

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		
	PLAN SET 7 - TYPICAL CROSS SECTION					
AEE-C-002	ROAD ALIGNMENT - TYPICAL CROSS SECTION - DRAWING INDEX	1	0	1		
AEE-C-300	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SECTION MARKER	1	0	1		
AEE-C-301	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 1	0	0			
AEE-C-302	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 2	0	0			
AEE-C-303	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 3	0	0			
AEE-C-304	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 4	0	0			
AEE-C-305	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 5	0	0			
AEE-C-306	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 6	0	0			
AEE-C-307	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 7	0	0			
AEE-C-308	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 8	0	0			
AEE-C-309	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 9	0	0			
AEE-C-310	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 10	0	0			
AEE-C-311	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 11	0	0			
AEE-C-312	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 12	0	0			
AEE-C-313	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 13	0	0			
AEE-C-314	ROAD ALIGNMENT - TYPICAL CROSS SECTION - SHEET 14	0	0			
AEE-C-315	ROAD ALIGNMENT - TYPICAL CROSS SECTION - CAPTAIN SPRINGS ROAD - SHEET 15	0	0			
AEE-C-316	ROAD ALIGNMENT - TYPICAL CROSS SECTION - PORTS LINK - SHEET 16	0	0			
AEE-C-317	ROAD ALIGNMENT - TYPICAL CROSS SECTION - GREAT SOUTH ROAD INTERSECTION - SHEET 17	0	0			
AEE-C-321	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 1	0	0			
AEE-C-322	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 2	0	0			
AEE-C-323	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 3	0	0			
AEE-C-324	GEOTECHNICAL - EMBANKMENT TYPICAL CROSS SECTION - SHEET 4	0	0			

FOR CONSENT

No.	Issued Status	Drawn	Check'd	App'd	Date
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14/12/2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

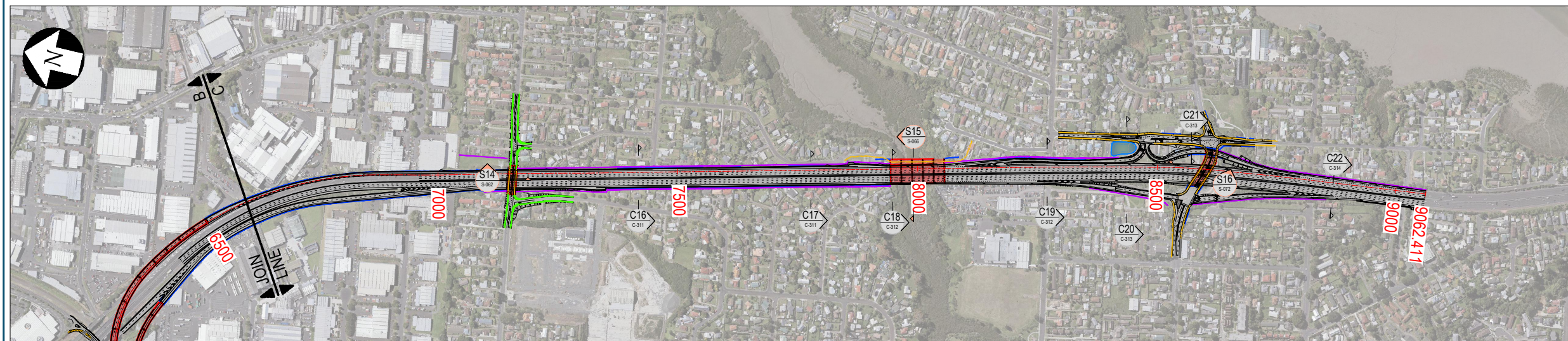
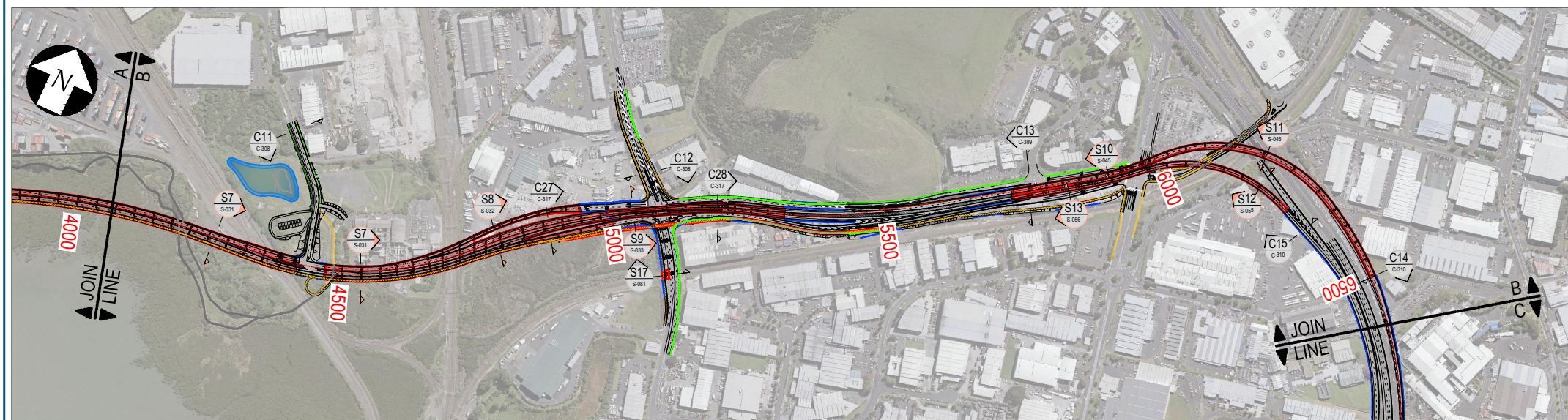
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East West Link

Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed A RAM	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)		Reduced Scale (A3)	AS SHOWN
Contract No			PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION DRAWING INDEX	Rev No. 1
Drawing Number AEE-C-002	



FOR CONSENT

No.	Issued Status	Drawn	Check'd	App'd	Date
1	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14/12/2016
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

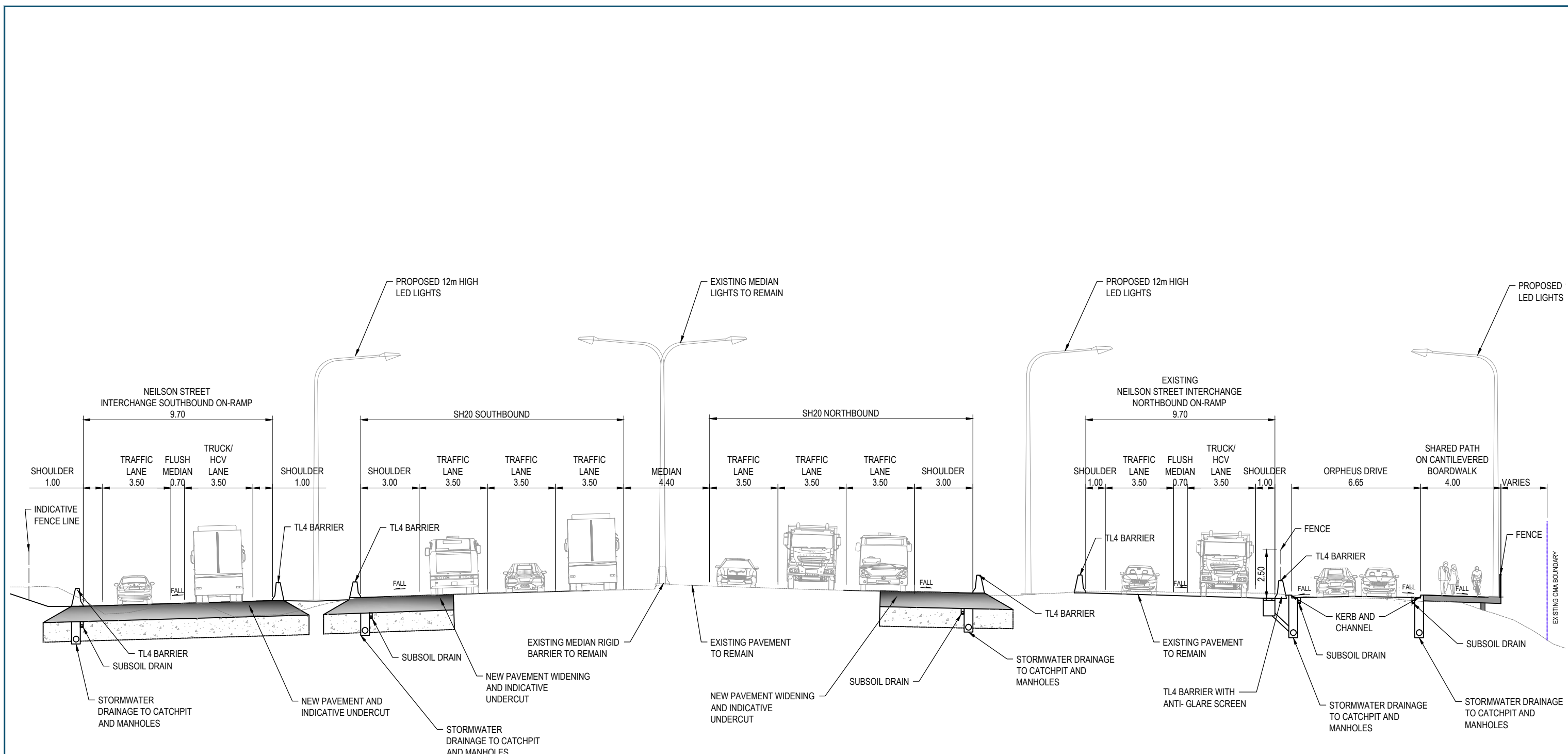
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Designed	R TAN	Design Check	J MURAHIDY	Design Manager	1/12/16	Alliance Manager	1/12/16
Scale:	Original Scale (A1)	Reduced Scale (A3)	NOT TO SCALE	Contract No		PA4014	

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SECTION MARKER		
Drawing Number	AEE-C-300		
Rev No.	1		



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.



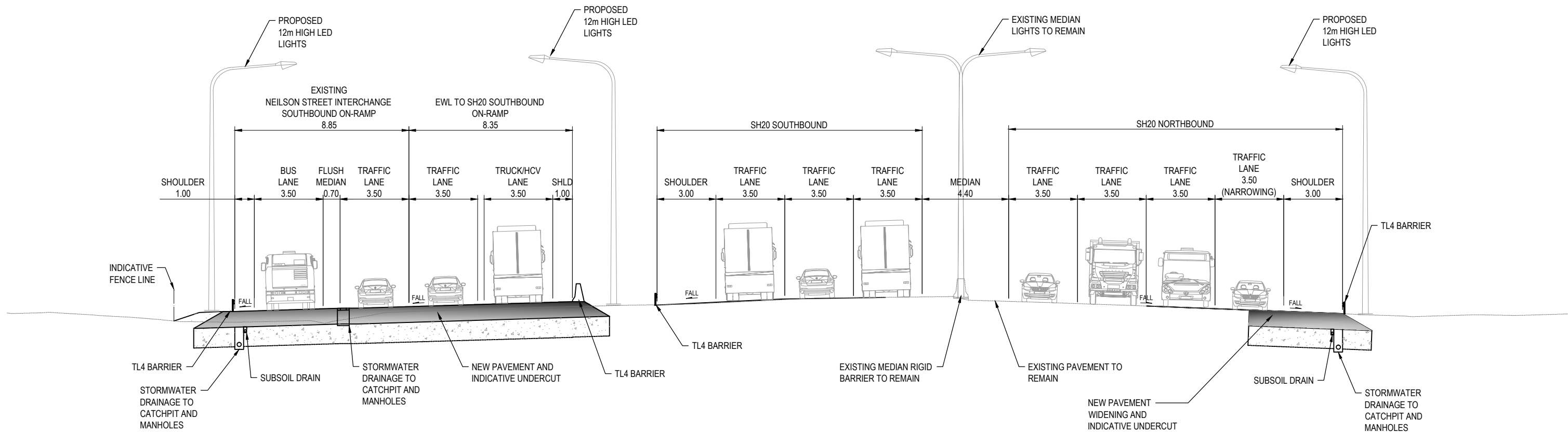
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0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

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Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 1	Rev No. 0
Drawing Number AEE-C-301	



