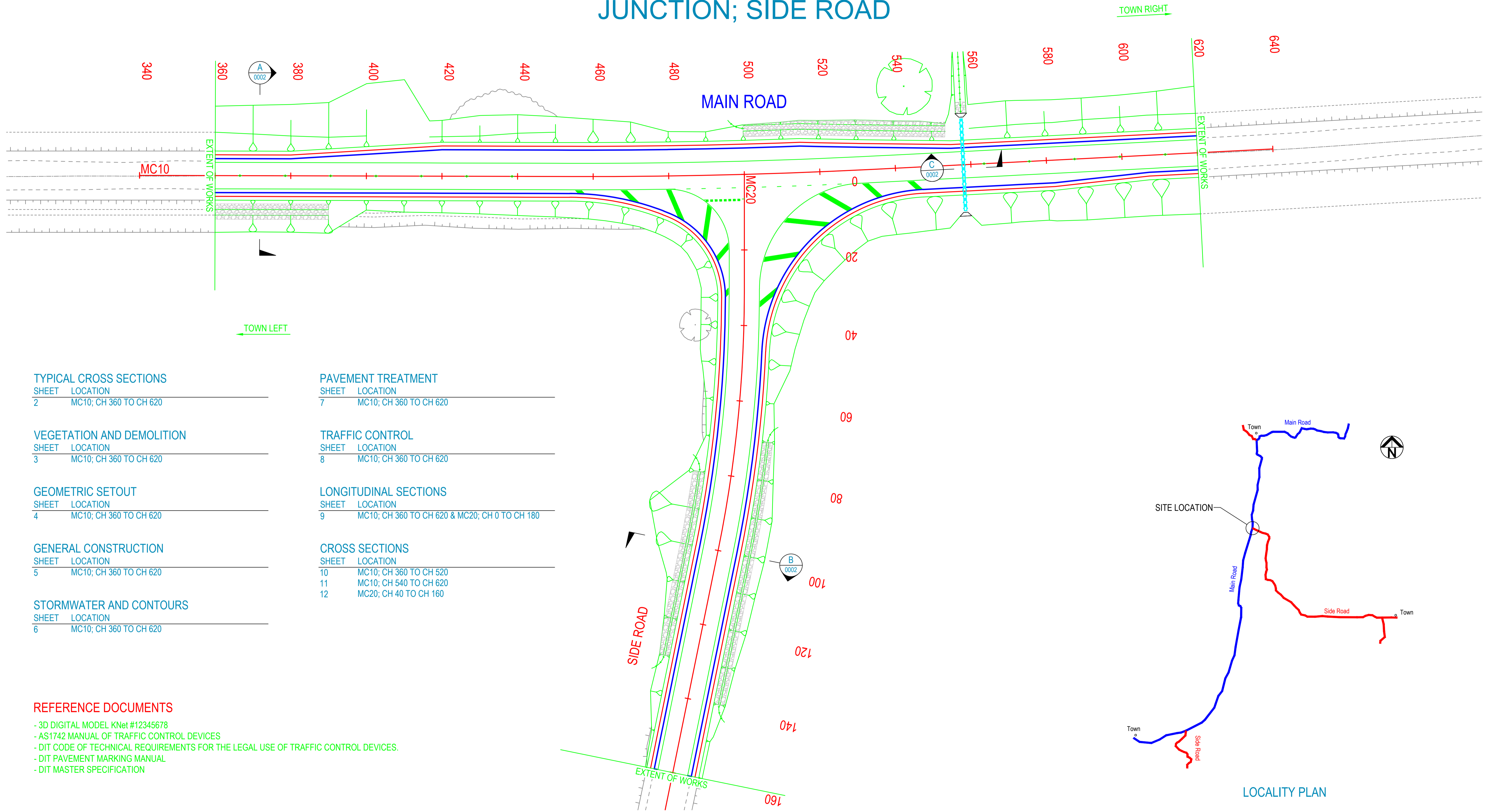


# MAIN ROAD

## JUNCTION; SIDE ROAD



### TYPICAL CROSS SECTIONS

SHEET	LOCATION
2	MC10; CH 360 TO CH 620

### VEGETATION AND DEMOLITION

SHEET	LOCATION
3	MC10; CH 360 TO CH 620

### GEOMETRIC SETOUT

SHEET	LOCATION
4	MC10; CH 360 TO CH 620

### GENERAL CONSTRUCTION

SHEET	LOCATION
5	MC10; CH 360 TO CH 620

### STORMWATER AND CONTOURS

SHEET	LOCATION
6	MC10; CH 360 TO CH 620

### PAVEMENT TREATMENT

SHEET	LOCATION
7	MC10; CH 360 TO CH 620

### TRAFFIC CONTROL

SHEET	LOCATION
8	MC10; CH 360 TO CH 620

### LONGITUDINAL SECTIONS

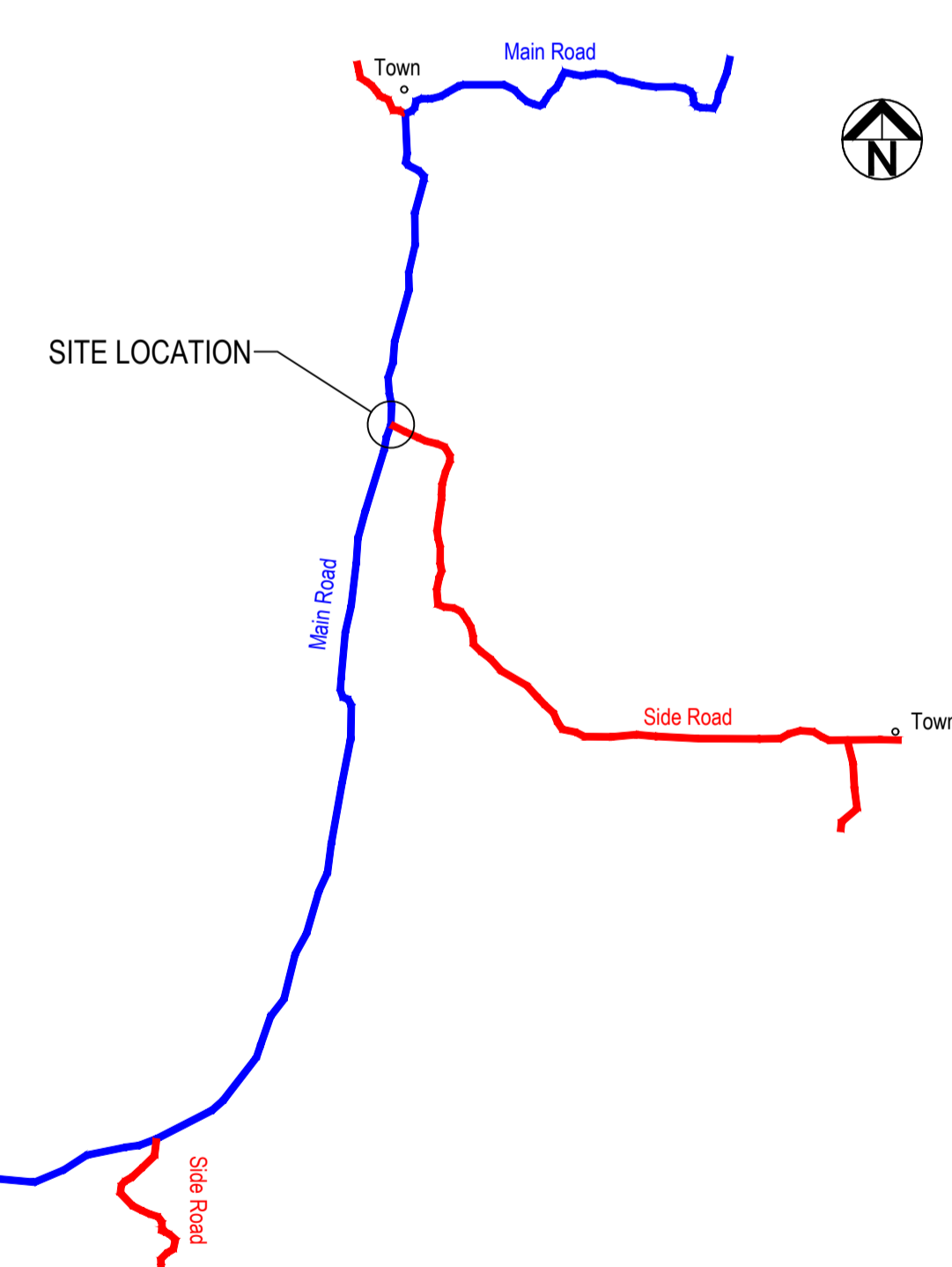
SHEET	LOCATION
9	MC10; CH 360 TO CH 620 & MC20; CH 0 TO CH 180

### CROSS SECTIONS

SHEET	LOCATION
10	MC10; CH 360 TO CH 520
11	MC10; CH 540 TO CH 620
12	MC20; CH 40 TO CH 160

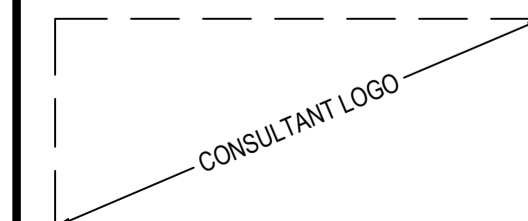
### REFERENCE DOCUMENTS

- 3D DIGITAL MODEL KNet #12345678
- AS1742 MANUAL OF TRAFFIC CONTROL DEVICES
- DIT CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES.
- DIT PAVEMENT MARKING MANUAL
- DIT MASTER SPECIFICATION



LOCALITY PLAN

INDEX SHEET REFERENCE: 1234 SHEET 1



DESIGNED	<b>A. DESIGNED</b>
QUALIFICATION	Dip. Tech. Eng.
DATE:	DD.MM.YYYY
REVIEWER	<b>B. CHECKED</b>
QUALIFICATION	Beng
DATE:	DD.MM.YYYY
INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)	<b>C. INDEPENDENT</b>
QUALIFICATION	Beng
DATE:	DD.MM.YYYY



PROJECT No.:	FILE No.:
DESIGN No.:	SURVEY No.:
PROJECT START ROAD RUNNING DISTANCE: MC10; CH 360 = RRD 154.14	
PROJECT END ROAD RUNNING DISTANCE: MC10; CH 620 = RRD 153.88	
SCALES:	
10 0 5 10 15 20	

<b>Road No. 1234</b> <b>MAIN ROAD</b> <b>JUNCTION; SIDE ROAD</b> <b>MC10; CH 360 TO CH 620</b> <b>TITLE AND INDEX</b>					
DESIGNER ORG.	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
COMPANY LINE 1	<b>D. ACCEPT</b>	12345678	1234	1	0
COMPANY LINE 2	TITLE: PROJECT MANAGER	IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725			
	DATE: DD.MM.YYYY				

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE	UNCONTROLLED COPY WHEN PRINTED	100 MILLIMETRES ON ORIGINAL DRAWING	ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE
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CAD FILE NAME: 1234 SHEET 0001.DWG

