

NOTES:
 - LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY
09-08-2004

Connell Wagner
 Queensland Government Department of Main Roads
 Contract No. //

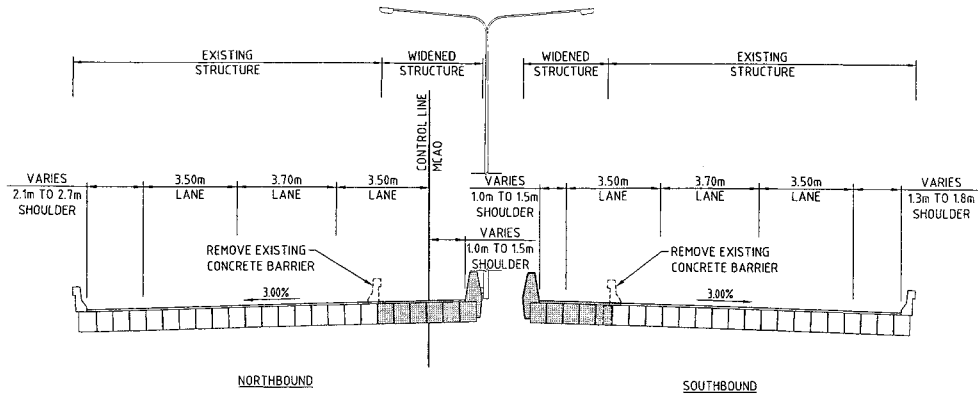
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A	Original issue			(Office use only)		

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT					
CTL CHGE CH 5160 to CH 25250					
Preceding RPC	Dist. to start of job (km)	Reference Points From start to end of job	Following RPC	Survey DMR Ckd	Bdys DMR Ckd

REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 1 OF 18					
Drawn TB Ckd	Design ASM Ckd	Examined <i>[Signature]</i> Ckd	Certified <i>[Signature]</i> RPEQ 3297	Approved	

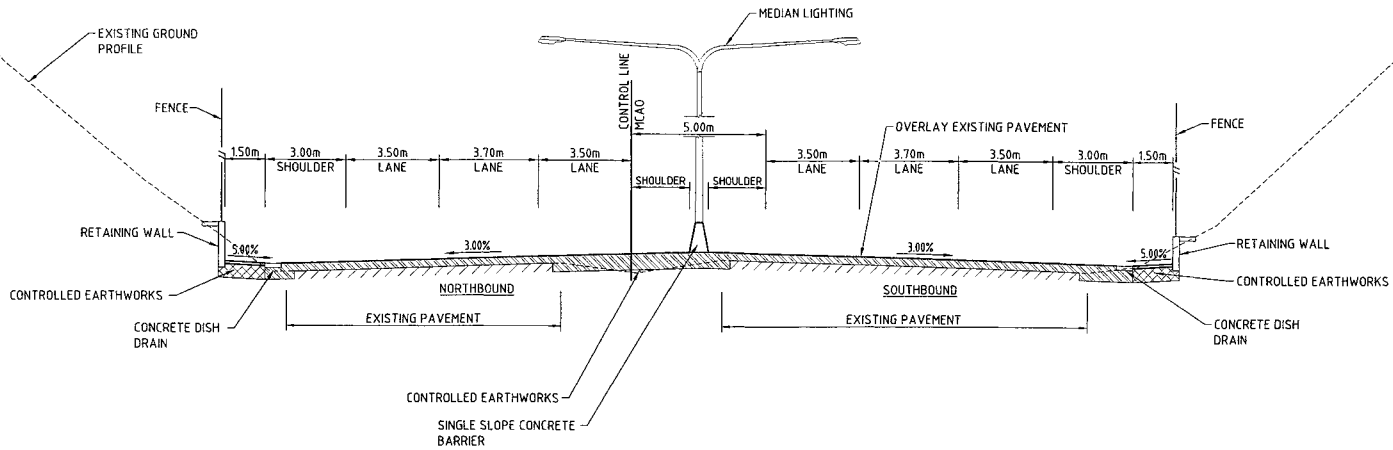
Queensland Government
 Department of Main Roads
 JOB No. No. 5 of 53 drgs
 Drawing No. TX001
 Contract No. A
 CAD REF: CONNELL WAGNER

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GREENDALE WAY

**GATEWAY MOTORWAY
CH8775 (MCAO)**
SCALE 1:100
(FOR BRIDGE DETAILS REFER DRG BR001)



**GATEWAY MOTORWAY
CH8400 (MCAO)**
SCALE 1:100

PRELIMINARY

09-08-2004

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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
				Auxiliary drawing nos	Scales	Through chainage from
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A	Original issue					

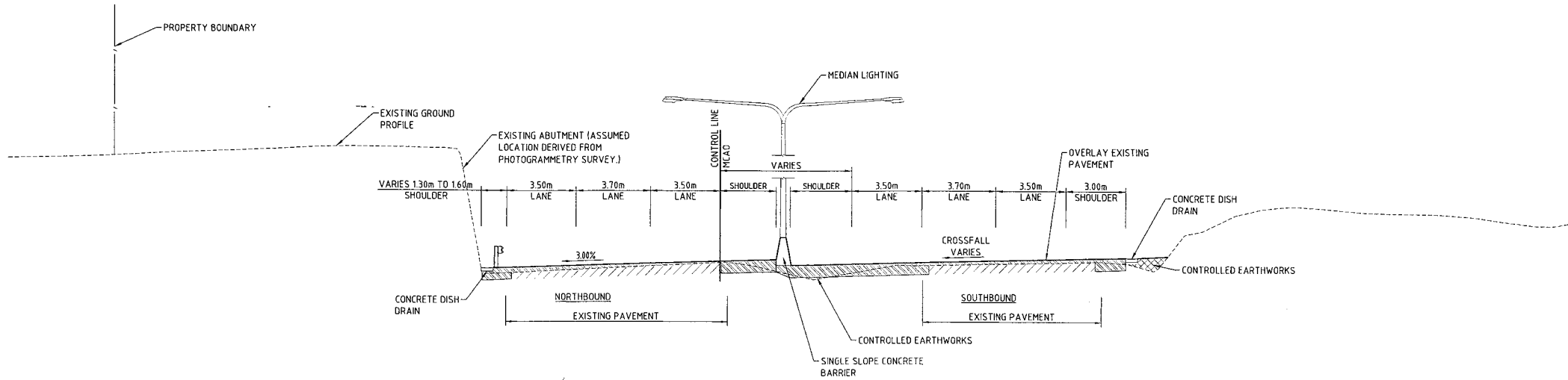
BRISBANE CITY COUNCIL					
GATEWAY UPGRADE PROJECT					
CH 5160 to CH 25250					
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	Survey DMR Ckd
					Boys DMR Ckd
					Drawn TB Ckd
					Design ASM Ckd
					Examined <i>[Signature]</i> Ckd
					Certified <i>[Signature]</i> RPEQ 3297
					Approved //

REFERENCE PROJECT					
TYPICAL CROSS SECTIONS					
SHEET 2 OF 18					
JOB No.			No. 6 of 53 drgs		
Drawing No.			TX002		
Contract No.			A		
CAD REF: CONNELL WAGNER					

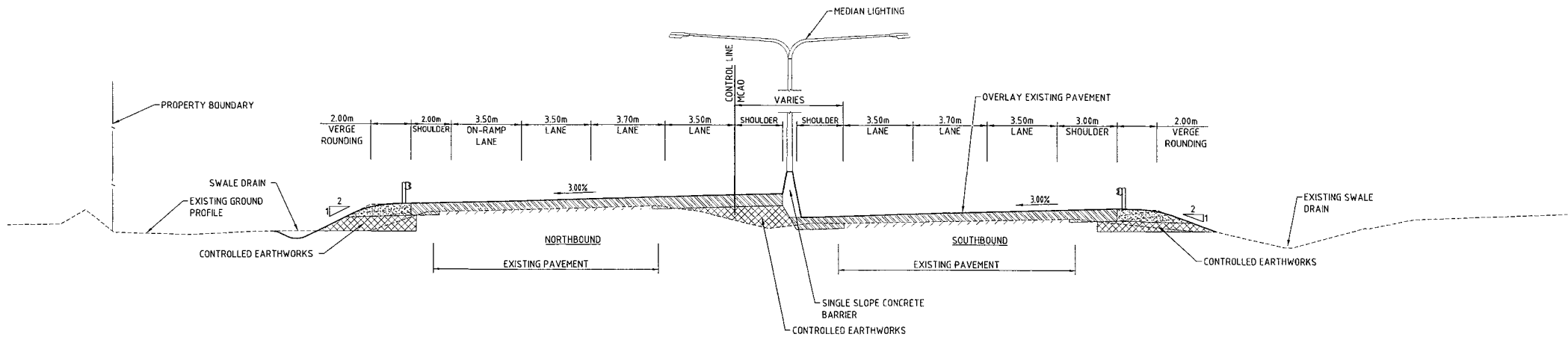
Queensland Government
Department of Main Roads

