NORTH

CURVE RADIUS = 200m.
PROVIDE CURVE
WIDENING OVER
APPROXIMATELY 112m

CURVE RADIUS = 61m.
PROVIDE CURVE
WIDENING OVER
APPROXIMATELY 104m

CURVE RADIUS = 148m.
PROVIDE CURVE
WIDENING OVER
APPROXIMATELY 134m

SEATONVILLE ROAD TO BE UPGRADED TO PROVIDE
2 No. 3.0m LANES AND 1.0m SHOULDERS. LANES
AND SHOULDERS TO BE UNSEALED

SEATONVILLE ROAD

REFER SY17238-P7 FOR DETAIL

STRENGTHEN WATERWAY
STRUCTURE

WIDENING LOCATION 1
MARYVALE ROAD TO BE WIDENED
TO FACILITATE PASSING OF TWO
SEMI-TRAILERS.
CURVE RADIUS = 450m.
APPROXIMATE LENGTH OF
WIDENING = 144m

WIDENING LOCATION 2
MARYVALE ROAD TO BE WIDENED
TO FACILITATE PASSING OF TWO
SEMI-TRAILERS.
CURVE RADIUS = 150m BACK TO
BACK. APPROXIMATE LENGTH OF
WIDENING = 208m

MARYVALE ROAD TO
REMAIN UNSEALED

MARYVALE ROAD

WIDENING LOCATION 3
MARYVALE ROAD TO BE WIDENED
TO FACILITATE PASSING OF TWO
SEMI-TRAILERS.
CURVE RADIUS = 97m.
APPROXIMATE LENGTH OF
WIDENING = 138m

WIDENING LOCATION 4
MARYVALE ROAD TO BE WIDENED
TO FACILITATE PASSING OF TWO
SEMI-TRAILERS.
CURVE RADIUS = 79m.
APPROXIMATE LENGTH OF
WIDENING = 129m

REFER SY17238-P5 FOR DETAIL

COBBORA ROAD

MITCHELL HIGHWAY

NOTE:
PROVIDE CURVE WIDENING IN ACCORDANCE
WITH FIGURE 4.10 AND TABLE 4.7

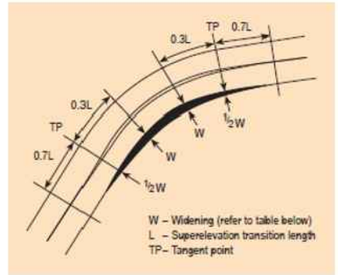

Figure 4.10 Lane widening on horizontal curves

Table 4.7 Road widening requirements

Curve radius (m)	Total amount of traffic lane widening (w) where the normal width of two traffic lanes is			
	6.0 m	6.5 m	7.0 m	7.5 m
30–50	2.0	1.5	1.5	1.0
50–100	1.5	1.0	1.0	0.5
100–250	1.0	1.0	0.5	
250–750	1.0	0.5		

Source: Transit New Zealand (2006).

REFERENCE FILES ATTACHED:

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DRAWING REVISION HISTORY

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SCALE IN METRES - 1:10000

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MARYVALE RD / SEATONVILLE RD INTERSECTION
19m SEMI TRAILER SWEPT PATH ANALYSIS

DATUMS: AHD / MGA

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SCALE IN METRES - 1:500

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COBBORA RD / MARYVALE RD INTERSECTION
19m SEMI TRAILER SWEPT PATH ANALYSIS

