

PLAN SET 7

TYPICAL CROSS SECTION

EAST WEST LINK DRAWING REGISTER							
DWG NUMBER	DRAWING TITLE	CURRENT REVISION	DATE AND REVISION				
			1/12/2016	14/12/2016	7/04/2017	23/05/2017	27/06/2017
	PLAN SET 7 - TYPICAL CROSS SECTION						
AEE-C-002	ROAD ALIGNMENT - TYPICAL CROSS SECTION - DRAWING INDEX	2	0	1		2	
AEE-C-300	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SECTION MARKER	2	0	1		2	
AEE-C-301	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 1	1	0			1	
AEE-C-302	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 2	1	0			1	
AEE-C-303	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 3	1	0			1	
AEE-C-304	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 4	1	0			1	
AEE-C-305	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 5	1	0			1	
AEE-C-306	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 6	1	0			1	
AEE-C-307	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 7	1	0			1	
AEE-C-308	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 8	1	0			1	
AEE-C-309	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 9	1	0			1	
AEE-C-310	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 10	1	0			1	
AEE-C-311	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 11	1	0			1	
AEE-C-312	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 12	1	0			1	
AEE-C-313	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 13	1	0			1	
AEE-C-314	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 14	1	0			1	
AEE-C-315	ROAD ALIGNMENT - TYPICAL CROSS SECTION - CAPTAIN SPRINGS ROAD - SHEET 15	1	0			1	
AEE-C-316	ROAD ALIGNMENT - TYPICAL CROSS SECTION - PORTS LINK - SHEET 16	1	0			1	
AEE-C-317	ROAD ALIGNMENT - TYPICAL CROSS SECTION - GREAT SOUTH ROAD INTERSECTION - SHEET 17	1		0		1	
AEE-C-321	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 1	1	0			1	
AEE-C-322	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 2	1	0			1	
AEE-C-323	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 3	1	0			1	
AEE-C-324	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 4	1	0			1	

FOR BOI ISSUE

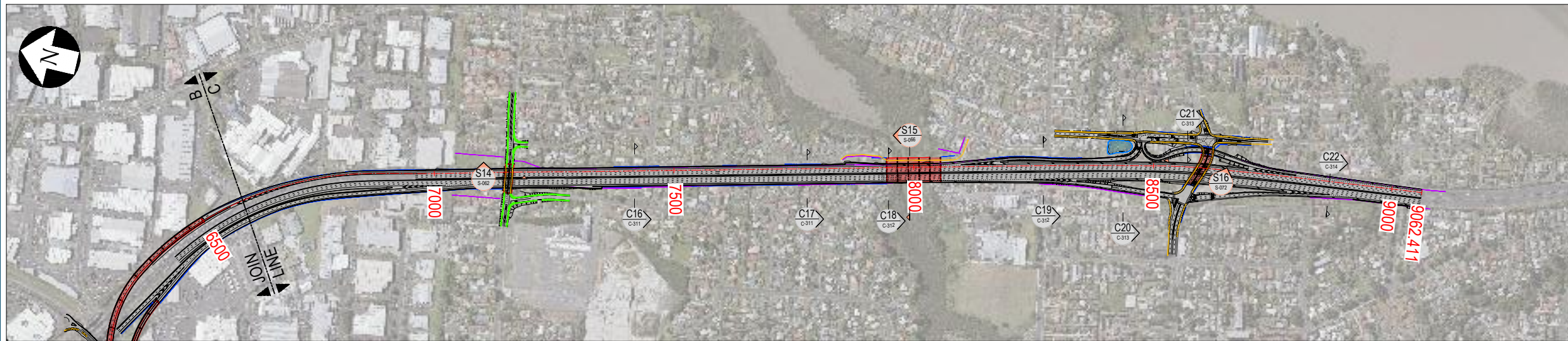
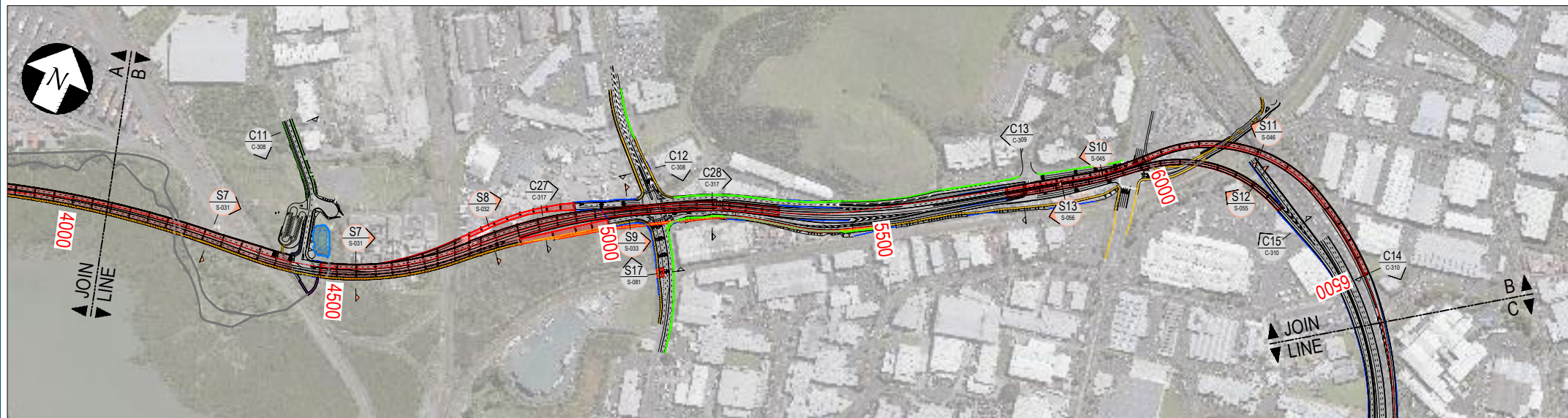
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1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed A RAM	Design Check J MURAHIDY	27.06.17	
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION DRAWING INDEX	Rev No. 2
Drawing Number AEE-C-002	



No.	Issued Status	Drawn	Check'd	App'd	Date
2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

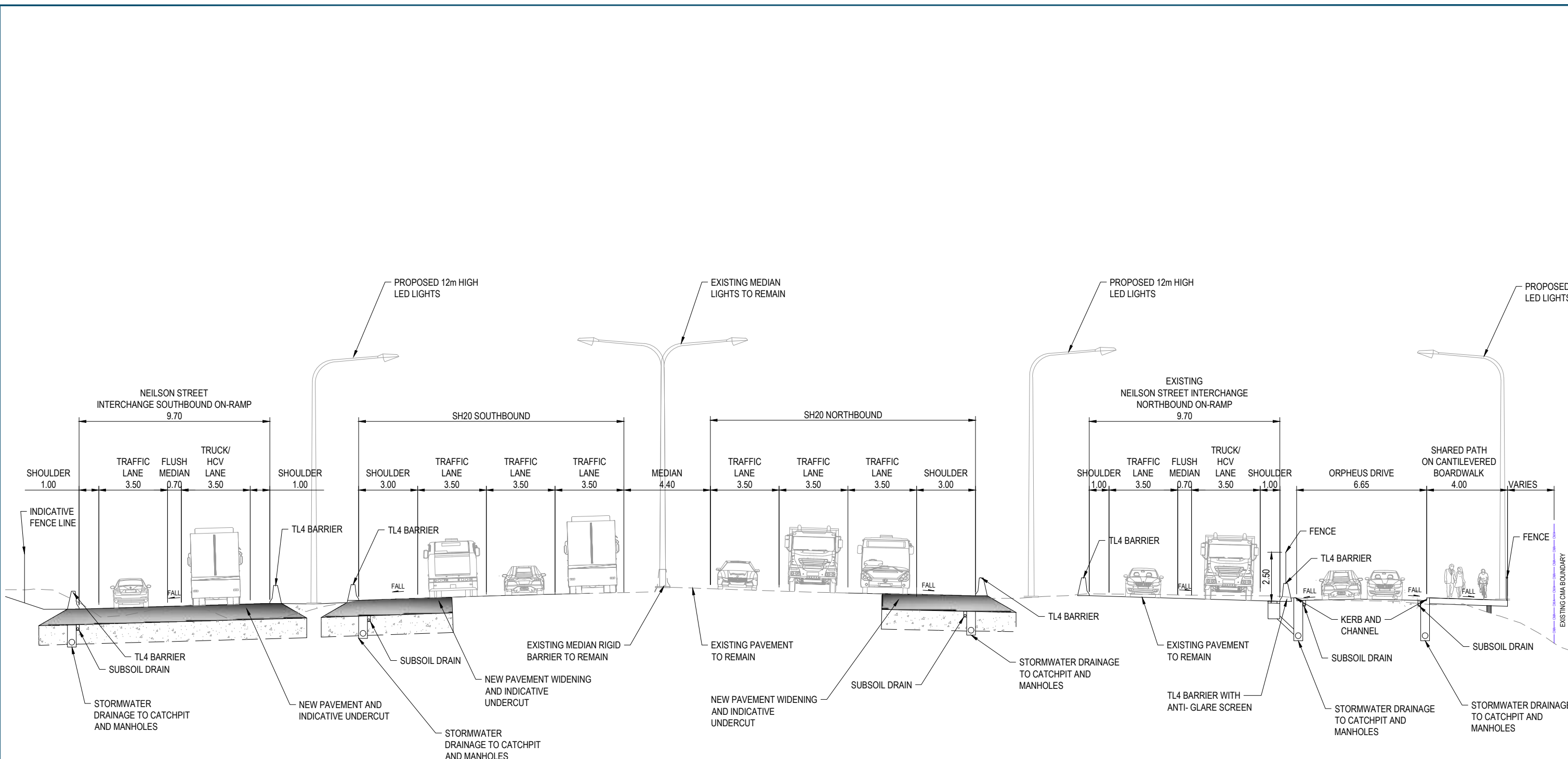
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	R TAN	Design Check	J MURAHIDY	27.06.17	N NANCEKIVELL	27.06.17	J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

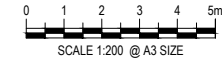
Drawing Title	TYPICAL CROSS SECTION SECTION MARKER	
Drawing Number	AEE-C-300	Rev No. 2

FOR BOI ISSUE



C1 SECTION SH20 NEILSON STREET INTERCHANGE
 SCALE 1 : 100 ON SH20 - NORTH OF PROPOSED OVERBRIDGE

- GENERAL NOTES**
- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
 - REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

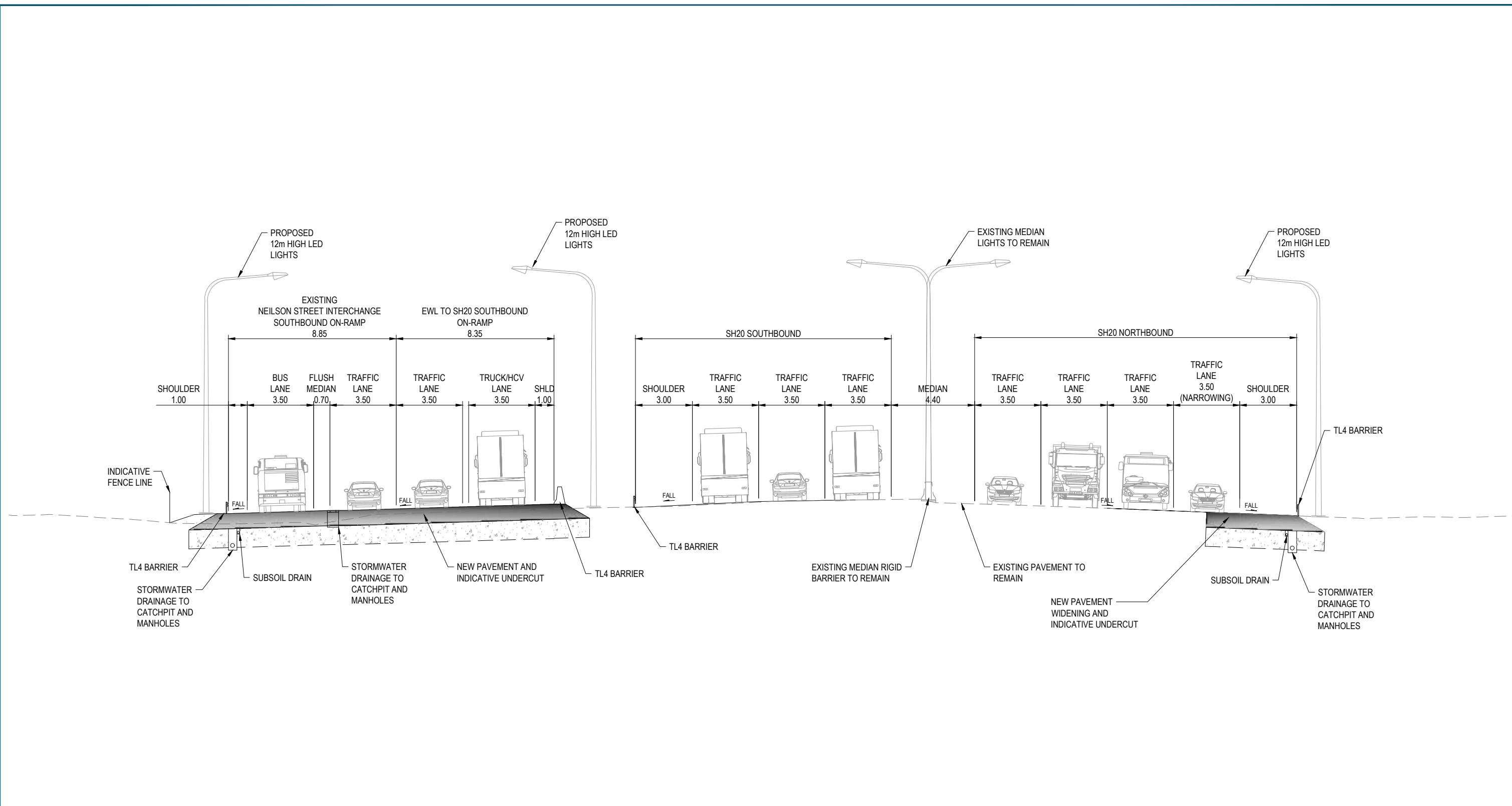
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 01 OF 17		
Drawing Number	AEE-C-301	Rev No.	1



