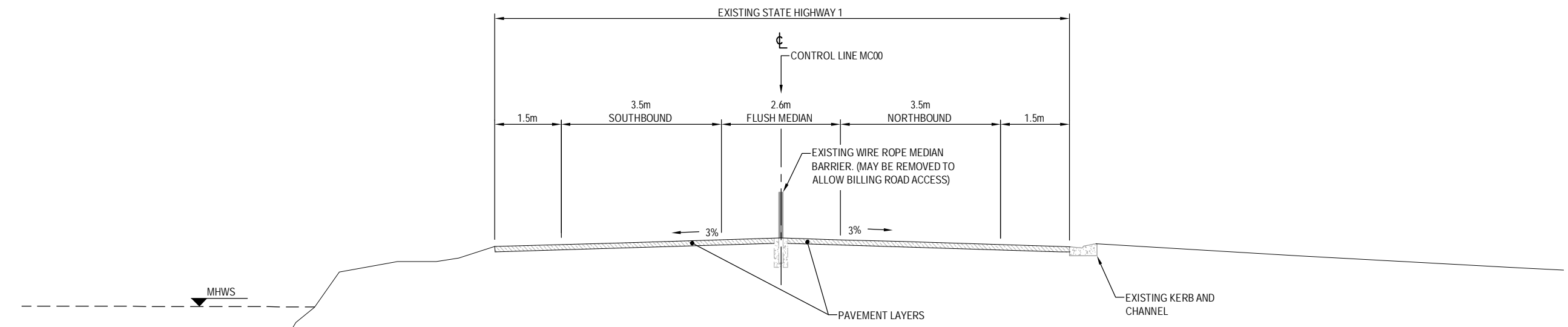
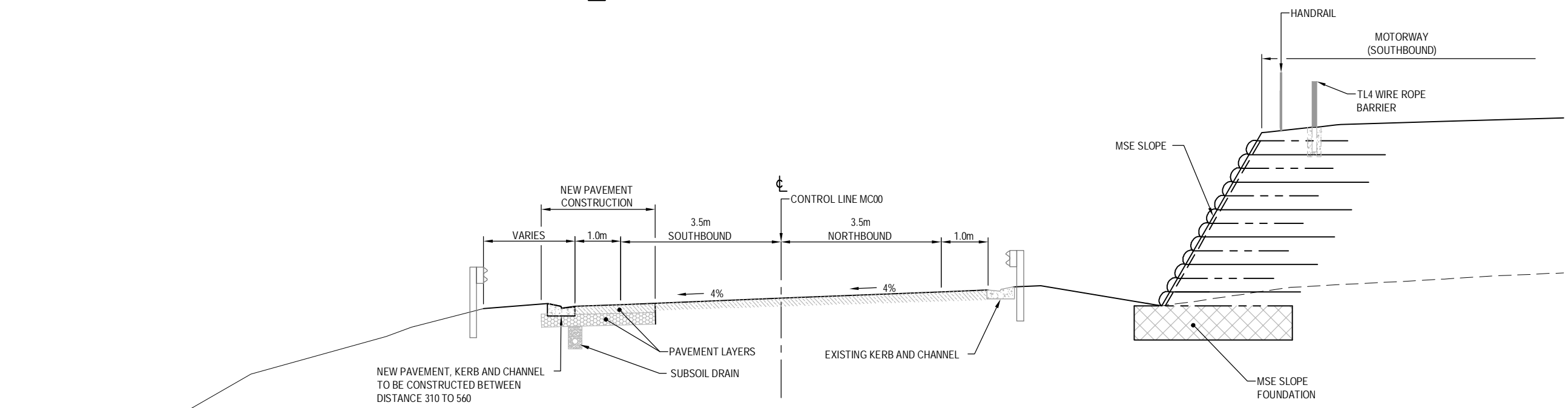


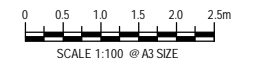
S:\Further North - PAA300 Design\300.5 Technical\01-Drawing Production\CADD\Drawings\AR-221_R-228.dwg Plot Date: 18 August, 2013 - 1:31 PM



