUMES ARE NETT AND EXCLUDE BULKING / COMPACTION FACTORS.  
3. EXCESS CUT MATERIAL TO BE REMOVED FROM SITE EXCLUDING AN ALLOWANCE FOR TOPSOIL.

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: DEV2019/1070  
Date: 19 February 2020



XREFS: XR-DGN: XR-CUT-FILL; XR-DDB: XR-DGN-COMT; XR-EXIST-COMT-TRIM; XR-EXIST-CAD: File: Y:\1903\QTMP1903 - Carlsdine Village Ped Bridge\03\_CAD\01\_CIV\QTMP1903-CI-1050-1051.dwg

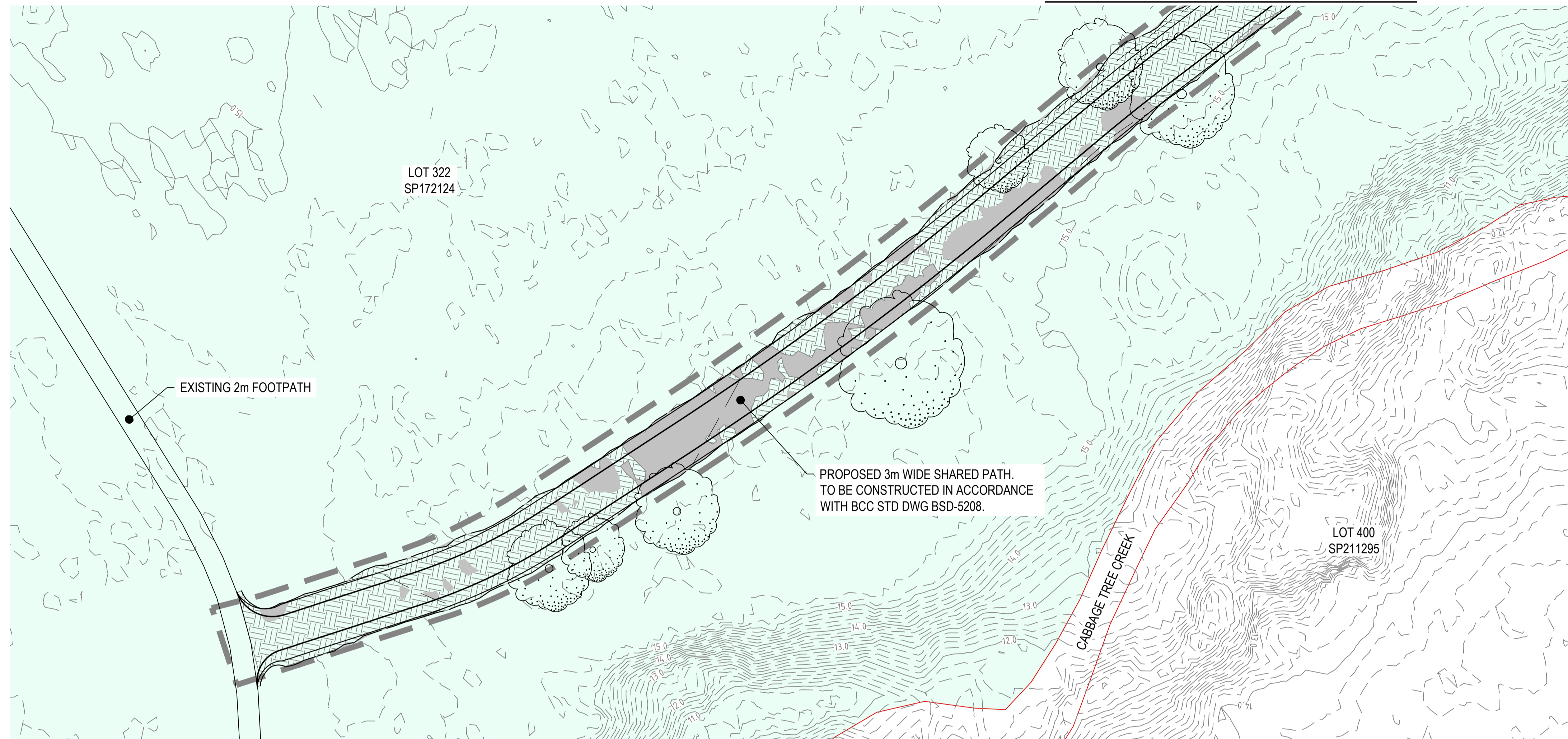
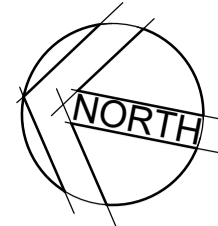
Rev.	Date	Description	Des.	Verif.	Appd.
E	16/12/2019	CLIENT UPDATES - ISSUE FOR TENDER	JM	LM	LM
D	6/11/2019	ISSUE FOR TENDER AMENDMENTS	JM	LM	LM
C	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
B	21/10/2019	ISSUE FOR APPROVAL	JM	LM	LM
A	17/10/2019	ISSUE FOR APPROVAL	JM	LM	LM

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Web: www.cardno.com.au

Drawn KA	Date 15/10/2019	Client ECONOMIC DEVELOPMENT QUEENSLAND
Checked DM / RS	Date 16/10/2019	Project CARLSDINE URBAN VILLAGE
Designed JM	Date 15/10/2019	Status <b>FOR TENDER ONLY</b>
Verified LM	Date 15/10/2019	Datum AHD
Approved LM	Date 17/10/2019	Grid MGA-56
		Scale 1:250m
		Size A1
		Drawing Number QTMP1903-CI-1050
		Revision E





**CUT FILL PLAN**  
SCALE 1:250

**LEGEND:**

- STATE PLANNING PRIORITY DEVELOPMENT AREA
- 15.0 DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.2m INTERVAL)
- 12.0 EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
- EXISTING CONTOUR - MINOR (0.2m INTERVAL)
- PDA AREA BOUNDARY
- PROJECT AREA BOUNDARY - OUTSIDE OF PDA
- EARTHWORKS - CUT
- EARTHWORKS - FILL
- EXISTING TREE TO BE RETAINED
- EXISTING CREEK CENTERLINE
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- PROPERTY BOUNDARY

**BULK EARTHWORKS VOLUMES- TOTAL**

DATE: 16th OCTOBER 2019

CUT VOLUMES ARE NEGATIVE  
FILL VOLUMES ARE POSITIVE

TOTAL CUT	-149.2m <sup>3</sup>
TOTAL FILL	566.8m <sup>3</sup>
TOTAL BALANCE	-417.6m <sup>3</sup>
IE EXCESS OF CUT OVER FILL	417.6m <sup>3</sup>

**NOTE:**

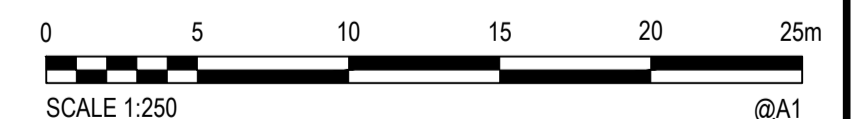
1. NO ALLOWANCES HAVE BEEN MADE FOR STRIPPING OR RE-SPREAD OF TOPSOIL.
2. INDICATED EARTHWORKS VOLUMES ARE NETT AND EXCLUDE BULKING / COMPACTION FACTORS.
3. EXCESS CUT MATERIAL TO BE REMOVED FROM SITE EXCLUDING AN ALLOWANCE FOR TOPSOIL.

