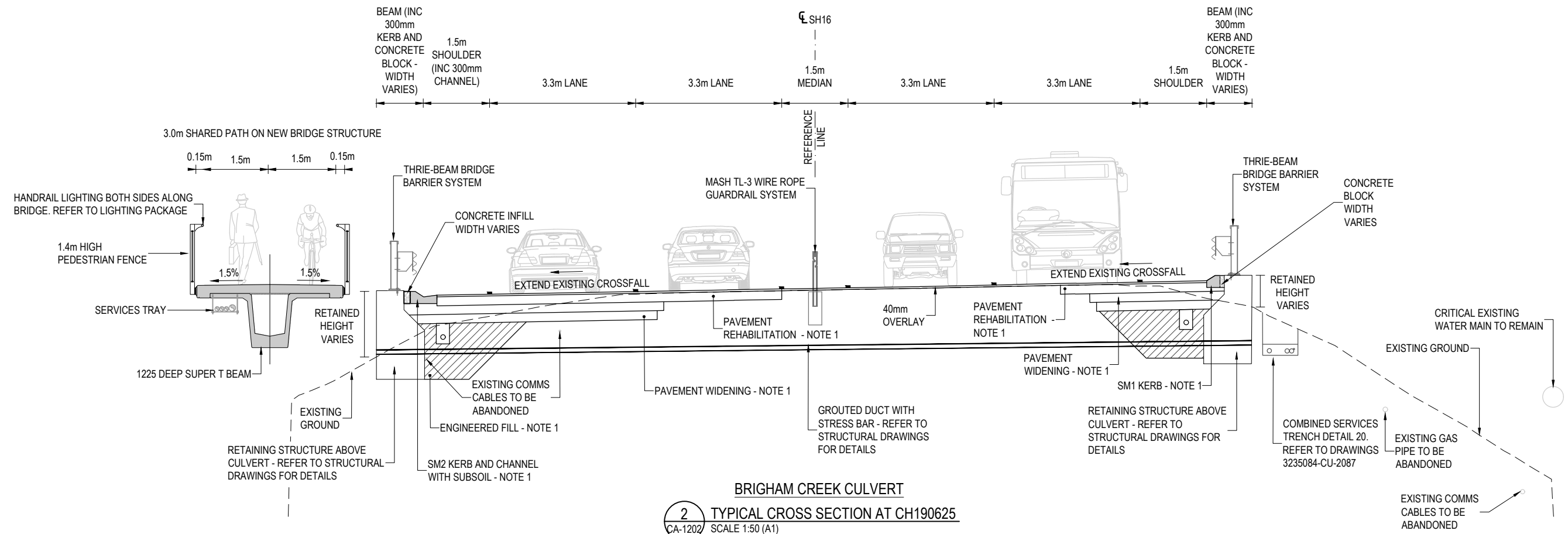
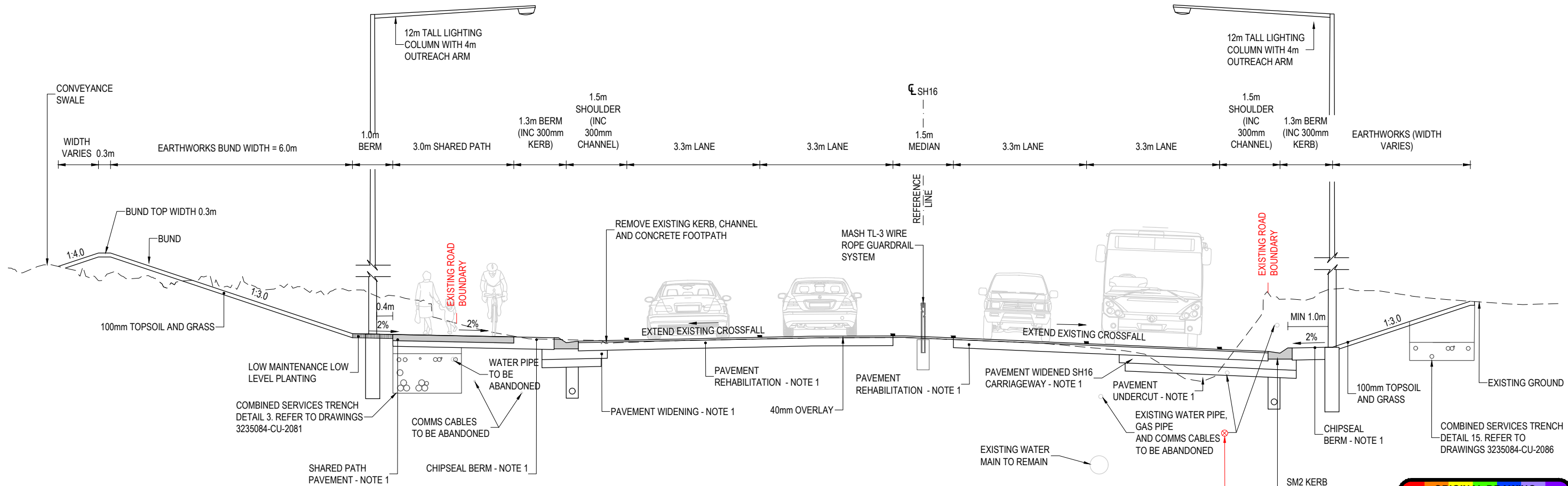




2 TYPICAL CROSS SECTION AT CH190625
CA-1202 SCALE 1:50 (A1)



1 TYPICAL CROSS SECTION AT CH190400
CA-1202 SCALE 1:50 (A1)

NOTES
1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207.
2: REFER TO STRUCTURAL DRAWINGS FOR NEW SHARED PATH BRIDGE STRUCTURE DETAILS.