A TYPICAL SECTION - NORTH OF TITFORDS BRIDGE
SCALE - 1:100m @ A3 SIZE



B WAIWERA TWO WAY LINK
ON EXISTING OFF RAMP - TYPICAL SECTION
SCALE - 1:100m @ A3 SIZE



AMD	DATE	DESIGN REVIEW	REVD. D. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	RET	MRH	TI	ISSUE FOR NOR / CONSENT

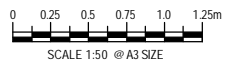
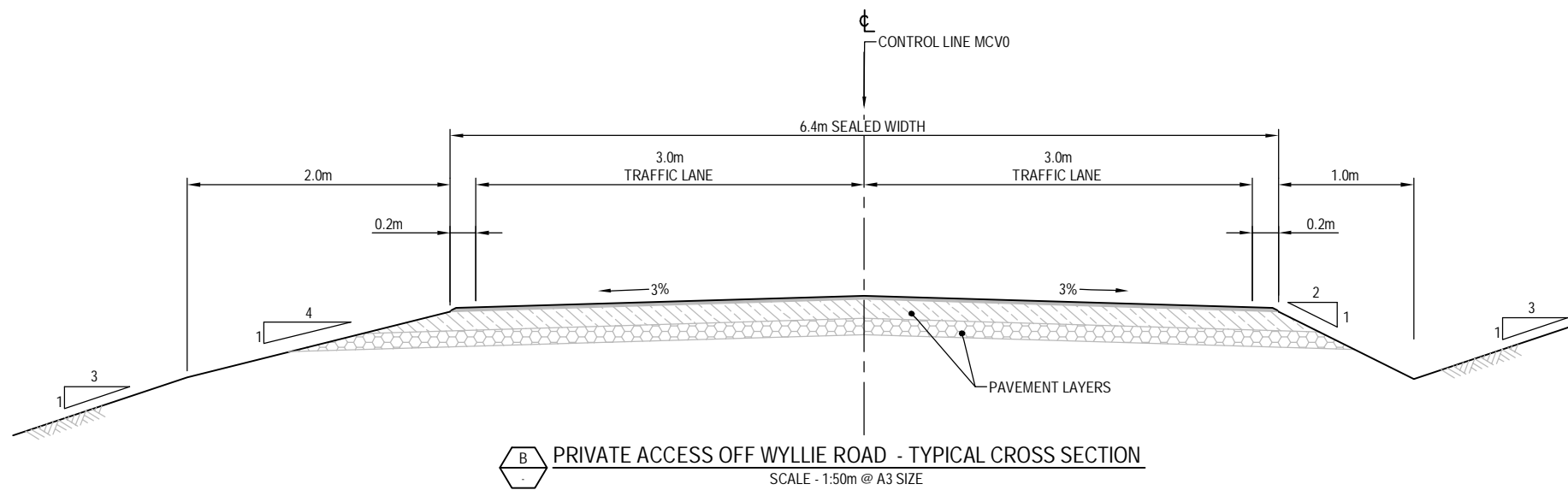
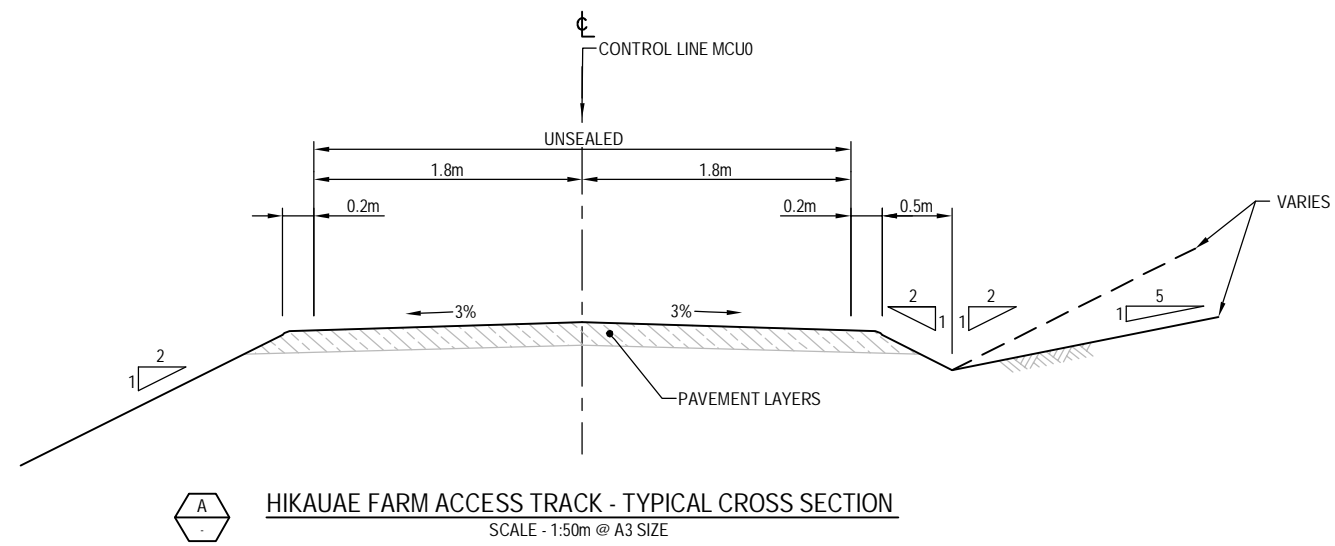


