

# 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
	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**

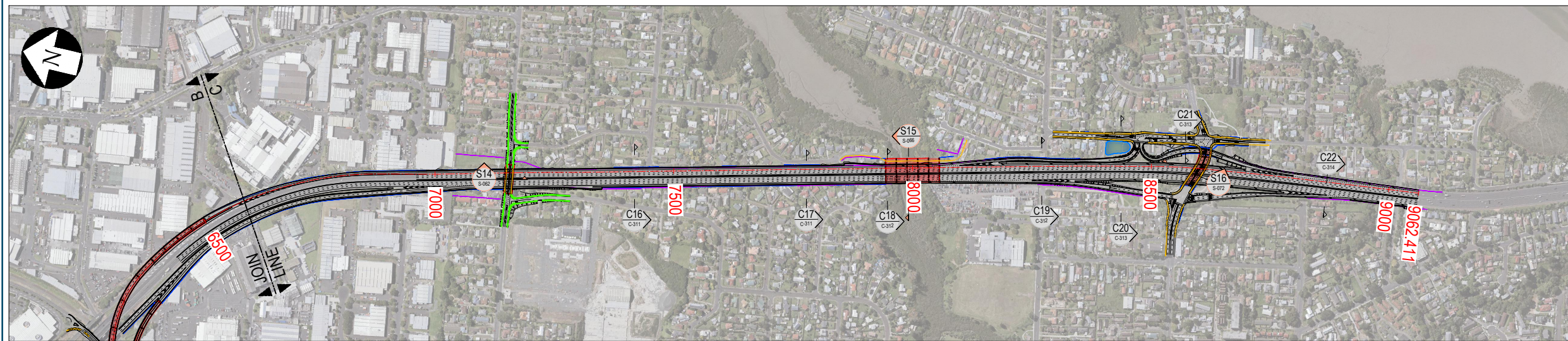
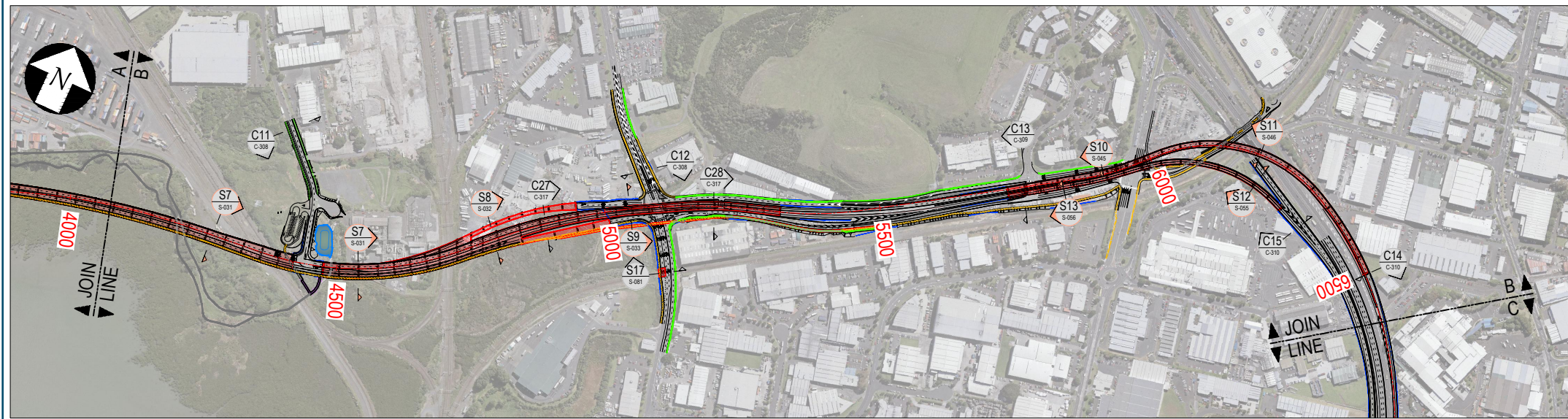
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2	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14.12.2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager 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	
Drawing Number	AEE-C-002	Rev No. 2



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
No.	Issued Status	Drawn	Check'd	App'd	Date

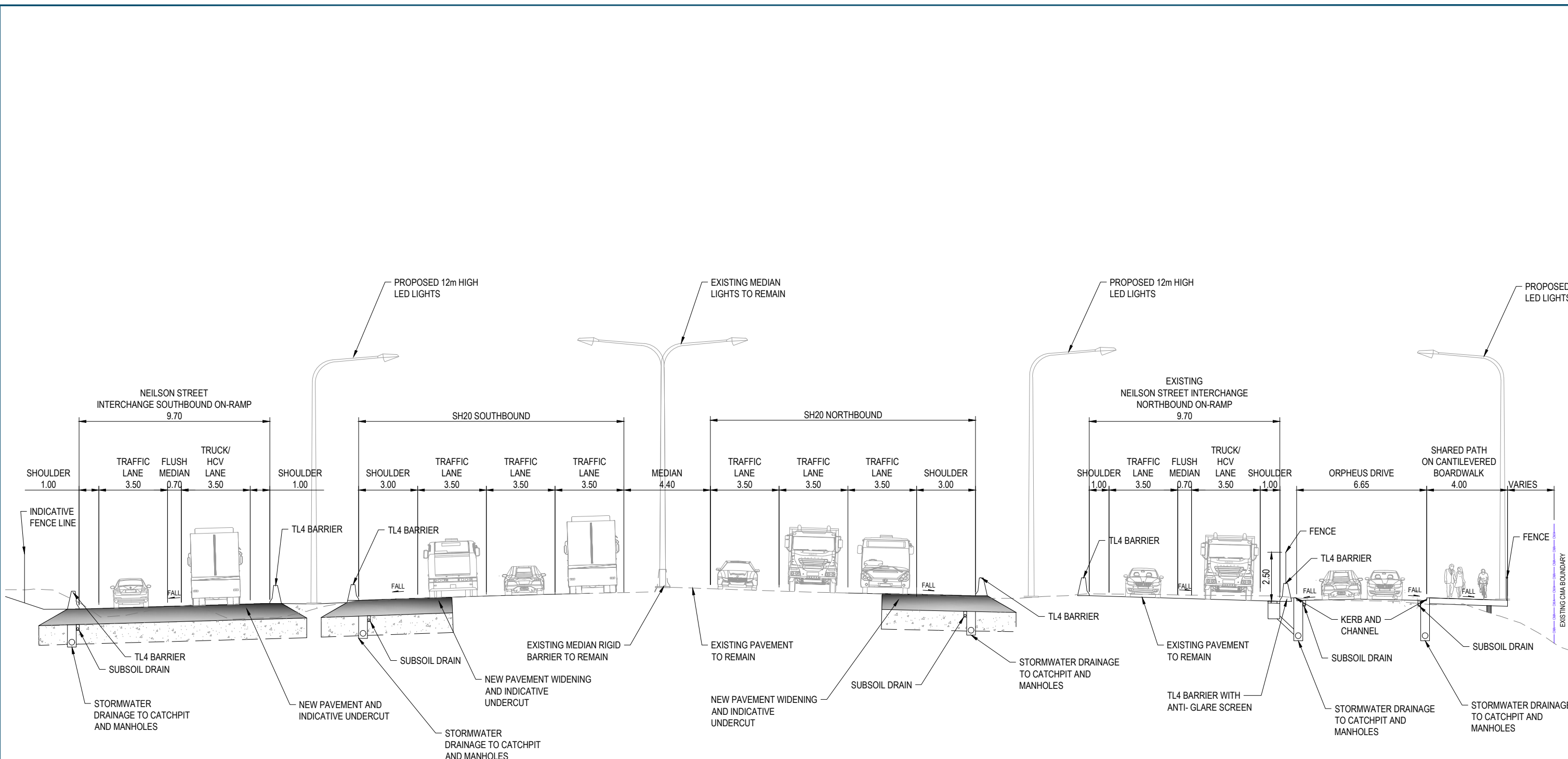
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	R TAN	Design Check	J MURAHIDY		N NANCEKIVELL		J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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.



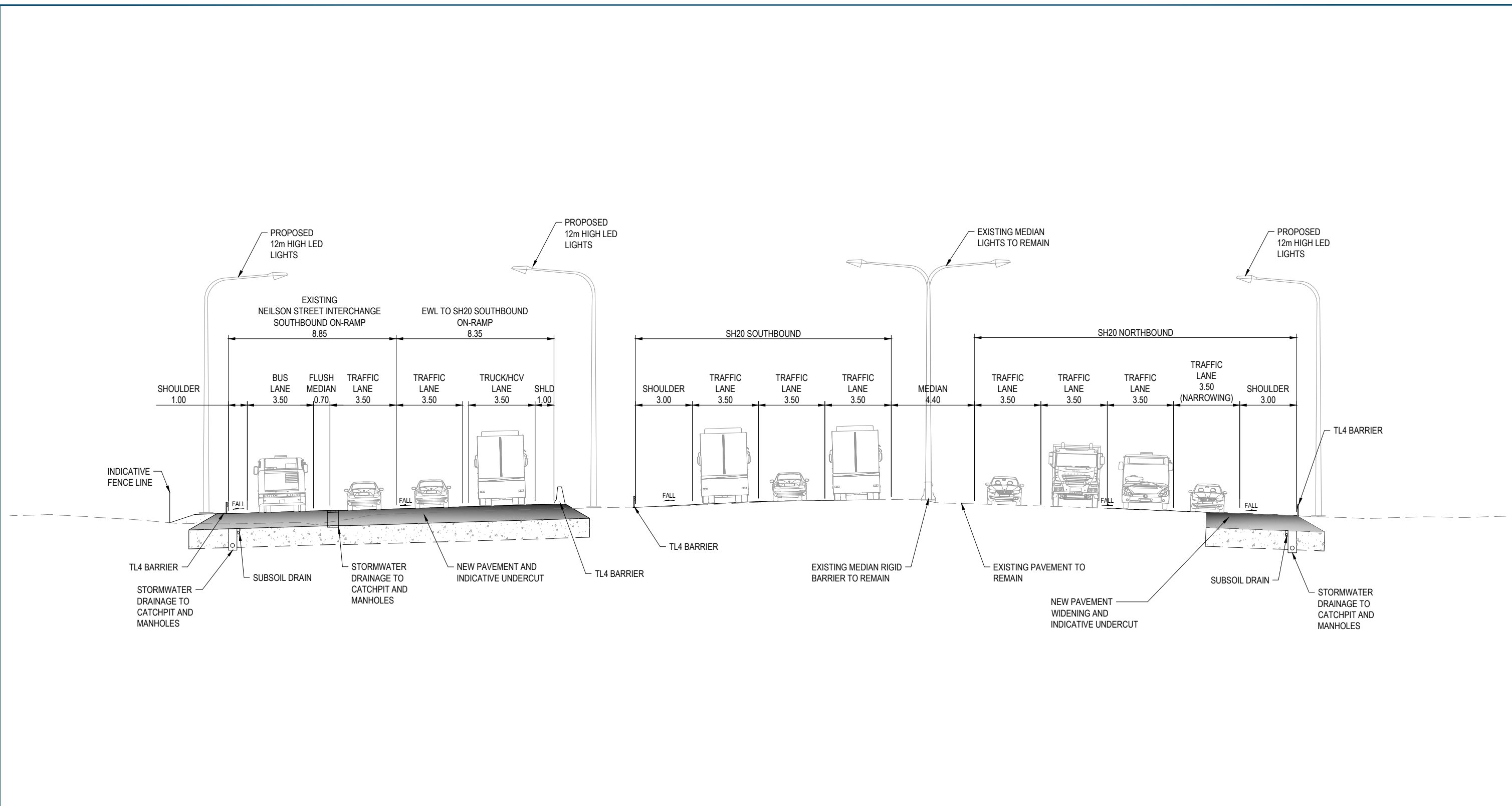
**FOR BOI ISSUE**

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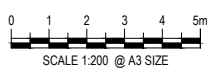
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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.



