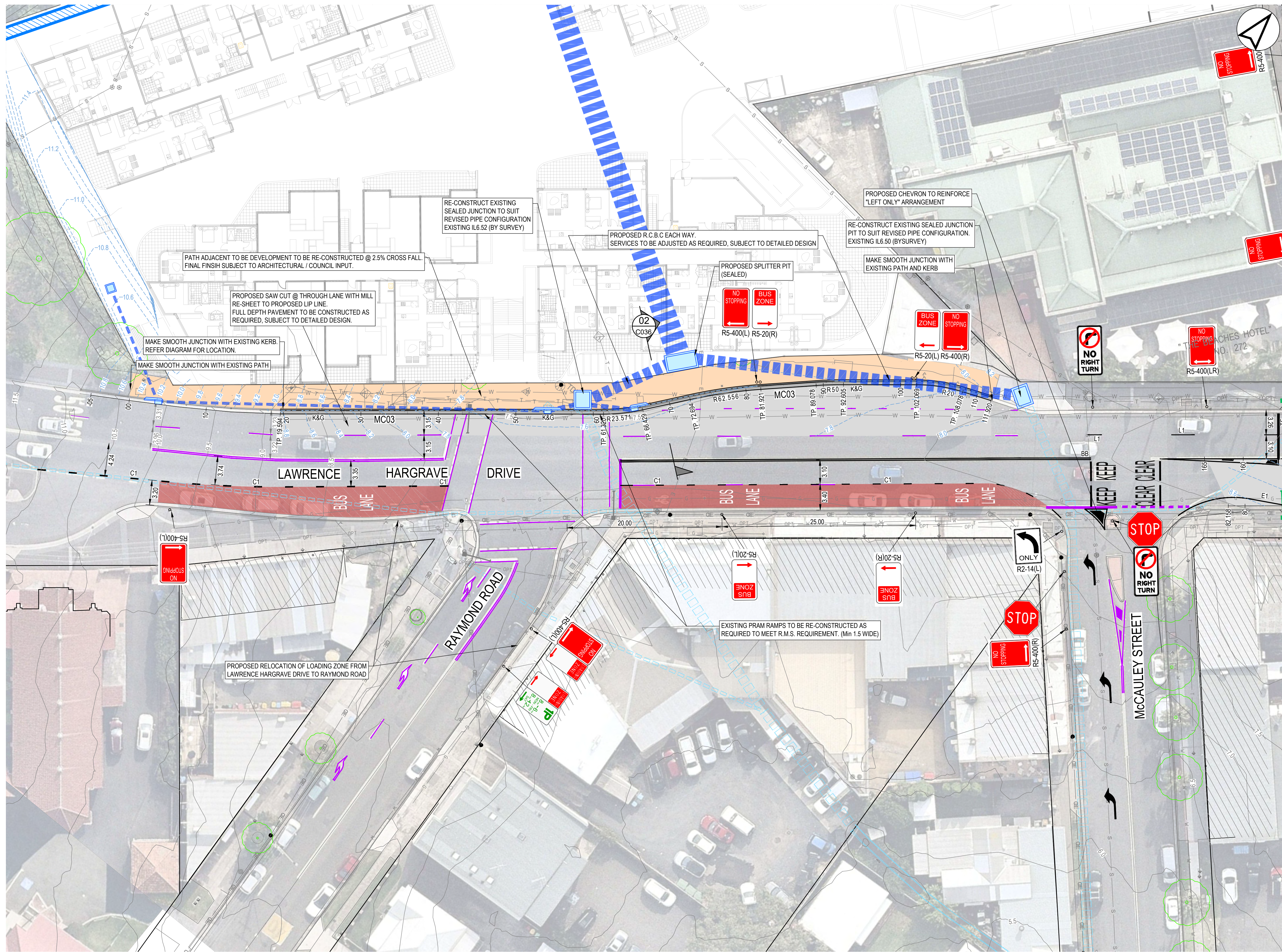




LEGEND

CIVIL

PAVEMENT

PROPOSED FOOTPATH
(FINISH SUBJECT TO
ARCHITECTURAL FEEDBACK)

7.0

CONTOURS (0.5m)

K&G

KERB & GUTTER

PRAM RAMP (RMS SPEC)

STORMWATER PIPES

STORMWATER
STRUCTURES

APPROX LANTERN
(TBC BY OTHERS)

LINE MARKING

(REFER CODE)

PROPOSED LINE MARKING

EXISTING LINE MARKING TO REMAIN

PAINTED BUS LANE

EXISTING

STORMWATER PIPES (LOCATED)

STORMWATER PIPES (W.C.C.)

7.0

CONTOURS (0.5m)

S

SEWER

W

WATER

T

TELECOM.

OPT

OPTUS

G

GAS

E

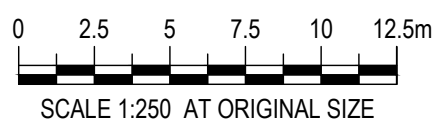
ELECTRICAL

OE

OVERHEAD ELECTRICAL

EXISTING LANTERN

REV	DATE	DESCRIPTION	AMD BY	APP BY
5	05.07.22	ADDED BUS LANE, MOVED LOADING ZONE	SW	MR
4	23.06.22	REMOVED BOLLARDS AND ASSOCIATED SERVICE ADJUSTMENTS	SW	MR
3	25.02.22	AMENDED LEGEND	SW	MR
2	23.11.21	REISSUE FOR AMENDED BOLLARD EXTENT/STRAT	SW	MR
1	19.05.21	ISSUED FOR APPROVAL	SW	MR



DRAWN: SJW	DESIGNED: SJW
DRAFT CHECK:	DESIGN CHECK:
APPROVED:	
FOR APPROVAL	

THIRROUL PLAZA
PUBLIC DOMAIN WORKS
GENERAL ARRANGEMENT PLAN
SHEET 2 OF 2

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
ISC00115-30-C011		A1	5

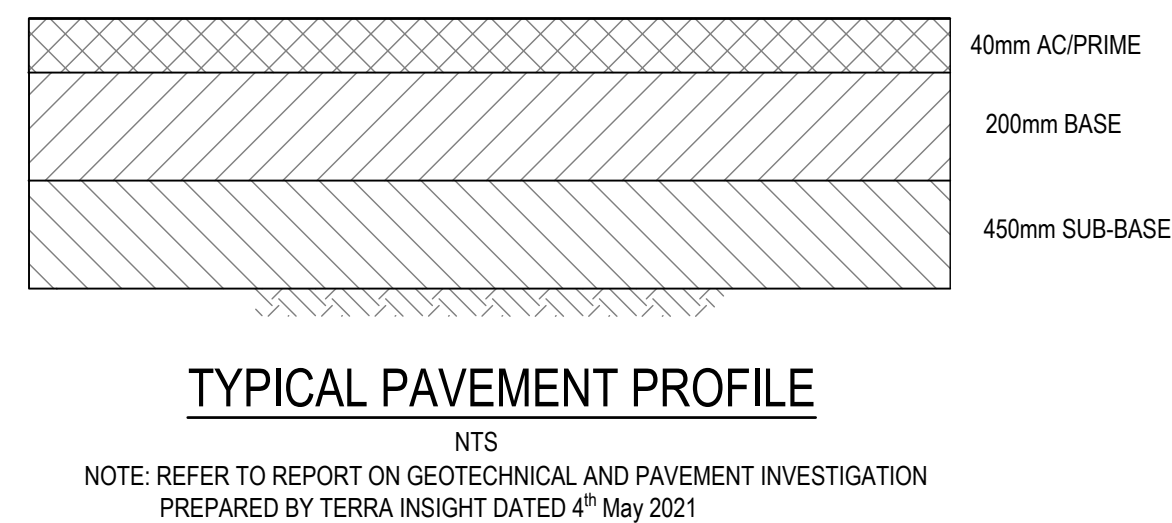
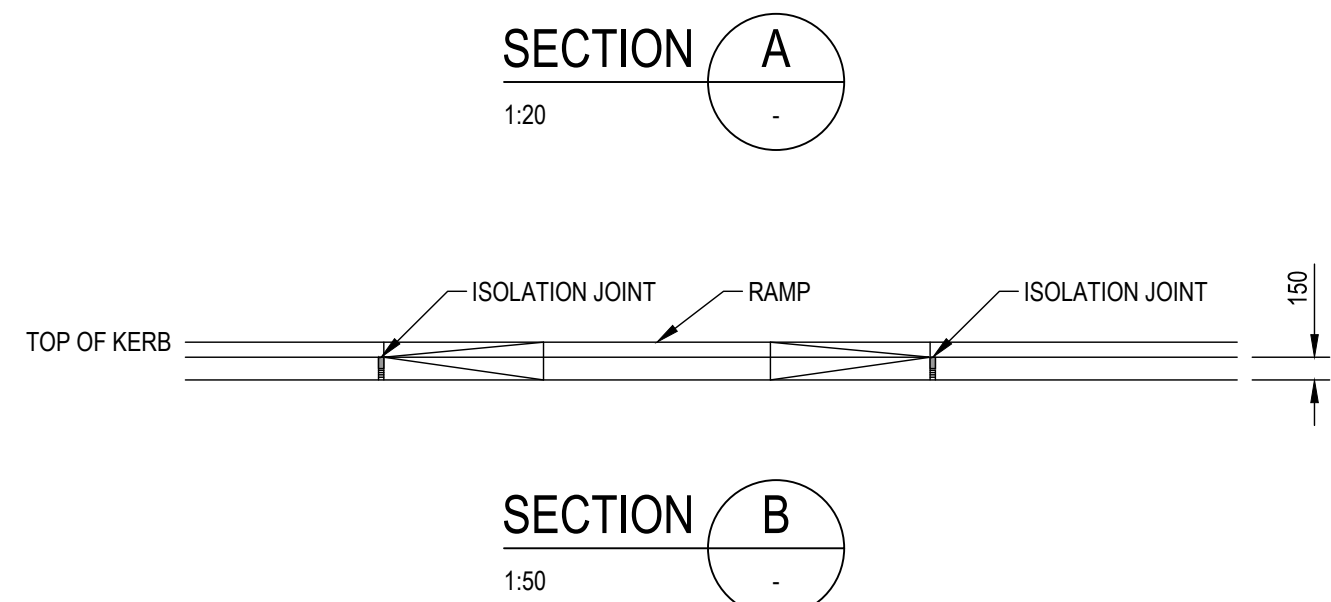
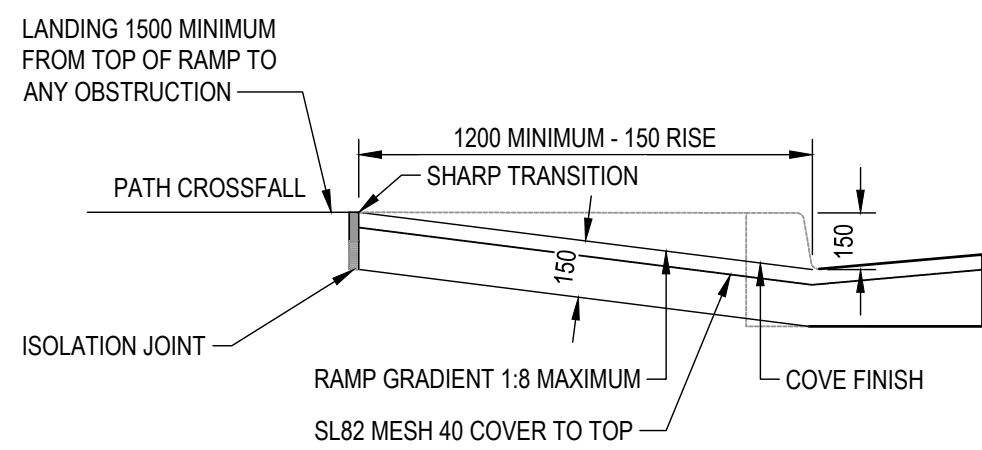
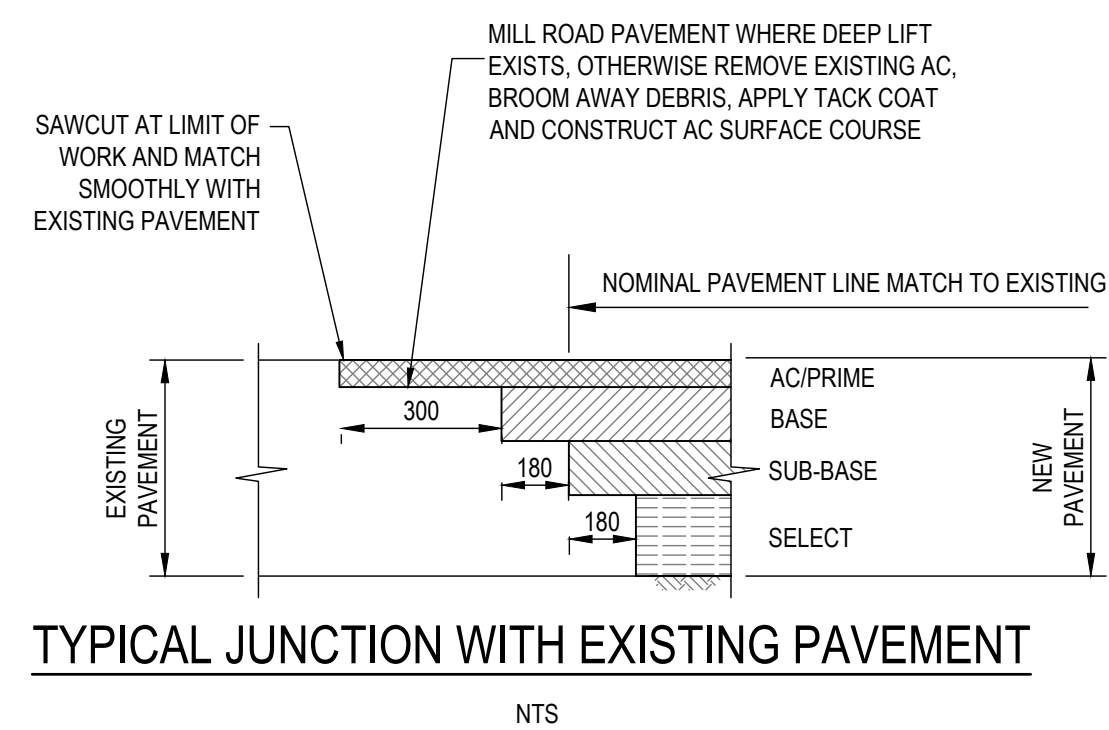
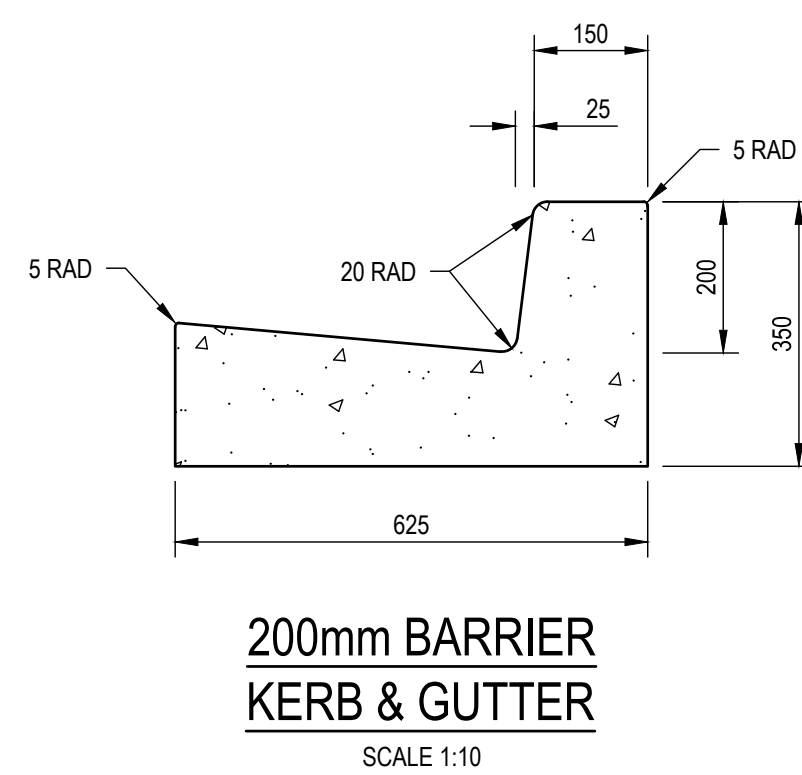
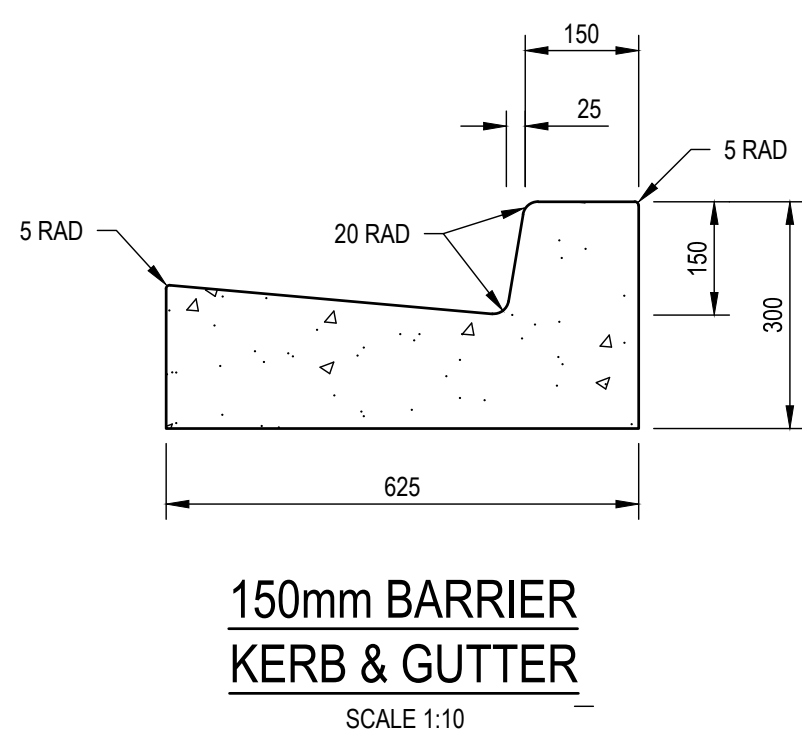
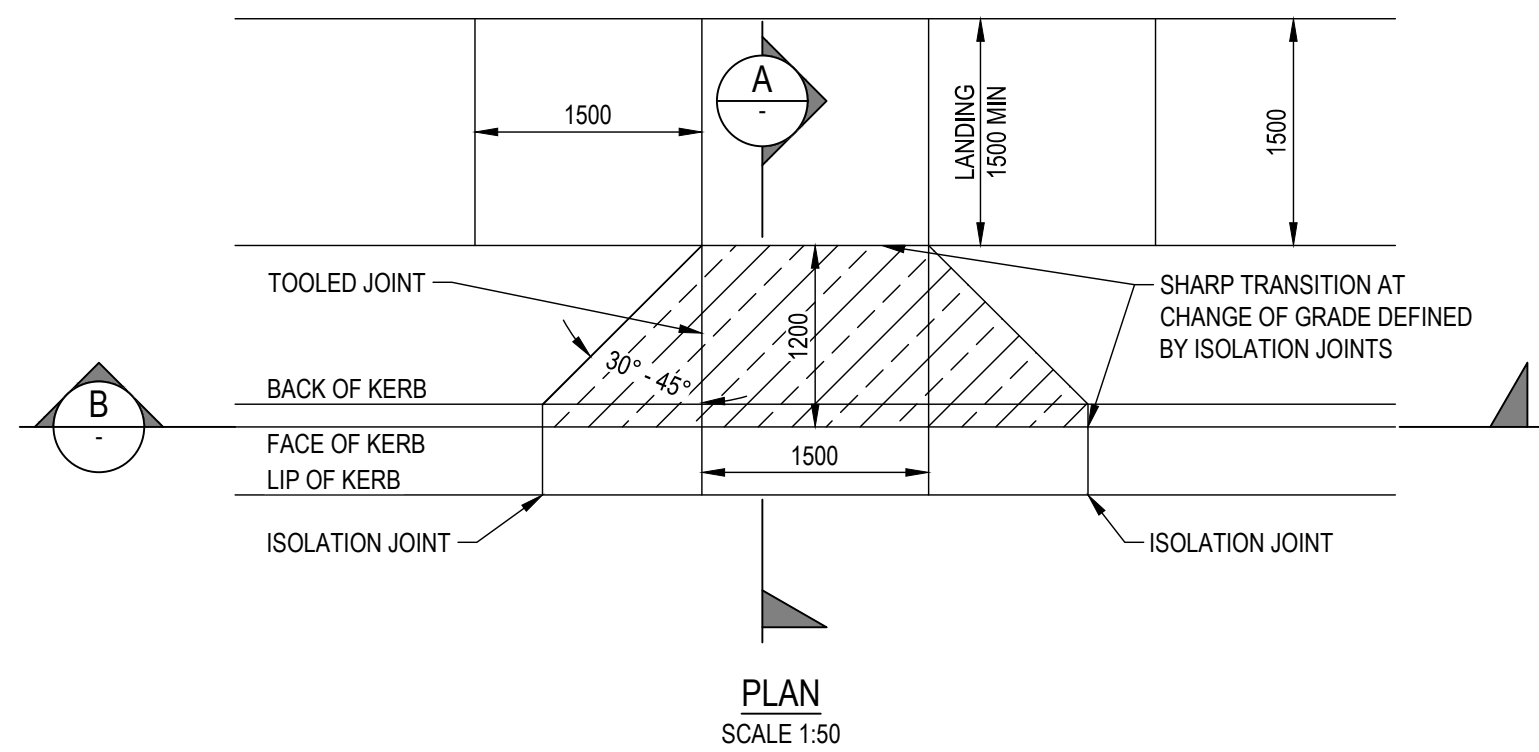