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ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

WAIWERA LINK TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-221	AMDT 0

C:\CAD\Temp\AcPublish\9152\15-221_R-225.dwg Plot Date: 17 August, 2019 - 4:37 PM



AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
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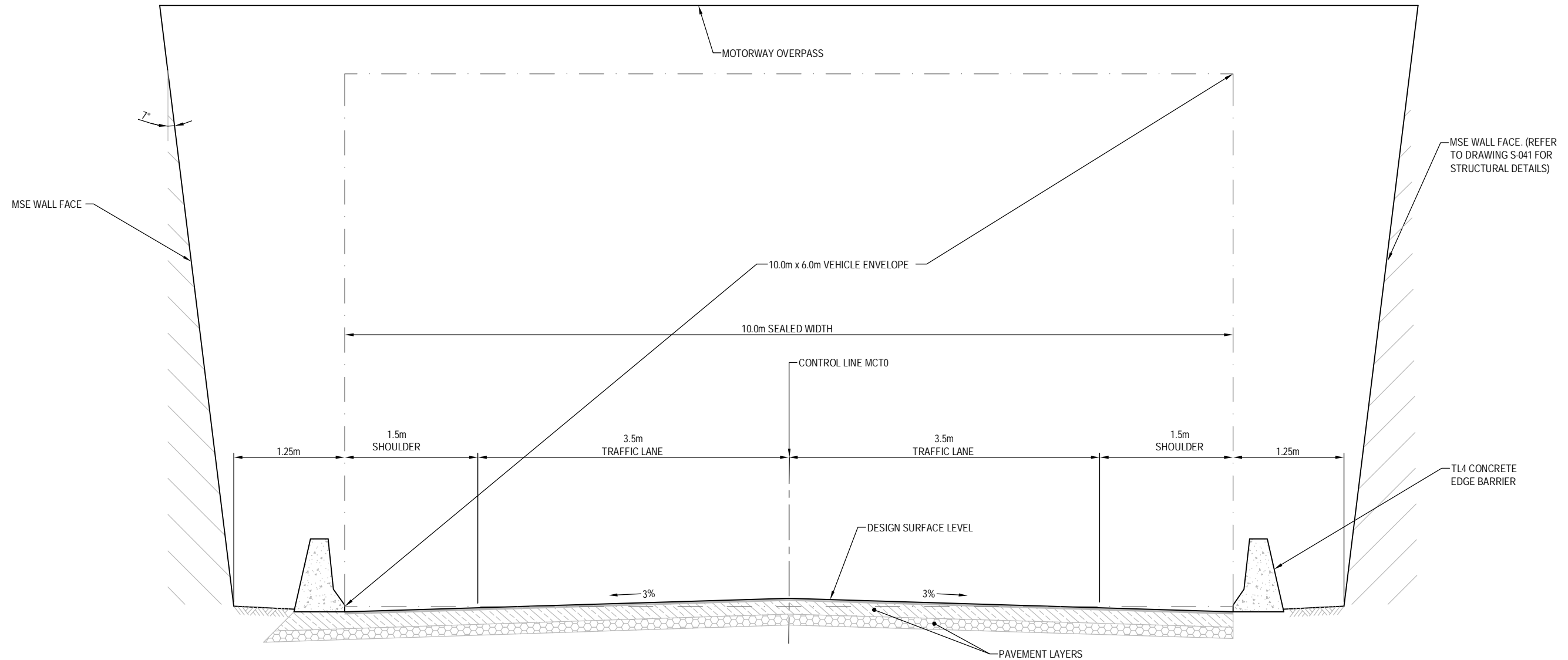