**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**



Queensland  
Government

Approval no: DEV2019/1070  
Date: 19 February 2020



Rev.	Date	Description	Des.	Verif.	Appd.
D	16/12/2019	CLIENT UPDATES - ISSUE FOR TENDER	JM	LM	LM
C	6/11/2019	ISSUE FOR TENDER AMENDMENTS	JM	LM	LM
B	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
A	21/10/2019	ISSUE FOR APPROVAL	JM	LM	LM

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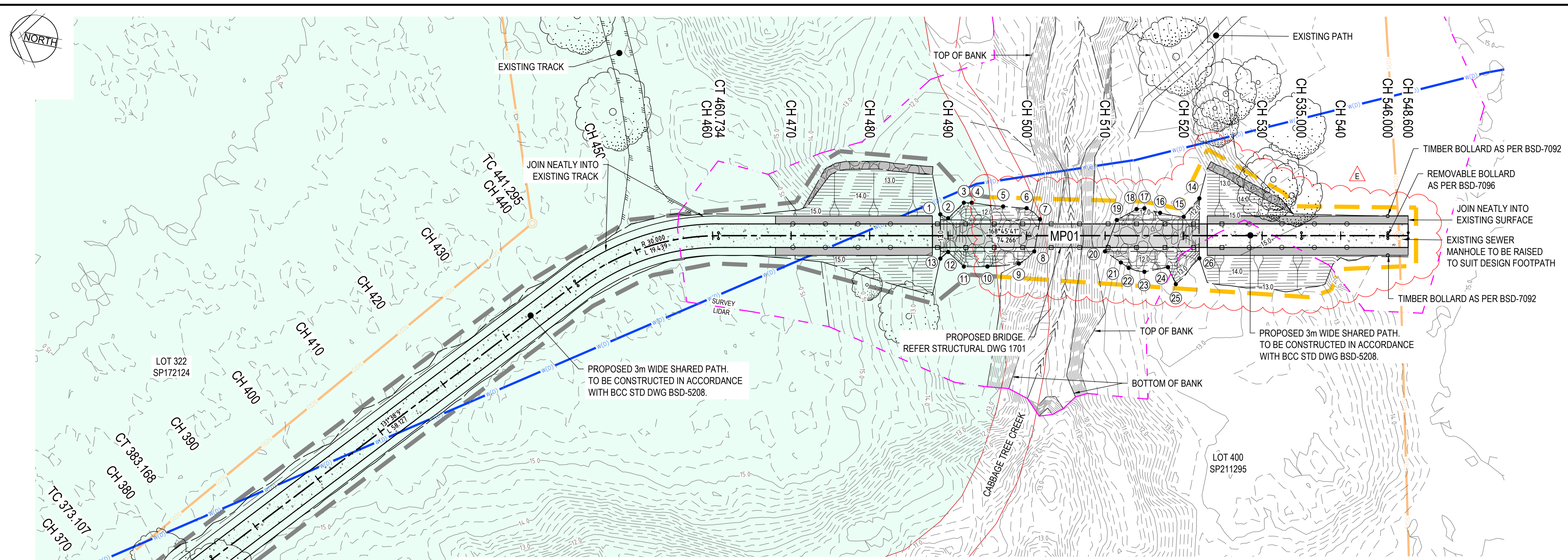
Drawn	KA	Date	21/10/2019
Checked	DM / RS	Date	21/10/2019
Designed	JM	Date	18/10/2019
Verified	LM	Date	21/10/2019
Approved	RPEQ.	Date	
	LM	Date	21/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	EARTHWORKS
	CUT FILL PLAN
	SHEET 2

Status	<b>FOR TENDER ONLY</b>				
NOT TO BE USED FOR CONSTRUCTION PURPOSES					
Datum	AHD	GRID	MGA-56	Scale	1:250m
Size				A1	
Drawing Number	QTMP1903-CI-1051			Revision	D



DATE PLOTTED: 16 December 2019 4:29 PM BY: DAVID MCKENZIE



**GENERAL ARRANGEMENT AND SETOUT PLAN**  
SCALE 1:250

**PLANS AND DOCUMENTS**  
referred to in the PDA  
**DEVELOPMENT APPROVAL**

Approval no: DEV2019/1070  
Date: 19 February 2020

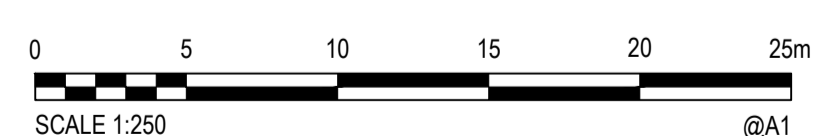
**LEGEND:**

- STATE PLANNING PRIORITY DEVELOPMENT AREA
- 15.0 DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- 12.0 DESIGN CONTOUR - MINOR (0.2m INTERVAL)
- 10.0 EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
- 7.5 EXISTING CONTOUR - MINOR (0.2m INTERVAL)
- PDA AREA BOUNDARY
- PROJECT AREA BOUNDARY - OUTSIDE OF PDA
- PROPOSED ALIGNMENT
- PROPOSED CONCRETE PAVEMENT
- CONCRETE APPROACH SHOULDER
- PROPOSED EDGE OF SHOULDER
- PROPOSED BATTER INTERFACE
- PROPOSED BATTER TADPOLES
- PROPOSED BRIDGE BALUSTRADE
- PROPOSED SAFETY FENCE
- ROCK DUMP FOR EROSION CONTROL
- ROCK FLUME CUTOFF TRENCH REFER DETAIL ON DWG 1121
- SETOUT POINT
- EXISTING TREE TO BE RETAINED
- EXISTING CREEK CENTERLINE
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- PROPERTY BOUNDARY
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- SURVEY BORDER