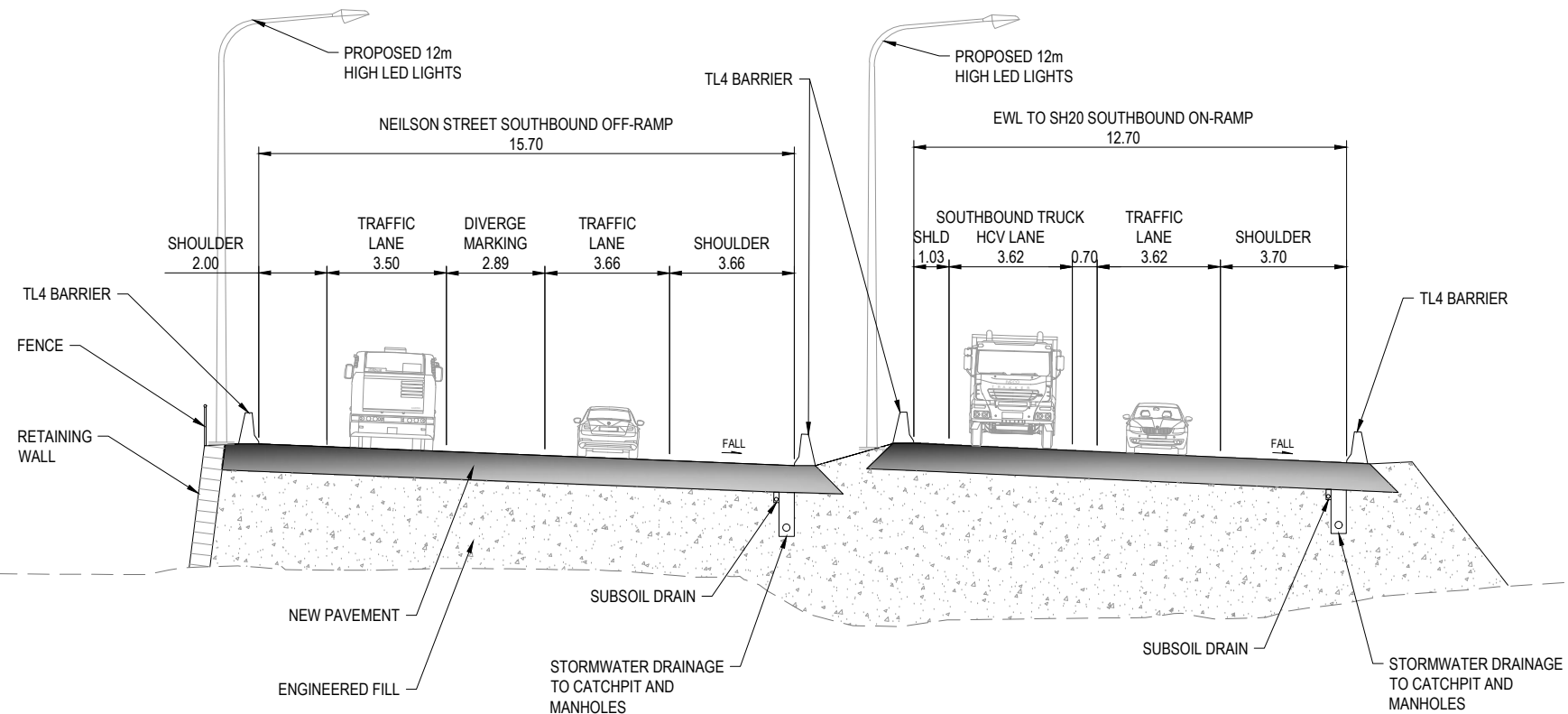
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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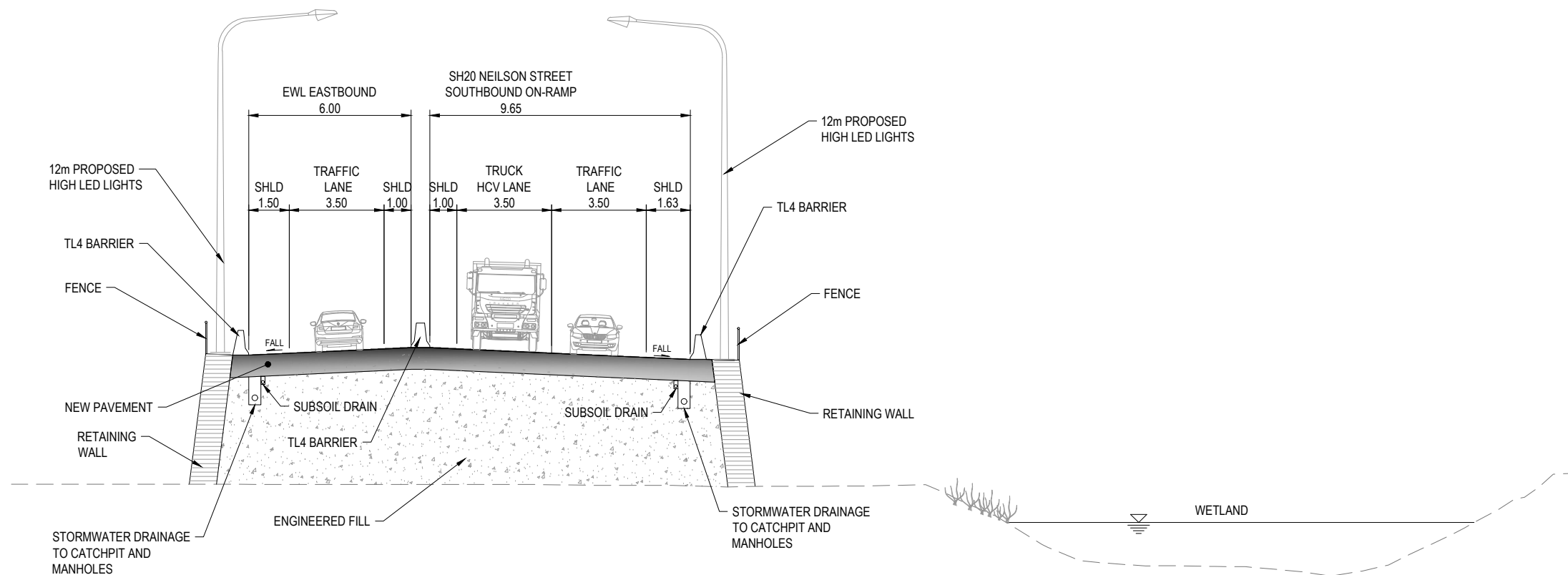
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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

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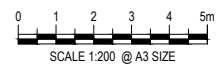


**C3 SECTION SH20 NEILSON STREET SOUTHBOUND OFF-RAMP**  
 AEE-C-300 SCALE 1 : 100 APPROX. MCD0 CH 215



**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**

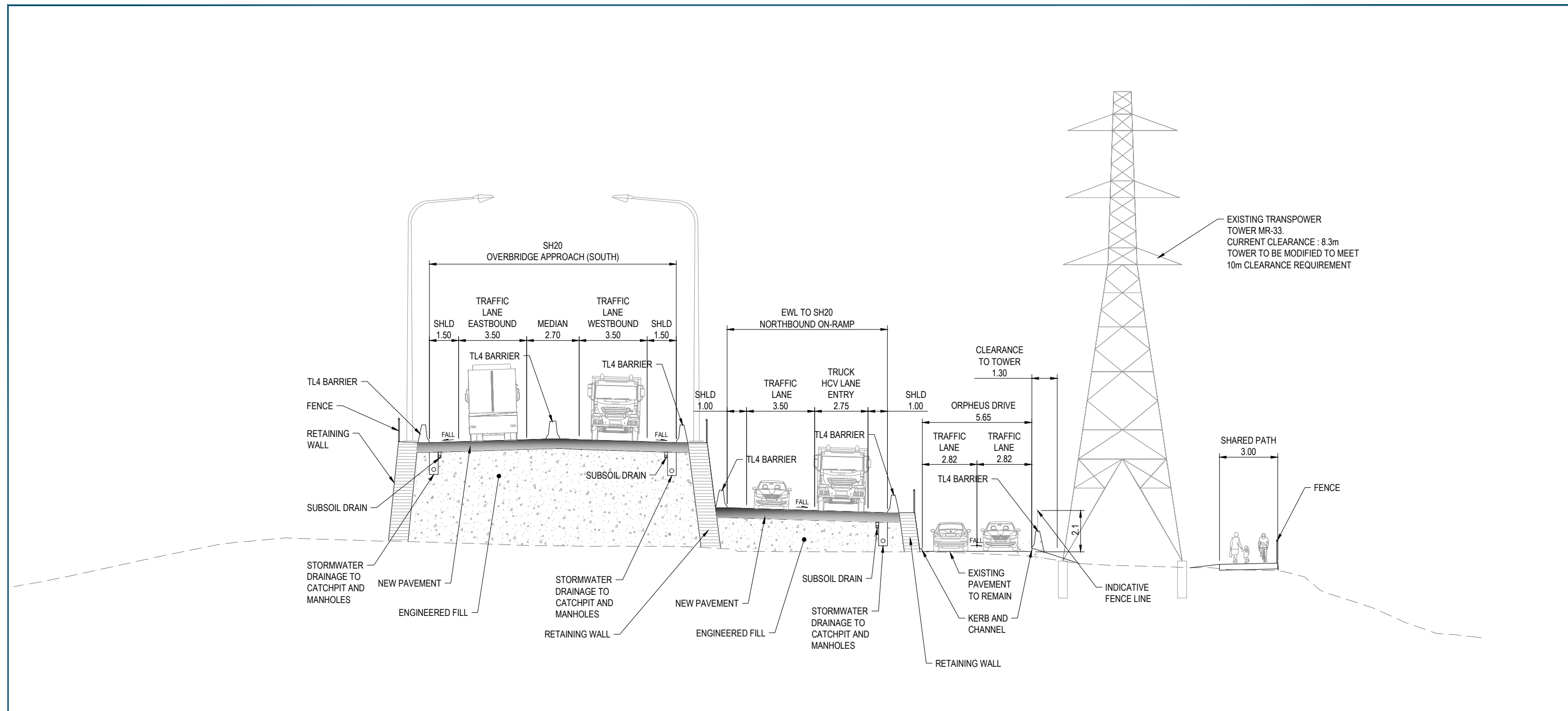
No.	Issued Status	Drawn	Check'd	App'd	Date
1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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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		

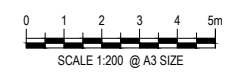
Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 03 OF 17		
Drawing Number	AEE-C-303	Rev No.	1



**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.



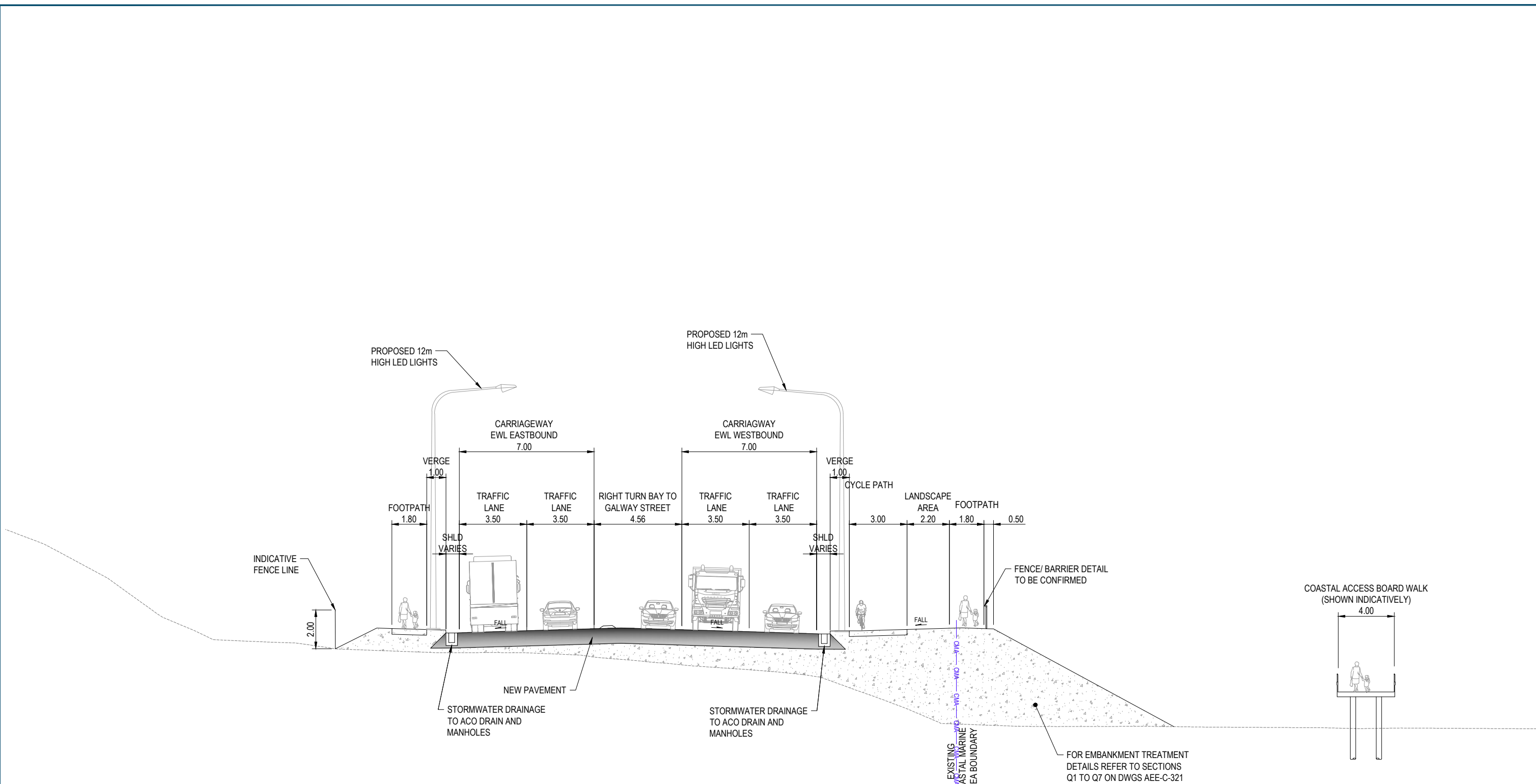
**FOR BOI ISSUE**

No.	Issued Status	Drawn	Check'd	App'd	Date
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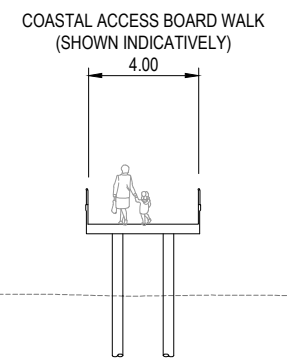
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Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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