DISCLAIMER
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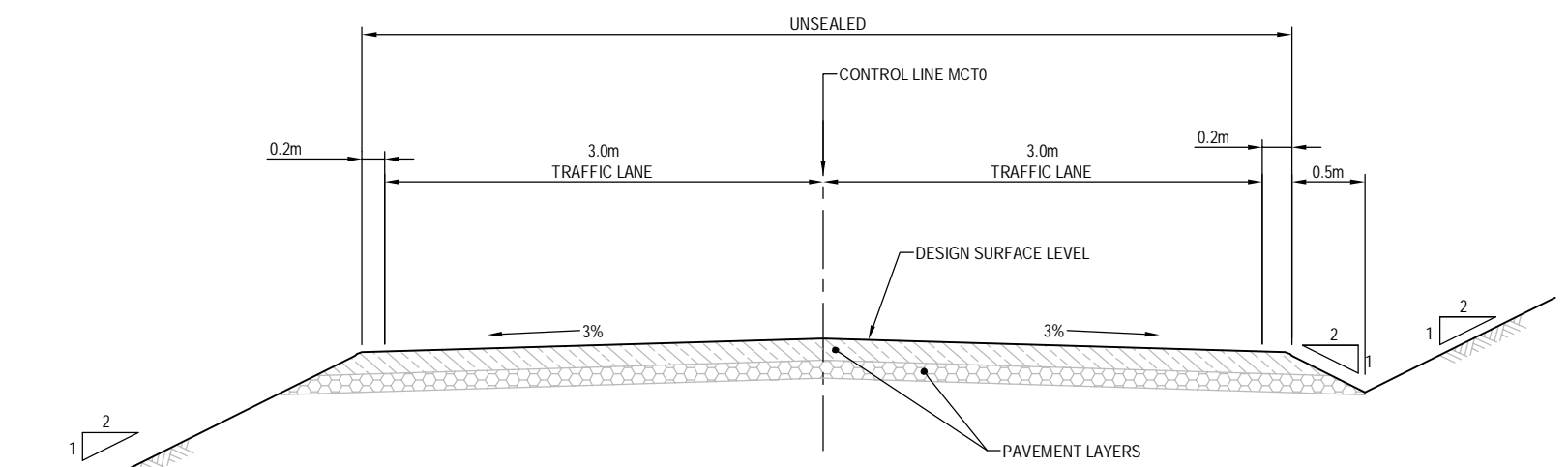
ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

PRIVATE ACCESS ROADS TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-222	AMDT 0

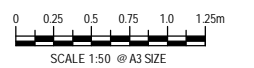
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A TYPICAL CROSS SECTION - OVERPASS
SCALE - 1:50m @ A3 SIZE



B TYPICAL CROSS SECTION - WEST OF OVERPASS
SCALE - 1:50m @ A3 SIZE



AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	RET	MRH	TI	ISSUE FOR NOR / CONSENT