C2 SECTION SH20 NEILSON STREET INTERCHANGE
 AEE-C-300 SCALE 1 : 100 ON SH20 - SOUTH OF PROPOSED OVERBRIDGE

- GENERAL NOTES**
- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
 - REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

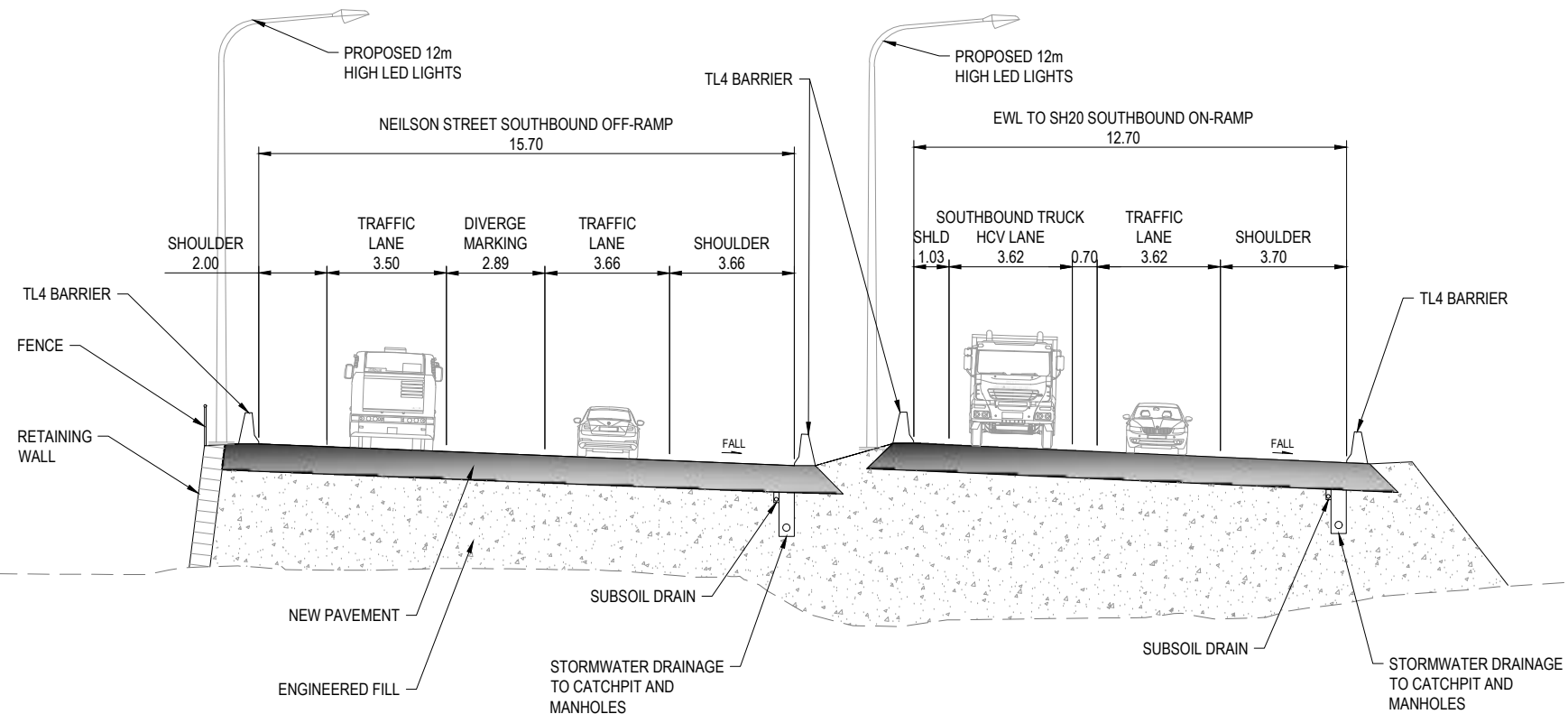
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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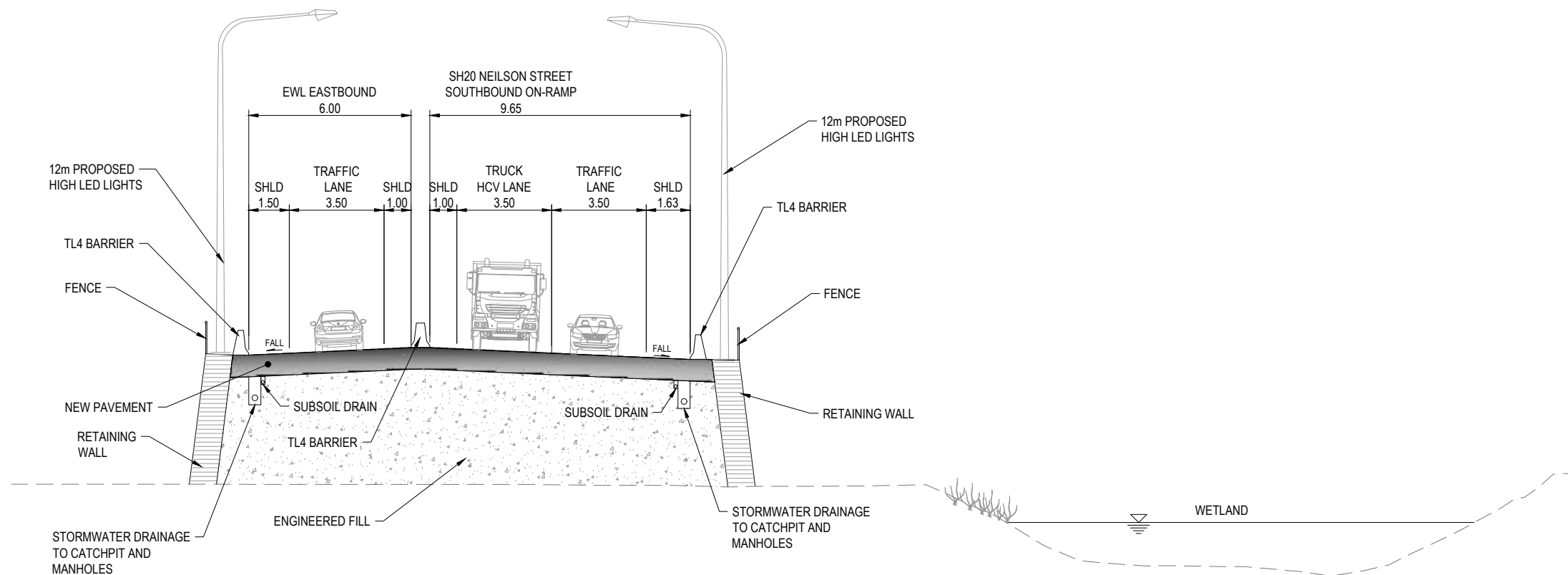


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 02 OF 17	Rev No. 1
Drawing Number AEE-C-302	

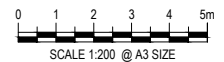


C3 SECTION SH20 NEILSON STREET SOUTHBOUND OFF-RAMP
 AEE-C-300 SCALE 1 : 100 APPROX. MCD0 CH 215



C4 SECTION NEILSON STREET OVERBRIDGE APPROACH EMBANKMENT (NORTH)
 AEE-C-300 SCALE 1 : 100 APPROX. MCD0 CH 80

GENERAL NOTES
 1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
 2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

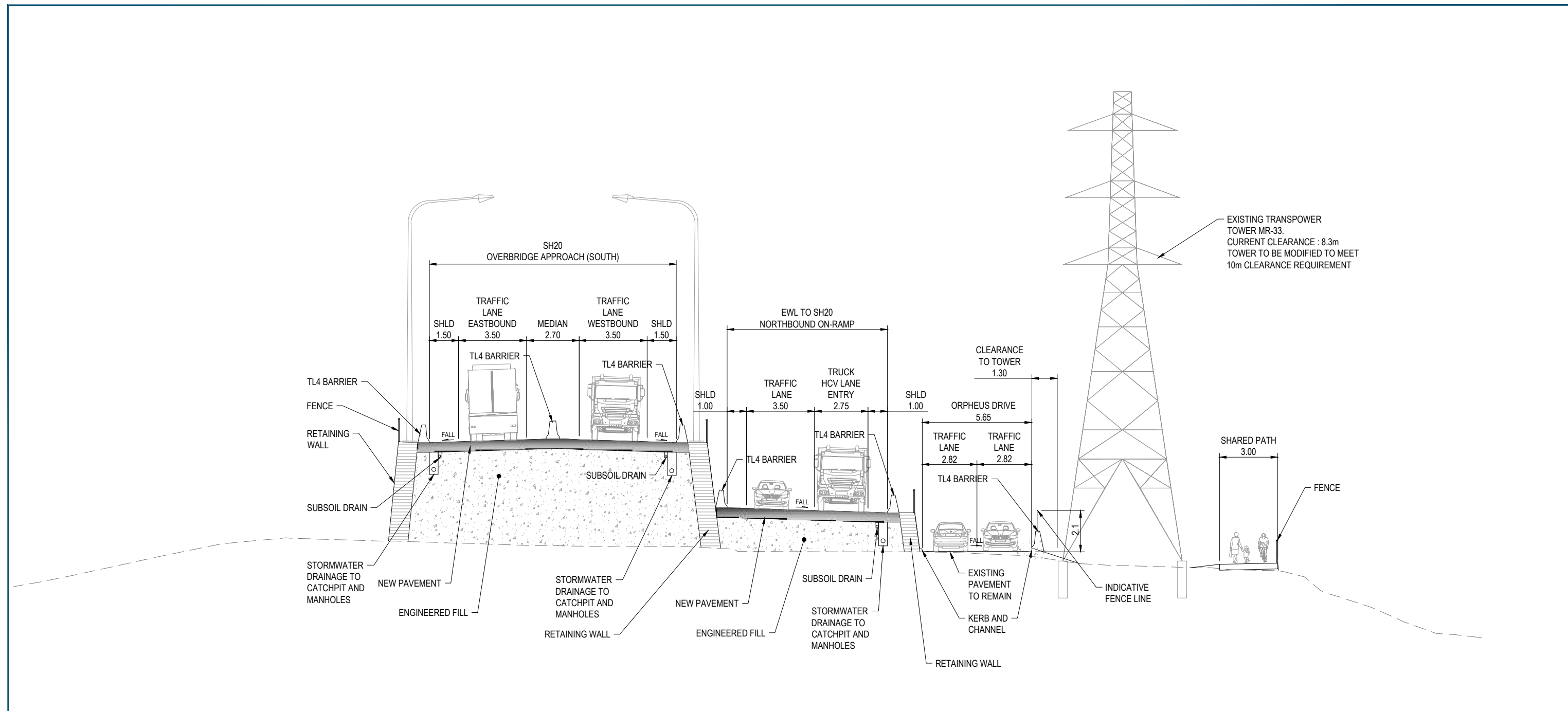
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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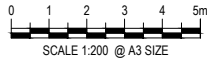
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY	Contract No	PA4014		
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN				

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 03 OF 17		
Drawing Number	AEE-C-303	Rev No.	1



C5 SECTION NEILSON STREET OVERBRIDGE APPROACH EMBANKMENT (SOUTH)
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 330

- GENERAL NOTES**
- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
 - REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

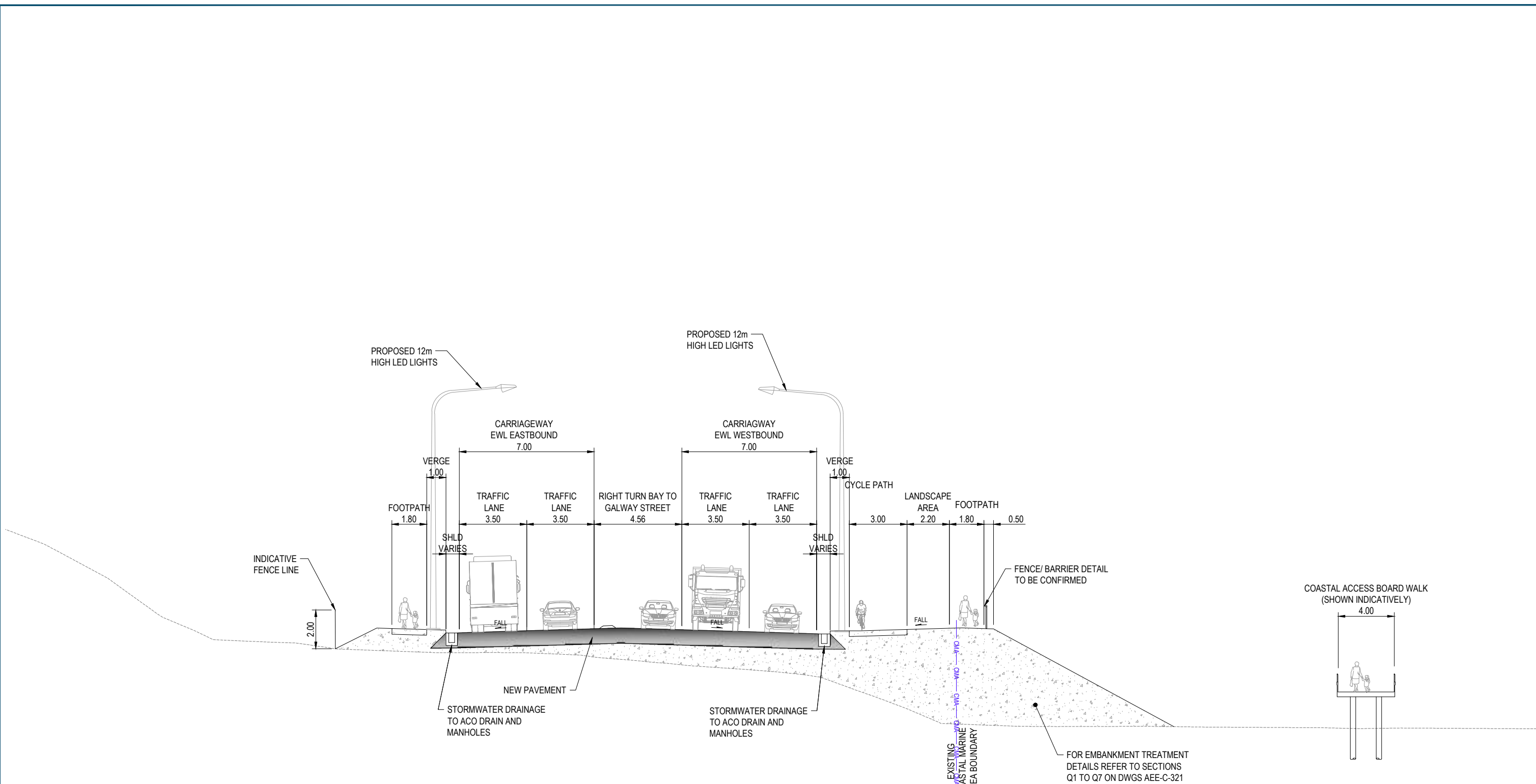
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 04 OF 17	Rev No. 1
Drawing Number AEE-C-304	