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

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



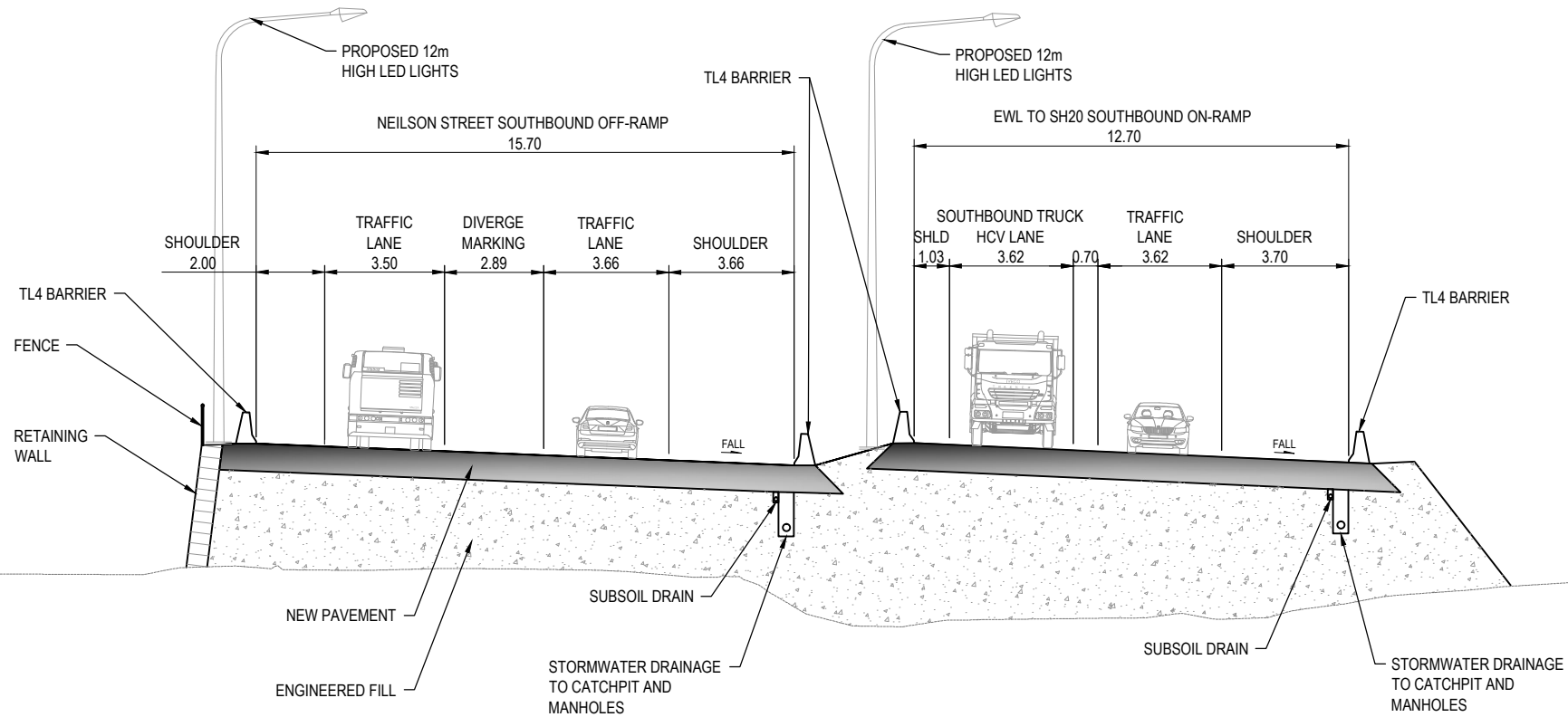
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

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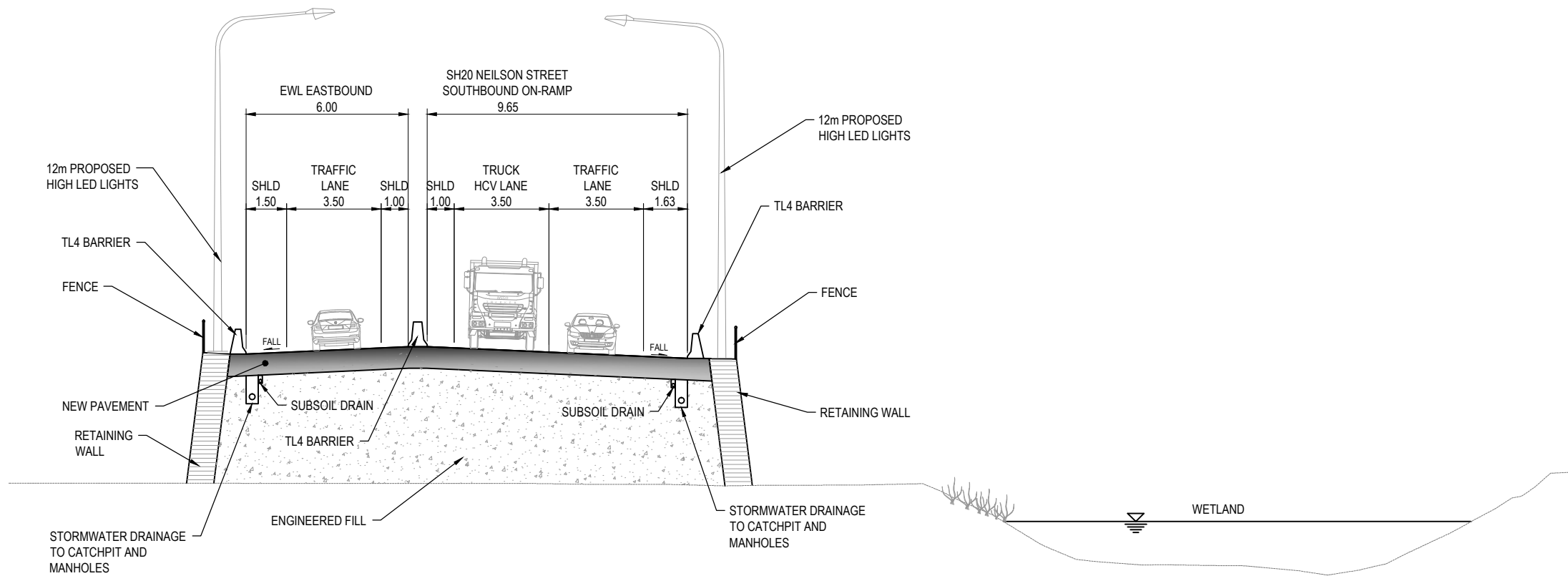


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 2	Rev No. 0
Drawing Number AEE-C-302	



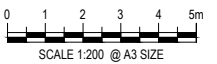
C3 SECTION SH20 NEILSON STREET SOUTHBOUND OFF-RAMP
 AEE-C-300 SCALE 1:100 APPROX. MCD0 CH 215



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

GENERAL NOTES

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



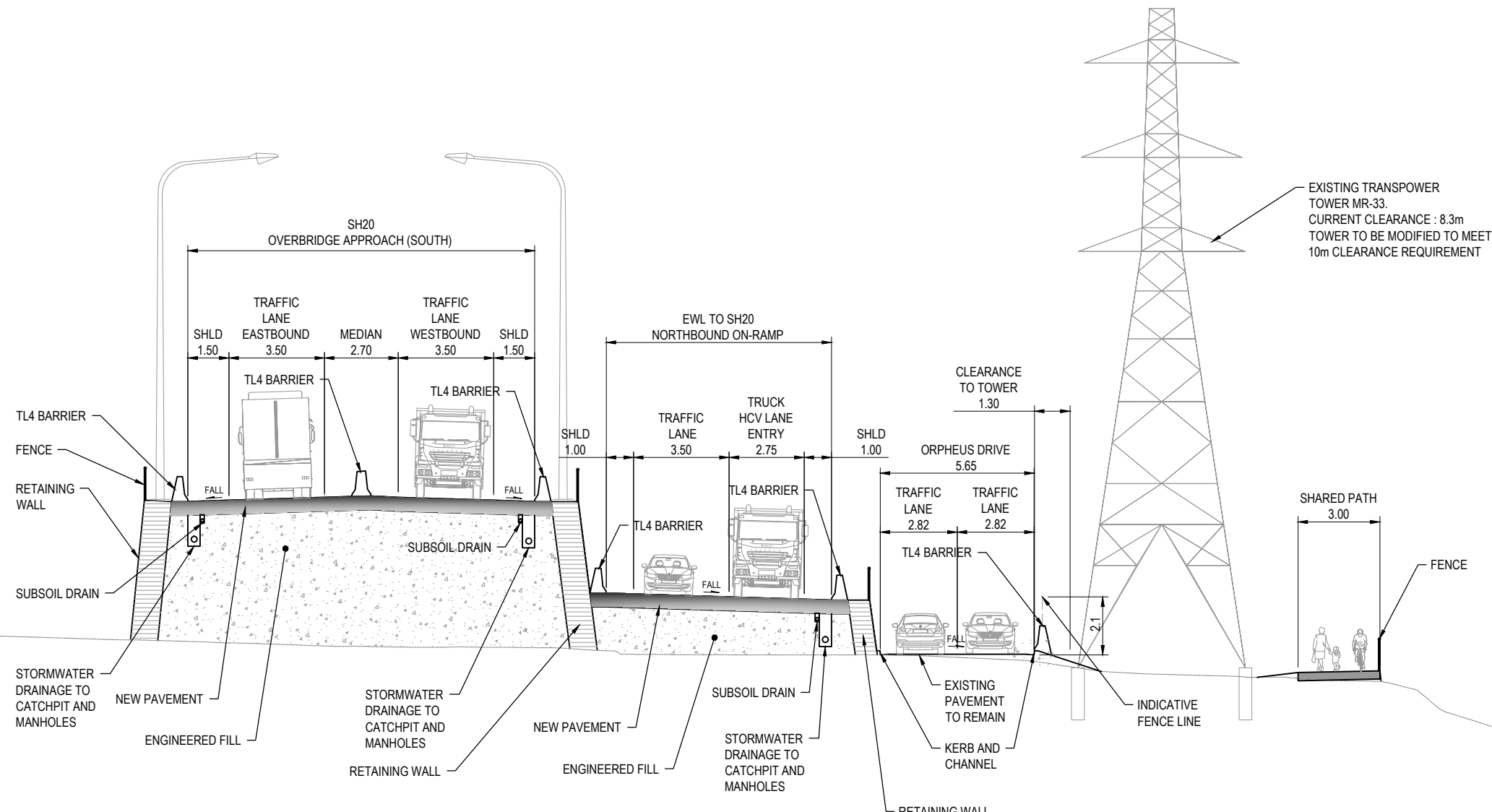
No.	Issued Status	Drawn	Check'd	App'd	Date
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Designed	R TAN	Design Check	J MURAHIDY		N NANCEKIVELL		P KELLY
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 3	
Drawing Number	AEE-C-303	
Rev No.	0	

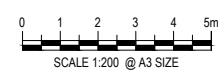


EXISTING TRANSPOWER TOWER MR-33. CURRENT CLEARANCE : 8.3m TOWER TO BE MODIFIED TO MEET 10m CLEARANCE REQUIREMENT

C5 SECTION NEILSON STREET OVERBRIDGE APPROACH EMBANKMENT (SOUTH)
AEE-C-300 SCALE 1 : 100 APPROX. M000 CH 330

GENERAL NOTES

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



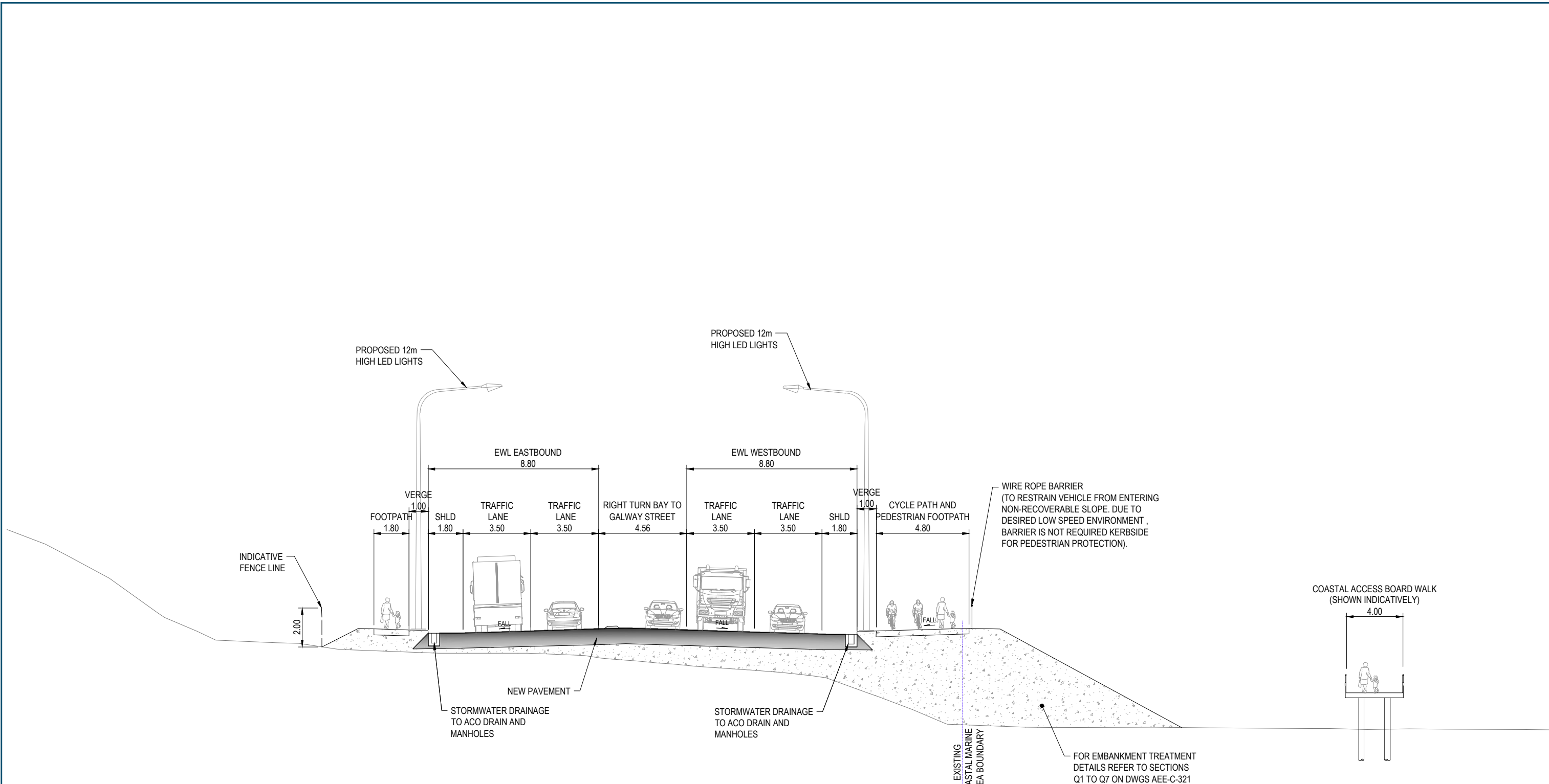
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

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Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 4	Drawing Number AEE-C-304	Rev No. 0
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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.