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



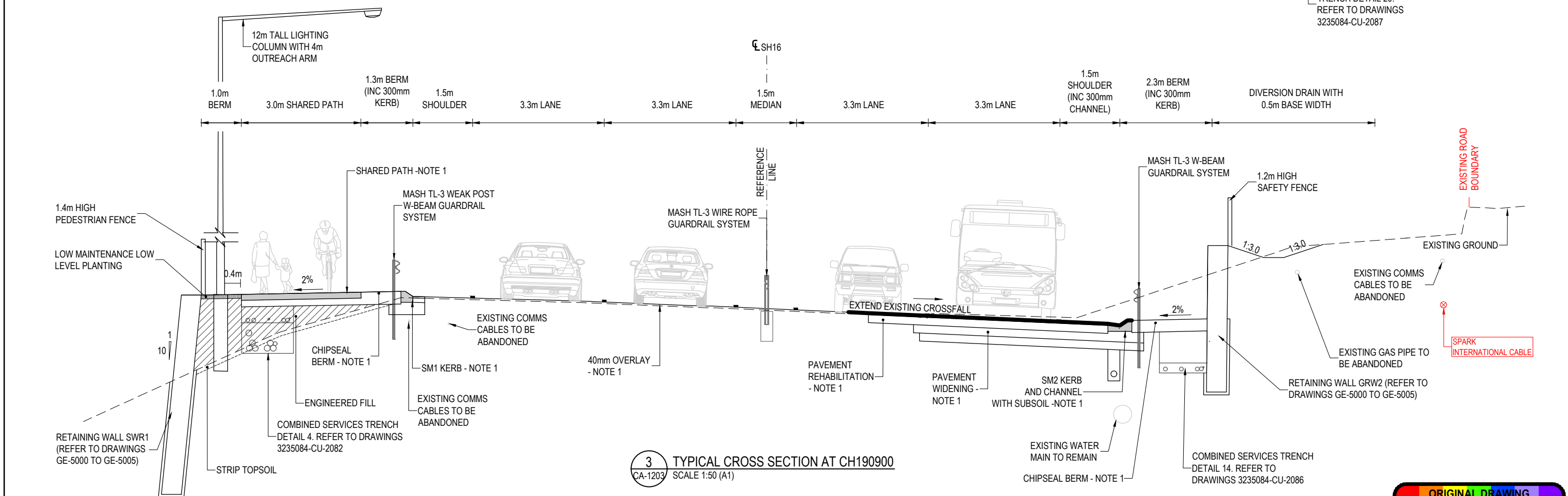
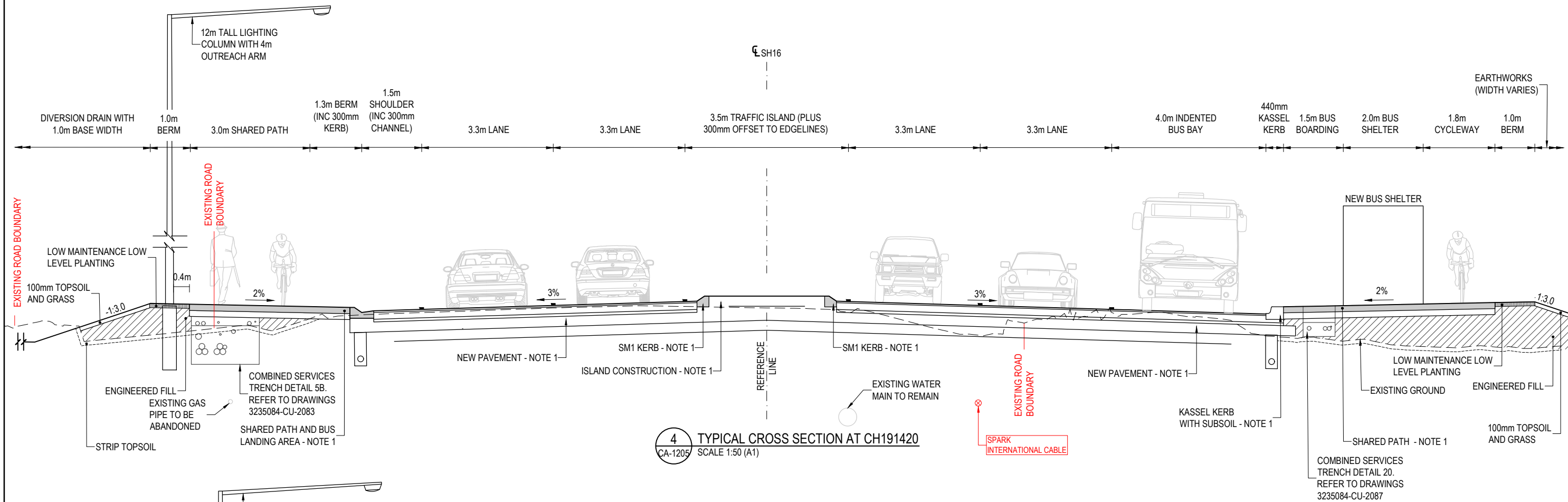
Original Scale (A1)	Design	A. HOLT	26.03.21	Approved For Construction*
Reduced Scale (A3)	Drawn	A. HOLT	26.03.21	Date
1:100	Dwg Check			
	* Refer to Revision 1 for Original Signature			



