NOTES

1. REFER TO UTILITIES NOTES ON DRAWING 3230635-CA-0003
2. UTILITIES PLANS HAVE BEEN CREATED USING beforeUdig RECORDS. UTILITIES TYPICAL SECTIONS HAVE BEEN CREATED USING GPR RECORDS. RECONCILIATION OF THE TWO WILL BE DONE WHEN SLOT TRENCHING RECORDS HAVE BEEN RECEIVED.
3. WATER AND WASTEWATER UTILITY SIZES AND MATERIALS TAKEN FROM AUCKLAND COUNCIL GEOMAPS.
4. TYPICAL CROSS SECTIONS WILL BE UPDATED AT DETAILED DESIGN TO REFLECT THE FINDINGS FROM SLOT TRENCHES.

MATERIALS

AC - ASBESTOS CONCRETE

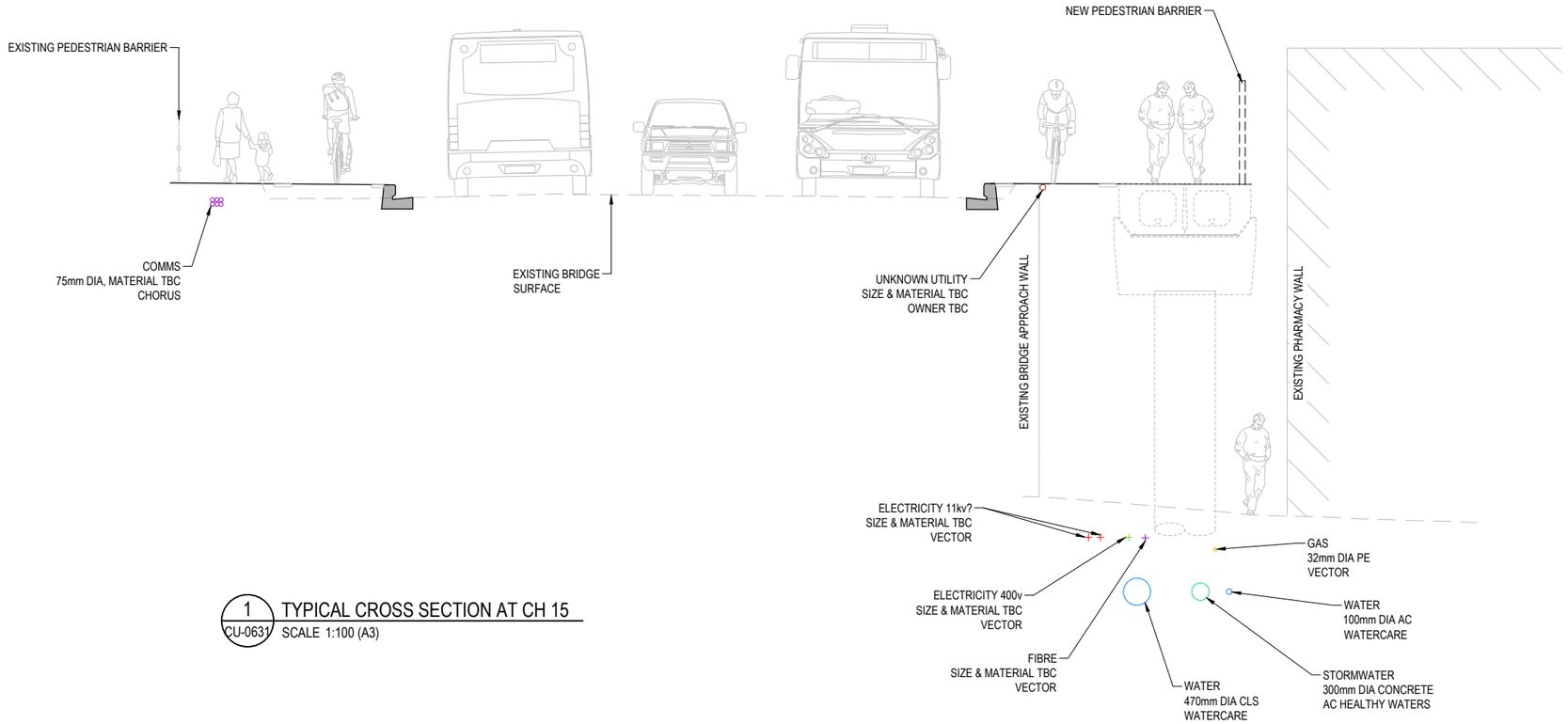
CLS - CEMENT LINED STEEL

CI - CAST IRON

DI - DUCTILE IRON

PE - POLYETHYLENE

VC - VITRIFIED CLAY



1 / CU-0631 TYPICAL CROSS SECTION AT CH 15
SCALE 1:100 (A3)