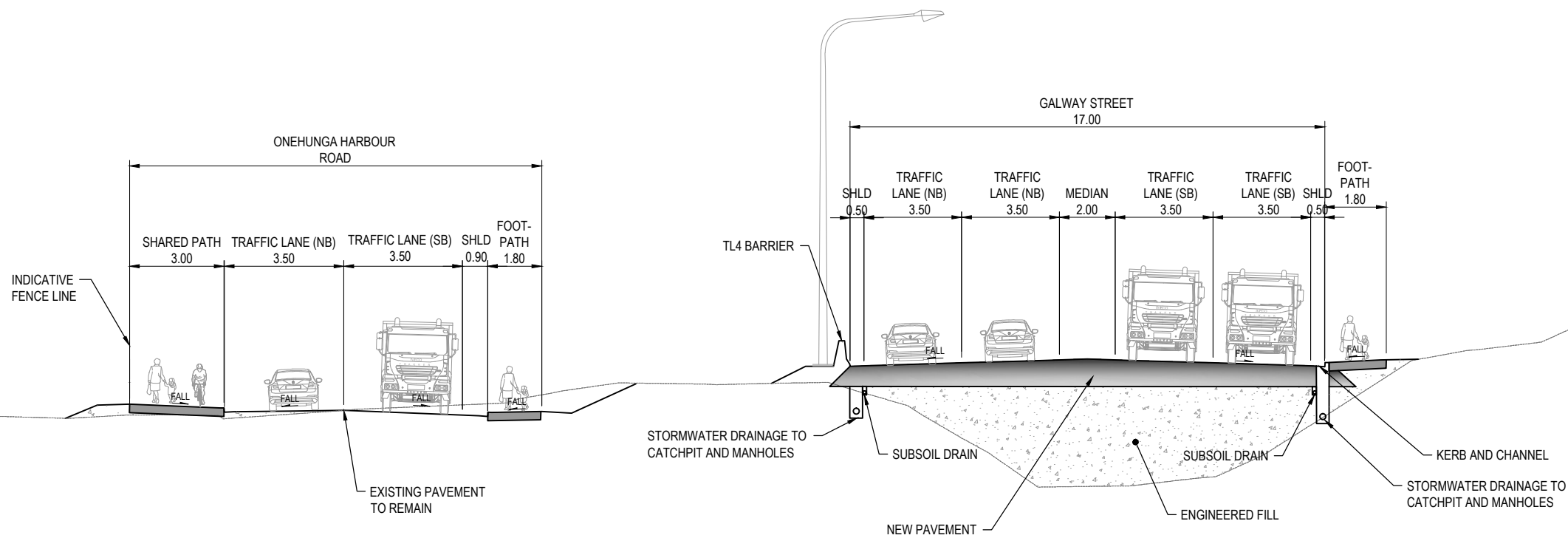


No.	Issued Status	Drawn	Check'd	App'd	Date
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Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 5	Rev No. 0
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.



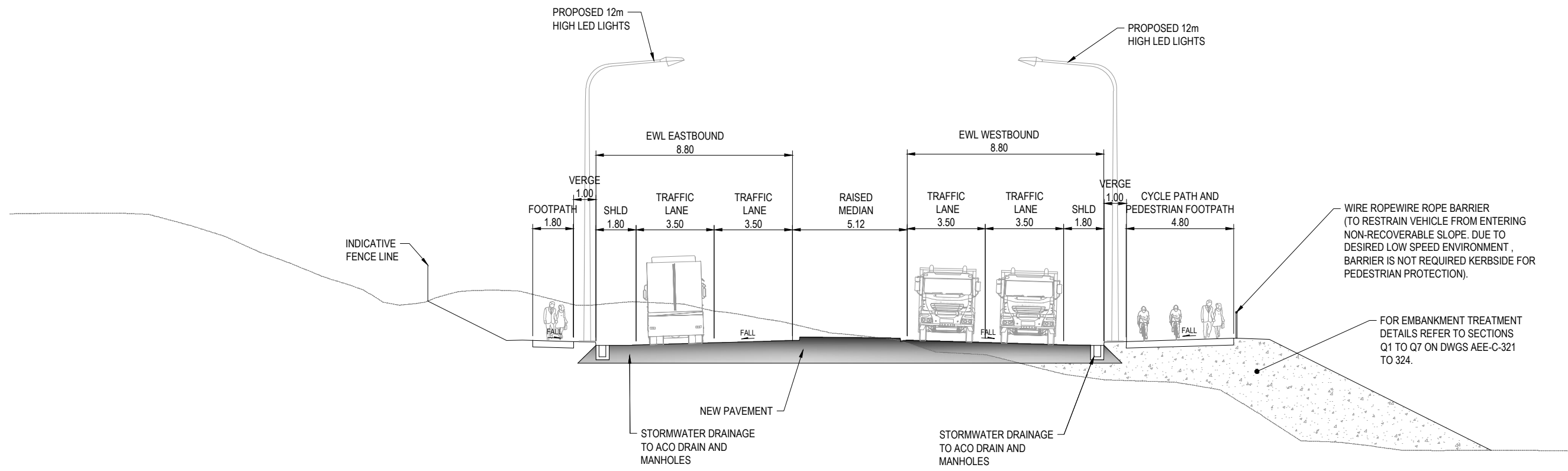
No.	Issued Status	Drawn	Check'd	App'd	Date
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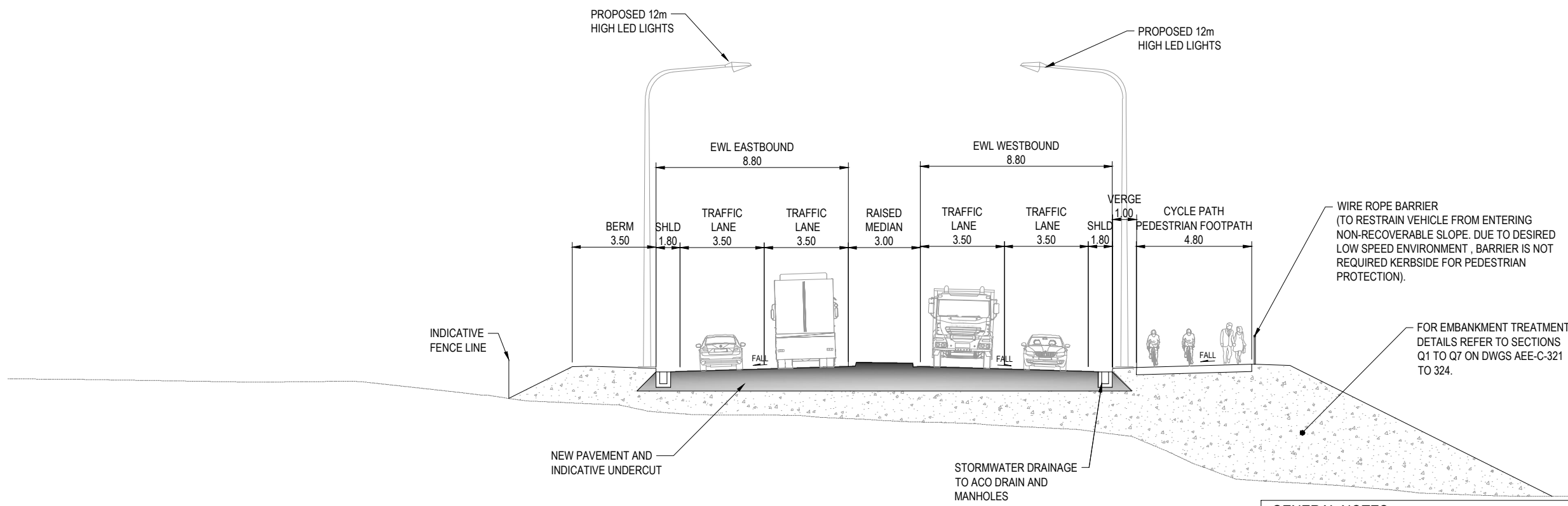


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 6	Rev No. 0
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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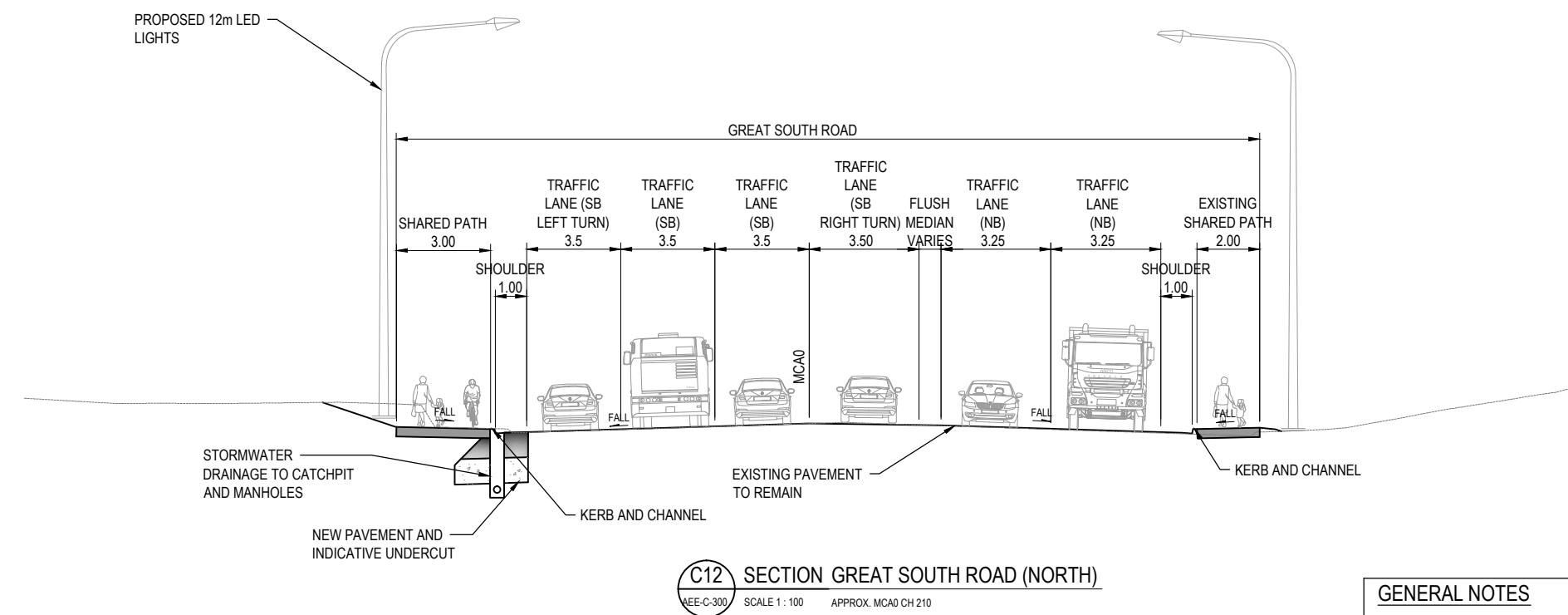
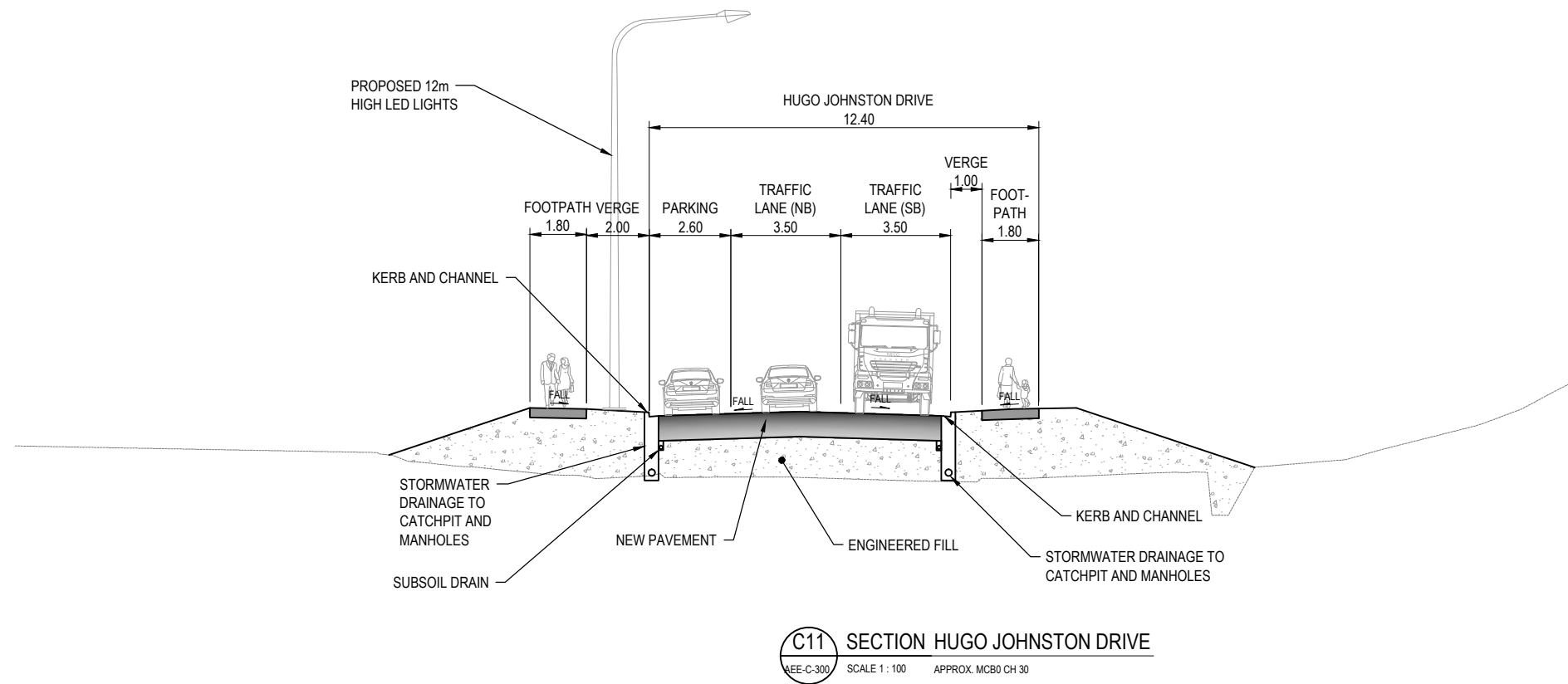