Project: SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title: TYPICAL CROSS SECTIONS
BRIGHAM CREEK TO COATESVILLE
RIVERHEAD HWY - SHEET 1

Discipline	CIVIL ENGINEERING
Drawing No.	3235084-CG-1301
Rev.	F



NOTE 1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)	Design	A. HOLT	26.03.21	Approved For Construction*
1:50	Drawn	A. HOLT	26.03.21	Date
Reduced Scale (A3)	Dwg Verifier			
1:100	Dwg Check			

* Refer to Revision 1 for Original Signature

Client: **WAKA KOTAHU**
NZ TRANSPORT AGENCY

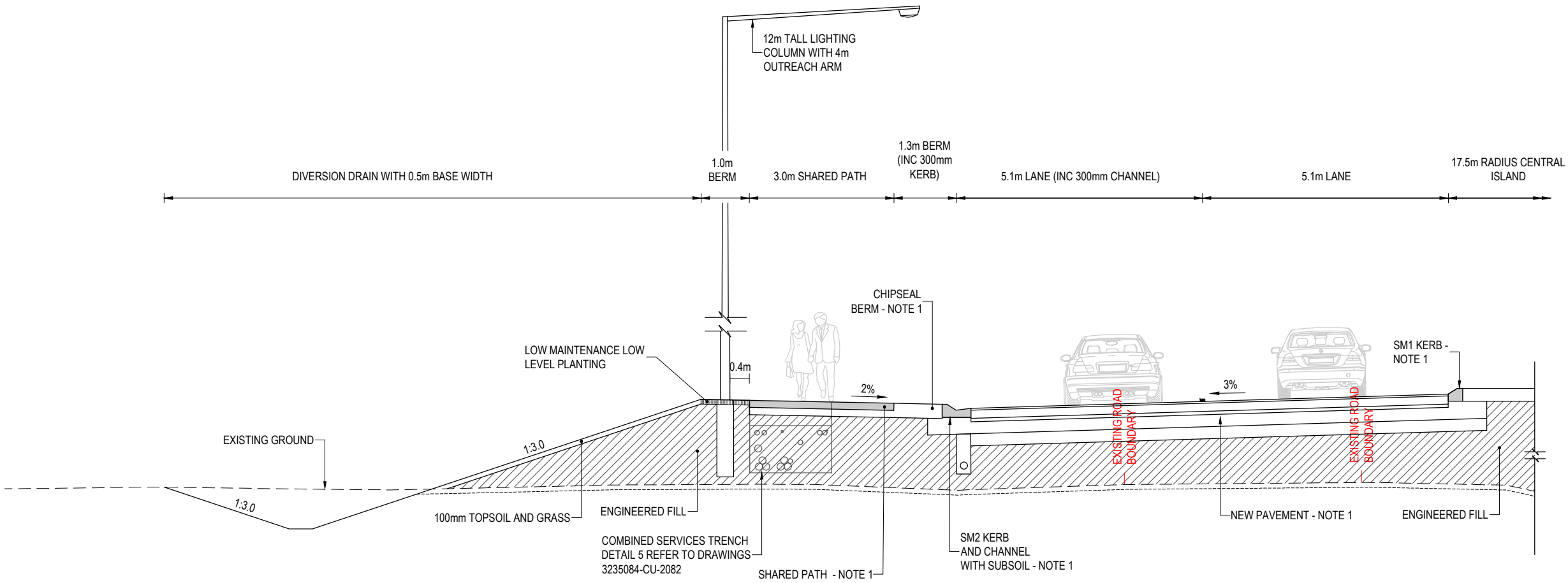
Project: **SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU**

Title: **TYPICAL CROSS SECTIONS
BRIGHAM CREEK TO COATESVILLE
RIVERHEAD HWY - SHEET 2**

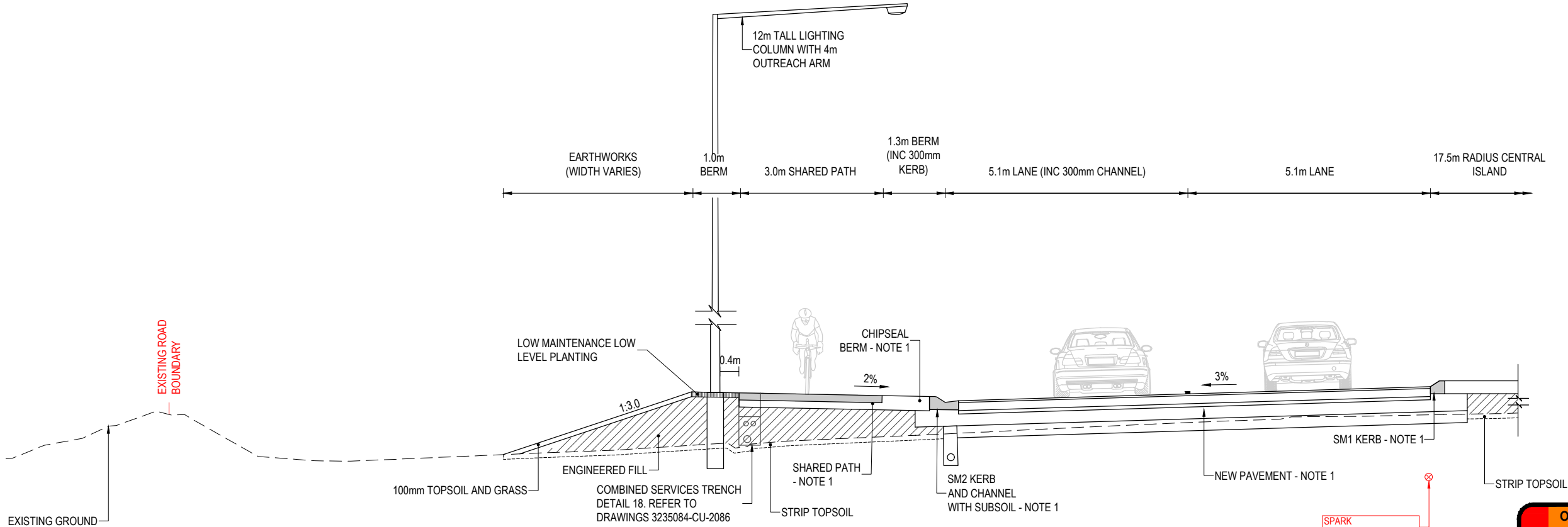
Discipline: **CIVIL ENGINEERING**
Drawing No.: **3235084-CG-1302**
Rev.: **F**