Original Issue

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GATEWAY MOTORWAY
CH11100 (MCA0)
SCALE 1:100



GATEWAY MOTORWAY
CH10700 (MCA0)
SCALE 1:100

PRELIMINARY
09-08-2004

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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
				Auxiliary drawing nos	Scales	Through chainage from
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A	Original issue					

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT					
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Reference Points					
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	

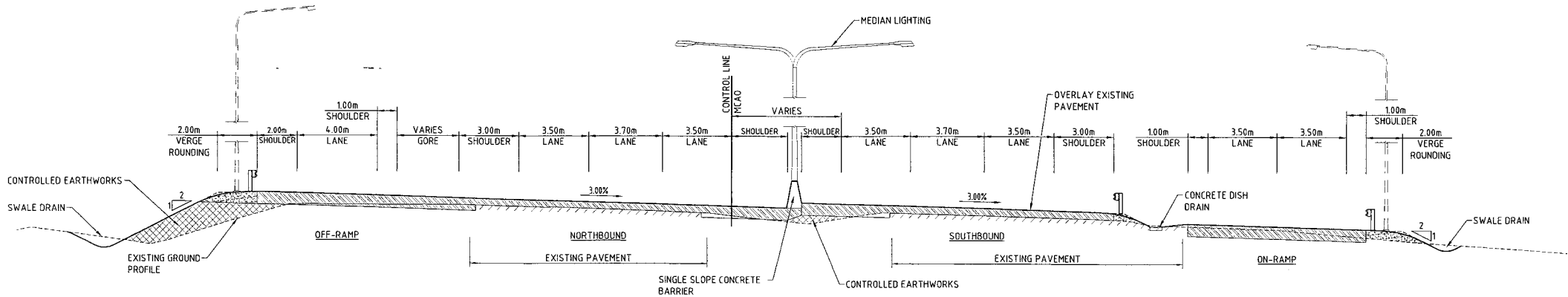
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					3297				

Queensland Government
Department of Main Roads

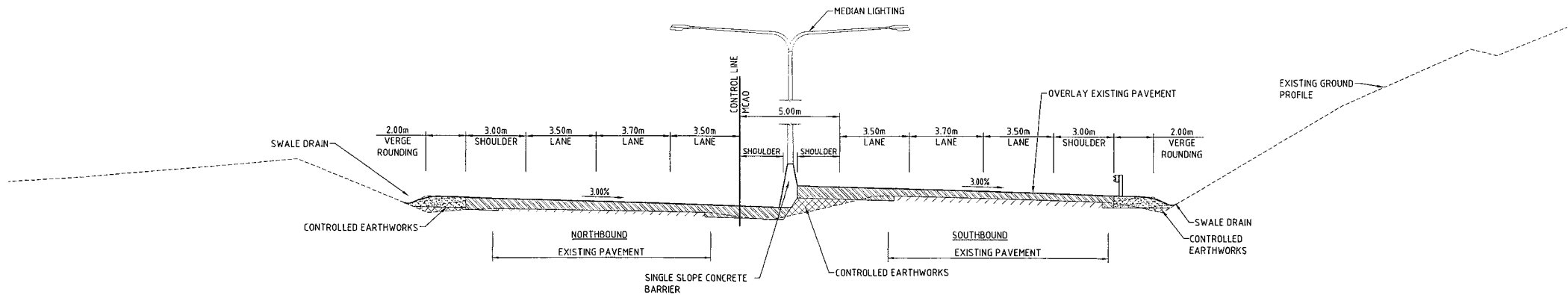
JOB No. No. 8 of 53 drgs
Drawing No. TX004
Contract No. A

CAD REF: CONNELL WAGNER

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 LCONN NAME: RPEQ



GATEWAY MOTORWAY
CH13100 (MCA0)
SCALE 1:100



GATEWAY MOTORWAY
CH11700 (MCA0)
SCALE 1:100

NOTES:
- LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
- TYPICAL ARRANGEMENT IS DUAL OUTREACH.
- LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY
09-08-2004

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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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BRISBANE CITY COUNCIL					
GATEWAY UPGRADE PROJECT					
REFERENCE PROJECT					
TYPICAL CROSS SECTIONS					
SHEET 5 OF 18					
CH 5160 to CH 25250					
Reference Points					
Preceding RPC	Diat. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd	Examined <i>[Signature]</i> Ckd	Certified <i>[Signature]</i> RPEQ

Approved		
Contract No.	//	
GAD REF: CORNELL WAGNER		

Queensland Government
Department of Main Roads

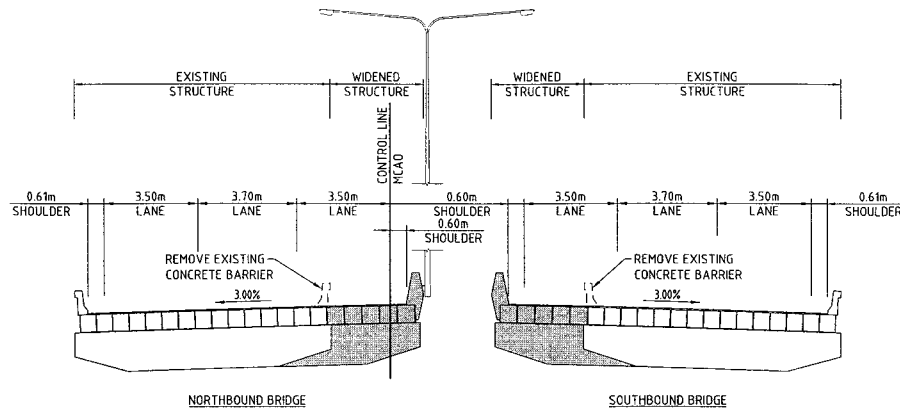
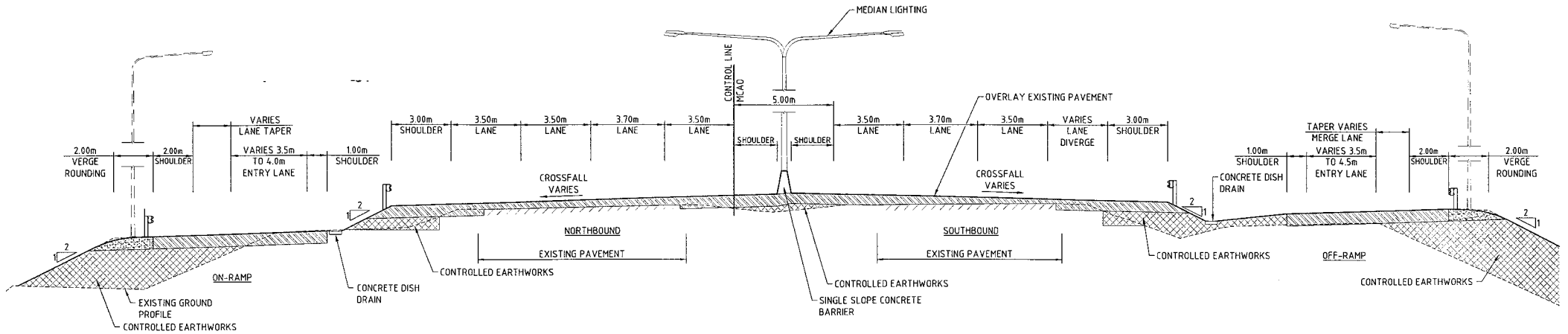
JOB No. No. 9 of 53 drgs

Drawing No. TX005

Contract No. A

GAD REF: CORNELL WAGNER

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GATEWAY MOTORWAY CH13450 (MCA0) SCALE 1:100 (FOR BRIDGE DETAILS REFER DRG BR004)

NOTES:
 - LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY

09-08-2004

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 Email: enquiries@connellwagner.com

