Tagish Engineering Ltd.

Residential Crossing Specification

1. RESIDENTIAL CROSSINGS

.1 Definition

"Residential Crossing" means the driveway to a property from a Summer Village roadway having drainage ditches.

.2 Residential Crossing Agreement

A "Residential Crossing Agreement" between the Summer Village and the property owner shall be obtained and executed prior to any work being performed.

.3 General

All residential crossings shall be constructed to conform to the following minimum Specifications and Standard Drawings unless prior, written approval is obtained from the Summer Village's Engineer or his representatives or appointee, for construction to alternate standards.

a) The Residential crossing shall be constructed at right angles to the tangent of the Summer Village road;

b) A minimum grade of minus 10 percent and a maximum of plus 10 percent shall be maintained along the residential crossing from the shoulder edge of the intersecting Summer Village road to the property line;

c) The Applicant shall be responsible for all utility locations and any costs for repair and/or relocation of utilities arising out of the construction of the residential crossing.

d) The minimum requirements for culverts, where they are required to be installed, shall be:

i) 450 mm diameter
ii) galvanized corrugated metal pipe with 3:1 tapered ends for local roads and 4:1 tapered ends for collector and/or major roads
iii) 1.6 mm wall thickness

NOTE: A CORRUGATED POLYETHYLENE PIPE OF EQUIVALENT STRENGTH MAY BE USED ON APPROVAL FROM THE SUMMER VILLAGE'S ENGINEER.

Culverts shall be installed along the Summer Village ditch bottom in such manner that the existing drainage along the ditch is maintained. A larger diameter culvert may be required when drainage conditions dictate as determined by the Summer Village's Engineer.

e) There shall be a minimum cover equal to the diameter of the culvert over the culvert;

f) The residential crossing sideslopes shall be 4:1 on local roads and 5:1 on collector and/or major roads

g) Prior to any fill material being placed for the new residential crossing, all organic or otherwise deleterious materials shall be removed. The fill used for construction of the residential crossing shall not contain any organic, frozen or otherwise deleterious materials and shall be compacted to a minimum of 95% of Standard Proctor Density;

h) The finished traveling surface of the residential crossing shall be crowned and shall be a minimum of 6.7 metres in width;

i) The full width of the residential crossing, from the shoulder of the Summer Village Road to the property line, shall be constructed to be equivalent to, or better than the standard of the abutting road;

j) Any damage to Summer Village property, including utilities and road surface shall be repaired at the expense of the applicant;