**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.

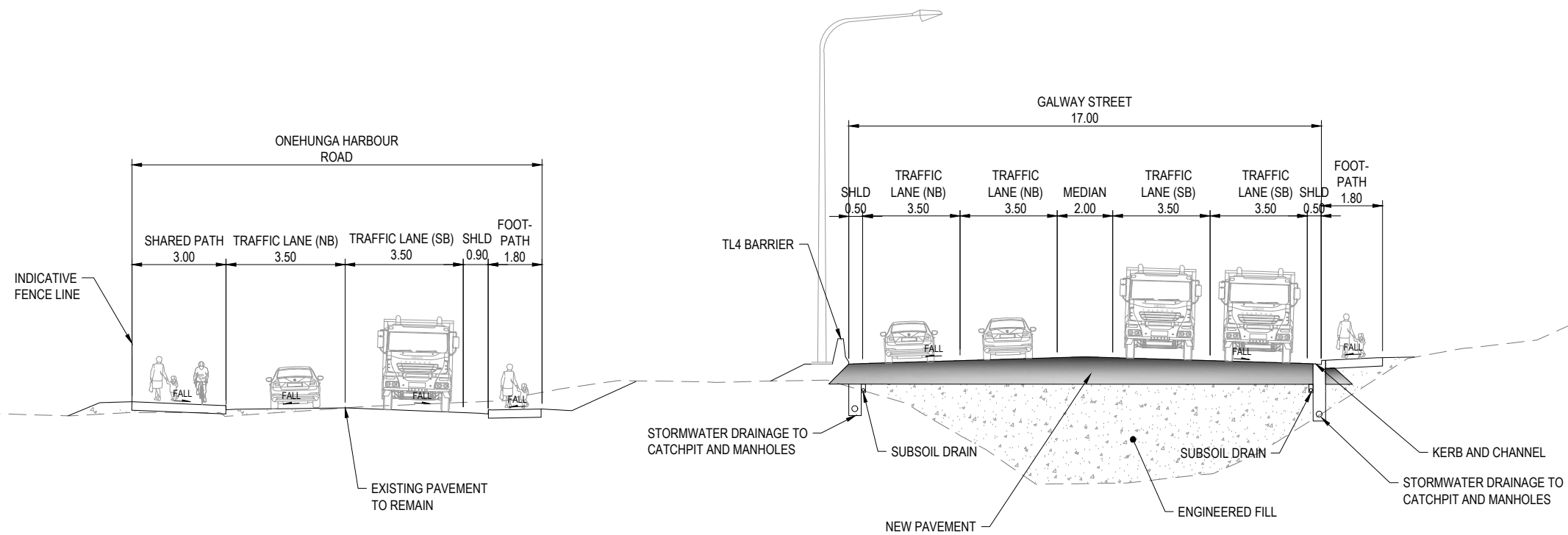


No.	Issued Status	Drawn	Check'd	App'd	Date
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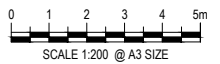
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

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



**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.



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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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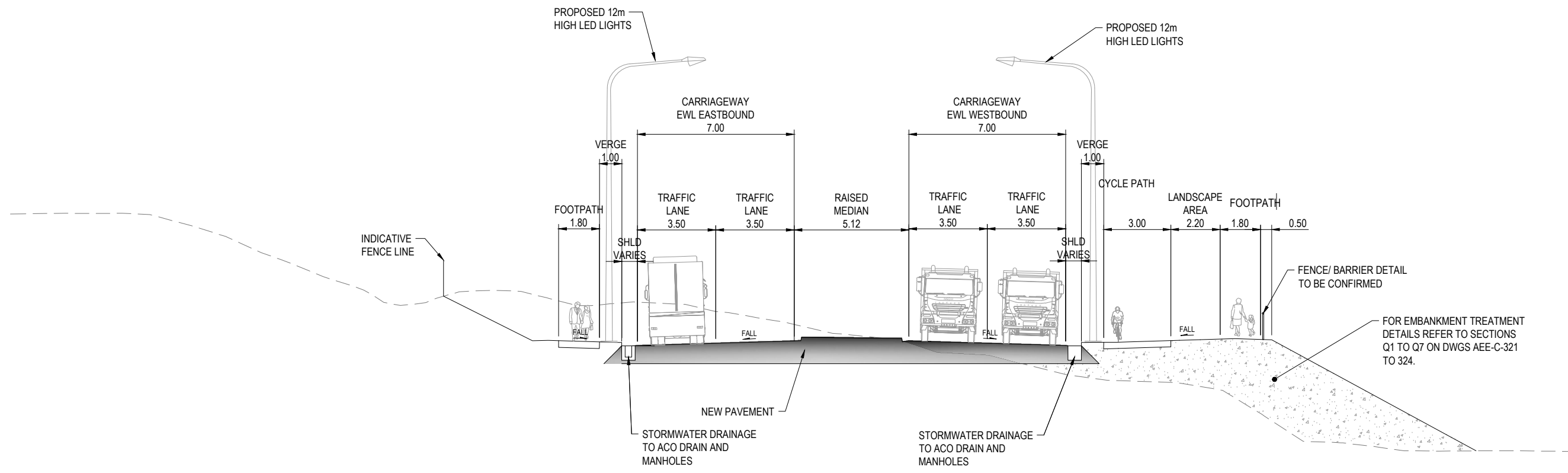


**East West Link**

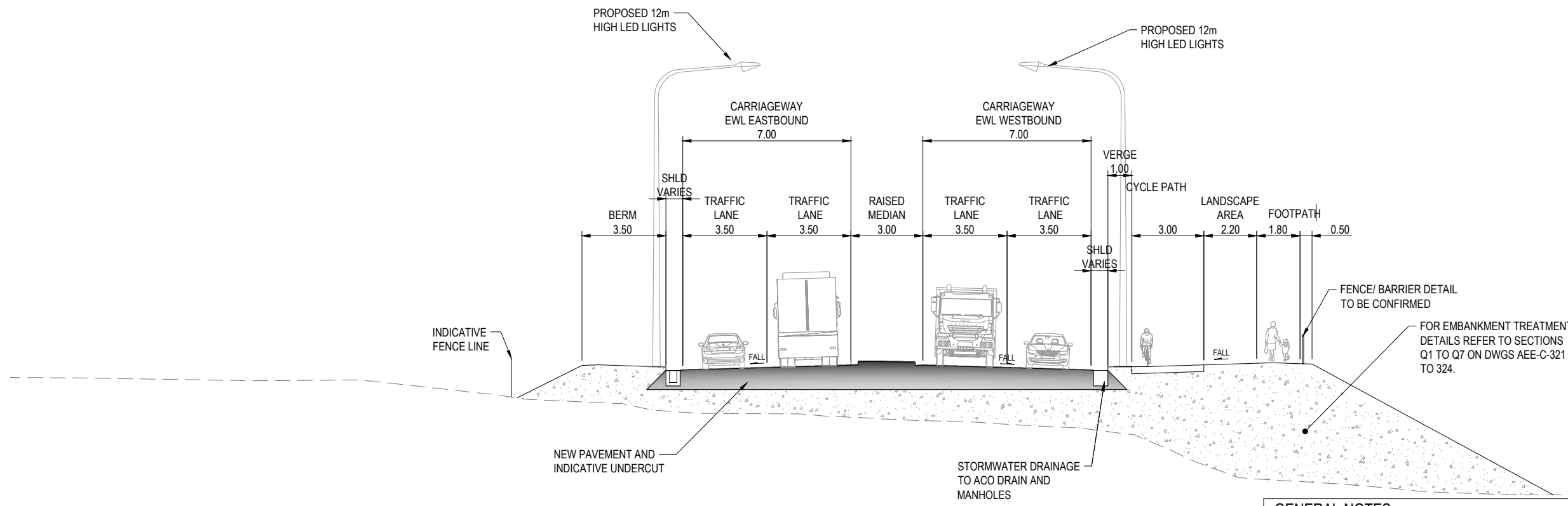
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Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

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





**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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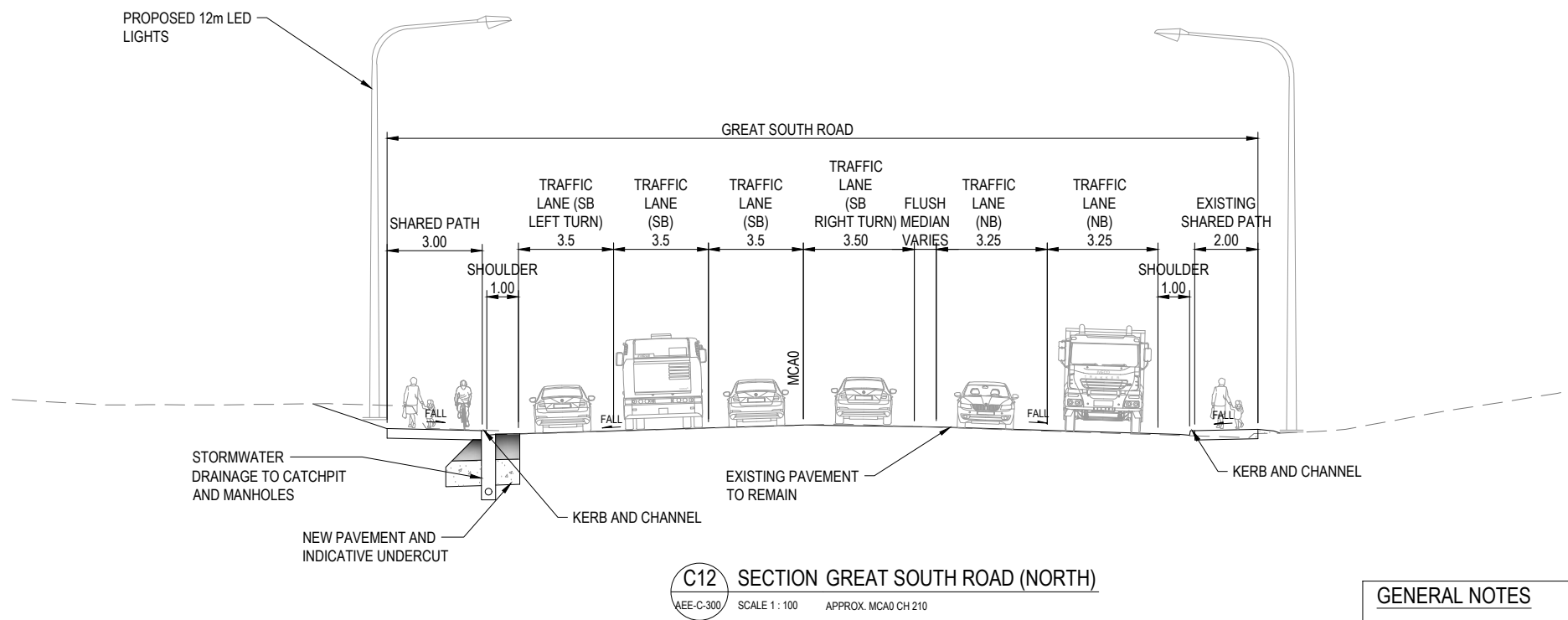
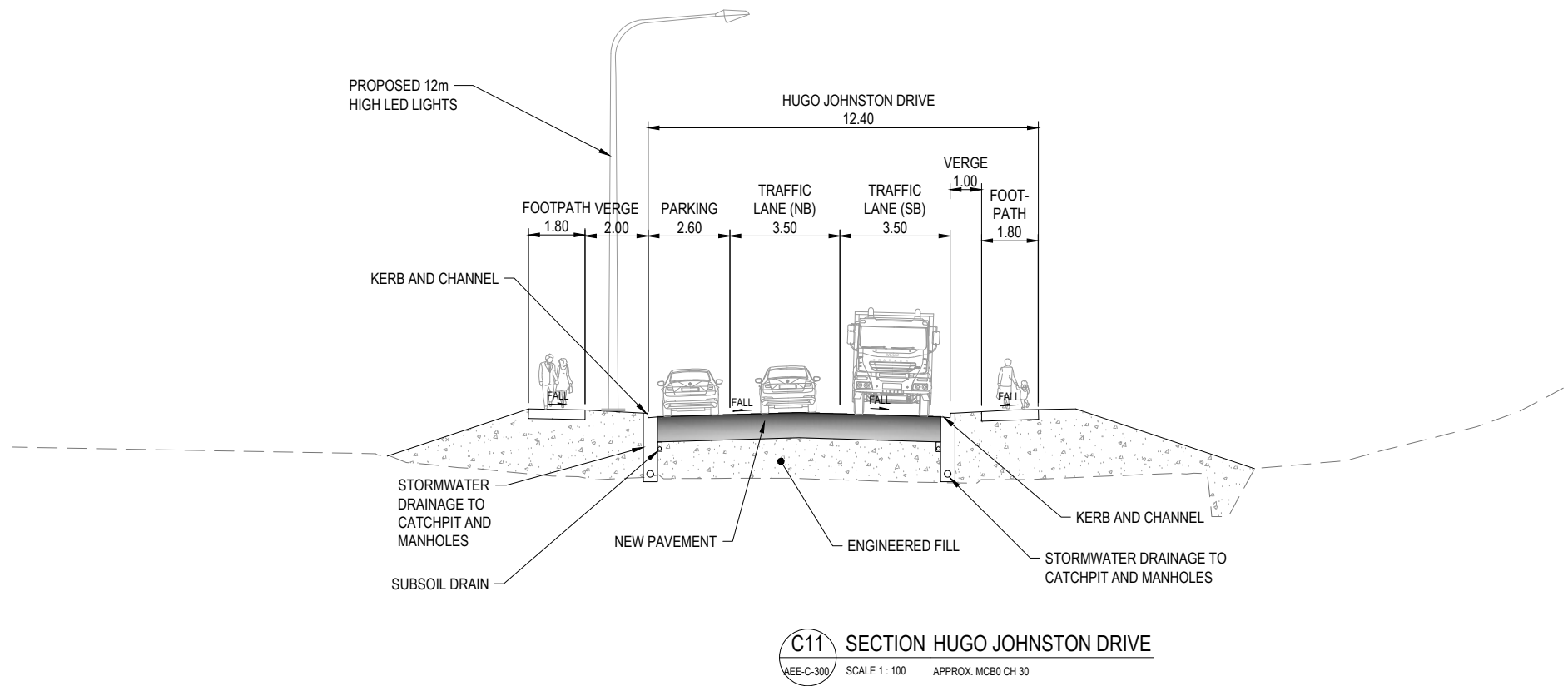