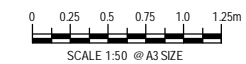
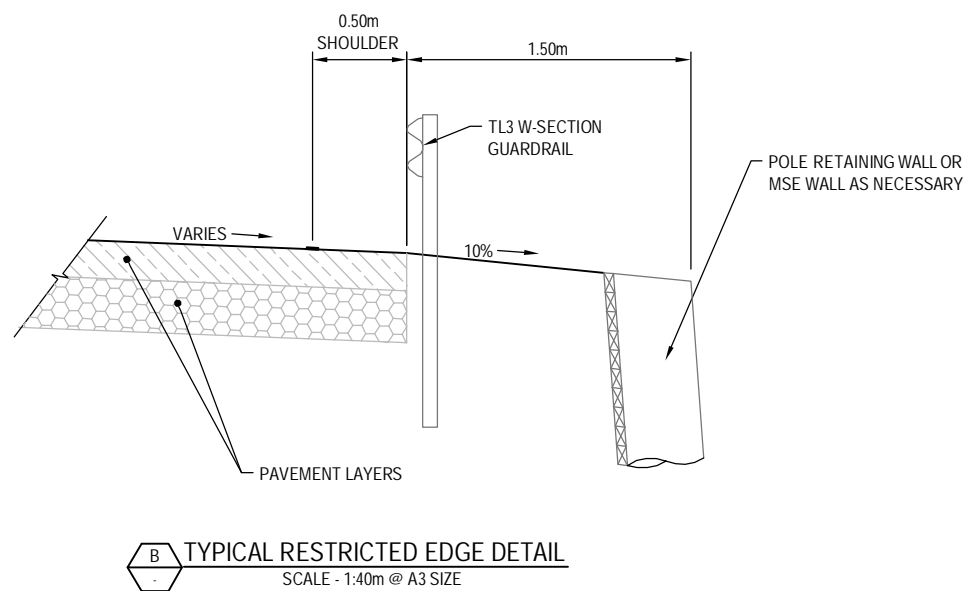
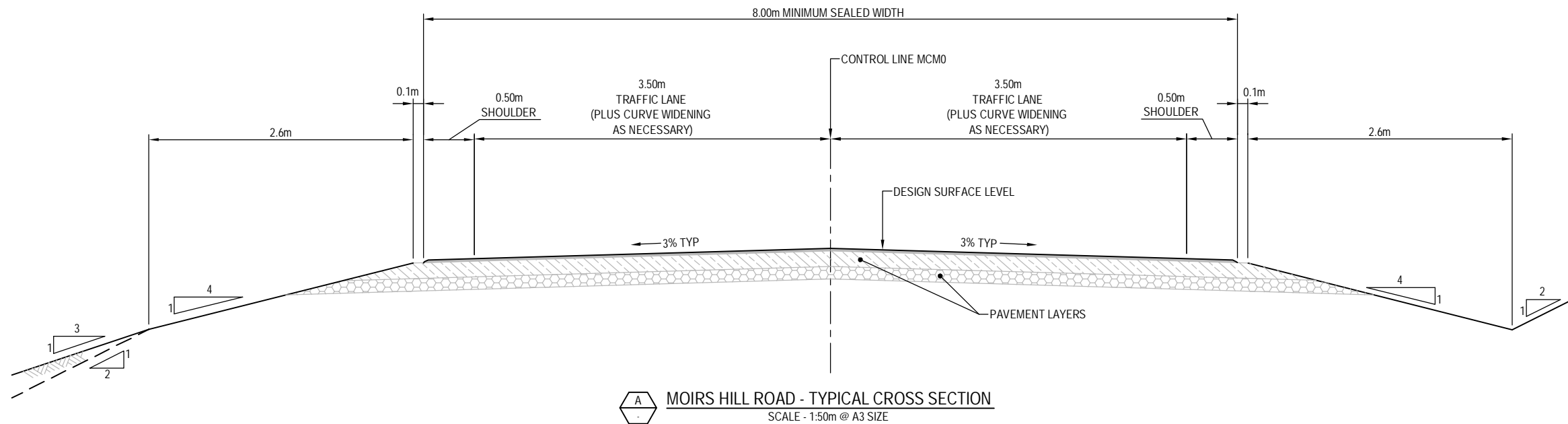


DISCLAIMER
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ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

WATSON ROAD (PRIVATE) TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-223	AMDT 0

S:\Further North - PAA\300 Design\300.5 Technical\01-Drawing Production\CADD\Drawings\R-221_R-228.dwg Plot Date: 19 August, 2013 - 11:30 AM