C6 SECTION EMBANKMENT
 AEE-C-300 SCALE 1:100 APPROX. MC00 CH 1250

- GENERAL NOTES**
- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
 - REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



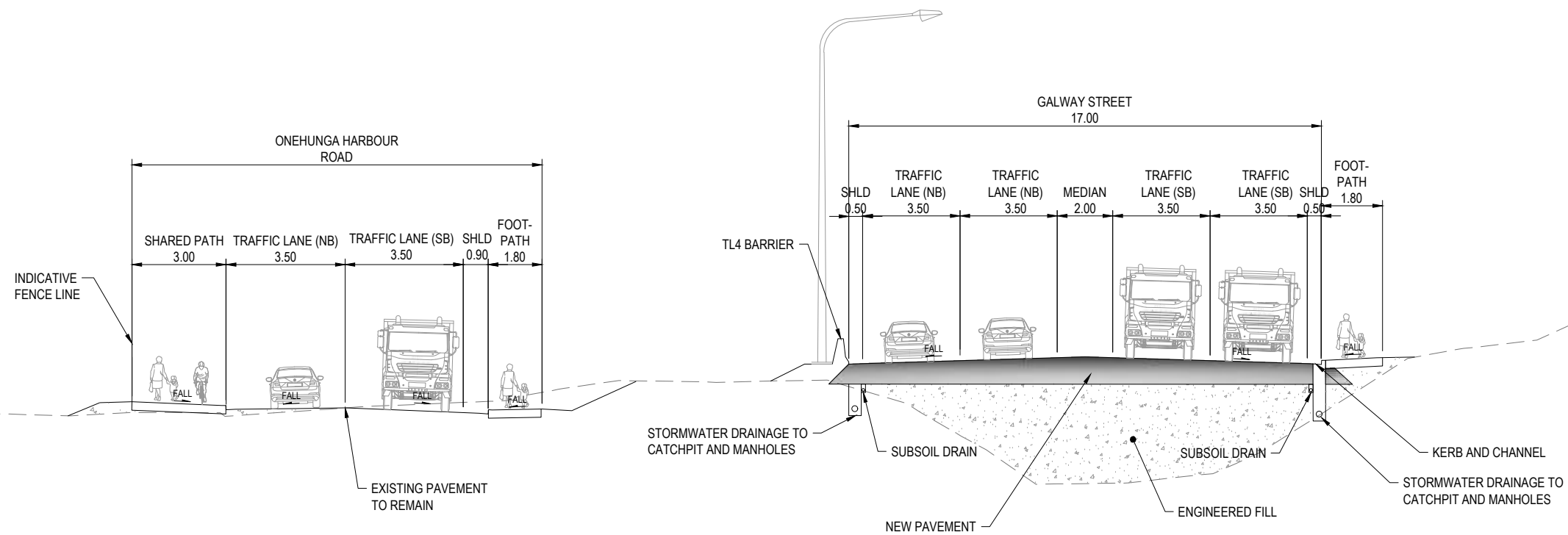
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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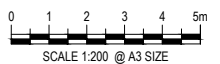
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Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 05 OF 17	Rev No. 1
Drawing Number AEE-C-305	



C7 SECTION GALWAY STREET
 AEE-C-306 SCALE 1 : 100 APPROX. MCH0 CH 145

- GENERAL NOTES**
- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

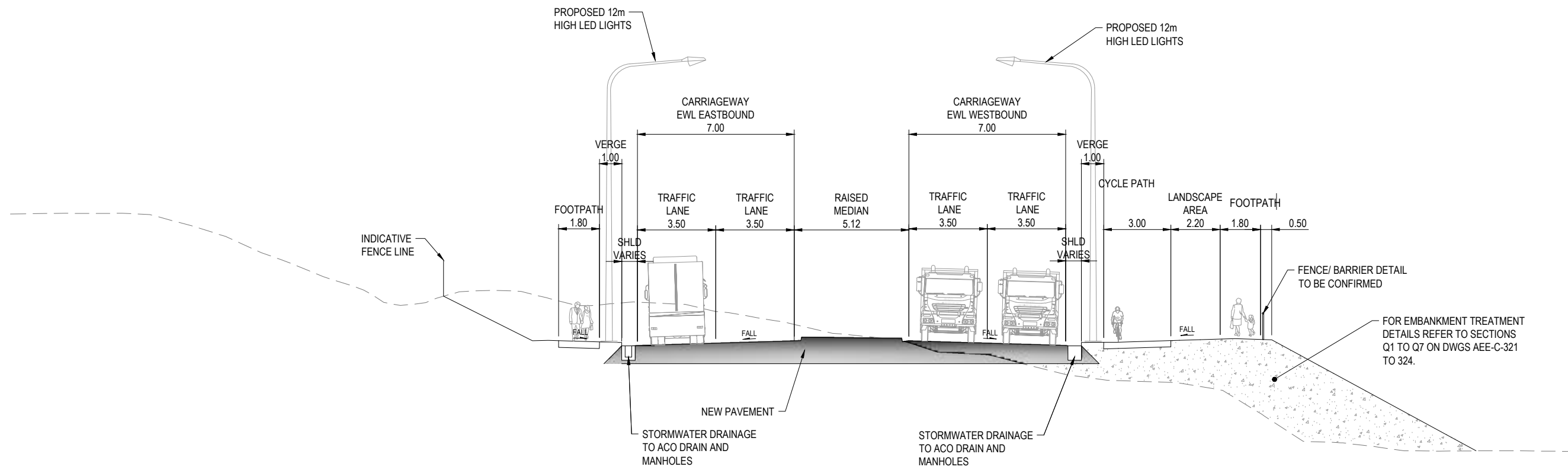
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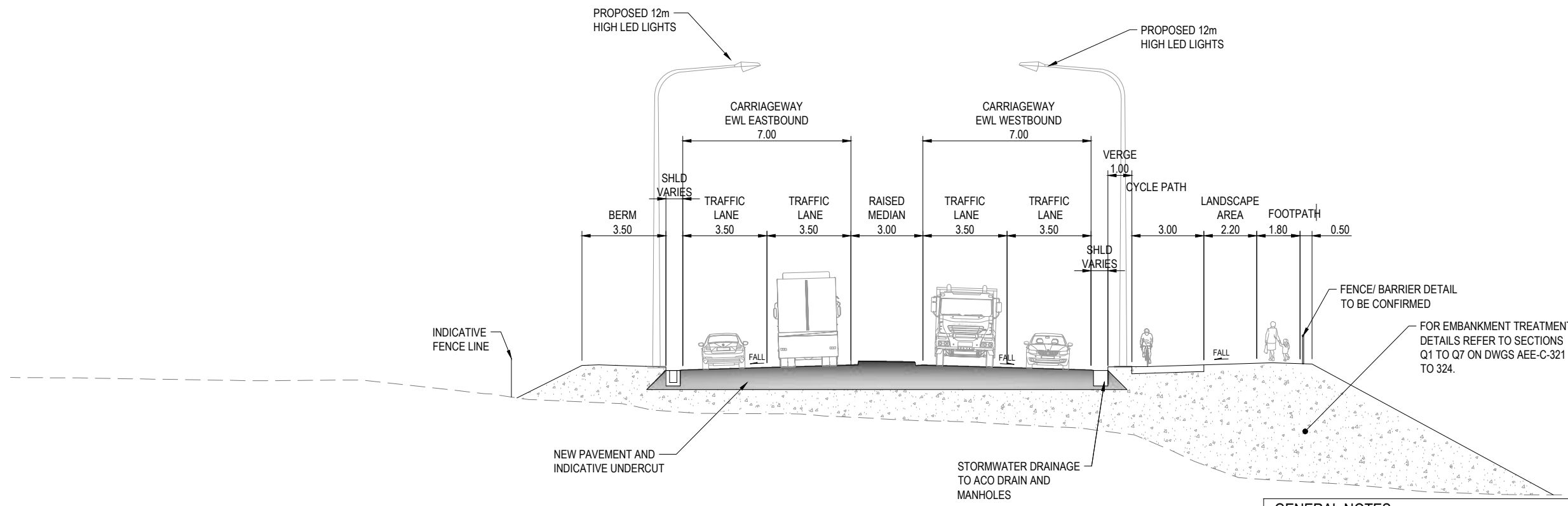


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 06 OF 17	Rev No. 1
Drawing Number AEE-C-306	



C9 SECTION EMBANKMENT
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 2450



C10 SECTION EMBANKMENT
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 3200

GENERAL NOTES

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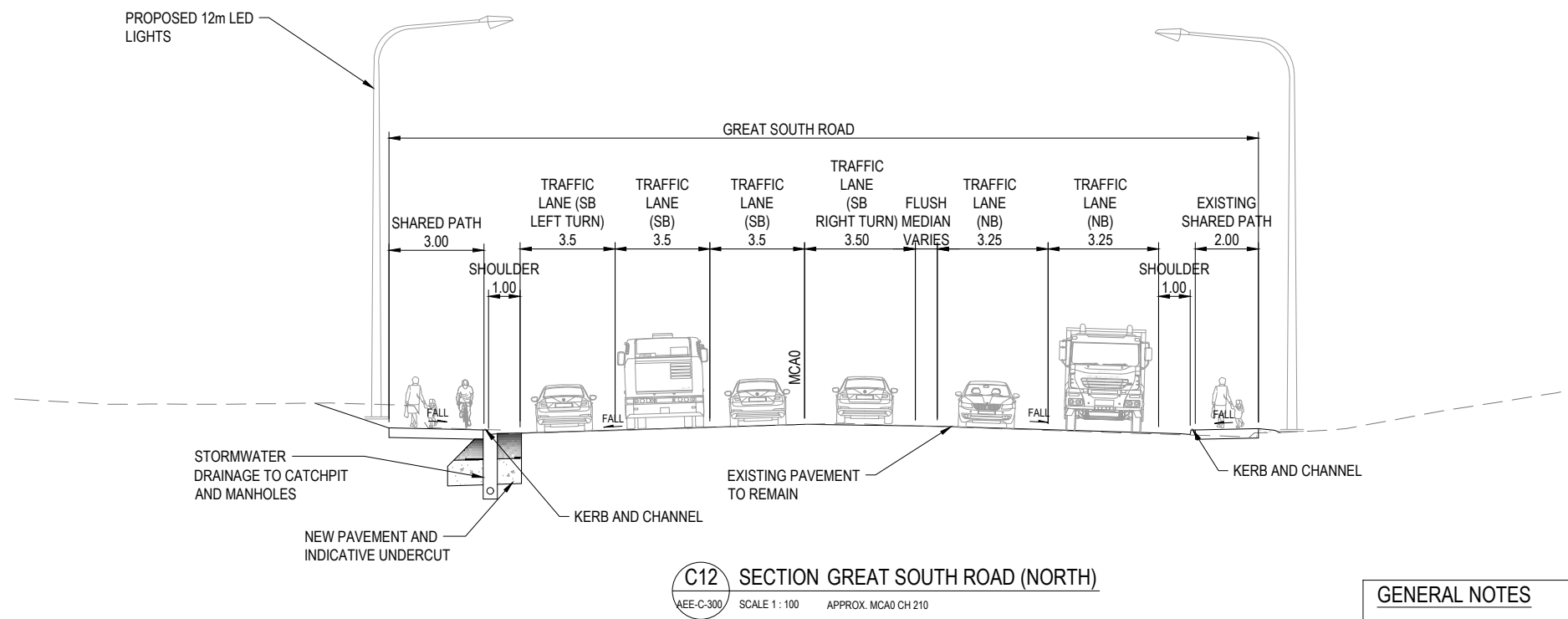
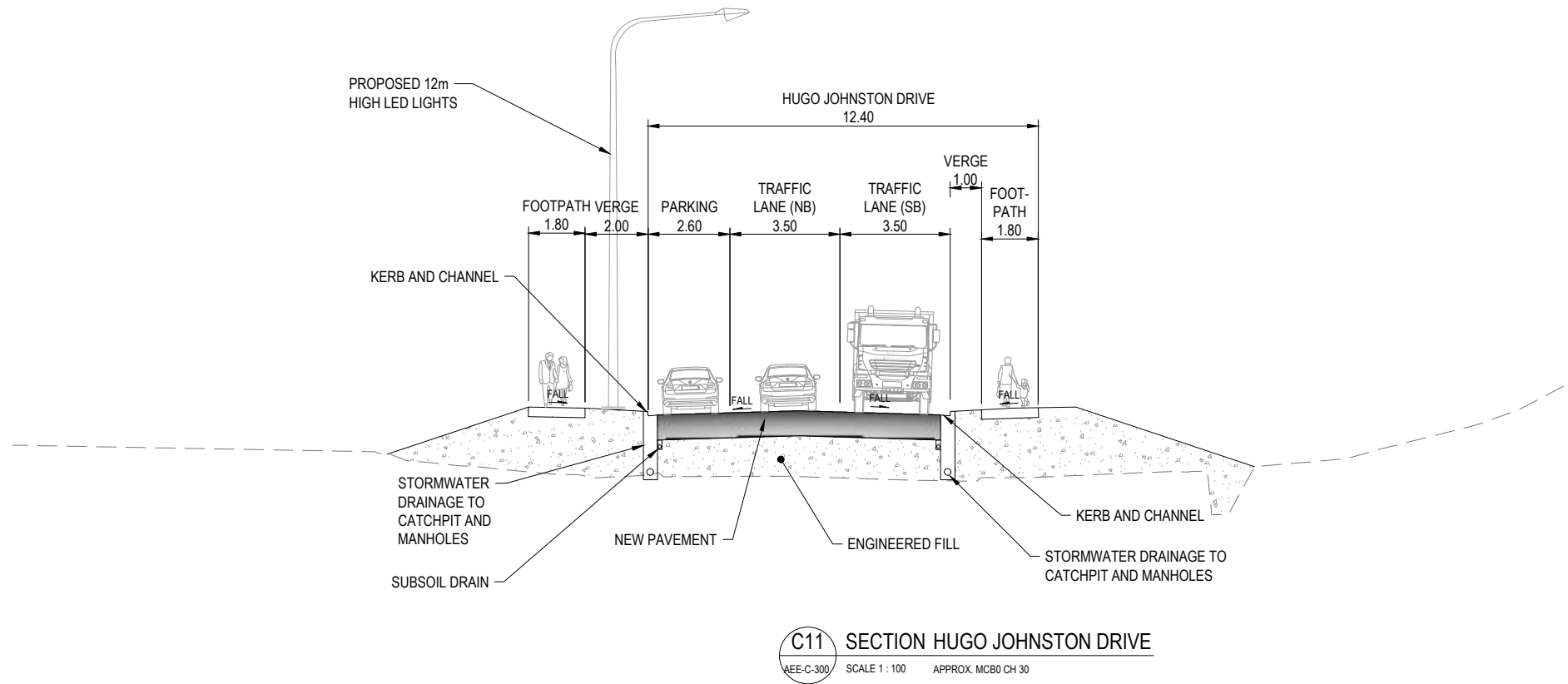
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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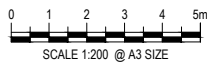
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 07 OF 17		
Drawing Number	AEE-C-307	Rev No.	1