DIAGRAM - MC03 KERB RE-CONSTRUCTION

GENERAL CONSTRUCTION NOTES

- ALL KERB RAMPS ARE TO BE CONSTRUCTED IN CONCRETE (MINIMUM 25 MPa) OF A CONTRASTING COLOUR TO ADJACENT PAVEMENT
 - IF FOOTPATH IS BRICK PAVING, OR COLOURED CONCRETE THE RAMP SHALL BE PLAIN CONCRETE
 - IF FOOTPATH IS PLAIN CONCRETE, THE RAMP SHALL BE COLOURED (SAHARA) YELLOW
- THE GUTTER SECTION OF KERB RAMP IS TO REMAIN PLAIN CONCRETE AND IS NOT TO BE COLOURED UNDER ANY CIRCUMSTANCES
- ALL KERB RAMPS ARE TO BE ALIGNED WITH THE DIRECTION OF PEDESTRIAN TRAVEL. THE TOP OF RAMP SHALL BE CONSTRUCTED PARALLEL TO THE KERB LINE
- THE RAMP SHALL BE DEFINED BY SHARP TRANSITION JOINTS/CHANGES IN GRADE THAT WILL DIRECT PEDESTRIANS ALONG THE LINE OF THE CROSSING TOWARDS THE RAMP ON THE OPPOSITE KERB. THE CHANGE IN GRADE BETWEEN THE WINGS AND RAMP SHALL BE DEFINED BY A TOOLED JOINT ONLY.
- ISOLATION JOINTS TO BE PROVIDED WHERE ENDS OF KERB RAMP ABUTS KERB AND GUTTER OR FOOTPATH

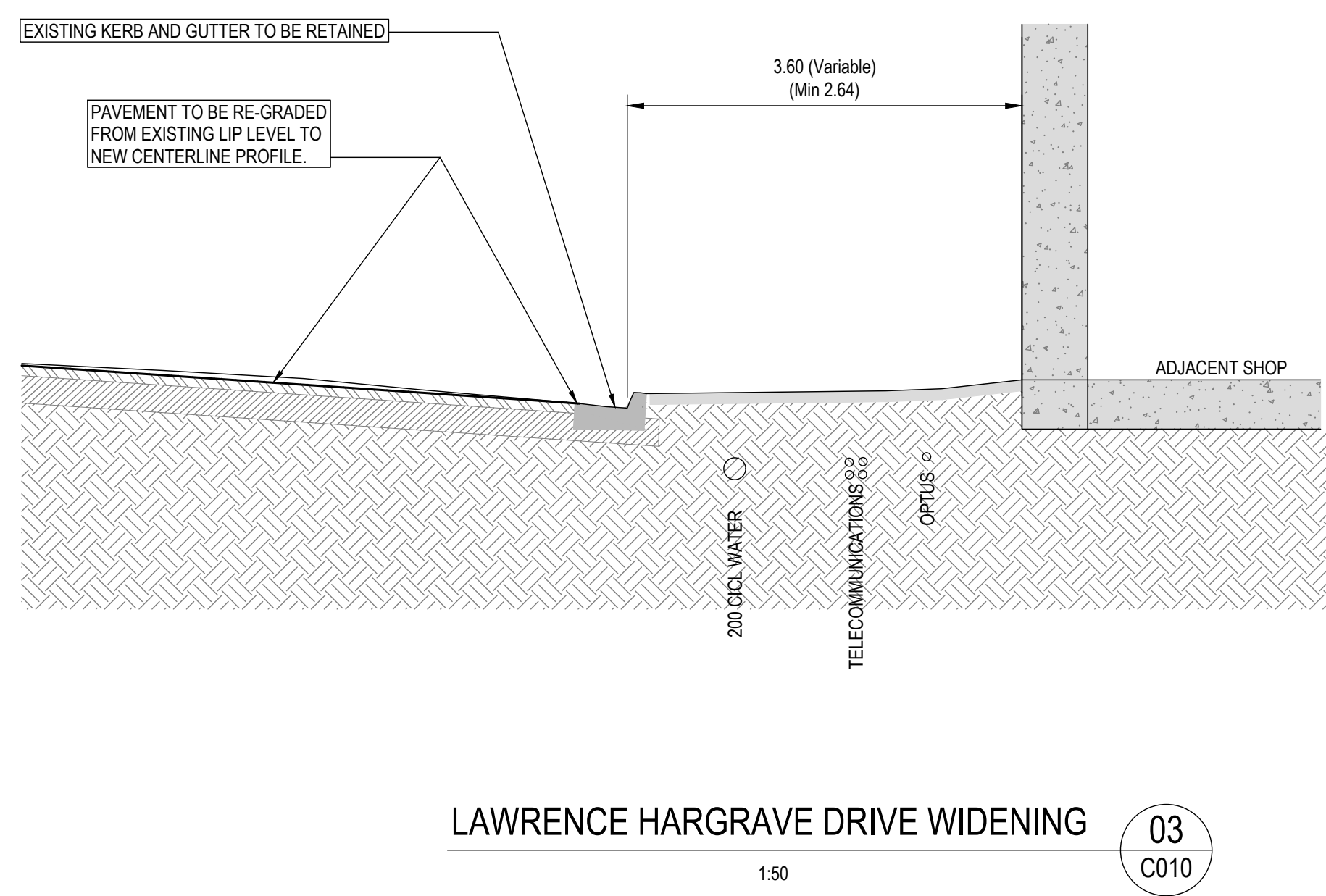
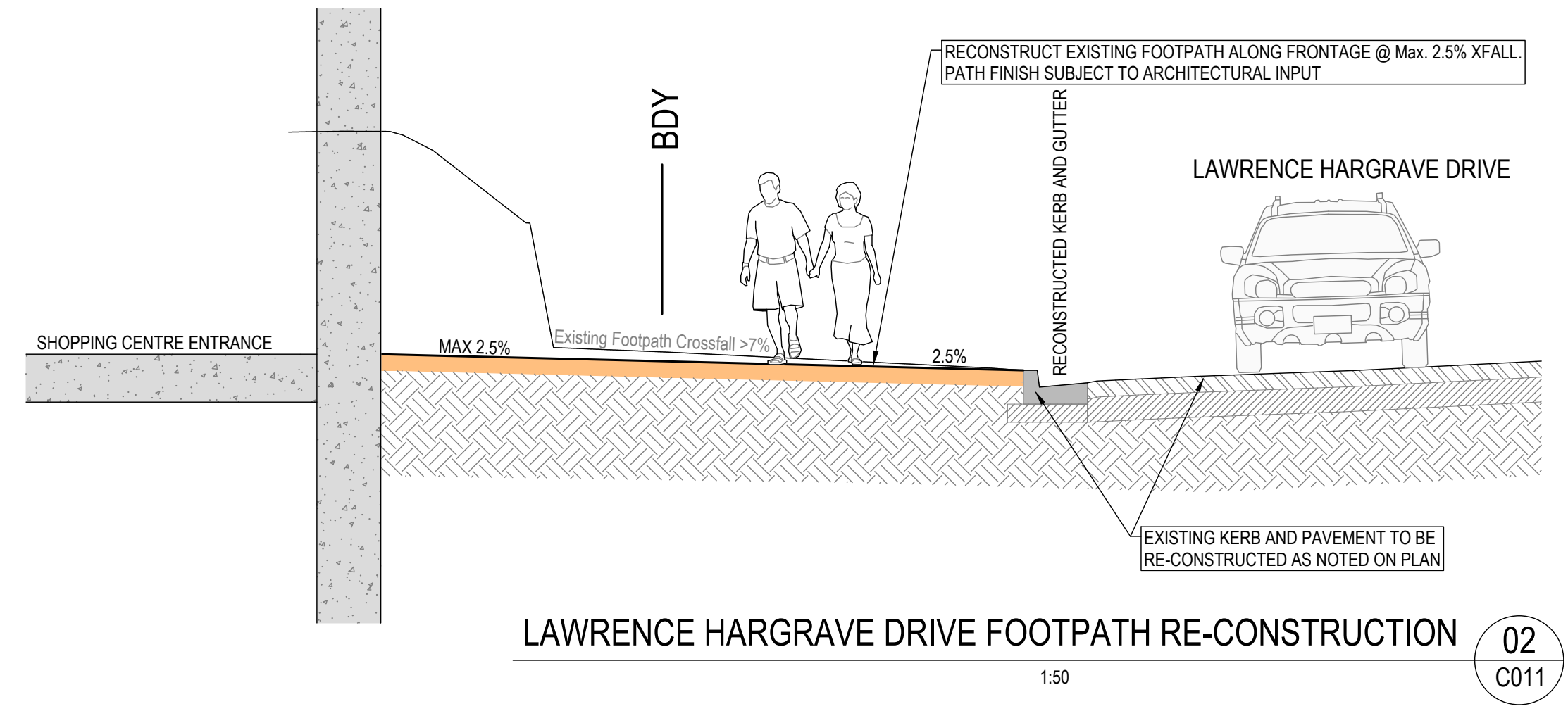
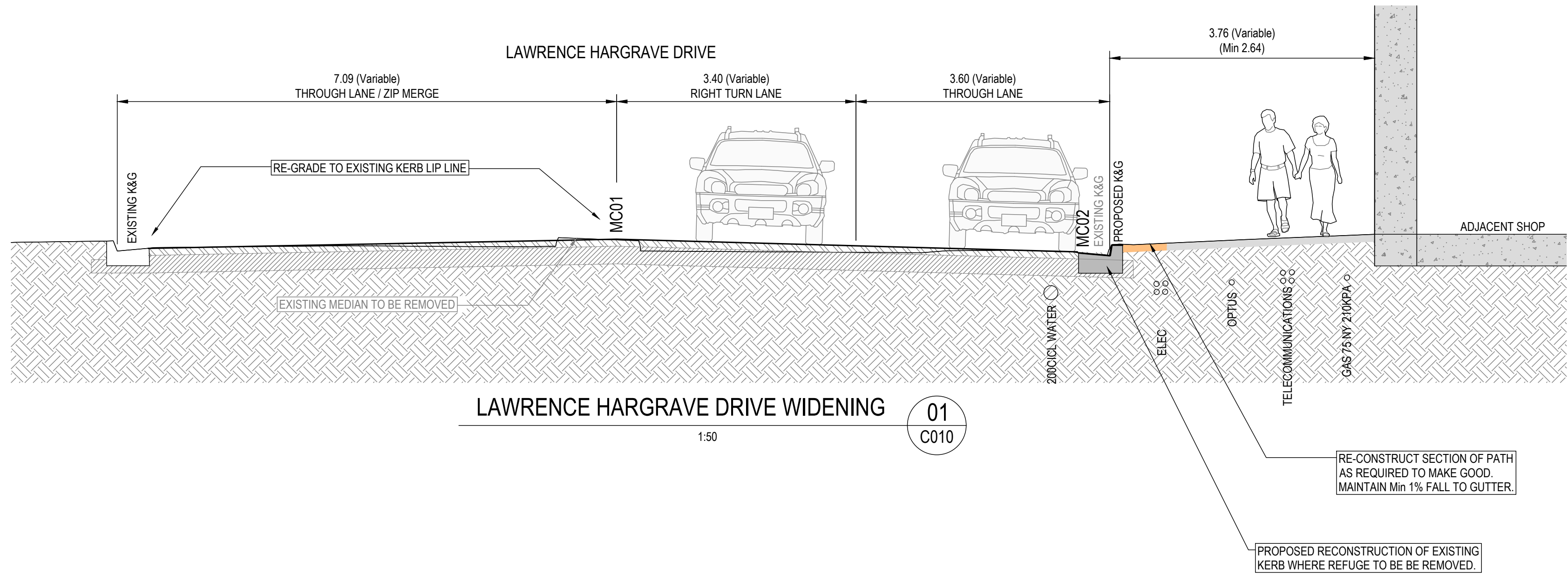
STANDARD WOLLONGONG CITY COUNCIL KERB RAMP DETAILS

Stephen Weatherly 7/5/2022 3:09 PM

REV	DATE	DESCRIPTION	AMD BY	APP BY
3	23.06.22	REMOVED BOLLARDS	SW	MR
2	23.11.21	ADDED SHALLOW MOUNT DETAIL	SW	MR
1	19.05.21	ISSUED FOR APPROVAL	SW	MR