Queensland Government
 Department of Main Roads

JOB No. No.10 of 53 drgs

Drawing No. TX006

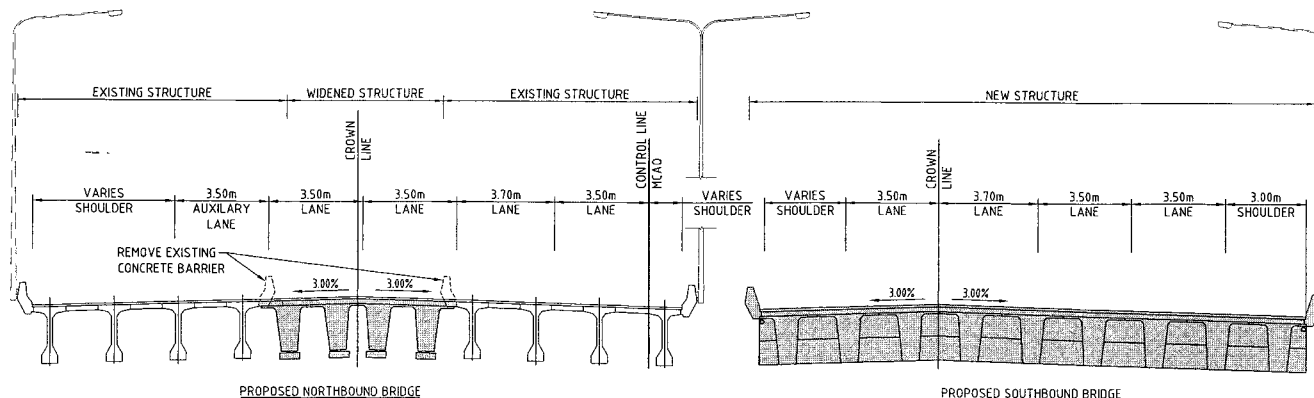
Contract No. A

CAD REF: CONNELL WAGNER

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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BRISBANE CITY COUNCIL			
GATEWAY UPGRADE PROJECT			
CTL CHGE	CH 5160 to CH 25250		
Reference Points			
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd

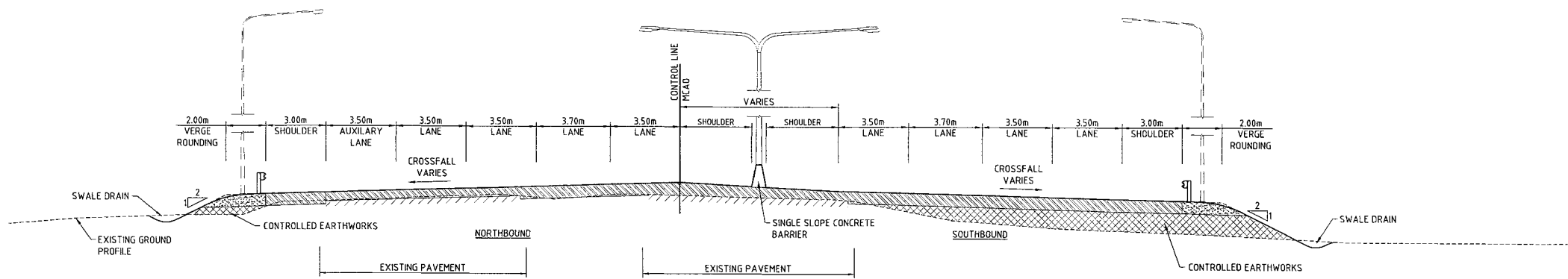
REFERENCE PROJECT			
TYPICAL CROSS SECTIONS			
SHEET 6 OF 18			
Certified	Approved		
RPEQ	3247		



BULIMBA CREEK

GATEWAY MOTORWAY
CH14700 (MCA0)

SCALE 1:100
(FOR BRIDGE DETAILS REFER BR006 TO BR011)



GATEWAY MOTORWAY
CH14350 (MCA0)

SCALE 1:100

- NOTES:
- LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY
09-08-2004

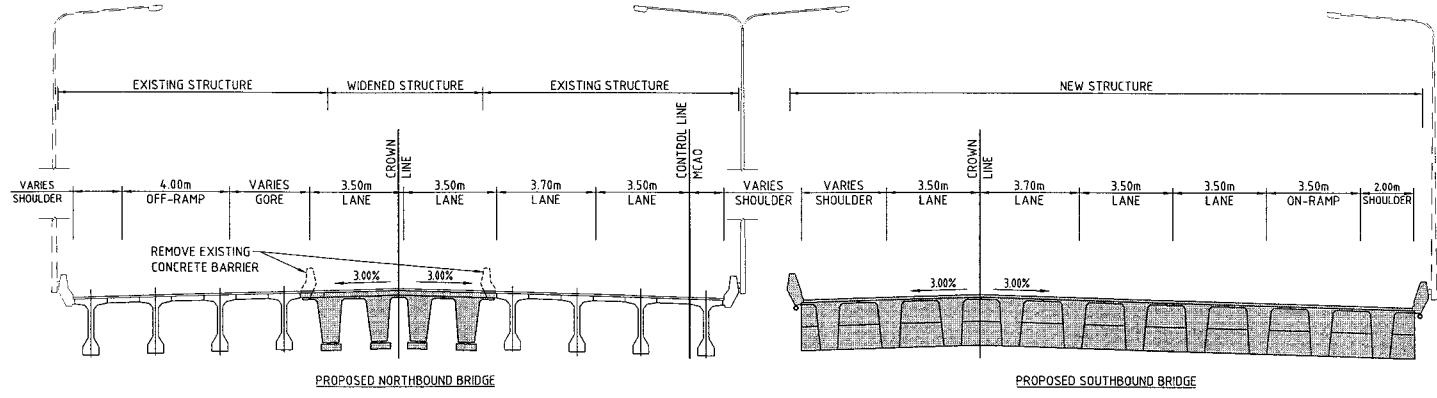
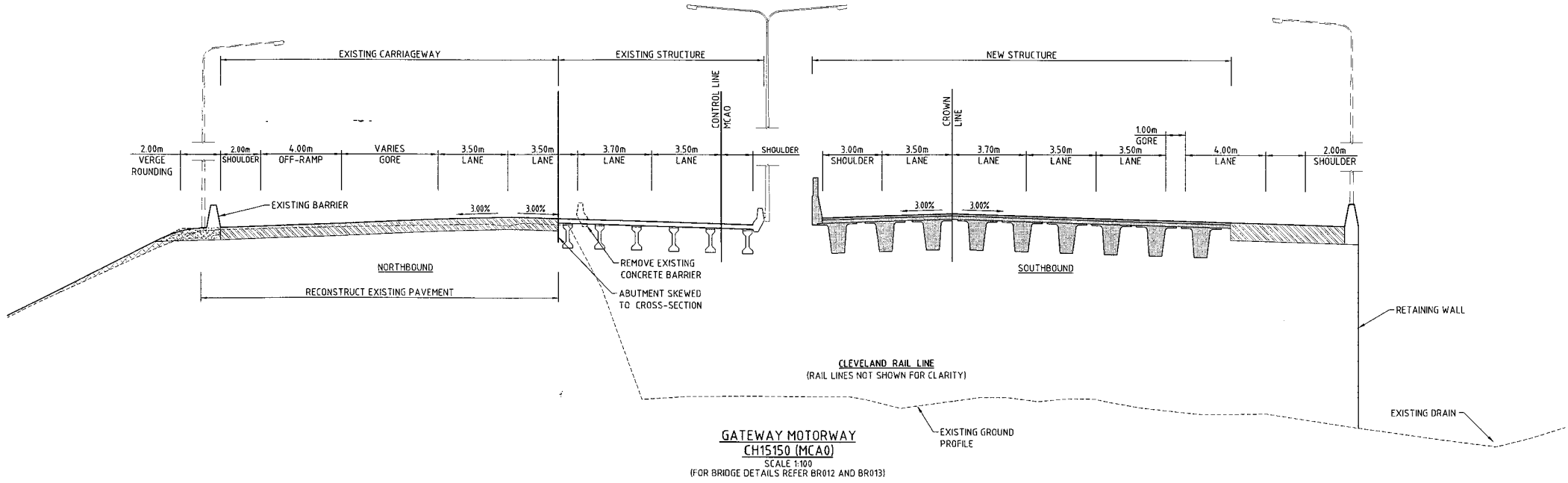
Connell Wagner
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433 Boundary St. (Level 8) Brisbane QLD 4000 Facsimile: +61 7 3248 1001
Queensland 4004 Australia Email: cw@connellwagner.com.au