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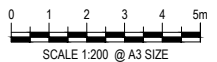
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	RTAN	Design Check	J MURAHIDY		N NANCEKIVELL		J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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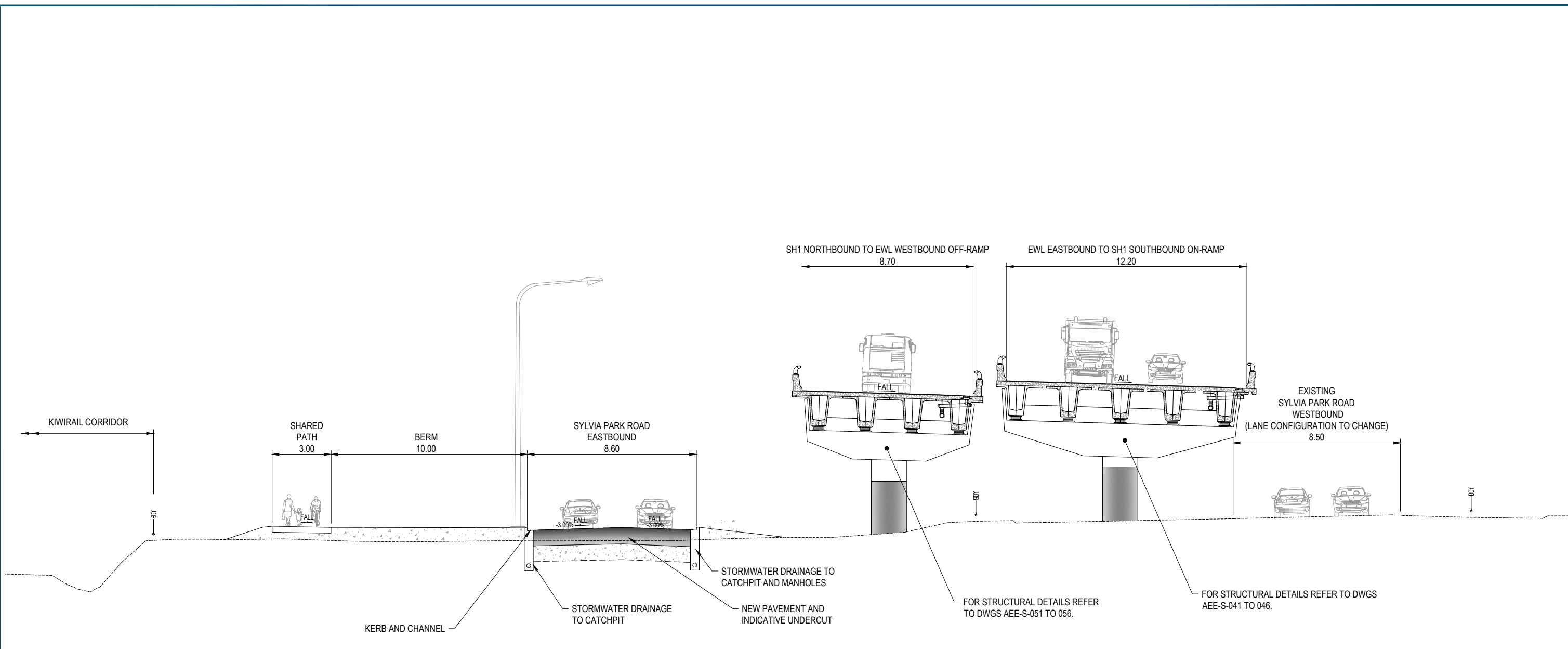
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Designed	RTAN	Design Check	J MURAHIDY	Contract No	PA4014		
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN				

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-300 SCALE 1 : 100 APPROX. MCD0 CH 5765

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



**FOR BOI ISSUE**

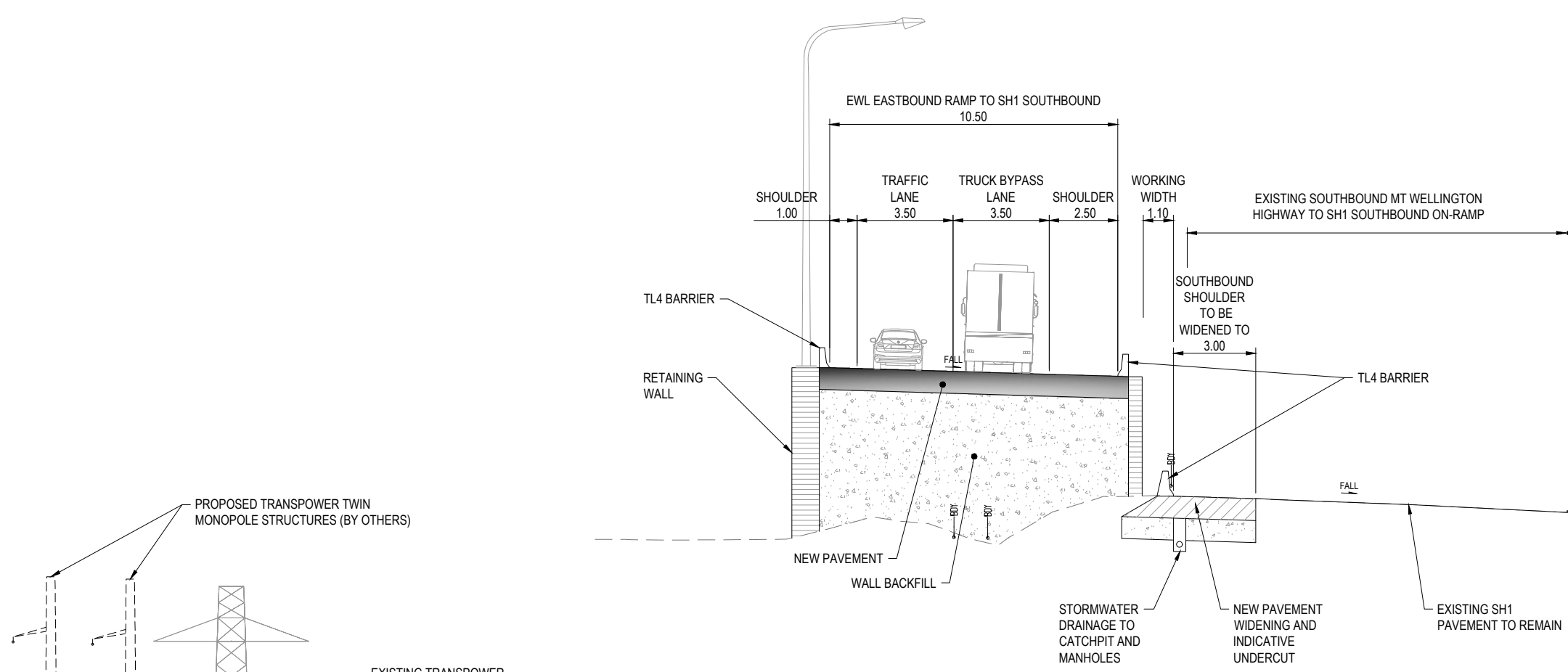
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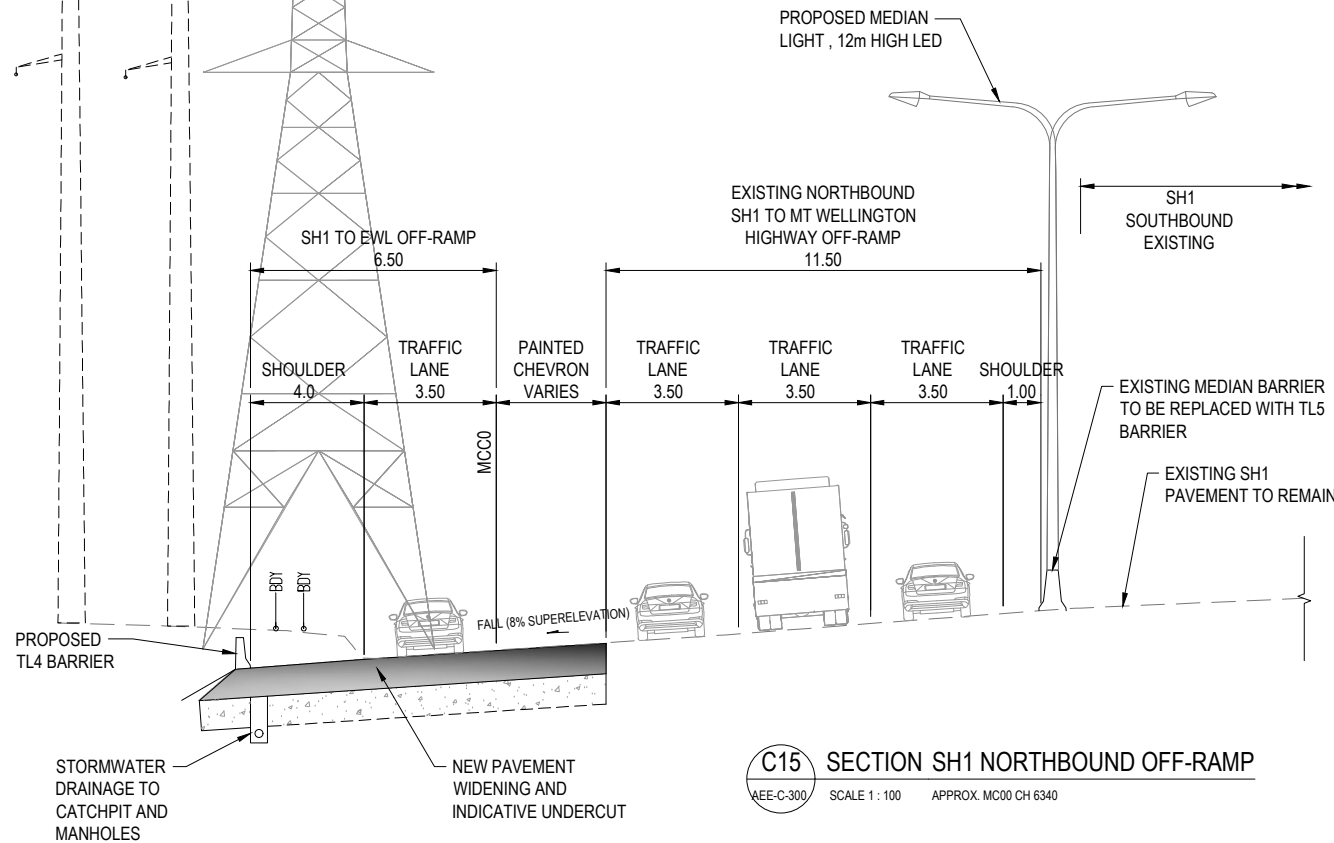