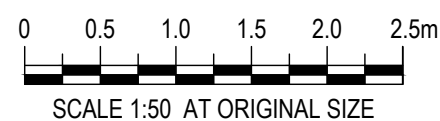


DRAWN: SJW	DESIGNED: SJW	THIRROUL PLAZA PUBLIC DOMAIN WORKS DETAILS SHEET 1 OF 2			
DRAFT CHECK:	DESIGN CHECK:				
APPROVED:					
FOR APPROVAL		DRAWING NUMBER ISC00115-30-C035	SHEET No.	ORIG. SIZE A1	REVISION 3

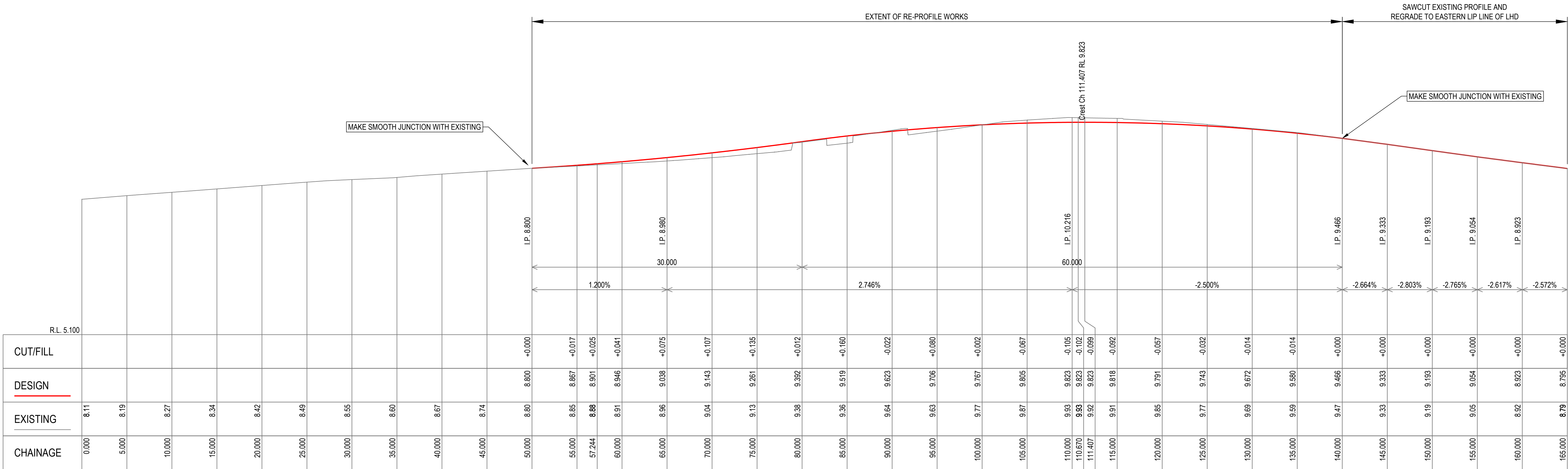


Stephen Weatherly 7/5/2022 3:09 PM

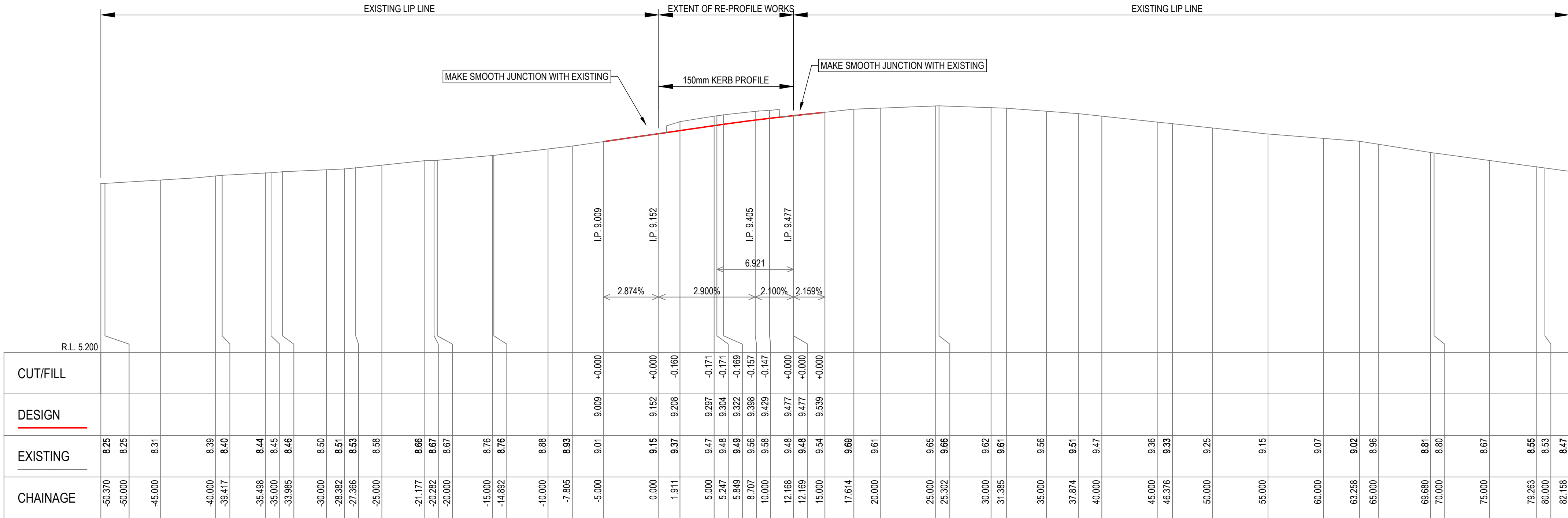
REV	DATE	DESCRIPTION	AMD BY	APP BY
3	23.06.22	REMOVED BOLLARDS	SW	MR
2	23.11.21	SECTION 03 ADDED WITH ADDITIONAL BOLLARD INFORMATION	SW	MR
1	19.05.21	ISSUED FOR APPROVAL	SW	MR



DRAWN: SJW	DESIGNED: SJW	THIRROUL PLAZA PUBLIC DOMAIN WORKS DETAILS SHEET 2 OF 2			
DRAFT CHECK:	DESIGN CHECK:				
APPROVED:					
FOR APPROVAL		DRAWING NUMBER ISC00115-30-C036	SHEET No.	ORIG. SIZE A1	REVISION 3



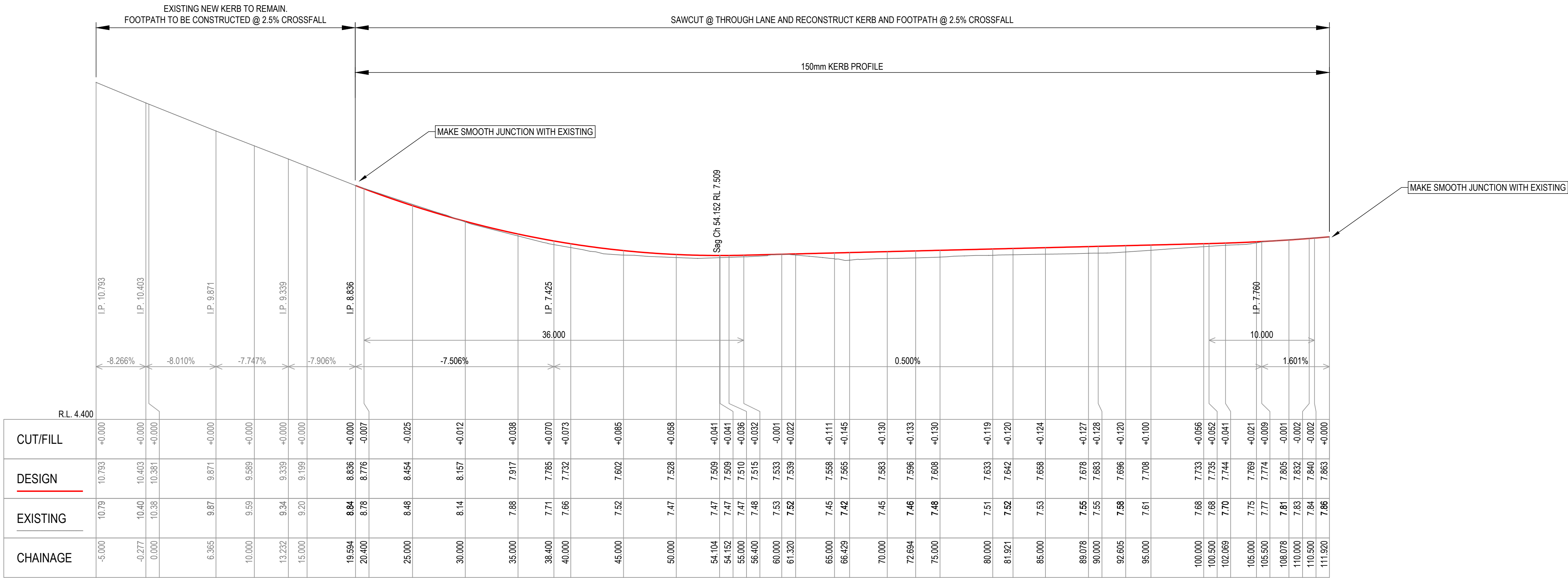
LONGITUDINAL SECTION - MC01
(LHD CENTRELINE)
H=1:250 V=1:50



LONGITUDINAL SECTION - MC02
(LHD LIP LINE (NORTH EAST))
H=1:250 V=1:50

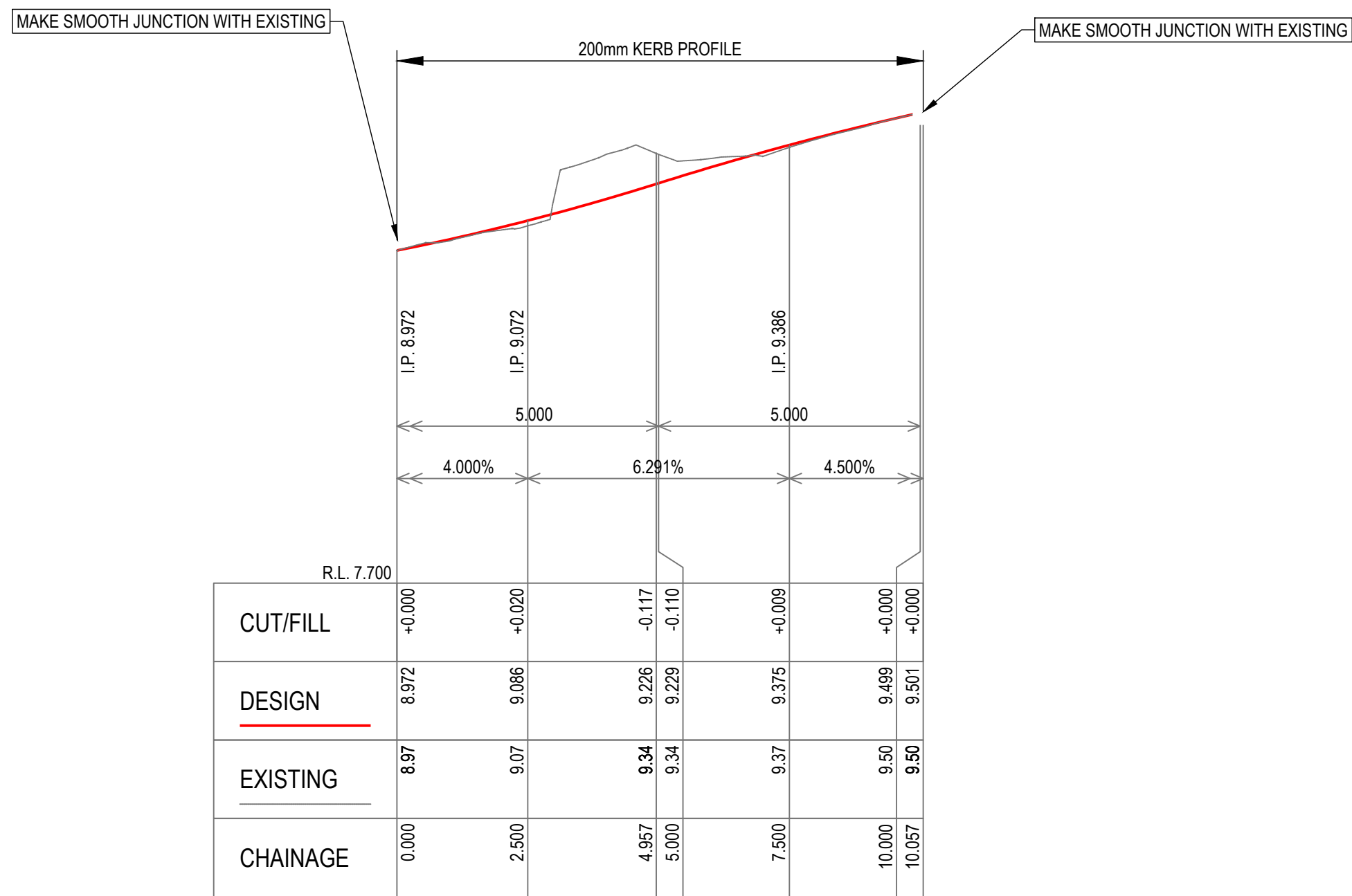


DRAWN: SJW	DESIGNED: SJW	THIRROUL PLAZA PUBLIC DOMAIN WORKS LONGITUDINAL SECTIONS MC01 AND MC02			
DRAFT CHECK:	DESIGN CHECK:				
APPROVED:		FOR APPROVAL			
		DRAWING NUMBER ISC00115-30-C050	SHEET No.	ORIG. SIZE A1	REVISION 1



LONGITUDINAL SECTION - MC03
(LHD LIP LINE (SOUTH WEST))

H=1:200 V=1:100



LONGITUDINAL SECTION - MC04
(LIP LINE - KING STREET KERB RETURN)

H=1:100 V=1:20



DRAWN: SJW
DESIGNED: SJW
DRAFT CHECK: DESIGN CHECK:
APPROVED:
FOR APPROVAL

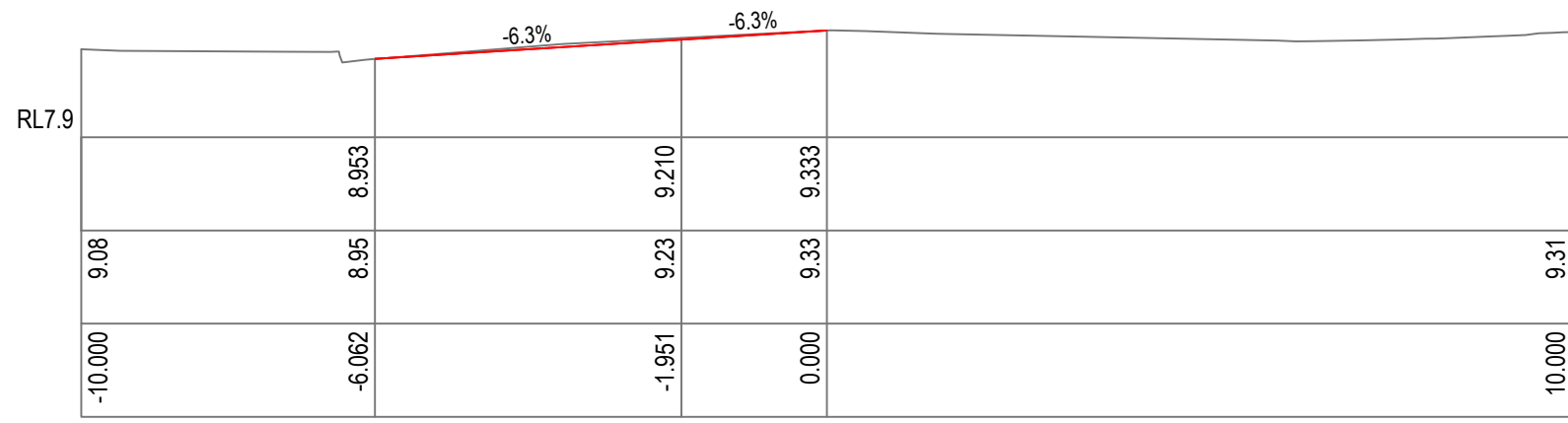
THIROUL PLAZA
PUBLIC DOMAIN WORKS
LONGITUDINAL SECTIONS
MC03 AND MC04

DRAWING NUMBER
ISC00115-30-C051

SHEET No.