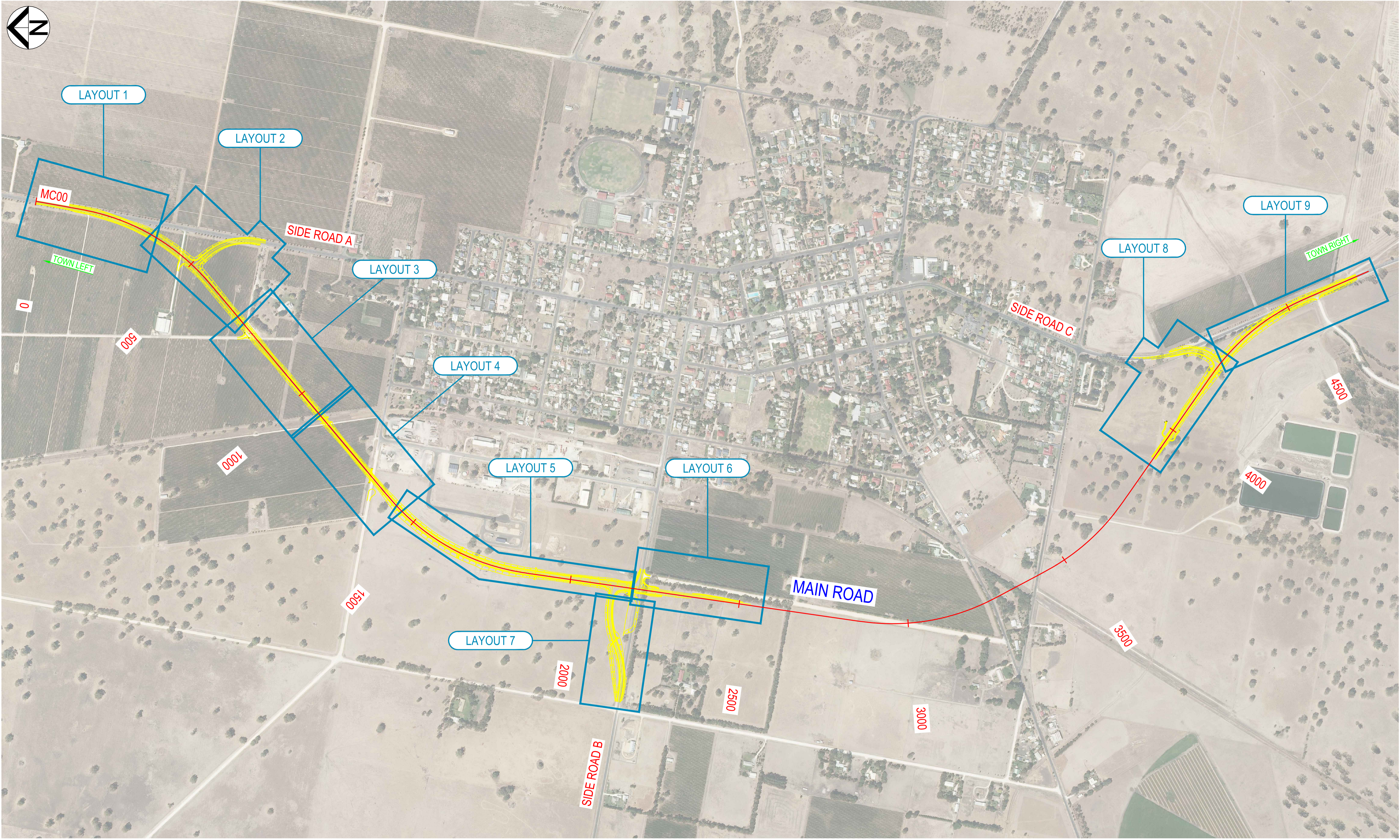
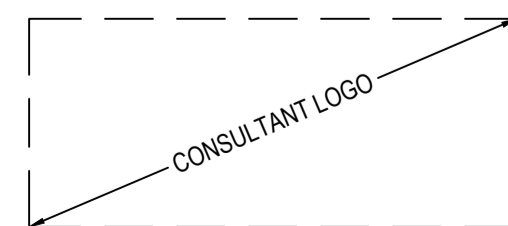

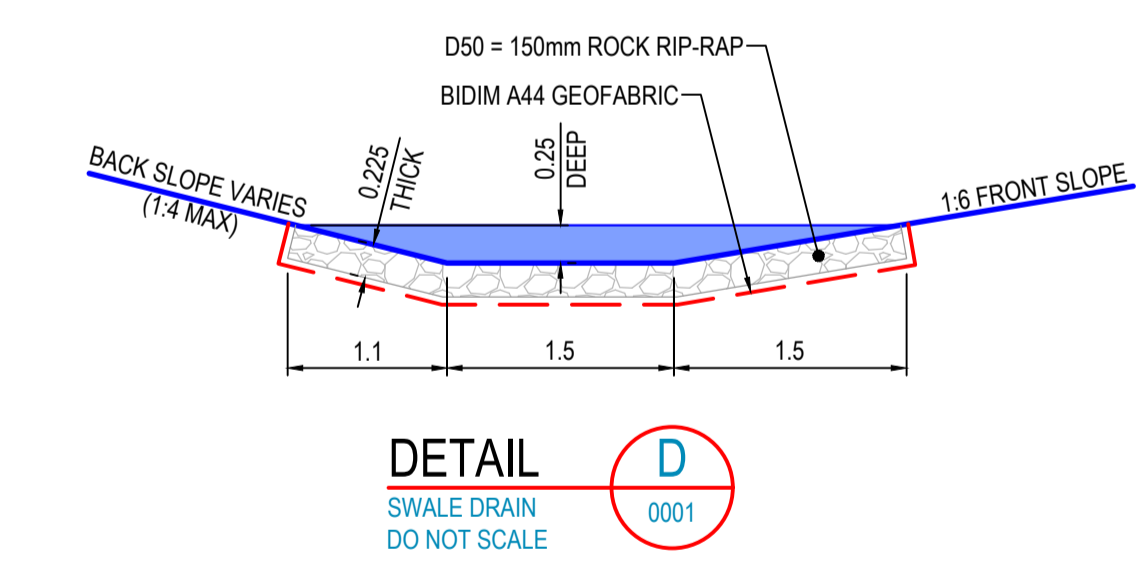
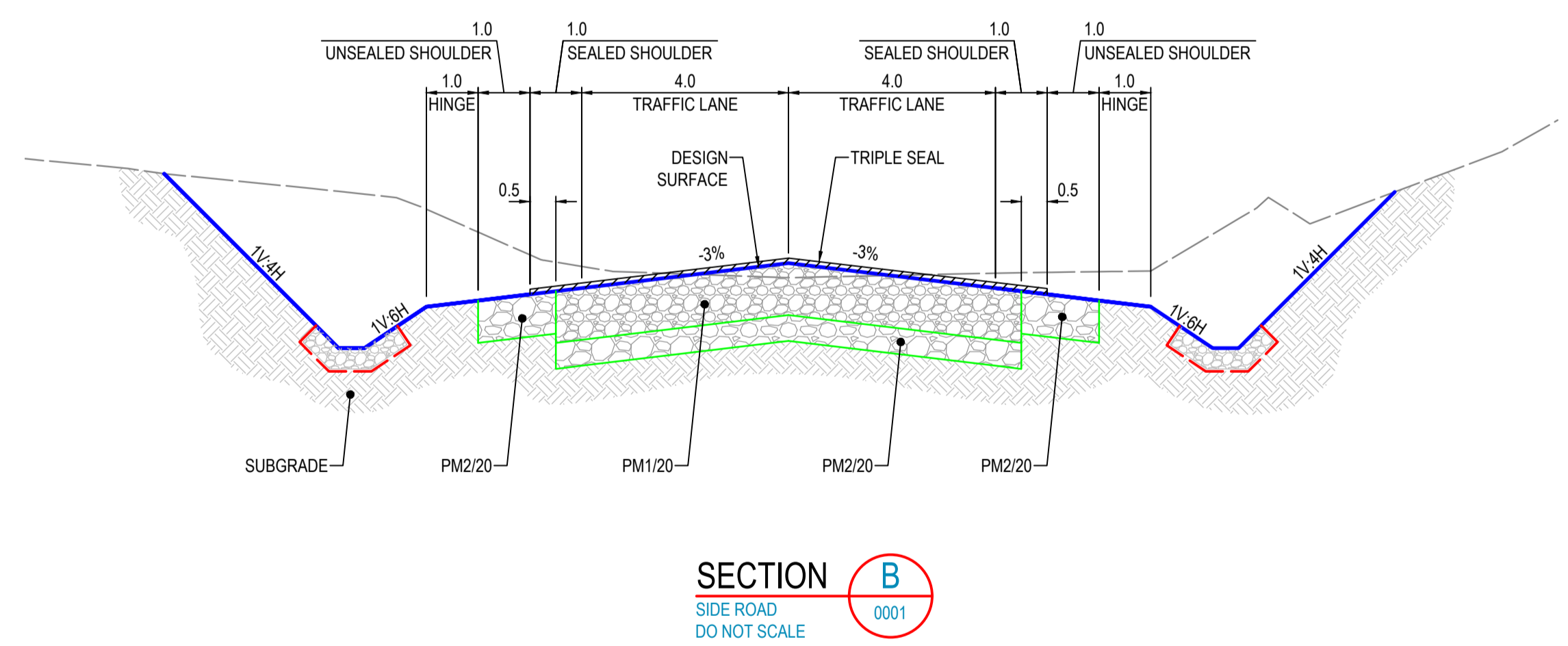
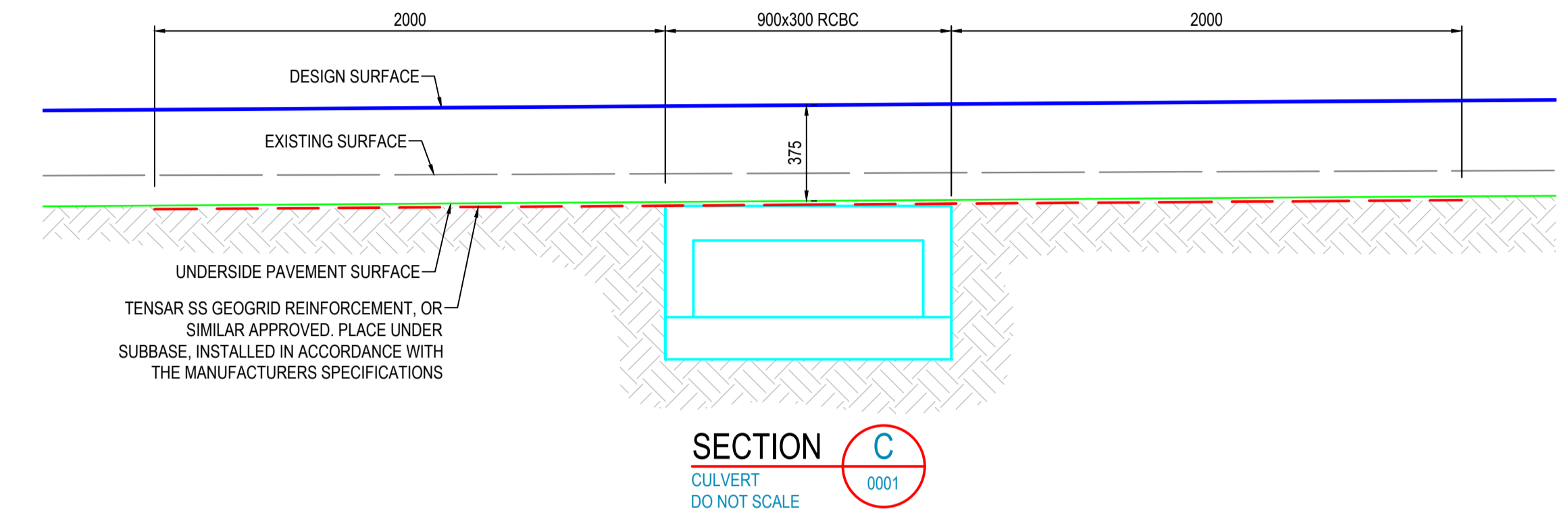
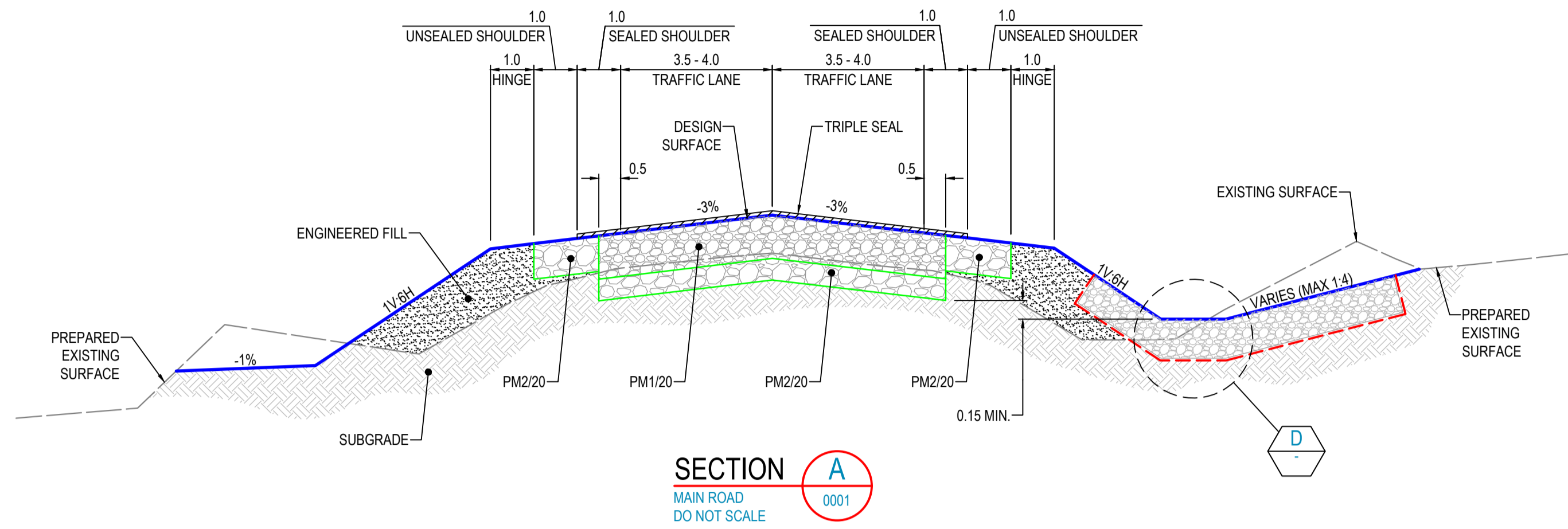