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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A	Original issue			(Office use only)		

BRISBANE CITY COUNCIL				REFERENCE PROJECT			
GATEWAY UPGRADE PROJECT				TYPICAL CROSS SECTIONS			
CH 5160 to CH 25250				SHEET 7 OF 18			
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd

Design ASM Ckd	Examined RPEQ	Certified RPEQ	Approved

Queensland Government
Department of Main Roads
JOB No. No.11 of 53 drgs
Drawing No. TX007
Contract No. A
CAD REF: CONNELL WAGNER



BULIMBA CREEK
GATEWAY MOTORWAY CH14900 (MCA0)
SCALE 1:100
(FOR BRIDGE DETAILS REFER BR006 TO BR011)

- NOTES:**
- LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY
09-08-2004

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Fax: +61 7 3246 1001 Email: cw@connellwagner.com

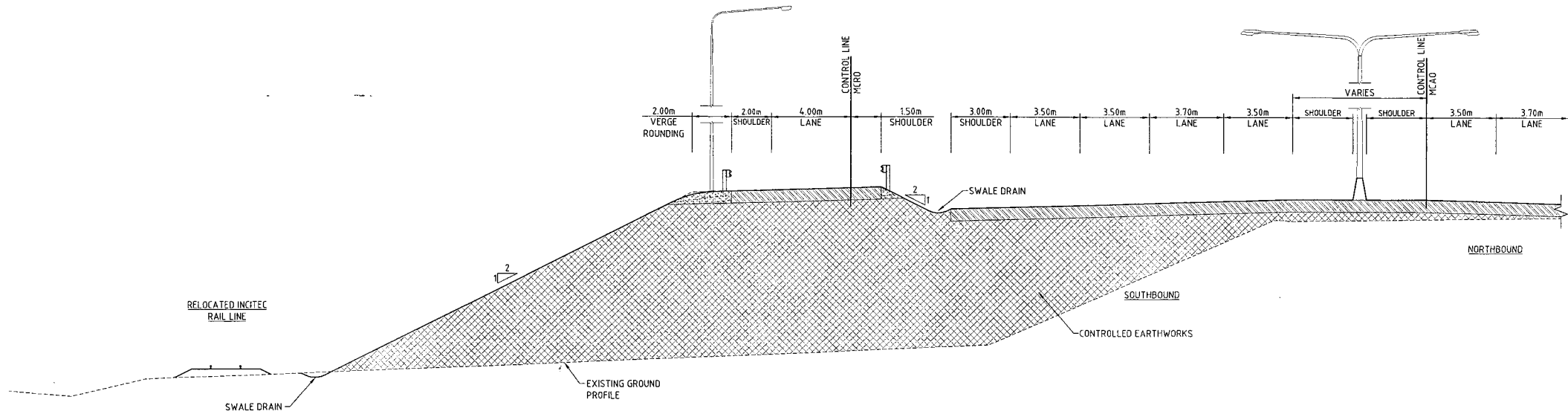
Queensland Government
Department of Main Roads
JOB No. No.12 of 53 drgs
Drawing No. TX008
Contract No. A
CAD REF: CONNELL WAGNER

Revisions	Certified	Date	Microfited	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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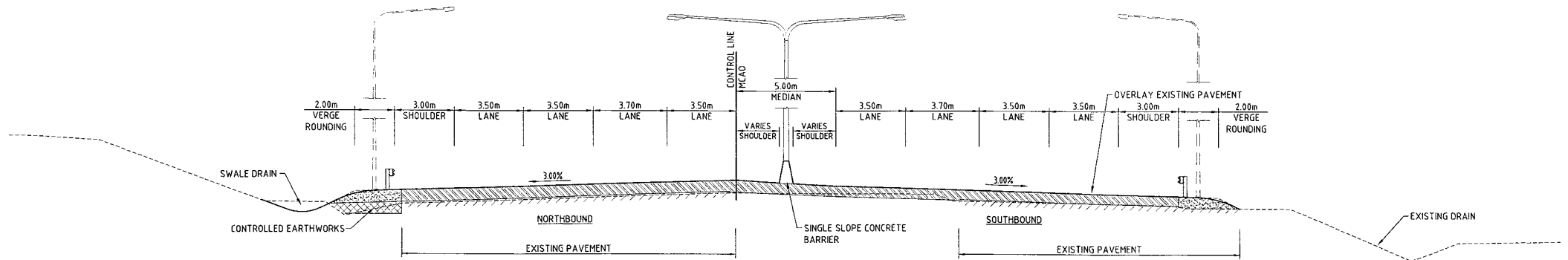
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CTL CHGE		CH 5160 to CH 25250			
Reference Points					
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	

REFERENCE PROJECT					
TYPICAL CROSS SECTIONS					
SHEET 8 OF 18					
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd	Examined <i>[Signature]</i> Ckd	Certified <i>[Signature]</i> RPEQ
					Approved

REF - 5191_MRR_DETAIL_A1 LOON DWG.T - rev01
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SOUTHBOUND ON-RAMP TO GATEWAY MOTORWAY (LOOKING SOUTH)
SCALE 1:100



GATEWAY MOTORWAY CH15500 (MCAO)
SCALE 1:100

NOTES:
 - LIGHTING CONCEPTS ARE BASED ON AS/ANS 1156 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

PRELIMINARY
09-08-2004

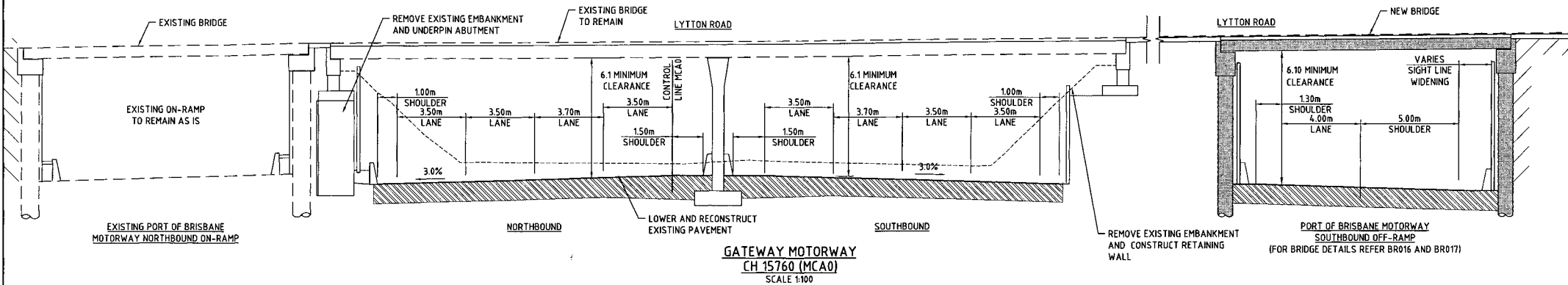
Connell Wagner
 Department of Main Roads
 Queensland Government
 433 Boundary St, (Locked Bag 1800) Spring Hill
 Queensland 4004 Australia
 Telephone: +61 7 3246 1000
 Facsimile: +61 7 3246 1001
 Email: cw@connellwagner.com.au