MP01 HORIZONTAL SETOUT							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	281.902	502457.407	6974534.824	150°48'05.87"			
TC	298.014	502465.266	6974520.759	150°48'05.87"			
IP 2	304.661	502468.528	6974514.922		R = -50.000	13.294	15°14'02.88"
CT	311.308	502473.209	6974510.148	135°34'02.99"			
TC	326.264	502483.679	6974499.468	135°34'02.99"			
IP 3	344.103	502496.182	6974486.715		R = -300.000	35.678	6°48'50.11"
CT	361.941	502510.110	6974475.535	128°45'12.88"			
TC	373.107	502518.818	6974468.546	128°45'12.88"			
IP 4	378.138	502522.742	6974465.396		R = 200.000	10.061	2°52'56.23"
CT	383.168	502526.502	6974462.053	131°38'09.11"			
IP 5	441.295	502569.946	6974423.434		R = 30.000	19.439	37°07'32.31"
IP 6	451.015	502577.475	6974416.740				
IP 7	460.734	502579.438	6974406.859				
IP 8	548.600	502596.563	6974320.678	168°45'41.42"			

SETOUT POINTS				
PT No.	EASTING	NORTHING	RL.	DESCRIPTION
1	502587.615	6974379.666	12.661	ROCK DUMP
2	502587.321	6974378.588	12.632	ROCK DUMP
3	502589.652	6974377.012	12.621	ROCK DUMP
4	502589.846	6974376.031	12.600	ROCK DUMP
5	502590.159	6974372.015	12.362	ROCK DUMP
6	502590.522	6974369.028	12.249	ROCK DUMP
7	502589.482	6974367.087	11.450	ROCK DUMP
8	502585.315	6974367.006	11.502	ROCK DUMP
9	502583.419	6974368.636	12.273	ROCK DUMP
10	502582.271	6974372.487	12.460	ROCK DUMP
11	502581.672	6974375.426	12.489	ROCK DUMP
12	502583.111	6974377.751	12.556	ROCK DUMP
13	502582.086	6974378.567	12.563	ROCK DUMP

SETOUT POINTS				
PT No.	EASTING	NORTHING	RL.	DESCRIPTION
14	502596.033	6974347.693	11.478	ROCK DUMP
15	502593.344	6974349.198	11.650	ROCK DUMP
16	502593.257	6974352.239	11.954	ROCK DUMP
17	502593.434	6974354.314	12.243	ROCK DUMP
18	502593.138	6974355.274	12.192	ROCK DUMP
19	502591.290	6974357.477	11.500	ROCK DUMP
20	502587.073	6974358.176	11.500	ROCK DUMP
21	502586.086	6974355.912	12.204	ROCK DUMP
22	502585.600	6974354.796	12.552	ROCK DUMP
23	502585.506	6974352.738	12.798	ROCK DUMP
24	502586.659	6974349.909	12.509	ROCK DUMP
25	502584.741	6974348.508	13.586	ROCK DUMP
26	502588.554	6974346.207	13.291	ROCK DUMP



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Rev.	Date	Description	Des.	Verif.	Appd.
E	16/12/2019	CLIENT UPDATES - ISSUE FOR TENDER	JM	LM	LM
D	6/11/2019	ISSUE FOR TENDER AMENDMENTS	JM	LM	LM
C	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
B	21/10/2019	ISSUE FOR APPROVAL	JM	LM	LM
A	17/10/2019	ISSUE FOR APPROVAL	JM	LM	LM

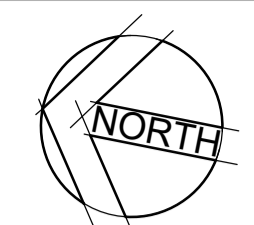
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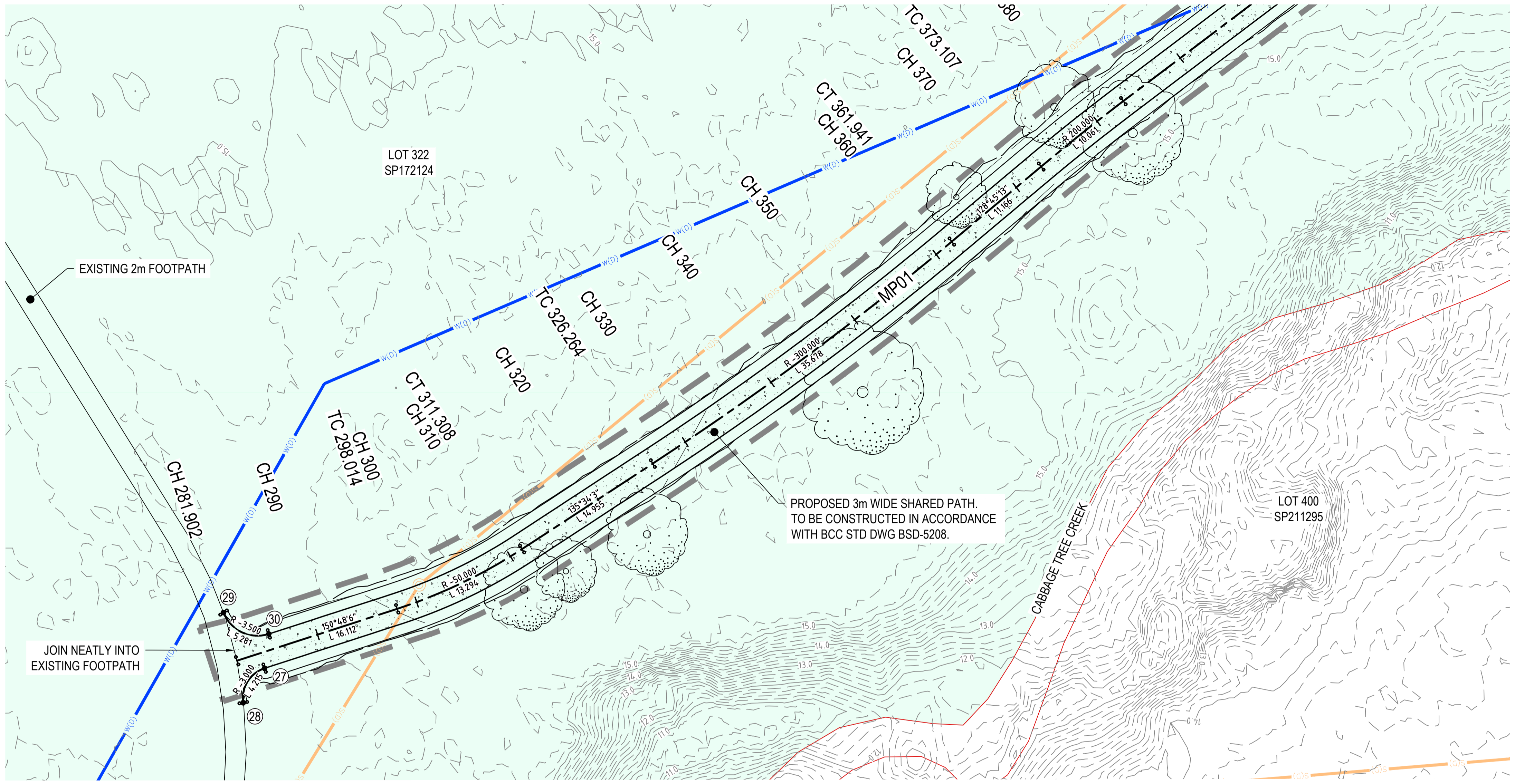
Drawn KA	Date 15/10/2019	Client <b>ECONOMIC DEVELOPMENT QUEENSLAND</b>
Checked DM / RS	Date 16/10/2019	Project CARLSDINE URBAN VILLAGE
Designed JM	Date 15/10/2019	Status <b>FOR TENDER ONLY</b>
Verified LM	Date 15/10/2019	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Approved LM	Date 17/10/2019	Datum AHD
		Grid MGA-56
		Scale 1:250m
		Size A1
		Title ROADWORKS GENERAL ARRANGEMENT AND SETOUT PLAN
		Drawing Number QTMP1903-CI-1110
		Revision E