IMAGE: JANUARY 2020

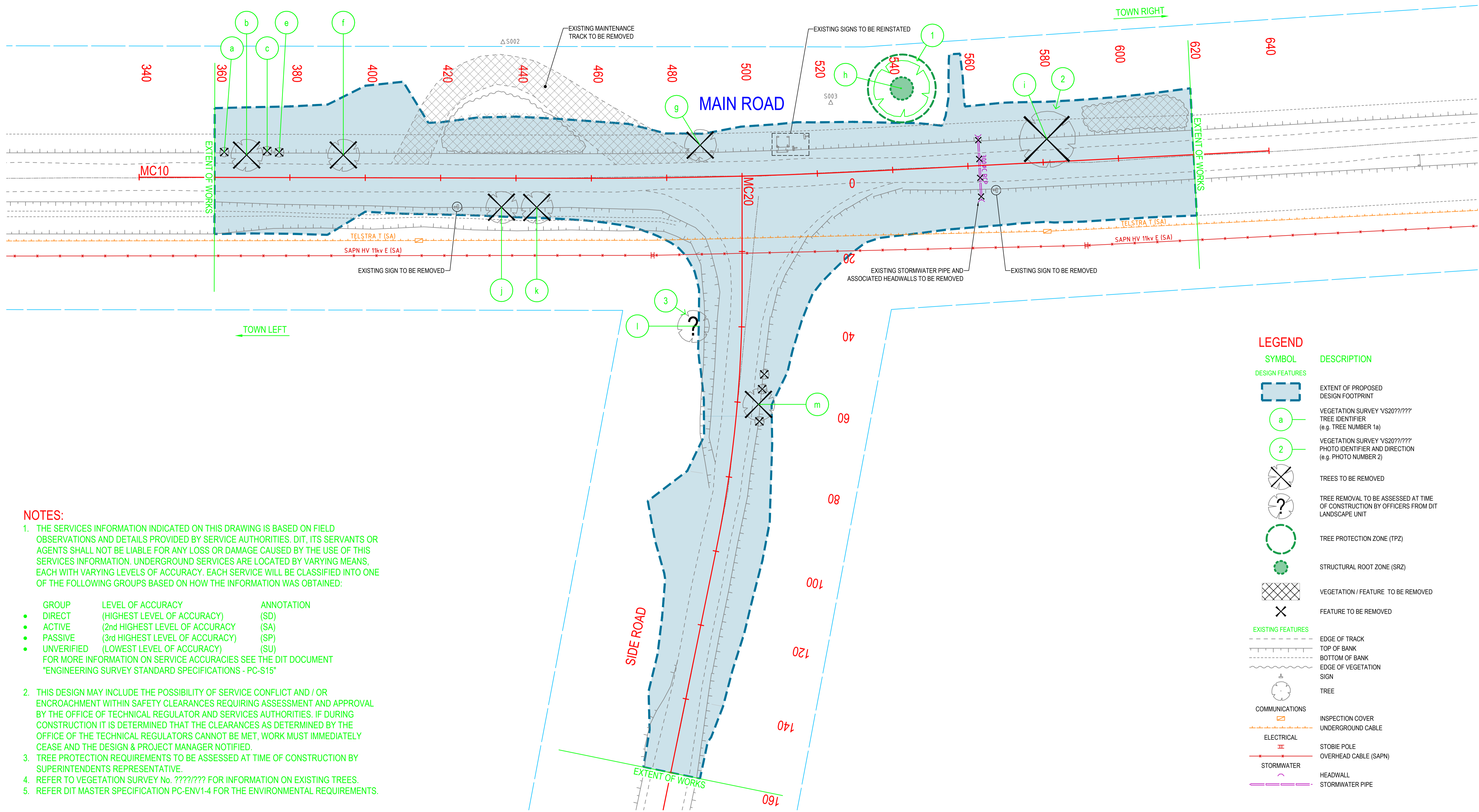
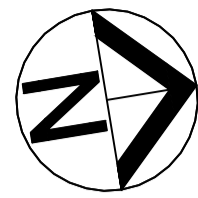
INDEX SHEET REFERENCE: 1234 SHEET 2 		DESIGNED <b>A. DESIGNED</b> Dip. Tech. Eng. DD.MM.YYYY REVIEWER <b>B. CHECKED</b> Beng DD.MM.YYYY INDEPENDENT DESIGN CERTIFIER (IF REQUIRED) <b>C. INDEPENDENT</b> Beng DD.MM.YYYY	 <b>Government of South Australia</b> Department for Infrastructure and Transport	PROJECT No.: DESIGN No.: SURVEY No.: PROJECT START ROAD RUNNING DISTANCE: MC00:CH 100 = RRD 0.00 PROJECT END ROAD RUNNING DISTANCE: MC00:CH 620 = RRD 153.88 SCALES: <b>DO NOT SCALE</b>	<b>Road No. 1234          MAIN ROAD          TOWN X          MC00; CH 0 TO CH 4600          OVERVIEW PLAN</b>	DESIGNER ORG. COMPANY LINE 1 COMPANY LINE 2 ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY ACCEPTANCE FORM KNET No.: <b>12345678</b> DRAWING No.: <b>1234</b> SHEET No.: <b>2</b> AMEND No.: <b>0</b> <small>IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725</small>		
No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE	UNCONTROLLED COPY WHEN PRINTED	100 MILLIMETRES ON ORIGINAL DRAWING	ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

CAD FILE NAME: RD-1234-02.DWG



INDEX SHEET REFERENCE: 1234 SHEET 1					DESIGNED <b>A. DESIGNED</b> QUALIFICATION: Dip. Tech. Eng. DATE: DD.MM.YYYY		 <b>Government of South Australia</b> Department for Infrastructure and Transport	PROJECT No.:	FILE No.:	<b>Road No. 1234          MAIN ROAD          JUNCTION; SIDE ROAD          MC10; CH 360 TO CH 620          TYPICAL CROSS SECTIONS</b>			
					REVIEWER <b>B. CHECKED</b> QUALIFICATION: Beng DATE: DD.MM.YYYY			DESIGN No.:	SURVEY No.:				
					INDEPENDENT DESIGN CERTIFIER (IF REQUIRED) <b>C. INDEPENDENT</b> QUALIFICATION: Beng DATE: DD.MM.YYYY			PROJECT START ROAD RUNNING DISTANCE: MC10; CH 360 = RRD 154.14 PROJECT END ROAD RUNNING DISTANCE: MC10; CH 620 = RRD 153.88	ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY				
UNCONTROLLED COPY WHEN PRINTED					ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE			SCALES: <b>DO NOT SCALE</b>	ACCEPTANCE FORM KNET No.: <b>12345678</b>	DRAWING No.: <b>1234</b>	SHEET No.: <b>2</b>	AMEND No.: <b>0</b>	IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725
No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE								

CAD FILE NAME: 1234 SHEET 0002.DWG



**NOTES:**

- THE SERVICES INFORMATION INDICATED ON THIS DRAWING IS BASED ON FIELD OBSERVATIONS AND DETAILS PROVIDED BY SERVICE AUTHORITIES. DIT, ITS SERVANTS OR AGENTS SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE CAUSED BY THE USE OF THIS SERVICES INFORMATION. UNDERGROUND SERVICES ARE LOCATED BY VARYING MEANS, EACH WITH VARYING LEVELS OF ACCURACY. EACH SERVICE WILL BE CLASSIFIED INTO ONE OF THE FOLLOWING GROUPS BASED ON HOW THE INFORMATION WAS OBTAINED:
 

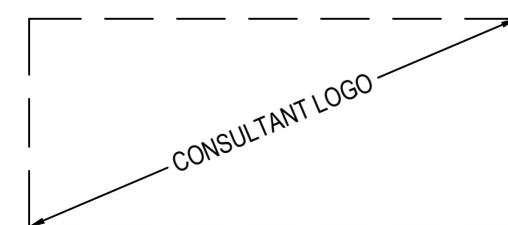
GROUP	LEVEL OF ACCURACY	ANNOTATION
● DIRECT	(HIGHEST LEVEL OF ACCURACY)	(SD)
● ACTIVE	(2nd HIGHEST LEVEL OF ACCURACY)	(SA)
● PASSIVE	(3rd HIGHEST LEVEL OF ACCURACY)	(SP)
● UNVERIFIED	(LOWEST LEVEL OF ACCURACY)	(SU)

 FOR MORE INFORMATION ON SERVICE ACCURACIES SEE THE DIT DOCUMENT "ENGINEERING SURVEY STANDARD SPECIFICATIONS - PC-S15"
- THIS DESIGN MAY INCLUDE THE POSSIBILITY OF SERVICE CONFLICT AND / OR ENCROACHMENT WITHIN SAFETY CLEARANCES REQUIRING ASSESSMENT AND APPROVAL BY THE OFFICE OF TECHNICAL REGULATOR AND SERVICES AUTHORITIES. IF DURING CONSTRUCTION IT IS DETERMINED THAT THE CLEARANCES AS DETERMINED BY THE OFFICE OF THE TECHNICAL REGULATORS CANNOT BE MET, WORK MUST IMMEDIATELY CEASE AND THE DESIGN & PROJECT MANAGER NOTIFIED.
- TREE PROTECTION REQUIREMENTS TO BE ASSESSED AT TIME OF CONSTRUCTION BY SUPERINTENDENTS REPRESENTATIVE.
- REFER TO VEGETATION SURVEY No. ???????? FOR INFORMATION ON EXISTING TREES.
- REFER DIT MASTER SPECIFICATION PC-ENV1-4 FOR THE ENVIRONMENTAL REQUIREMENTS.