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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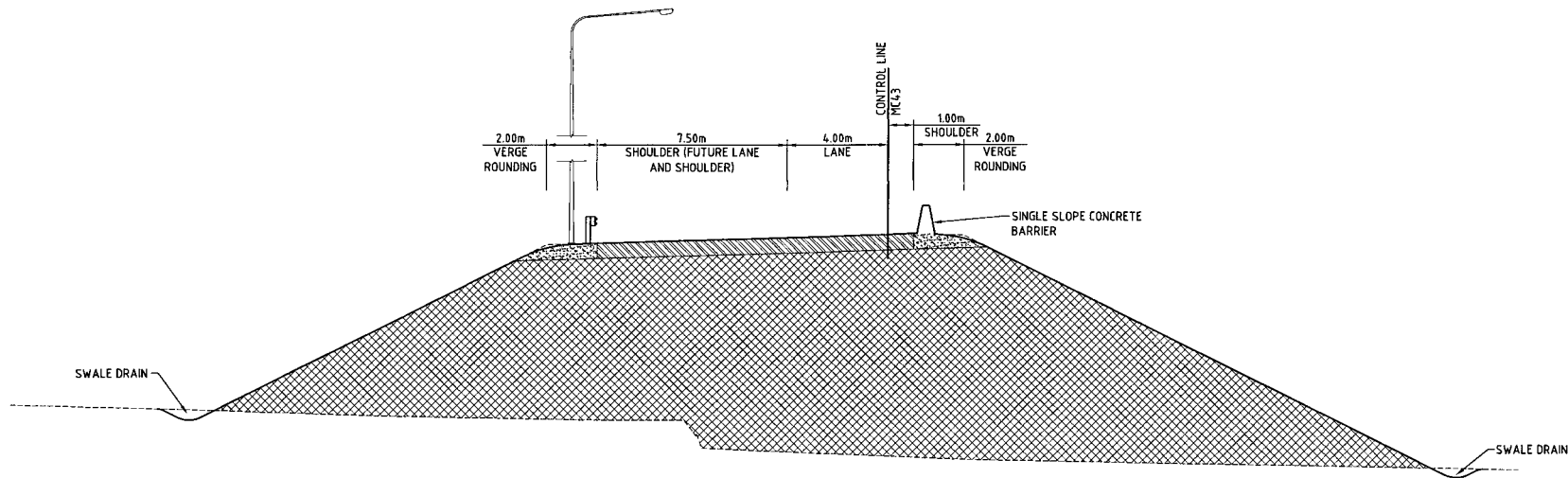
BRISBANE CITY COUNCIL					
GATEWAY UPGRADE PROJECT					
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TYPICAL CROSS SECTIONS					
SHEET 9 OF 18					
Reference Points					
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	

Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd	Examined RPK Ckd	Certified RPEQ	Approved

Queensland Government
 Department of Main Roads
JOB No. No.13 of 53 drgs
Drawing No. TX009
Contract No. A
 CAD REF: CONNELL WAGNER



**GATEWAY MOTORWAY
CH 15760 (MCA0)**
SCALE 1:100



**SOUTHBOUND OFF-RAMP TO PORT OF
BRISBANE MOTORWAY (LOOKING SOUTH)**
SCALE 1:100

PRELIMINARY
09-08-2004

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Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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A	Original issue					

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT				REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 10 OF 18			
CTL CHGE CH 5160 to CH 25250				Reference Points Preceding RPC Dist. to start of job (km) From start to end of job From end to following RPC Following RPC			

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RPEQ 3297						

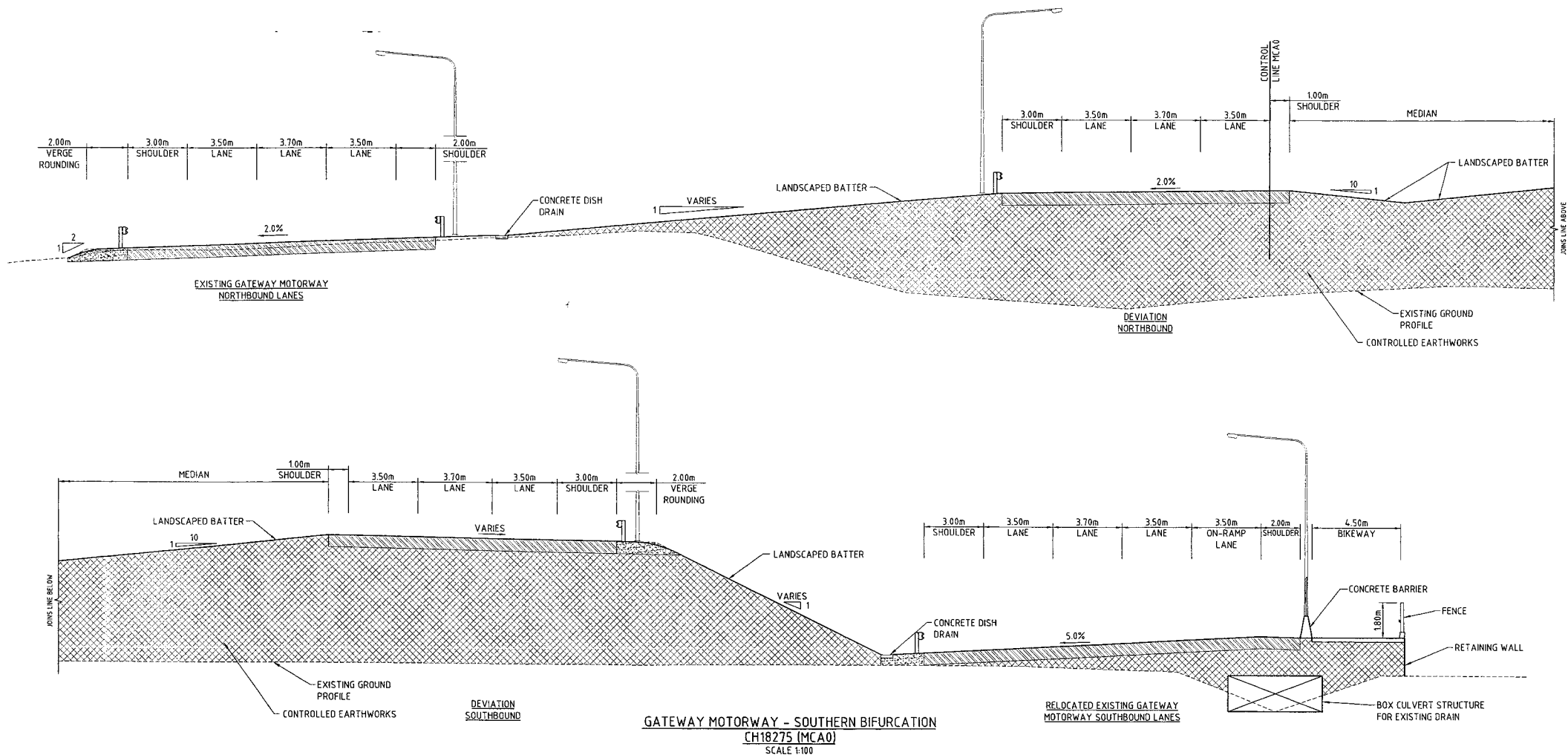
Queensland Government
Department of Main Roads

JOB No. No.14 of 53 drgs
Drawing No. TX010

Contract No. A

CAD REF: CONNELL WAGNER

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PRELIMINARY
09-08-2004

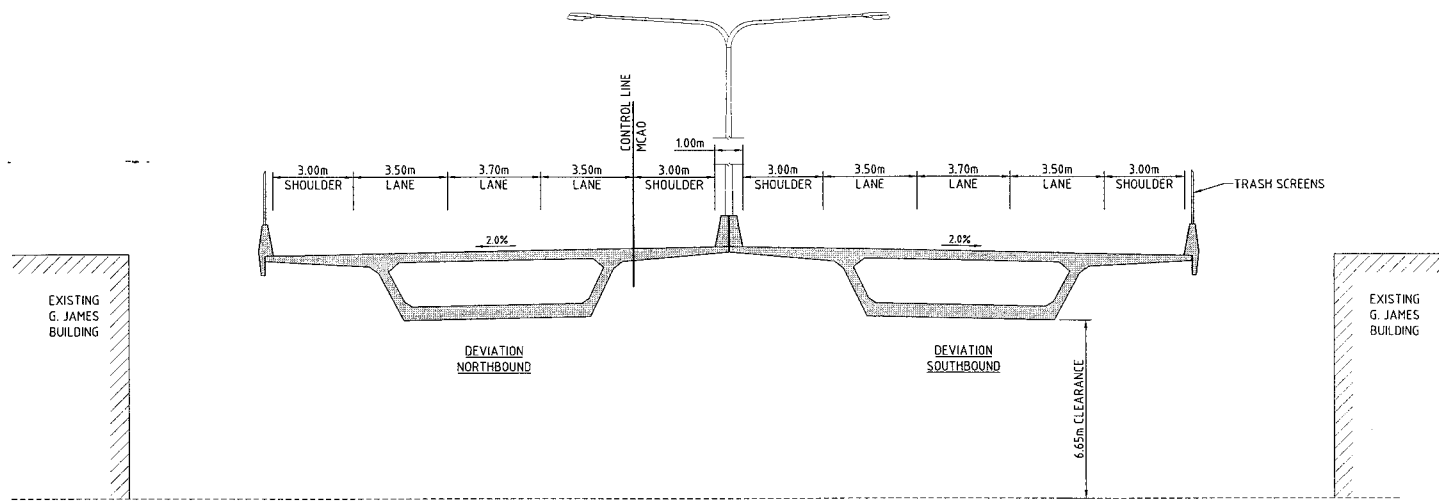
Connell Wagner
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 433 Boundary St, (Level 5) Spring Hill Facsimile: +61 7 3246 1000
 Queensland 4004 Australia Email: cwb@connellwagner.com