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL 27.06.17	Approved Alliance Manager J CALDWELL 27.06.17
Designed RTAN	Design Check J MURAHIDY	Contract No <b>PA4014</b>	
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	

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



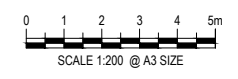
**C14 SECTION SH1 SOUTHBOUND ON-RAMP**  
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 6500



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

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



**FOR BOI ISSUE**

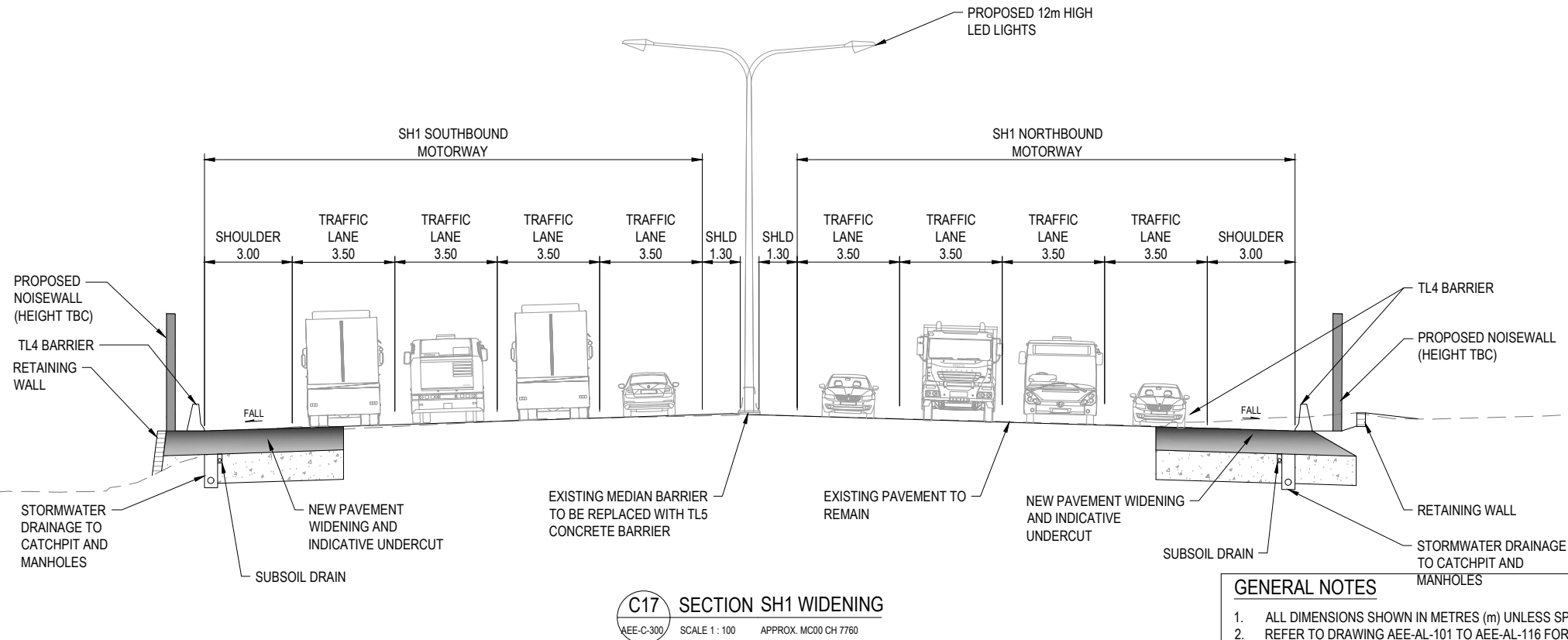
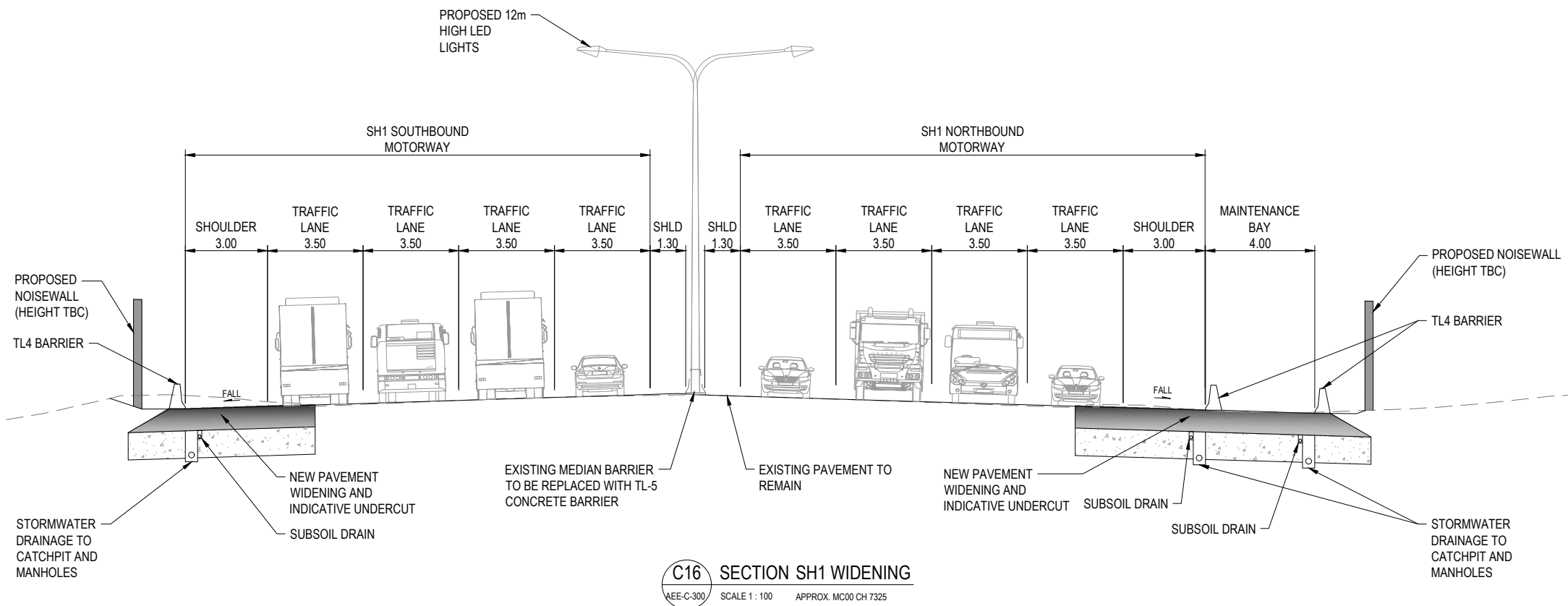
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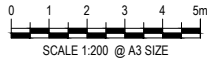
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager J CALDWELL
Designed RTAN	Design Check J MURAHIDY	27.06.17	27.06.17
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No <b>PA4014</b>

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



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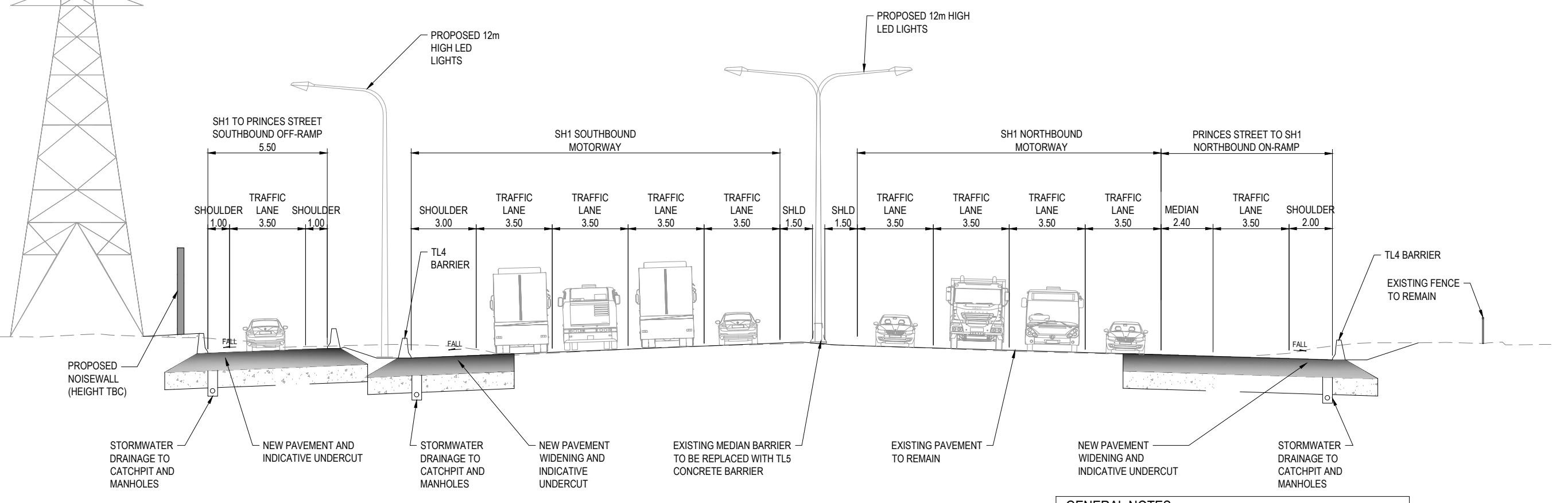
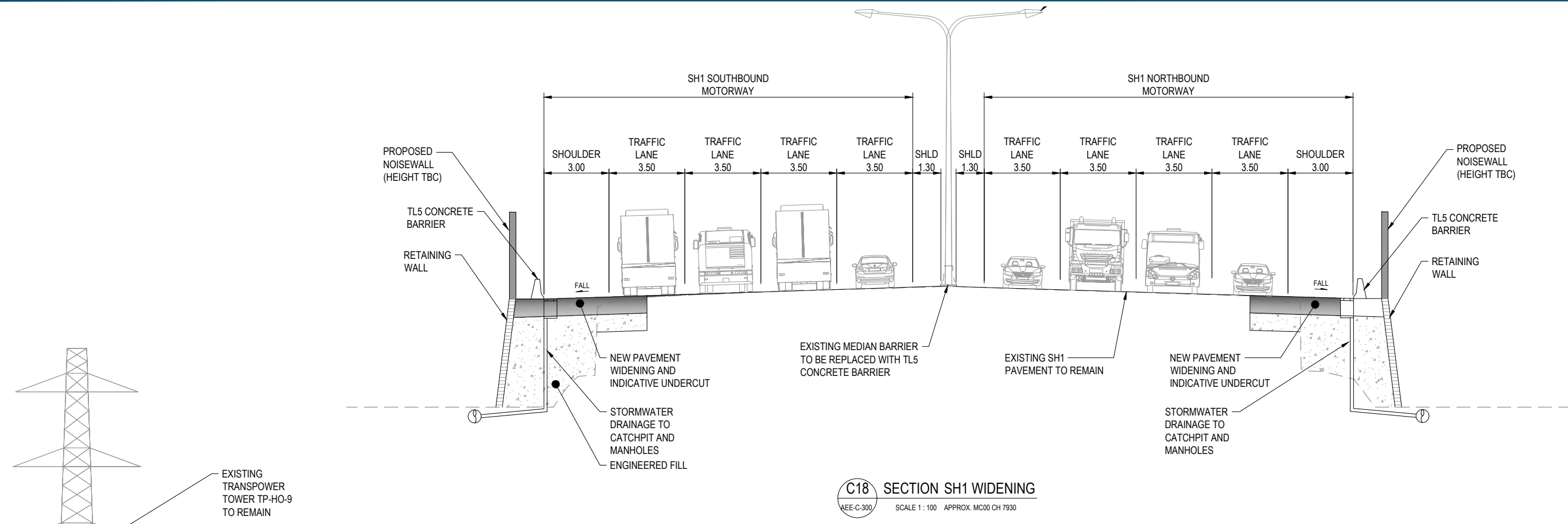
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0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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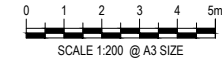
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Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	TYPICAL CROSS SECTION EAST WEST LINK SHEET 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
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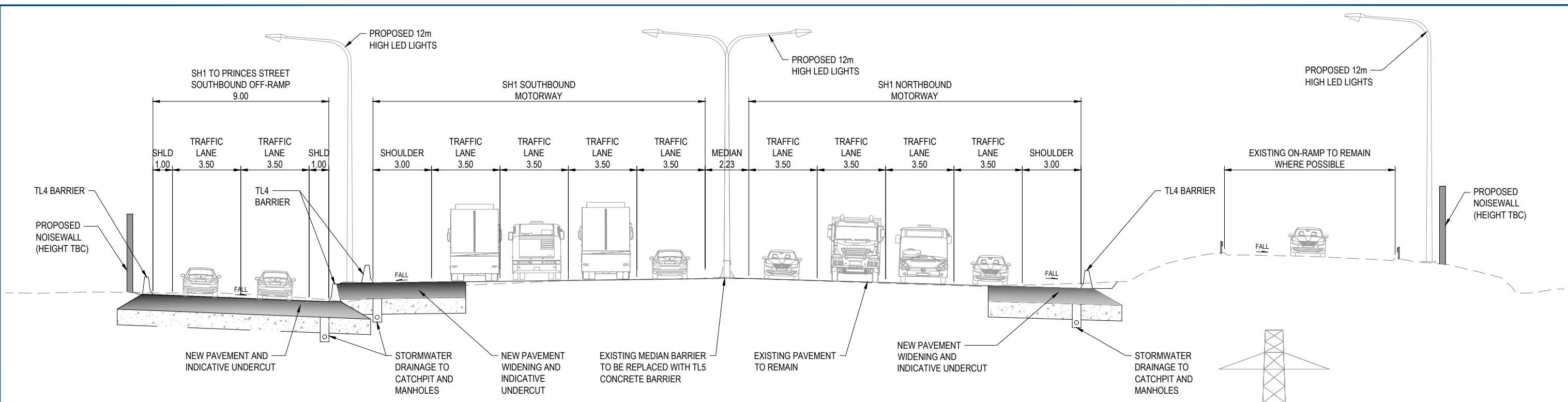
**NZ TRANSPORT AGENCY**  
 WAKA KOTAHĪ