**LEGEND**

SYMBOL	DESCRIPTION
	EXTENT OF PROPOSED DESIGN FOOTPRINT
	VEGETATION SURVEY 'VS20??/???' TREE IDENTIFIER (e.g. TREE NUMBER 1a)
	VEGETATION SURVEY 'VS20??/???' PHOTO IDENTIFIER AND DIRECTION (e.g. PHOTO NUMBER 2)
	TREES TO BE REMOVED
	TREE REMOVAL TO BE ASSESSED AT TIME OF CONSTRUCTION BY OFFICERS FROM DIT LANDSCAPE UNIT
	TREE PROTECTION ZONE (TPZ)
	STRUCTURAL ROOT ZONE (SRZ)
	VEGETATION / FEATURE TO BE REMOVED
	FEATURE TO BE REMOVED
<b>EXISTING FEATURES</b>	
	EDGE OF TRACK
	TOP OF BANK
	BOTTOM OF BANK
	EDGE OF VEGETATION
	SIGN
	TREE
<b>COMMUNICATIONS</b>	
	INSPECTION COVER
	UNDERGROUND CABLE
<b>ELECTRICAL</b>	
	STOBIE POLE
	OVERHEAD CABLE (SAPN)
<b>STORMWATER</b>	
	HEADWALL
	STORMWATER PIPE

INDEX SHEET REFERENCE: 1234 SHEET 1



DESIGNED	<b>A. DESIGNED</b>
QUALIFICATION	Dip. Tech. Eng.
DATE:	DD.MM.YYYY
REVIEWER	<b>B. CHECKED</b>
QUALIFICATION	Beng
DATE:	DD.MM.YYYY
INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)	<b>C. INDEPENDENT</b>
QUALIFICATION	Beng
DATE:	DD.MM.YYYY

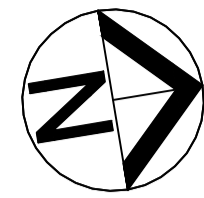


**Government of South Australia**  
Department for Infrastructure and Transport

PROJECT No.:	FILE No.:
DESIGN No.:	SURVEY No.:
PROJECT START ROAD RUNNING DISTANCE: MC10; CH 360 = RRD 154.14	
PROJECT END ROAD RUNNING DISTANCE: MC10; CH 620 = RRD 153.88	
SCALES:	

**Road No. 1234  
MAIN ROAD  
JUNCTION; SIDE ROAD  
MC10; CH 360 TO CH 620  
VEGETATION AND DEMOLITION**

DESIGNER ORG.	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
COMPANY LINE 1 COMPANY LINE 2	<b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY	12345678	1234	3	0
IN ACCORDANCE WITH DP013		SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725			



6839900N

6839900N

6840000N

6840000N

420400E

340

360

380

400

420

440

454.20 TC

460

480

500

520

534.72 CT

540

560

580

600

620

640

MAIN ROAD

MC10

L=114.20m  
B=9°31'52"

L=80.52m  
R=1500.00m

L=105.28m  
B=6°27'20"

EXTENT OF WORKS

EXTENT OF WORKS

TOWN LEFT

TOWN RIGHT

POINT SETOUT TABLE

SYMBOL	ID	X	Y	Z
SURVEY STATIONS				
△ S00?	S001	420380.337	6839764.572	26.297
	S002	420389.707	6839927.921	26.991
	S003	420419.766	6840011.158	28.214
	S004	420440.902	6840213.5	28.993
	S005	420645.263	6839929.726	28.454

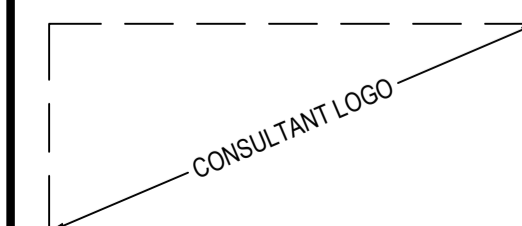
ALIGNMENT SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
MC10 HORIZONTAL SEGMENTS								
S	340	420409.471	6839826.835		9°31'51.66"	LINE		114.202
TC	454.202	420428.381	6839939.46	28.024	9°31'51.66"	ARC	-1500	80.519
CT	534.72	420439.576	6840019.187	28.426	6°27'19.54"	LINE		105.28
E	640	420451.413	6840123.8	29.033	6°27'19.54"			
MC20 HORIZONTAL SEGMENTS								
S	0	420435.274	6839984.736	28.253	99°22'32.96"	LINE		31.241
TC	31.241	420466.098	6839979.646	29.19	99°22'32.96"	ARC	340	68.421
CT	99.663	420532.033	6839961.805	30.628	110°54'21.54"	LINE		80.337
E	180	420607.081	6839933.138		110°54'21.54"			
MR22 HORIZONTAL SEGMENTS								
S	0	420446.924	6840030.758	28.623	101°58'35.80"	ARC	-45	66.35
E	66.35	420482.301	6839981.678	29.503	101°58'35.80"			
MR2L HORIZONTAL SEGMENTS								
S	0	420466.595	6839974.493	29.109	211°33'04.87"	ARC	-24	28.506
CC	28.506	420442.139	6839963.388	28.477	211°33'04.87"	ARC	-70	26.903
E	55.408	420432.758	6839938.35	28.156	189°31'51.59"			

NOTES:

- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE 3D MODEL (KNet # 12345678) FORMALLY ISSUE FOR CONSTRUCTION.
- THE REFERENCE POINT FOR THE SETTING OUT OF A DRAINAGE STRUCTURE IS SHOWN ON THE STANDARD DRAWING FOR EACH STRUCTURE.
- THE REFERENCE POINT FOR THE SETTING OUT OF A LIGHT POLE IS THE CENTRE OF POLE.
- THE LEVEL DATUM IS AUSTRALIAN HEIGHT DATUM (AHD).
- THE COORDINATE BASE IS MGA2020-54 (PLANAR).

INDEX SHEET REFERENCE: 1234 SHEET 1



DESIGNED  
A. DESIGNED  
Dip. Tech. Eng.  
DD.MM.YYYY

REVIEWER  
B. CHECKED  
Beng  
DD.MM.YYYY

INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)  
C. INDEPENDENT  
Beng  
DD.MM.YYYY

QUALIFICATION DATE:  
DD.MM.YYYY



PROJECT No.: FILE No.:

DESIGN No.: SURVEY No.:

PROJECT START ROAD RUNNING DISTANCE:  
MC10; CH 360 = RRD 154.14

PROJECT END ROAD RUNNING DISTANCE:  
MC10; CH 620 = RRD 153.88

SCALES:  
10 0 5 10 15 20

Road No. 1234  
MAIN ROAD  
JUNCTION; SIDE ROAD  
MC10; CH 360 TO CH 620  
GEOMETRIC SETOUT

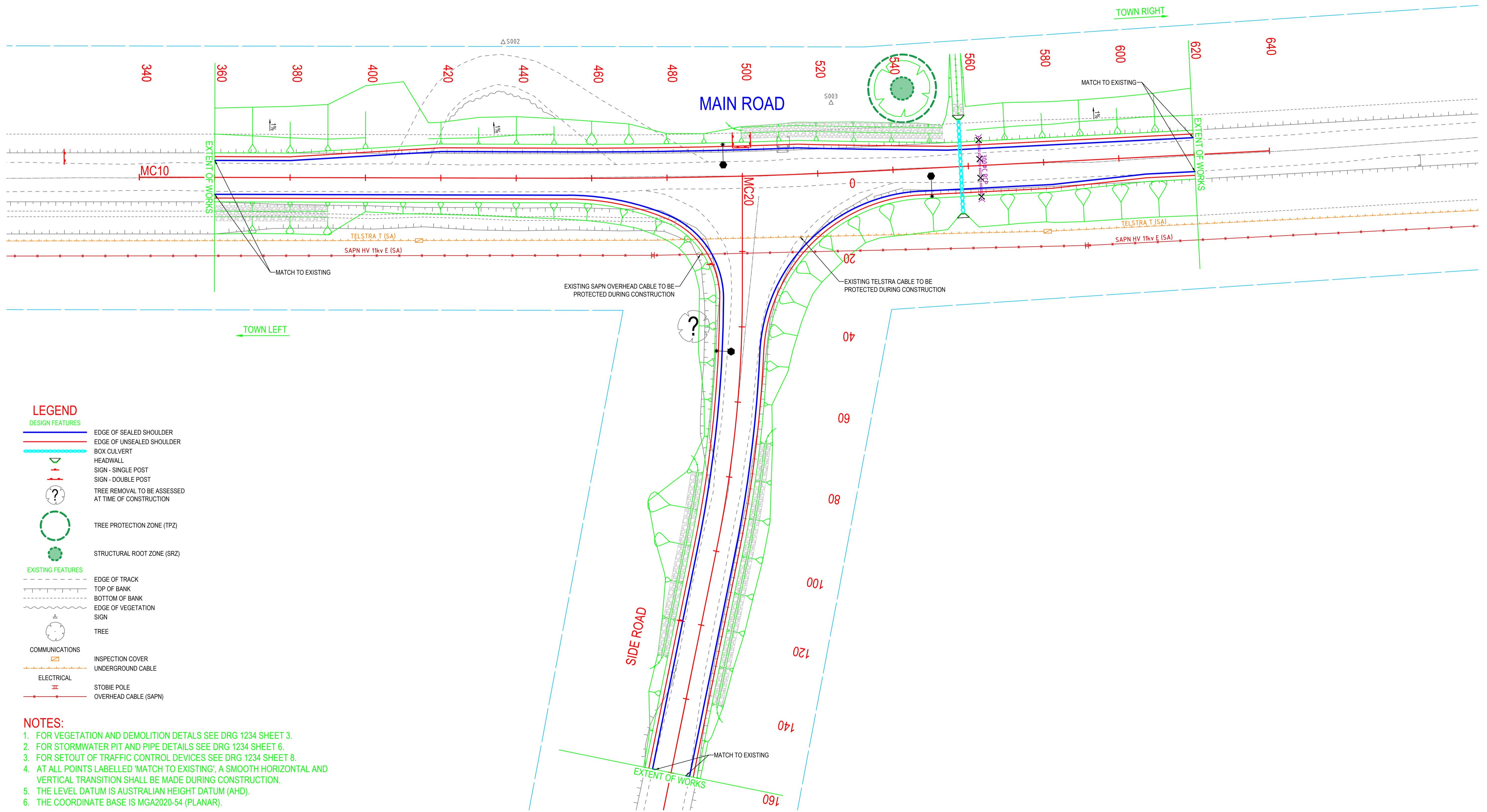
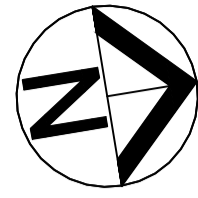
DESIGNER ORG. COMPANY LINE 1 COMPANY LINE 2	ACCEPTED FOR USE: D. ACCEPT TITLE: PROJECT MANAGER DATE: DD.MM.YYYY	ACCEPTANCE FORM KNET No.: 12345678	DRAWING No.: 1234	SHEET No.: 4	AMEND No.: 0
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IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE

UNCONTROLLED COPY WHEN PRINTED 100 MILLIMETRES ON ORIGINAL DRAWING ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

CAD FILE NAME: 1234 SHEET 0004.DWG

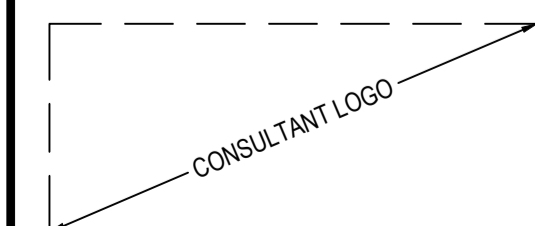


**LEGEND**

- DESIGN FEATURES**
- EDGE OF SEALED SHOULDER
  - EDGE OF UNSEALED SHOULDER
  - BOX CULVERT
  - HEADWALL
  - SIGN - SINGLE POST
  - SIGN - DOUBLE POST
  - TREE REMOVAL TO BE ASSESSED AT TIME OF CONSTRUCTION
  - TREE PROTECTION ZONE (TPZ)
  - STRUCTURAL ROOT ZONE (SRZ)
- EXISTING FEATURES**
- EDGE OF TRACK
  - TOP OF BANK
  - BOTTOM OF BANK
  - EDGE OF VEGETATION
  - SIGN
  - TREE
- COMMUNICATIONS**
- INSPECTION COVER
  - UNDERGROUND CABLE
- ELECTRICAL**
- STOBIE POLE
  - OVERHEAD CABLE (SAPN)

- NOTES:**
1. FOR VEGETATION AND DEMOLITION DETAILS SEE DRG 1234 SHEET 3.
  2. FOR STORMWATER PIT AND PIPE DETAILS SEE DRG 1234 SHEET 6.
  3. FOR SETOUT OF TRAFFIC CONTROL DEVICES SEE DRG 1234 SHEET 8.
  4. AT ALL POINTS LABELLED 'MATCH TO EXISTING', A SMOOTH HORIZONTAL AND VERTICAL TRANSITION SHALL BE MADE DURING CONSTRUCTION.
  5. THE LEVEL DATUM IS AUSTRALIAN HEIGHT DATUM (AHD).
  6. THE COORDINATE BASE IS MGA2020-54 (PLANAR).