**ORIGINAL DRAWING
IN COLOUR**

**DETAILED DESIGN
NOT FOR CONSTRUCTION**



6 TYPICAL ROUNDABOUT CROSS SECTION AT CH140
CA-1205 SCALE 1:50 (A1)



5 TYPICAL ROUNDABOUT CROSS SECTION AT CH80
CA-1205 SCALE 1:50 (A1)

NOTE 1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:



Original Scale (A1)	Design	A. HOLT	26.03.21	Approved For Construction*
1:50	Drawn	A. HOLT	26.03.21	Date
Reduced Scale (A3)	Dwg Verifier			
1:100	Dwg Check			
	* Refer to Revision 1 for Original Signature			



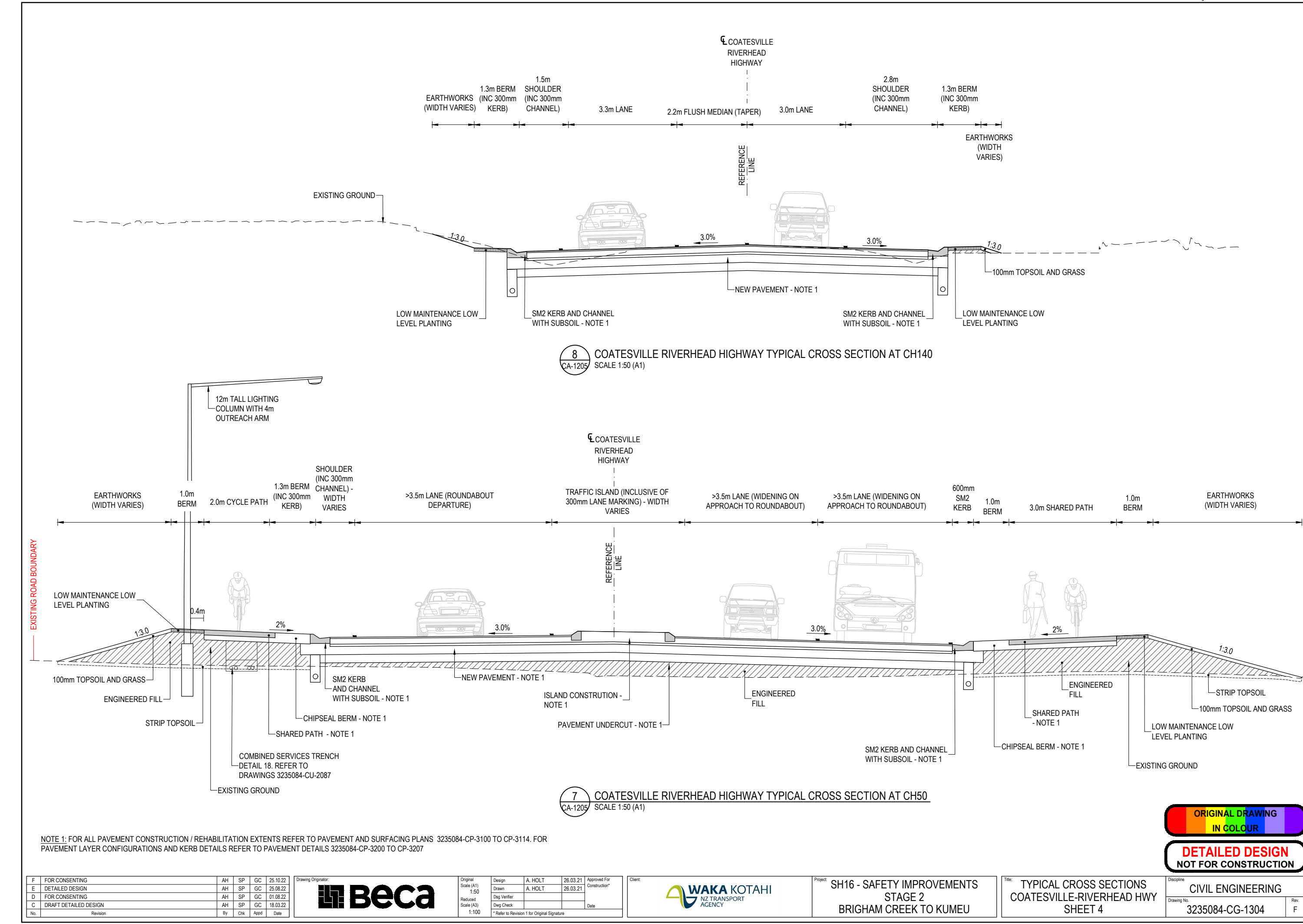
Client: SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title: TYPICAL CROSS SECTIONS
ROUNDABOUT ICD
SHEET 3