DATE PLOTTED: 16 December 2019 4:29 PM BY: DAVID MCKENZIE



JOINS DWG QTMP1903-CI-1110



**GENERAL ARRANGEMENT AND SETOUT PLAN**  
SCALE 1:250

**LEGEND:**

- STATE PLANNING PRIORITY DEVELOPMENT AREA
- 15.0 DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.2m INTERVAL)
- 12.0 EXISTING CONTOUR - MAJOR (1.0m INTERVAL)
- EXISTING CONTOUR - MINOR (0.2m INTERVAL)
- PDA AREA BOUNDARY
- PROJECT AREA BOUNDARY - OUTSIDE OF PDA
- PROPOSED ALIGNMENT
- PROPOSED CONCRETE PAVEMENT
- CONCRETE APPROACH SHOULDER
- PROPOSED EDGE OF SHOULDER
- PROPOSED BATTER INTERFACE
- PROPOSED BATTER TADPOLES
- PROPOSED BRIDGE BALUSTRADE
- PROPOSED SAFETY FENCE
- ROCK DUMP FOR EROSION CONTROL
- ROCK FLUME CUTOFF TRENCH REFER DETAIL ON DWG 1121
- SETOUT POINT
- EXISTING TREE TO BE RETAINED
- EXISTING CREEK CENTERLINE
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- PROPERTY BOUNDARY
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- SURVEY BORDER

**MP01 HORIZONTAL SETOUT**

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	281.902	502457.407	6974534.824	150°48'05.87"			
TC	298.014	502465.266	6974520.759	150°48'05.87"			
IP 2	304.661	502468.528	6974514.922		R = -50.000	13.294	15°14'02.88"
CT	311.308	502473.209	6974510.148	135°34'02.99"			
TC	326.264	502483.679	6974499.468	135°34'02.99"			
IP 3	344.103	502496.182	6974486.715		R = -300.000	35.678	6°48'50.11"
CT	361.941	502510.110	6974475.535	128°45'12.88"			
TC	373.107	502518.818	6974468.546	128°45'12.88"			
IP 4	378.138	502522.742	6974465.396		R = 200.000	10.061	2°52'56.23"
CT	383.168	502526.502	6974462.053	131°38'09.11"			
IP 5	441.295	502569.946	6974423.434		R = 30.000	19.439	37°07'32.31"
IP 6	451.015	502577.475	6974416.740				
IP 7	460.734	502579.438	6974406.859				
IP 8	548.600	502596.563	6974320.678	168°45'41.42"			

**SETOUT POINTS**

PT No.	EASTING	NORTHING	RL	DESCRIPTION
27	502457.209	6974532.102	15.230	PATH SPLAY
28	502453.580	6974533.463	15.240	PATH SPLAY
29	502461.674	6974536.993	15.119	PATH SPLAY
30	502460.512	6974532.342	15.276	PATH SPLAY

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: **DEV2019/1070**  
Date: **19 February 2020**



Rev.	Date	Description	Des.	Verif.	Appd.
D	16/12/2019	CLIENT UPDATES - ISSUE FOR TENDER	JM	LM	LM
C	6/11/2019	ISSUE FOR TENDER AMENDMENTS	JM	LM	LM
B	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
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Drawn	KA	Date	21/10/2019
Checked	DM / RS	Date	21/10/2019
Designed	JM	Date	18/10/2019
Verified	LM	Date	21/10/2019
Approved	RPEQ.	Date	21/10/2019
LM		Date	21/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	ROADWORKS
	GENERAL ARRANGEMENT AND SETOUT PLAN
	SHEET 2

Status	<b>FOR TENDER ONLY</b>						
NOT TO BE USED FOR CONSTRUCTION PURPOSES							
Datum	AHD	Grid	MGA-56	Scale	1:250m	Size	A1
Drawing Number	QTMP1903-CI-1111			Revision	D		



DATE PLOTTED: 11 November 2019 2:41 PM BY: DAVID MCKENZIE

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

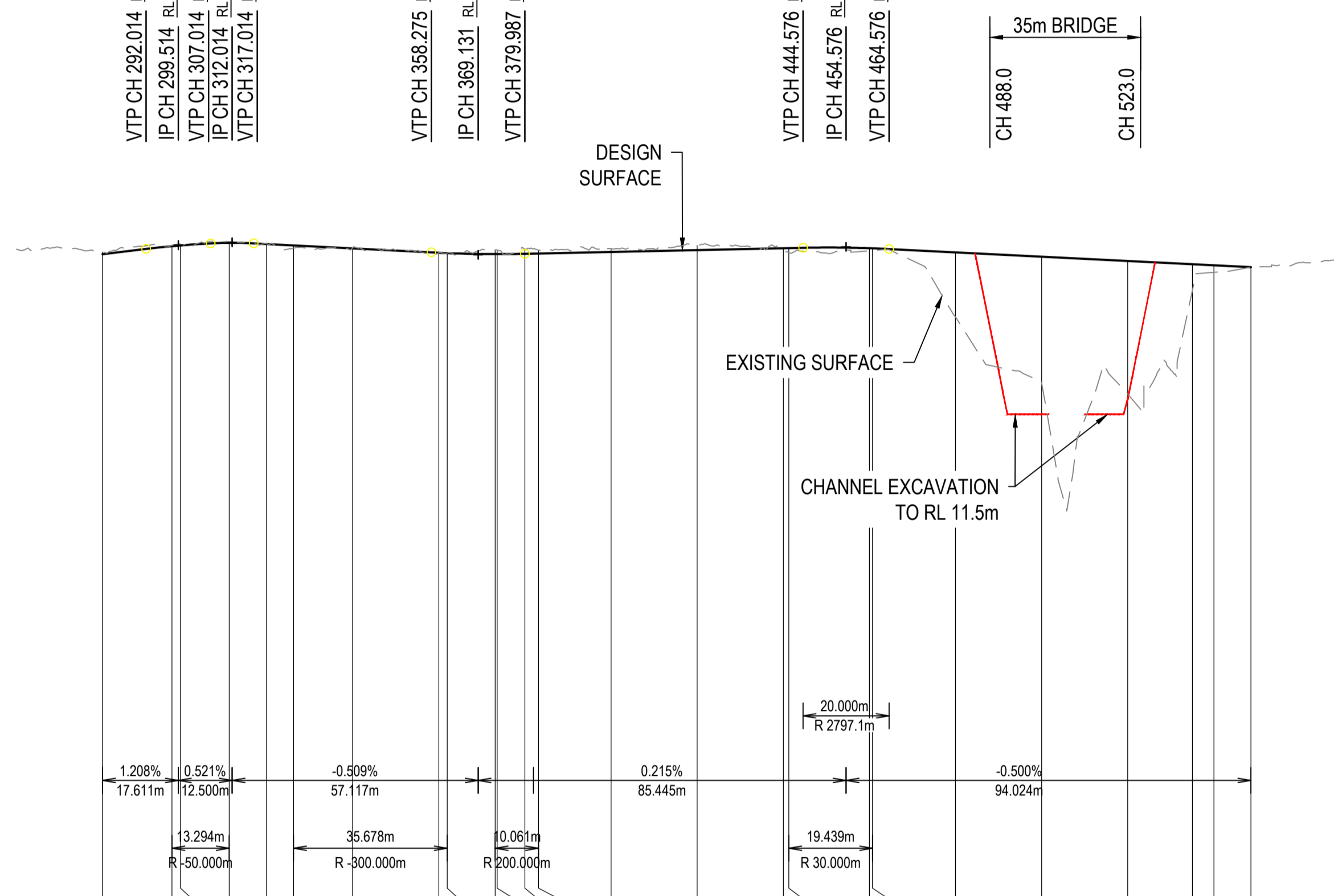
Approval no: DEV2019/1070  
Date: 19 February 2020