DATUMS: AHD / MGA

CLIENT No. -

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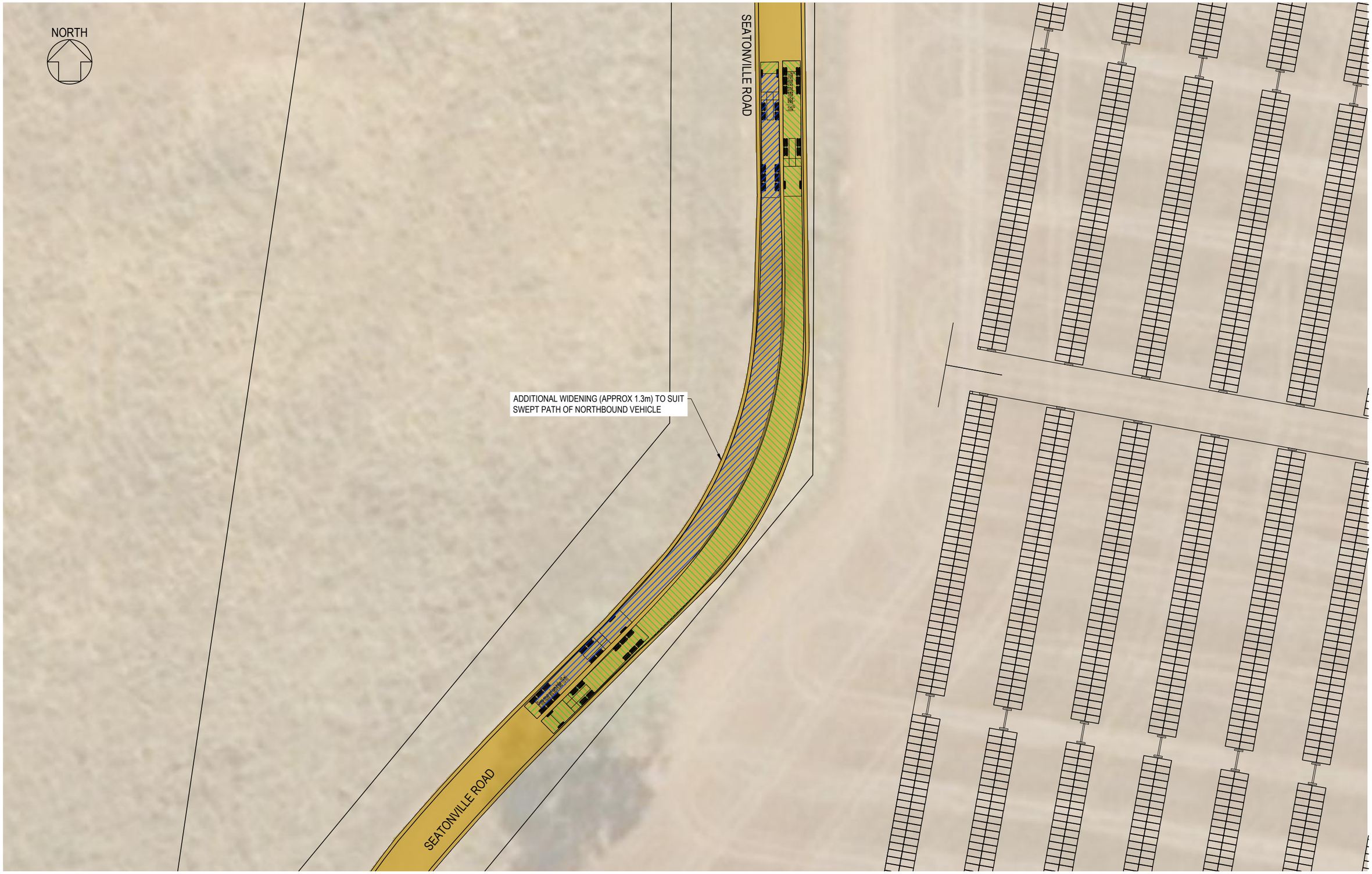