Discipline: CIVIL ENGINEERING
Drawing No: 3235084-CG-1303
Rev: F

ORIGINAL DRAWING
IN COLOUR

DETAILED DESIGN
NOT FOR CONSTRUCTION



F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:
Beca

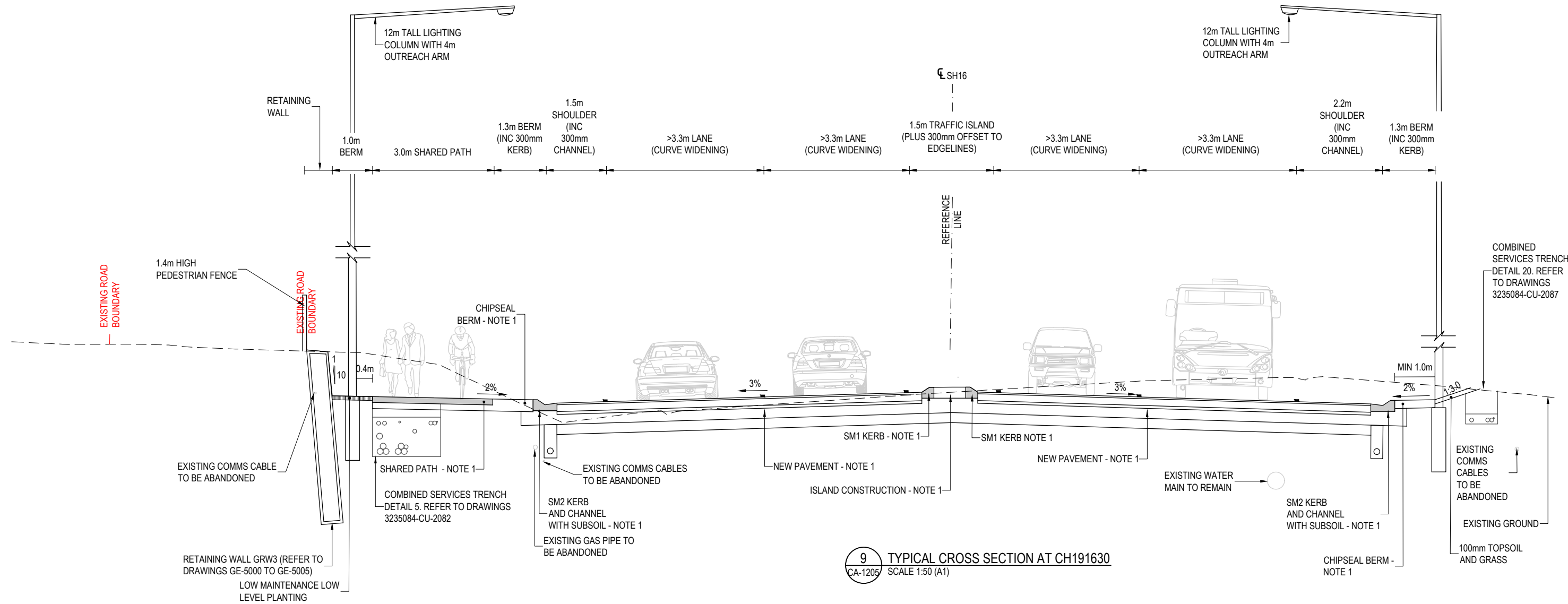
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1:50	Drawn	A. HOLT	26.03.21	Date
Reduced Scale (A3)	Design Check			
1:100	* Refer to Revision 1 for Original Signature			

Client:
WAKA KOTAHU
NZ TRANSPORT AGENCY

Project:
**SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU**

Title:
**TYPICAL CROSS SECTIONS
COATESVILLE-RIVERHEAD HWY
SHEET 4**

Discipline	CIVIL ENGINEERING
Drawing No.	3235084-CG-1304
Rev.	F



9 TYPICAL CROSS SECTION AT CH191630
CA-1205 SCALE 1:50 (A1)

NOTE 1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:
Beca

Original Scale (A1)	Design	A. HOLT	26.03.21	Approved For Construction*
1:50	Drawn	A. HOLT	26.03.21	
Reduced Scale (A3)	Dwg Verifier			Date
1:100	Dwg Check			
	* Refer to Revision 1 for Original Signature			

Client:
WAKA KOTAHU
NZ TRANSPORT AGENCY

Project: SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title: TYPICAL CROSS SECTIONS
COATESVILLE-RIVERHEAD HWY TO
TAUPAKI ROAD - SHEET 5