INDEX SHEET REFERENCE: 1234 SHEET 1



DESIGNED  
**A. DESIGNED**  
 Dip. Tech. Eng.  
 DD.MM.YYYY

REVIEWER  
**B. CHECKED**  
 Beng  
 DD.MM.YYYY

INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)  
**C. INDEPENDENT**  
 Beng  
 DD.MM.YYYY

QUALIFICATION DATE:  
 Beng  
 DD.MM.YYYY



PROJECT No.: FILE No.:

DESIGN No.: SURVEY No.:

PROJECT START ROAD RUNNING DISTANCE:  
 MC10; CH 360 = RRD 154.14

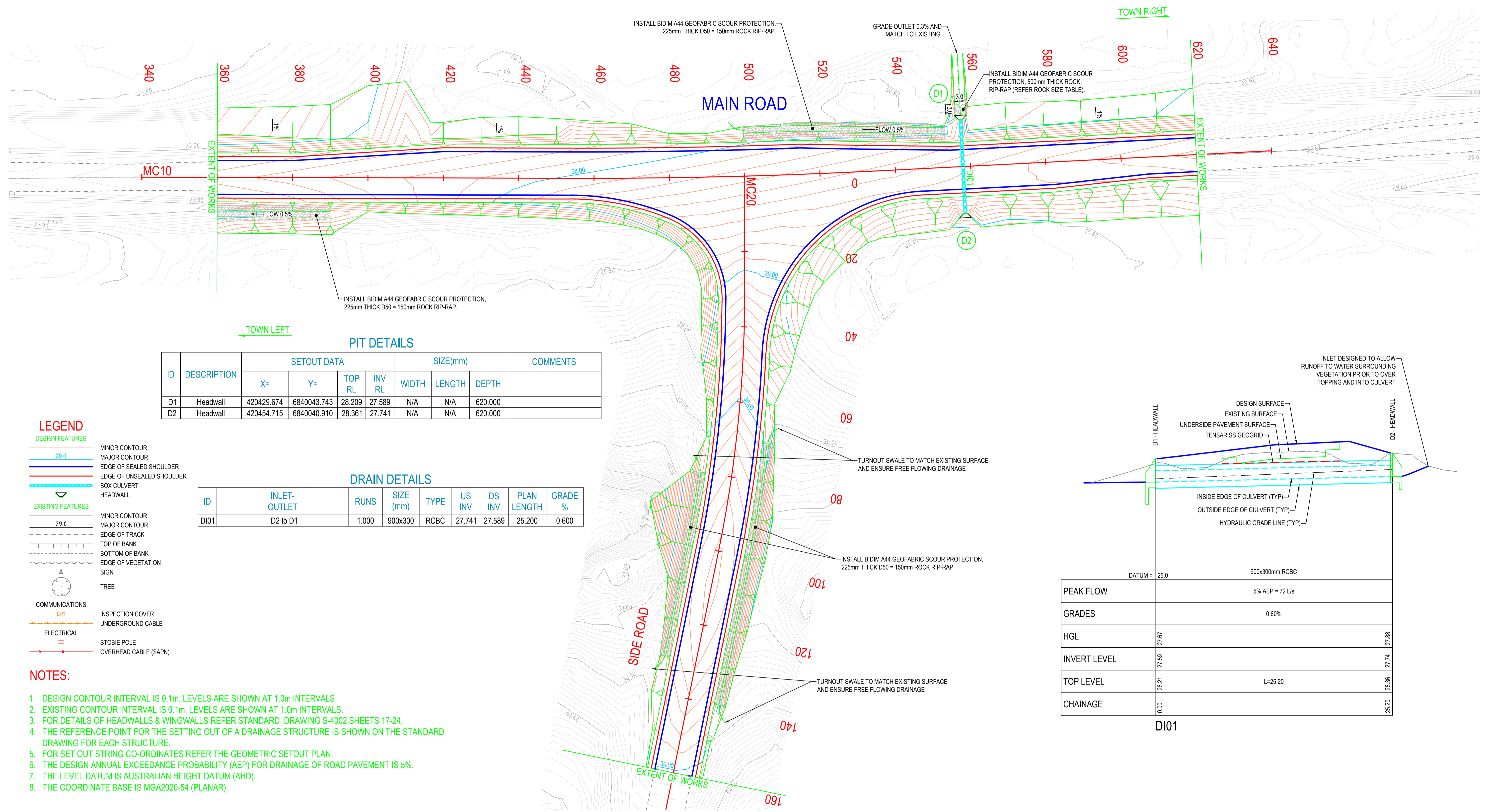
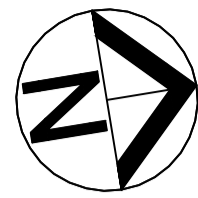
PROJECT END ROAD RUNNING DISTANCE:  
 MC10; CH 620 = RRD 153.88

SCALES:

Road No. 1234  
**MAIN ROAD**  
 JUNCTION; SIDE ROAD  
 MC10; CH 360 TO CH 620  
**GENERAL CONSTRUCTION**

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE	UNCONTROLLED COPY WHEN PRINTED	100 MILLIMETRES ON ORIGINAL DRAWING	ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE	DESIGNER ORG. <b>COMPANY LINE 1</b> <b>COMPANY LINE 2</b>	ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY	ACCEPTANCE FORM KNET No.: <b>12345678</b>	DRAWING No.: <b>1234</b>	SHEET No.: <b>5</b>	AMEND No.: <b>0</b>
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CAD FILE NAME: 1234 SHEET 0005.DWG



**PIT DETAILS**

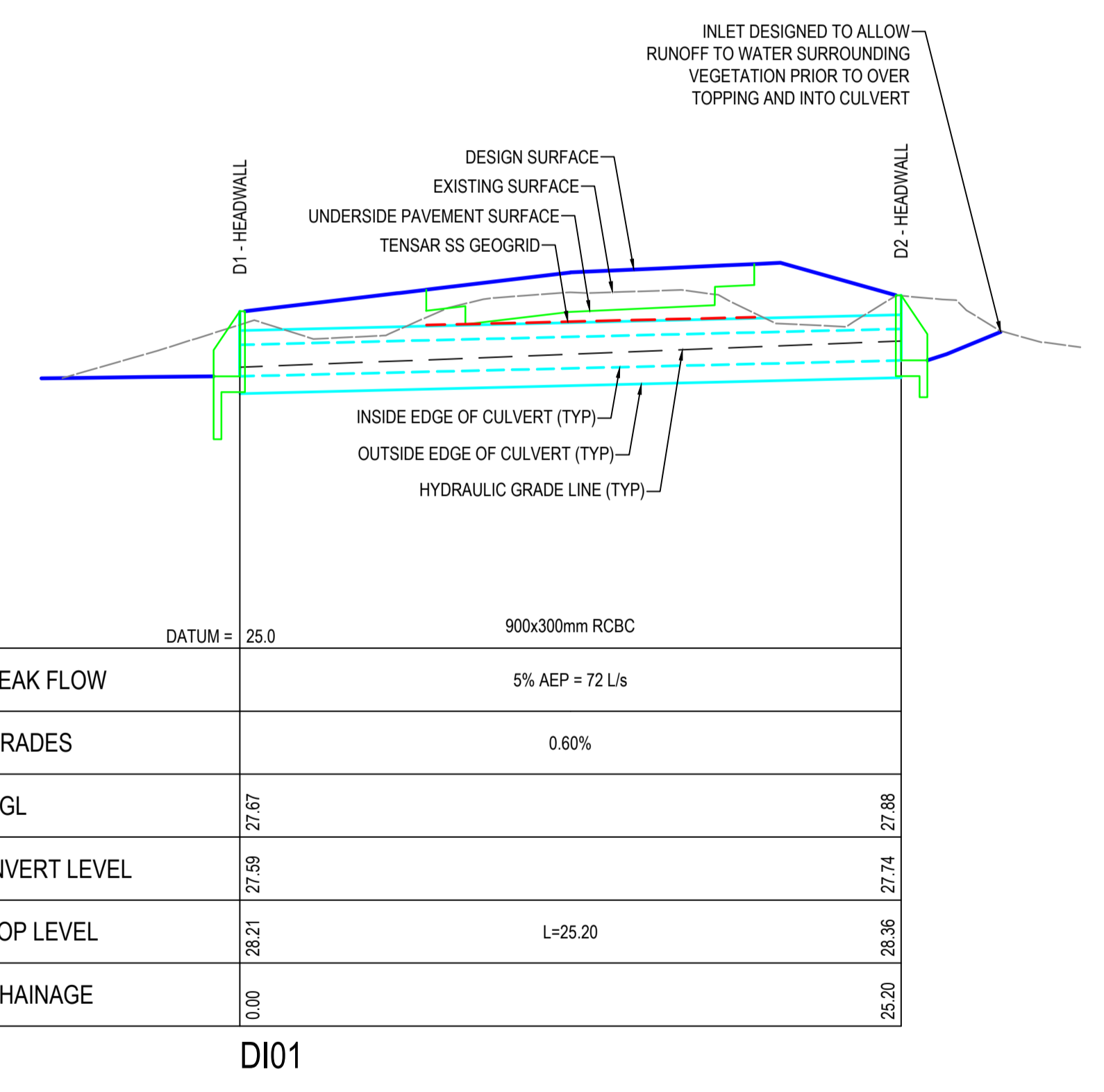
ID	DESCRIPTION	SETOUT DATA		SIZE(mm)			COMMENTS		
		X=	Y=	TOP RL	INV RL	WIDTH		LENGTH	DEPTH
D1	Headwall	420429.674	6840043.743	28.209	27.589	N/A	N/A	620.000	
D2	Headwall	420454.715	6840040.910	28.361	27.741	N/A	N/A	620.000	

**DRAIN DETAILS**

ID	INLET-OUTLET	RUNS	SIZE (mm)	TYPE	US INV	DS INV	PLAN LENGTH	GRADE %
DI01	D2 to D1	1.000	900x300	RCBC	27.741	27.589	25.200	0.600

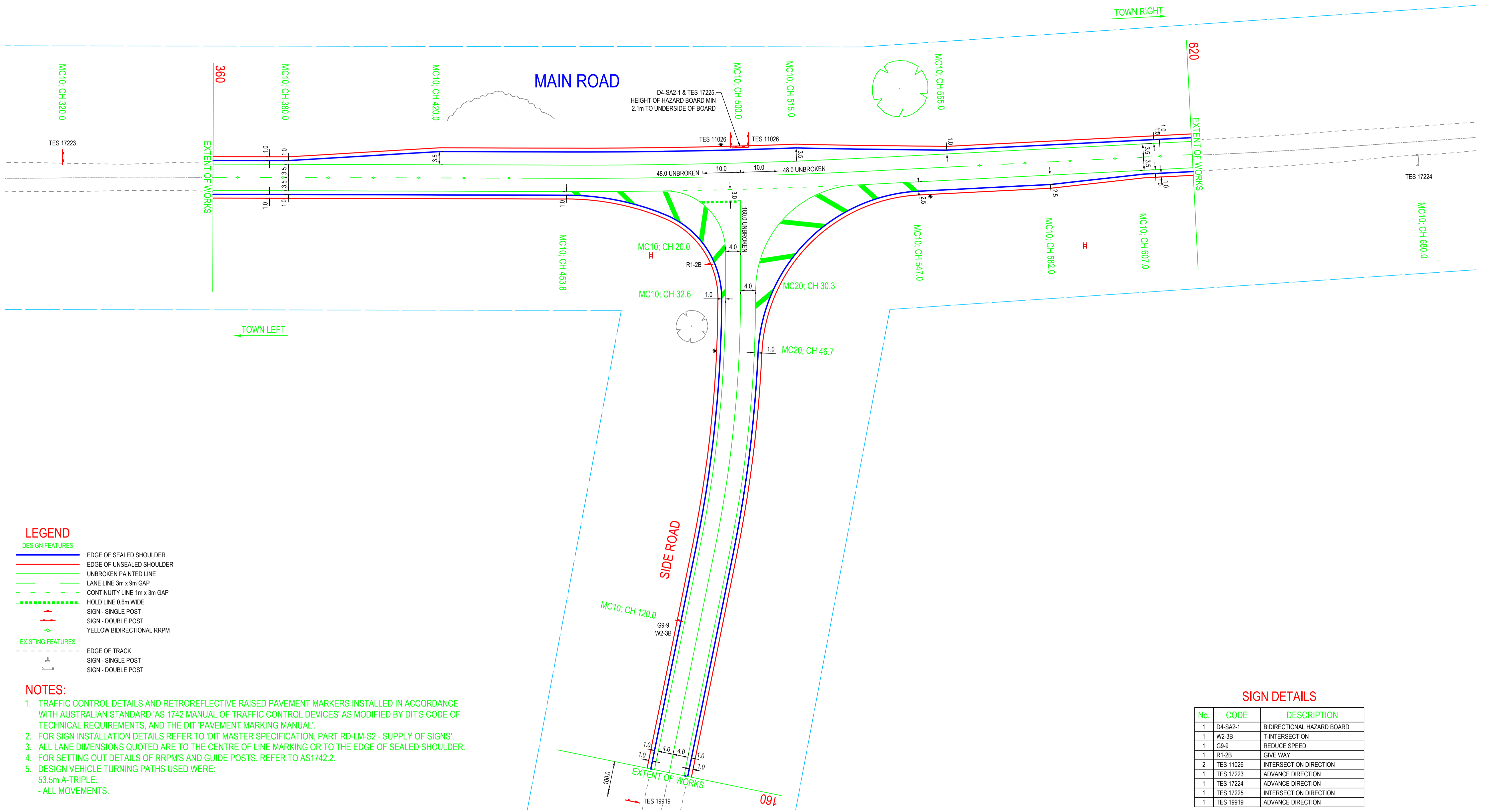
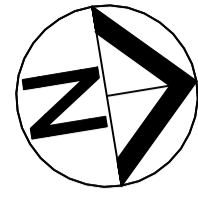
- LEGEND**
- DESIGN FEATURES**
- 29.0 MINOR CONTOUR
  - MAJOR CONTOUR
  - EDGE OF SEALED SHOULDER
  - EDGE OF UNSEALED SHOULDER
  - BOX CULVERT
  - HEADWALL
- EXISTING FEATURES**
- 29.0 MINOR CONTOUR
  - MAJOR CONTOUR
  - EDGE OF TRACK
  - TOP OF BANK
  - BOTTOM OF BANK
  - EDGE OF VEGETATION
  - SIGN
  - TREE
- COMMUNICATIONS**
- INSPECTION COVER
  - UNDERGROUND CABLE
  - ELECTRICAL
  - STOBIE POLE
  - OVERHEAD CABLE (SAPN)

