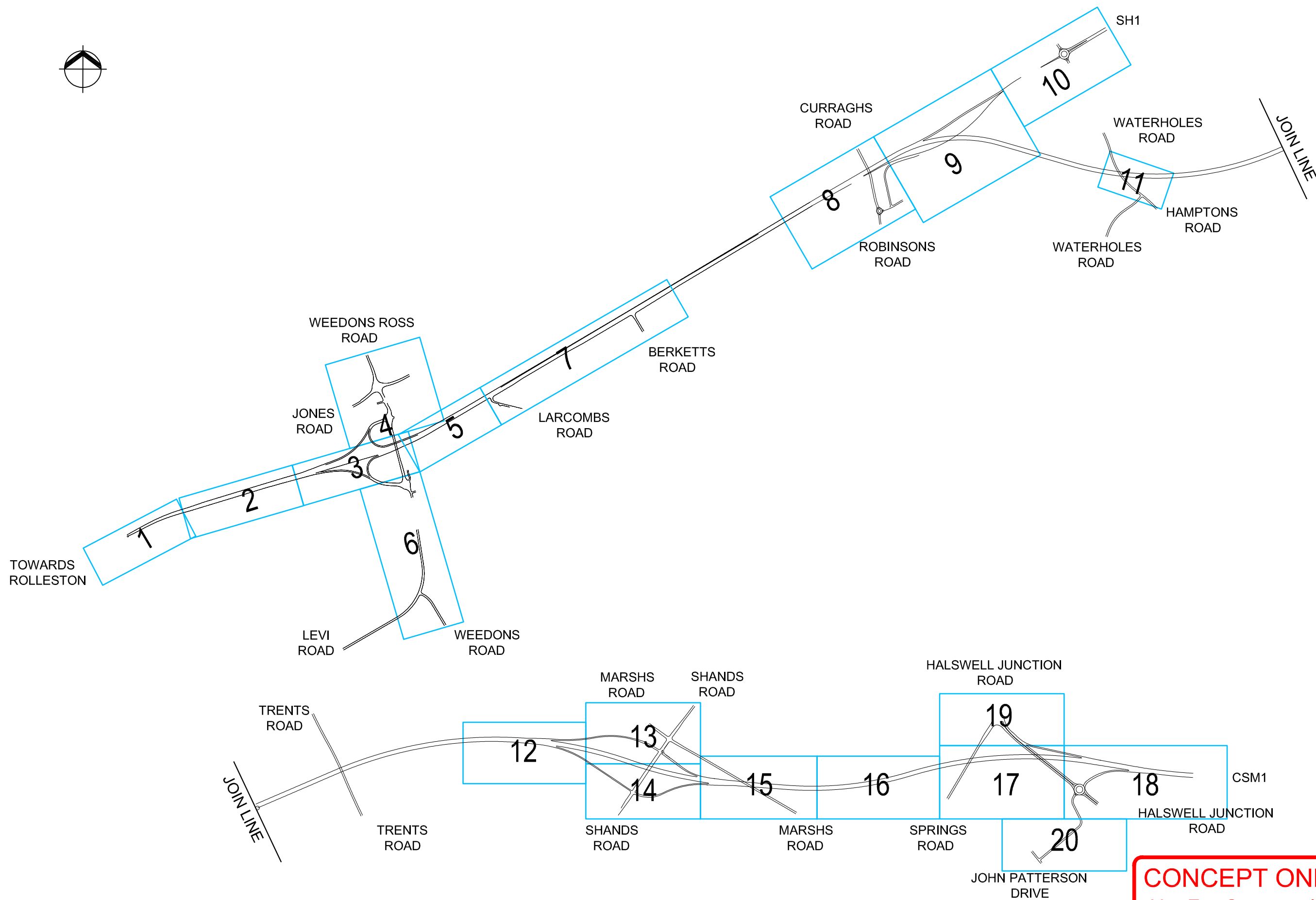


Christchurch Southern Motorway Stage 2 and Main South Road Four-Laning



Road Lighting
CONCEPT DESIGN



CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
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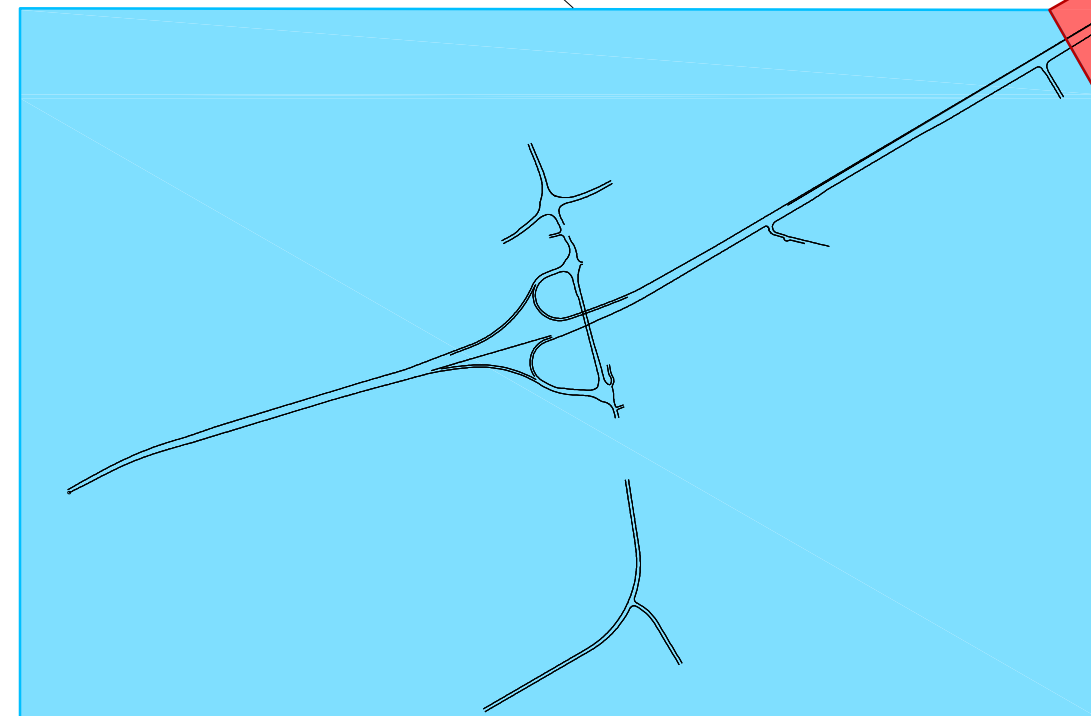
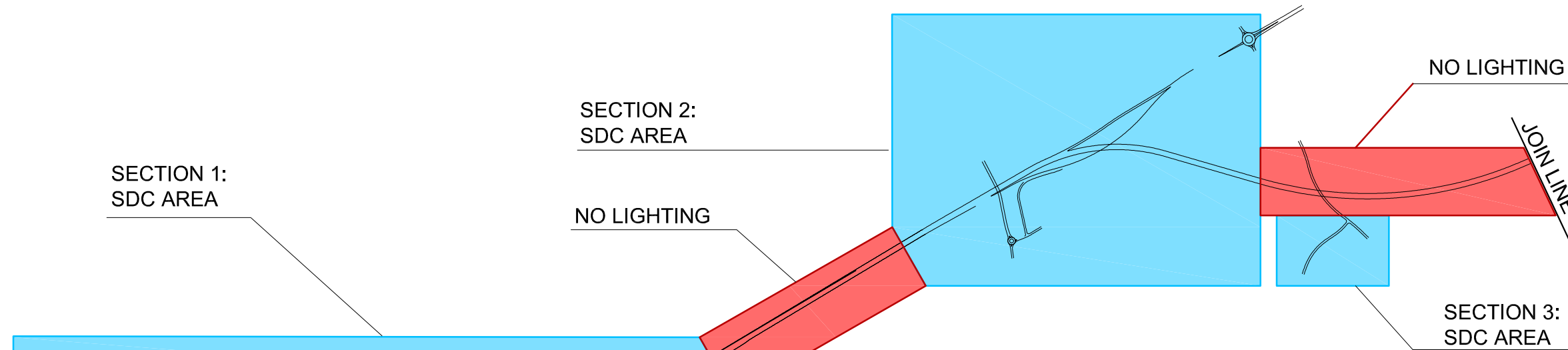
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	Dwg Check	SM <td>05-12 <td>Date</td> </td>	05-12 <td>Date</td>	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM 2 & MSRFL

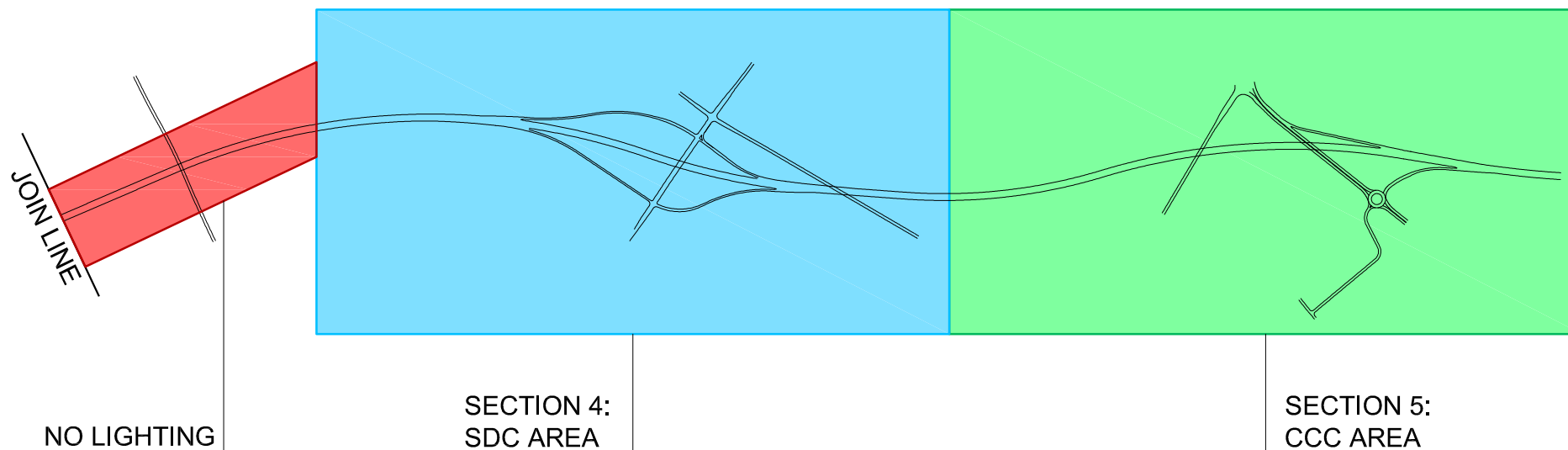
Title: CONCEPT DESIGN
LOCALITY PLAN

Discipline	LIGHTING
Drawing No.	Meters
16.001630	Rev. A



SHEET ORDER: (Refer To Locality Plan for Sheet Numbering)