AMD	DATE	DESIGN REVIEW	REVD. D. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT
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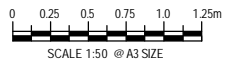
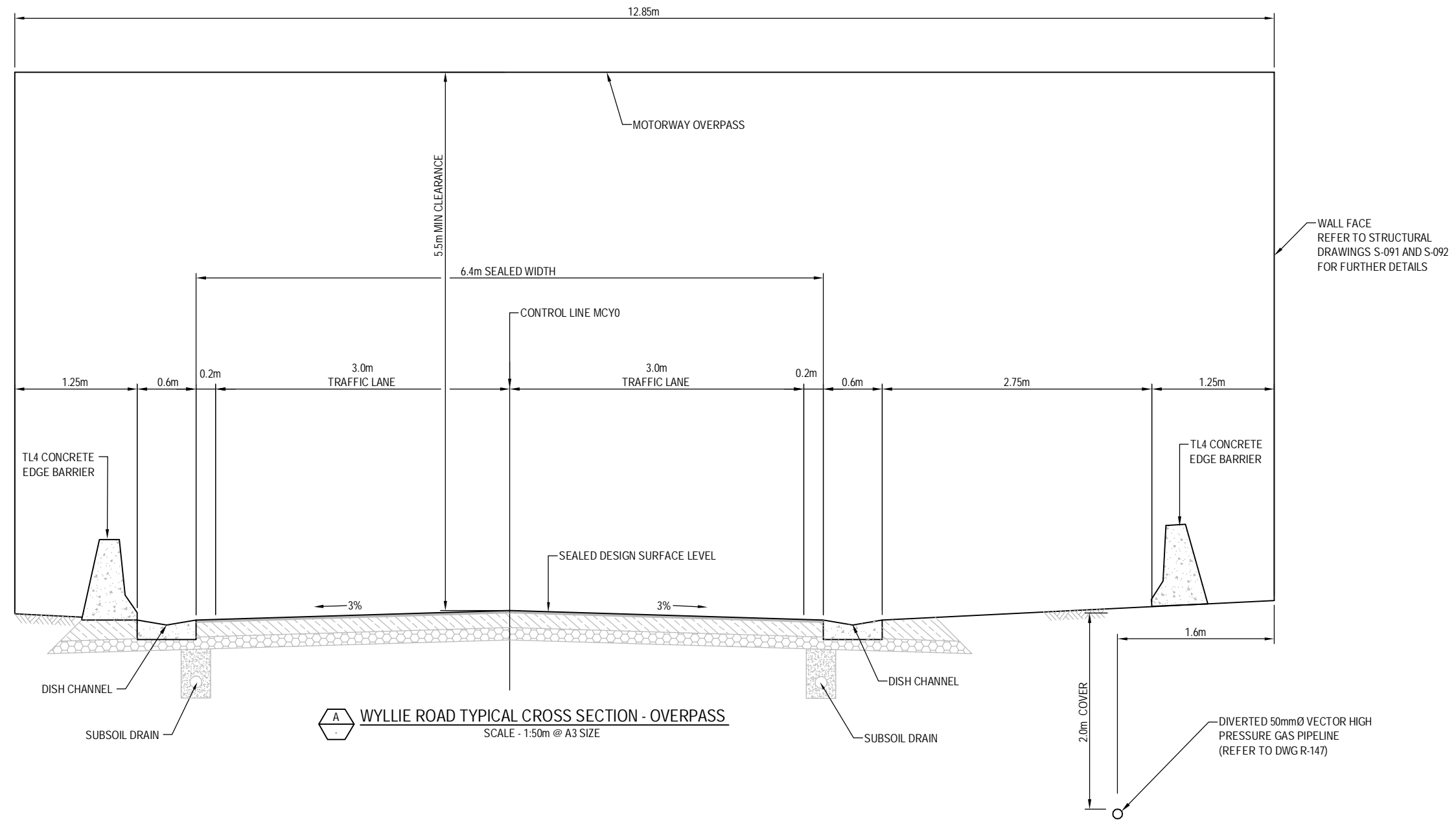


DISCLAIMER
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ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

MOIRS HILL ROAD TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-224	AMDT 0

S:\Further North - PA3300 Design\3300.5 Technical\01-Drawing Production\CADD Drawings\AR-221_R-228.dwg Plot Date: 18 August - 2013 - 3:34 PM



AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
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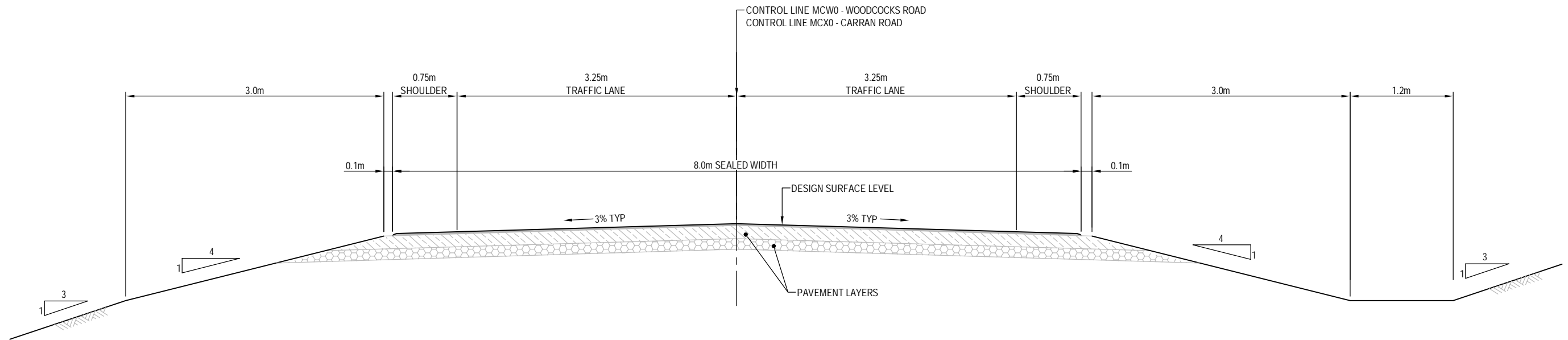