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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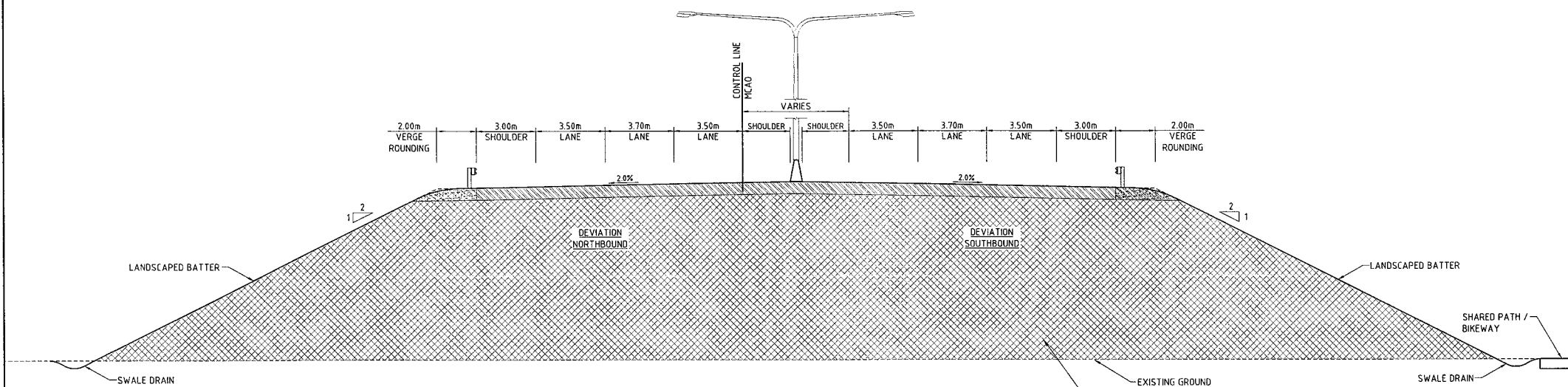
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GATEWAY UPGRADE PROJECT				
CH 5160 to CH 25250				
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC

REFERENCE PROJECT				
TYPICAL CROSS SECTIONS				
SHEET 12 OF 18				
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd	Examined <i>[Signature]</i> Ckd
				Certified <i>[Signature]</i> RPEO 3297
				Approved <i>[Signature]</i>

Queensland Government
 Department of Main Roads
JOB No. No.16 off 53 drgs
Drawing No. TX012
 Contract No. A
CAD REF: CONNELL WAGNER



GATEWAY MOTORWAY
CH19000 (MCAO)
SCALE 1:100
(FOR BRIDGE DETAILS REFER BR030 TO BR032)

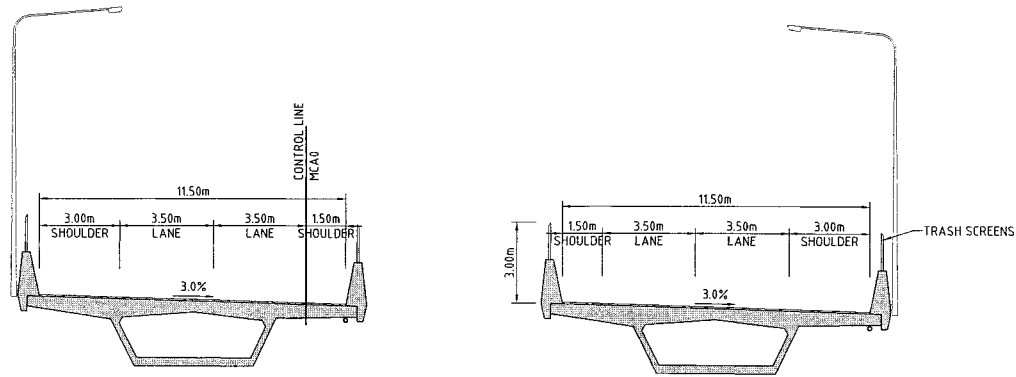


GATEWAY MOTORWAY
CH18800 (MCAO)
SCALE 1:100

PRELIMINARY
09-08-2004

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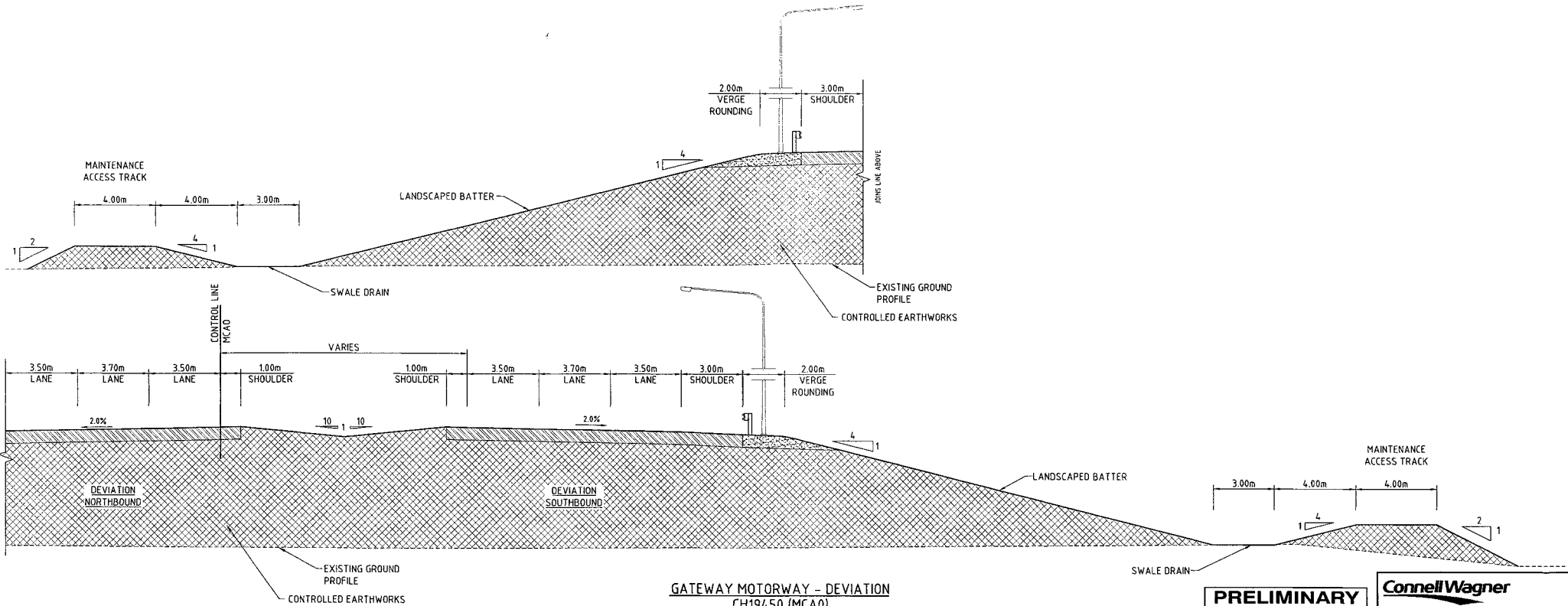
Revisions				Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books	BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT				REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 13 OF 18				Queensland Government Department of Main Roads	
							Auxiliary drawing nos	Scales	Through chainage from	CTL CHGE CH 5160 to CH 25250				JOB No. No.17 of 53 drgs Drawing No. TX013				Contract No. A	
								1:100	1 0 1 2 3 4 5 m	Reference Points From start to end of job				Survey DMR Ckd				Approved	
A Original issue							(Office use only)			From end to following RPC				Design TB Ckd				Examined ASM Ckd	
										Following RPC				Certified RPEQ 3297				Approved //	
														CAD REF: CONNELL WAGNER					