SHEETS	1 TO 7	SECTION 1: WEEDONS ROAD INTERCHANGE LARCOMBS ROAD INTERSECTION BERKETTS INTERSECTION
SHEETS	8 TO 10	SECTION 2: CSM 2 / MSRFL JUNCTION WATERHOLES ROAD ROUND-ABOUT
SHEETS	11 TO 11	SECTION 3: WATERHOLES UNDERPASS
SHEETS	12 TO 15	SECTION 4: SHANDS ROAD INTERCHANGE
SHEETS	16 TO 20	SECTION 5: SPRINGS ROAD AND HALSWELL JUNCTION ROAD UNDERPASS JOHN PATERSON DRIVE LINK ROAD



A	UPDATED ROAD ALIGNMENT	BH	SM	27-06-12	
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-					
No.	Revision	By	Chk	Appd	Date



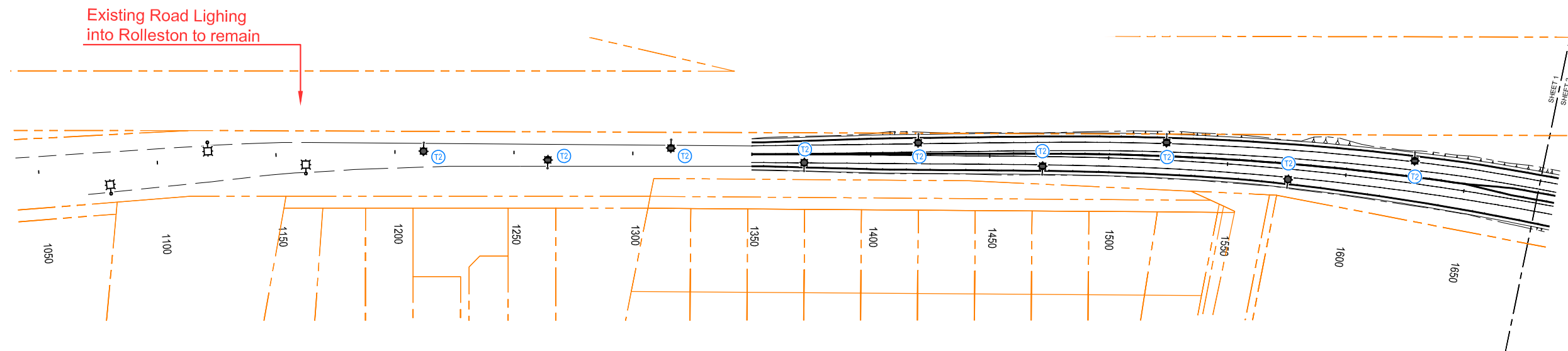
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




Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM 2 & MSRFL

Title: CONCEPT DESIGN
SHEET ORDER

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630		A



SYMBOLS:

-  Existing lighting column and luminaire to remain
-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Existing edge of seal
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12



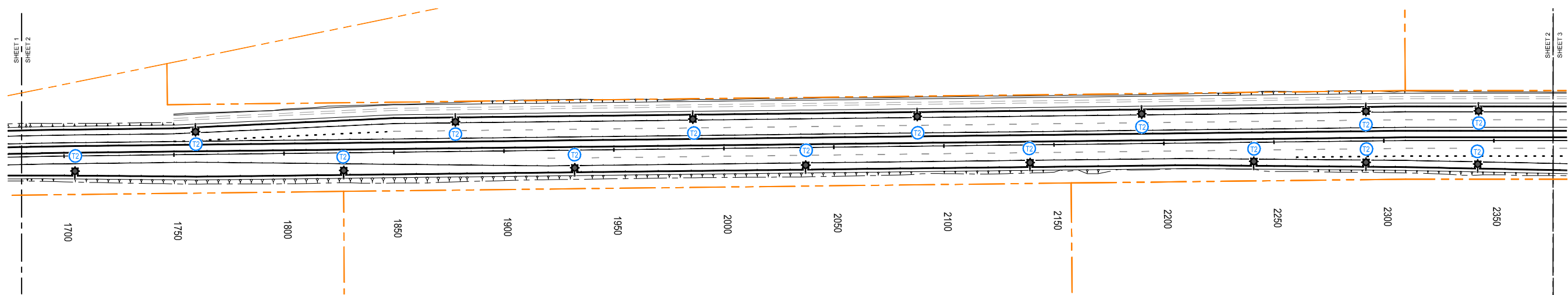
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	Dwg Check	SM	05-12	05-12			



Client:	SH1 & SH76
Project:	CHRISTCHURCH SOUTHERN MOTORWAY CSM2 & MSRFL

Title:	CONCEPT DESIGN
	SHEET 01 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	1050m to 1650m	B



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Luminaire Type 2 "Semi Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



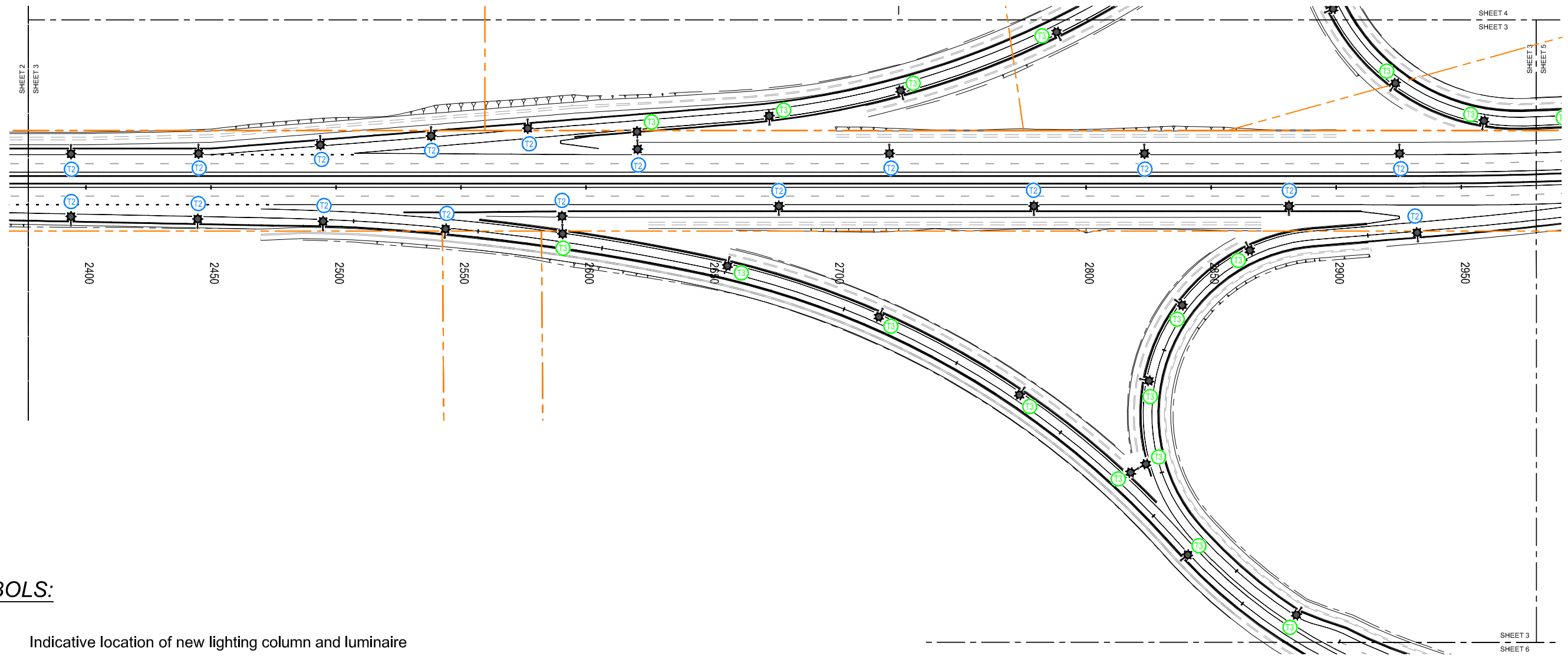
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	Dwg Check	SM	05-12	Date







Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 02 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	1700m to 2350m	B



SYMBOLS:

-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



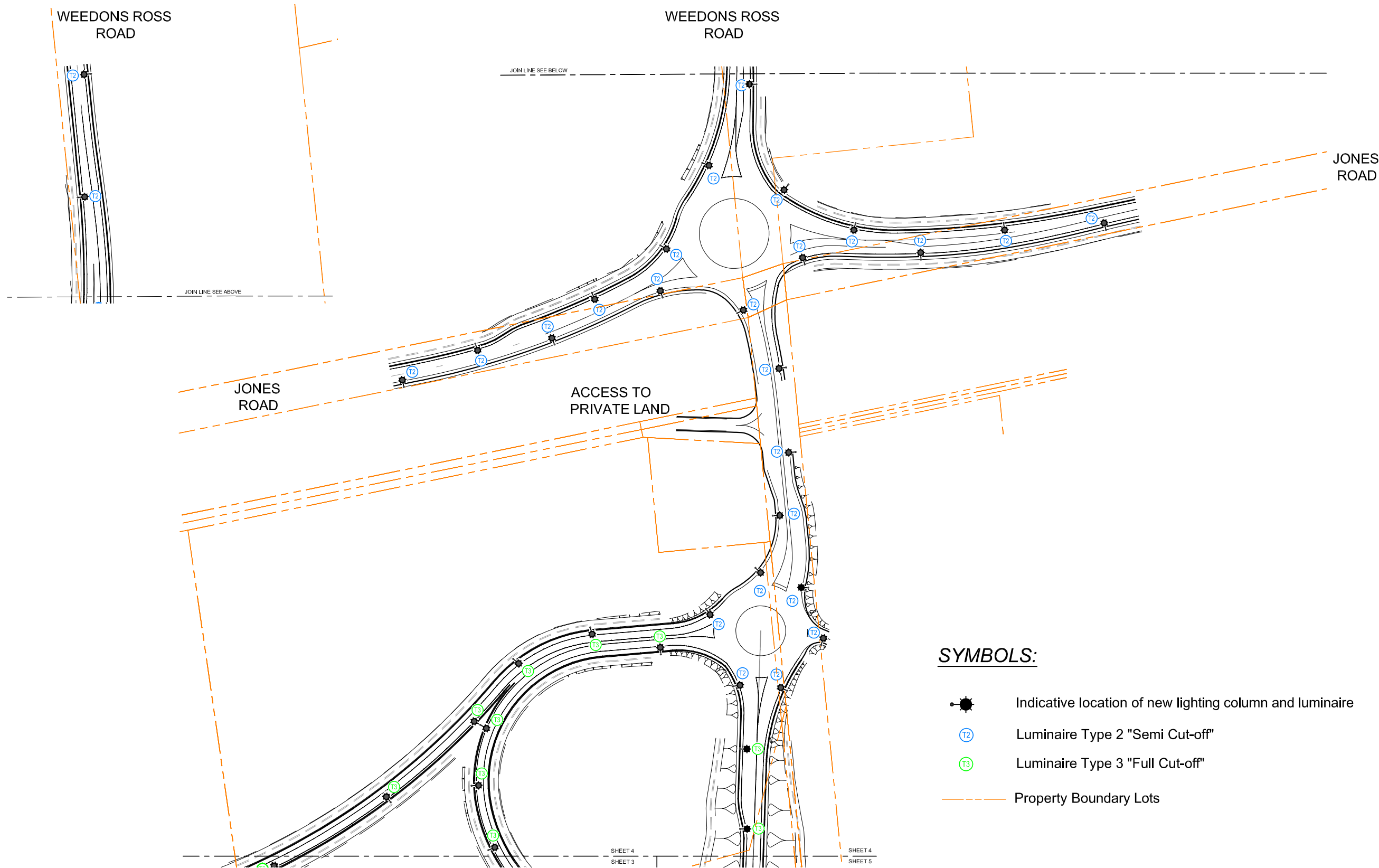
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	Dwg Check	SM	05-12	Date







Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 03 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	2400m to 2950m	B



SYMBOLS:

-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
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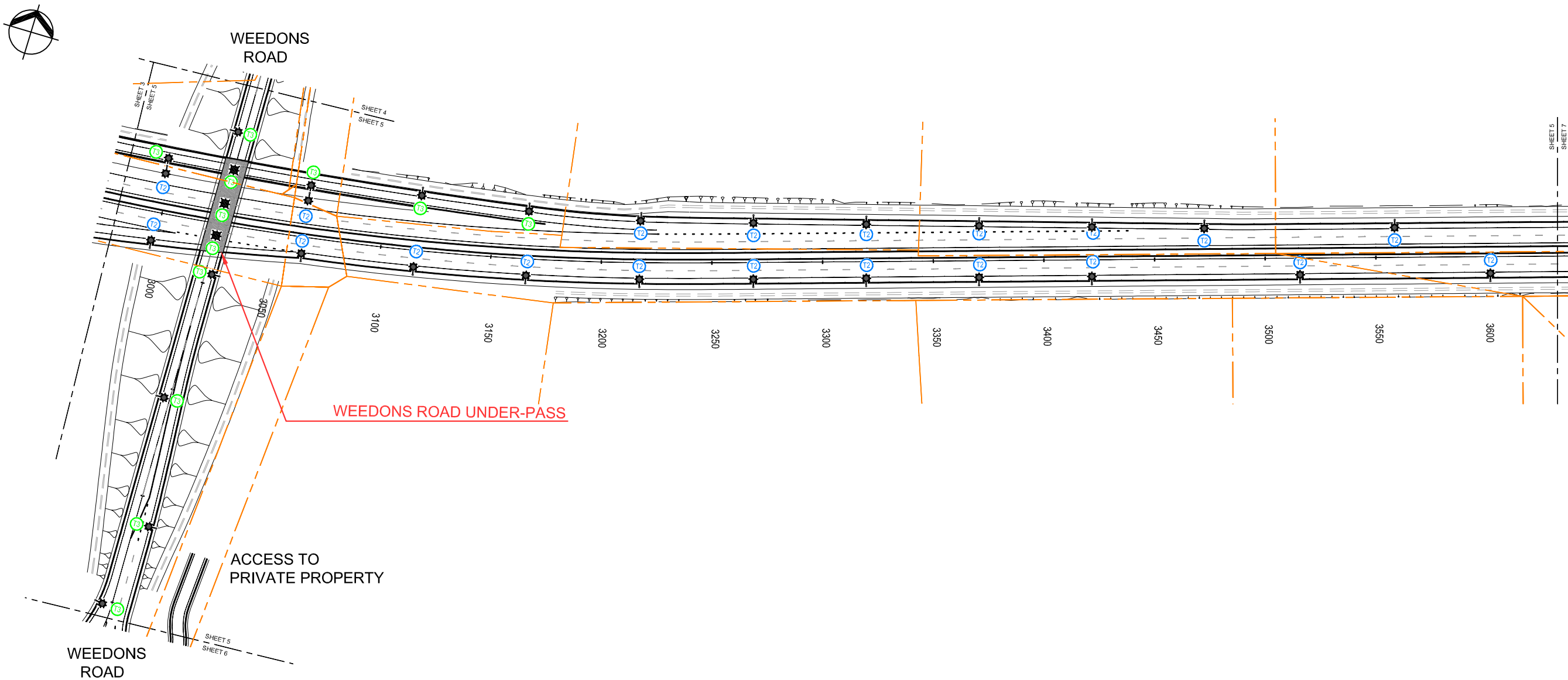
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Drawn	BH	04-12	Approved For Construction*		
Dwg Verifier	SM	05-12			
Dwg Check	SM	05-12	Date		



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 04 OF 20

Discipline		LIGHTING	
Drawing No.	Meters	Rev.	
16.001630	N/A	B	



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Indicative location of new surface mounted underpass luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
-					
No.	Revision	By	Chk	Appd	Date



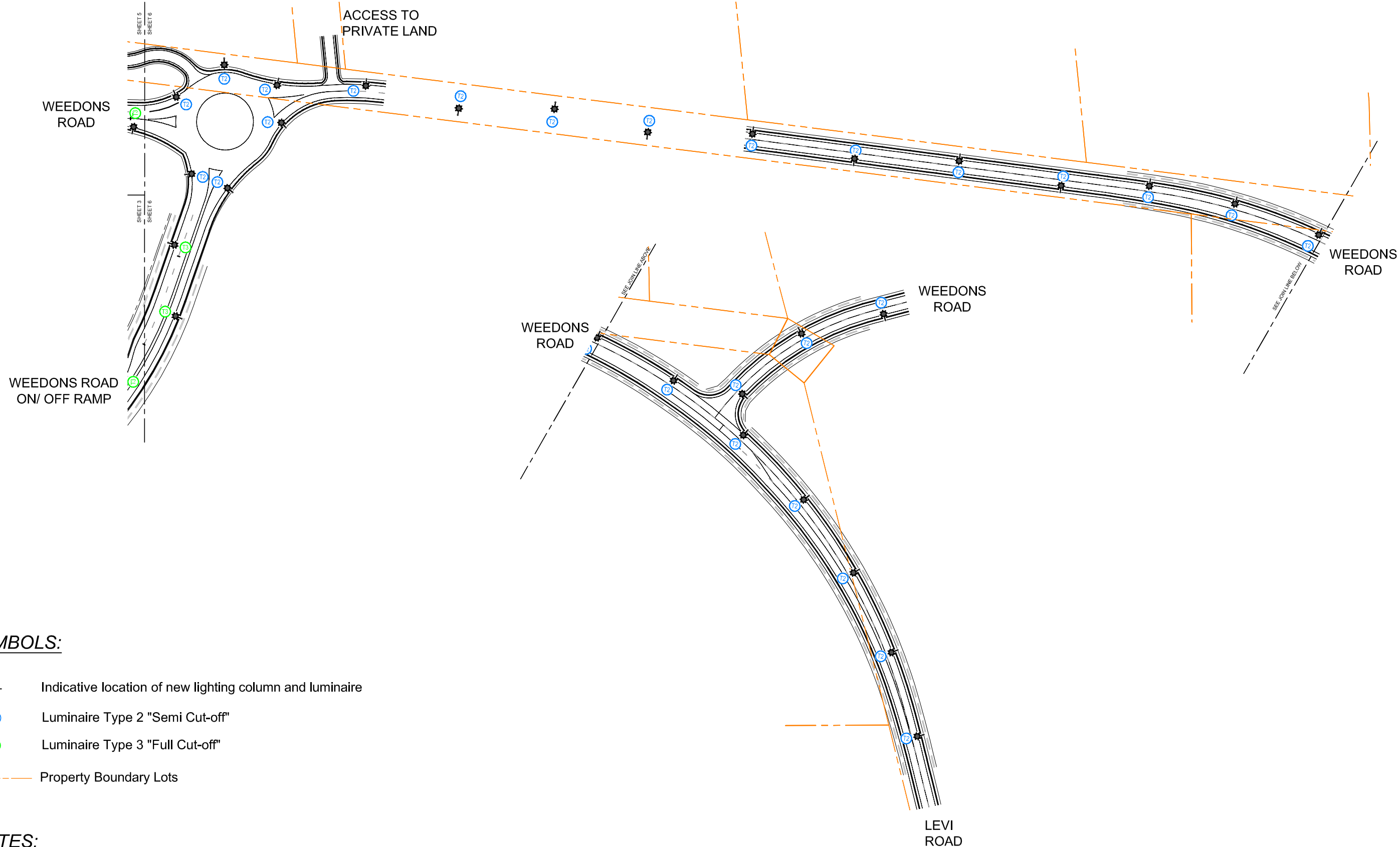
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	Dwg Check	SM	05-12	



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 05 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	3000m to 3650m	B



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

**CONCEPT ONLY
Not For Construction**

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
-					
No.	Revision	By	Chk	Appd	Date



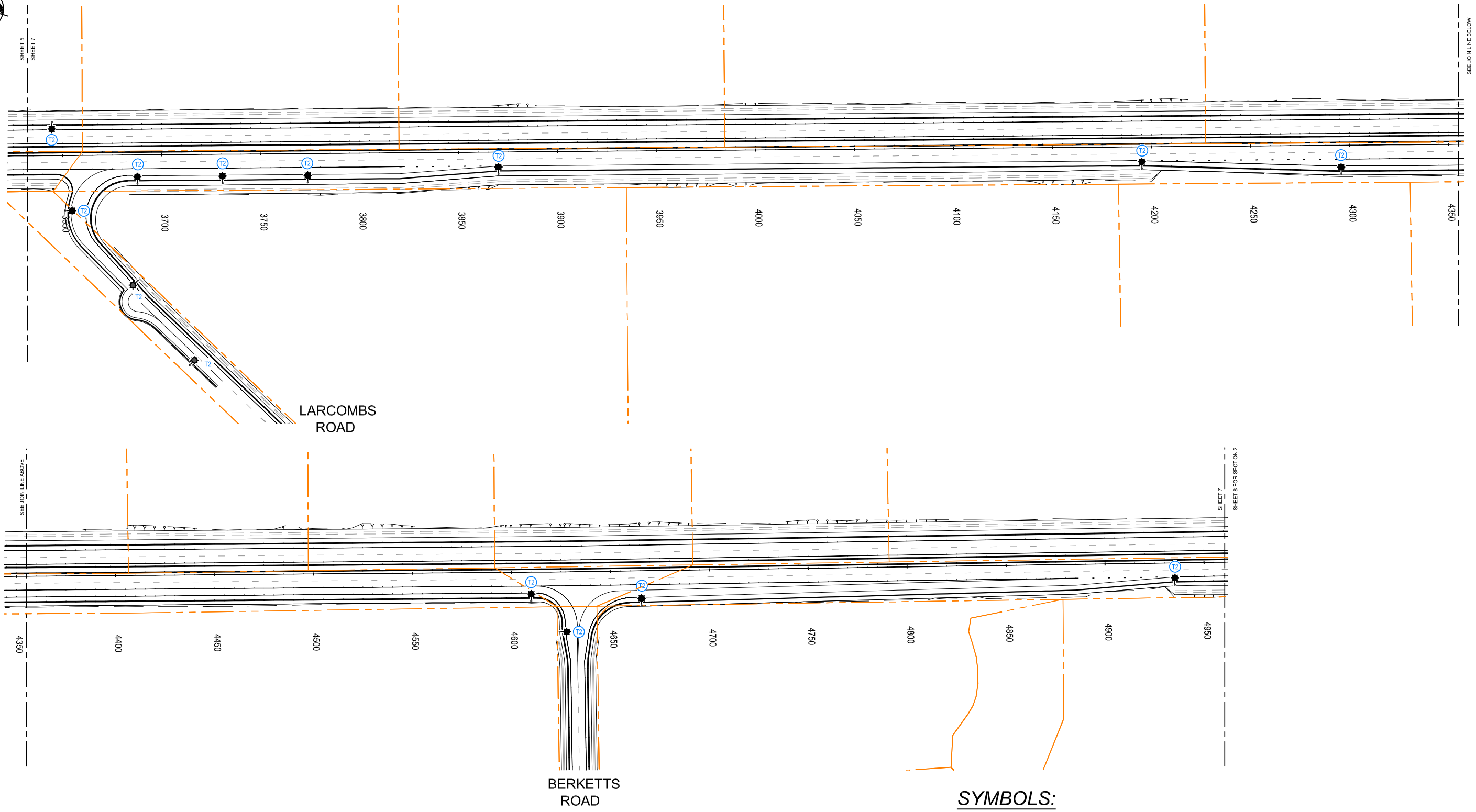
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	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 06 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	N/A	B



NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

SYMBOLS:

- Indicative location of new lighting column and luminaire
- Luminaire Type 2 "Semi Cut-off"
- Property Boundary Lots

**CONCEPT ONLY
Not For Construction**

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



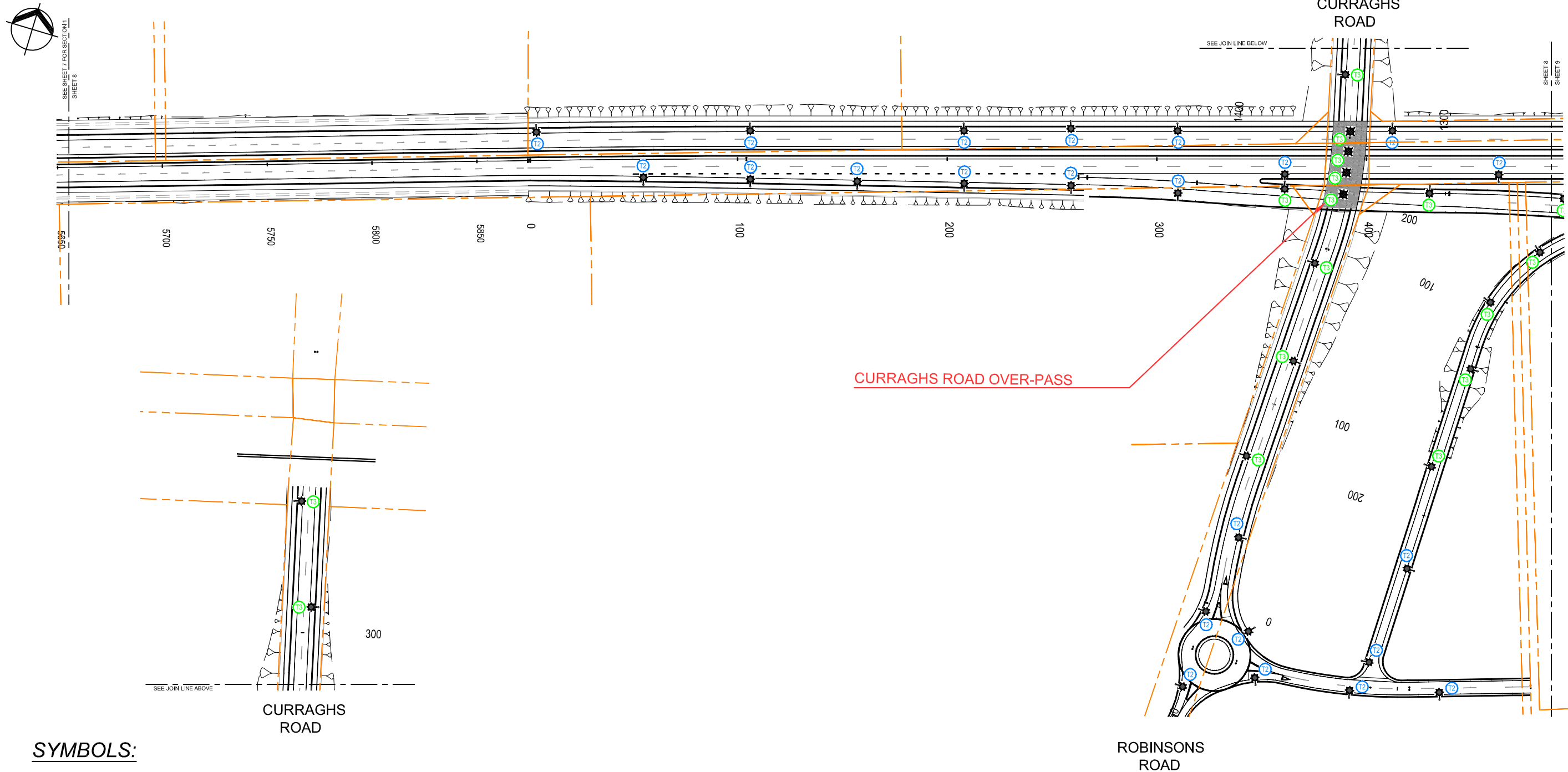
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	Dwg Verifier	SM	05-12	Date
	Dwg Check	SM	05-12	



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 07 OF 20

Discipline	LIGHTING		
Drawing No.	Meters	Rev.	
16.001630	3700M to 4800m	B	



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Indicative location of new surface mounted under-pass luminaire
- Ⓣ Luminaire Type 2 "Semi Cut-off"
- Ⓣ Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
-					
-					



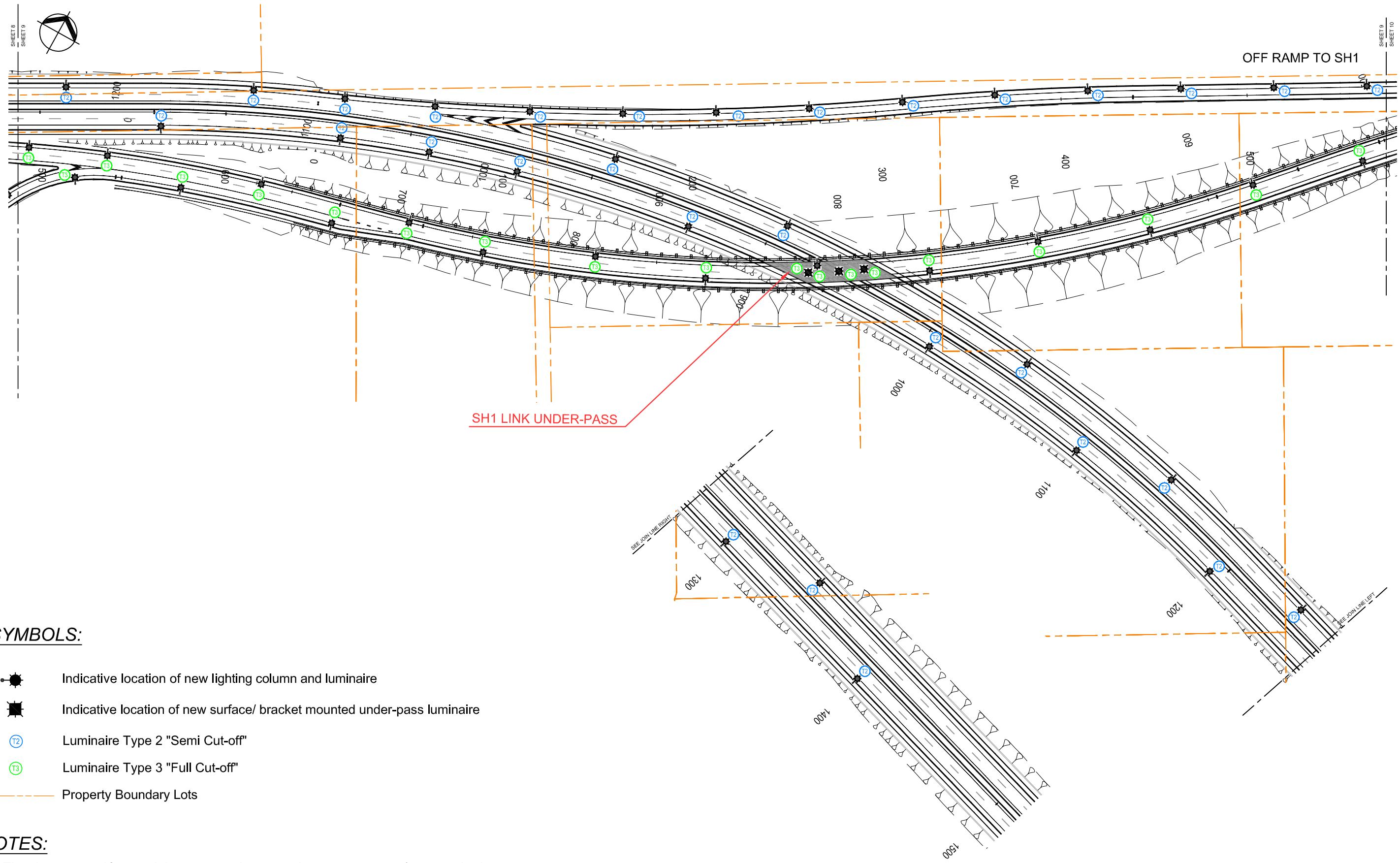
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	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 08 OF 20

Discipline	LIGHTING
Drawing No.	Meters
16.001630	5700m to 400m
Rev.	B



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Indicative location of new surface/bracket mounted under-pass luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



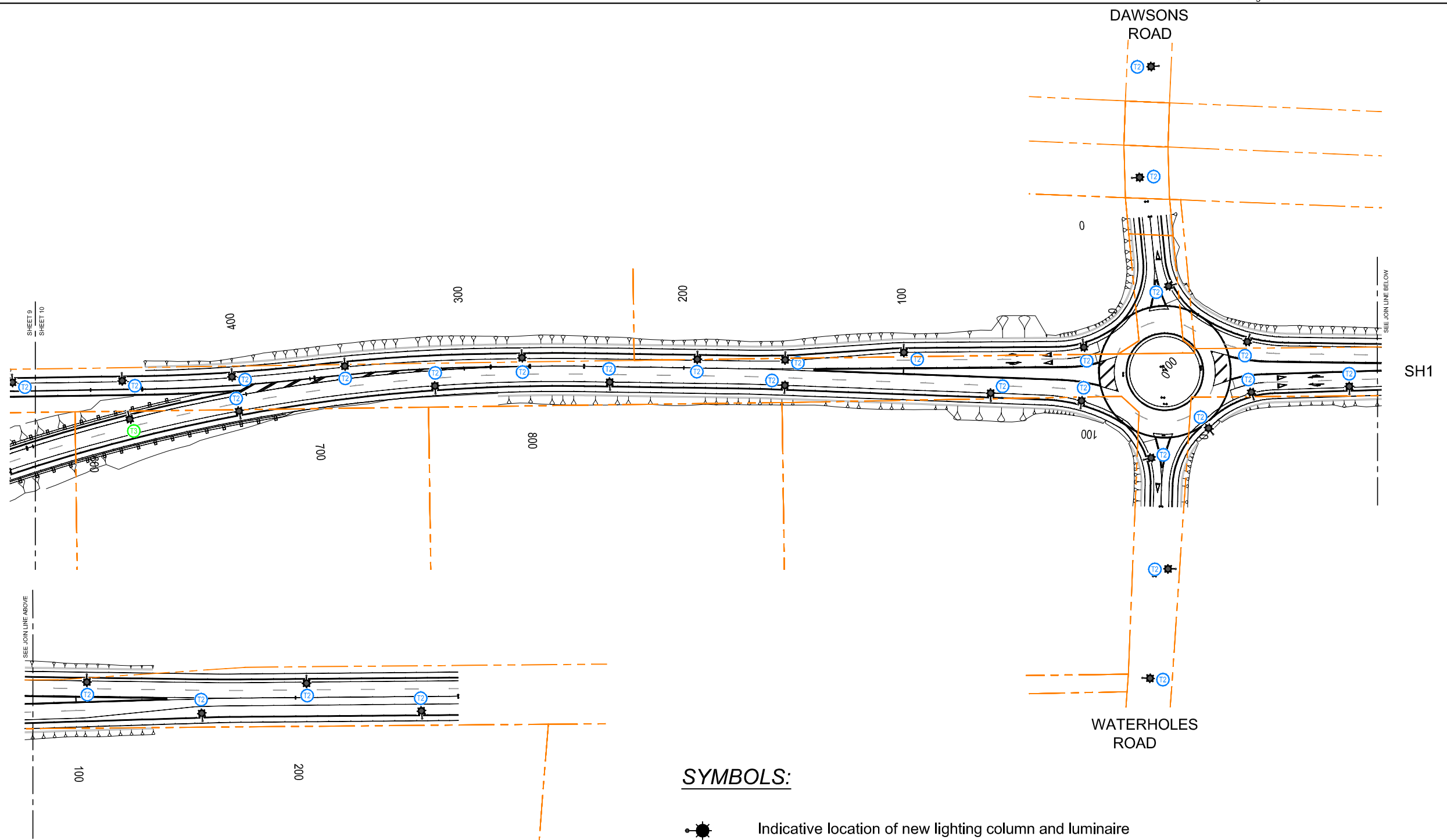
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	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 09 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	500m to 1500m	B