DISCLAIMER
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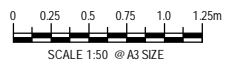
ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

WYLLIE ROAD TYPICAL CROSS SECTION			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-225	AMDT 0

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A WOODCOCKS ROAD & CARRAN ROAD - TYPICAL CROSS SECTION
SCALE - 1:50m @ A3 SIZE



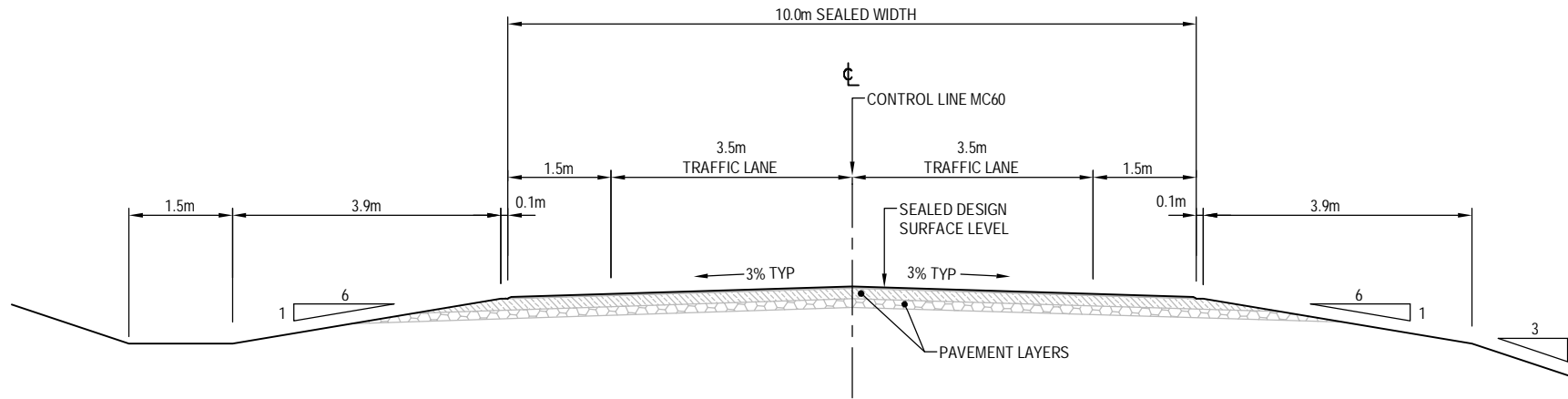
AMD	DATE	DESIGN REVIEW	REVD. B. MGR	APPD. A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	RET	MRH	TI	ISSUE FOR NOR / CONSENT



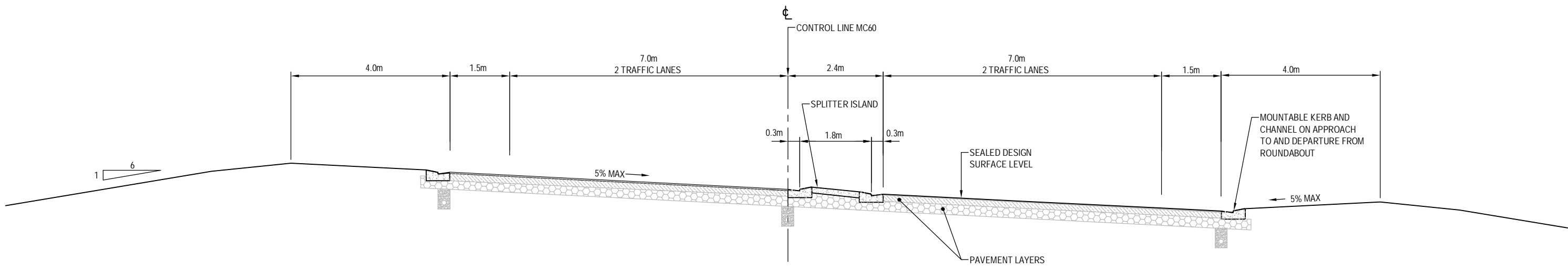
DISCLAIMER
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ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

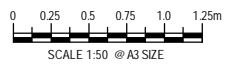
WOODCOCKS ROAD / CARRAN ROAD TYPICAL CROSS SECTION			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-226	AMDT 0