GENERAL NOTES

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- REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



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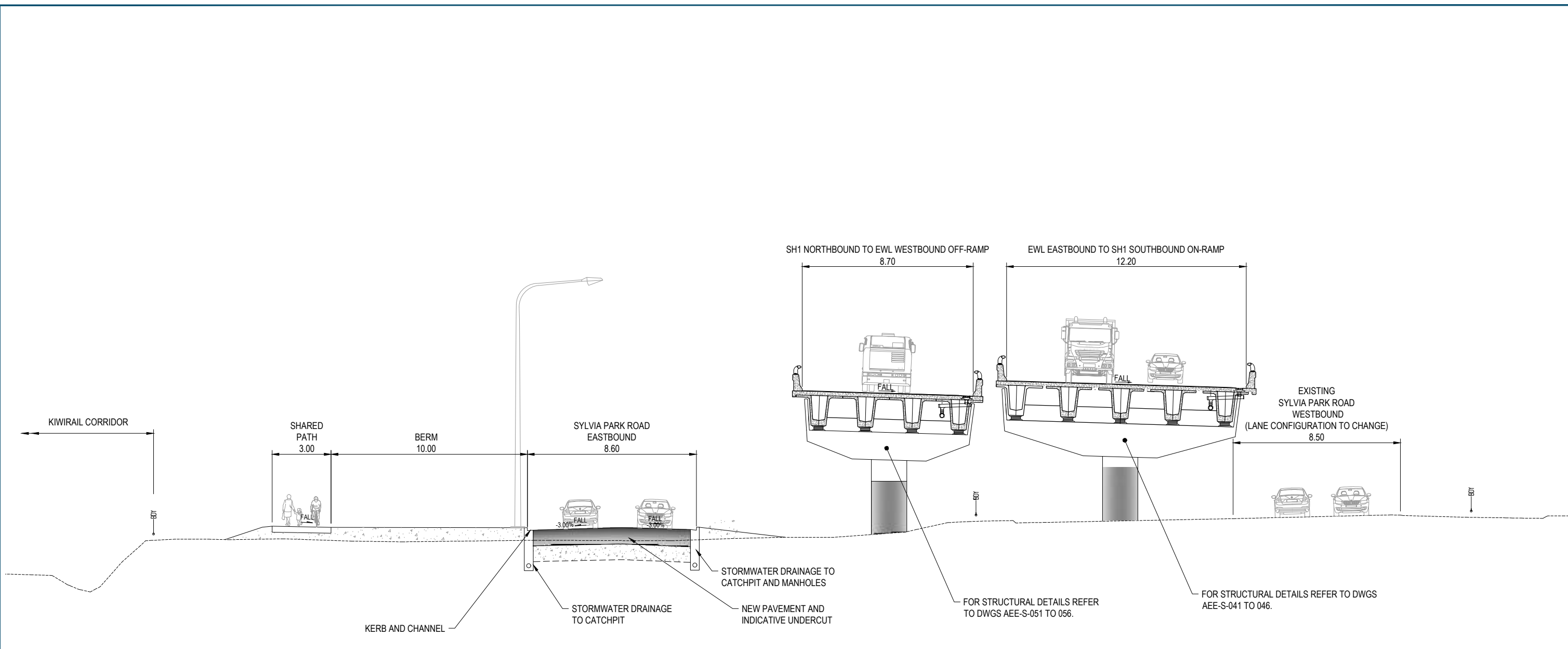
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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Designed	RTAN	Design Check	J MURAHIDY	Contract No	PA4014		
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN				

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 08 OF 17		
Drawing Number	AEE-C-308	Rev No.	1



C13 SECTION SYLVIA PARK ROAD
 AEE-C-309 SCALE 1:100 APPROX. MCD0 CH 5765

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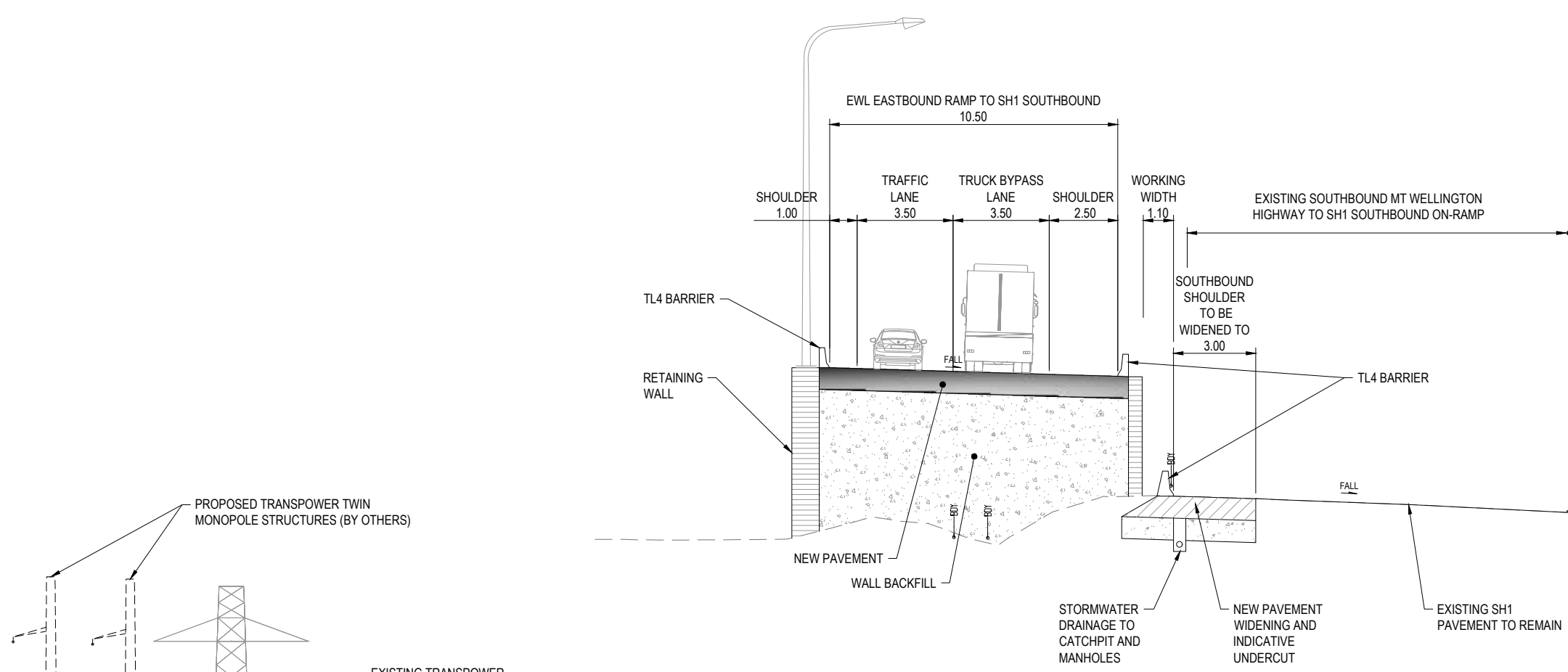
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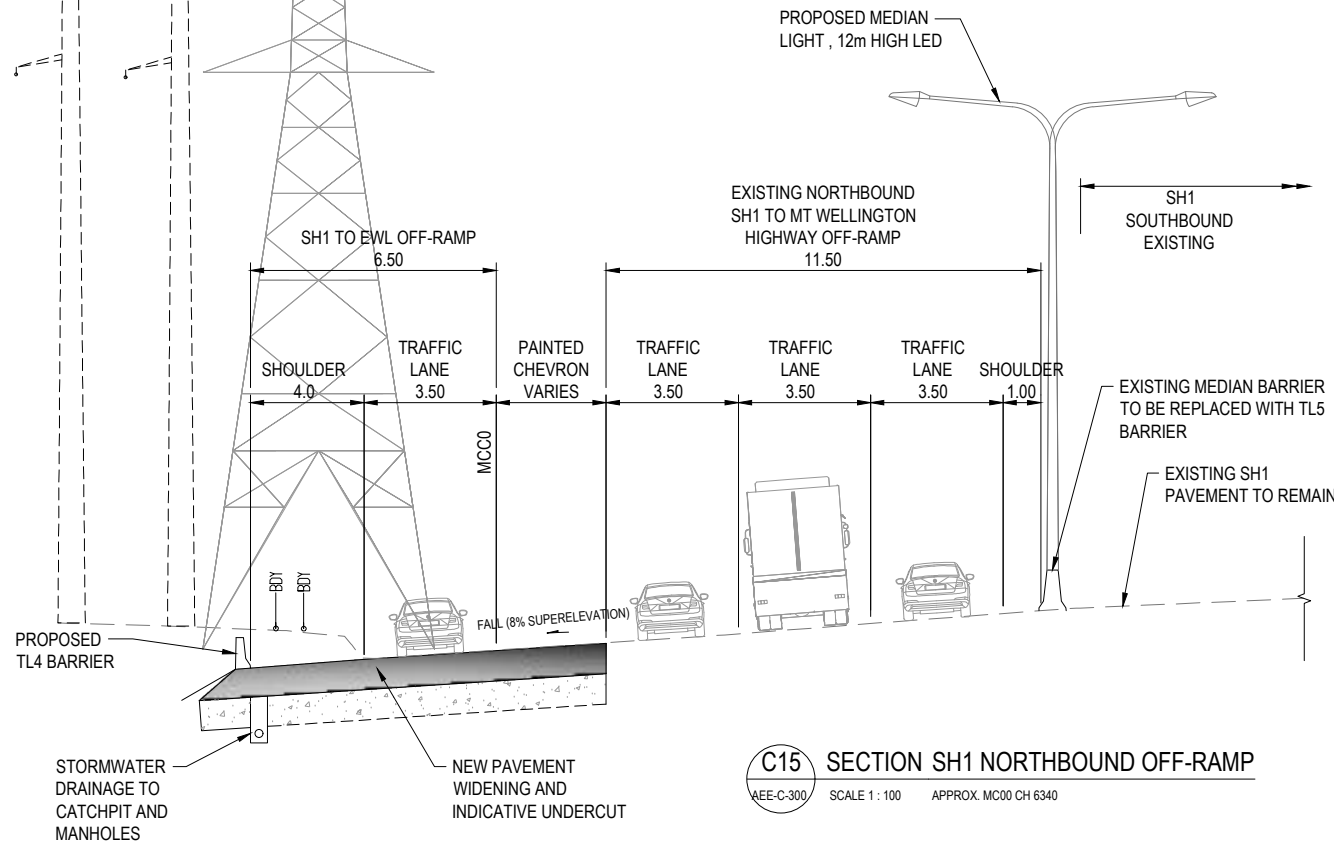


Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 9 OF 17			
Drawing Number	AEE-C-309		Rev No.	1

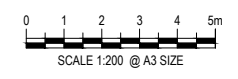


C14 SECTION SH1 SOUTHBOUND ON-RAMP
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 6500