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
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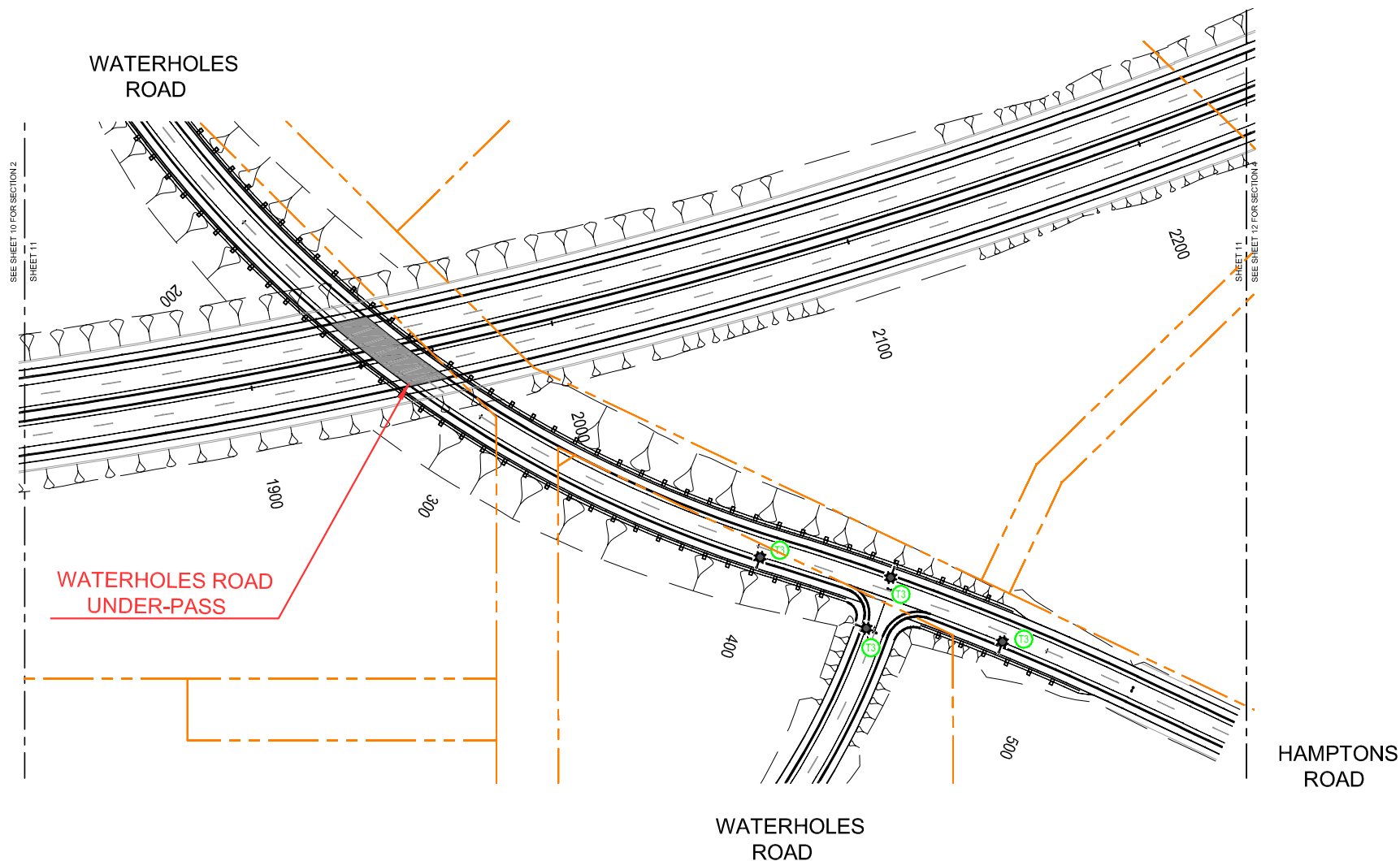
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					05-12	
					05-12	






Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 10 OF 20

Discipline	Meters	Rev.
LIGHTING	400m to 0m	B
Drawing No.	16.001630	



SYMBOLS:

-  Indicative location of new lighting column and luminaire
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



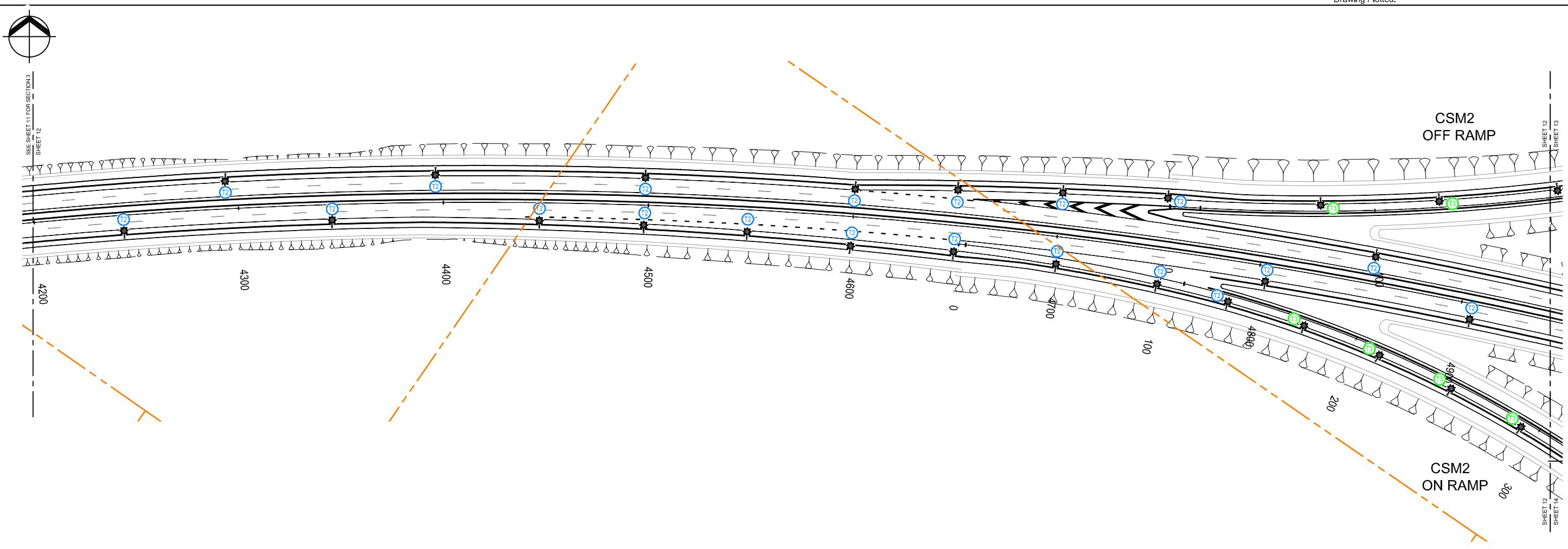
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	Dwg Check	SM	05-12	Date







Client:	SH1 7 SH76
Project:	CHRISTCHURCH SOUTHERN MOTORWAY CSM2 & MSRFL

Title:	CONCEPT DESIGN SHEET 11 OF 20
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Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	1900m to 2200m	B



SYMBOLS:

-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



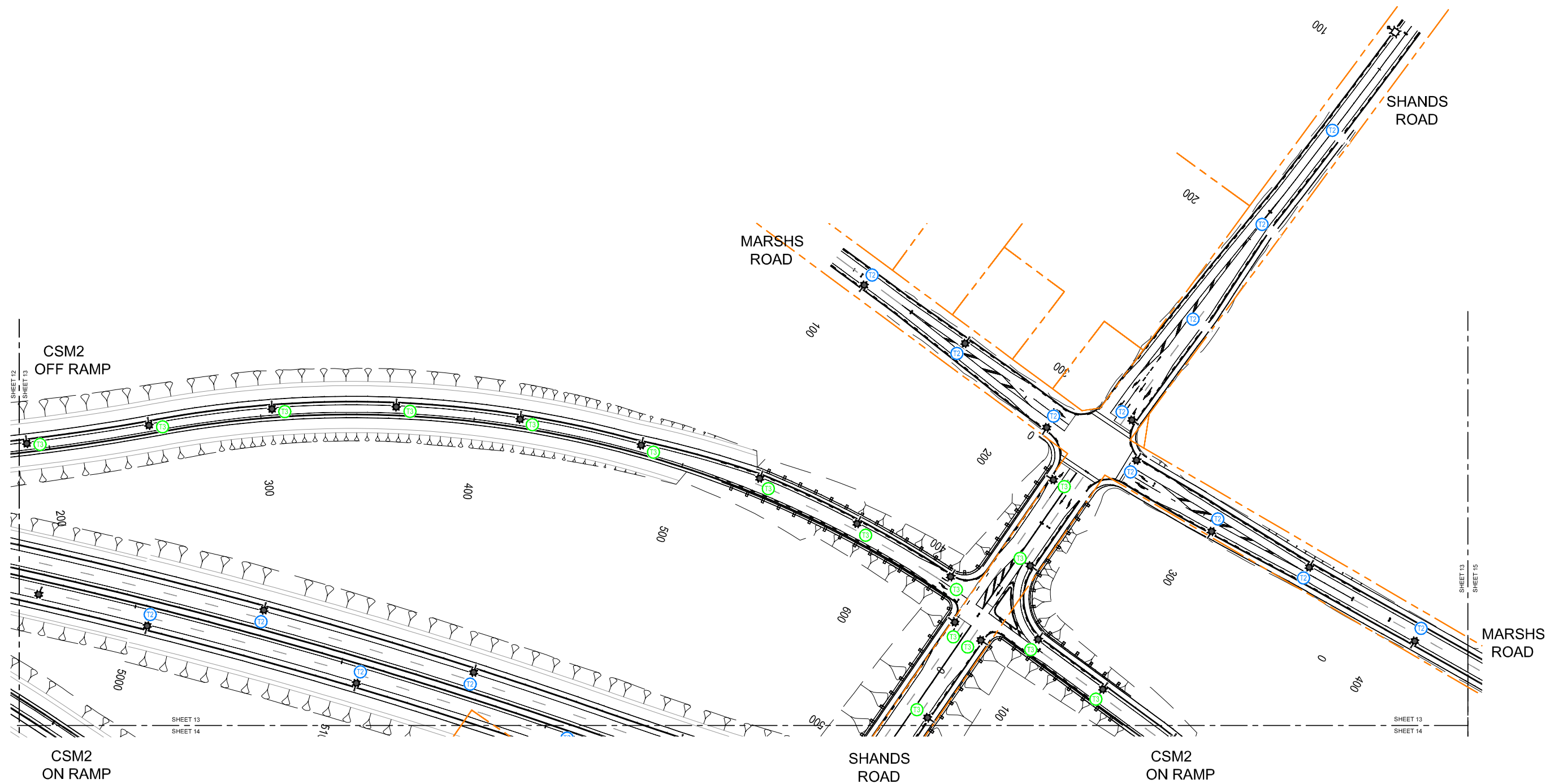
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	Dwg Check	SM	05-12	