Discipline	CIVIL ENGINEERING
Drawing No.	3235084-CG-1305
Rev.	F



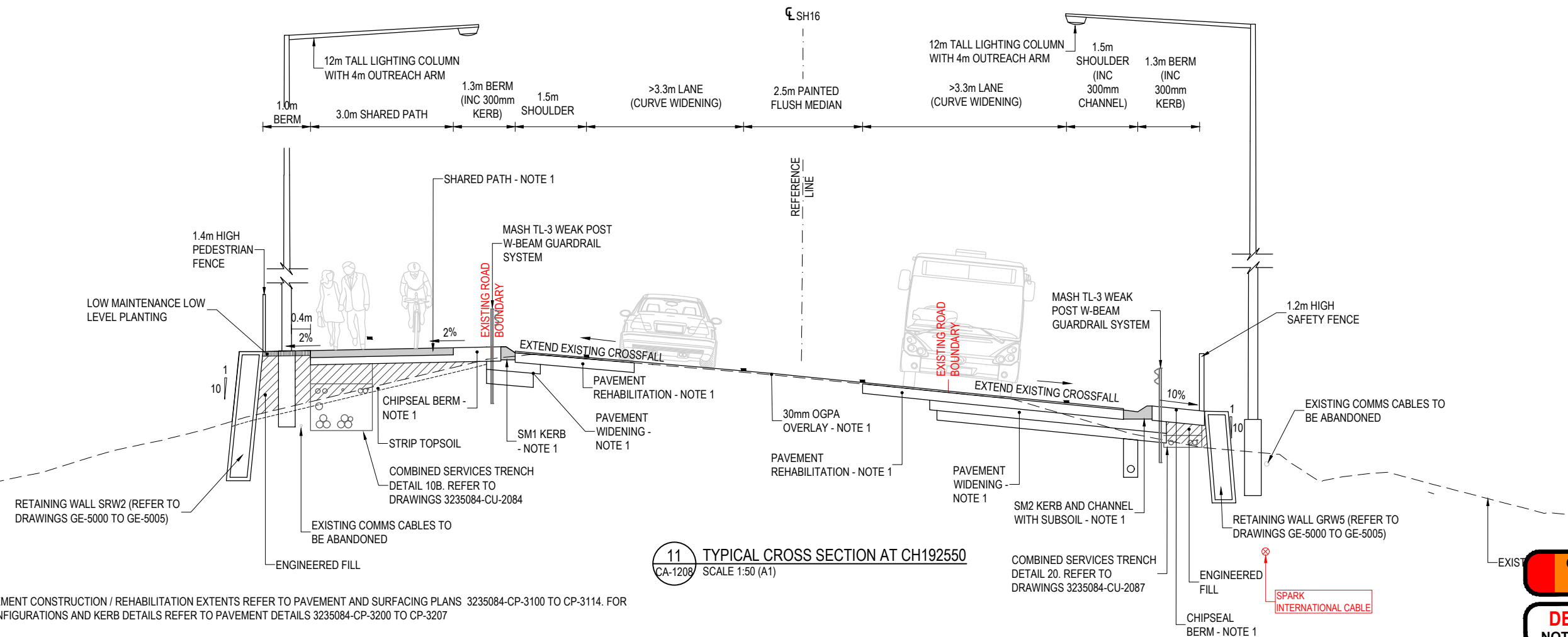
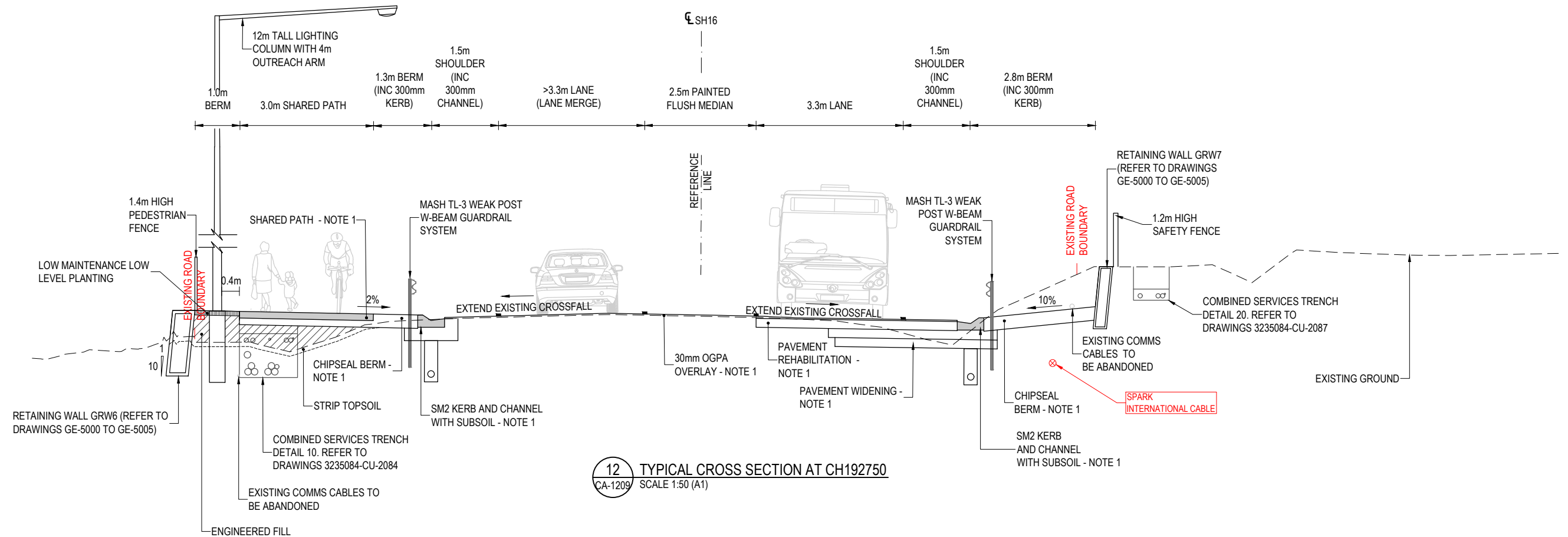
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ORIGINAL DRAWING
IN COLOUR

DETAILED DESIGN
NOT FOR CONSTRUCTION

Discipline		CIVIL ENGINEERING
Drawing No.		Rev.
3235084-CG-1306		F



NOTE 1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:

Beca

Original Scale (A1)
1:50
Reduced Scale (A3)
1:100

Design
A. HOLT
26.03.21
Drawn
A. HOLT
26.03.21
Dwg Check
Date

Approved For Construction
Date

Client:

WAKA KOTAHU
NZ TRANSPORT
AGENCY

Project:

SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title:

TYPICAL CROSS SECTIONS
TAUPAKI ROAD TO
OLD RAILWAY ROAD - SHEET 7

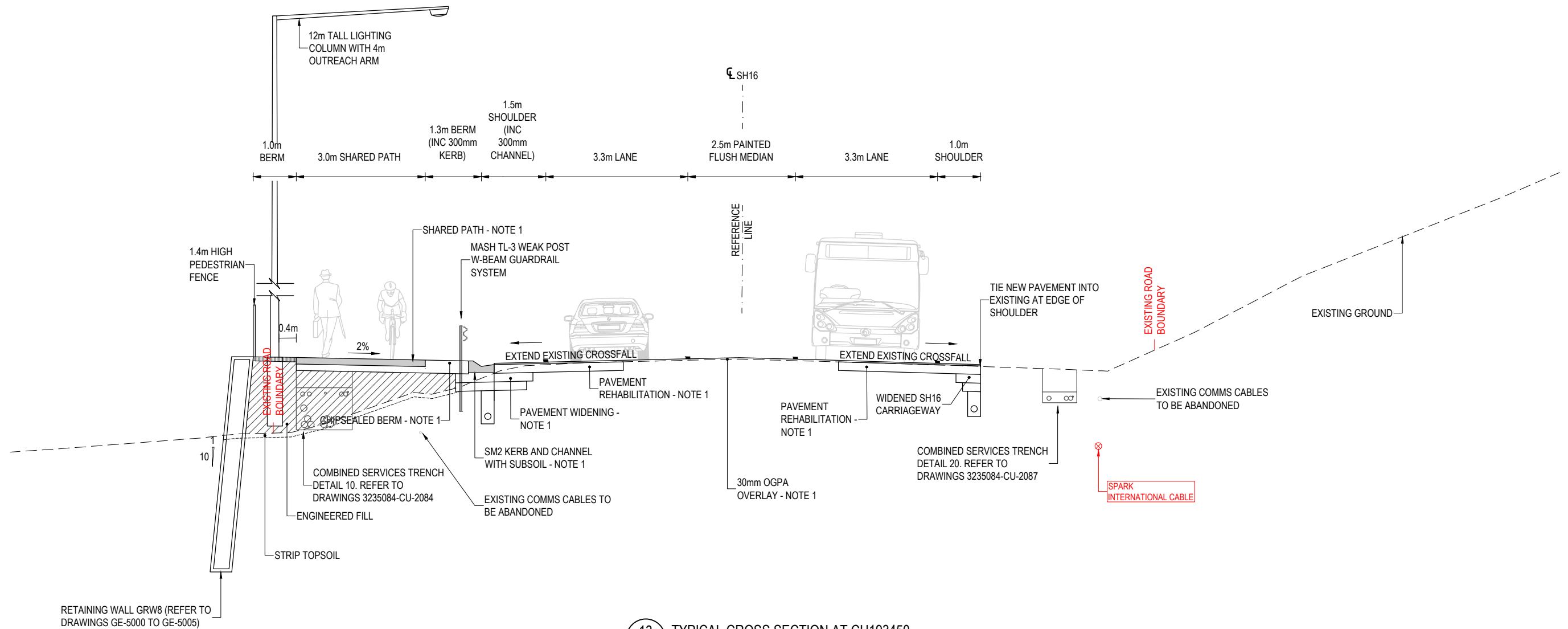
Discipline

CIVIL ENGINEERING

Drawing No.

3235084-CG-1307

Rev.
F



13 TYPICAL CROSS SECTION AT CH193450
CA-1211 SCALE 1:50 (A1)

NOTE 1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:
Beca

Original Scale (A1)	Design	A. HOLT	26.03.21	Approved For Construction*
1:50	Drawn	A. HOLT	26.03.21	
Reduced Scale (A3)	Design Check			Date
1:100				

* Refer to Revision 1 for Original Signature

Client:
WAKA KOTAHU
NZ TRANSPORT AGENCY

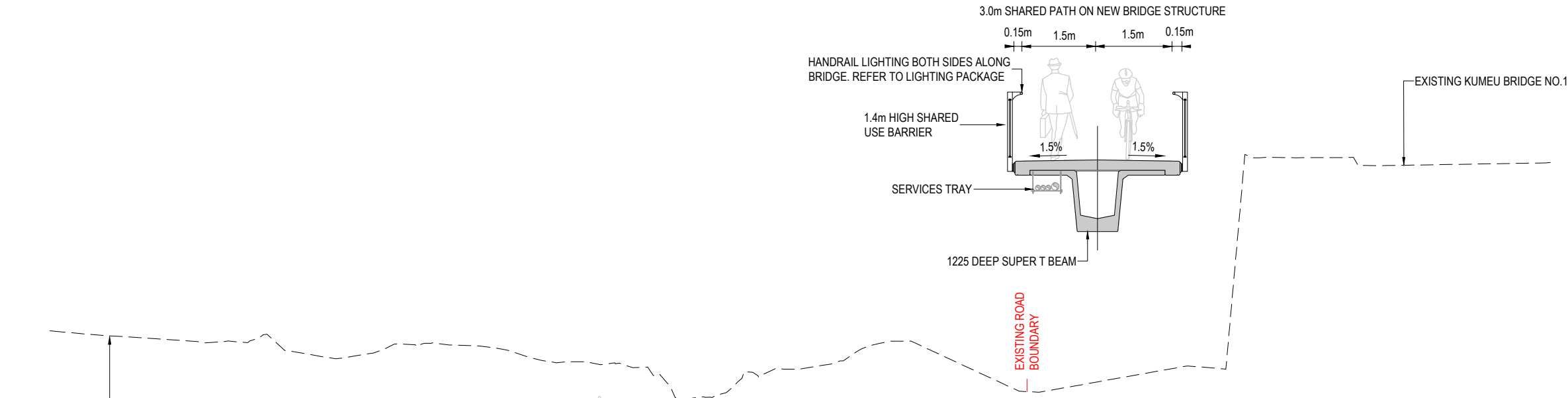
Project: SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title: TYPICAL CROSS SECTIONS
TAUPAKI ROAD TO
OLD RAILWAY ROAD - SHEET 8