C15 SECTION SH1 NORTHBOUND OFF-RAMP
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 6340

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FOR BOI ISSUE

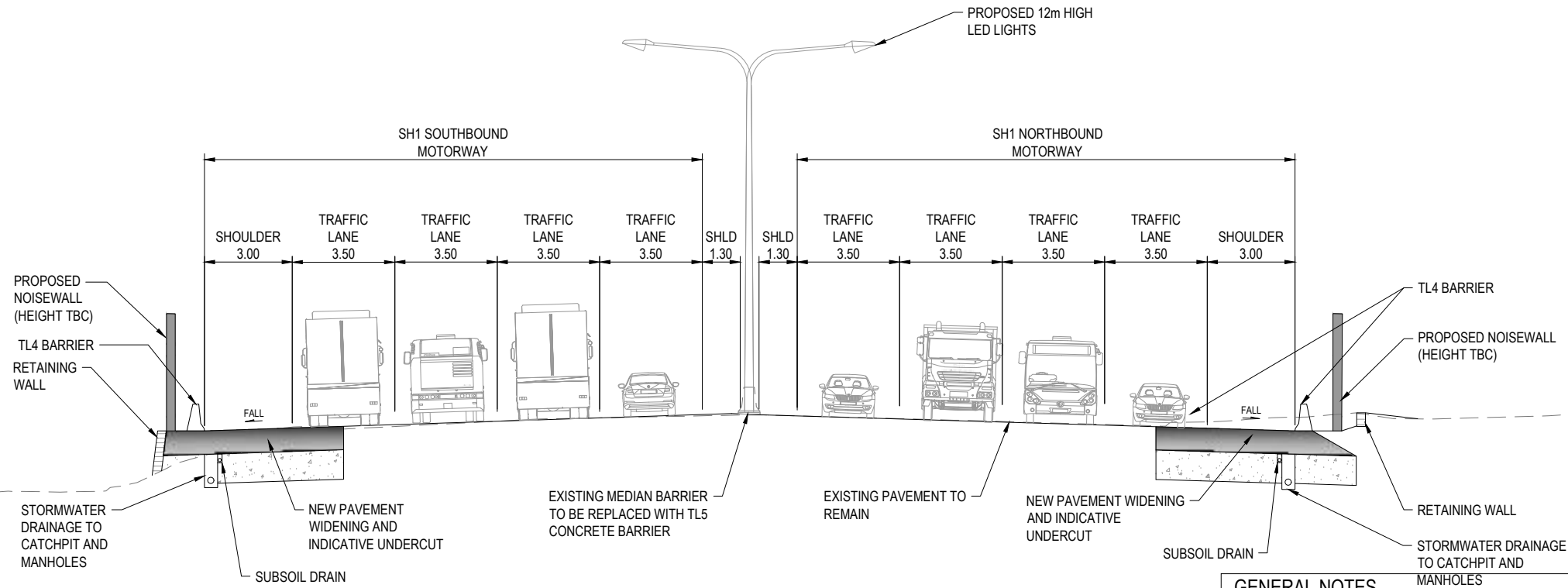
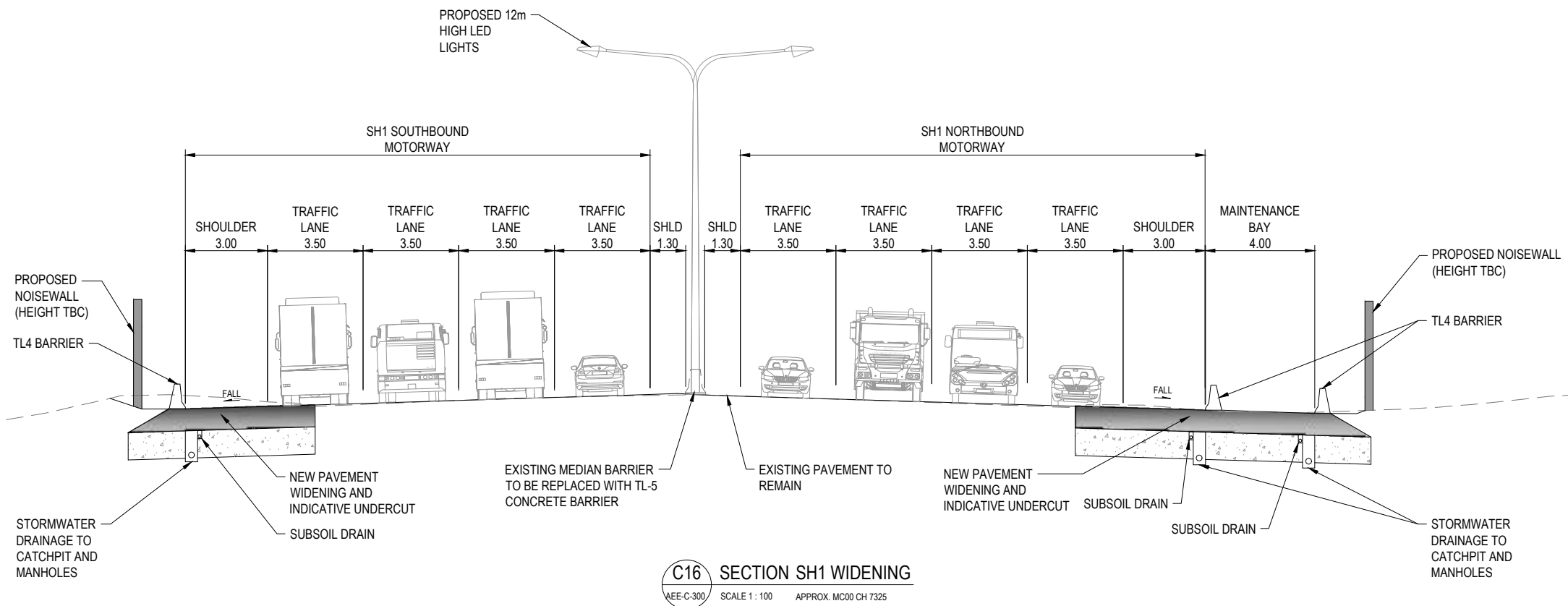
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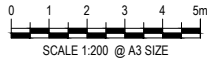
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Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 10 OF 17	Rev No. 1
Drawing Number AEE-C-310	



GENERAL NOTES

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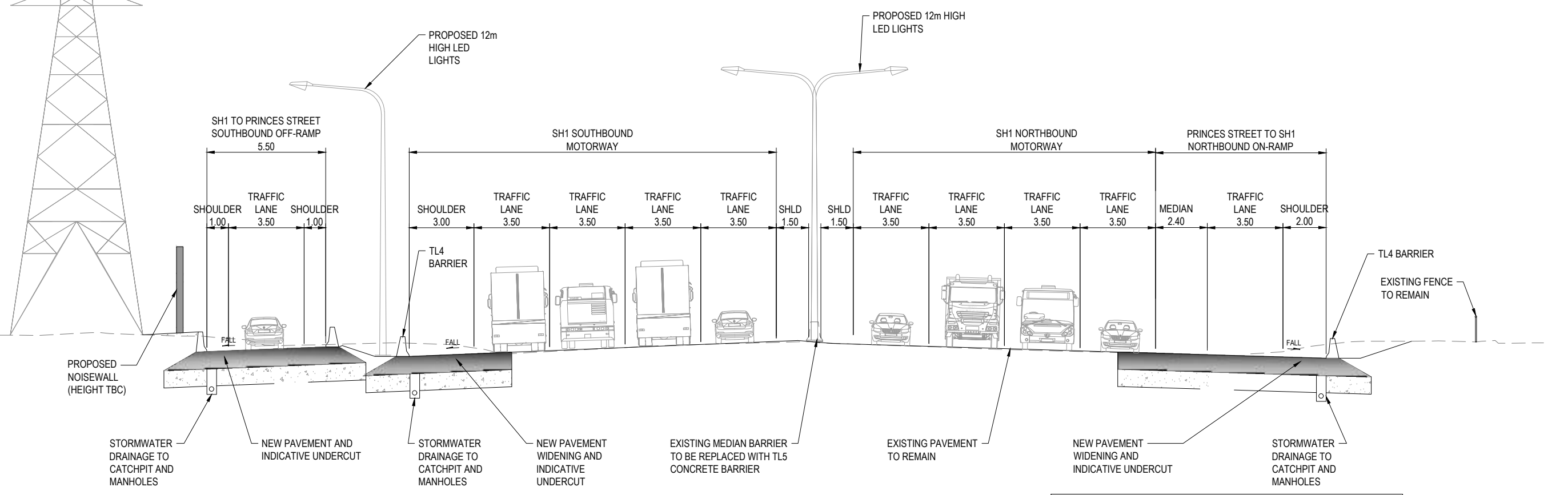
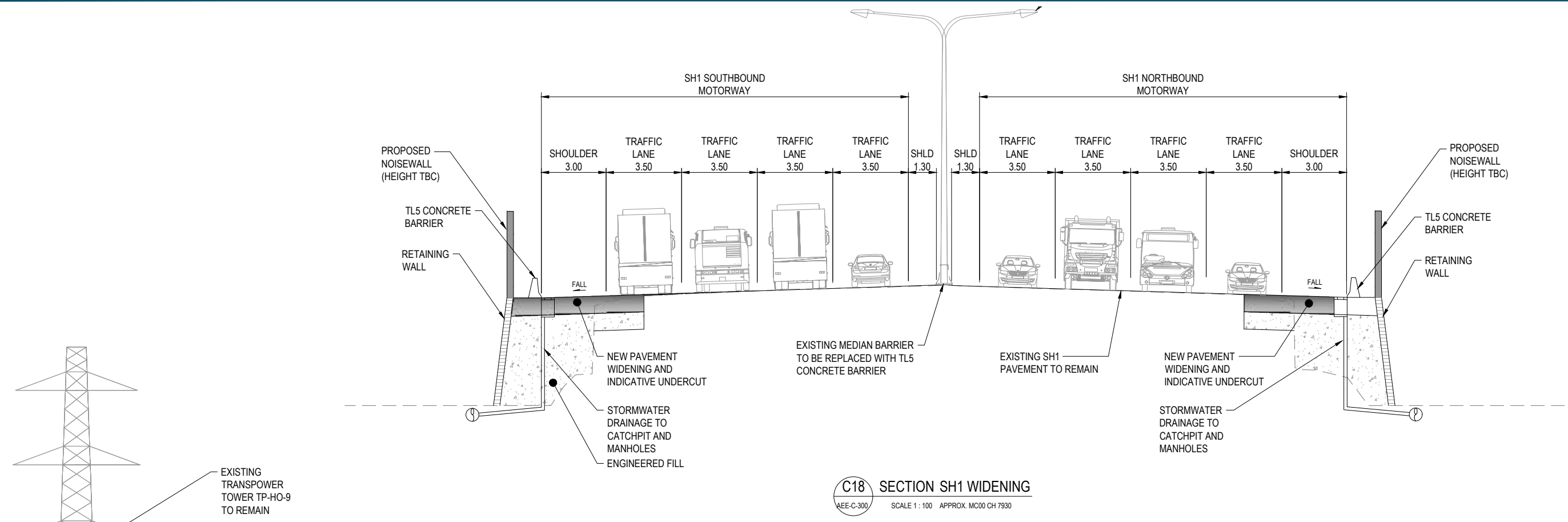
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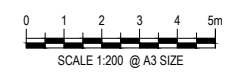
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Designed	RTAN	Design Check	J MURAHIDY			27.06.17			27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014			

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 11 OF 17		
Drawing Number	AEE-C-311	Rev No.	1



GENERAL NOTES

- ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
- REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

