

















LEGEND

Surfacing Material

Run of Quarry Material

NOTES

- All dimensions in metres unless noted otherwise.
   Locations for animal crossings will be identified by Land Owner and Elders once road construction is
- completed.

  Notes in this drawing apply to all other active drawings.

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HOPE BAY PROJECT

1CT022.001

Madrid South All-Weather Road DRAWING TITLE:

> **Animal Crossings** Plan and Sections

SHEET REVISION NO. MSR-09

## **Materials List and Quantity Estimates**

Item	Quantity / Area / Volume	Description		
1. Culverts	4 (Estimated) (Dependant Final Crossing Selected)	AIL Corrugated Steel Pipe 68x13 corrugated profile 1000 mm diameter and 1.6 mm thick Length = 30480 mm per culvert		
2. Run of Quarry Material	Road: 63,664m³ Turnouts (15): 4,140m³ Total: 67,804m³	Approximate In-Place Neat-line Volume (3D volume based on Civil 3D surfaces - no allowance has been made for losses and/or tundra embedment)		
3. Surface Grade Material	Road: 5,604m <sup>3</sup> <u>Turnouts (15): 360m<sup>3</sup></u> Total: 6,564m <sup>3</sup>	Approximate In-Place Neat-line Volume		
4. Geotextile	600m to 800m (Estimated)	12 oz non-woven		

## **Tolerances on Road Material Placement:**

	Location	Fill (mm)	Excavation (mm)		
	Vertical Tolerance on Roads	0 to +75	n/a		
Ì	Horizontal Tolerance on Roads	-150 to +150			

Note: Grade shall not be uniformly high or low.

 
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Original Drawings Stamped and Signed by Engineer

<b>srk</b> consulting						
DESIGN: JK	DRAWN: NV	REVIEWED: EMR				
CHECKED: LW	APPROVED: EMR	DATE: August 5, 2014				

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Madrid South All-Weather Road DRAWING TITLE:

Material List and Quantity Estimates

MSR-16

SHEET REVISION NO.
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