- NOTES:**
- DESIGN CONTOUR INTERVAL IS 0.1m. LEVELS ARE SHOWN AT 1.0m INTERVALS.
  - EXISTING CONTOUR INTERVAL IS 0.1m. LEVELS ARE SHOWN AT 1.0m INTERVALS.
  - FOR DETAILS OF HEADWALLS & WINGWALLS REFER STANDARD DRAWING S-4002 SHEETS 17-24.
  - THE REFERENCE POINT FOR THE SETTING OUT OF A DRAINAGE STRUCTURE IS SHOWN ON THE STANDARD DRAWING FOR EACH STRUCTURE.
  - FOR SET OUT STRING CO-ORDINATES REFER THE GEOMETRIC SETOUT PLAN.
  - THE DESIGN ANNUAL EXCEEDANCE PROBABILITY (AEP) FOR DRAINAGE OF ROAD PAVEMENT IS 5%.
  - THE LEVEL DATUM IS AUSTRALIAN HEIGHT DATUM (AHD).
  - THE COORDINATE BASE IS MGA2020-54 (PLANAR).



INDEX SHEET REFERENCE: 1234 SHEET 1				DESIGNED <b>A. DESIGNED</b> Dip. Tech. Eng. DD.MM.YYYY		PROJECT No.: FILE No.:		<b>Road No. 1234 MAIN ROAD JUNCTION; SIDE ROAD MC10; CH 360 TO CH 620 STORMWATER AND CONTOURS</b>											
REVIEWER <b>B. CHECKED</b> Beng DD.MM.YYYY				GOVERNMENT OF SOUTH AUSTRALIA Department for Infrastructure and Transport		DESIGN No.: SURVEY No.:						DESIGNER ORG. COMPANY LINE 1 COMPANY LINE 2		ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY		ACCEPTANCE FORM KNET No.: <b>12345678</b>		DRAWING No.: <b>1234</b>	
QUALIFICATION DATE: INDEPENDENT DESIGN CERTIFIER (IF REQUIRED) <b>C. INDEPENDENT</b> Beng DD.MM.YYYY				PROJECT START ROAD RUNNING DISTANCE: <b>MC10; CH 360 = RRD 154.14</b>		PROJECT END ROAD RUNNING DISTANCE: <b>MC10; CH 620 = RRD 153.88</b>		SCALES: 10 0 5 10 15 20		IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725									
QUALIFICATION DATE: UNCONTROLLED COPY WHEN PRINTED				ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE		100 MILLIMETRES ON ORIGINAL DRAWING													

CAD FILE NAME: 1234 SHEET 0006.DWG



**LEGEND**

**DESIGN FEATURES**

- EDGE OF SEALED SHOULDER
- EDGE OF UNSEALED SHOULDER
- UNBROKEN PAINTED LINE
- LANE LINE 3m x 9m GAP
- CONTINUITY LINE 1m x 3m GAP
- HOLD LINE 0.6m WIDE
- SIGN - SINGLE POST
- SIGN - DOUBLE POST
- YELLOW BIDIRECTIONAL RRP

**EXISTING FEATURES**

- EDGE OF TRACK
- SIGN - SINGLE POST
- SIGN - DOUBLE POST

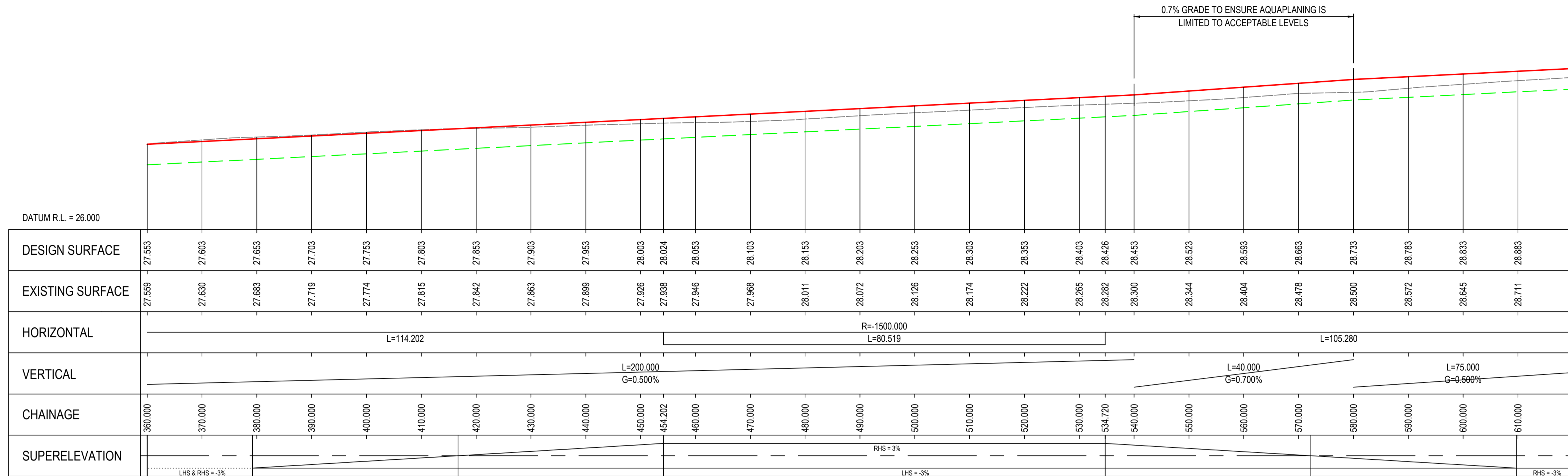
- NOTES:**
- TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF TRAFFIC CONTROL DEVICES' AS MODIFIED BY DIT'S CODE OF TECHNICAL REQUIREMENTS, AND THE DIT 'PAVEMENT MARKING MANUAL'.
  - FOR SIGN INSTALLATION DETAILS REFER TO 'DIT MASTER SPECIFICATION, PART RD-LM-S2 - SUPPLY OF SIGNS'.
  - ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE EDGE OF SEALED SHOULDER.
  - FOR SETTING OUT DETAILS OF RRPMS AND GUIDE POSTS, REFER TO AS1742.2.
  - DESIGN VEHICLE TURNING PATHS USED WERE:  
53.5m A-TRIPLE.  
- ALL MOVEMENTS.

**SIGN DETAILS**

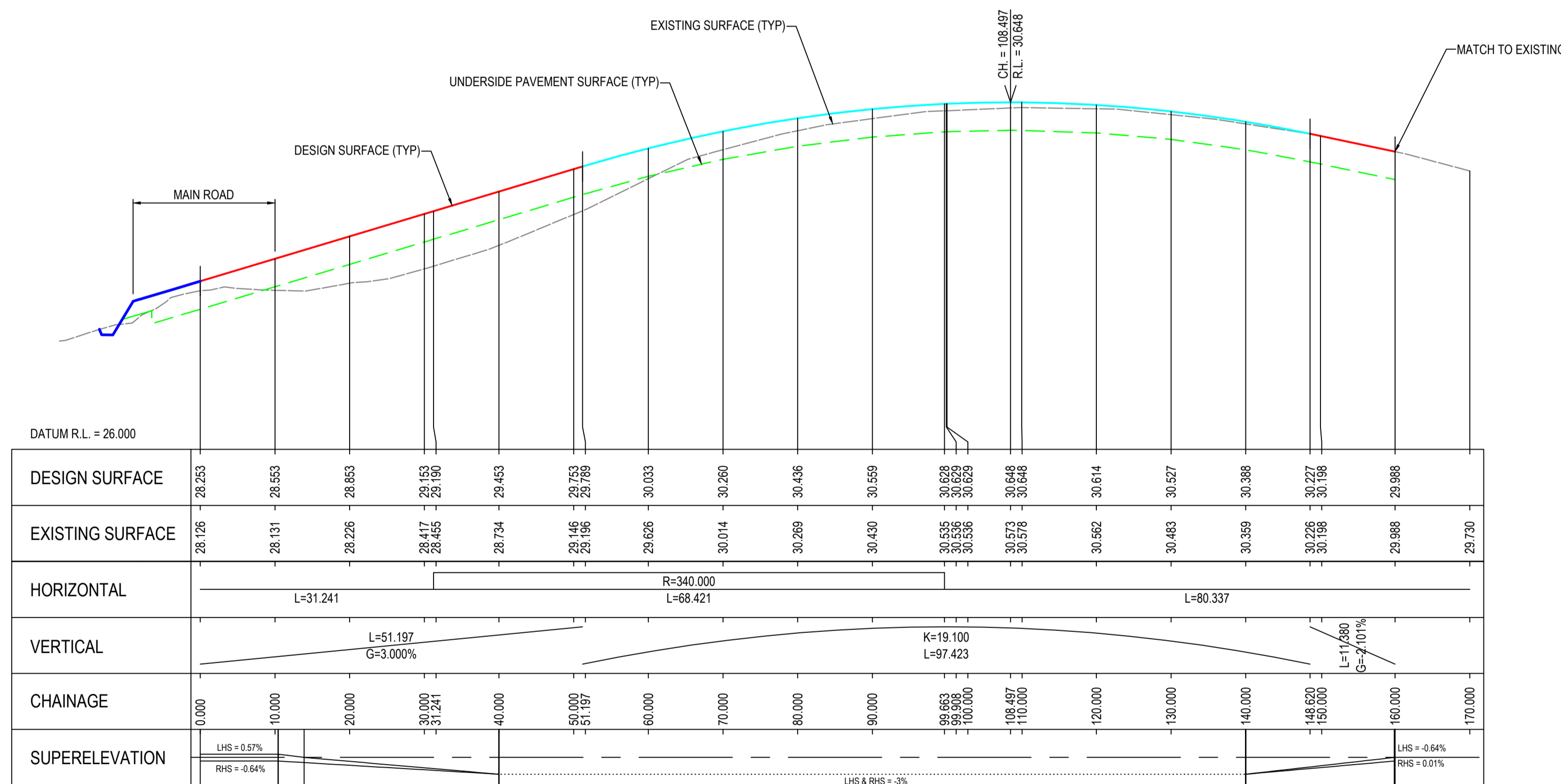
No.	CODE	DESCRIPTION
1	D4-SA2-1	BIDIRECTIONAL HAZARD BOARD
1	W2-3B	T-INTERSECTION
1	G9-9	REDUCE SPEED
1	R1-2B	GIVE WAY
2	TES 11026	INTERSECTION DIRECTION
1	TES 17223	ADVANCE DIRECTION
1	TES 17224	ADVANCE DIRECTION
1	TES 17225	INTERSECTION DIRECTION
1	TES 19919	ADVANCE DIRECTION