VTP CH 292.014 RL 15.339  
IP CH 299.514 RL 15.430  
VTP CH 307.014 RL 15.469  
IP CH 312.014 RL 15.495  
VTP CH 317.014 RL 15.470  
**HIGH POINT**  
CH 312.075 RL 15.482

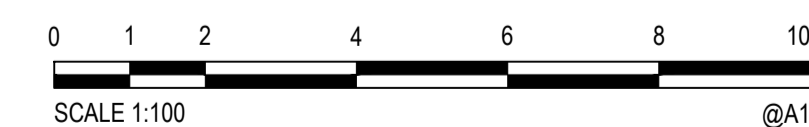
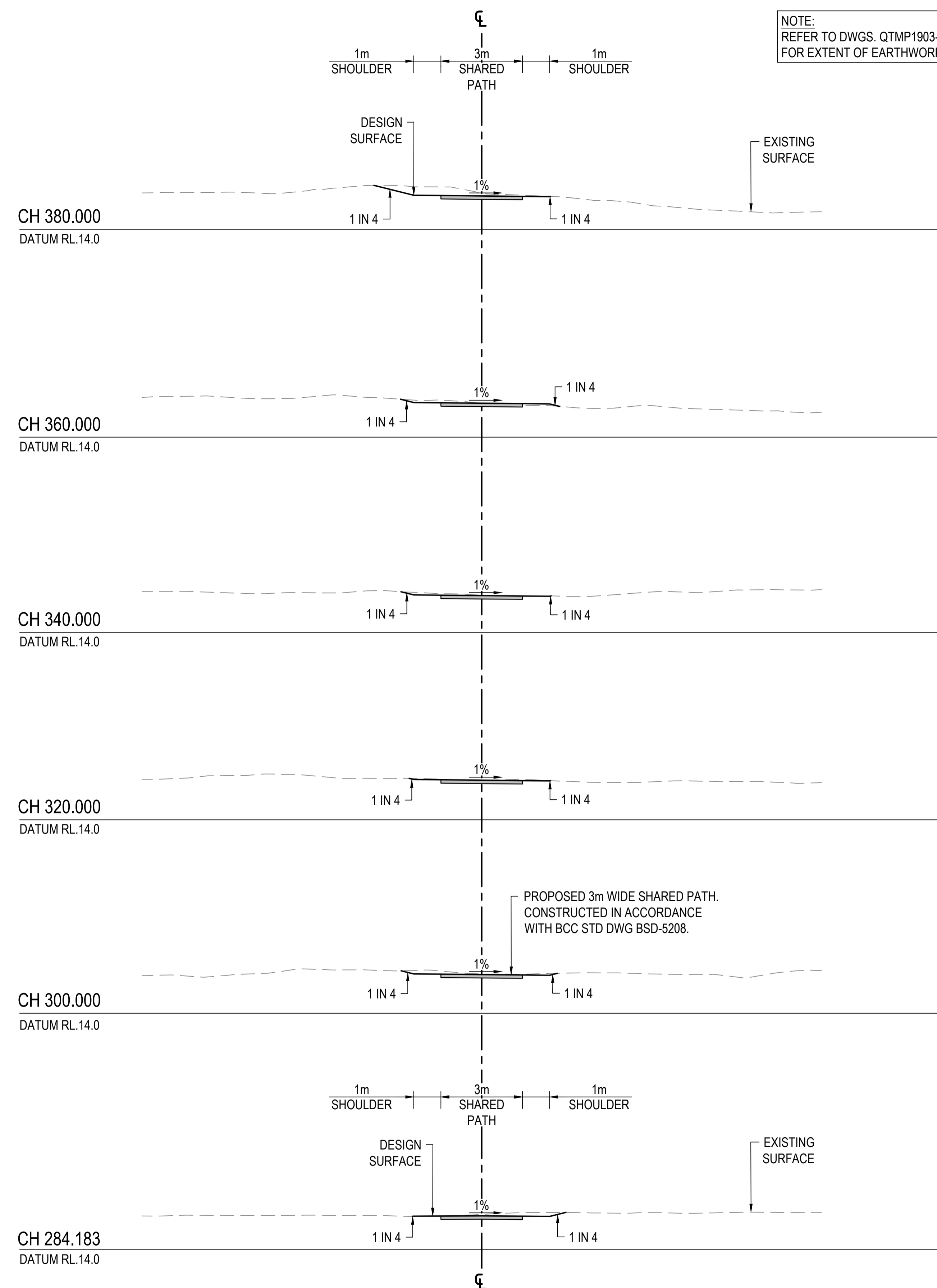
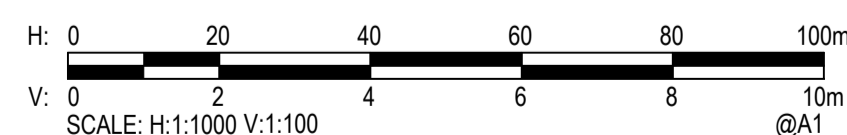
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IP CH 369.131 RL 15.204  
VTP CH 379.987 RL 15.228  
**LOW POINT**  
CH 373.536 RL 15.221