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SEATONVILLE ROAD RE-ALIGNMENT
19m SEMI TRAILER SWEPT PATH ANALYSIS

DATUMS: AHD / MGA

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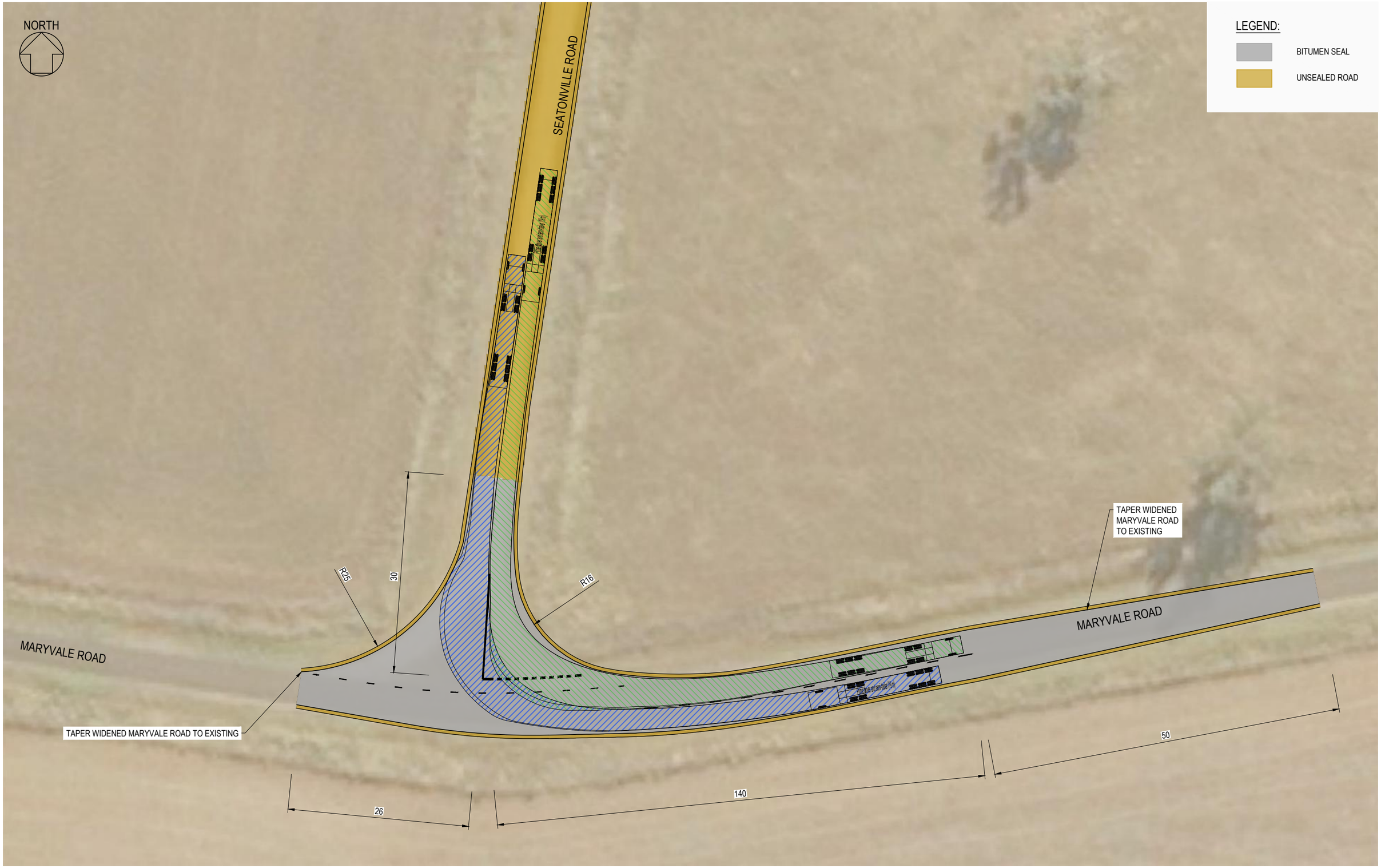

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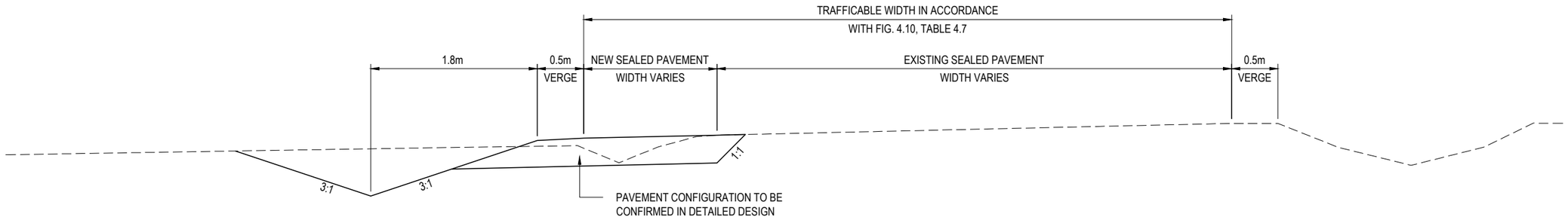
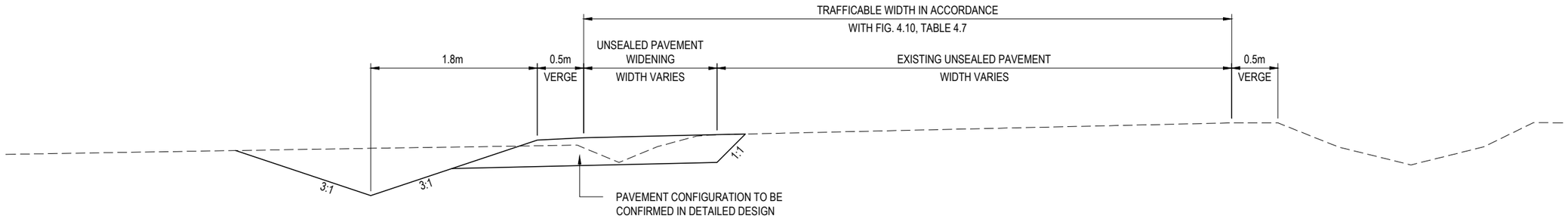


WIDENING LOCATION 1 - TYPICAL CROSS SECTION

SCALE 1:50



WIDENING LOCATIONS 2, 3 AND 4 - TYPICAL CROSS SECTION

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0.5 0 0.5 1 1.5 2

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DATUMS: AHD / MGA

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