INDEX SHEET REFERENCE: 1234 SHEET 1				 DESIGNED: <b>A. DESIGNED</b> QUALIFICATION: Dip. Tech. Eng. DATE: DD.MM.YYYY REVIEWER: <b>B. CHECKED</b> QUALIFICATION: Beng DATE: DD.MM.YYYY INDEPENDENT DESIGN CERTIFIER (IF REQUIRED): <b>C. INDEPENDENT</b> QUALIFICATION: Beng DATE: DD.MM.YYYY		 <b>Government of South Australia</b> Department for Infrastructure and Transport		PROJECT No.: FILE No.: DESIGN No.: SURVEY No.: PROJECT START ROAD RUNNING DISTANCE: <b>MC10; CH 360 = RRD 154.14</b> PROJECT END ROAD RUNNING DISTANCE: <b>MC10; CH 620 = RRD 153.88</b>		<b>Road No. 1234          MAIN ROAD          JUNCTION; SIDE ROAD          MC10; CH 360 TO CH 620          TRAFFIC CONTROL</b>					
UNCONTROLLED COPY WHEN PRINTED				100 MILLIMETRES ON ORIGINAL DRAWING		ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE		SCALES: 		DESIGNER ORG. <b>COMPANY LINE 1</b> <b>COMPANY LINE 2</b>	ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY	ACCEPTANCE FORM KNET No.: <b>12345678</b> IN ACCORDANCE WITH DP013	DRAWING No.: <b>1234</b>	SHEET No.: <b>8</b>	AMEND No.: <b>0</b>
No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE	SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725 CAD FILE NAME: 1234 SHEET 0006.DWG									



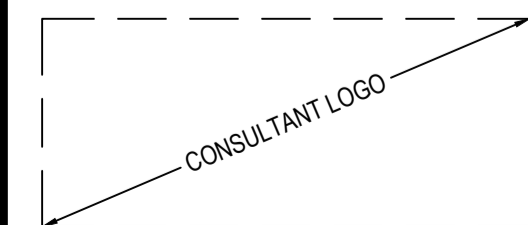


REFERENCE STRING MC10



REFERENCE STRING MC20

INDEX SHEET REFERENCE: 1234 SHEET 1



DESIGNED  
A. DESIGNED  
Dip. Tech. Eng.  
DD.MM.YYYY

REVIEWER  
B. CHECKED  
Beng  
DD.MM.YYYY

INDEPENDENT DESIGN CERTIFIER (IF REQUIRED)  
C. INDEPENDENT  
Beng  
DD.MM.YYYY



PROJECT No.: FILE No.:

DESIGN No.: SURVEY No.:

PROJECT START ROAD RUNNING DISTANCE:  
MC10; CH 360 = RRD 154.14

PROJECT END ROAD RUNNING DISTANCE:  
MC10; CH 620 = RRD 153.88

SCALES:  
10 0 5 10 15 20 H  
1 0 0.5 1 1.5 2 V

Road No. 1234  
MAIN ROAD  
JUNCTION; SIDE ROAD  
MC10; CH 360 TO CH 620 & MC20; CH 0 TO CH 180  
LONGITUDINAL SECTIONS

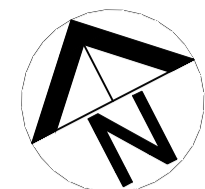
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COMPANY LINE 1 D. ACCEPT 12345678 1234 9 0  
COMPANY LINE 2 TITLE: PROJECT MANAGER DATE: DD.MM.YYYY IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725

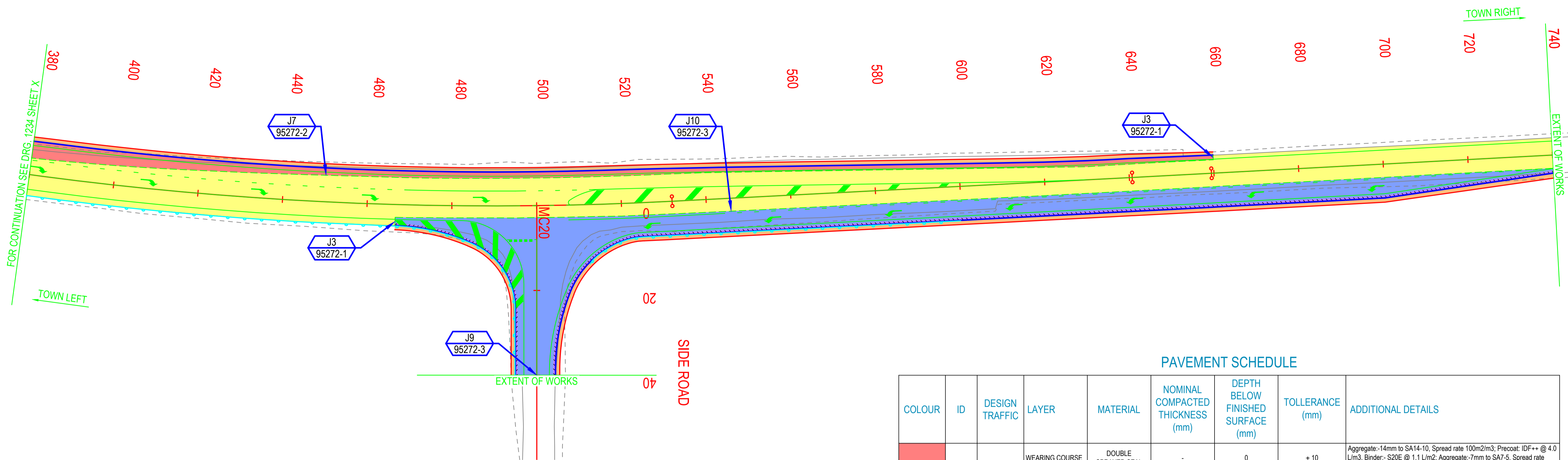
No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
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CAD FILE NAME: 1234 SHEET 0009.DWG



# MAIN ROAD



### NOTES:

- FOR TYPICAL JOINTING DETAILS REFER TO STANDARD DRAWING 95272 SHEETS 1 - 3 (LAYER CONFIGURATIONS MAY VARY).
- THE LINE MARKING SHOWN HAS BEEN USED TO DETERMINE THE PAVEMENT TREATMENT CONFIGURATION AT TIME OF DESIGN. 'AS CONSTRUCTED' OR FUTURE MODIFICATIONS MADE TO THE LINE MARKING SCHEME MAY NOT BE ACCURATELY REPRESENTED ON THIS DRAWING.

### ABBREVIATIONS:

- (k&g) Kerb and gutter locations only.
- L/m<sup>2</sup> Litres per square metre.
- IDF++ 100parts IDF, 30 parts C170, 1.5 parts approved adhesion additive
- (1) Tack Coat (CRS60 @ 0.2 L/m<sup>2</sup> residual) to be applied in accordance with RD-BP-C3 "Construction of Asphalt Pavement" or as directed by the Superintendent.
- (2) Spray rates are nominal values only and may vary due to stone ALD, surface texture, weather conditions, etc. Rates are to be verified by the Superintendent prior to application.
- (3) Asphalt mixes with standard binder types reflects the design viscosity recommended. However, for mixes including aged binder from RAP, softer binder may be required to achieve the target viscosity.

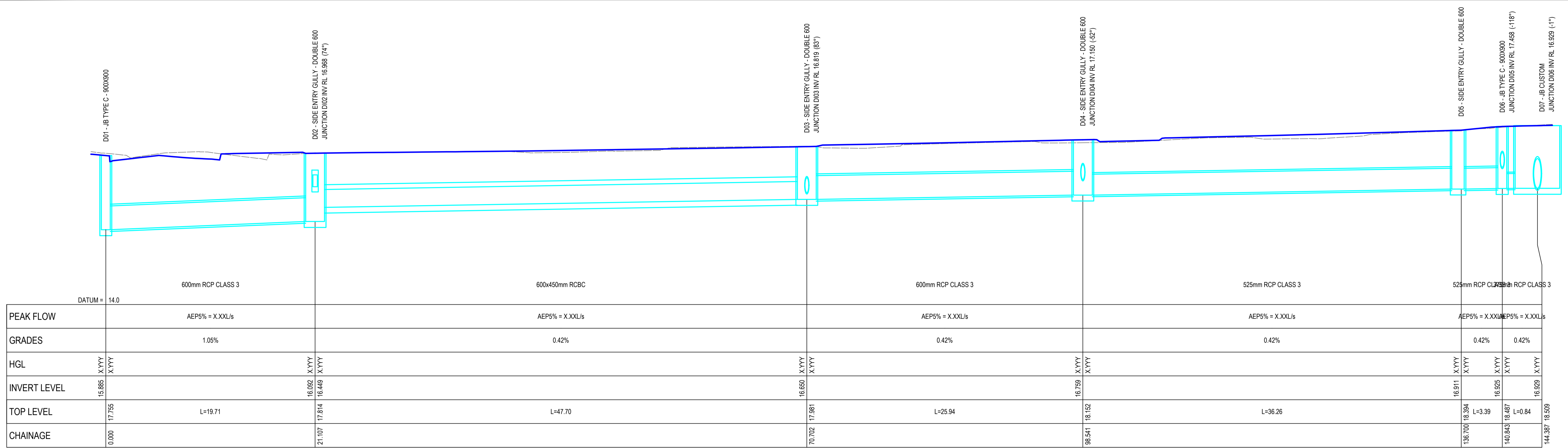
### PAVEMENT SCHEDULE

COLOUR	ID	DESIGN TRAFFIC	LAYER	MATERIAL	NOMINAL COMPACTED THICKNESS (mm)	DEPTH BELOW FINISHED SURFACE (mm)	TOLERANCE (mm)	ADDITIONAL DETAILS
Red	TYPE 1	6.11E+06	WEARING COURSE	DOUBLE SPRAYED SEAL	-	0	± 10	Aggregate:-14mm to SA14-10, Spread rate 100m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 1.1 L/m <sup>2</sup> , Aggregate:-7mm to SA7-5, Spread rate 170m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 0.8 L/m <sup>2</sup> Application Rate @ 1 L/m <sup>2</sup>
			PRIME	AMC0				
			BASECOURSE	PM1/20QG	150	-150	± 15	
			BASECOURSE 2	PM1/20QG	150	-300	± 15	
			SUBBASE	PM2/20QG	150	-450	+0, -40	
			PREPARED SUBGRADE					
Blue	TYPE 2	9.16E+05	WEARING COURSE	DOUBLE SPRAYED SEAL	-	0	± 10	Aggregate:-14mm to SA14-10, Spread rate 100m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 1.1 L/m <sup>2</sup> , Aggregate:-7mm to SA7-5, Spread rate 170m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 0.8 L/m <sup>2</sup> Application Rate @ 1 L/m <sup>2</sup>
			PRIME	AMC0				
			BASECOURSE	PM1/20QG	150	-150	± 15	
			SUBBASE	PM2/20QG	100	-250	± 15	
			SUBBASE	PM2/20QG	100	-350	+0, -40	
			PREPARED SUBGRADE					
Purple	TYPE 3	3.05E+05	WEARING COURSE	DOUBLE SPRAYED SEAL	-	0	± 10	Aggregate:-14mm to SA14-10, Spread rate 100m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 1.1 L/m <sup>2</sup> , Aggregate:-7mm to SA7-5, Spread rate 170m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 0.8 L/m <sup>2</sup> Application Rate @ 1 L/m <sup>2</sup>
			PRIME	AMC0				
			BASECOURSE	PM1/20QG	150	-150	± 15	
			SUBBASE	PM2/20QG	165	-315	+0, -40	
						PREPARED SUBGRADE		
Orange	TYPE 4	-	BASECOURSE	PM2/20QG	150	-150	± 10	Minimum PI of 6%
			SUBBASE	PM2/20QG	165	-315	+0, -40	
						PREPARED SUBGRADE		
Yellow	TYPE 5	-	WEARING COURSE	DOUBLE SPRAYED SEAL	-	0	± 10	Aggregate:-14mm to SA14-10, Spread rate 100m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 1.1 L/m <sup>2</sup> , Aggregate:-7mm to SA7-5, Spread rate 170m <sup>2</sup> /m <sup>3</sup> ; Precoat: IDF++ @ 4.0 L/m <sup>3</sup> , Binder:- S20E @ 0.8 L/m <sup>2</sup>