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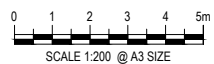
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	R TAN	Design Check	J MURAHIDY	Design Manager	N NANCEKIVELL	Alliance Manager	P KELLY
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 7	
Drawing Number	AEE-C-307	
Rev No.	0	



GENERAL NOTES

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

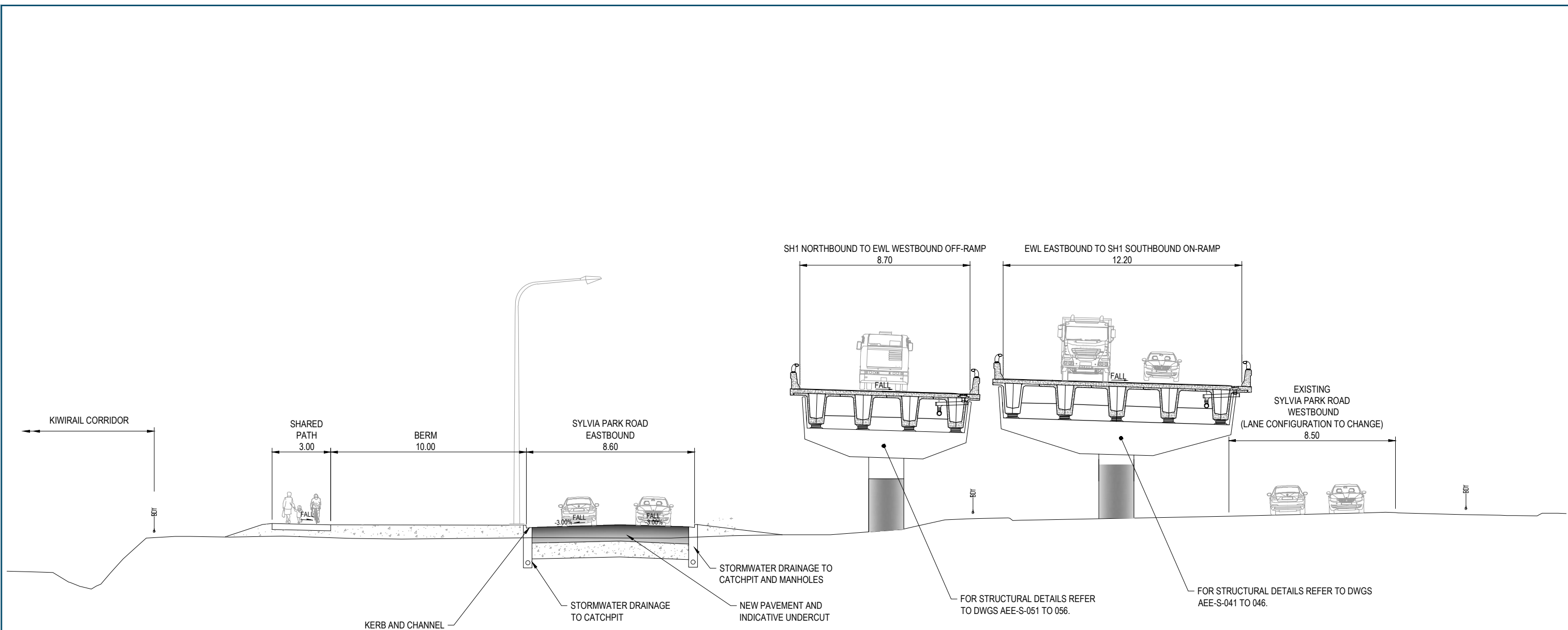


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Designed	R TAN	Design Check	J MURAHIDY	Design Manager	1/12/16	Alliance Manager	1/12/16
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 8		
Drawing Number	AEE-C-308		
Rev No.	0		



C13 SECTION SYLVIA PARK ROAD
 AEE-C-309 SCALE 1:100 APPROX. MC00 CH 5765

- 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.



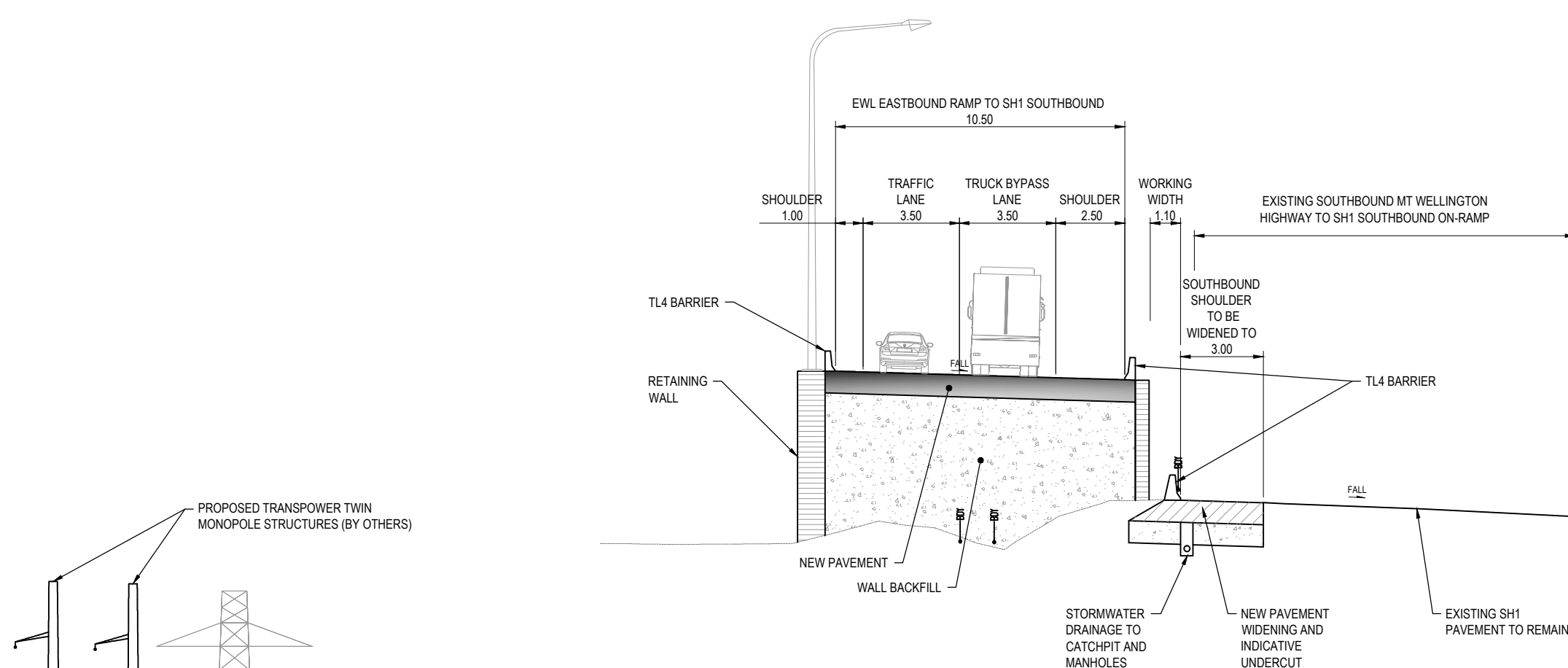
No.	Issued Status	Drawn	Check'd	App'd	Date
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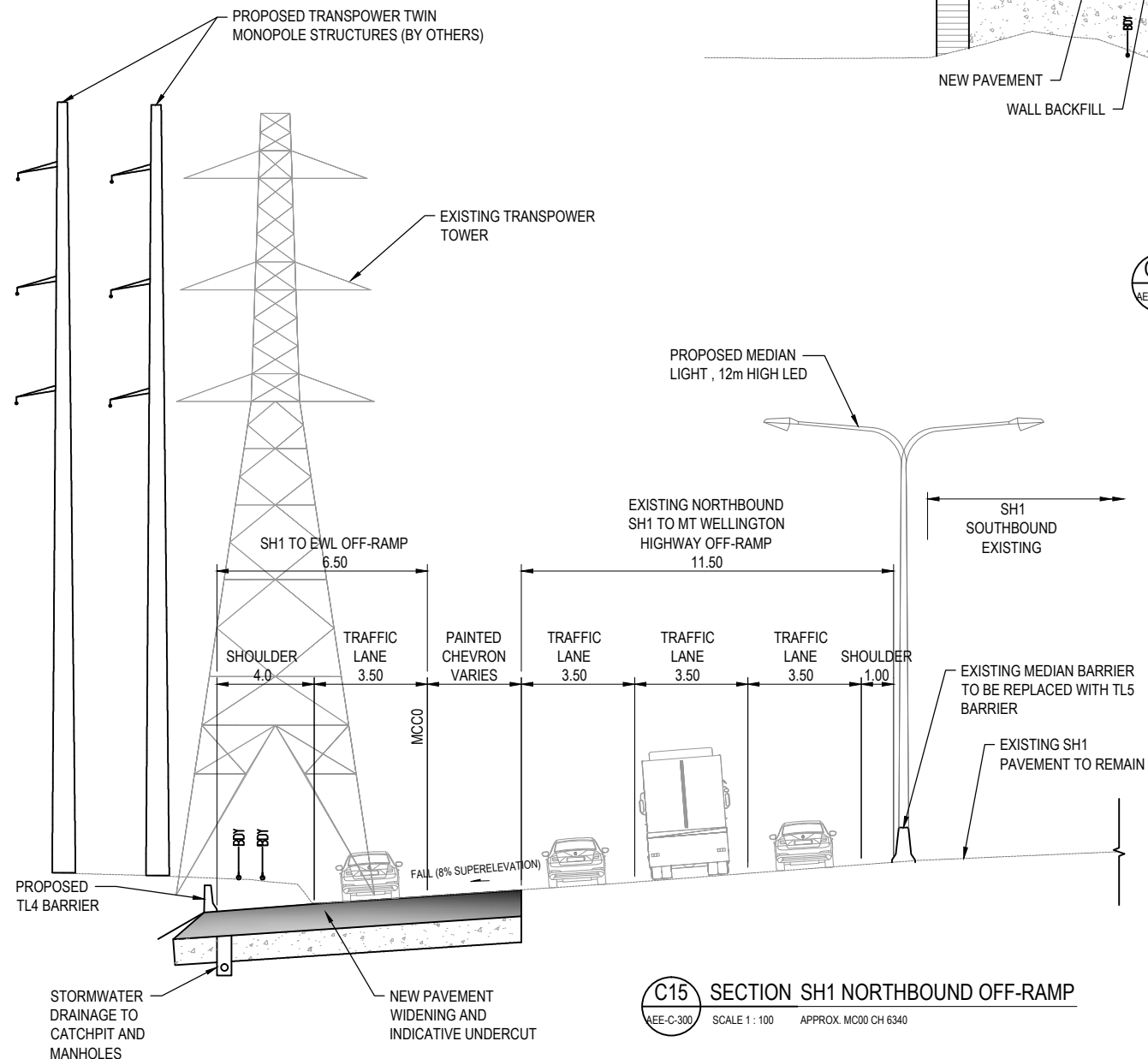