DEVIATION NORTHBOUND

**GATEWAY MOTORWAY
CH20600 (MCAO)**
NOTE: BRIDGES TO ALLOW FOR FUTURE WIDENING TO 16.0m (INSIDE OF BARRIERS)
SCALE 1:100
(FOR BRIDGE DETAILS REFER TO BR033 AND BR034)

DEVIATION SOUTHBOUND



**GATEWAY MOTORWAY - DEVIATION
CH19450 (MCAO)**
SCALE 1:100

PRELIMINARY
09-08-2004

Connell Wagner

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433 Boundary St. (Locked Bag 18200) Spring Hill Focusline +61 7 3246 1001
Queensland 4001 Australia Email: cwb@connellwagner.com

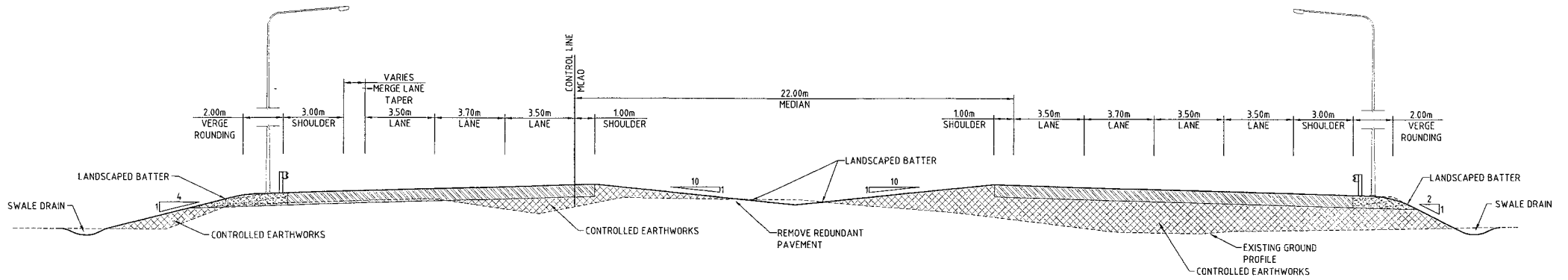
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A	Original issue			(Office use only)		

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT			
CTL CHGE		CH 5160 to CH 25250	
Reference Points			
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd

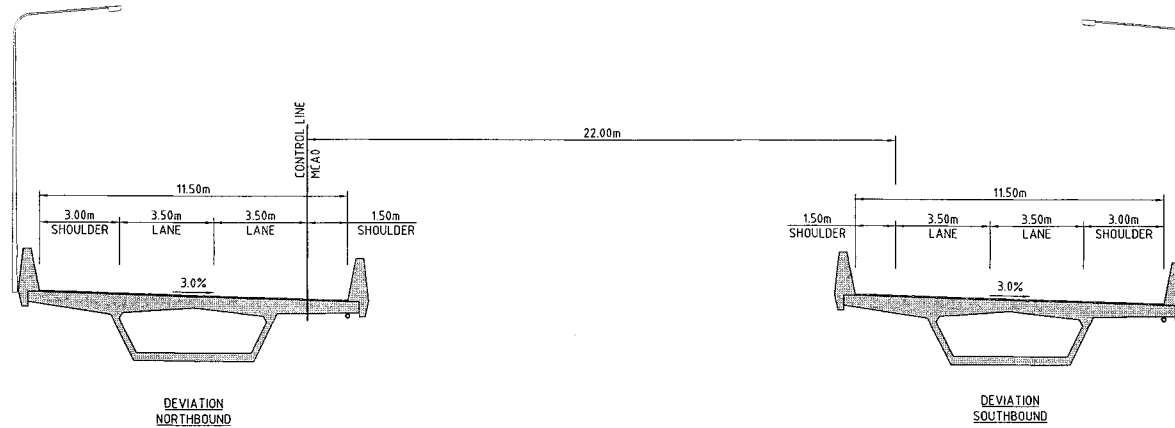
REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 14 OF 18			
Certified	Approved		
RPEQ	3297		

Queensland Government Department of Main Roads	
JOB No.	No.18 of 53 drgs
Drawing No.	TX014
Contract No.	A
CAD REF: CONNELL WAGNER	

REF: 5739_MRR_DET-A1.DGN NAME: mrr.dwg



GATEWAY MOTORWAY
CH24000 (MCA0)
SCALE 1:100



GATEWAY MOTORWAY
CH23100 (MCA0)

NOTE: BRIDGES TO BE DESIGNED TO ALLOW FOR FUTURE WIDENING TO 16.0m (INSIDE OF BARRIERS)
SCALE 1:100
(FOR BRIDGE DETAILS REFER TO BR035 AND BR036)

PRELIMINARY
09-08-2004

Connell Wagner
Department of Main Roads
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Email: carho@connellwagner.com

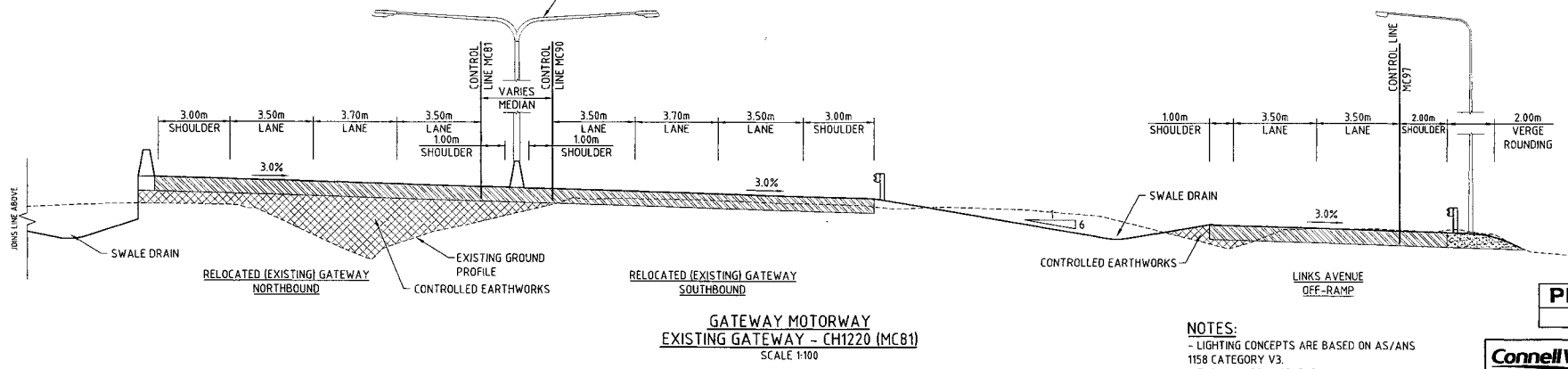
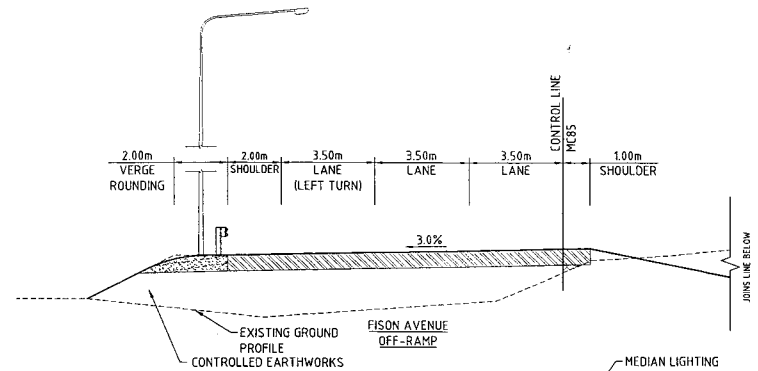
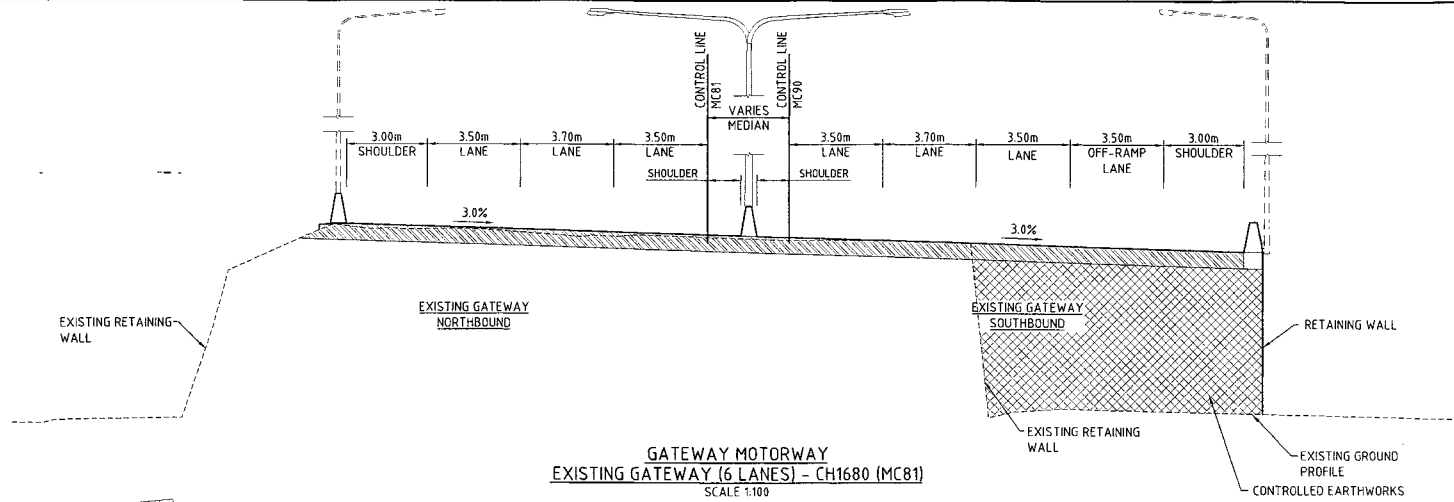
Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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				(Office use only)	1:100	
					1:200	
A	Original issue					