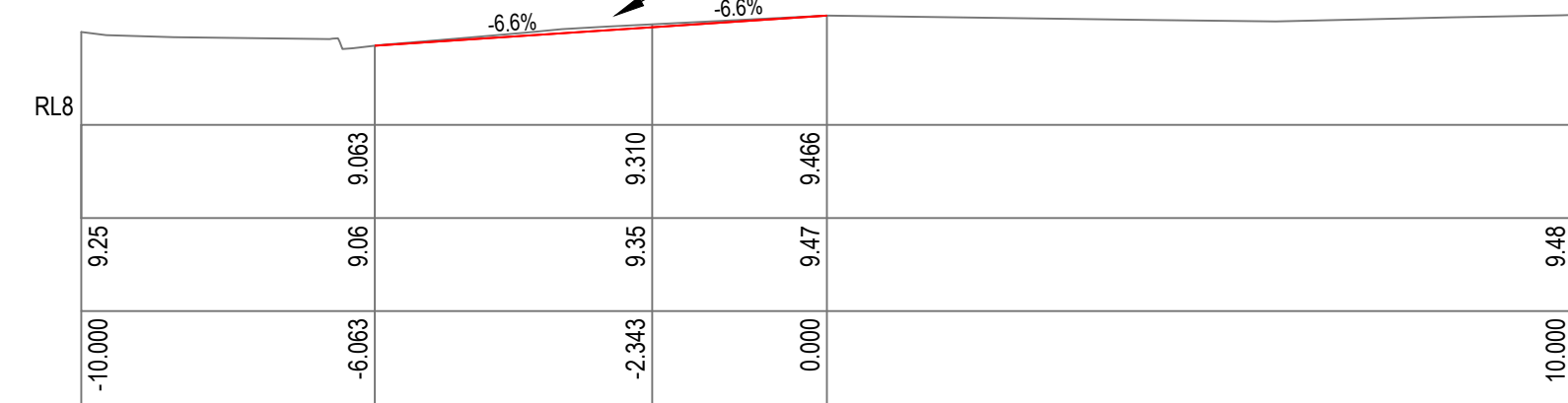
ORIG. SIZE
A1

REVISION
1

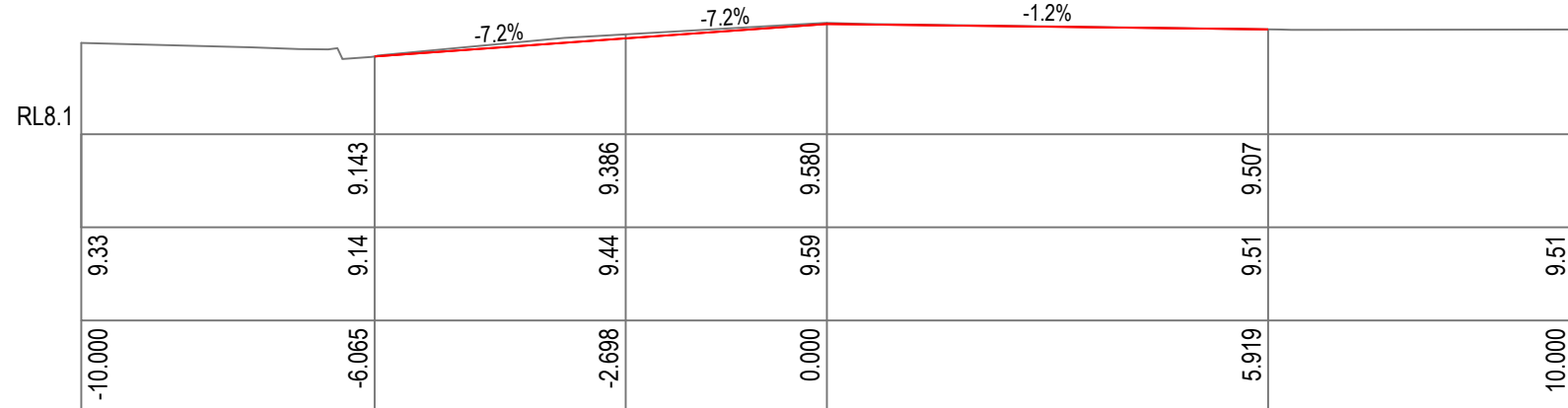


Ch 145,000
MC01

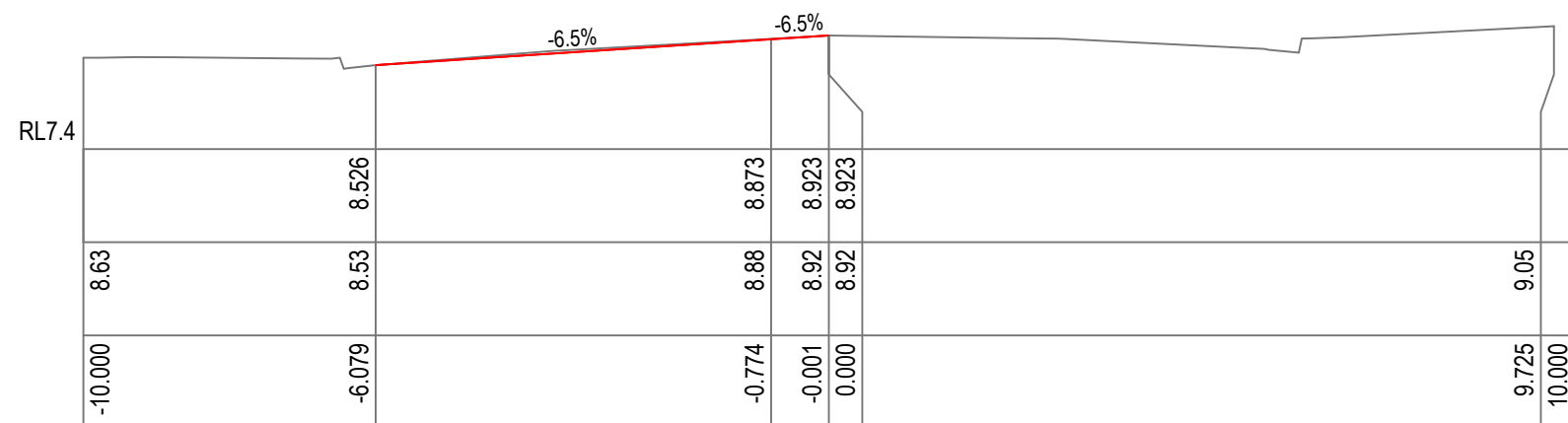
TYPICAL
SAWCUT AT CENTRELINE AND REGRADE TO
LIP TO IMPROVE X FALL IN KERBSIDE LANE