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 9	Rev No. 0
Drawing Number AEE-C-309	



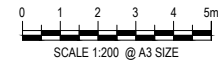
C14 SECTION SH1 SOUTHBOUND ON-RAMP
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 CH 6500



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

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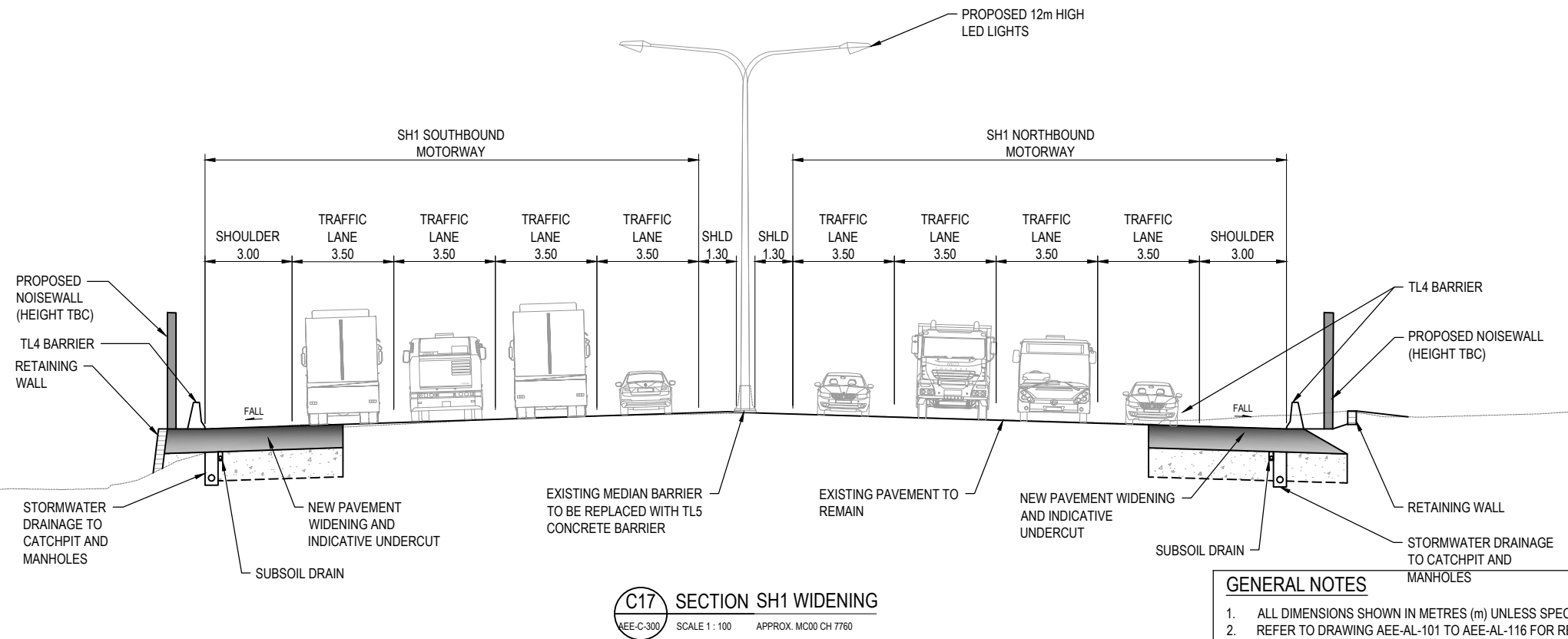
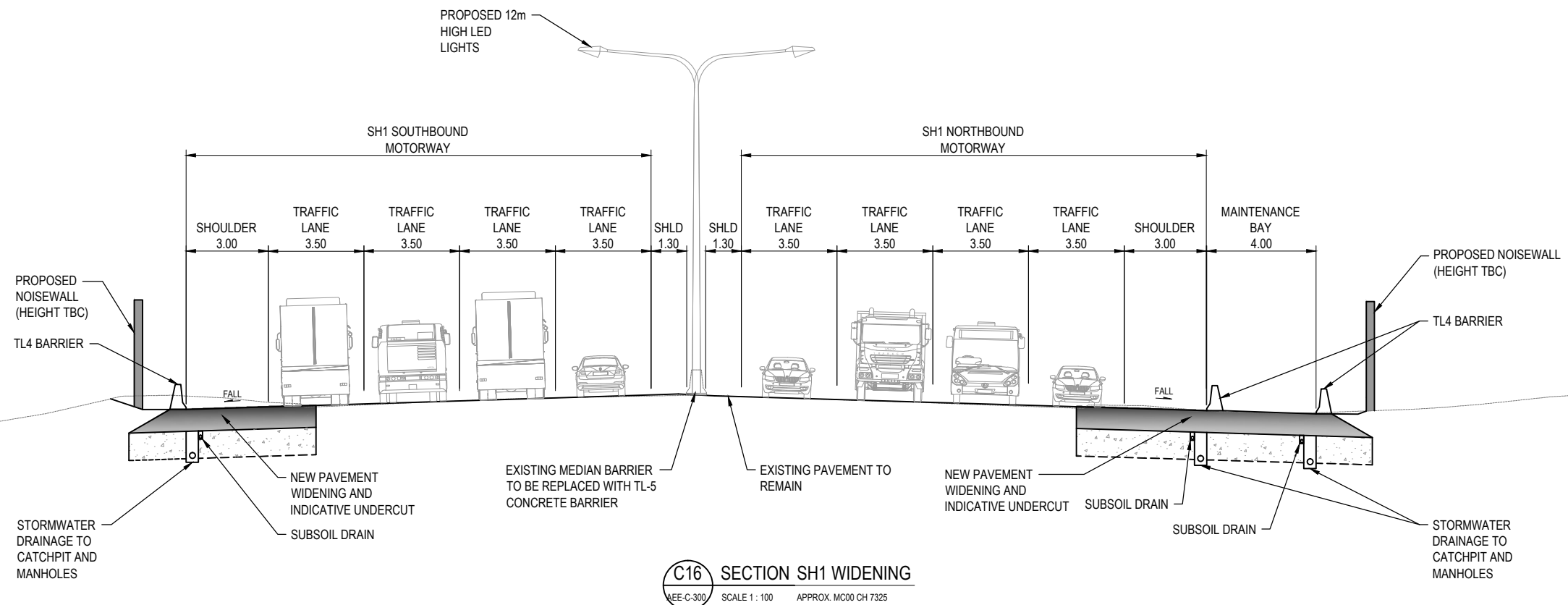
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Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 10	
Drawing Number	AEE-C-310	Rev No.
		0



GENERAL NOTES

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



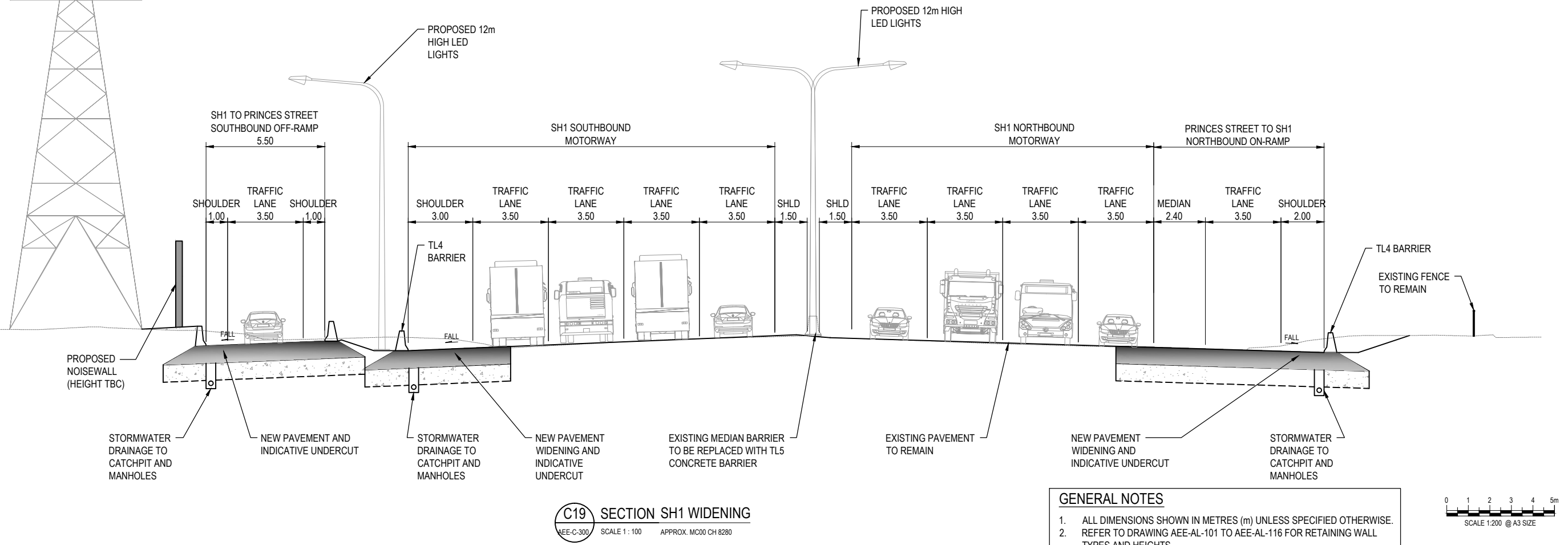
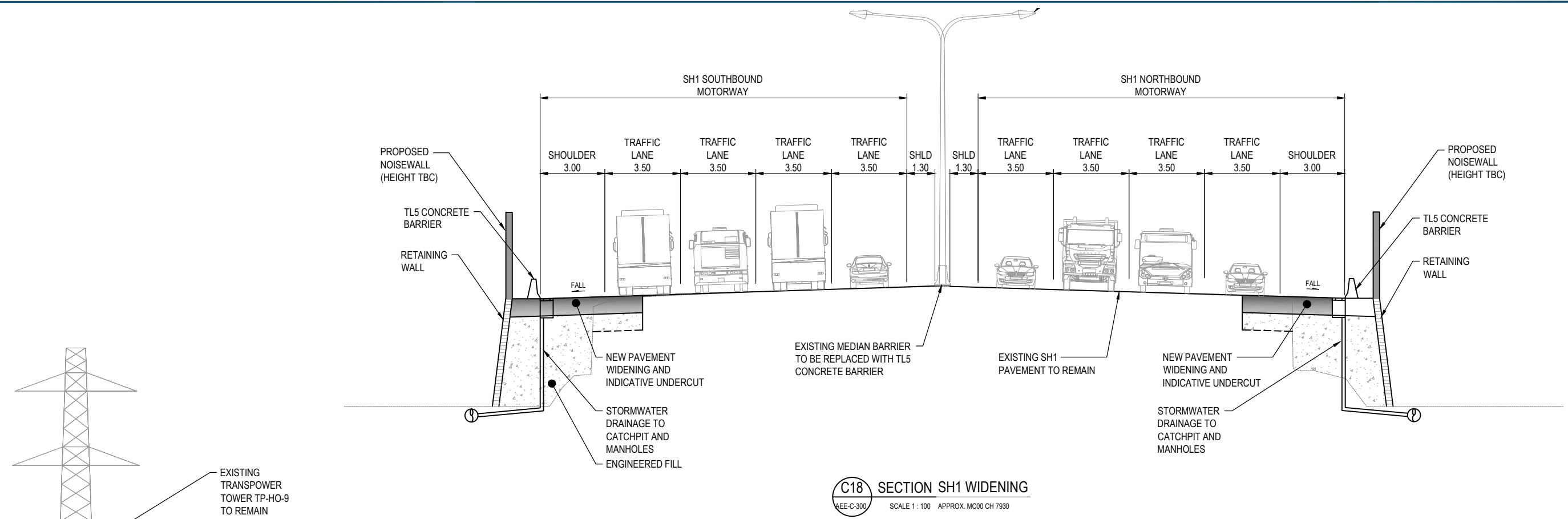
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Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 11		
Drawing Number	AEE-C-311	Rev No.	0