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 12 OF 20

Discipline	LIGHTING		
Drawing No.	Meters	Rev.	
16.001630	4200m to 4900m	B	



SYMBOLS:

- Existing column / pole, outreach arm and luminaire to remain
- New luminaire on existing column
- Indicative location of new lighting column and luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

- This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
- Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12



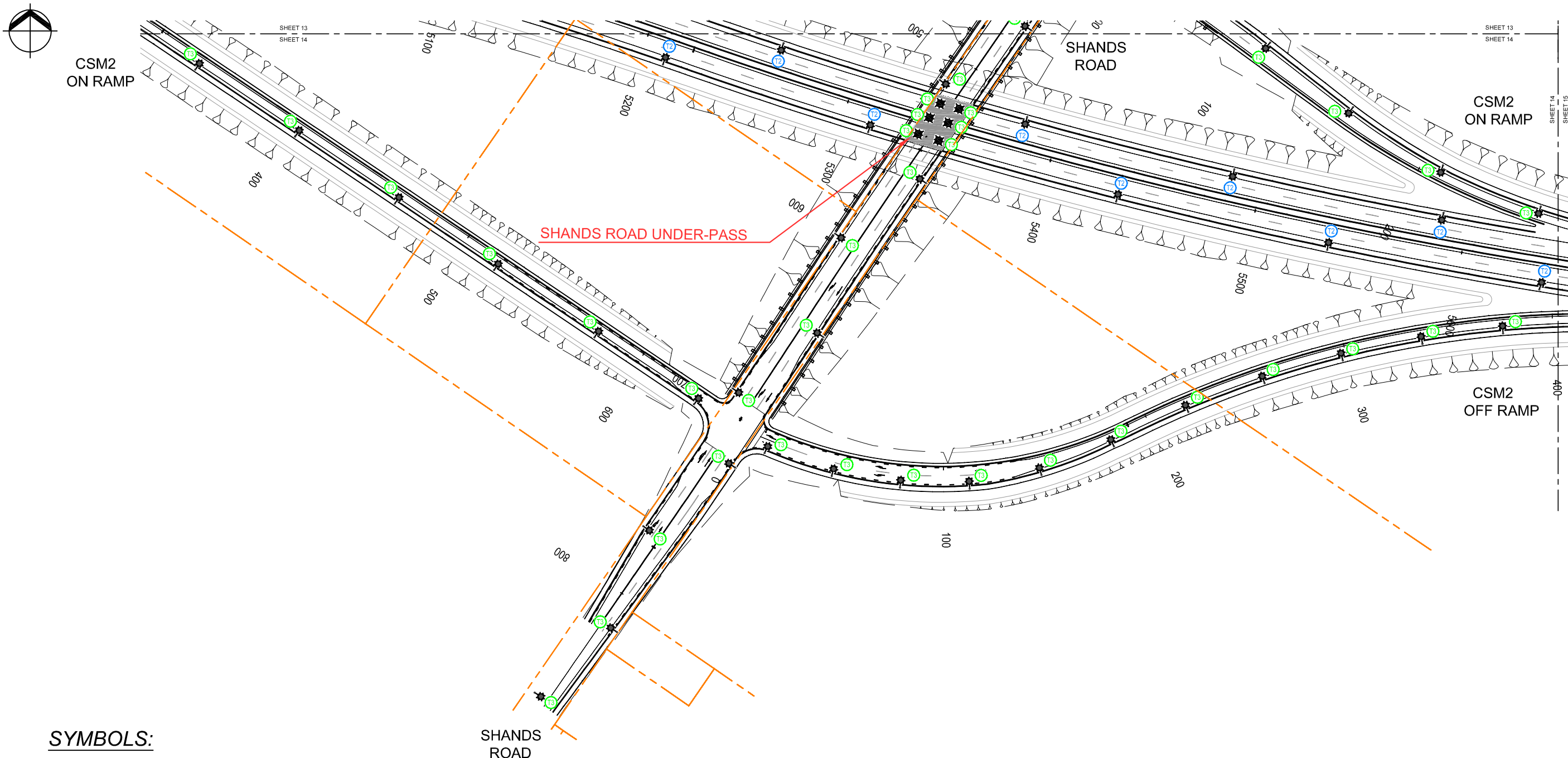
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	Dwg Verifier	Dwg Check	05-12	SM
			05-12	SM



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 13 OF 20

Discipline	Meters	Rev.
LIGHTING	5000M to 5100m	B
Drawing No.	16.001630	



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Indicative location of new surface mounted under-pass luminaire
- Ⓣ Luminaire Type 2 "Semi Cut-off"
- Ⓣ Luminaire Type 3 "Full Cut-off"
- - - - Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
-					
No.	Revision	By	Chk	Appd	Date



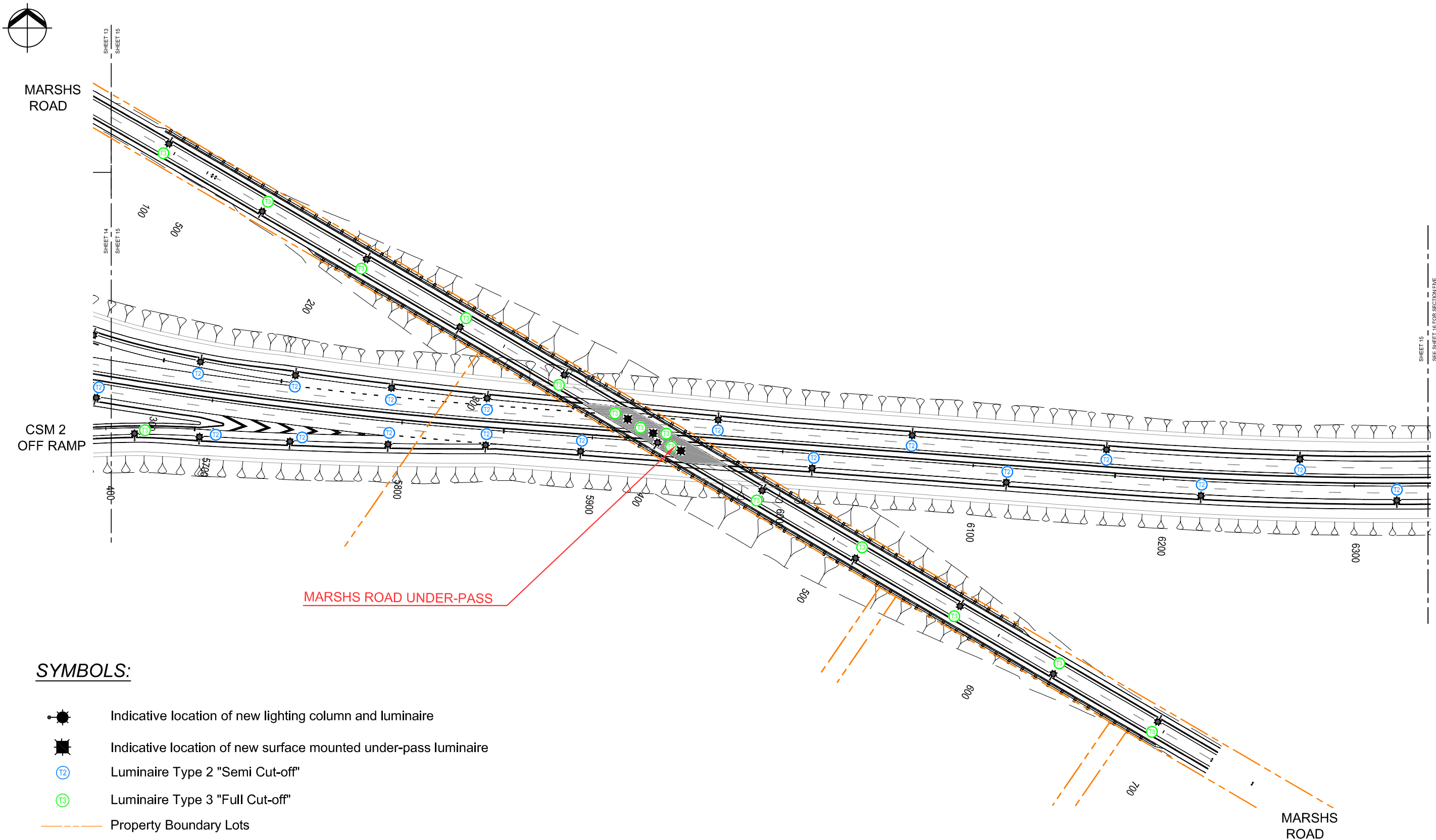
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	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 14 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	5100m to 5600m	B



SYMBOLS:

- Indicative location of new lighting column and luminaire
- Indicative location of new surface mounted under-pass luminaire
- Ⓣ Luminaire Type 2 "Semi Cut-off"
- Ⓣ Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
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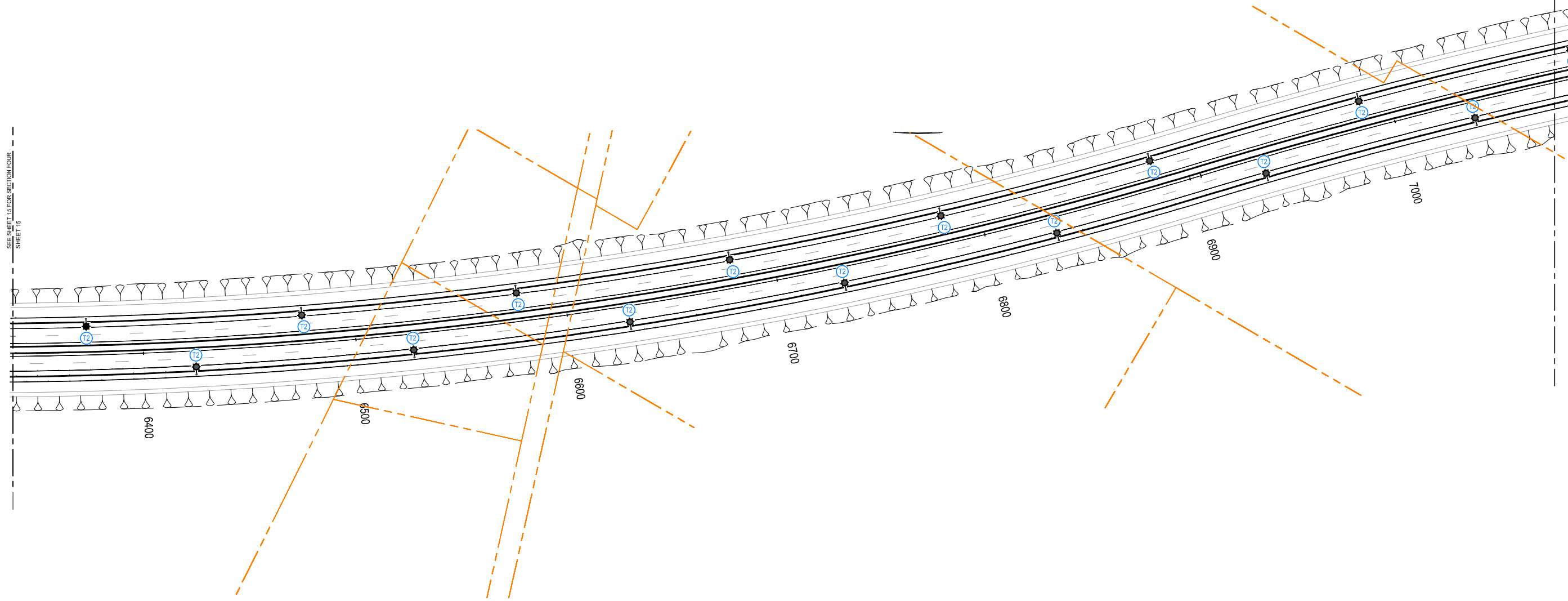
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	SM	SM	05-12	
	SM	SM	05-12	









Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 15 OF 20

Discipline	Lighting
Drawing No.	Meters
16.001630	5700m to 6300m
Rev.	B



SYMBOLS:

-  Existing cycleway lighting to remain
-  Indicative location of new lighting column and luminaire
-  Indicative location of new cycleway lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
C	CYCLEWAY LIGHTING BETWEEN MOTORWAY & MARSHES RD REMOVED	BH	SM	SM	29-1-13
-					
No.	Revision	By	Chk	Appd	Date



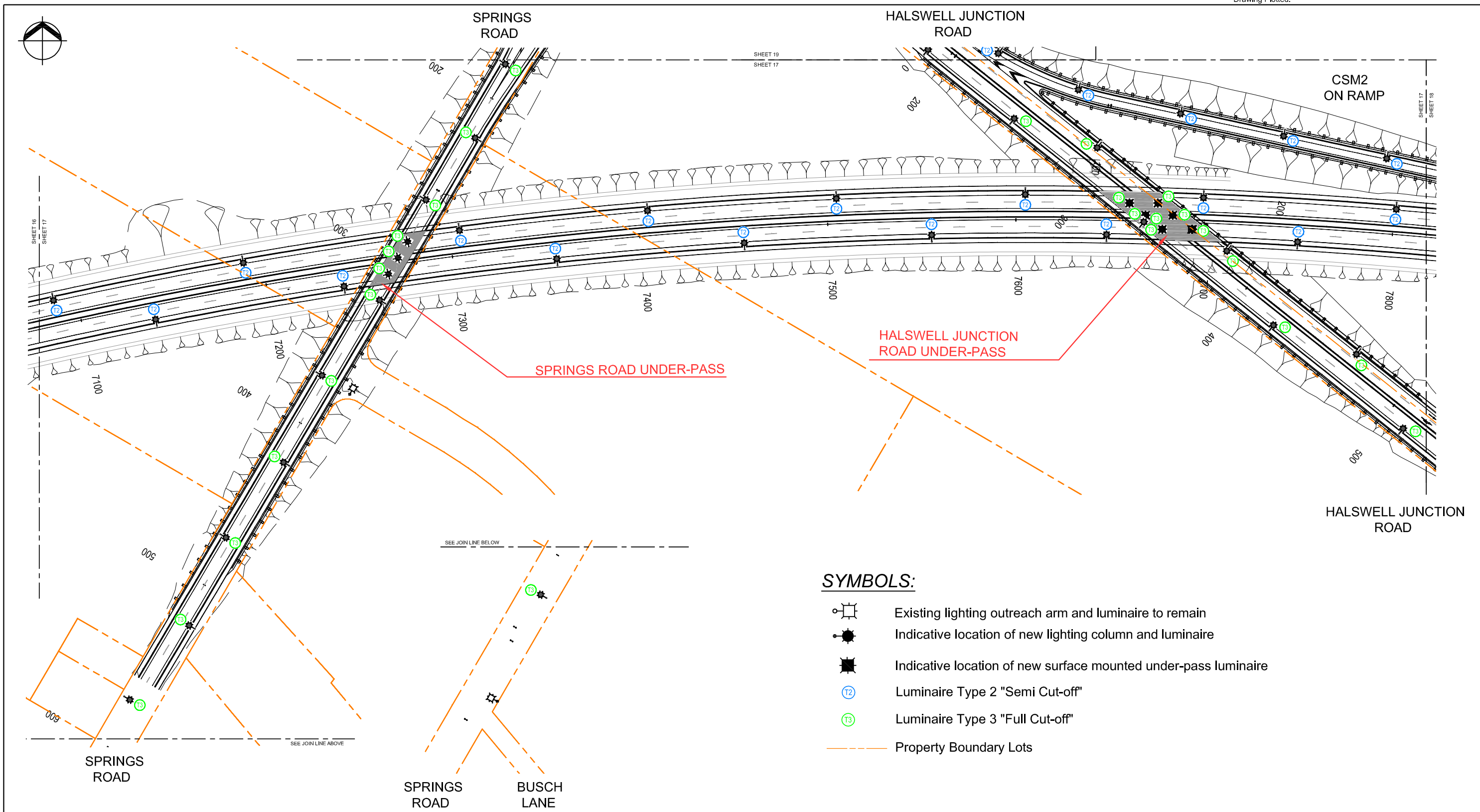
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1:2000	Drawn	BH	05-12	
	Dsg Verifier	SM	05-12	
	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 16 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	6400m to 7000m	B



SYMBOLS:

- Existing lighting outreach arm and luminaire to remain
- Indicative location of new lighting column and luminaire
- Indicative location of new surface mounted under-pass luminaire
- Luminaire Type 2 "Semi Cut-off"
- Luminaire Type 3 "Full Cut-off"
- Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12



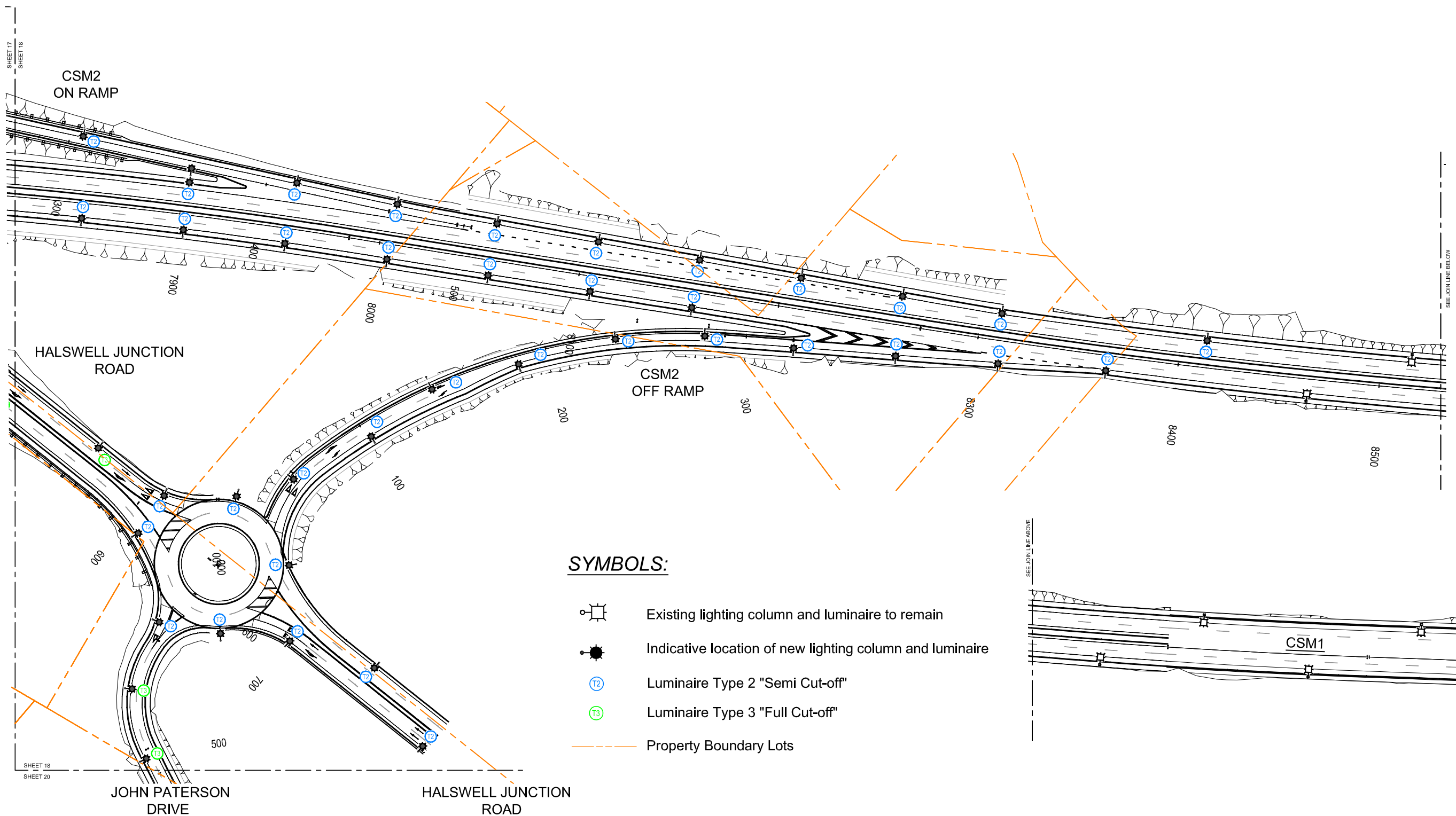
Original Scale (A3)	Design Drawn	Design Dwg Verifier	Design Dwg Check	Date	Approved For Construction
1:2000	BH	SM	SM	05-12	