VTP CH 444.576 RL 15.367  
IP CH 454.576 RL 15.388  
VTP CH 464.576 RL 15.338  
**HIGH POINT**  
CH 450.591 RL 15.373



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LHS DESIGN LEVELS EDGE OF FOOTPATH		15.418	15.388	15.436	15.497	15.469	15.437	15.368	15.266	15.236	15.258	15.236	15.243	15.286	15.329	15.372	15.375	15.372	15.370	15.276			15.001	14.976	14.918
RHS DESIGN LEVELS EDGE OF FOOTPATH		15.388	15.406	15.467	15.439	15.407	15.338	15.236	15.228	15.206	15.236	15.213	15.220	15.256	15.299	15.342	15.345	15.342	15.340	15.246			14.971	14.946	14.918
EXISTING SURFACE LEVELS ROAD CENTRELINE	15.268	15.424	15.445	15.503	15.459	15.359	15.364	15.250	15.240	15.315	15.312	15.336	15.309	15.346	15.419	15.326	15.252	15.297	15.303	13.762	12.232	11.970	14.374	14.796	14.918
CUT / FILL DEPTH TO EXISTING SURFACE	-0.051	-0.020	-0.023	-0.021	-0.005	0.064	-0.012	0.001	0.003	-0.085	-0.092	-0.108	-0.075	-0.075	-0.105	0.031	0.108	0.060	0.052	1.499	2.929	3.091	0.612	0.165	0.000
DESIGN LEVELS ROAD CENTRELINE	15.217	15.403	15.421	15.482	15.454	15.422	15.353	15.251	15.243	15.221	15.221	15.228	15.235	15.271	15.314	15.357	15.360	15.357	15.355	15.261	15.161	15.061	14.986	14.961	14.918
CONTROL LINE CHAINAGE FOOTPATH CENTRELINE	281.902	298.014	300.000	311.308	320.000	326.284	340.000	360.000	361.941	373.107	373.536	380.000	383.168	400.000	420.000	440.000	441.295	460.000	460.734	480.000	500.000	520.000	535.000	540.000	548.600

**MP01 LONGITUDINAL SECTION**  
SCALE: HORIZONTAL - 1:1000  
VERTICAL - 1:100



XREFs: XR-DSGN-RDLS.XS  
CAD File: Y:\1910\QTMP1903 - Carlseldine Village Ped Bridge\03 - CAD\01 - CIV\QTMP1903-CI-1120-1121.dwg

Rev.	Date	Description	Des.	Verif.	Appd.
C	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
B	21/10/2019	ISSUE FOR APPROVAL	JM	LM	LM
A	17/10/2019	ISSUE FOR APPROVAL	JM	LM	LM

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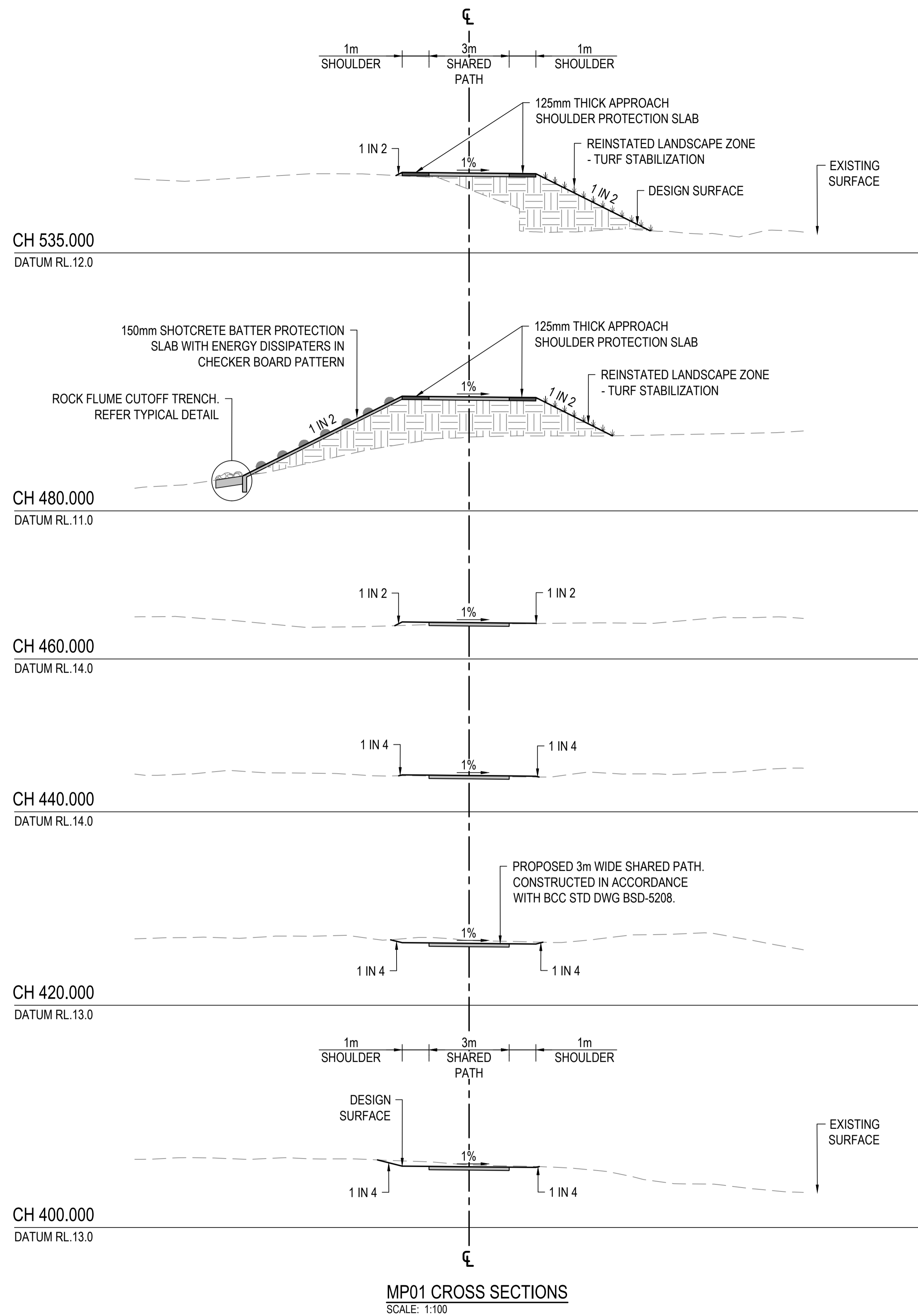
Drawn KA	Date 15/10/2019
Checked DM / RS	Date 16/10/2019
Designed JM	Date 15/10/2019
Verified LM	Date 15/10/2019
Approved RPEQ.	Date 17/10/2019

Client **ECONOMIC DEVELOPMENT QUEENSLAND**  
Project **CARSELDINE URBAN VILLAGE**  
PEDESTRIAN BRIDGE  
DETAIL DESIGN  
Title **ROADWORKS**  
LONGITUDINAL AND CROSS SECTIONS PLAN  
SHEET 1