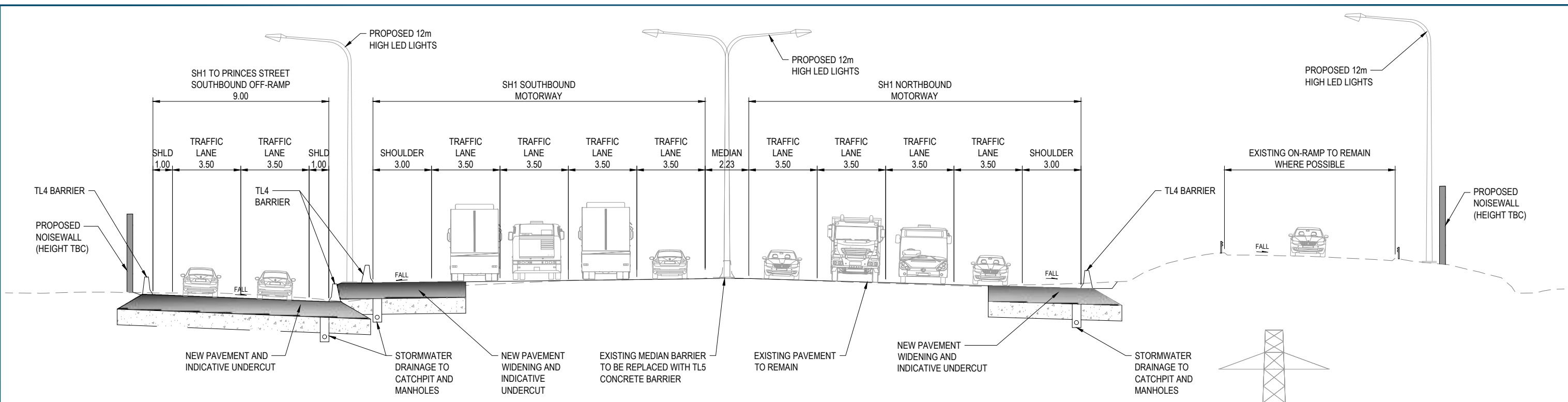
DISCLAIMER
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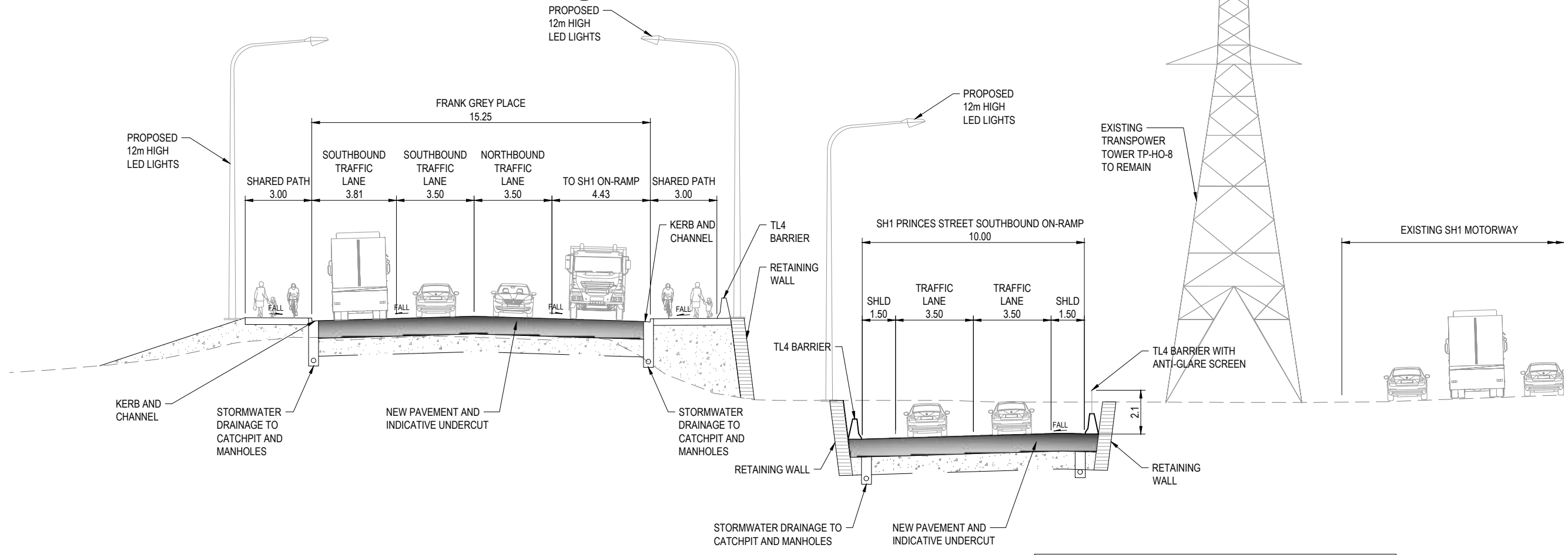
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 12 OF 17		
Drawing Number	AEE-C-312	Rev No.	1

FOR BOI ISSUE

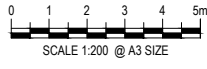


C20 SECTION SH1 WIDENING
 AEE-C-300 SCALE 1:100 APPROX. MC00 CH 8410



C21 SECTION PRINCES STREET INTERCHANGE (FRANK GREY PL)
 AEE-C-300 SCALE 1:100 APPROX. MC00 CH 8550

GENERAL NOTES
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 2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

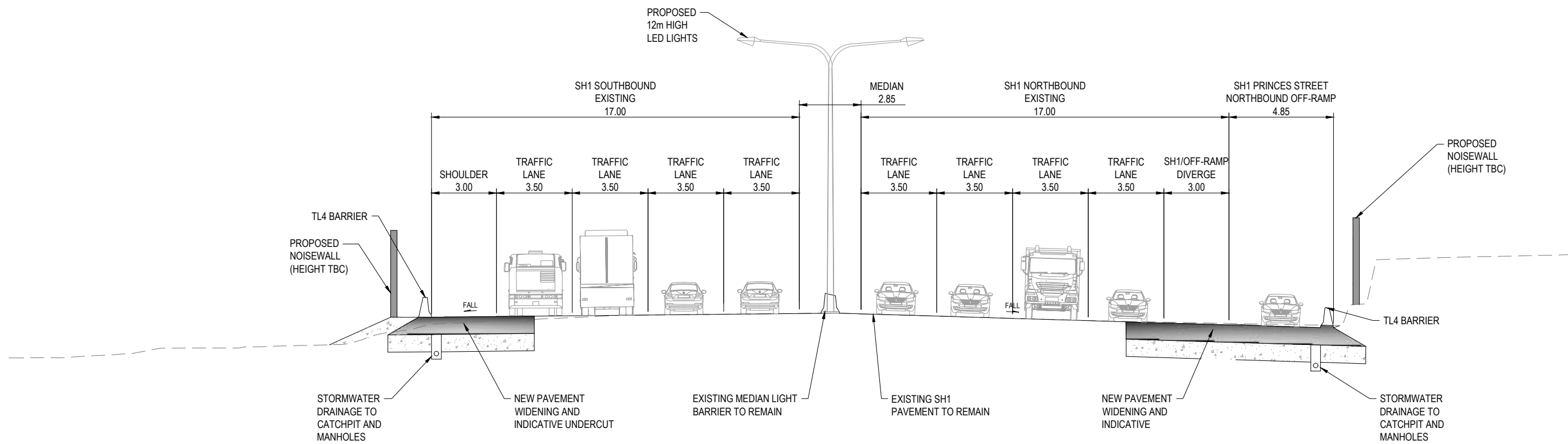
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Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 13 OF 17		
Drawing Number	AEE-C-313	Rev No.	1

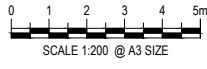
FOR BOI ISSUE



C22 SECTION SH1 WIDENING
 AEE-C-300 SCALE 1 : 100 APPROX. M000 CH 8850

GENERAL NOTES

1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

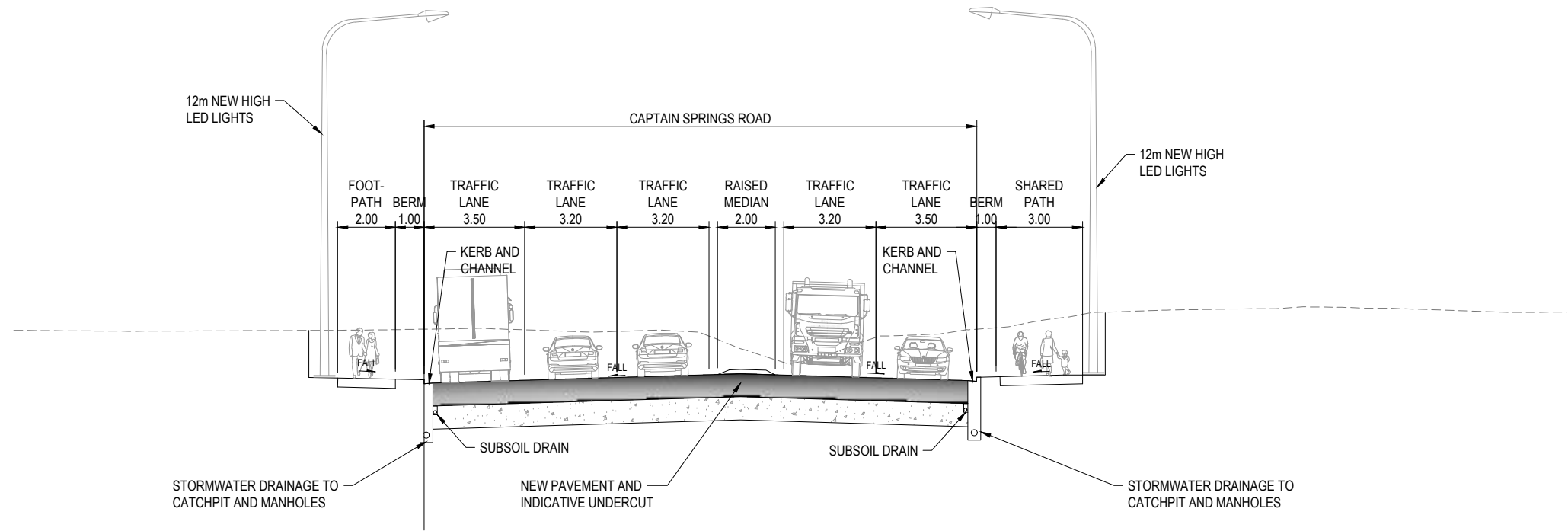
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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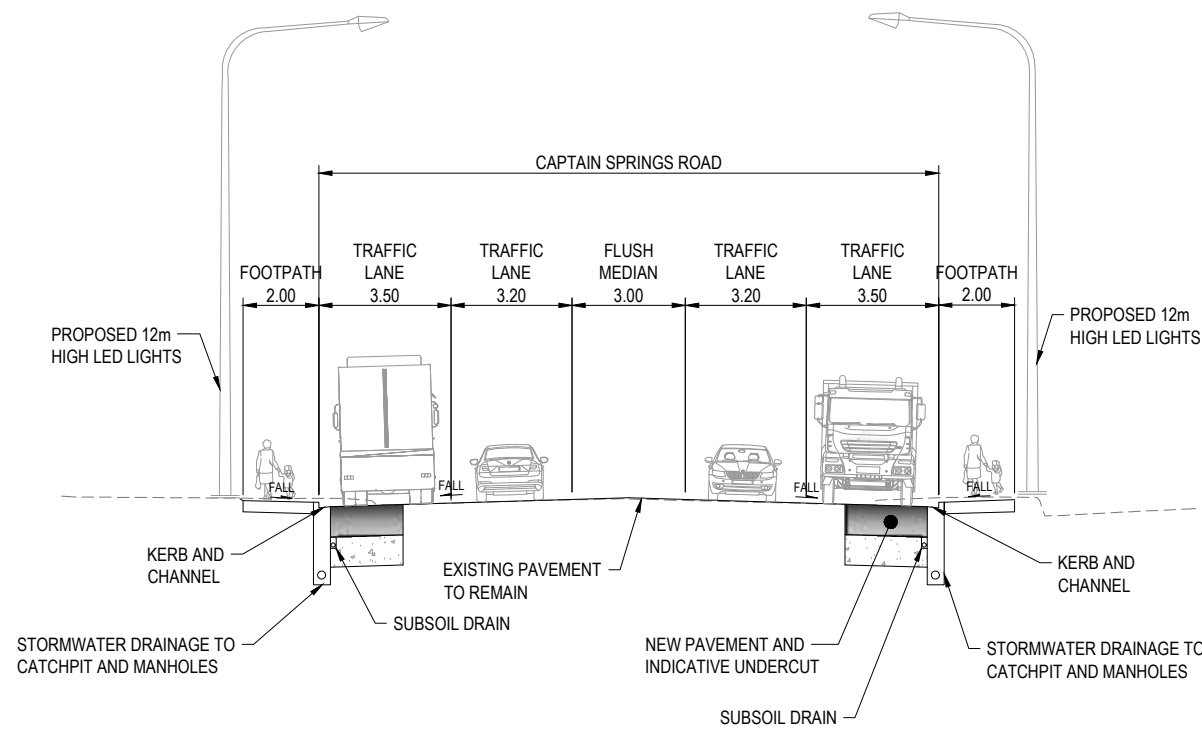


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title TYPICAL CROSS SECTION EAST WEST LINK SHEET 14 OF 17	Rev No. 1
Drawing Number AEE-C-314	