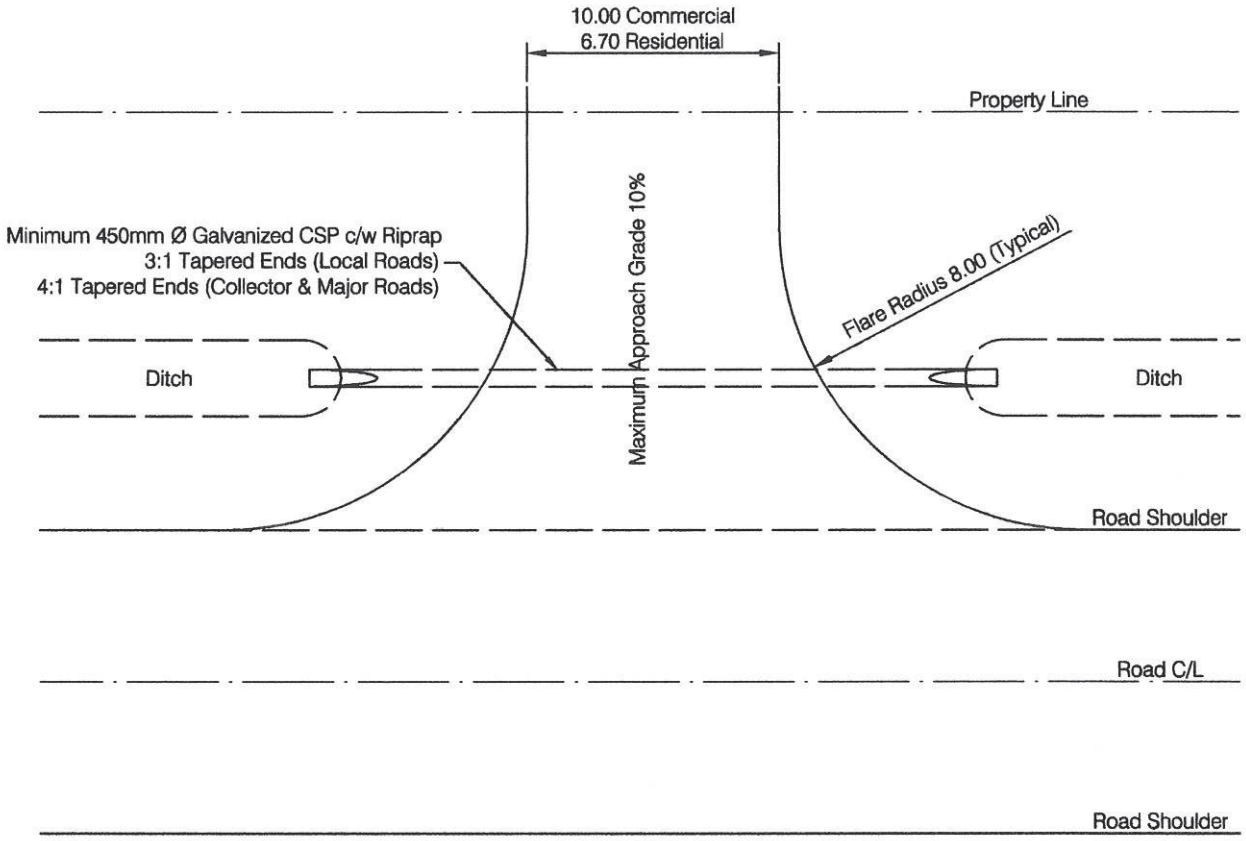
k) Any disturbed areas in the ditch shall be reclaimed including seeding and removal of rocks larger than 75 millimetres.

.2 Inspection

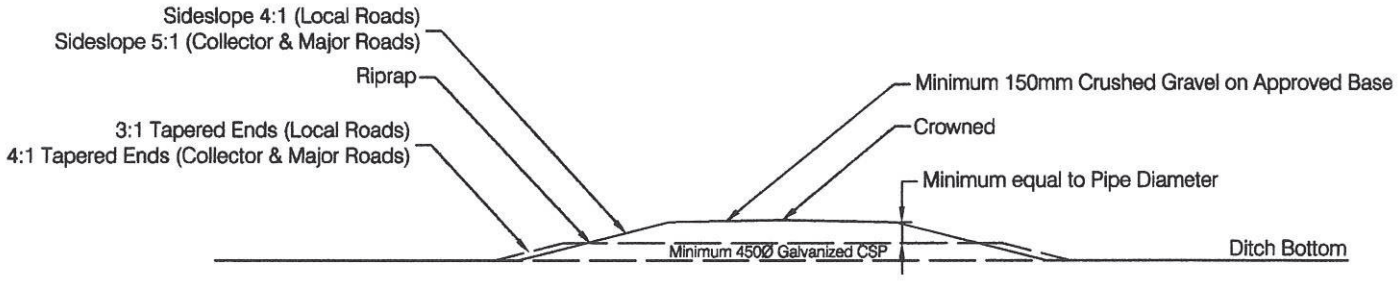
The Summer Village Administration office shall be notified within 72 hours of the completion of the residential crossing. An inspection will then be conducted to ensure compliance with these specifications.

.3 Maintenance

The construction of a residential crossing is for the sole benefit of the applicant. The applicant is therefore responsible for the maintenance of the residential crossing including the maintenance and cleaning of the culvert.



1/1 Plan
1:200



2/1 Typical Cross Section
1:200

NOTE: All dimensions are metres unless otherwise noted.

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Client: Summer Village

Project: TYPICAL RURAL CROSSING

PLAN & CROSS SECTION

Drawn:	DJO	Scale:	As Shown
Designed:		Date:	
Checked:		File No.:	
Approved:		Project No.:	

1/1