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT					
CTL CHGE CH 5160 to CH 25250					
Reference Points					
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	

REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 16 OF 18									
Survey DMR Ckd	Boys DMR Ckd	Drawn TB Ckd	Design ASM Ckd	Examined <i>[Signature]</i>	Certified <i>[Signature]</i>	Approved			
					RPEQ 3297				

Queensland Government Department of Main Roads	
JOB No.	No.20 of 53 drgs
Drawing No. TX016	
Contract No.	A
CAD REF: CONNELL WAGNER	

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PRELIMINARY
09-08-2004

- NOTES:**
- LIGHTING CONCEPTS ARE BASED ON AS/ANS 1158 CATEGORY V3.
 - TYPICAL ARRANGEMENT IS DUAL OUTREACH.
 - LIGHTS SHOWN DASHED INDICATE STAGGERED ARRANGEMENT.

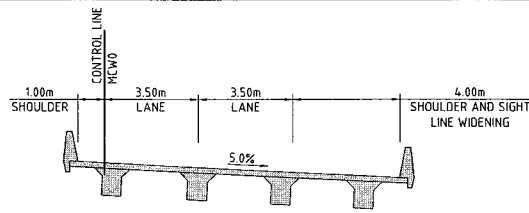
Connell Wagner
Department of Main Roads
Queensland Government
JOB No. No.21 of 53 drgs
Drawing No. TX017
Contract No. A
CAD REF: CONNELL WAGNER

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
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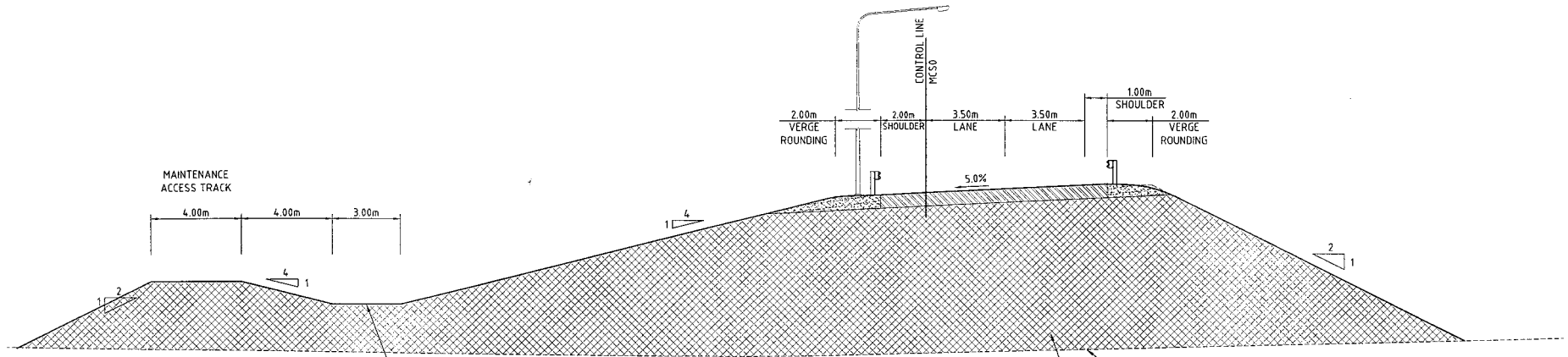
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CTL CHGE CH 5160 to CH 25250							
Reference Points				Survey DMR	Bdys DMR	Drawn TB	Design ASM
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC	Following RPC	Ckd	Ckd	Ckd

Certified	Approved
RPEQ 3297	

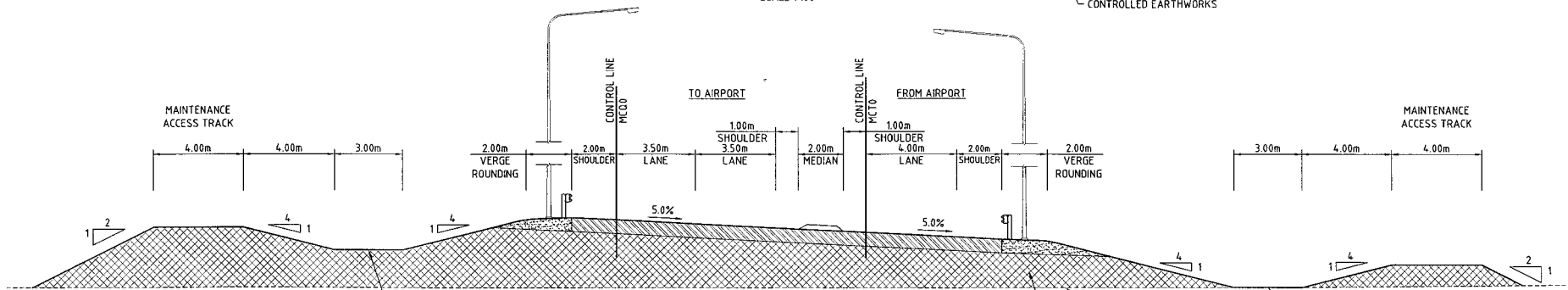
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**GATEWAY MOTORWAY
SOUTHBOUND NORTHERN BIFURCATION BRIDGE (MCW0)**
SCALE 1:100
(FOR BRIDGE DETAILS REFER BR037 AND BR038)



**GATEWAY MOTORWAY
NORTHERN INTERCHANGE SOUTHBOUND OFFRAMP (MCE0)**
SCALE 1:100



**GATEWAY MOTORWAY
NORTHERN INTERCHANGE OFFRAMP (MCQ0)**
SCALE 1:100

PRELIMINARY
09-08-2004

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133 Boundary St. (Lizard St. Bypass) Spring Hill Queensland 4000 Australia Email: conn@connwagner.com

Revisions	Certified	Date	Microfiled	Associated job nos	Dimensions in metres except where shown otherwise. Culvert sizes in millimetres.	Survey books
				Auxiliary drawing nos <td>Scales</td> <td>Through chainage from</td>	Scales	Through chainage from
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					1:200	
A	Original issue			(Office use only)		

BRISBANE CITY COUNCIL GATEWAY UPGRADE PROJECT			
CTL CHGE		CH 5160 to CH 25250	
Preceding RPC	Dist. to start of job (km)	From start to end of job	From end to following RPC

REFERENCE PROJECT TYPICAL CROSS SECTIONS SHEET 18 OF 18			
Survey DMR Ckd	Bdys DMR Ckd	Drawn TB Ckd	Design ASM Ckd
Examined	Certified	Approved	

Queensland Government
Department of Main Roads

JOB No. No22 off53 drgs
Drawing No. TX018

Contract No. A

CAD REF: CONNELL WAGNER

09-08-2004 13:21:13 P:\5160\CON\0905\0905-0804.dwg XREF : 1992_LWP_C18.MXD L001.MXD - mxd