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	PRELIMINARY DESIGN	WS	LA	CMA	18.12.24
A	CONCEPT DESIGN	WS	LA	CMA	18.10.24

Original Scale (A1)	1:50	Design	W. SIDYOT 18.10.24
Reduced Scale (A3)	1:100	Drawn	S. BENEPAL 18.10.24
		Dsg Verifier	
		Drg Check	

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Beca | Boffa Miskell

Client:

Project: CARRINGTON ROAD IMPROVEMENTS PROJECT

Title: UTILITIES TYPICAL CROSS SECTION SHEET 1

Discipline: CIVIL ENGINEERING

Drawing No.: 3230635-CU-0651

Rev.: B

Document No. 3230635-CU-0651.DWG

DO NOT SCALE FOR SET OUT DIMENSIONS

NOTES

1. REFER TO UTILITIES NOTES ON DRAWING 3230635-CA-0003
2. UTILITIES PLANS HAVE BEEN CREATED USING beforeUdig RECORDS. UTILITIES TYPICAL SECTIONS HAVE BEEN CREATED USING GPR RECORDS. RECONCILIATION OF THE TWO WILL BE DONE WHEN SLOT TRENCHING RECORDS HAVE BEEN RECEIVED.
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MATERIALS

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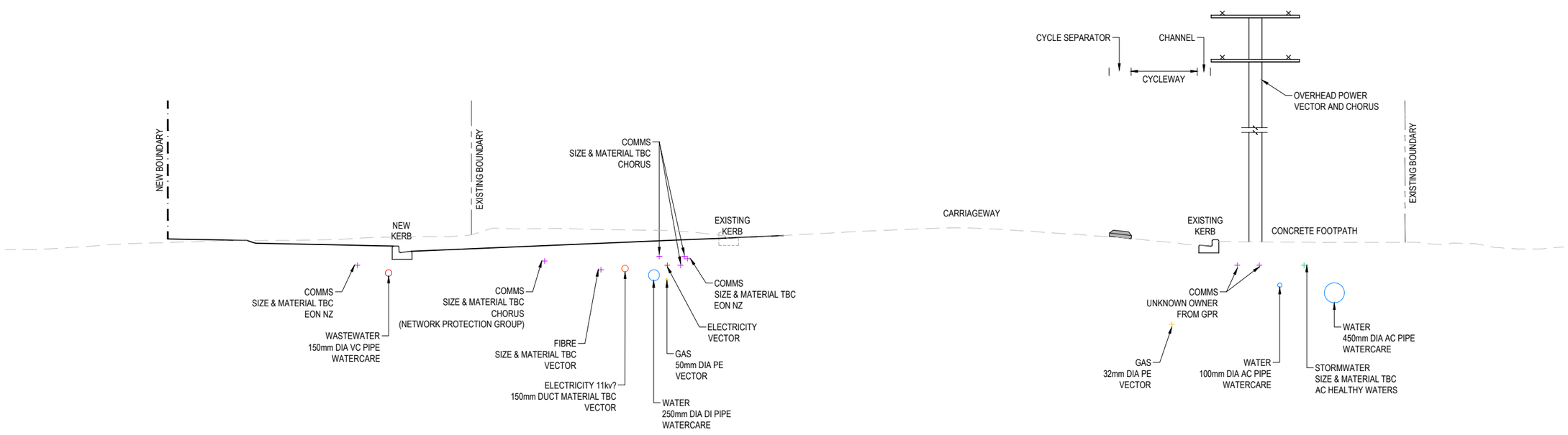
CLS - CEMENT LINED STEEL

CI - CAST IRON

DI - DUCTILE IRON

PE - POLYETHYLENE

VC - VITRIFIED CLAY



2 CU-0635 CARRINGTON RD CROSS SECTION - CH 790
SCALE 1:100 (A3)

No.	Revision	By	Chk	Appd	Date
B	PRELIMINARY DESIGN	WS	LA	CMA	18.12.24
A	CONCEPT DESIGN	WS	LA	CMA	18.10.24