GENERAL NOTES

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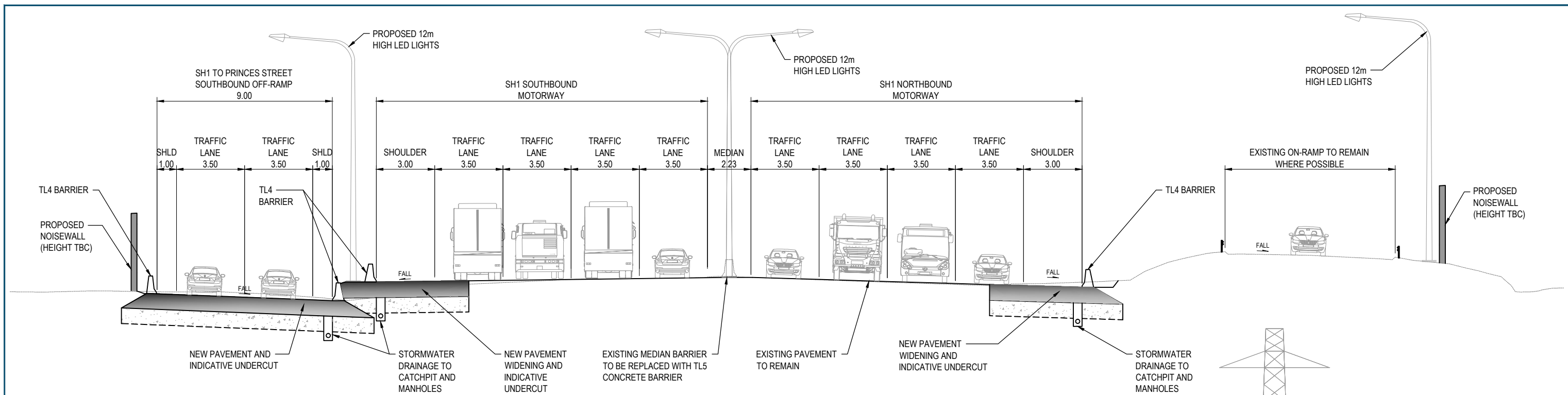


0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016
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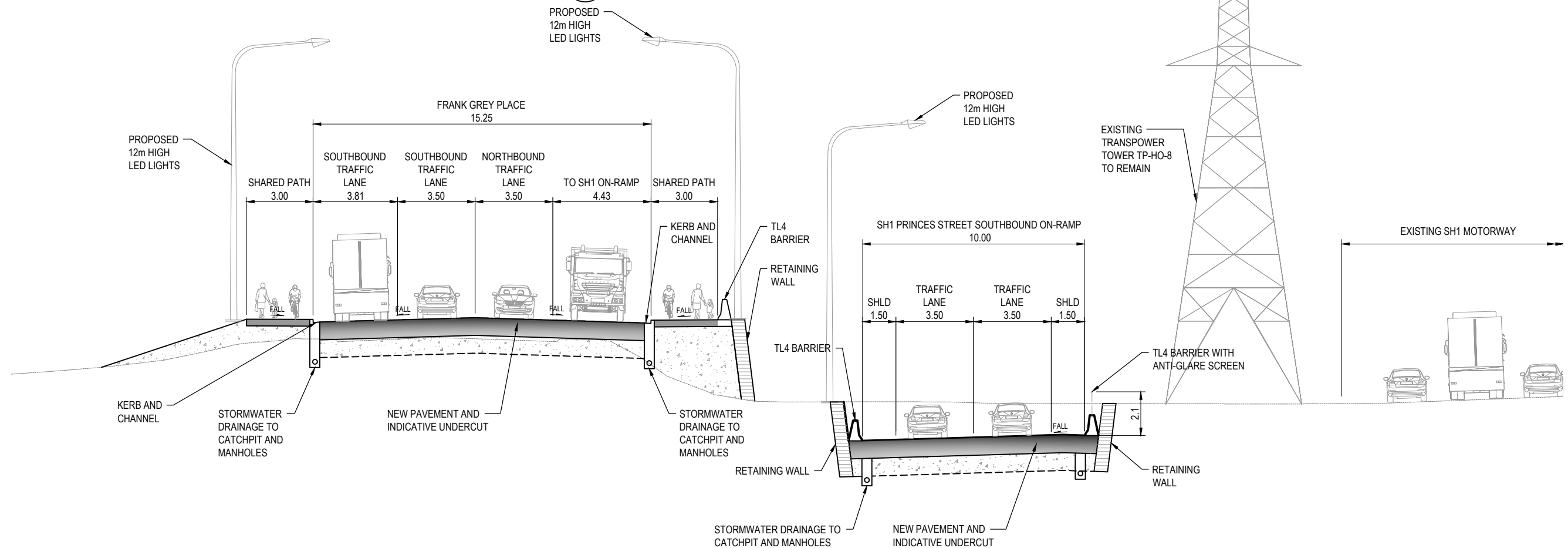
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Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 12	
Drawing Number	AEE-C-312	
Rev No.	0	



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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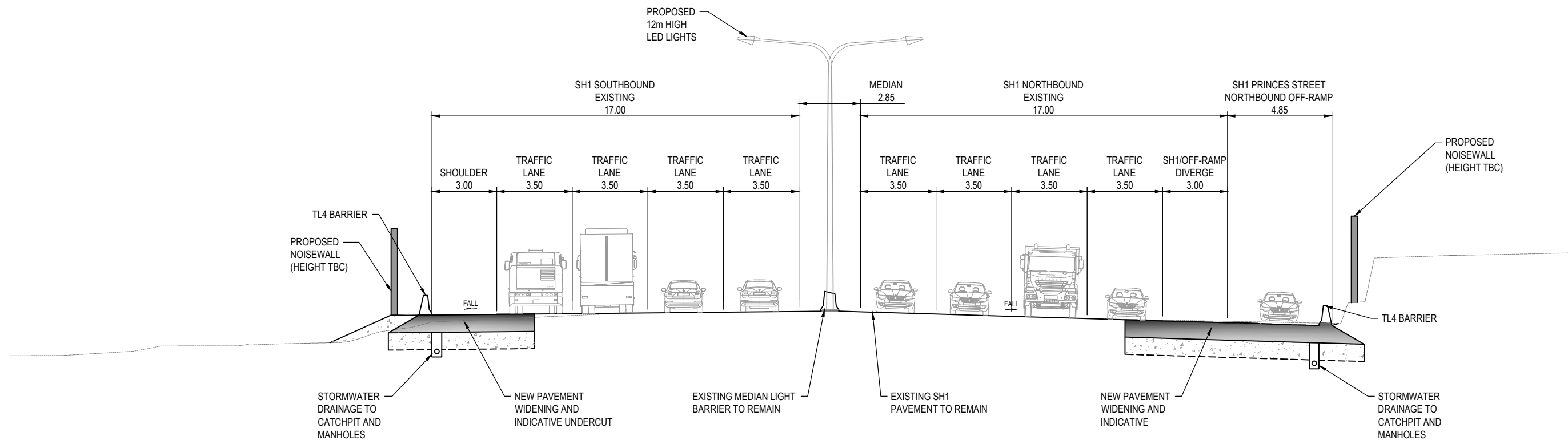
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

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

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 13		
Drawing Number	AEE-C-313		
Rev No.	0		



C22 SECTION SH1 WIDENING
 AEE-C-300 SCALE 1 : 100 APPROX. MC00 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.



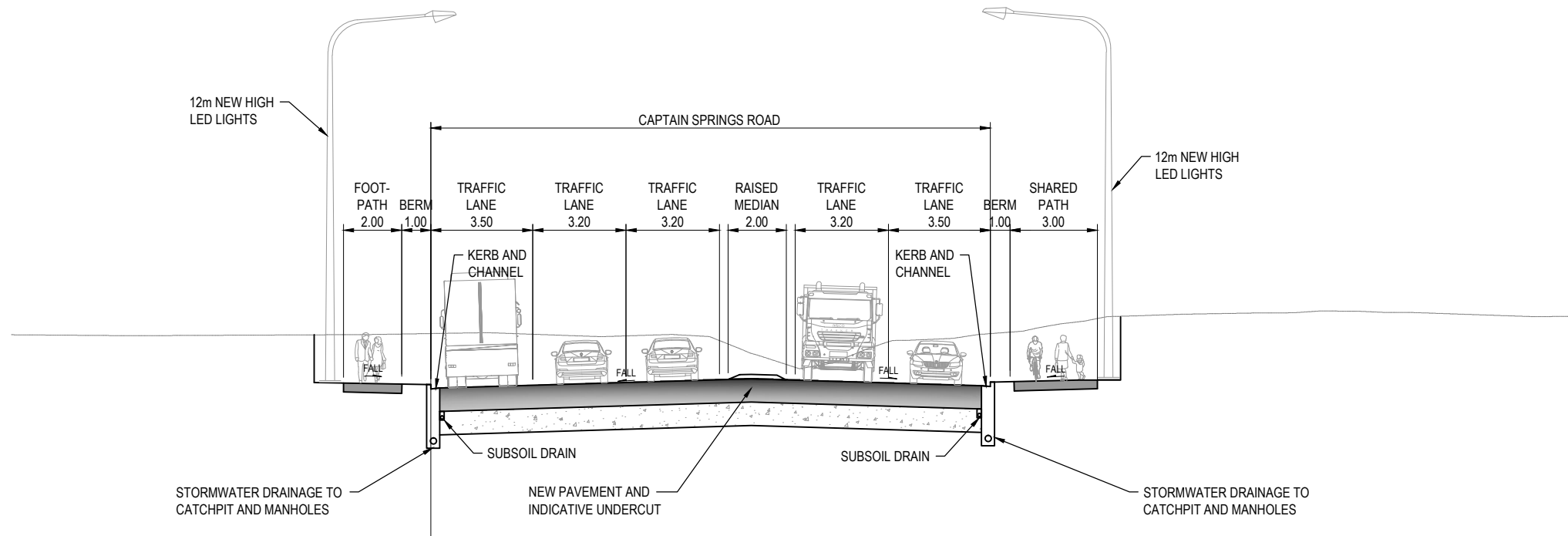
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

DISCLAIMER
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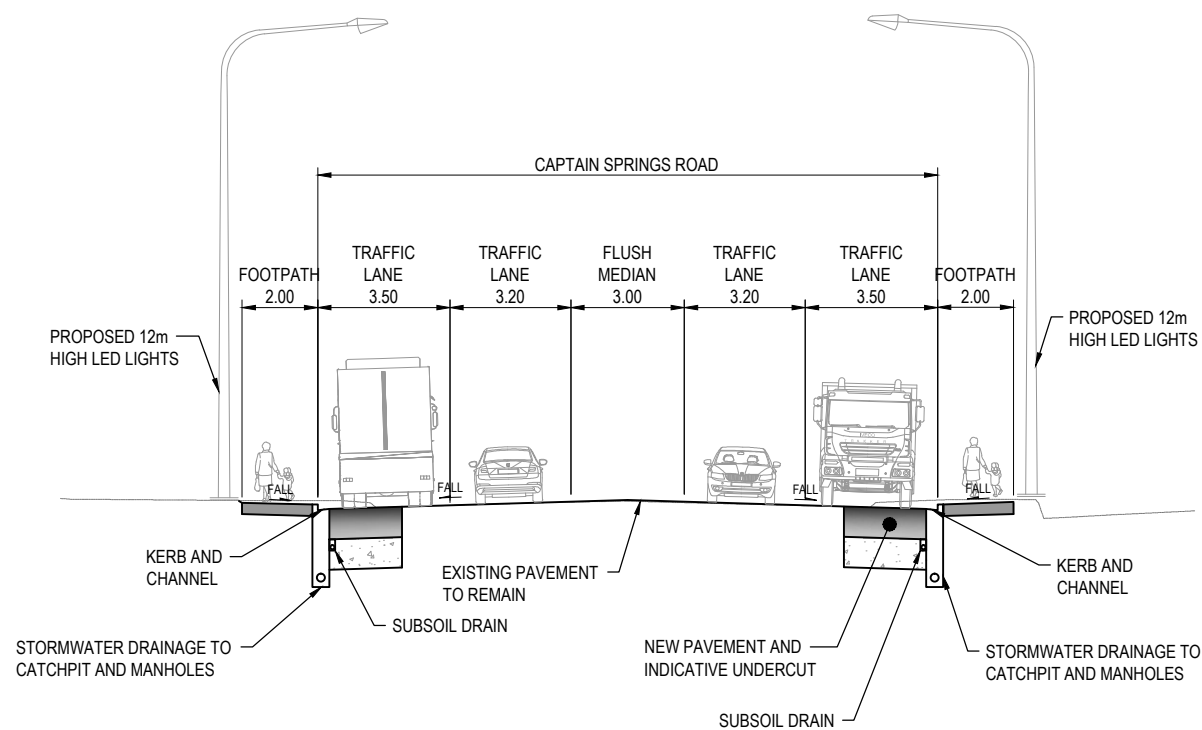


Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed R TAN	Design Check J MURAHIDY	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

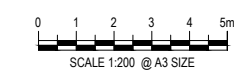
Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION SHEET 14	Rev No. 0
Drawing Number AEE-C-314	