**East West Link**

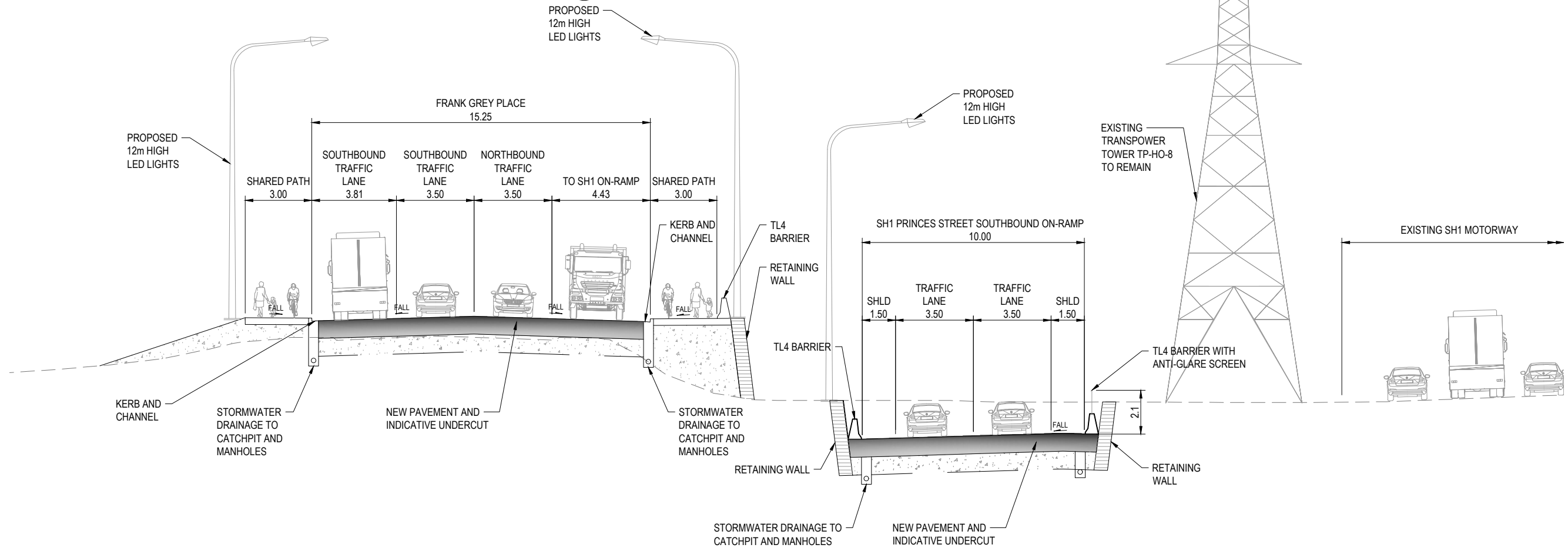
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	R TAN	Design Check	J MURAHIDY		N NANCEKIVELL		J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No.	PA4014		

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

**FOR BOI ISSUE**



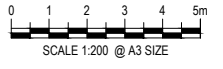
**C20 SECTION SH1 WIDENING**  
 AEE-C-300 SCALE 1:100 APPROX. MC00 CH 8410



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

**GENERAL NOTES**

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



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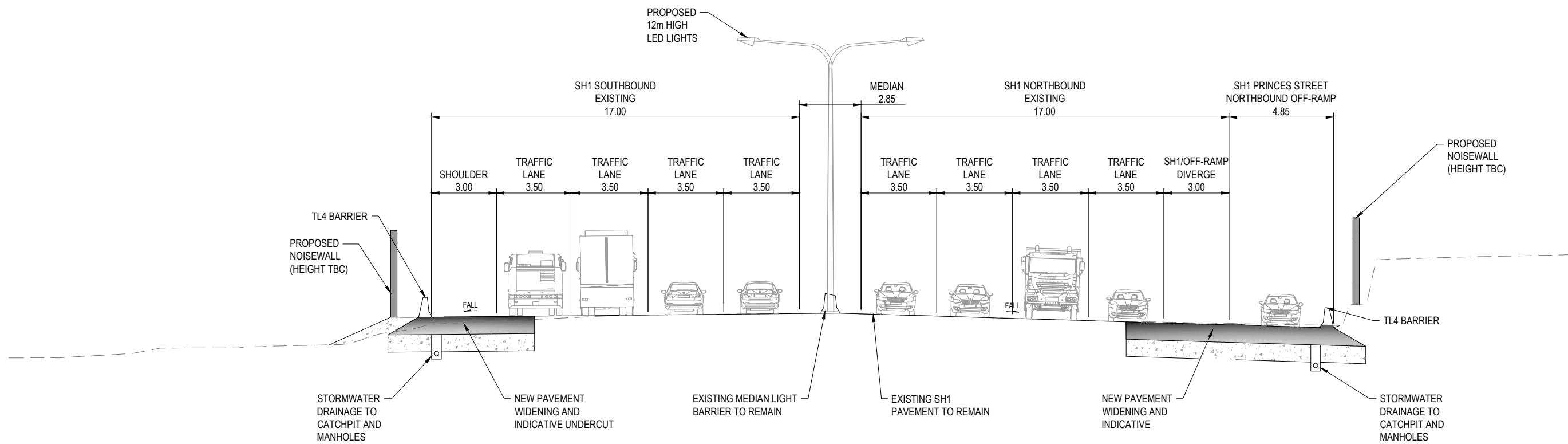
**DISCLAIMER**  
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract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

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

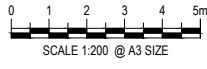
**FOR BOI ISSUE**



**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.



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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

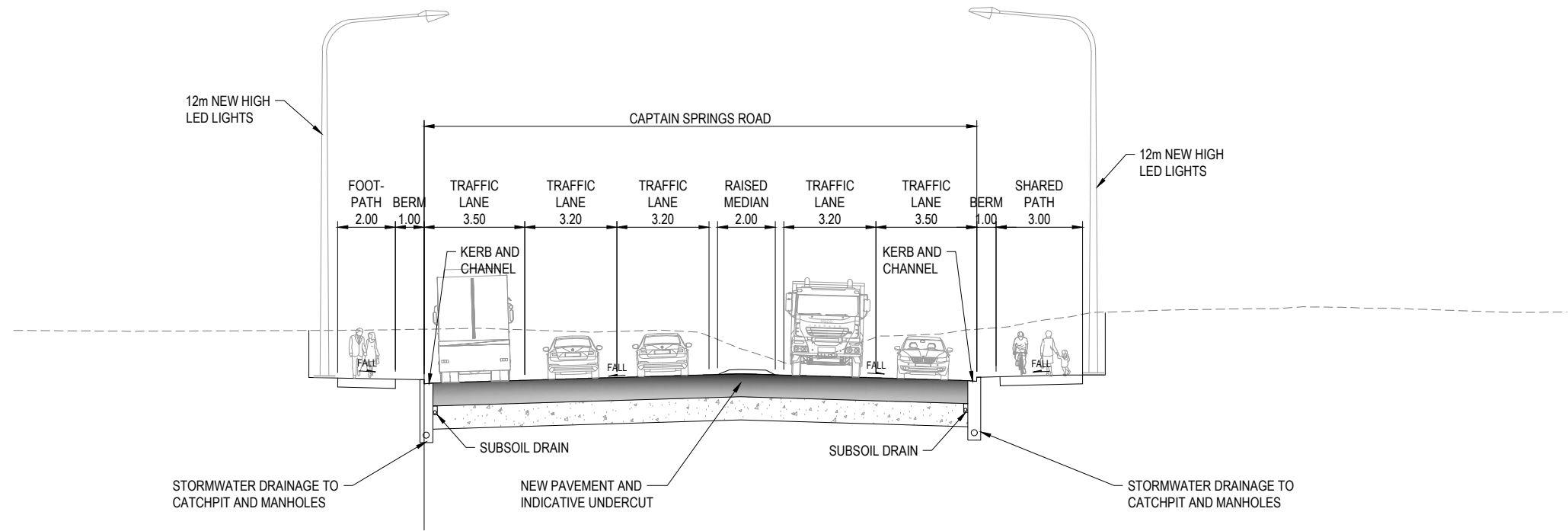
**DISCLAIMER**  
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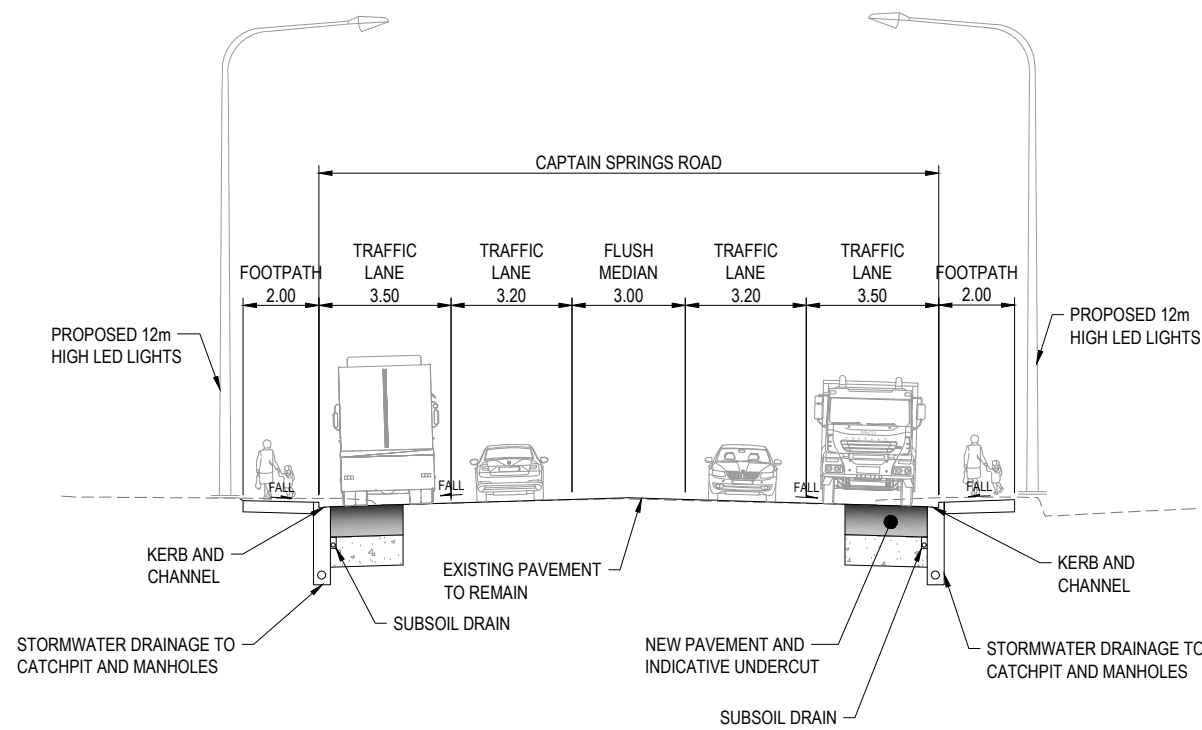
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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