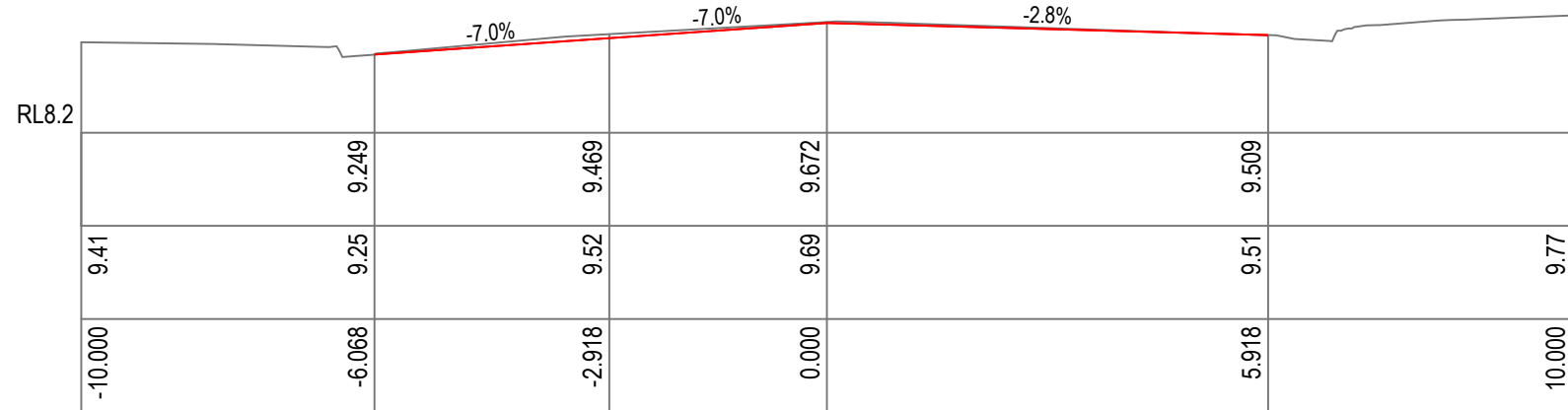
Ch 140,000
MC01



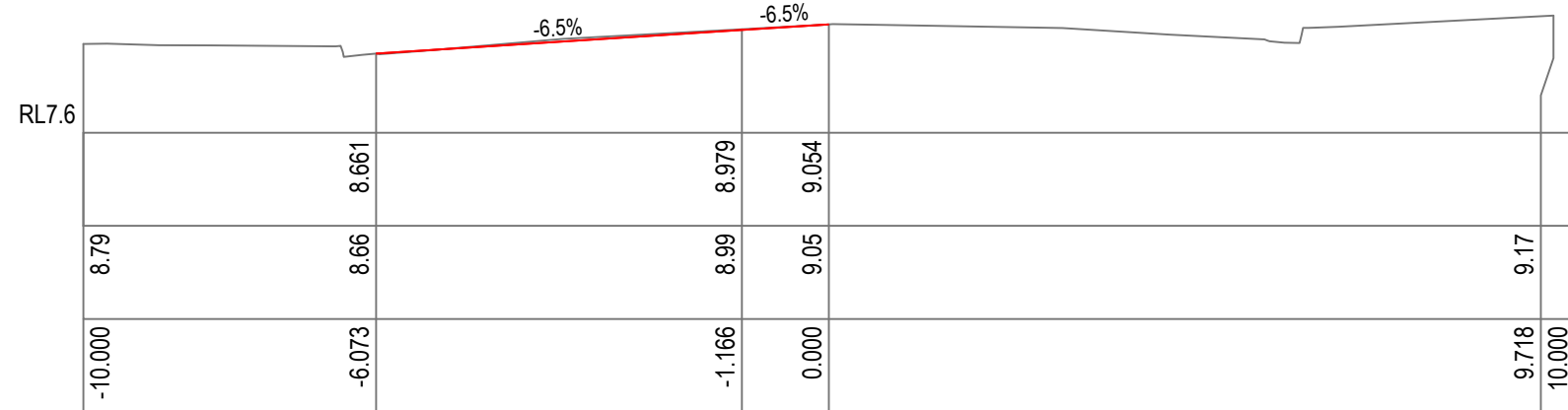
Ch 135,000
MC01



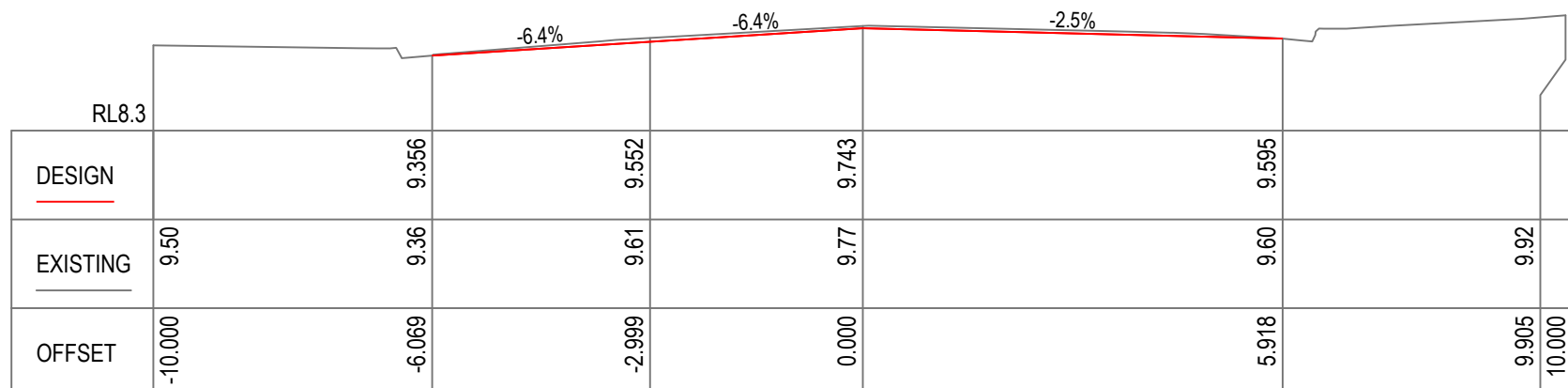
Ch 160,000
MC01



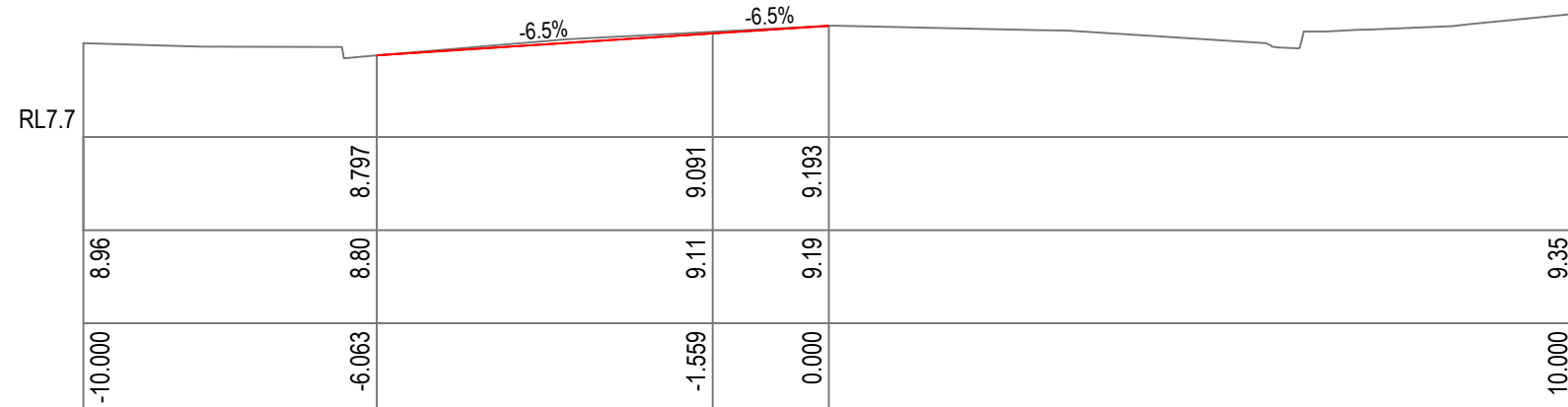
Ch 130,000
MC01



Ch 155,000
MC01



Ch 125,000
MC01



Ch 150,000
MC01

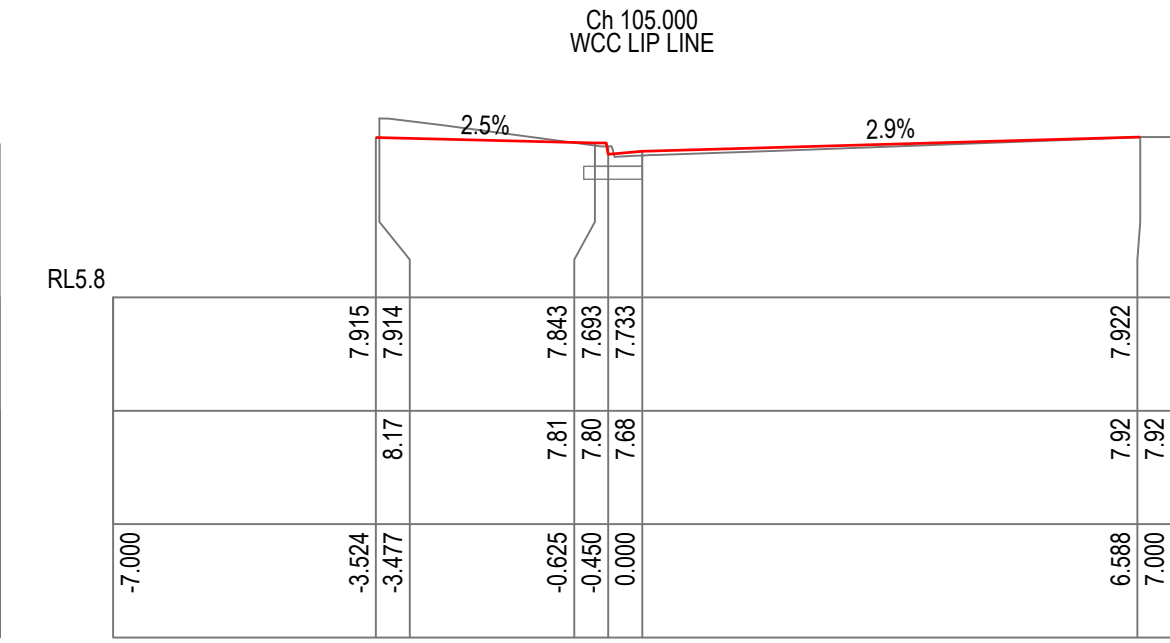
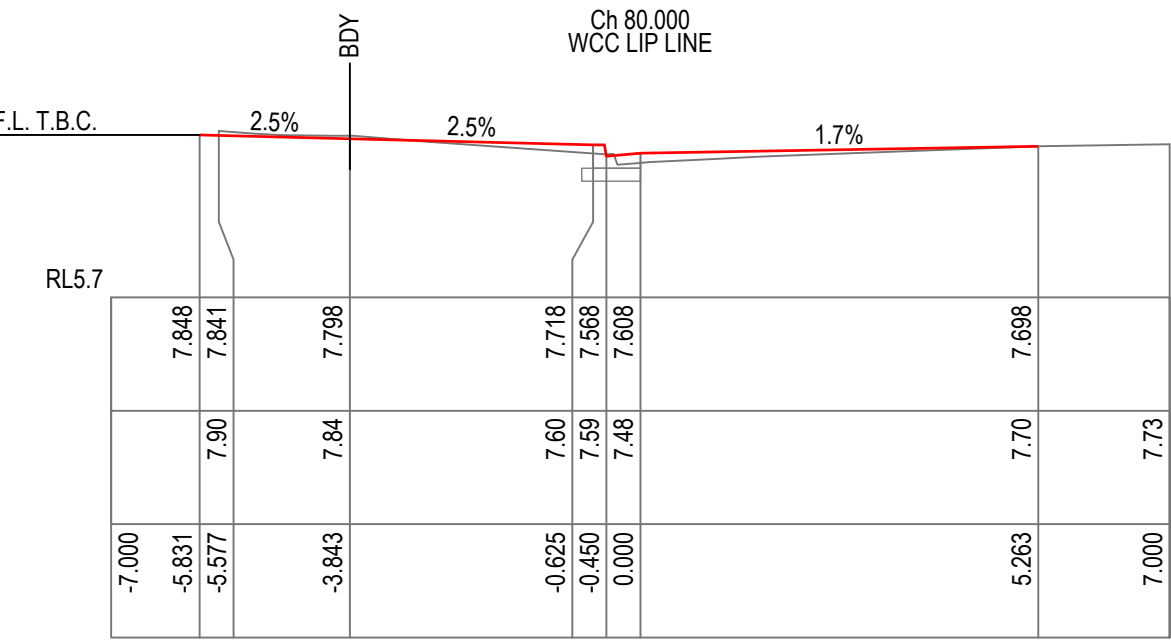
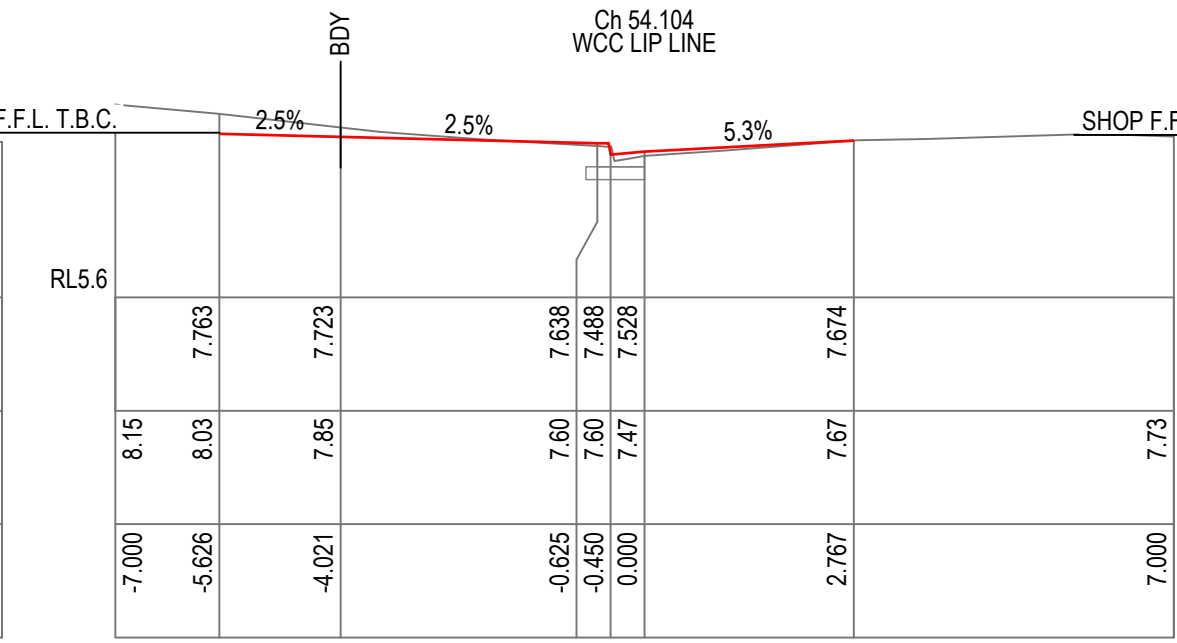
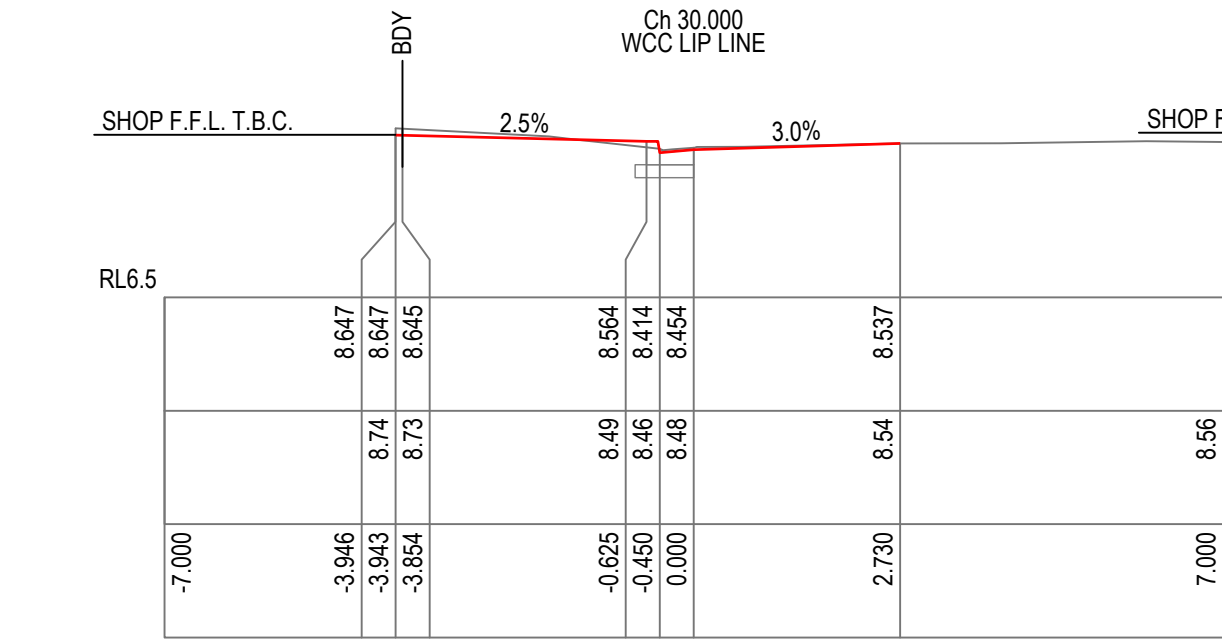
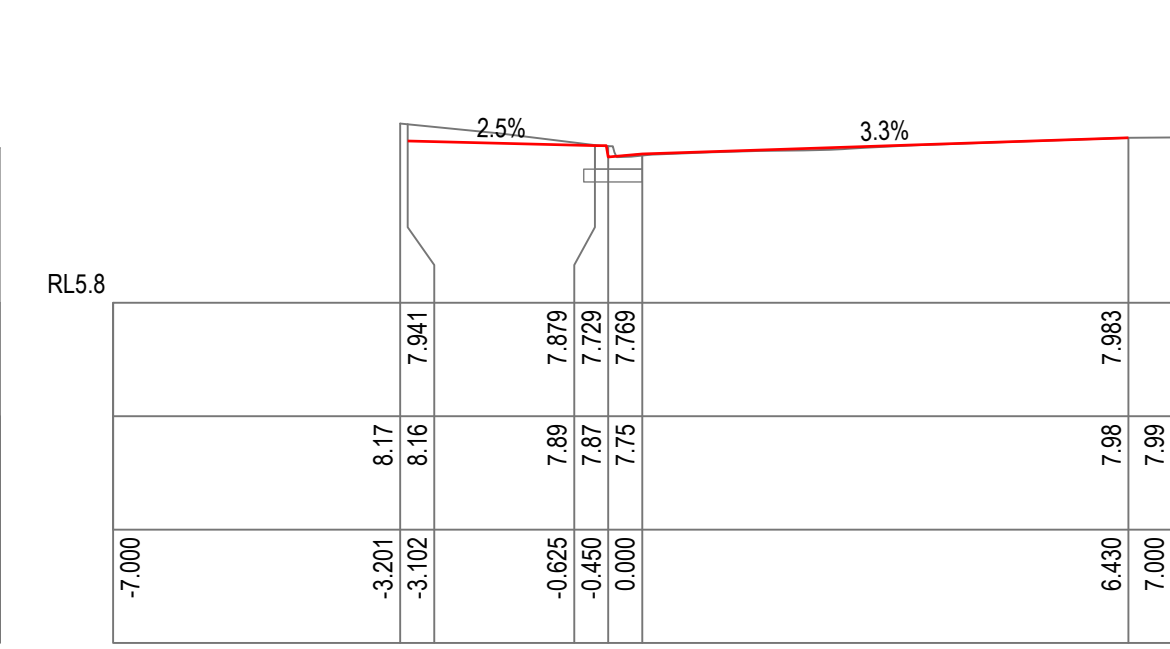
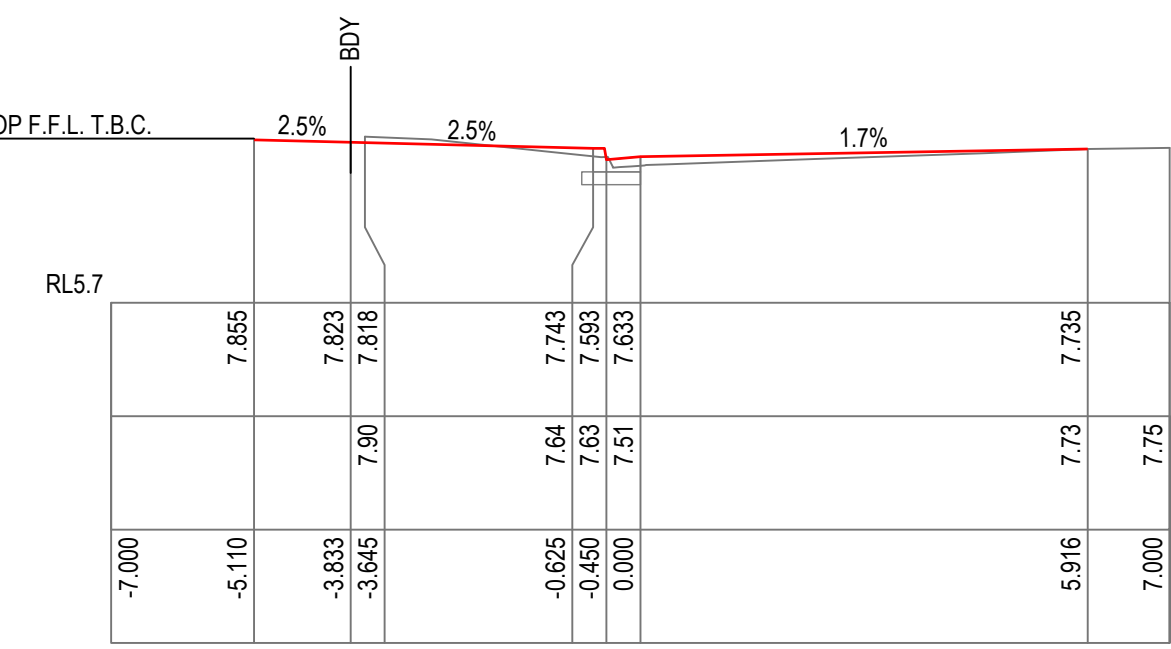
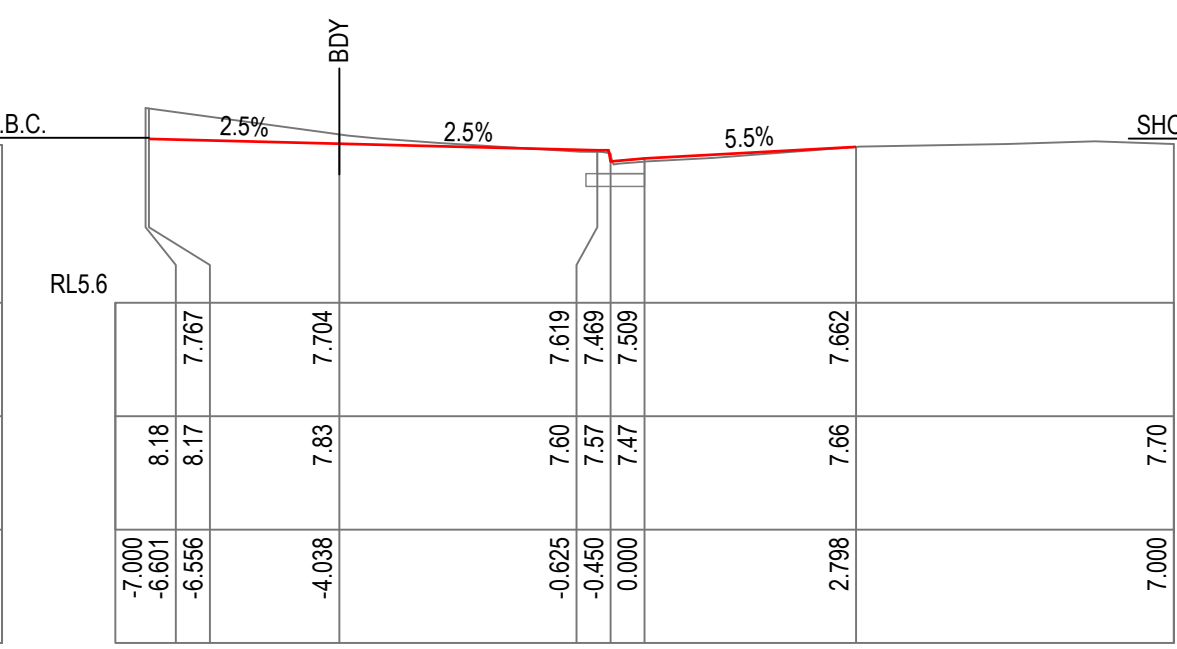
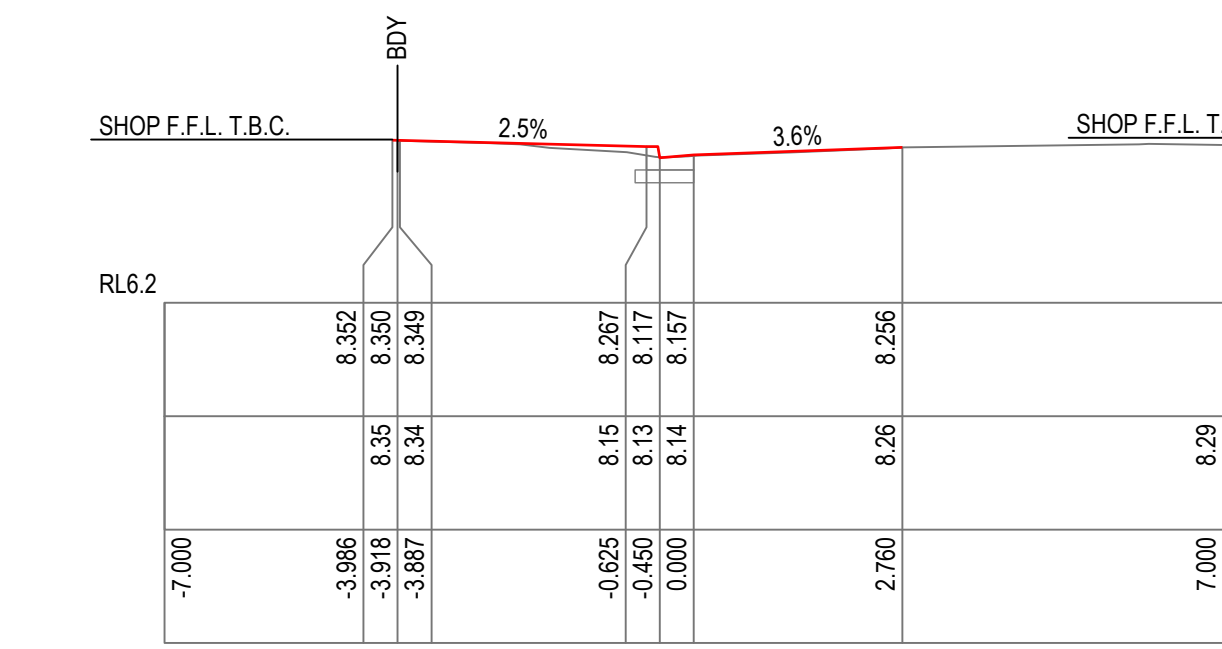