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

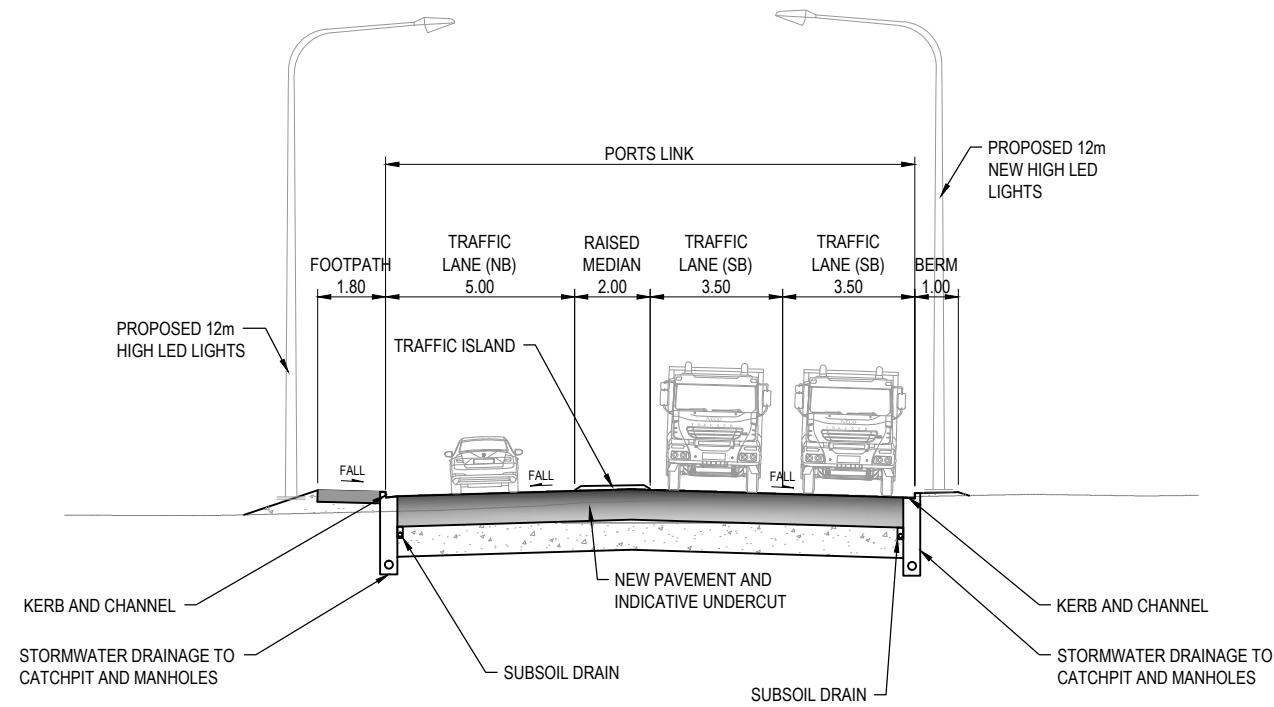
1. ALL DIMENSIONS SHOWN IN METRES (m) UNLESS SPECIFIED OTHERWISE.
2. REFER TO DRAWING AEE-AL-101 TO AEE-AL-116 FOR RETAINING WALL TYPES AND HEIGHTS.

No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

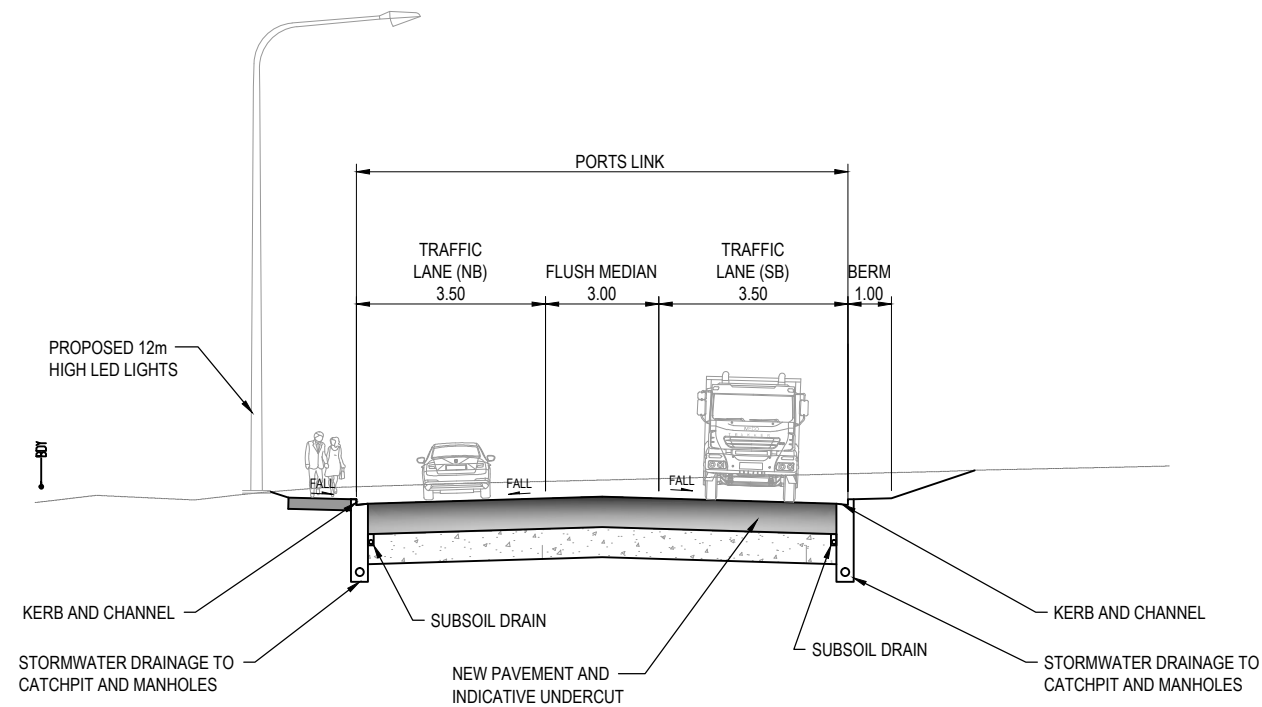
DISCLAIMER
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	R TAN	Design Check	J MURAHIDY	1/12/16	1/12/16	Contract No PA4014	
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN				

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION CAPTAIN SPRINGS ROAD - SHEET 15	
Drawing Number	AEE-C-315	Rev No. 0



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.

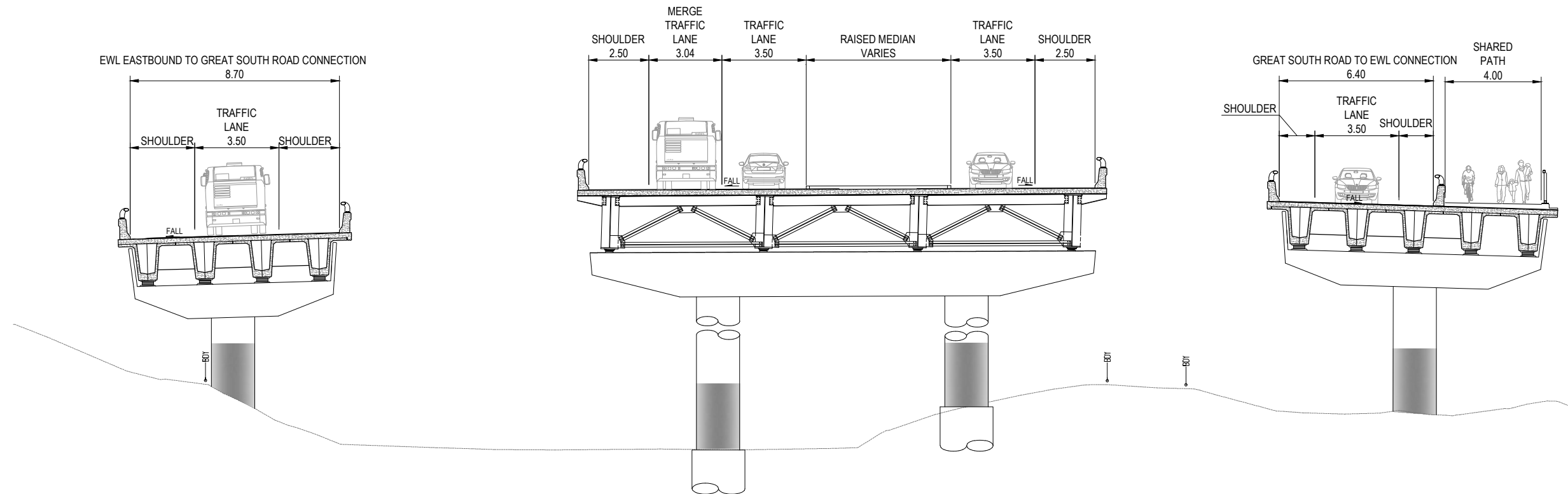


No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

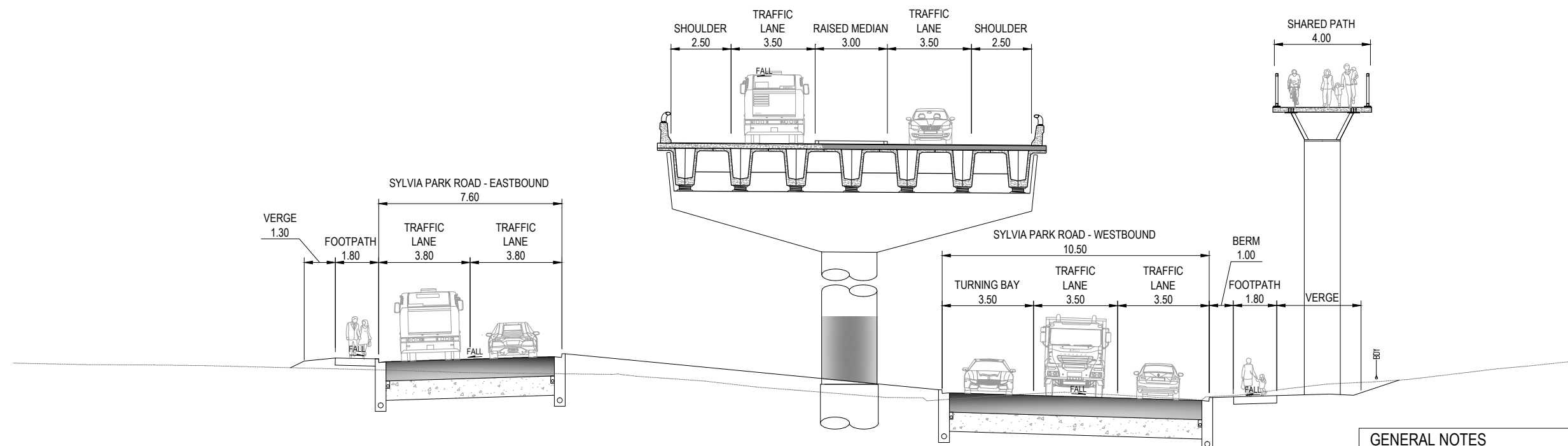
DISCLAIMER
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	R TAN	Design Check	J MURAHIDY	Design Manager	1/12/16	Alliance Manager	1/12/16
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No		PA4014	

Drawing Title	ROAD ALIGNMENT TYPICAL CROSS SECTION PORTS LINK - SHEET 16	
Drawing Number	AEE-C-316	Rev No.
		0



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.

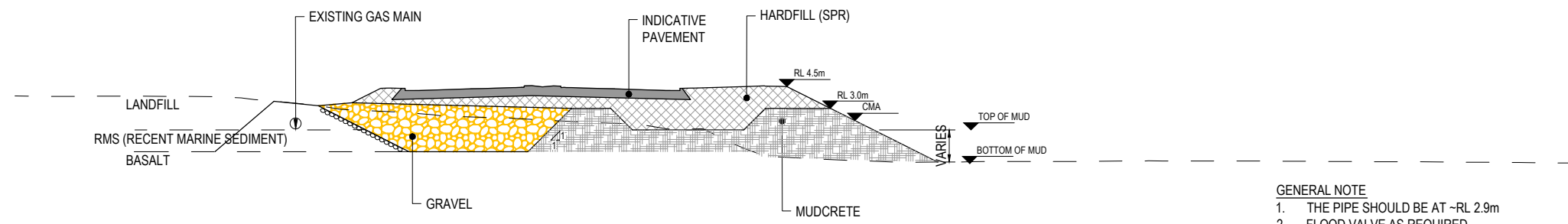


No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT - GSR GRADE SEPARATION	AR	NN*	PK*	14/12/2016

DISCLAIMER
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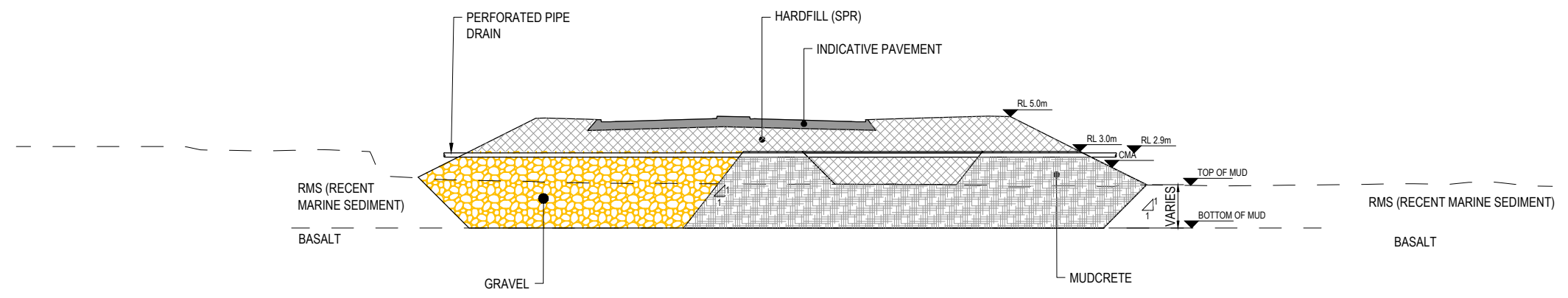
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed R TAN	Design Check J MURAHIDY	14/12/16	14/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title ROAD ALIGNMENT TYPICAL CROSS SECTION GREAT SOUTH ROAD INTERSECTION - SHEET 17	Rev No. 0
Drawing Number AEE-C-317	



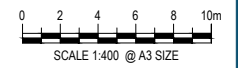
Q1 SECTION - EMBANKMENT (MC00 CH 1400)
C-300 SCALE 1 : 400 (A3)

- 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.