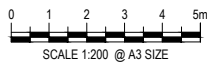
C23 SECTION CAPTAIN SPRINGS ROAD
 AEE-C-300 SCALE 1 : 100 APPROX. MCP0 CH 70



C24 SECTION CAPTAIN SPRINGS ROAD
 C-111 SCALE 1 : 100 APPROX. MCP0 CH 460

GENERAL NOTES

1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



FOR BOI ISSUE

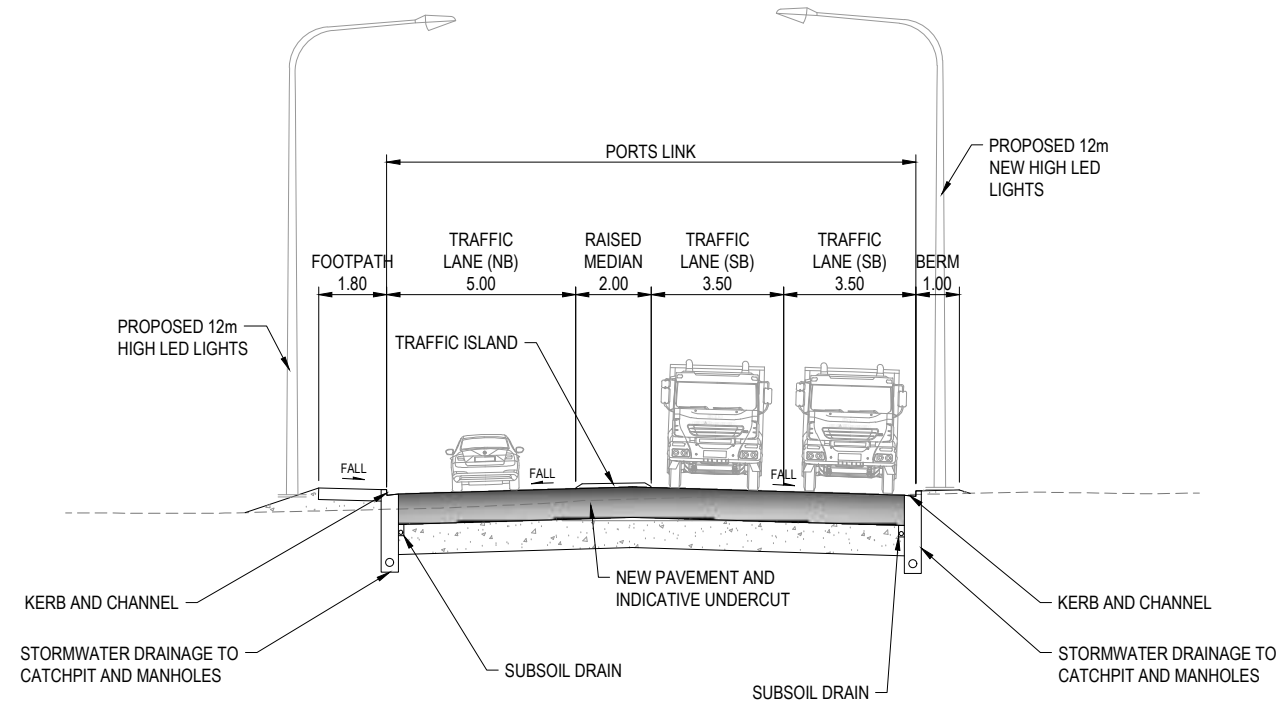
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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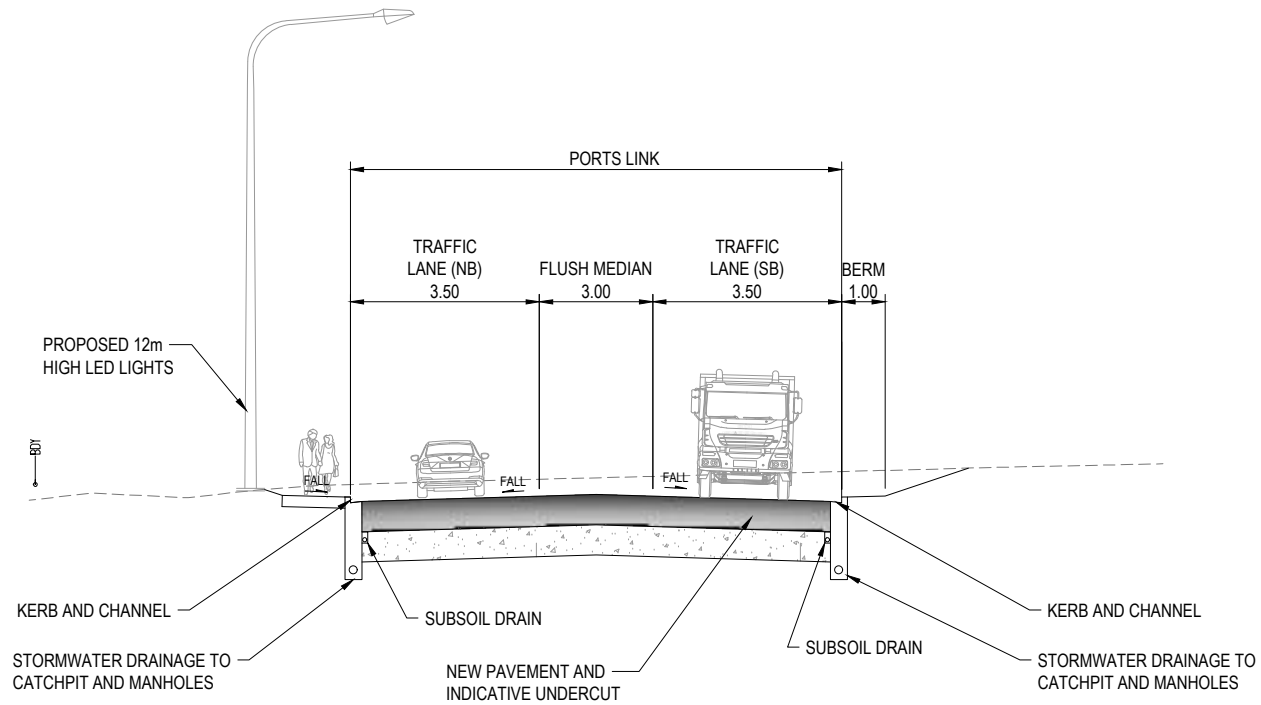


Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	TYPICAL CROSS SECTION CAPTAIN SPRINGS ROAD SHEET 15 OF 17		
Drawing Number	AEE-C-315	Rev No.	1



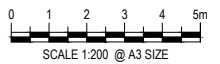
C25 SECTION PORTS LINK
AEE-C-300 SCALE 1:100 APPROX. MCR0 CH 370



C26 SECTION PORTS LINK
AEE-C-300 SCALE 1:100 APPROX. MCR0 CH 70

GENERAL NOTES

1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



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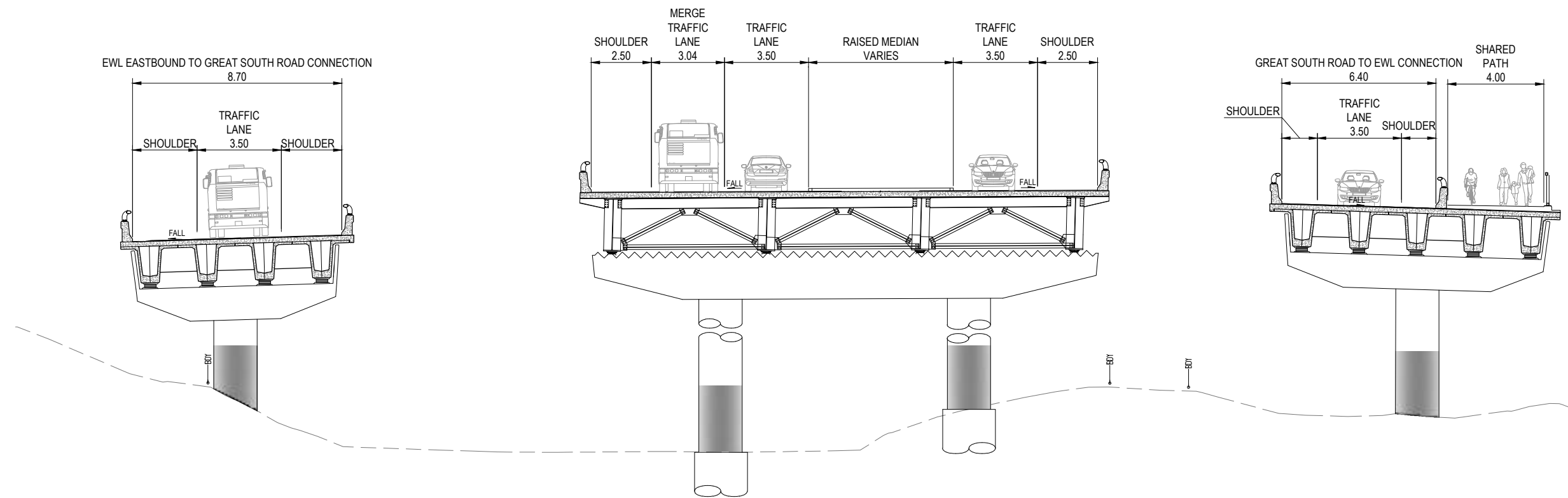
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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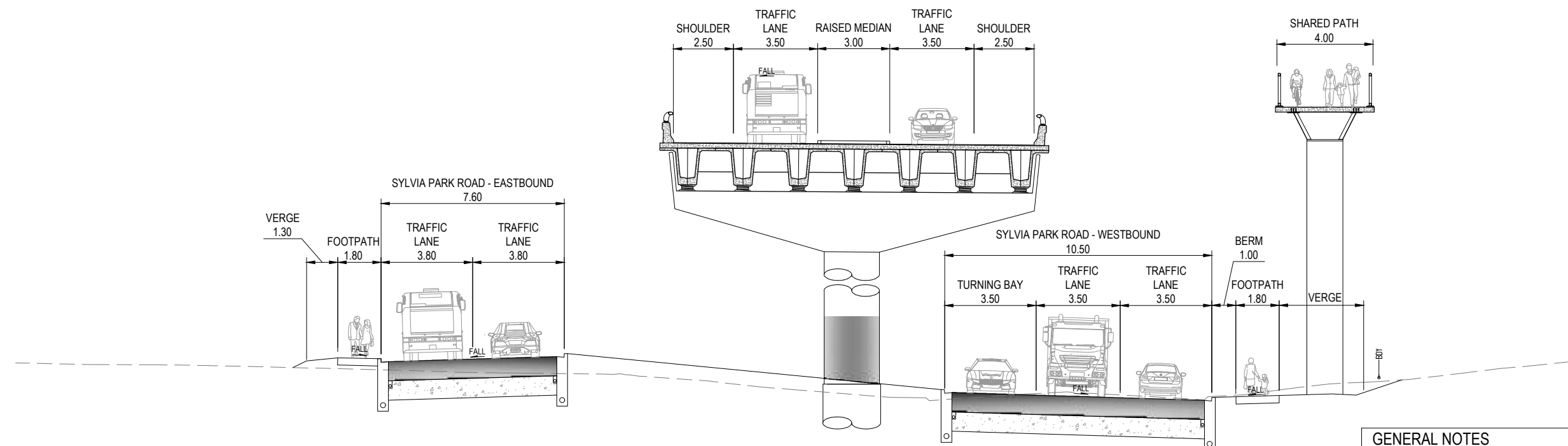


Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION PORTS LINK SHEET 16 OF 17		
Drawing Number	AEE-C-316	Rev No.	1



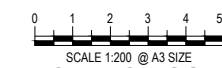
C27 SECTION EAST WEST LINK (WEST OF GREAT SOUTH ROAD)
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 4900



C28 SECTION EAST WEST LINK/ SYLVIA PARK ROAD (EAST OF GREAT SOUTH ROAD)
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 5200

GENERAL NOTES

1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.



SCALE 1:200 @ A3 SIZE
FOR BOI ISSUE

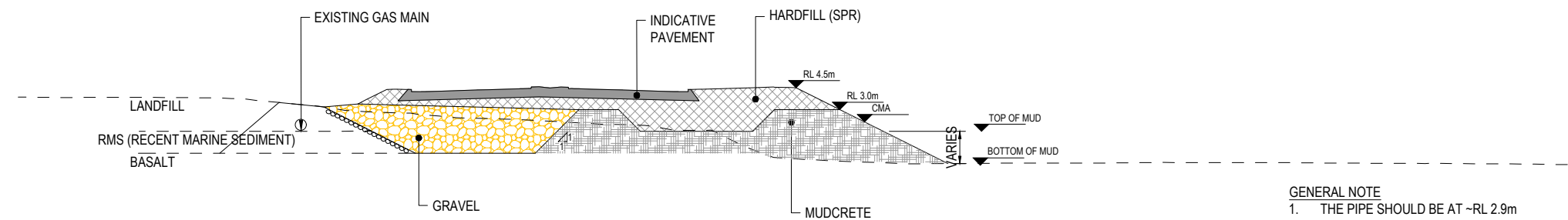
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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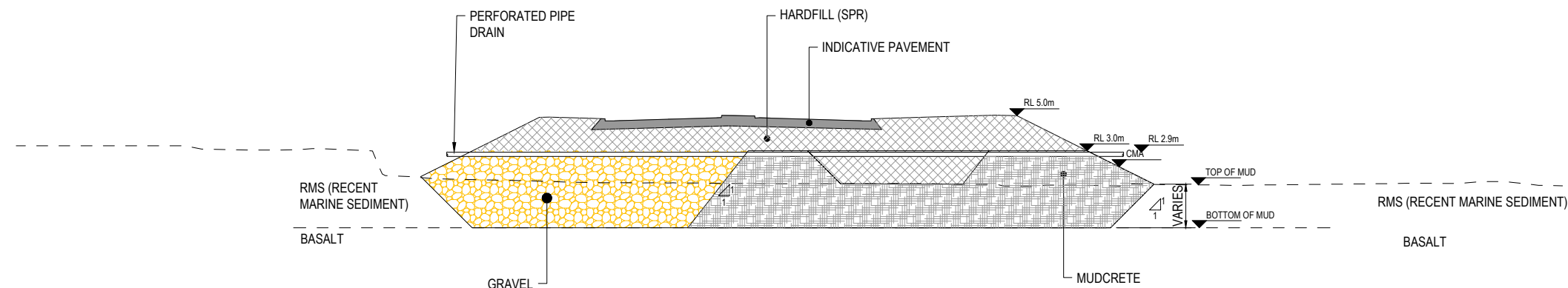
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	TYPICAL CROSS SECTION GREAT SOUTH ROAD INTERSECTION SHEET 17 OF 17		
Drawing Number	AEE-C-317	Rev No.	1



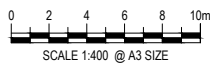
Q1 SECTION - EMBANKMENT (MC00 CH 1400)
C-300 SCALE 1 : 400 (A3)

- GENERAL NOTE**
1. THE PIPE SHOULD BE AT ~RL 2.9m
 2. FLOOD VALVE AS REQUIRED.
 3. FILTER SOCK (GEOTEXTILE) AROUND PIPE.
 4. HARDFILL (SPR) CAN BE REPLACED WITH MUDCRETE TO SUIT MATERIAL AVAILABILITY.



Q2 SECTION - EMBANKMENT (MC00 CH 1800)
C-300 SCALE 1 : 400 (A3)

- GENERAL NOTE**
1. THE PIPE SHOULD BE AT ~RL 2.9m
 2. FLOOD VALVE AS REQUIRED.
 3. FILTER SOCK (GEOTEXTILE) AROUND PIPE.
 4. HARDFILL (SPR) CAN BE REPLACED WITH MUDCRETE TO SUIT MATERIAL AVAILABILITY.