DRAWN: SJW
DESIGNED: SJW
DRAFT CHECK: DESIGN CHECK:
APPROVED:
FOR APPROVAL

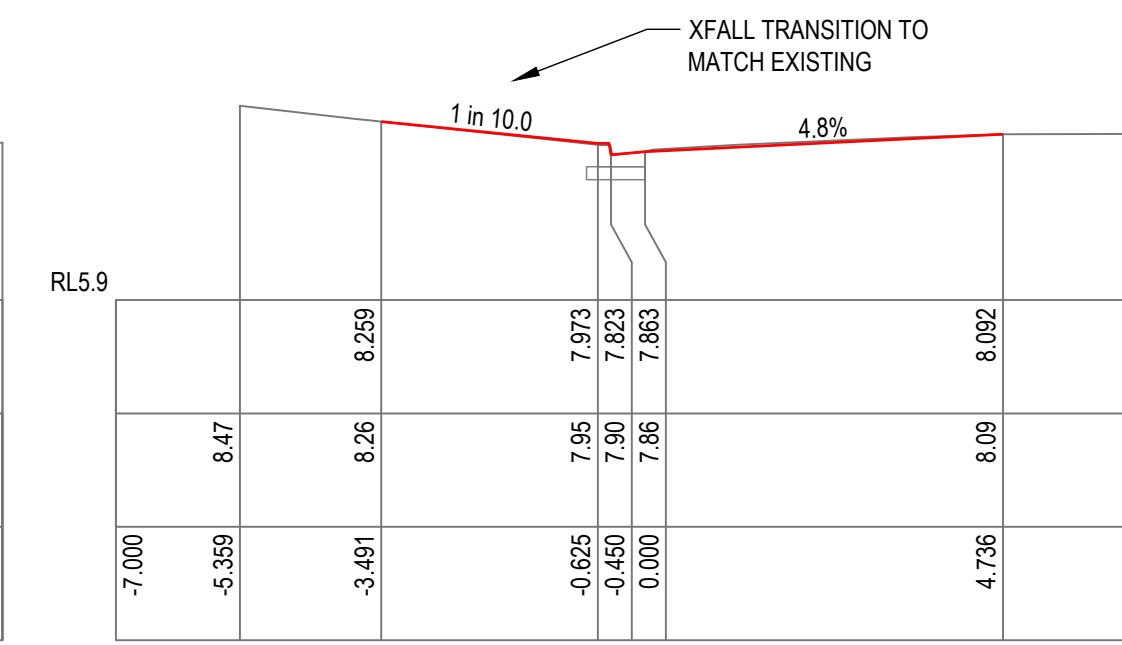
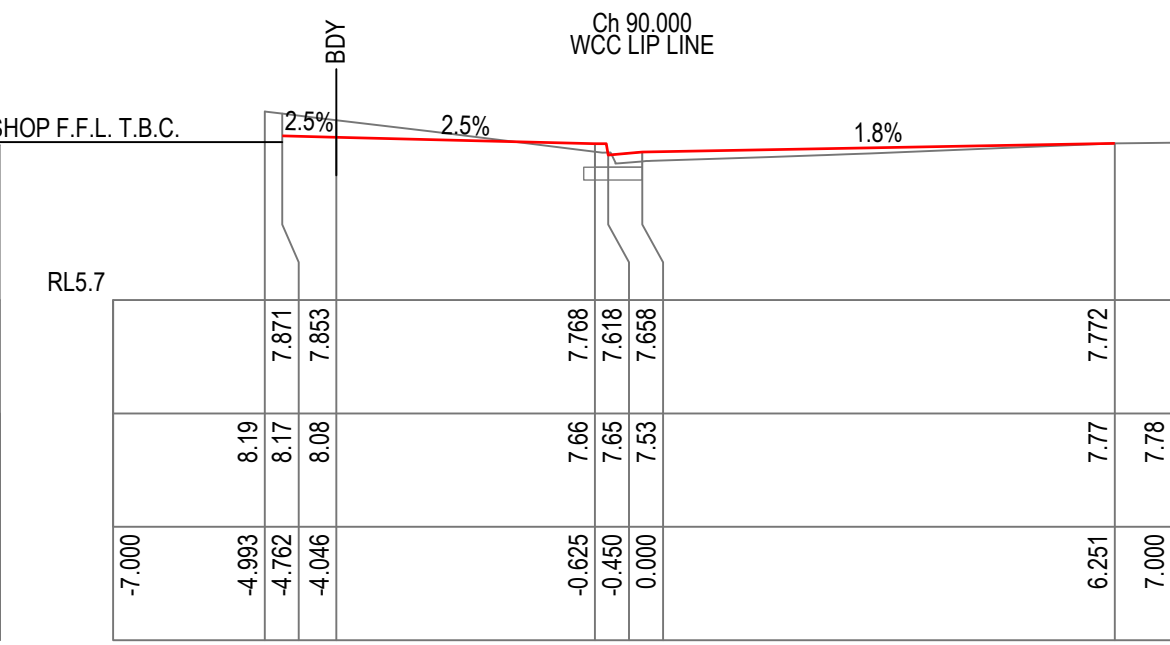
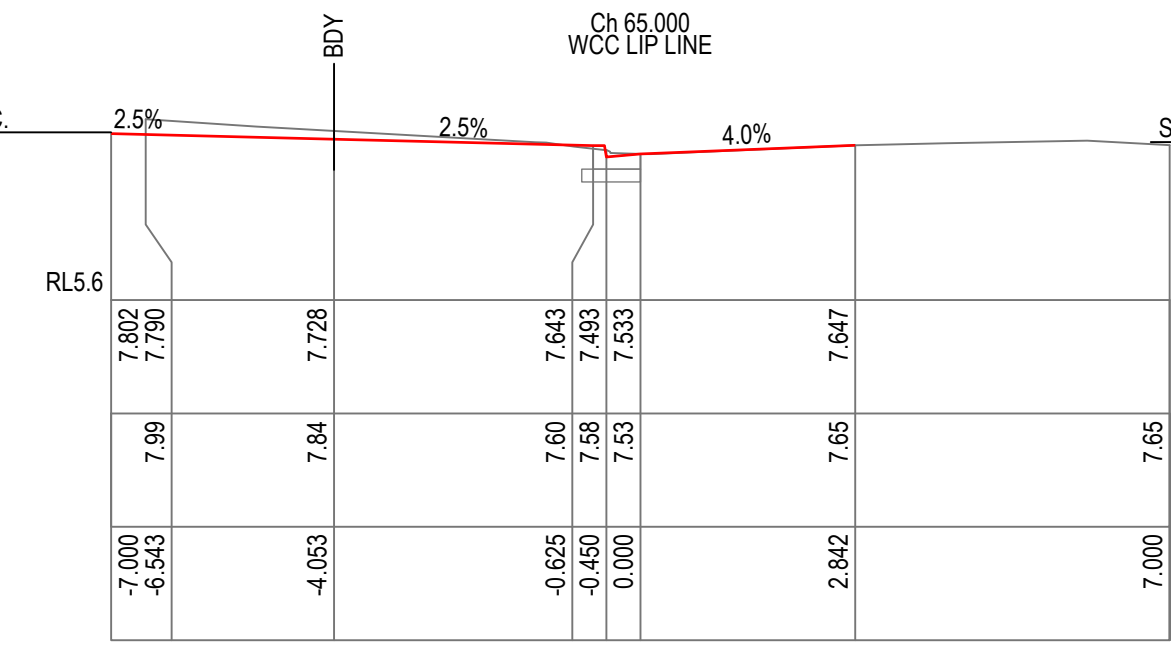
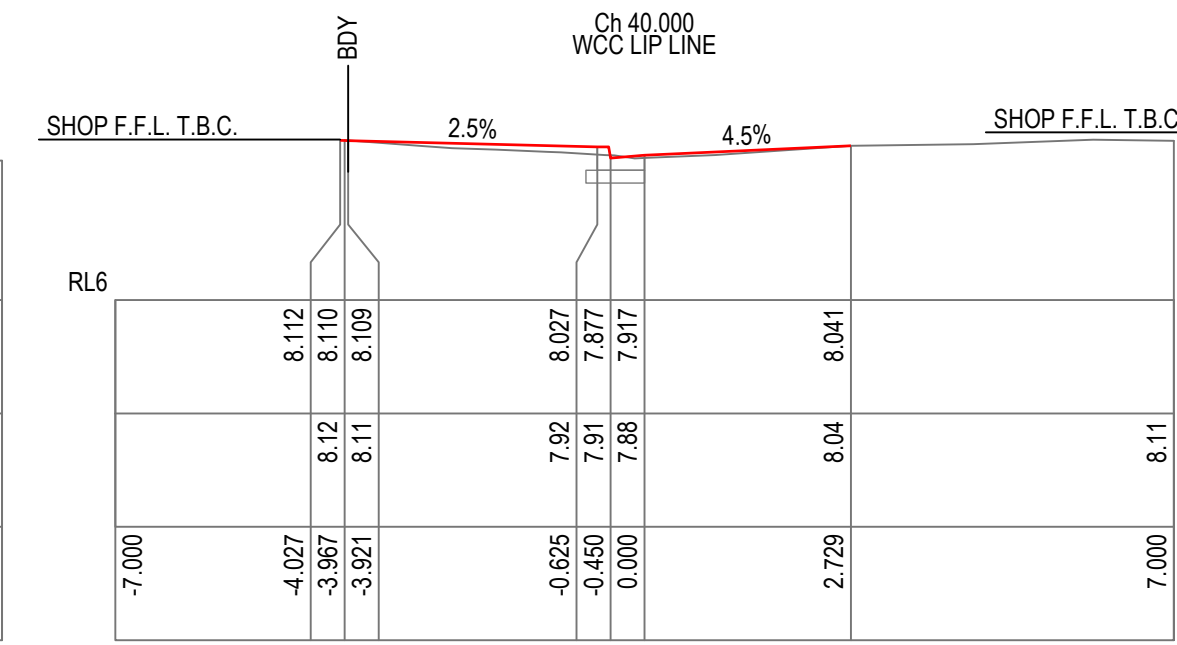
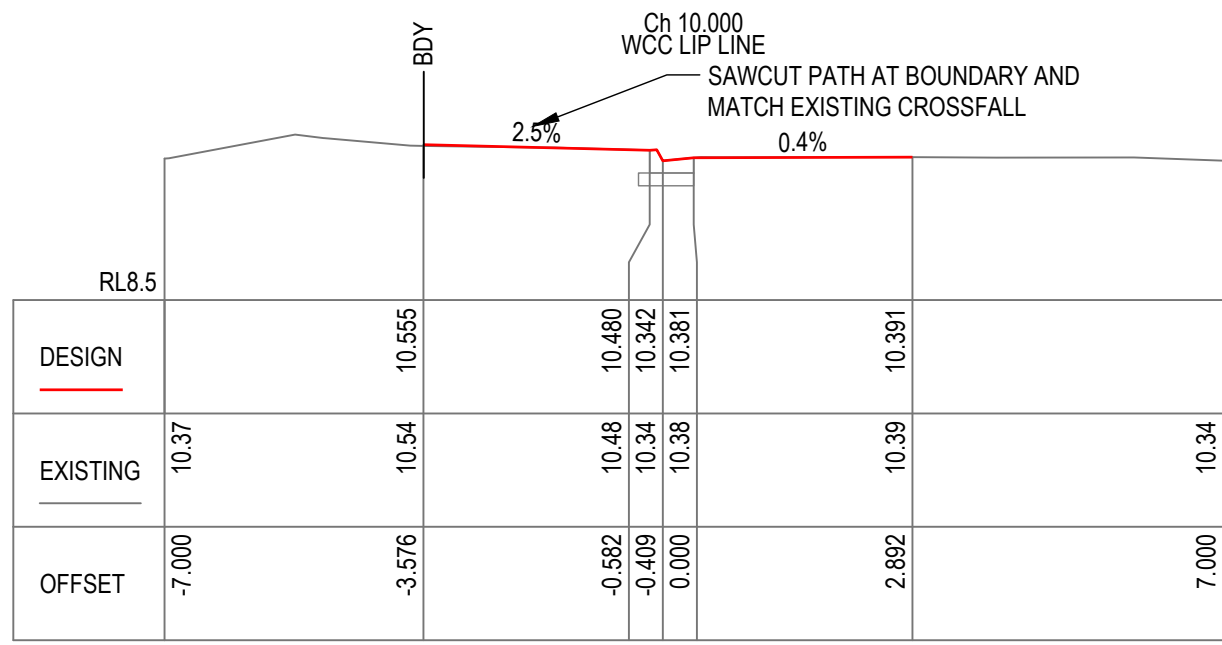
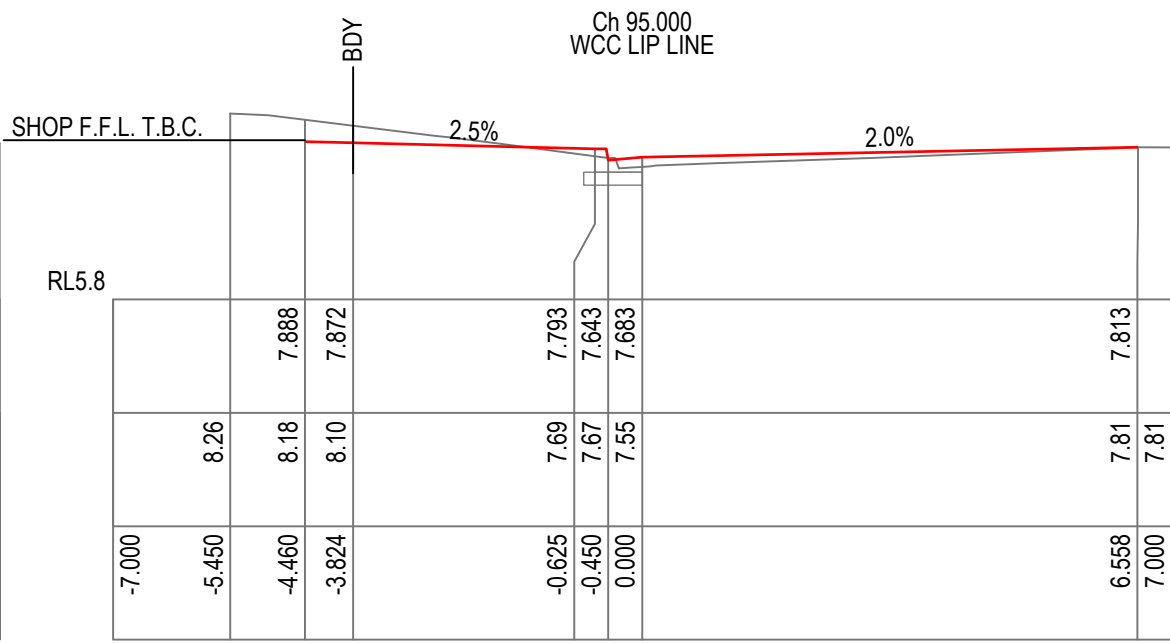
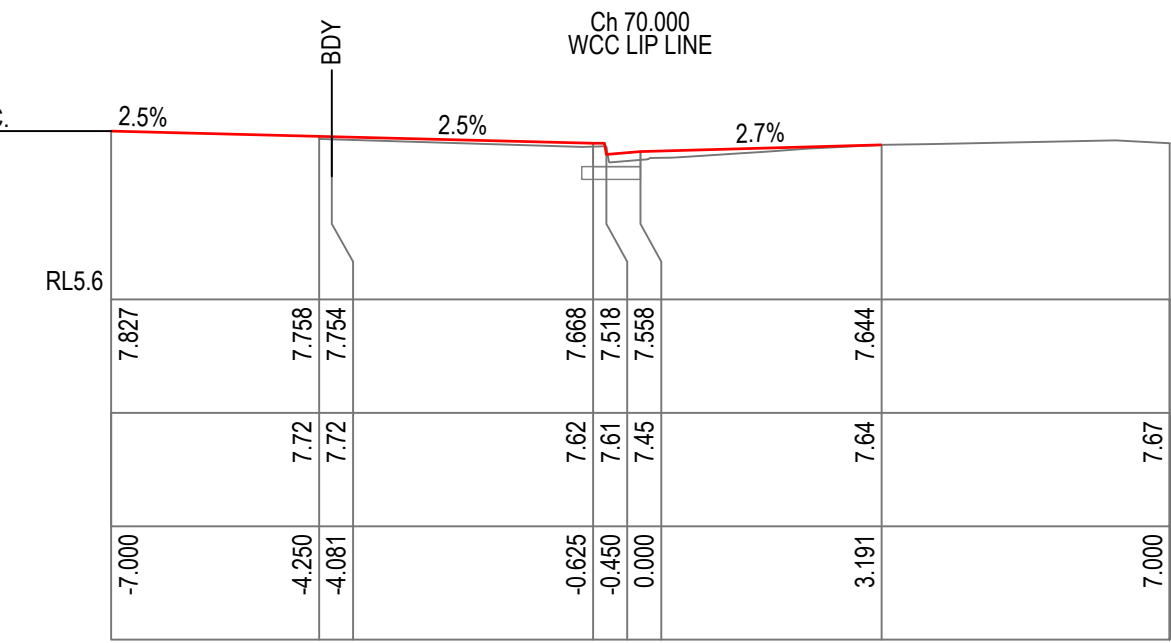
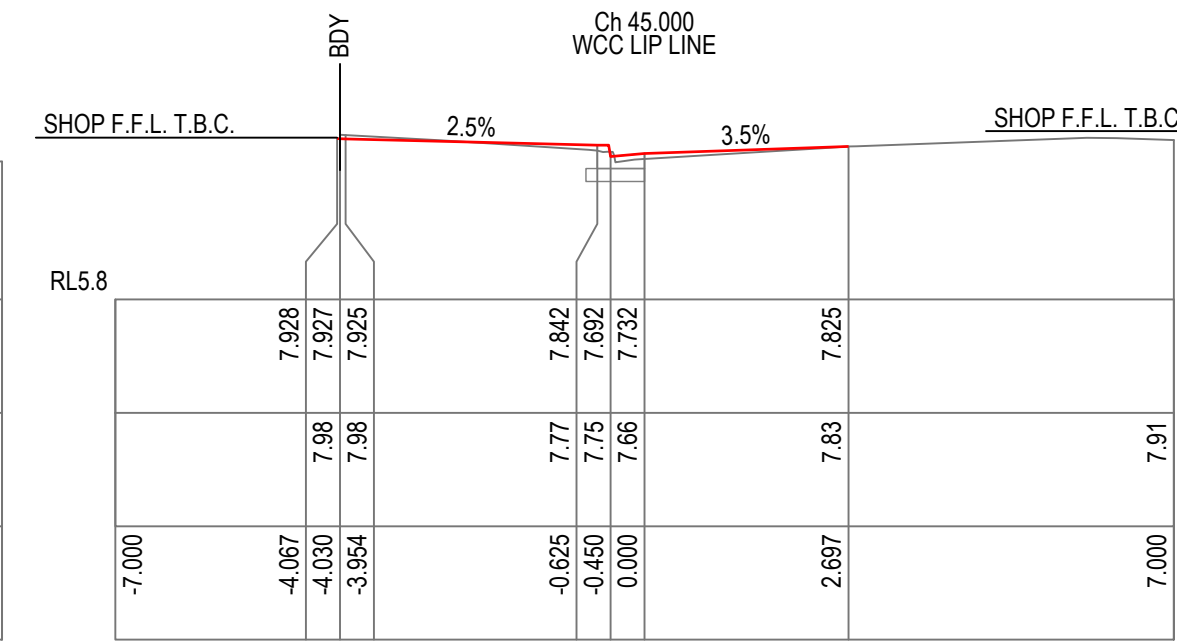
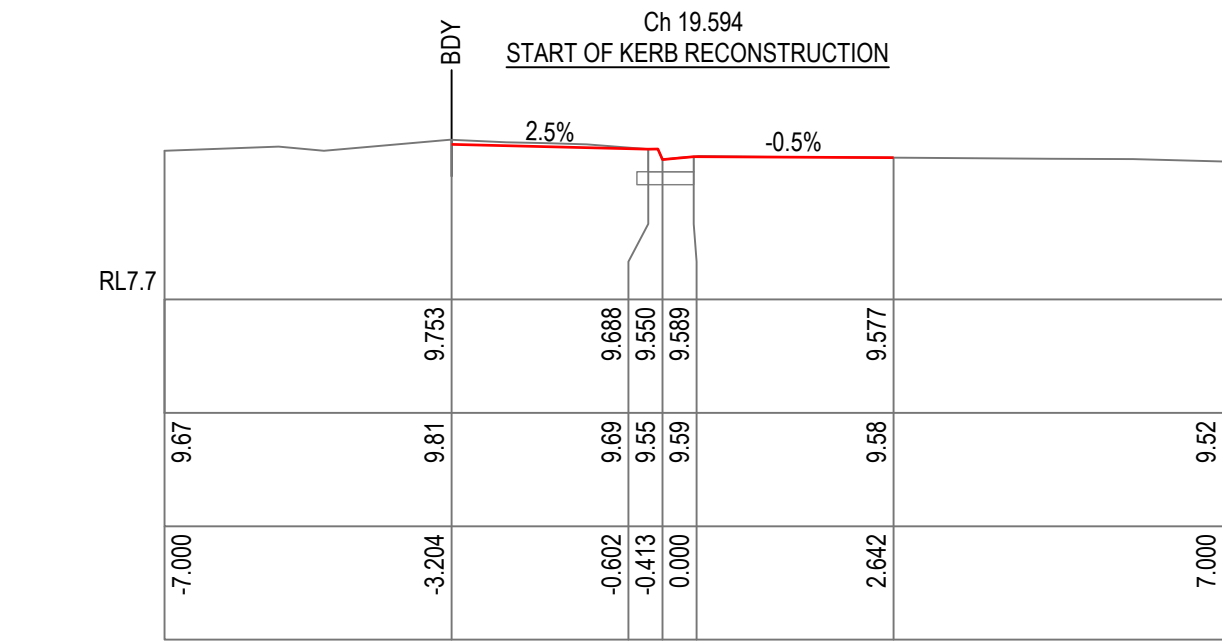
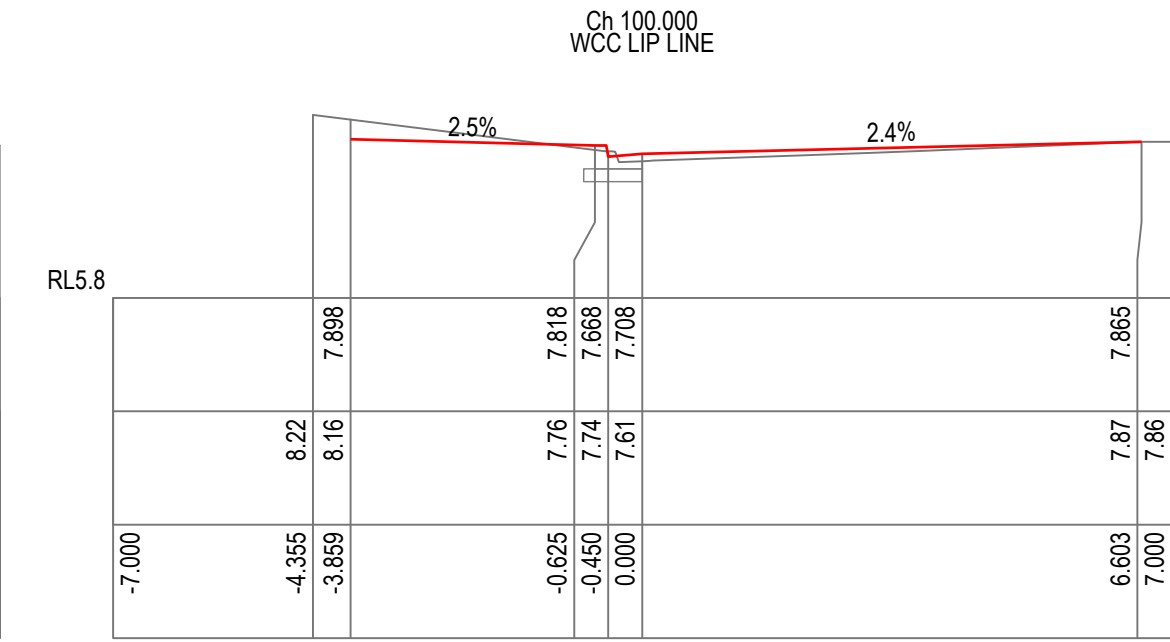
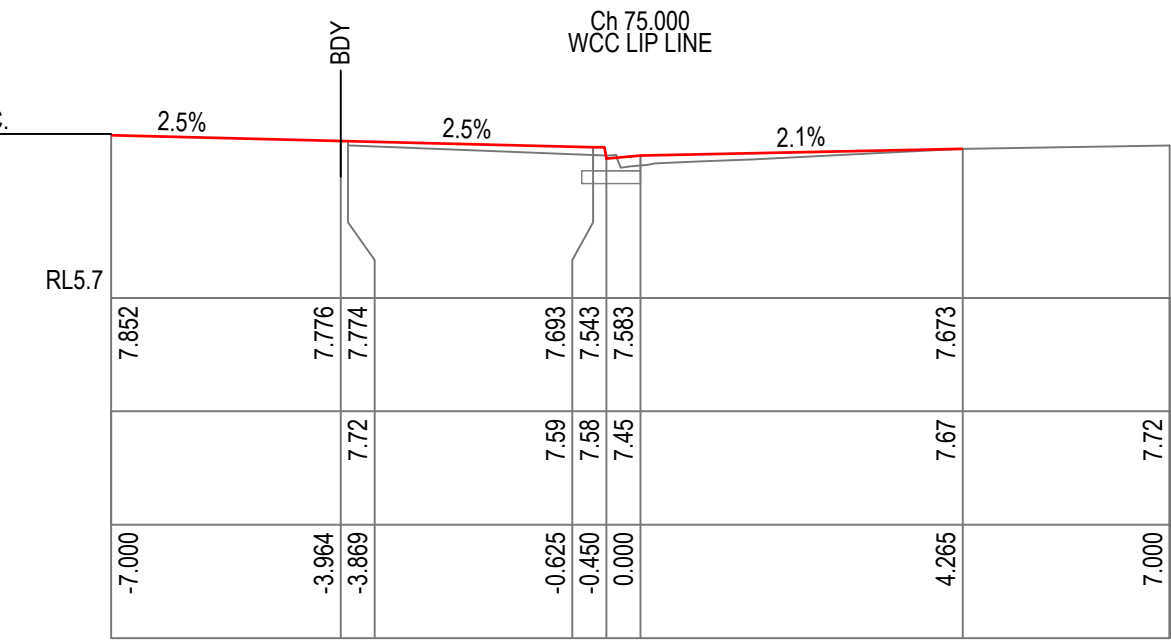
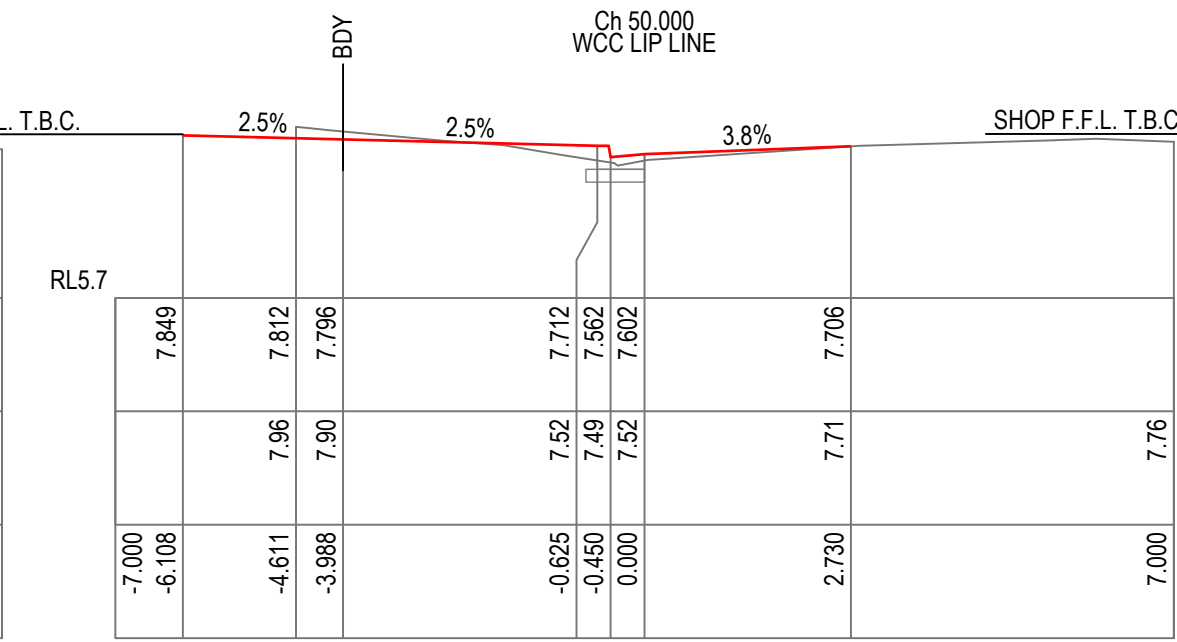
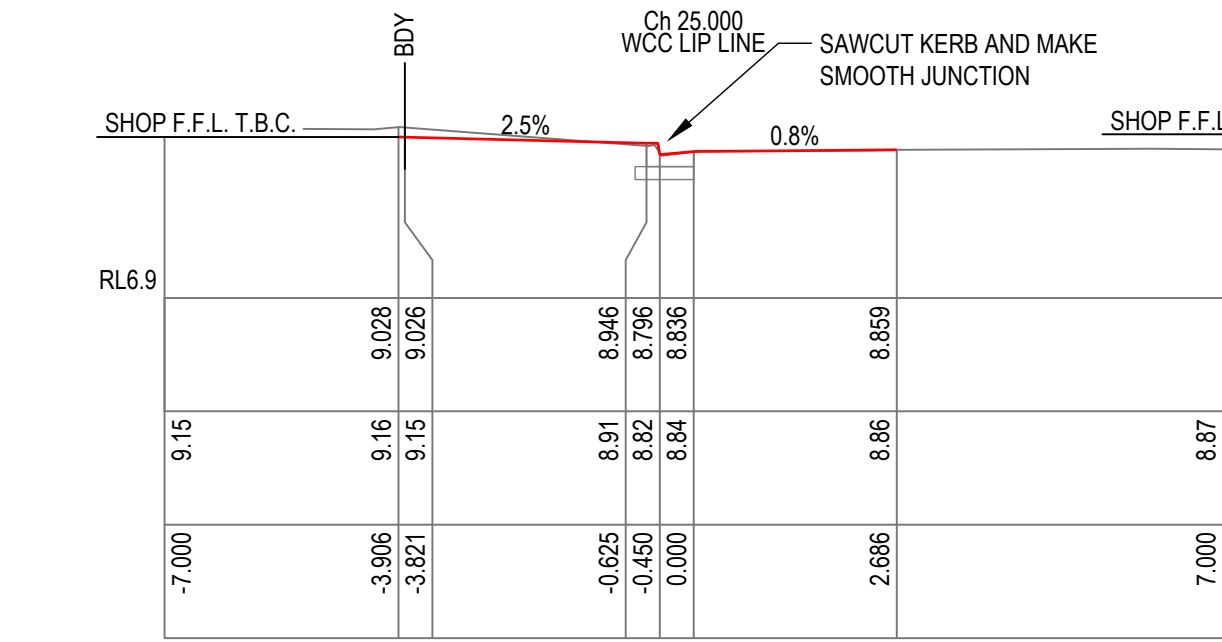
THIROUL PLAZA
PUBLIC DOMAIN WORKS
CROSS SECTIONS
MC01 (SHEET 2 OF 2)