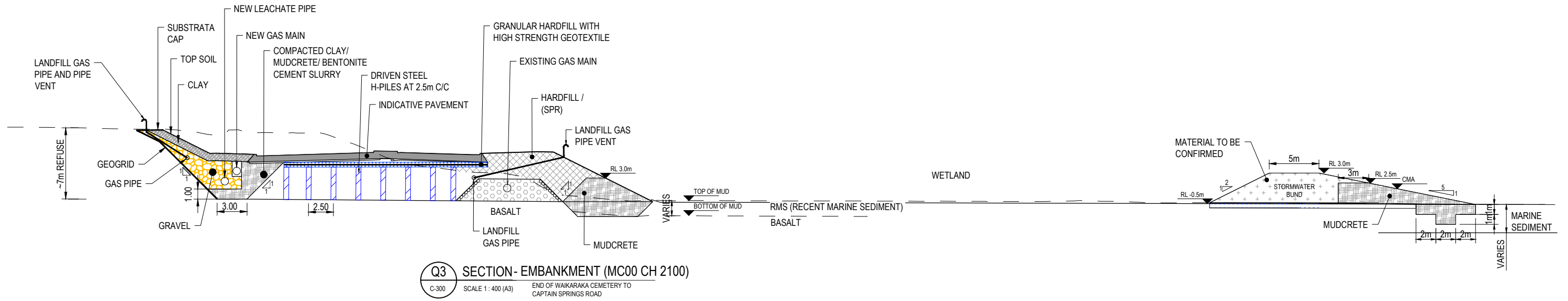
FOR CONSENT

No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

DISCLAIMER
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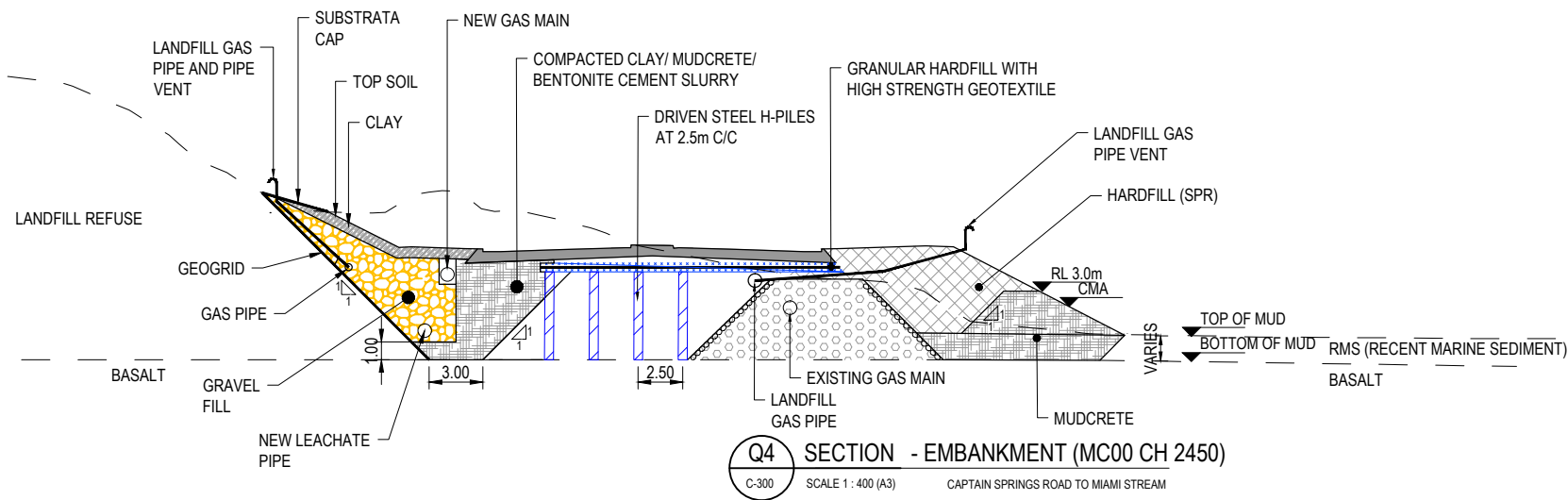
Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	D AVANIDOU	Design Check	G ALEXANDER	Design Manager	1/12/16	Alliance Manager	1/12/16
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	GEOTECHNICAL EMBANKMENT TYPICAL CROSS SECTION SHEET 1		
Drawing Number	AEE-C-321		
Rev No.	0		



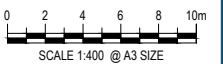
GENERAL NOTE

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.



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 CONSENT

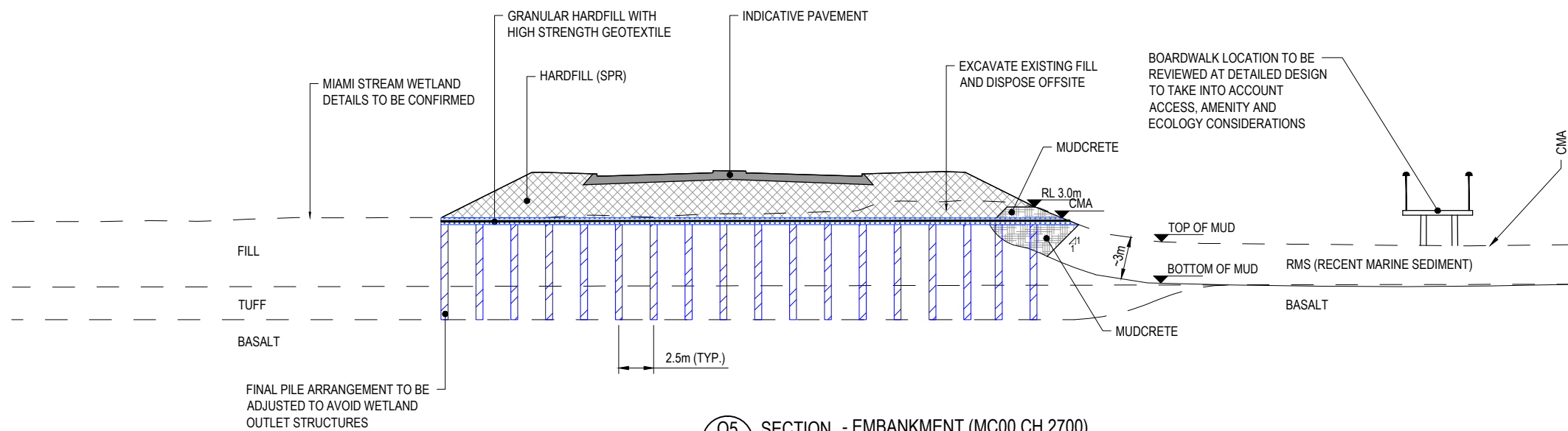
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

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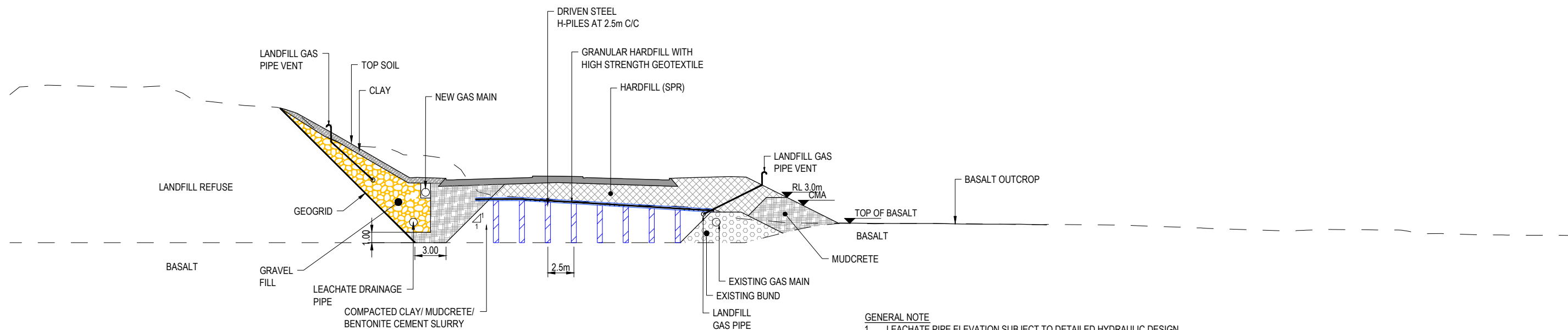
Drawn A RAM	Drafting Check J MURAHIDY	Reviewed Design Manager N NANCEKIVELL	Approved Alliance Manager P KELLY
Designed D AVANIDOU	Design Check G ALEXANDER	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title GEOTECHNICAL EMBANKMENT TYPICAL CROSS SECTION SHEET 2	Drawing Number AEE-C-322	Rev No. 0
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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 CONSENT

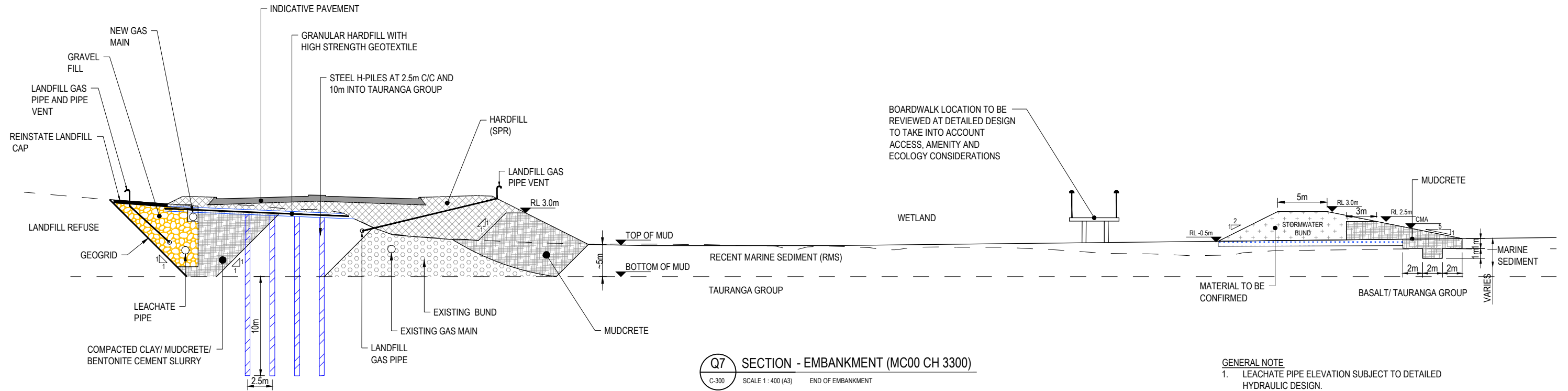
No.	Issued Status	Drawn	Check'd	App'd	Date
0	ISSUED FOR CONSENT	AR	NN*	PK*	01/12/2016

DISCLAIMER
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Drawn	A RAM	Drafting Check	J MURAHIDY	Reviewed	N NANCEKIVELL	Approved	P KELLY
Designed	D AVANIDOU	Design Check	G ALEXANDER	Design Manager	1/12/16	Alliance Manager	1/12/16
Scale:	Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No	PA4014		

Drawing Title	GEOTECHNICAL EMBANKMENT TYPICAL CROSS SECTION SHEET 3		
Drawing Number	AEE-C-323		
Rev No.	0		



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.

No.	Issued Status	Drawn	Check'd	App'd	Date
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 P KELLY
Designed D AVANIDOU	Design Check G ALEXANDER	1/12/16	1/12/16
Scale: Original Scale (A1)	Reduced Scale (A3)	AS SHOWN	Contract No PA4014

Drawing Title GEOTECHNICAL EMBANKMENT TYPICAL CROSS SECTION SHEET 4	Drawing Number AEE-C-324	Rev No. 0
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FOR CONSENT