Original Scale (A1) 1:50	Design	W. SIDYOT	18.10.24
	Drawn	S. BENEPAL	18.10.24
Reduced Scale (A3) 1:100	Dsg Verifier		
	Drg Check		
Approved For Construction* Date	* Refer to Revision 1 for Original Signature		

Beca Bonla Miskell

Client:

Project: CARRINGTON ROAD IMPROVEMENTS PROJECT

Title: UTILITIES TYPICAL CROSS SECTION SHEET 2

Discipline: CIVIL ENGINEERING

Drawing No.: 3230635-CU-0652

Rev.: B

PRELIMINARY
NOT FOR CONSTRUCTION

Document No. 3230635-CU-0652.DWG

DO NOT SCALE FOR SET OUT DIMENSIONS

NOTES

1. REFER TO UTILITIES NOTES ON DRAWING 3230635-CA-0003
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MATERIALS

AC - ASBESTOS CONCRETE

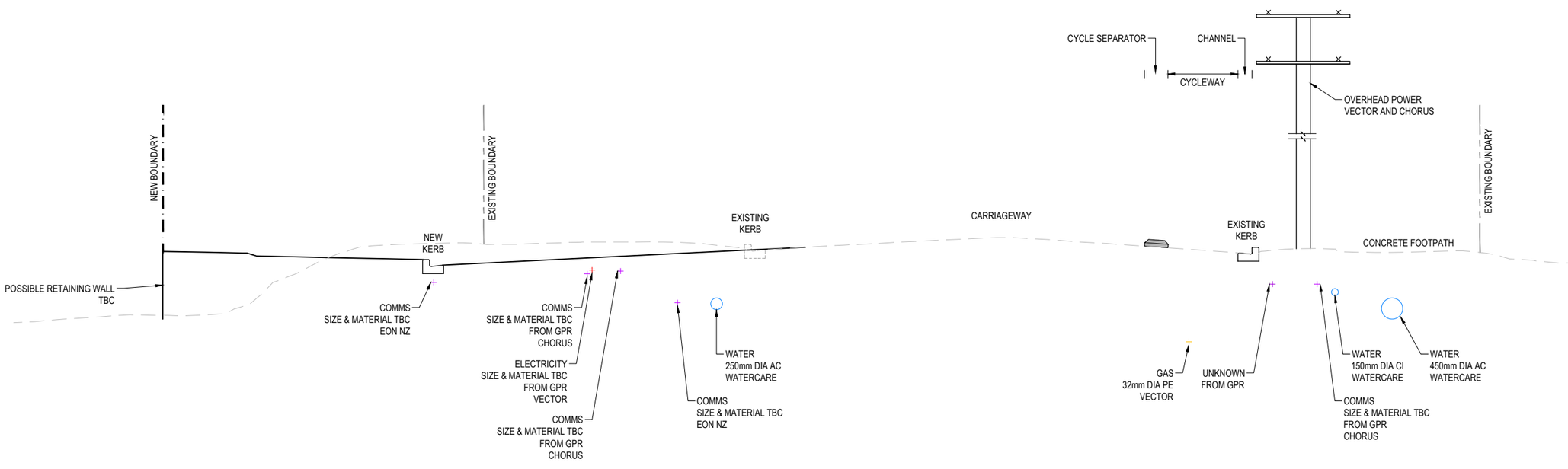
CLS - CEMENT LINED STEEL

CI - CAST IRON

DI - DUCTILE IRON

PE - POLYETHYLENE

VC - VITRIFIED CLAY



3 CU-0637 CARRINGTON RD CROSS SECTION - CH 1125

SCALE 1:100 (A3)

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	PRELIMINARY DESIGN	WS	LA	CMA	18.12.24
A	CONCEPT DESIGN	WS	LA	CMA	18.10.24

Original Scale (A1) 1:50	Design	W. SIDYOT	18.10.24
	Drawn	S. BENEPAL	18.10.24
Reduced Scale (A3) 1:100	Dsg Verifier		
	Drg Check		

Approved For Construction* Date

* Refer to Revision 1 for Original Signature

Beca | Boffa Miskell

Client:

Project: CARRINGTON ROAD IMPROVEMENTS PROJECT

Title: UTILITIES TYPICAL CROSS SECTION SHEET 3

Discipline: CIVIL ENGINEERING

Drawing No.: 3230635-CU-0653

Rev.: B

Document No. 3230635-CU-0653.DWG

DO NOT SCALE FOR SET OUT DIMENSIONS

NOTES

1. REFER TO UTILITIES NOTES ON DRAWING 3230635-CA-0003
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MATERIALS

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CLS - CEMENT LINED STEEL

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DI - DUCTILE IRON

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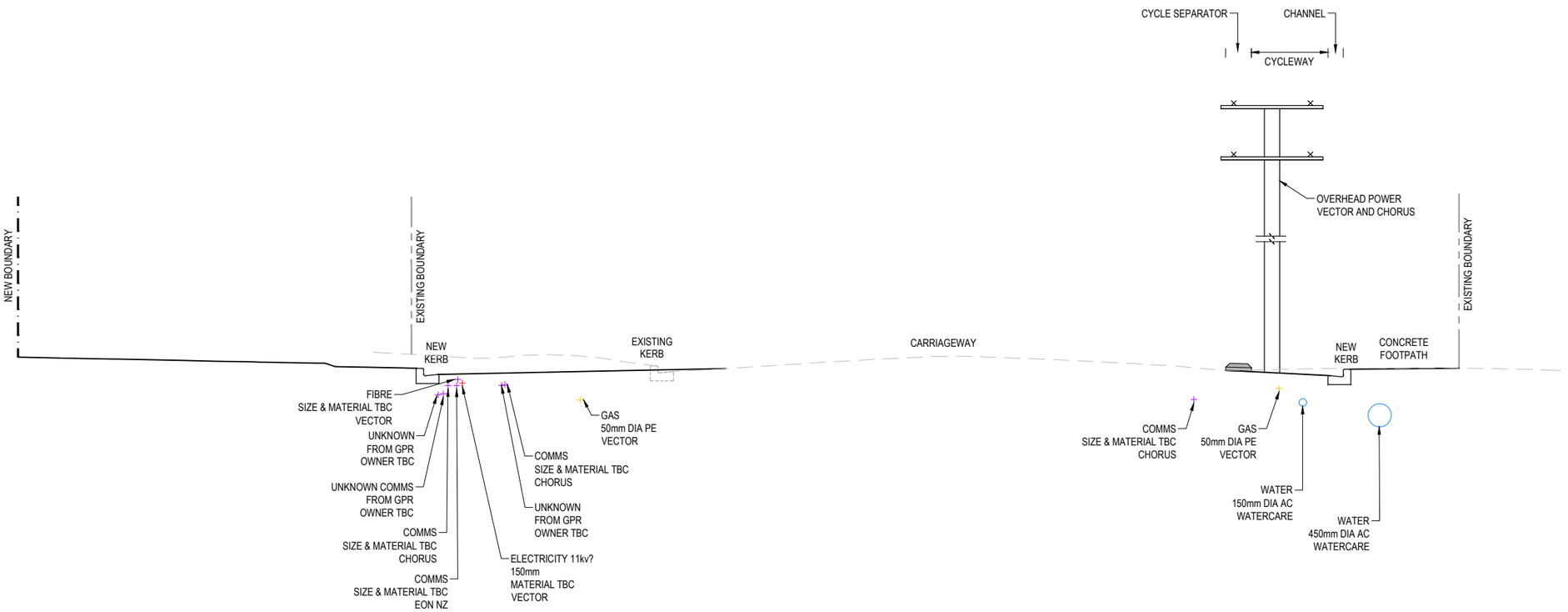
VC - VITRIFIED CLAY



4 CU-0638 CARRINGTON RD CROSS SECTION - CH 1350
SCALE 1:100 (A3)

PRELIMINARY
NOT FOR CONSTRUCTION

No.	Revision	By	Chk	Appd	Date
B	PRELIMINARY DESIGN	WS	LA	CMA	18.12.24
A	CONCEPT DESIGN	WS	LA	CMA	18.10.24

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

Design	W. SIDYOT	18.10.24	Approved For Construction*
Drawn	S. BENEPAL	18.10.24	
Dsg Verifier			
Drg Check			Date

* Refer to Revision 1 for Original Signature

Beca | Boffa Miskell

Client:

Project: CARRINGTON ROAD IMPROVEMENTS PROJECT

Title: UTILITIES TYPICAL CROSS SECTION SHEET 4

Discipline: CIVIL ENGINEERING

Drawing No. 3230635-CU-0654

Rev. B

Document No. 3230635-CU-0654.DWG

DO NOT SCALE FOR SET OUT DIMENSIONS