DRAWING NUMBER: ISC00115-30-C071
SHEET No.:
ORIG. SIZE: A1
REVISION: 1

REV	DATE	DESCRIPTION	AMD BY	APP BY
1	19.05.21	ISSUED FOR APPROVAL	SW	MR



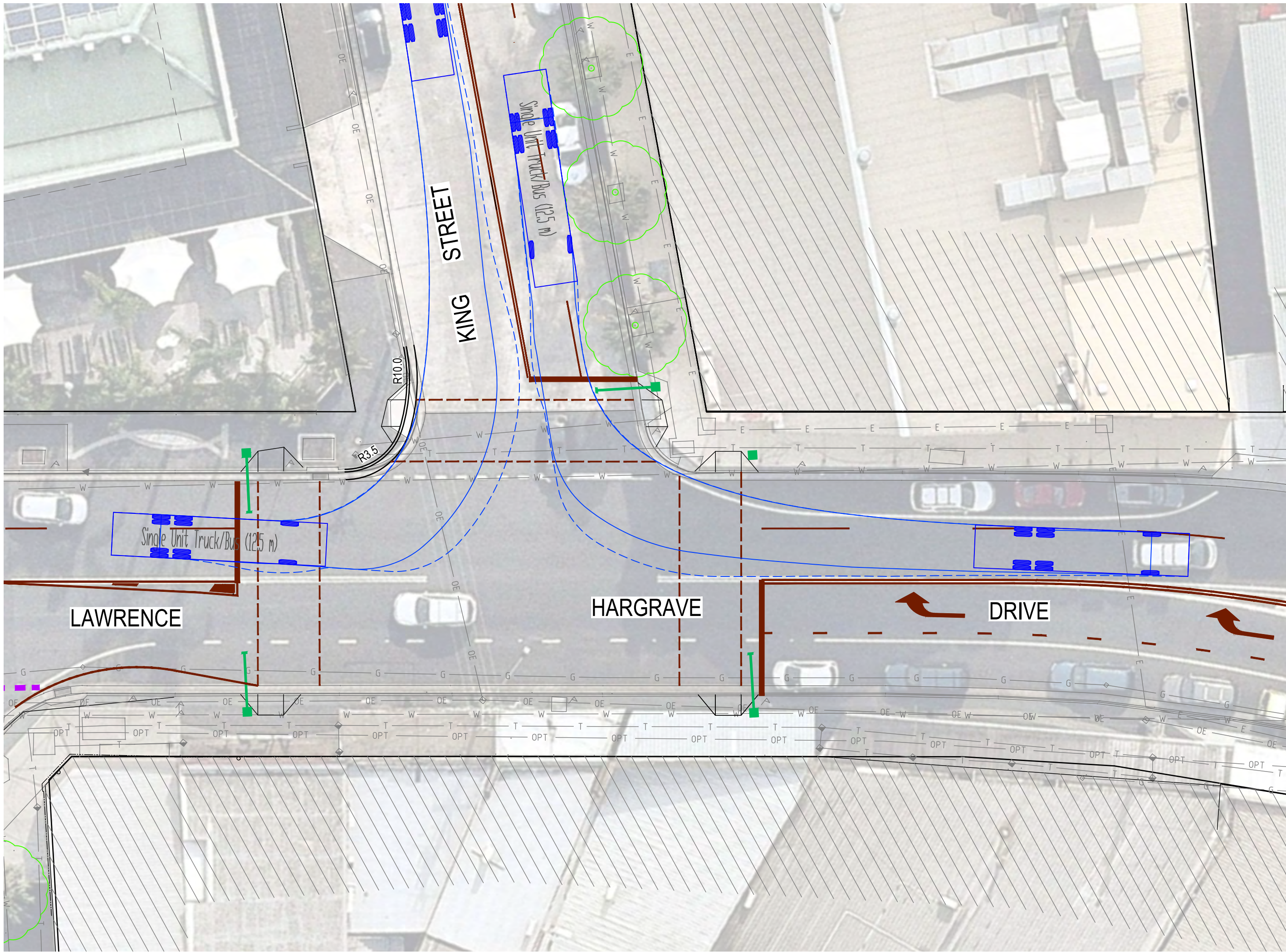
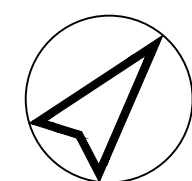
NOTE
EXISTING KERB TO REMAIN U.N.O. ON GENERAL ARRANGEMENT PLAN