Client: SH1 & S76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

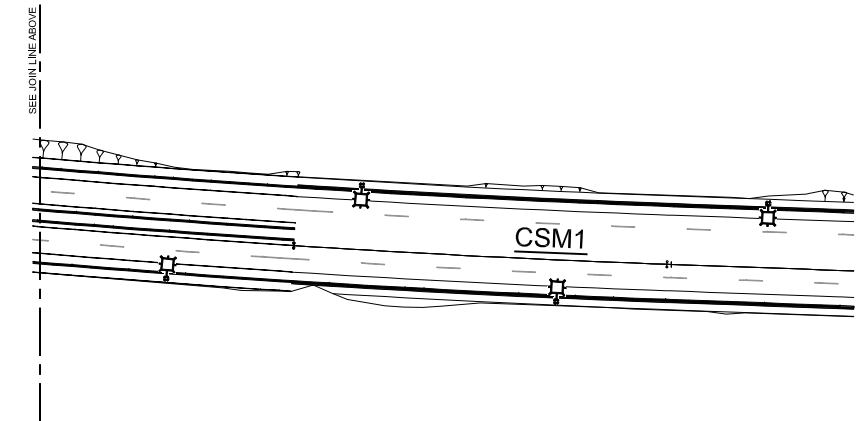
Title: CONCEPT DESIGN
SHEET 17 OF 20

Discipline	Lighting
Drawing No.	Meters
16.001630	7100m to 7800m
Rev.	B



SYMBOLS:

-  Existing lighting column and luminaire to remain
-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots



NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

No.	Revision	By	Chk	Appd	Date
A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM	SM	27-06-12
-	-	-	-	-	-
-	-	-	-	-	-



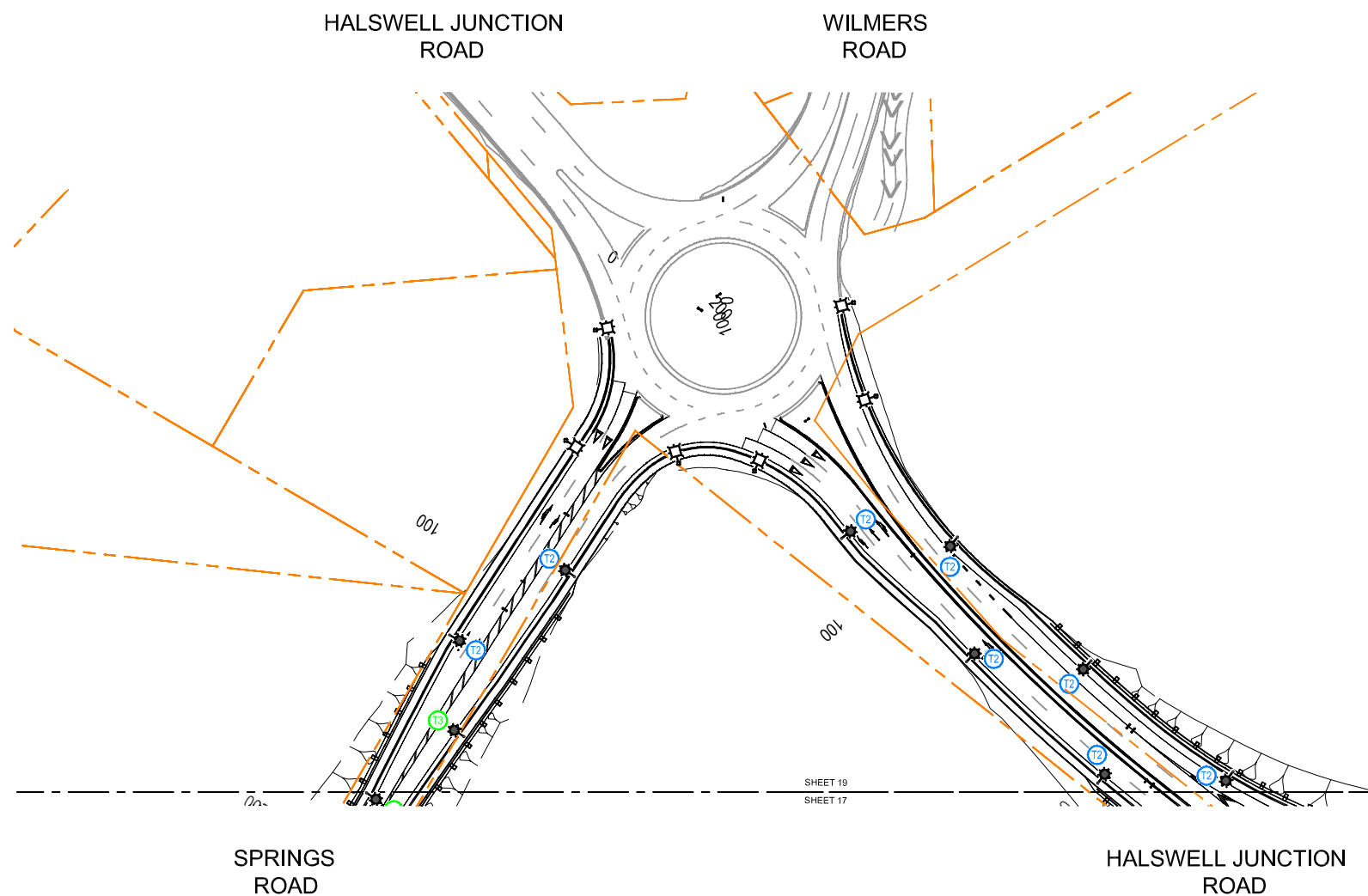
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	Dwg Verifier	SM	05-12	SM	05-12		
	Dwg Check	SM	05-12	SM	05-12		
	* Refer to Revision 1 for Original Signature			Date			








Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 18 OF 20

Discipline		LIGHTING	
Drawing No.	Meters	Rev.	
16.001630	7900m to 8500m	B	



SYMBOLS:

-  Existing lighting column and luminaire to remain
-  Indicative location of new lighting column and luminaire
-  Luminaire Type 2 "Semi Cut-off"
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	LUMINAIRE TYPES ADDED	BH	SM	SM	16-05-12
B	UPDATED ROAD ALIGNMENT	BH	SM		27-06-12
-					
No.	Revision	By	Chk	Appd	Date



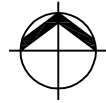
Original Scale (A3)	Design Drawn	BH	04-12	Approved For Construction*
1:2000	Dwg Verifier	SM	05-12	
	Dwg Check	SM	05-12	Date



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

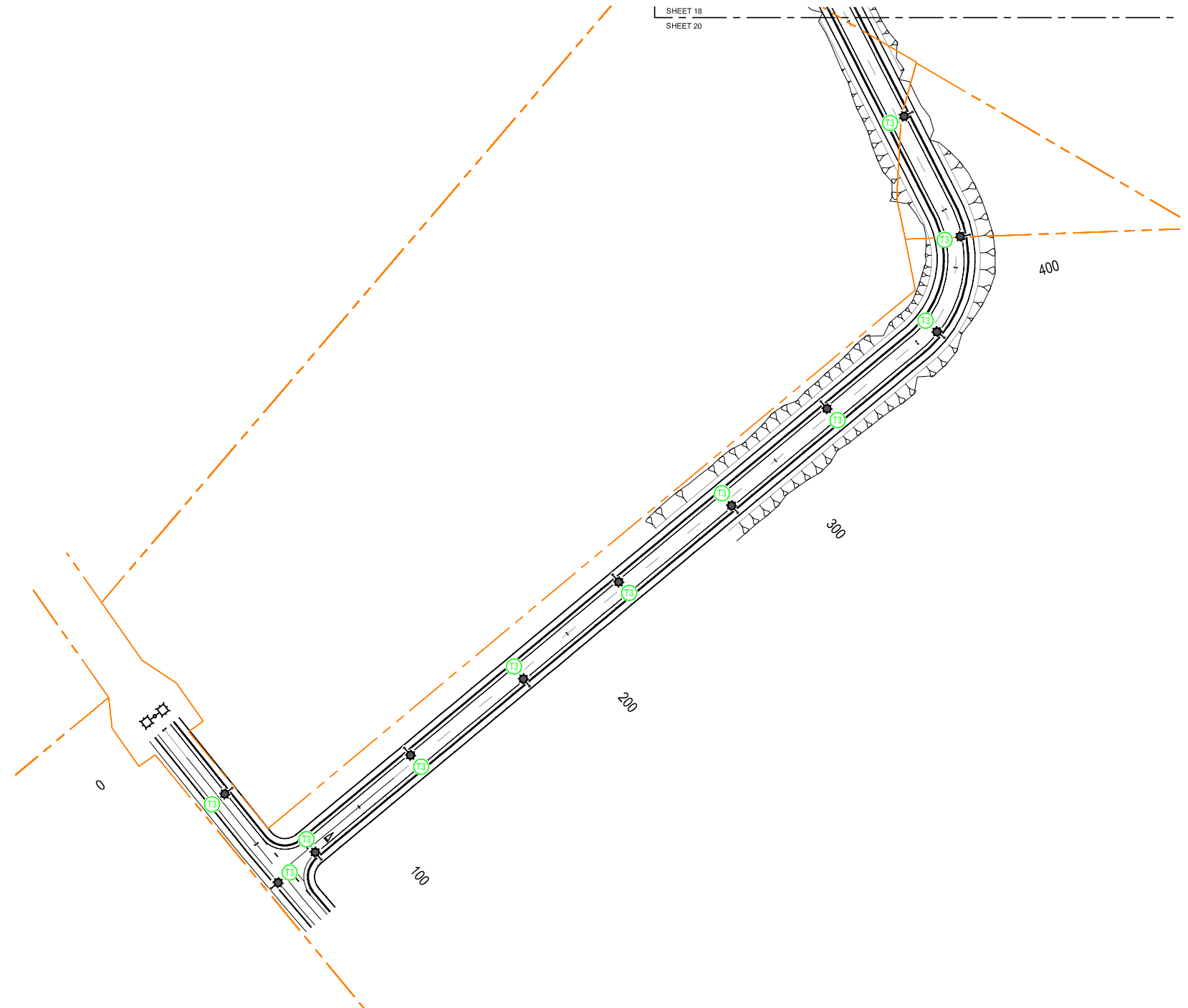
Title: CONCEPT DESIGN
SHEET 19 OF 20

Discipline	LIGHTING	
Drawing No.	Meters	Rev.
16.001630	N/A	B







JOHN PATTERSON DRIVE

SHEET 18
SHEET 20



SYMBOLS:

-  Existing lighting column and luminaire
-  Indicative location of new lighting column and luminaire
-  Luminaire Type 3 "Full Cut-off"
-  Property Boundary Lots

NOTES:

1. This drawing is a 'Concept' design only, showing indicative locations of new road lighting columns for proposed Christchurch Southern Motorway Stage 2 and Main South Road Four-laning project. Actual confirmed locations will need to be confirmed via an approved lighting design, in conjunction with road layout and traffic management devices.
2. Spacings and locations of lighting columns have been determined based on information provided, dated March 2012.

CONCEPT ONLY
Not For Construction

A	UPDATED ROAD ALIGNMENT - NEW SHEET	BH	SM	27-06-12
-				
No.	Revision	By	Chk	Appd
				Date



Original Scale (A3)	Design Drawn	BH	04-12	Approved For Construction*
1:2000	Dwg Verifier	SM	05-12	
	Dwg Check	SM	05-12	Date
	* Refer to Revision 1 for Original Signature			



Client: SH1 & SH76
CHRISTCHURCH SOUTHERN MOTORWAY
CSM2 & MSRFL

Title: CONCEPT DESIGN
SHEET 20 OF 20

Discipline	LIGHTING		
Drawing No.	Meters	Rev.	
16.001630	7900m to 8500m	B	