FOR BOI ISSUE

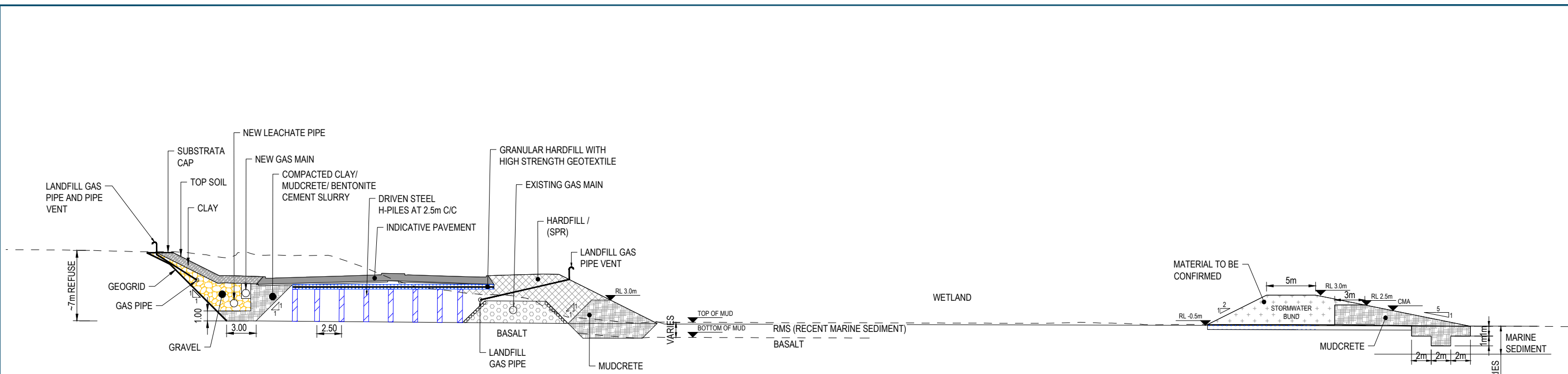
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed D AVANIDOU	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

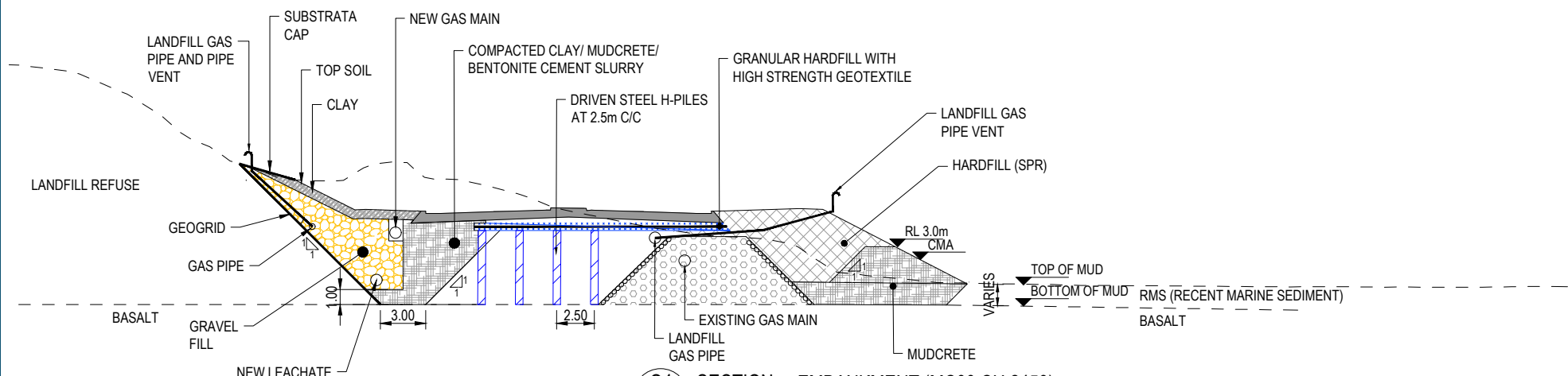
Drawing Title TYPICAL CROSS SECTION EMBANKMENT TYPICAL CROSS SECTION SHEET 01 OF 04	Drawing Number AEE-C-321	Rev No. 1
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Q3 SECTION- EMBANKMENT (MC00 CH 2100)
 C-300 SCALE 1 : 400 (A3) END OF WAIKARAKA CEMETERY TO CAPTAIN SPRINGS ROAD

GENERAL NOTE

1. TEMPORARY EXCAVATION MAY NEED SUPPORT DURING CONSTRUCTION SUCH AS TRENCH SHIELDS.
2. LEACHATE PIPE ELEVATION SUBJECT TO DETAILED HYDRAULIC DESIGN.
3. GAS COLLECTION SYSTEM REQUIRED WHERE FILL IS PLACED OVER LANDFILL.
4. HARDFILL (SPR) CAN BE REPLACED WITH MUDCRETE TO SUIT MATERIAL AVAILABILITY.
5. LEACHATE COLLECTION SYSTEM WILL BE DEVELOPED IN CONJUNCTION WITH AUCKLAND COUNCIL AS THE ASSET OWNER.
6. CHAINAGE 1650 TO 2000, MINIMUM THICKNESS OF 0.5m GRAVEL TO BE PLACED BENEATH MUDCRETE LANDFORM.



Q4 SECTION - EMBANKMENT (MC00 CH 2450)
 C-300 SCALE 1 : 400 (A3) CAPTAIN SPRINGS ROAD TO MIAMI STREAM

GENERAL NOTE

1. TEMPORARY EXCAVATION MAY NEED SUPPORT DURING CONSTRUCTION SUCH AS TRENCH SHIELDS.
2. LEACHATE PIPE ELEVATION SUBJECT TO DETAILED HYDRAULIC DESIGN.
3. CONTAMINATED LAND TEAM TO CONFIRM DESIGN/ SLOPE CUT IN LANDFILL.
4. GAS COLLECTION SYSTEM REQUIRED WHERE FILL IS PLACED OVER LANDFILL.
5. LEACHATE COLLECTION SYSTEM WILL BE DEVELOPED IN CONJUNCTION WITH AUCKLAND COUNCIL AS THE ASSET OWNER.



FOR BOI ISSUE

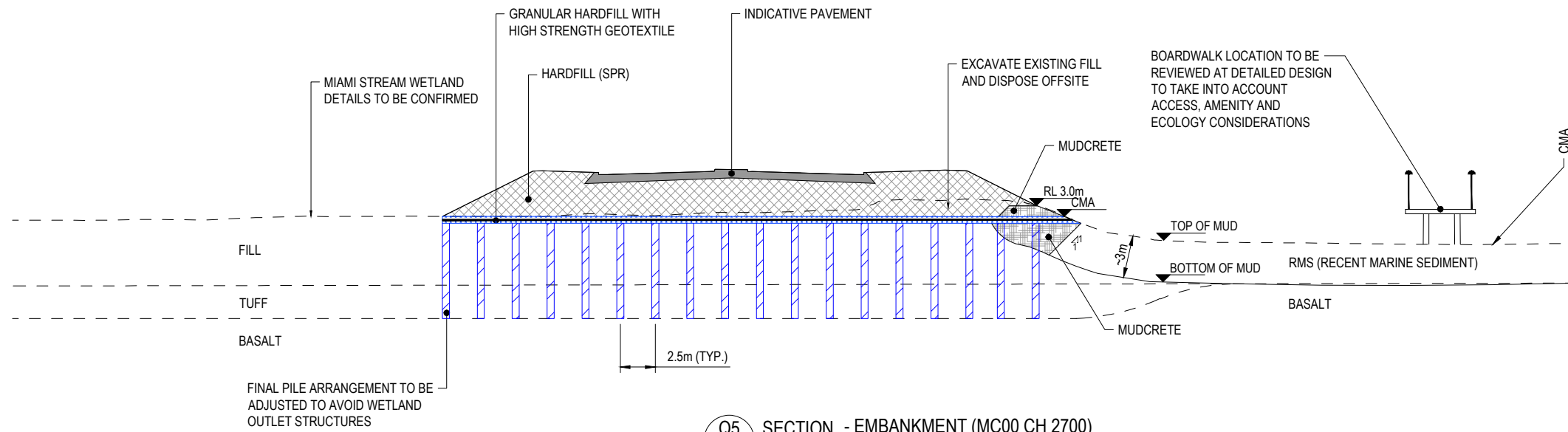
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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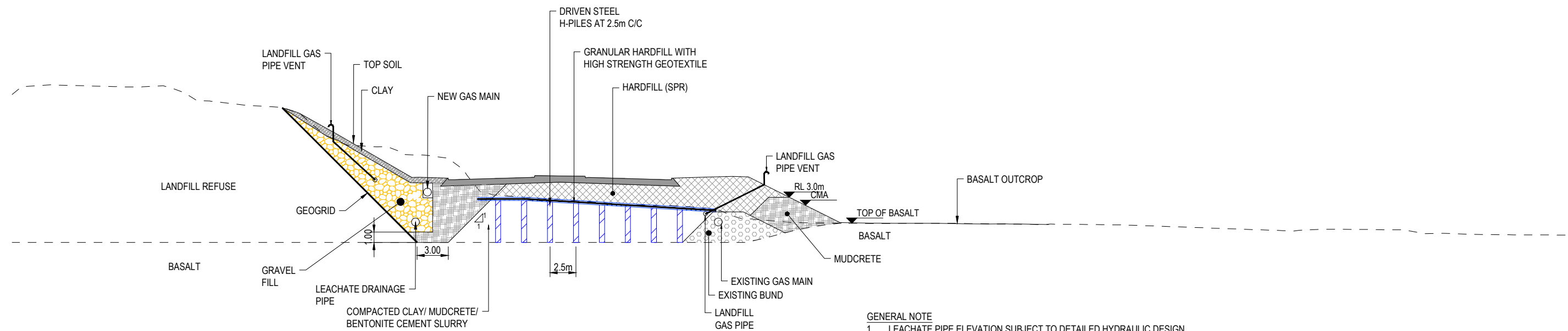
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	D AVANIDOU	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EMBANKMENT TYPICAL CROSS SECTION SHEET 02 OF 04		
Drawing Number	AEE-C-322	Rev No.	1



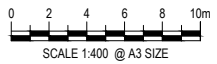
Q5 SECTION - EMBANKMENT (MC00 CH 2700)
 C-300 SCALE 1 : 400 (A3) MIAMI STREAM (BANKS)

- GENERAL NOTE**
1. REMOVE EXISTING STORMWATER PIPES/CULVERT.
 2. LEACHATE COLLECTION SYSTEM WILL BE DEVELOPED IN CONJUNCTION WITH AUCKLAND COUNCIL AS THE ASSET OWNER.



Q6 SECTION - EMBANKMENT (MC00 CH 3000)
 C-300 SCALE 1 : 400 (A3) PORTS LINK

- GENERAL NOTE**
1. LEACHATE PIPE ELEVATION SUBJECT TO DETAILED HYDRAULIC DESIGN.
 2. GAS COLLECTION SYSTEM REQUIRED WHERE FILL IS PLACED OVER LANDFILL.
 3. HARDFILL (SPR) CAN BE REPLACED WITH MUDCRETE TO SUIT MATERIAL AVAILABILITY.
 4. LEACHATE COLLECTION SYSTEM WILL BE DEVELOPED IN CONJUNCTION WITH AUCKLAND COUNCIL AS THE ASSET OWNER.



FOR BOI ISSUE

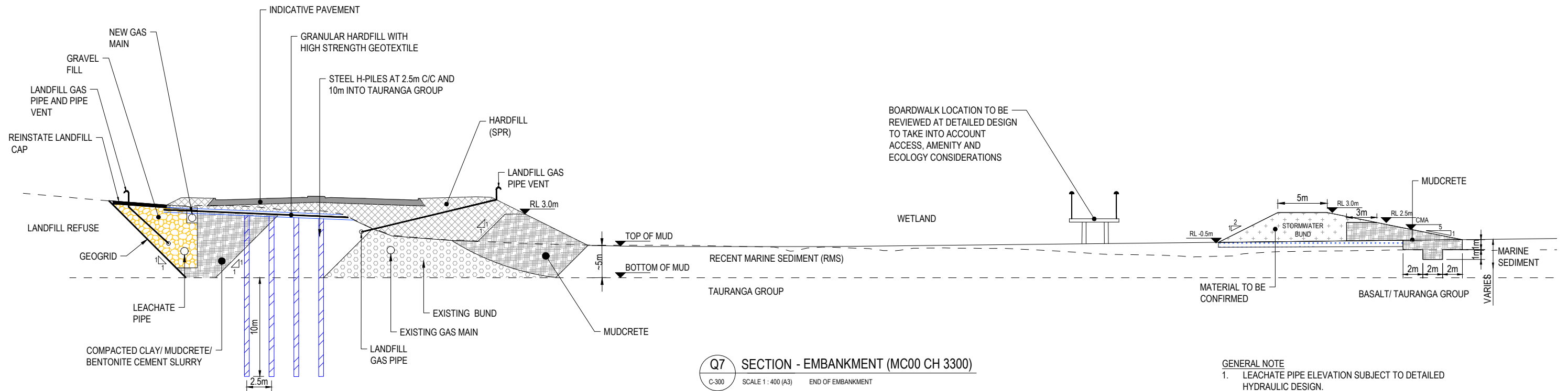
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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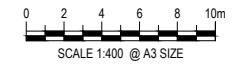
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	D AVANIDOU	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	TYPICAL CROSS SECTION EMBANKMENT TYPICAL CROSS SECTION SHEET 03 OF 04		
Drawing Number	AEE-C-323	Rev No.	1



Q7 SECTION - EMBANKMENT (MC00 CH 3300)
 C-300 SCALE 1 : 400 (A3) END OF EMBANKMENT

- GENERAL NOTE**
1. LEACHATE PIPE ELEVATION SUBJECT TO DETAILED HYDRAULIC DESIGN.
 2. GAS COLLECTION SYSTEM REQUIRED WHERE FILL IS PLACED OVER LANDFILL.
 3. HARDFILL (SPR) CAN BE REPLACED WITH MUDCRETE TO SUIT MATERIAL AVAILABILITY.
 4. LEACHATE COLLECTION SYSTEM WILL BE DEVELOPED IN CONJUNCTION WITH AUCKLAND COUNCIL AS THE ASSET OWNER.



FOR BOI ISSUE

No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	D AVANIDOU	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EMBANKMENT TYPICAL CROSS SECTION SHEET 04 OF 04		
Drawing Number	AEE-C-324	Rev No.	1