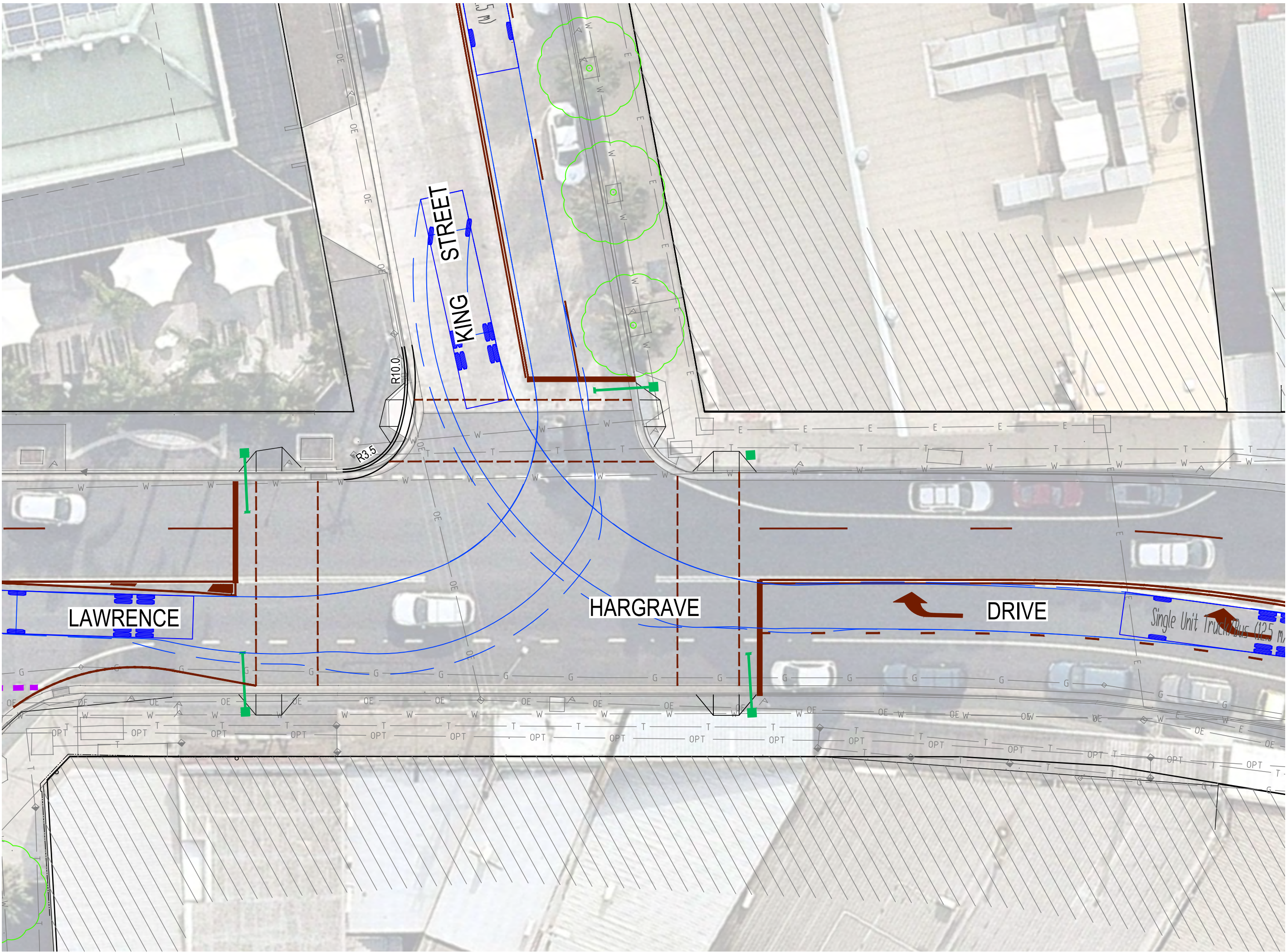
DESIGN	
EXISTING	
OFFSET	



DRAWN: SJW	DESIGNED: SJW	THIRROUL PLAZA PUBLIC DOMAIN WORKS CROSS SECTIONS MC03			
DRAFT CHECK:	DESIGN CHECK:				
APPROVED:					
FOR APPROVAL		DRAWING NUMBER ISC00115-30-C072	SHEET No.	ORIG. SIZE A1	REVISION 1



SWEPT PATHS - LEFT IN / LEFT OUT - 12.5m SINGLE UNIT TRUCK/BUS
KING STREET / LHD INTERSECTION
1:200

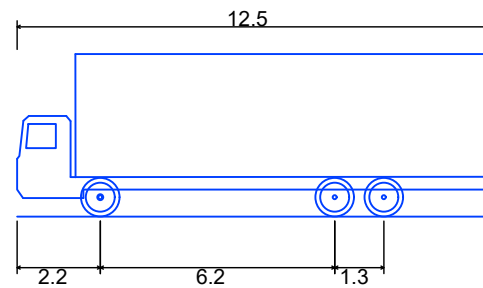


SWEPT PATHS - RIGHT IN / RIGHT OUT - 12.5m SINGLE UNIT TRUCK/BUS
KING STREET / LHD INTERSECTION
1:200

LEGEND

AUSTROADS SINGLE UNIT TRUCK/BUS

VEHICLE ENVELOPE

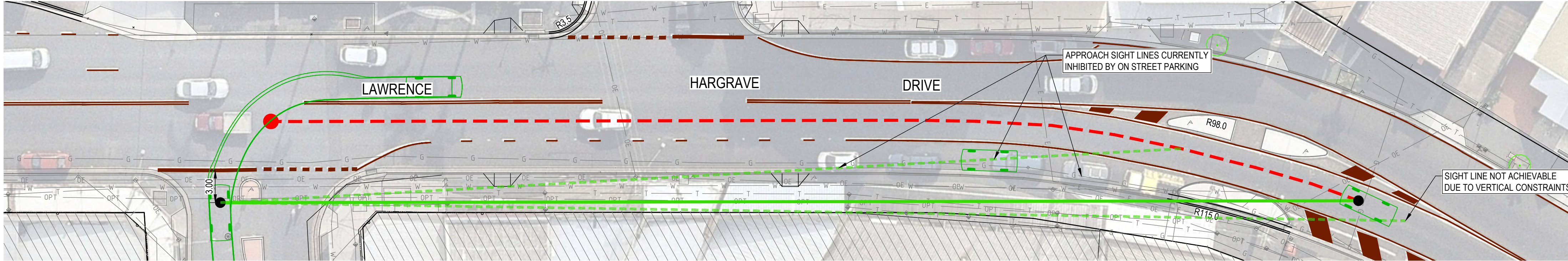


Single Unit Truck/Bus (12.5 m)
Overall Length 12.500m
Overall Width 2.500m
Overall Body Height 4.300m
Min Body Ground Clearance 0.490m
Track Width 2.500m
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 12.500m

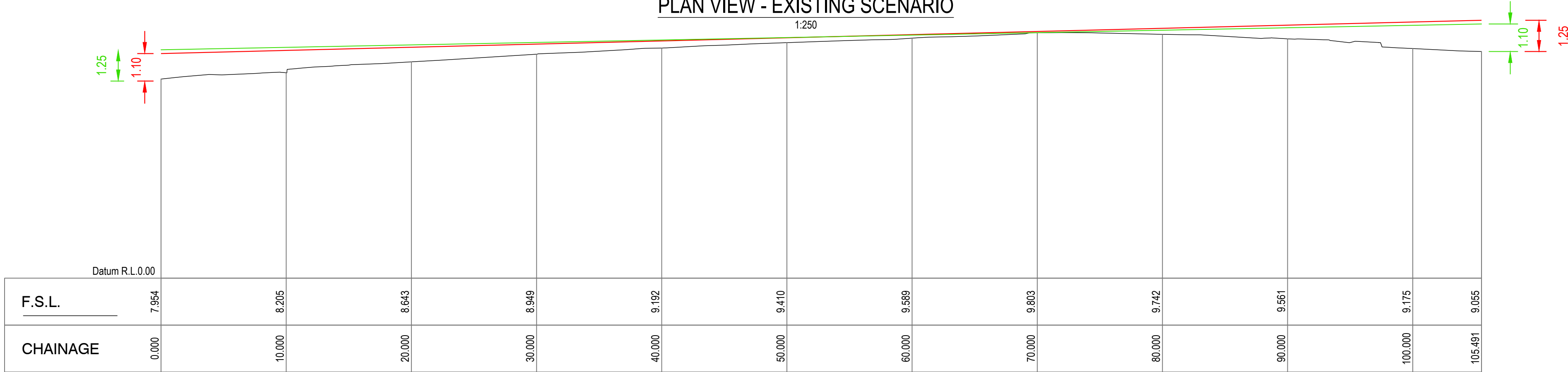
REV	DATE	DESCRIPTION	AMD BY	APP BY
4	23.06.22	REMOVED BOLLARDS AND ASSOCIATED SERVICE ADJUSTMENTS	SW	MR
3	25.02.22	AMENDED LHD/KING STREET INT. (CHEVRON MEDIAN)	SW	MR
2	23.11.21	SECTION 03 ADDED WITH ADDITIONAL BOLLARD INFORMATION	SW	MR
1	19.05.21	ISSUED FOR APPROVAL	SW	MR



DRAWN: SJW	DESIGNED: SJW	THIRROUL PLAZA PUBLIC DOMAIN WORKS SWEPT PATH PLAN KING STREET DESIGN VEHICLE			
DRAFT CHECK:	DESIGN CHECK:				
APPROVED:					
FOR APPROVAL		DRAWING NUMBER ISC00115-30-C205	SHEET No.	ORIG. SIZE A1	REVISION 4

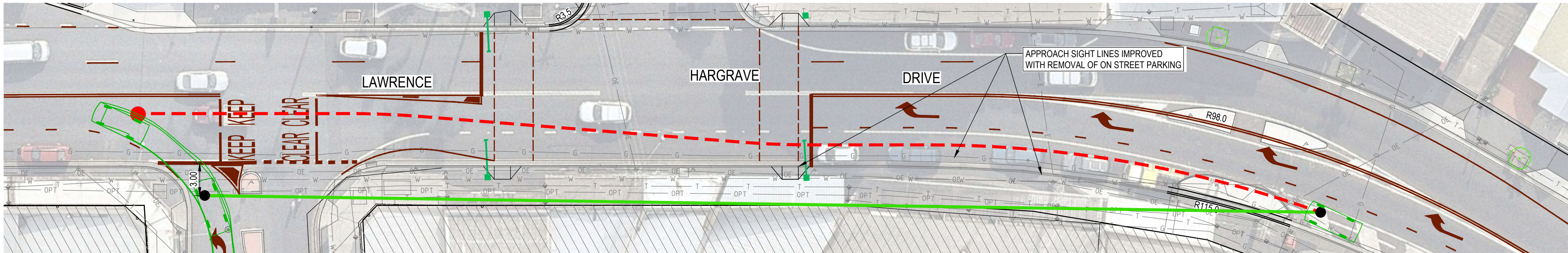


PLAN VIEW - EXISTING SCENARIO

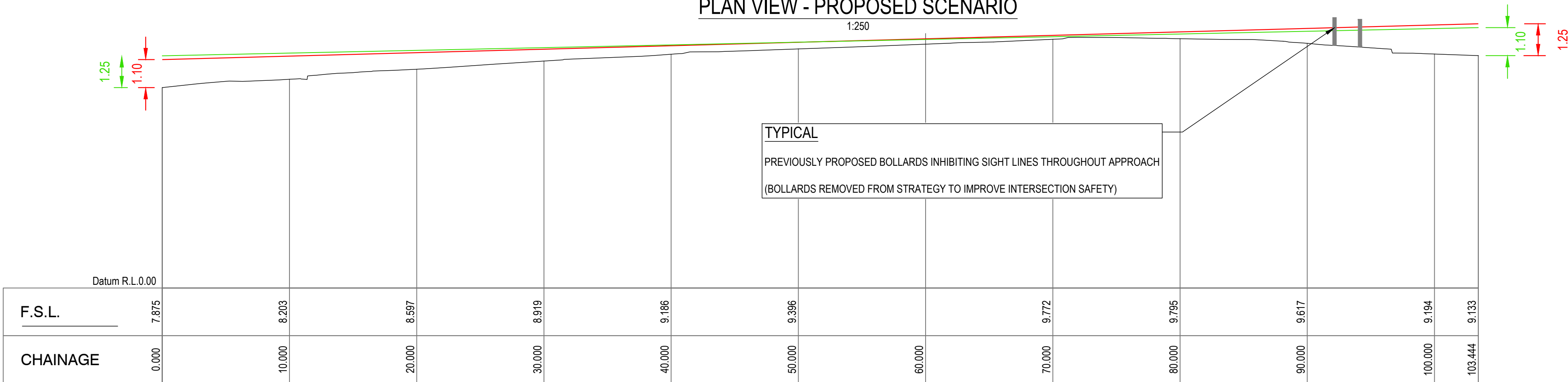


MAXIMUM SIGHT LINE - EXISTING SCENARIO

H=1.250 V=1.125

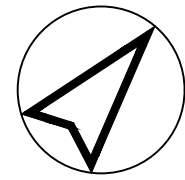


PLAN VIEW - PROPOSED SCENARIO



MAXIMUM SIGHT LINE - PROPOSED SCENARIO

H=1.250 V=1.125



LEGEND

- SIGHT LINE
- SAFE INTERSECTION SIGHT DISTANCE
- CONFLICT POINT
- ANALYSIS POINT
- ADDITIONAL SIGHT LINE

AUSTROADS SISD REQUIREMENTS

POSTED SPEED	= 50km/h
DESIGN SPEED	= 60km/h
COEFFICIENT OF DECELERATION	= 0.36
REACTION TIME	= 1.5s
OBSERVATION TIME	= 3.0s
SAFE INTERSECTION SIGHT DISTANCE =	= 114m

EXISTING SCENARIO ANALYSIS

AVAILABLE SIGHT DISTANCE	= 101.8m
COEFFICIENT OF DECELERATION	= 0.36
REACTION TIME	= 1.5s
OBSERVATION TIME	= 3.0s
CURRENT SAFE OPERATING SPEED =	= 55km/h

PROPOSED SCENARIO ANALYSIS

AVAILABLE SIGHT DISTANCE	= 110.5m
COEFFICIENT OF DECELERATION	= 0.36
REACTION TIME	= 1.5s
OBSERVATION TIME	= 3.0s
CURRENT SAFE OPERATING SPEED =	= 58km/h

AUSTROADS SISD REQUIREMENTS (EXTENDED DESIGN DOMAIN)

POSTED SPEED	= 50km/h
DESIGN SPEED	= 60km/h
COEFFICIENT OF DECELERATION	= 0.46
REACTION TIME	= 1.5s
OBSERVATION TIME	= 2.0s
SAFE INTERSECTION SIGHT DISTANCE =	= 89m

SUMMARY

THE PROPOSED SCENARIO PROVIDES GREATER SAFE INTERSECTION SIGHT DISTANCE THAN CURRENTLY AVAILABLE.

THIS IS ACHIEVED BY LIMITING RIGHT TURN MOVEMENTS FROM MCCAULEY STREET IN CONJUNCTION WITH THE RESTRICTION OF PARKING IN THE KERB SIDE LANE ON APPROACH TO THE MCCAULEY STREET INTERSECTION.

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	05.07.22	ADDED BUS LANE. MOVED LOADING ZONE	SW	MR
1	23.06.22	SHEET ADDED TO SET	SW	MR



DRAWN: SJW	DESIGNED: SJW
DRAFT CHECK:	DESIGN CHECK:
APPROVED:	
FOR APPROVAL	

THIRROUL PLAZA
PUBLIC DOMAIN WORKS
SIGHT DISTANCE ANALYSIS PLAN

DRAWING NUMBER ISC00115-30-C210	SHEET No.	ORIG. SIZE A1	REVISION 2
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