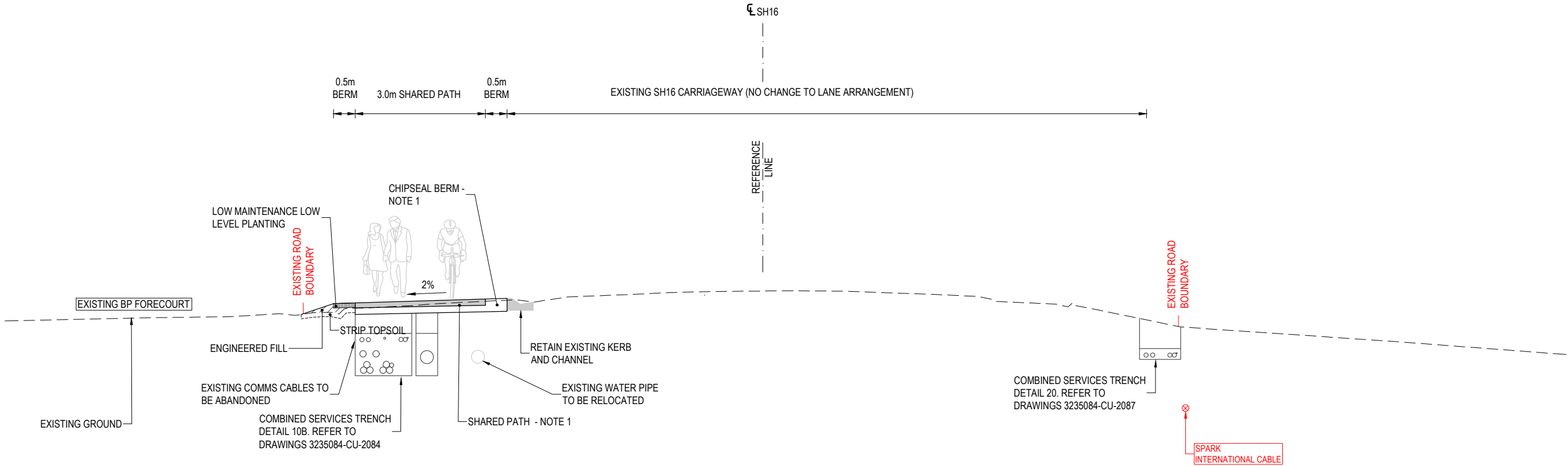
ORIGINAL DRAWING
IN COLOUR

DETAILED DESIGN
NOT FOR CONSTRUCTION

Discipline	CIVIL ENGINEERING
Drawing No.	3235084-CG-1308
Rev.	F



15 TYPICAL CROSS SECTION AT CH194010
CA-1212 SCALE 1:50 (A1)



14 TYPICAL CROSS SECTION AT CH193660
CA-1211 SCALE 1:50 (A1)

NOTES
1: FOR ALL PAVEMENT CONSTRUCTION / REHABILITATION EXTENTS REFER TO PAVEMENT AND SURFACING PLANS 3235084-CP-3100 TO CP-3114. FOR PAVEMENT LAYER CONFIGURATIONS AND KERB DETAILS REFER TO PAVEMENT DETAILS 3235084-CP-3200 TO CP-3207.
2. REFER TO STRUCTURAL DRAWINGS FOR NEW SHARED PATH BRIDGE STRUCTURE DETAILS.

ORIGINAL DRAWING
IN COLOUR

DETAILED DESIGN
NOT FOR CONSTRUCTION

F	FOR CONSENTING	AH	SP	GC	25.10.22
E	DETAILED DESIGN	AH	SP	GC	25.08.22
D	FOR CONSENTING	AH	SP	GC	01.08.22
C	DRAFT DETAILED DESIGN	AH	SP	GC	18.03.22
No.	Revision	By	Chk	Appd	Date

Drawing Originator:
Beca

Original Scale (A1)	1:50	Design	A. HOLT	26.03.21	Approved For Construction*
Reduced Scale (A3)	1:100	Drawn	A. HOLT	26.03.21	Date
		Dwg Verifier			
		Dwg Check			
		* Refer to Revision 1 for Original Signature			

Client:
WAKA KOTAHU
NZ TRANSPORT AGENCY

Project: SH16 - SAFETY IMPROVEMENTS
STAGE 2
BRIGHAM CREEK TO KUMEU

Title: TYPICAL CROSS SECTIONS
OLD RAILWAY ROAD TO KUMEU
SHEET 9

Discipline	CIVIL ENGINEERING
Drawing No.	3235084-CG-1309
Rev.	F