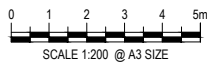
**C23 SECTION CAPTAIN SPRINGS ROAD**  
 AEE-C-300 SCALE 1 : 100 APPROX. MCP0 CH 70



**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**

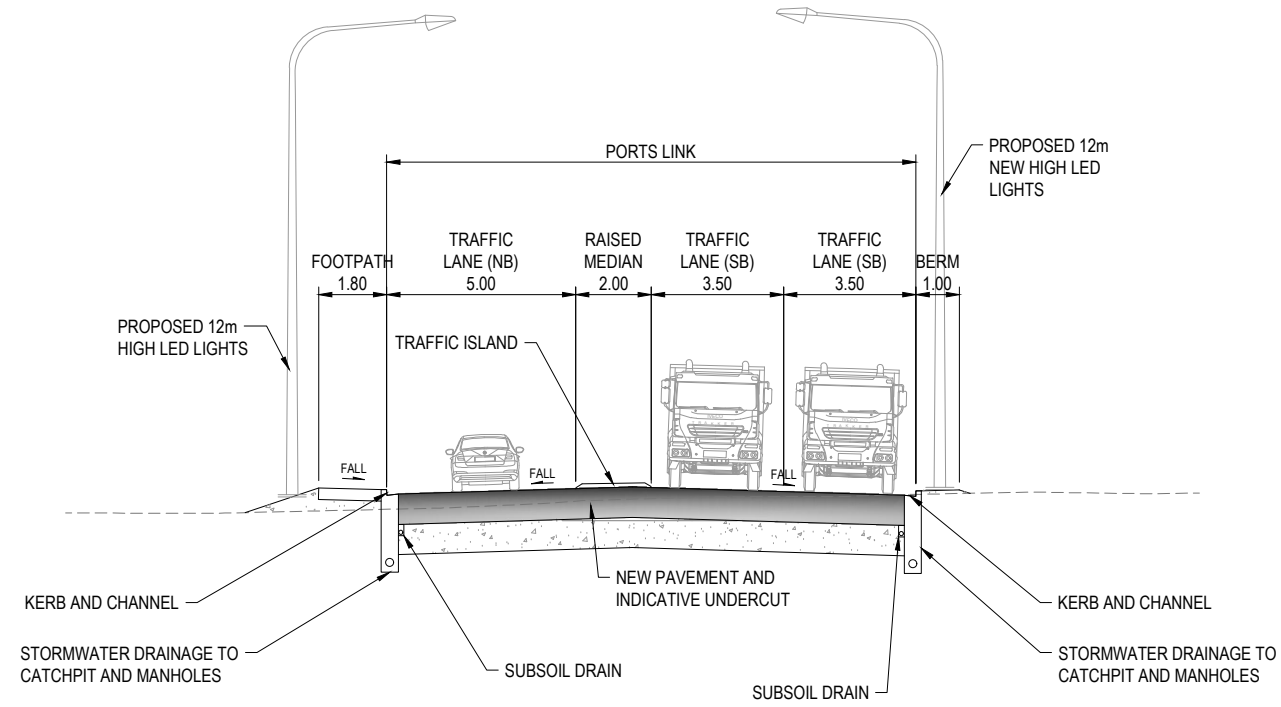
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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
0	ISSUED FOR CONSENT	AR	NN*	PK*	01.12.2016

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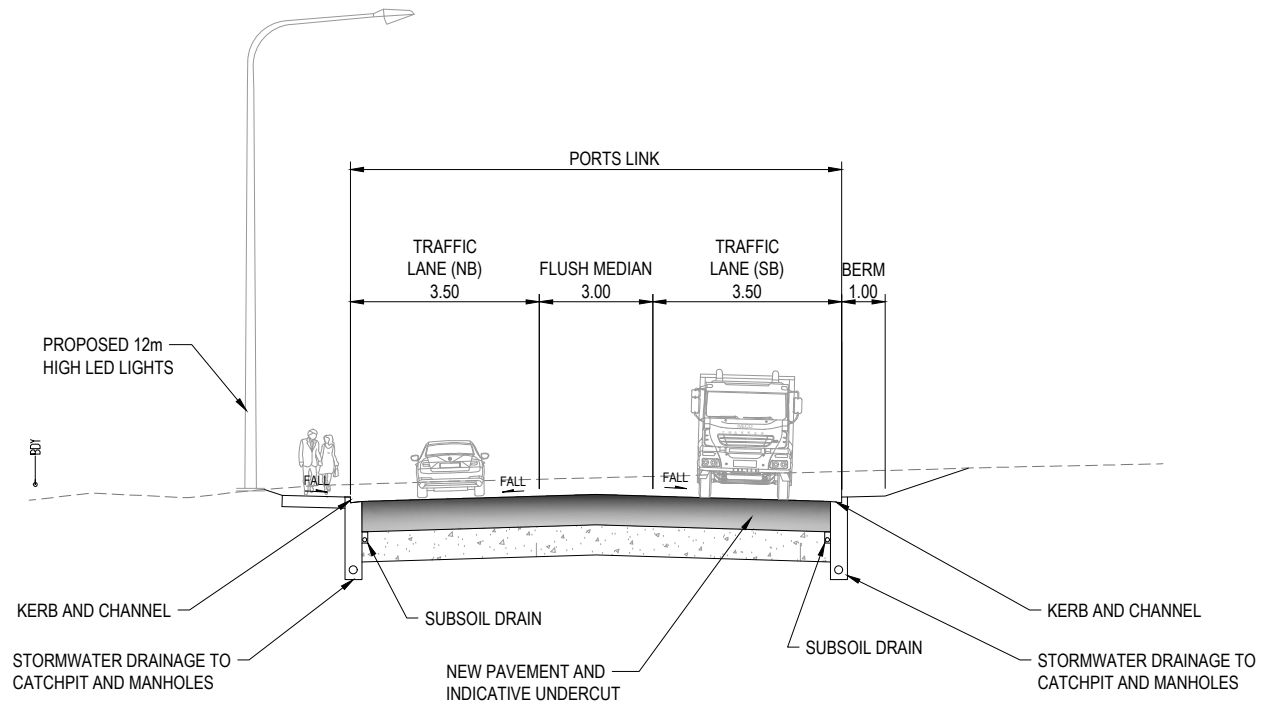


Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

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



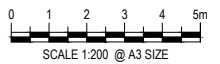
**C25 SECTION PORTS LINK**  
AEE-C-300 SCALE 1:100 APPROX. MCR0 CH 370



**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.



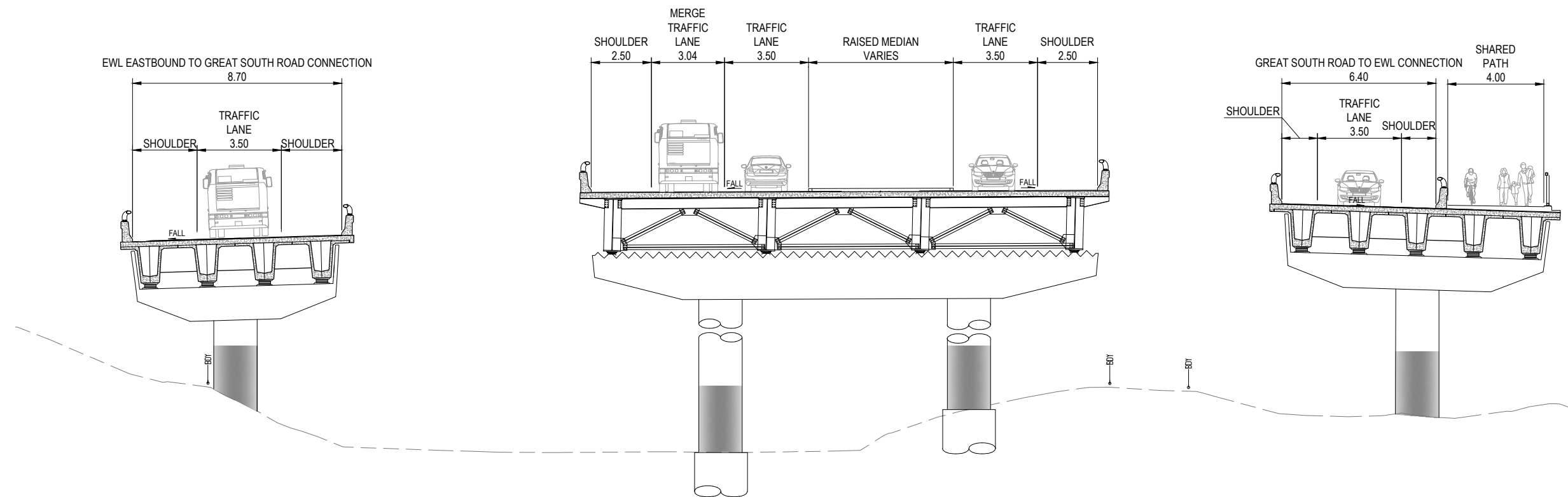
**FOR BOI ISSUE**

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

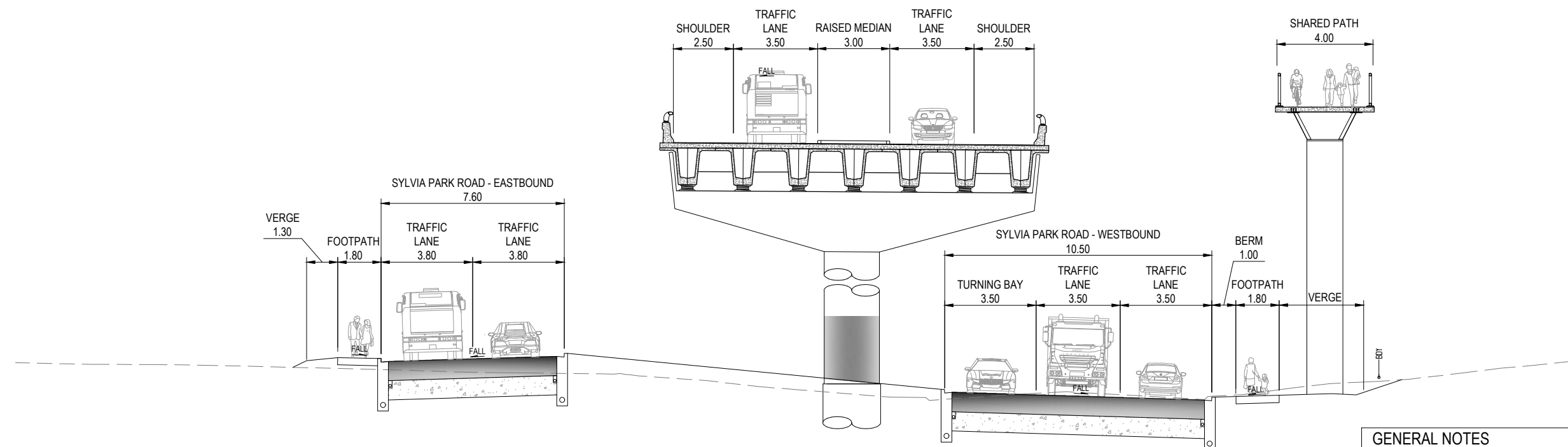
**DISCLAIMER**  
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed Design Manager	N NANCEKIVELL	Approved Alliance Manager	J CALDWELL
Designed	RTAN	Design Check	J MURAHIDY		27.06.17		27.06.17
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract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

Drawing Title	TYPICAL CROSS SECTION 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.