A NORTHERN LINK TO WHANGAREI - TWO TRAFFIC LANES
SCALE - 1:100m @ A3 SIZE



B NORTHERN LINK TO WHANGAREI - FOUR TRAFFIC LANES
SCALE - 1:100m @ A3 SIZE



AMD	DATE	DESIGN REVIEW	REVD D. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	RET	MRH	TI	ISSUE FOR NOR / CONSENT

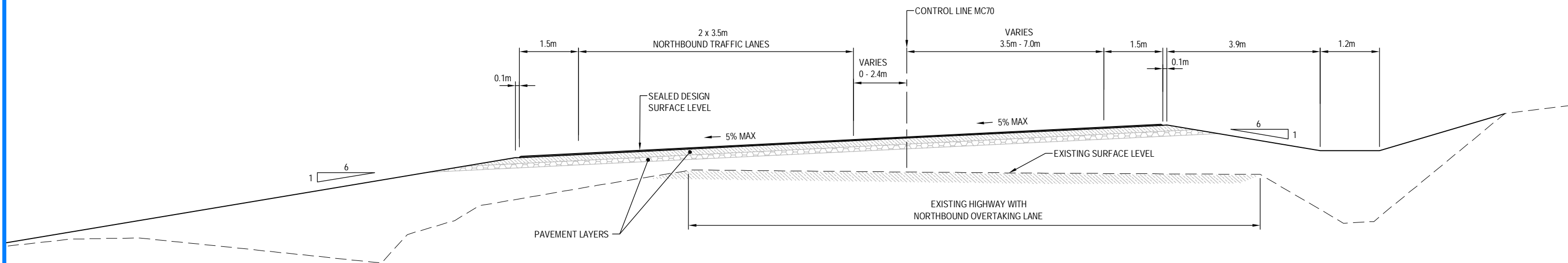


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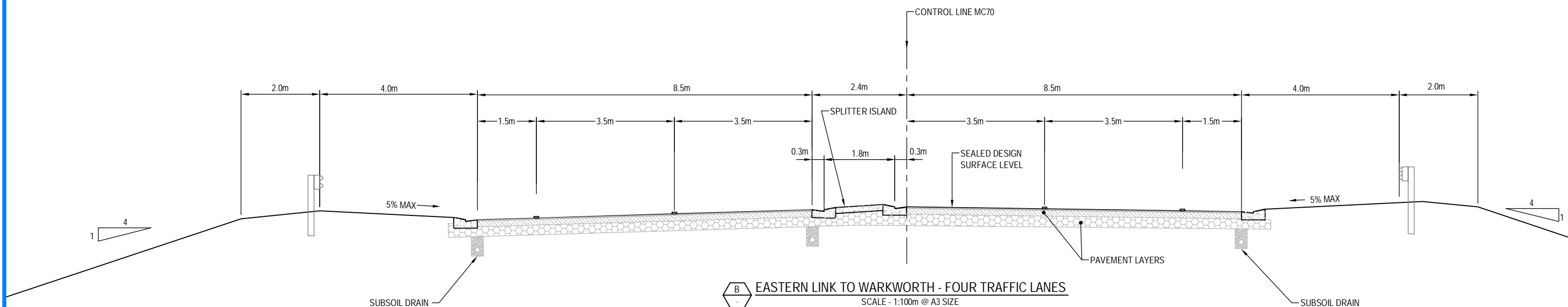
ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

NORTHERN LINK TO WHANGAREI TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-227	AMDT 0

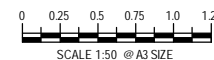
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A EASTERN LINK TO WARKWORTH - THREE LANE FORMATION
SCALE - 1:100m @ A3 SIZE



B EASTERN LINK TO WARKWORTH - FOUR TRAFFIC LANES
SCALE - 1:100m @ A3 SIZE



AMD	DATE	DESIGN REVIEW	REVD B. MGR	APPD A. MGR	PURPOSE OF ISSUE / AMENDMENT
0	30/08/13	RET	MRH	TI	ISSUE FOR NOR / CONSENT



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ARA TŪHONO - PŪHOI TO WELLSFORD			
PŪHOI TO WARKWORTH - FOR RMA APPROVALS			
DRAWN SP / AN	DRAFTING CHECK IH	REVIEWED DISCIPLINE MANAGER MRH	APPROVED ALLIANCE MANAGER TI
DESIGNED IH	DESIGN REVIEW RET		

EASTERN LINK TO WARKWORTH TYPICAL CROSS SECTIONS			
SCALE AS SHOWN	CONTRACT No PA3748	DRAWING No R-228	AMDT 0