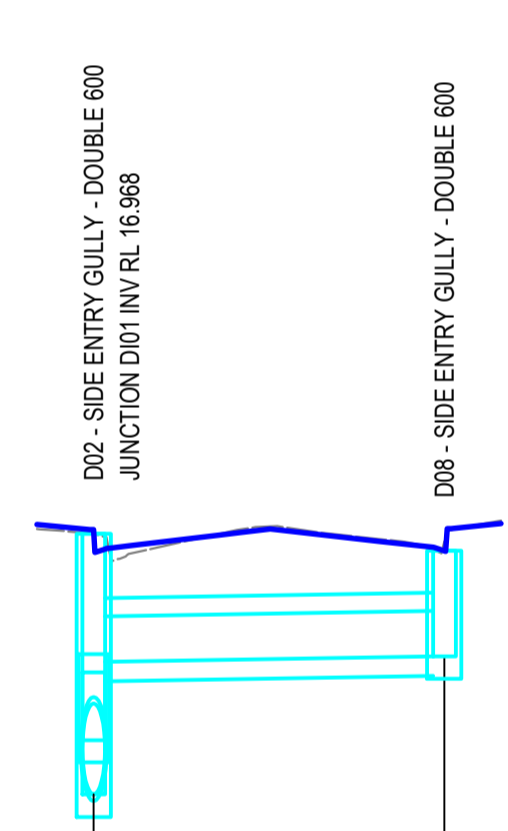
INDEX SHEET REFERENCE: 1234 SHEET 1						<b>DESIGNED</b> <b>A. DESIGNED</b> Dip. Tech. Eng. DD.MM.YYYY				PROJECT No.: _____ FILE No.: _____ DESIGN No.: _____ SURVEY No.: _____ PROJECT START ROAD RUNNING DISTANCE: <b>MC10; CH 360 = RRD 154.14</b> PROJECT END ROAD RUNNING DISTANCE: <b>MC10; CH 620 = RRD 153.88</b>		<b>Road No. 1234</b> <b>MAIN ROAD</b> <b>JUNCTION; SIDE ROAD</b> <b>MC10; CH 380 TO CH 740</b> <b>PAVEMENT TREATMENT</b>					
UNCONTROLLED COPY WHEN PRINTED				100 MILLIMETRES ON ORIGINAL DRAWING		ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE				DESIGNER ORG. <b>COMPANY LINE 1</b> COMPANY LINE 2		ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY		ACCEPTANCE FORM KNET No.: 12345678 DRAWING No.: 1234		SHEET No.: 9 AMEND No.: 0	
IN ACCORDANCE WITH DP013 SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725																	

CAD FILE NAME: 1234 SHEET 0009.DWG



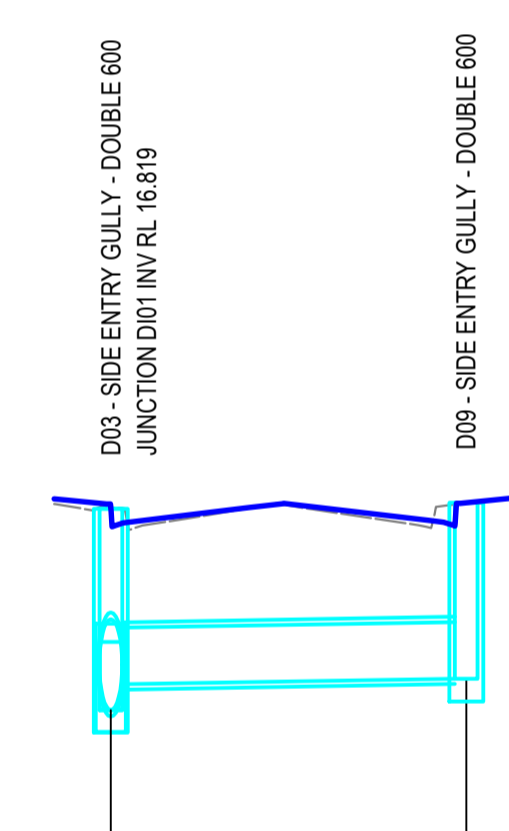


DI01



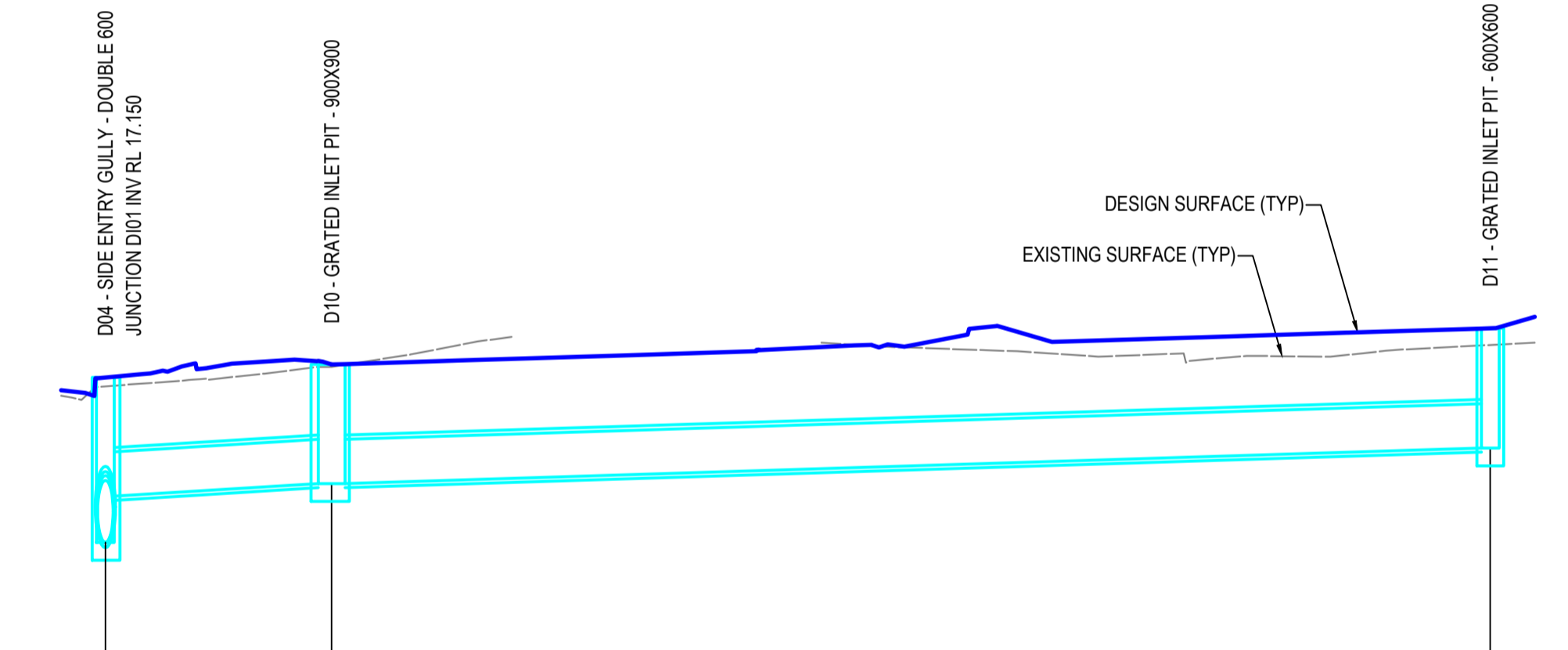
PEAK FLOW	GRADES	HGL	INVERT LEVEL	TOP LEVEL	CHAINAGE
AEP5% = X.XXL/s	0.42%	X.YYY X.YYY	16.092 16.968	17.814	0.000
AEP5% = X.XXL/s	0.42%	X.YYY X.YYY	16.968 17.005	L=8.68	9.277

DI02



PEAK FLOW	GRADES	HGL	INVERT LEVEL	TOP LEVEL	CHAINAGE
AEP5% = X.XXL/s	0.42%	X.YYY X.YYY	16.650 16.819	17.981	0.000
AEP5% = X.XXL/s	0.42%	X.YYY X.YYY	16.819 16.856	L=8.80	9.404

DI03



PEAK FLOW	GRADES	HGL	INVERT LEVEL	TOP LEVEL	CHAINAGE
AEP5% = X.XXL/s	1.54%	X.YYY X.YYY	16.759 17.150	18.152	0.000
AEP5% = X.XXL/s	0.78%	X.YYY X.YYY	17.256 18.263	L=38.42	7.650
AEP5% = X.XXL/s		X.YYY X.YYY	17.557 17.557		46.824

DI04

- NOTES:**
- FOR JUNCTION BOX AND SIDE ENTRY GULLY DETAILS, REFER TO STANDARD DRAWING S-4080 SHEETS 1, 2 & 3.
  - FOR DETAILS OF HEADWALLS & WINGWALLS REFER STANDARD DRAWING S-4002 SHEETS 17-24.
  - FOR GRATED FIELD PIT REFER TO STANDARD DRAWING No. S-4080 SHEET 6.
  - PIPE LENGTHS REFER TO PLAN DISTANCES BETWEEN STRUCTURES, TRUE 3D LENGTH SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
  - THE REFERENCE POINT FOR THE SETTING OUT OF A DRAINAGE STRUCTURE IS SHOWN ON THE STANDARD DRAWING FOR EACH STRUCTURE.
  - RC PIPE CLASSES HAVE BEEN SELECTED FOR A160/M1600 TRAFFIC LOADS. ASSUMING INSTALLATION WILL EQUATE TO TYPE HS2 AS DEFINED IN AUSTRALIAN STANDARD AS 3725, PIPE CLASS SHOULD BE CONFIRMED FOLLOWING CONSIDERATION OF CONSTRUCTION VEHICLE LOADING.
  - FOR SET OUT STRING CO-ORDINATES REFER THE GEOMETRIC SETOUT PLAN.
  - THE DESIGN ANNUAL EXCEEDANCE PROBABILITY (AEP) FOR DRAINAGE OF ROAD PAVEMENT IS 5%.
  - THE LEVEL DATUM IS AUSTRALIAN HEIGHT DATUM (AHD).
  - THE COORDINATE BASE IS MGA2020-54 (PLANAR).

INDEX SHEET REFERENCE: 1234 SHEET 1				DESIGNED <b>A. DESIGNED</b> Dip. Tech. Eng. DD.MM.YYYY		PROJECT No.: FILE No.:		Road No. 1234 <b>MAIN ROAD</b> JUNCTION; SIDE ROAD DI09 AND DI21 <b>DRAINAGE LONGITUDINAL SECTIONS</b>											
REVIEWER <b>B. CHECKED</b> Beng DD.MM.YYYY				GOVERNMENT OF SOUTH AUSTRALIA Department for Infrastructure and Transport		DESIGN No.: SURVEY No.:						DESIGNER ORG. <b>COMPANY LINE 1</b> <b>COMPANY LINE 2</b>		ACCEPTED FOR USE: <b>D. ACCEPT</b> TITLE: PROJECT MANAGER DATE: DD.MM.YYYY		ACCEPTANCE FORM KNET No.: <b>12345678</b>		DRAWING No.: <b>1234</b>	
QUALIFICATION DATE: INDEPENDENT DESIGN CERTIFIER (IF REQUIRED) <b>C. INDEPENDENT</b> Beng DD.MM.YYYY				QUALIFICATION DATE: INDEPENDENT DESIGN CERTIFIER (IF REQUIRED) <b>C. INDEPENDENT</b> Beng DD.MM.YYYY		PROJECT START ROAD RUNNING DISTANCE: <b>MC10; CH 360 = RRD 154.14</b>		PROJECT END ROAD RUNNING DISTANCE: <b>MC10; CH 620 = RRD 153.88</b>		SCALES: 4 0 2 4 6 8 H 1 0 0.5 1 1.5 2 V		IN ACCORDANCE WITH DP013		SHEET LATITUDE -34.924599 SHEET LONGITUDE 138.602725		CAD FILE NAME: 1234 SHEET 003.DWG			
UNCONTROLLED COPY WHEN PRINTED				100 MILLIMETRES ON ORIGINAL DRAWING		ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE													