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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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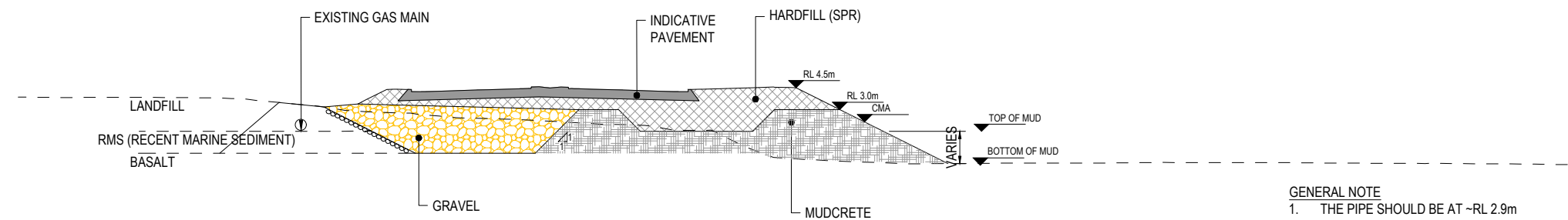
**DISCLAIMER**  
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**East West Link**

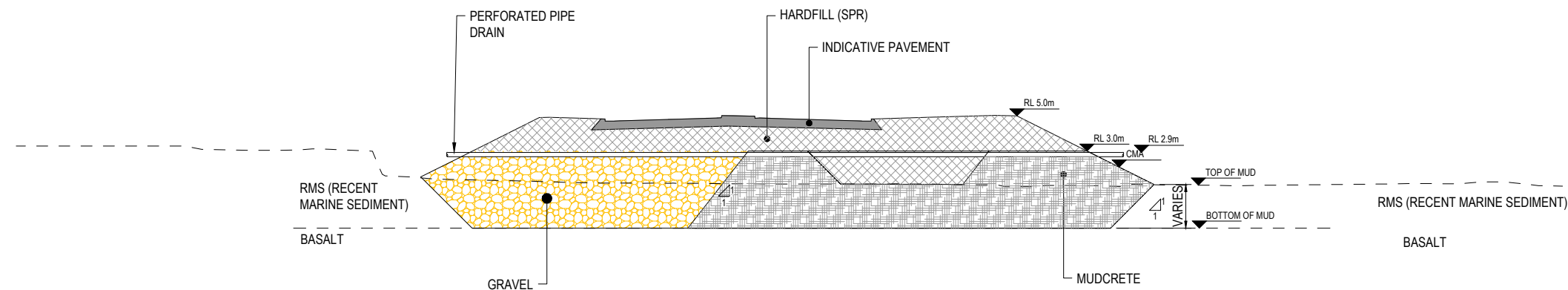
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	RTAN	Design Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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



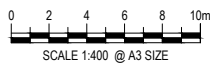
**Q1 SECTION - EMBANKMENT (MC00 CH 1400)**  
C-300 SCALE 1 : 400 (A3)

- 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.



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1	BOARD OF INQUIRY	RT	NN	JC	27.06.2017
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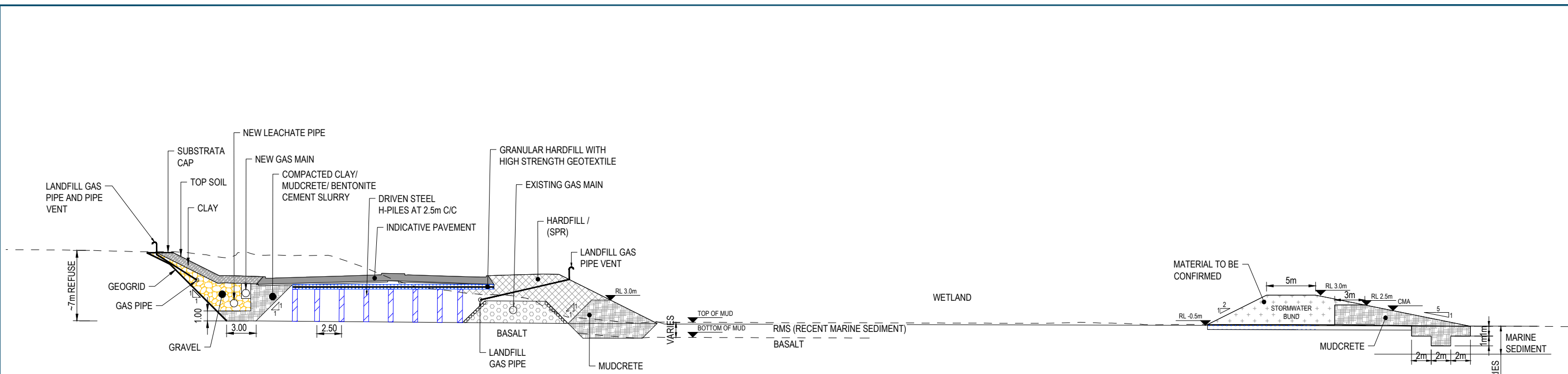
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**East West Link**

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 <b>PA4014</b>

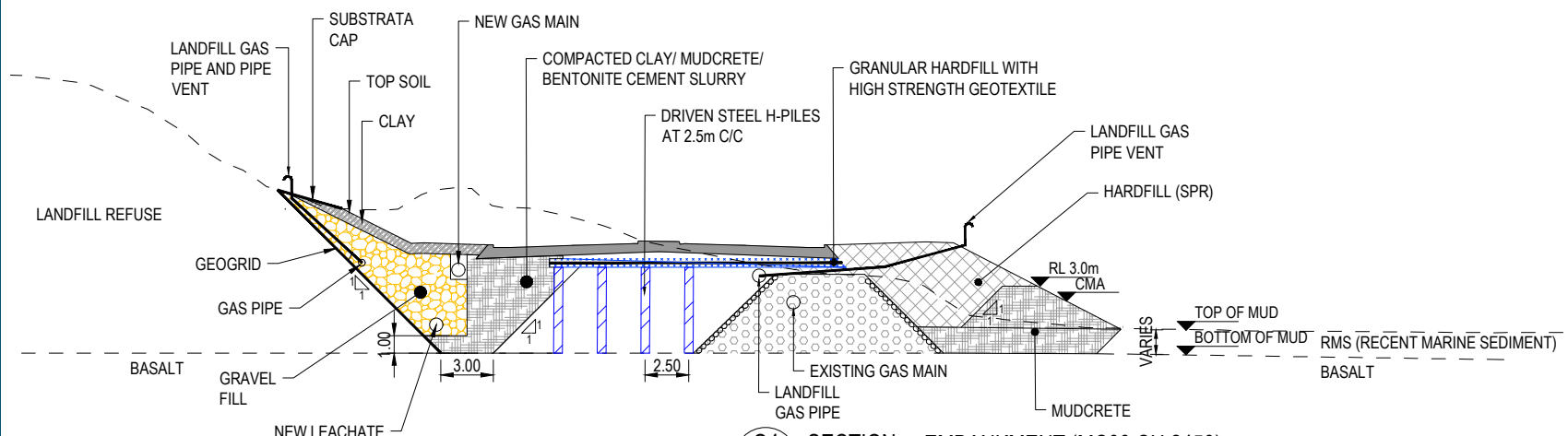
Drawing Title <b>TYPICAL CROSS SECTION EMBANKMENT TYPICAL CROSS SECTION SHEET 01 OF 04</b>	Rev No. <b>1</b>
Drawing Number <b>AEE-C-321</b>	



**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.



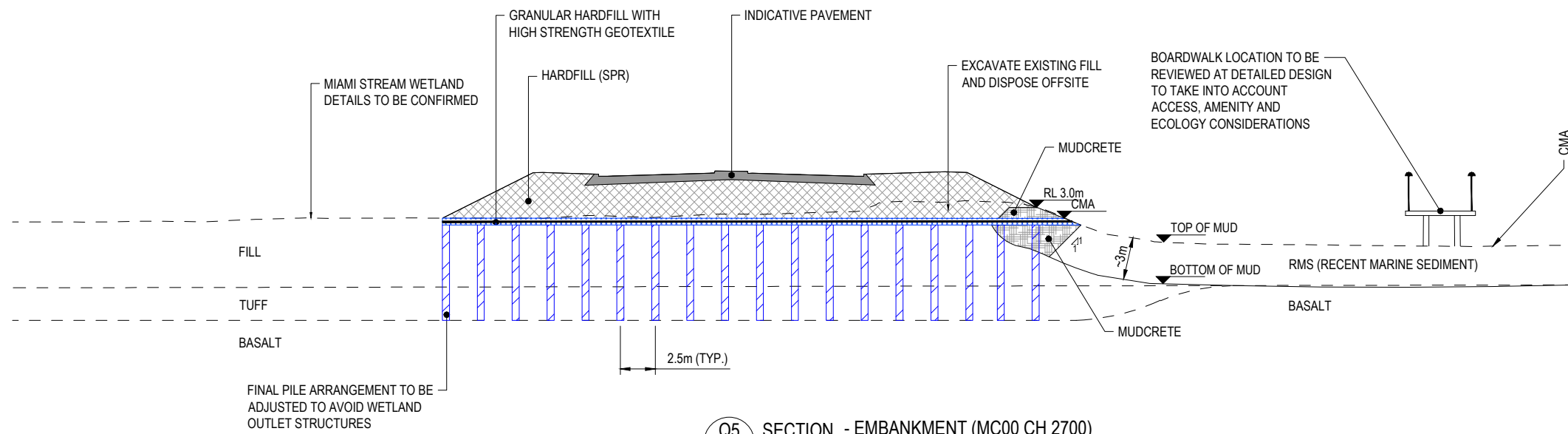
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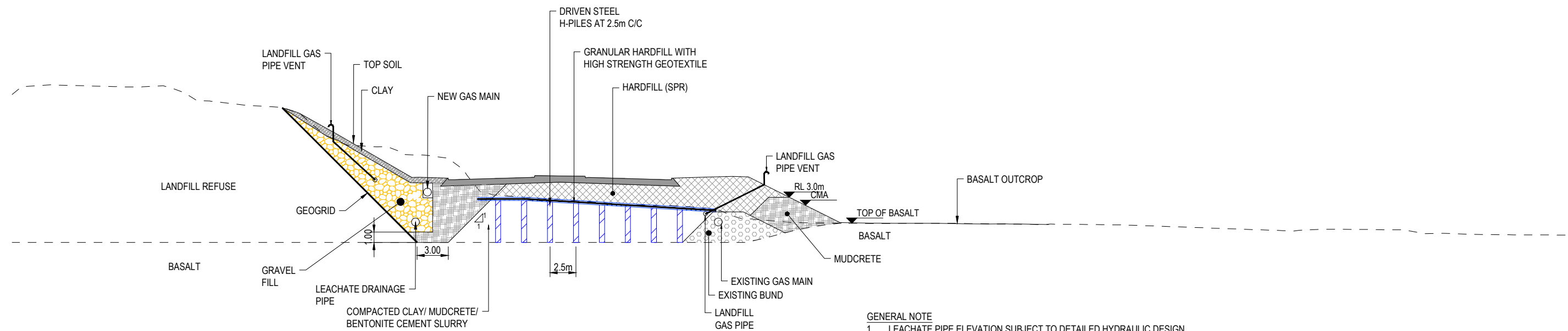
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	Design Manager	Approved	Alliance Manager
Designed	D AVANIDOU	Design Check	J MURAHIDY		N NANCEKIVELL		J CALDWELL
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

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.



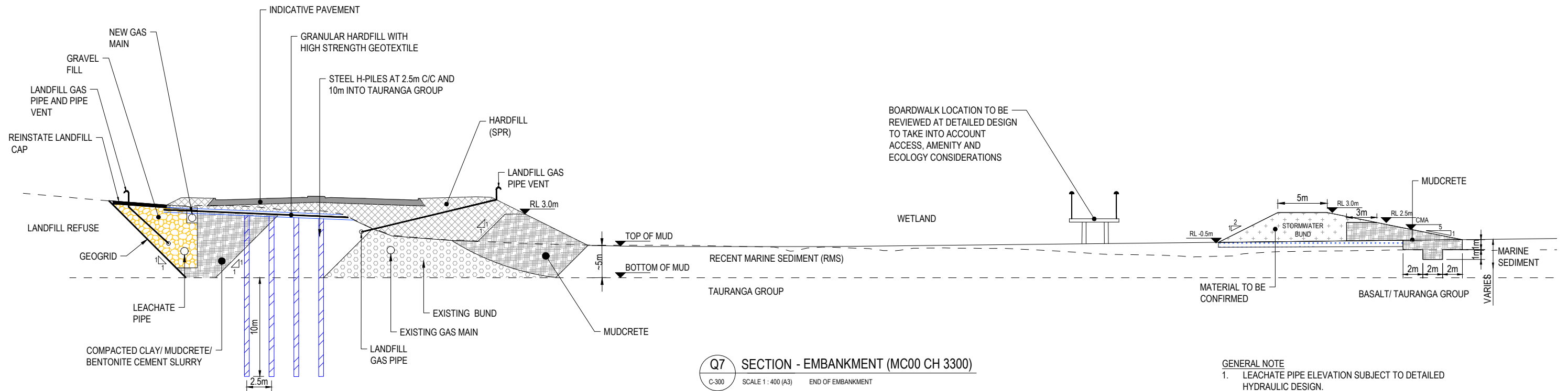
**FOR BOI ISSUE**

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



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No.	Issued Status	Drawn	Check'd	App'd	Date
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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 <b>PA4014</b>

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