Status <b>FOR APPROVAL</b>	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Datum AHD	Scale MGA-56 AS SHOWN
Size A1	Revision C
Drawing Number <b>QTMP1903-CI-1120</b>	

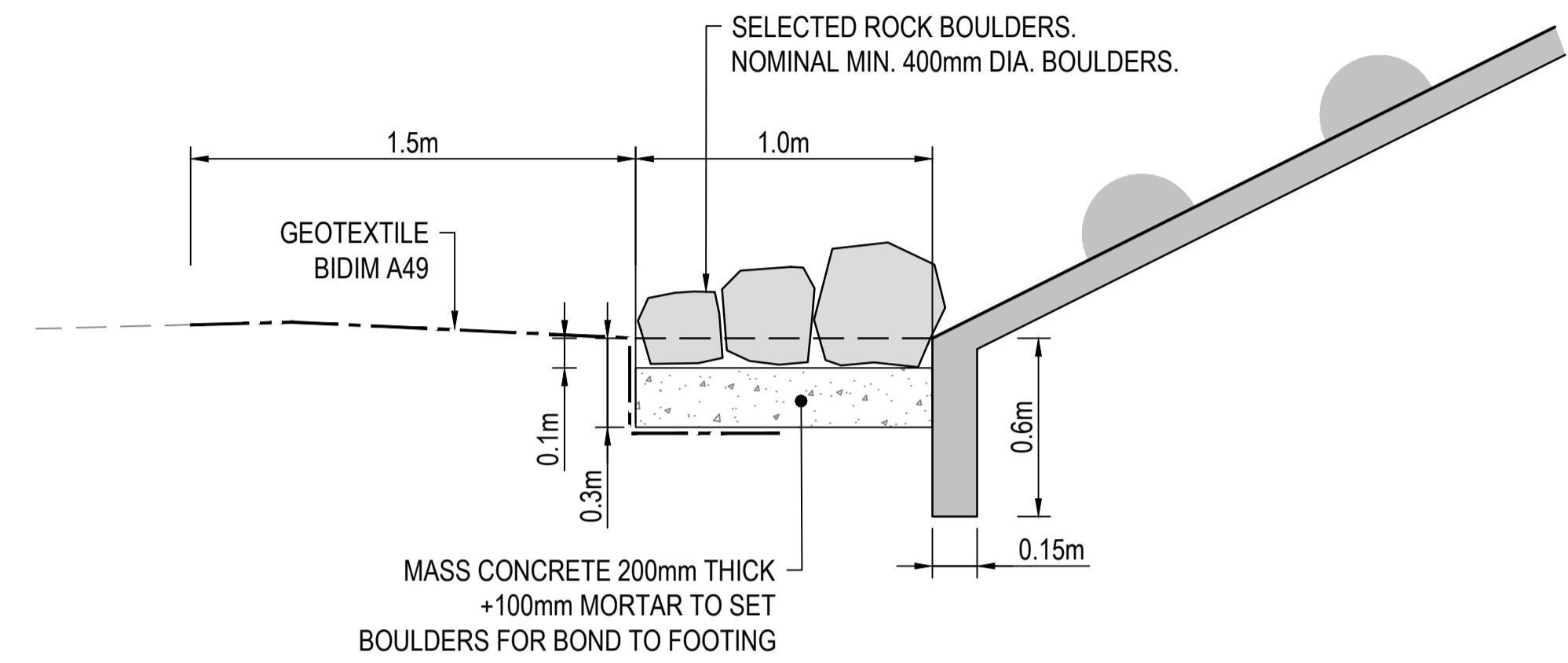


DATE PLOTTED: 11 November 2019 2:41 PM BY: DAVID MCKENZIE



MP01 CROSS SECTIONS  
SCALE: 1:100

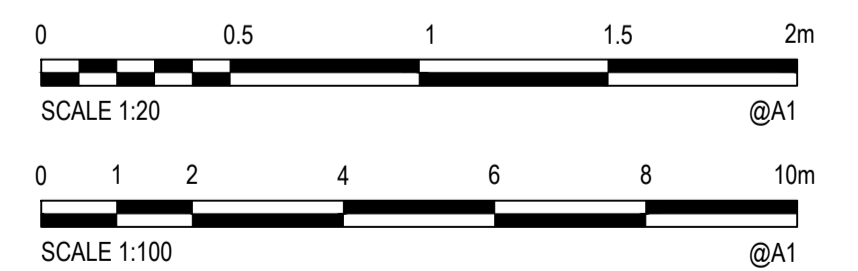
NOTE:  
REFER TO DWGS. QTMP1903-CI-1050-1051  
FOR EXTENT OF EARTHWORKS.



ROCK FLUME CUTOFF TRENCH TYPICAL DETAIL  
SCALE 1:20

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2019/1070  
Date: 19 February 2020



XREFs: XR-DSGN-RDLS\_XS  
CAD File: Y:4190\QTMP1903 - Carseeldine Village Ped Bridge03\_CAD001\_CIV\QTMP1903-CI-1120-1121.dwg

Rev.	Date	Description	Des.	Verif.	Appd.
B	11/11/2019	ISSUE FOR TENDER	JM	LM	LM
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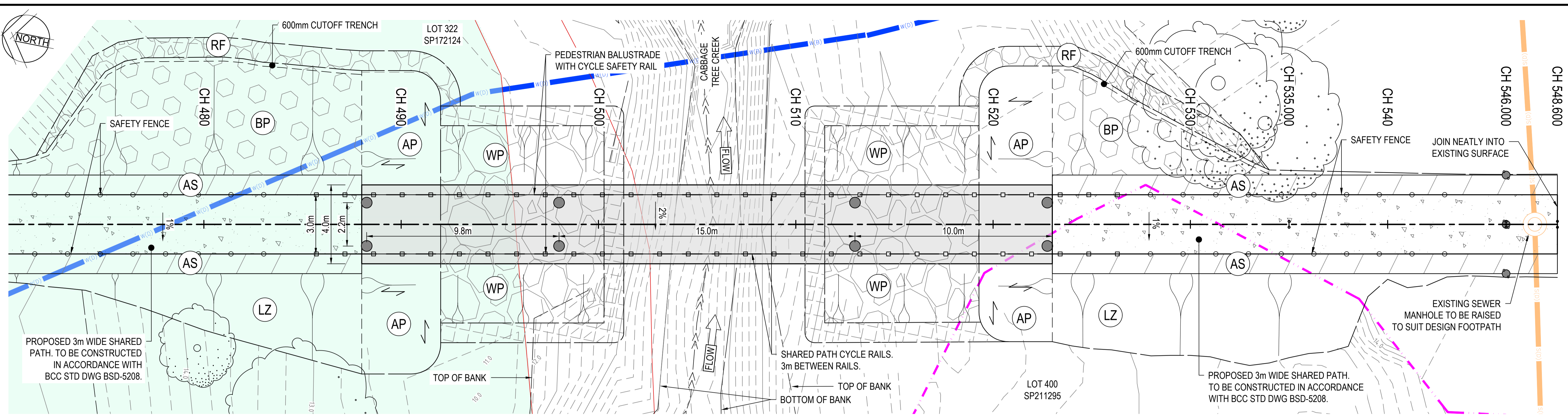
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Checked	DM / RS	Date	21/10/2019
Designed	JM	Date	18/10/2019
Verified	LM	Date	21/10/2019
Approved	RPEQ.	Date	21/10/2019

Client	ECONOMIC DEVELOPMENT QUEENSLAND
Project	CARSELDINE URBAN VILLAGE
	PEDESTRIAN BRIDGE
	DETAIL DESIGN
Title	ROADWORKS
	CROSS SECTIONS PLAN
	SHEET 2

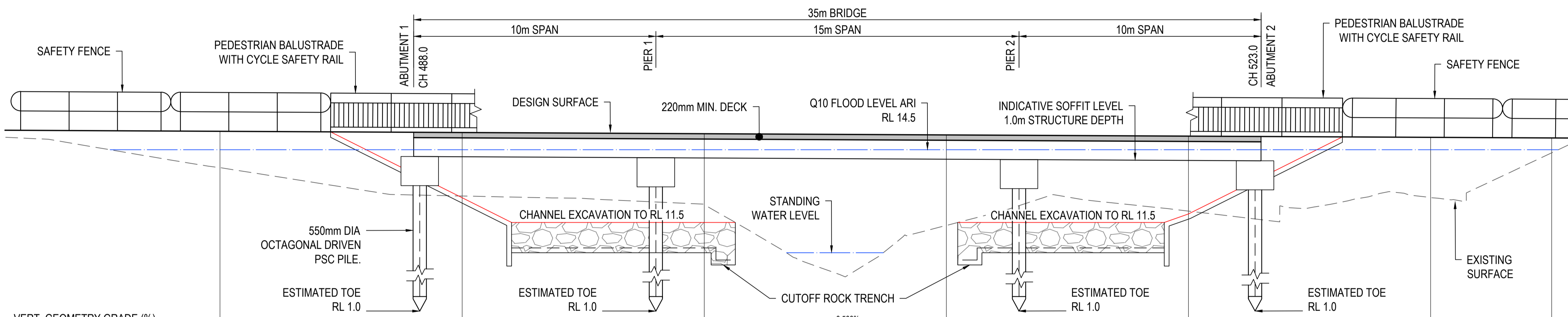
Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Datum	AHD	Scale	AS SHOWN
Grid	MGA-56	Size	A1
Drawing Number	QTMP1903-CI-1121	Revision	B



DATE PLOTTED: 6 December 2019 3:24 PM BY: DAVID MCKENZIE



**BRIDGE GENERAL ARRANGEMENT PLAN**  
SCALE 1:100



**BRIDGE ELEVATION SECTION**  
SCALE 1:100

VERT. GEOMETRY GRADE (%)  
VERT. GEOMETRY LENGTH(m)  
DATUM RL 6.000

	480.000	490.000	500.000	510.000	520.000	530.000	535.000	540.000	548.600
LHS DESIGN LEVELS EDGE OF FOOTPATH	15.276								15.001
RHS DESIGN LEVELS EDGE OF FOOTPATH	15.246								14.971
EXISTING SURFACE LEVELS ROAD CENTRELINE	13.762	12.593	12.232	11.379	11.970	12.523	14.374	14.374	15.001
CUT / FILL DEPTH TO EXISTING SURFACE	1.499	2.618	2.929	3.732	3.091	2.488	0.612		
DESIGN LEVELS ROAD CENTRELINE	15.261	15.211	15.161	15.111	15.061	15.011	14.986		
CONTROL LINE CHAINAGE FOOTPATH CENTRELINE	480.000	490.000	500.000	510.000	520.000	530.000	535.000	540.000	548.600

**MP01 LONGITUDINAL SECTION**  
SCALE: HORIZONTAL - 1:100  
VERTICAL - 1:100

**LEGEND:**

- STATE PLANNING PRIORITY DEVELOPMENT AREA
- EXISTING CONTOUR (0.2m INTERVAL)
- PROPOSED ALIGNMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BRIDGE
- PROPOSED BATTER INTERFACE
- PROPOSED BATTER TADPOLES
- ROCK DUMP FOR EROSION CONTROL
- 550mm DIA OCTAGONAL DRIVEN PSC PILE
- PROPOSED BRIDGE BALUSTRADE
- PROPOSED SAFETY FENCE
- EXISTING CREEK CENTERLINE
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- FLOW DIRECTION
- EXISTING SEWER MANHOLE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- PROPERTY BOUNDARY
- 200mm SHOTCRETE SPILL THROUGH ABUTMENT PROTECTION AND ABUTMENT INSPECTION ACCESS SLAB
- 125mm THICK APPROACH SHOULDER PROTECTION SLAB
- REINSTATED LANDSCAPE ZONE - TURF STABILIZATION
- 150mm THICK SHOTCRETE BATTER PROTECTION SLAB WITH ENERGY DISSIPATORS IN CHECKERBOARD PATTERN
- WATERWAY ROCK PROTECTION LAYER MINIMUM 1.25m DENSELY PLACED 1/2 TONNE ROCK
- ROCK FLUME NOMINAL Ø750 MINIMUM ROCK



XREFS: X:\SEC-FL\_MPO0\_STRUCT\_XR-EXIST-SERVICES\_XR-DCDB\_XR-DSGN-CONT\_XR-EXIST\_XR-DSGN-CL\_XR-DSGN-BRDGLS\_XR-DSGN-02  
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Rev.	Date	Description	Des.	Verif.	Appd.
D	6/11/2019	ISSUE FOR TENDER AMENDMENTS		JM	LM
C	11/11/2019	ISSUE FOR TENDER		JM	LM
B	21/10/2019	ISSUE FOR APPROVAL		JM	LM
A	17/10/2019	ISSUE FOR APPROVAL		JM	LM

**PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL**

Approval no: **DEV2019/1070**

Date: **19 February 2020**

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Checked	LM	Date	16/10/2019
Designed	JM	Date	15/10/2019
Verified	LM	Date	15/10/2019
Approved	RPEQ.	Date	17/10/2019

Client: **ECONOMIC DEVELOPMENT QUEENSLAND**

Project: **CARLSELDINE URBAN VILLAGE**

Title: **STRUCTURAL BRIDGE GENERAL ARRANGEMENT AND ELEVATION**

Status: **FOR TENDER ONLY**

**NOT TO BE USED FOR CONSTRUCTION PURPOSES**

Datum	AHD	GRID	MGA-56	Scale	1:100m	Size	A1	
Drawing Number	QTMP1903-CI-1701						Revision	D