

PERMIT# _____



DISTRICT OF KITIMAT

CULVERT INSTALLATION PERMIT APPLICATION

LOT : _____
 BLOCK : _____
 ADDRESS : _____

OWNER'S NAME : _____
 ADDRESS : _____
 PHONE No. : _____

YOUR ATTENTION IS DRAWN TO THE FOLLOWING EXCERPT FROM THE MUNICIPAL CODE, SECTION 9.10.4.8

(8) *No culverts shall be installed on any highway without first obtaining a permit from the Municipal Engineer which will indicate required culvert type, size and grades. Installation shall be in accordance with the District of Kitimat Engineering construction specifications and the permit. Illegal installations shall be subject to correction or removal at the owner's expense as determined by the Municipal Engineer.*

<u>LOCATION PLAN*</u> *to be completed by the applicant.	<u>TO BE COMPLETED BY</u> <u>DISTRICT OF KITIMAT</u>																								
<p style="margin-left: 20px;"> D₁ = _____ metres D₂ = _____ metres L = _____ metres </p>	<div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"> PIPE INVERT </div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>Road Chainage @ A</td> <td>=</td> <td>_____</td> <td>metres</td> </tr> <tr> <td>Invert Elevation @ A</td> <td>=</td> <td>_____</td> <td>metres</td> </tr> <tr> <td>Invert Elevation @ B</td> <td>=</td> <td>_____</td> <td>metres</td> </tr> <tr> <td>Culvert Grade</td> <td>=</td> <td>_____</td> <td>%</td> </tr> <tr> <td>Culvert Type</td> <td>=</td> <td>_____</td> <td></td> </tr> <tr> <td>Culvert Diameter</td> <td>=</td> <td>_____</td> <td>mm</td> </tr> </table>	Road Chainage @ A	=	_____	metres	Invert Elevation @ A	=	_____	metres	Invert Elevation @ B	=	_____	metres	Culvert Grade	=	_____	%	Culvert Type	=	_____		Culvert Diameter	=	_____	mm
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Culvert Grade	=	_____	%																						
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Culvert Diameter	=	_____	mm																						

NOTES:

1. All elevations are to Kitimat Datum in town and Geodetic Datum in Cablecar.
2. Engineering Department will set reference hubs for the culvert. These reference hubs are to be preserved until final inspection by the Engineering Department. If the hubs are disturbed before final inspection, they shall be replaced at the expense of the Permit Applicant.
3. The Applicant shall notify the Engineering Department when culvert installation will take place in order to facilitate inspection.

Permit applied for by _____ Applicant's Signature _____ Date _____

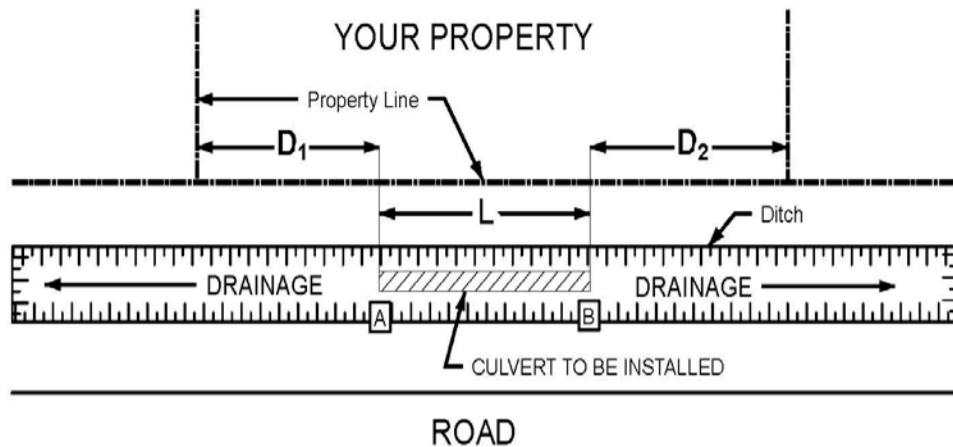
Permit issued by _____ Municipal Engineer _____ Date _____

Distribution:

1. Engineering Clerk
2. GIS Map Technician
3. Engineering Technologist
4. Applicant
5. Copy Bldg. Inspection – Lot & Block
6. File 2.9.3.8

CULVERT INSTALLATION INSTRUCTIONS

1. DIAGRAM

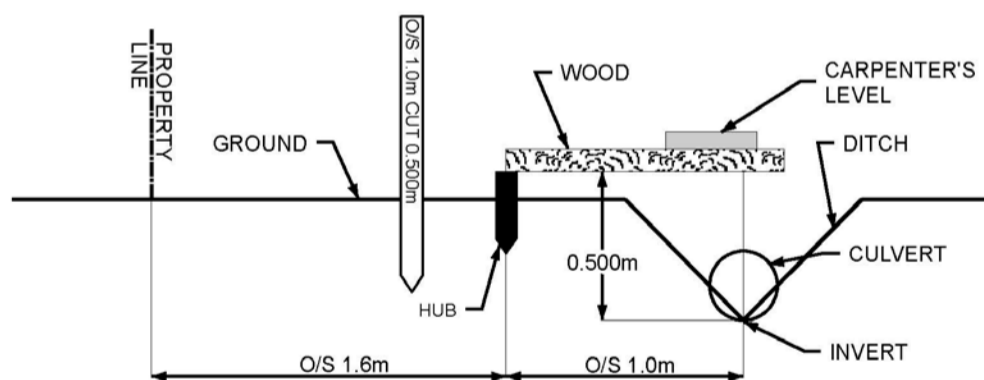


2. To properly install a culvert, one must understand the stakes and the information on them. The hubs (smaller stakes) are set at the points along the frontage of the property on the road right-of-way according to the permit applied for at the District of Kitimat.

The information on the stakes near the hubs will read: "O/S 1.0 m, cut 0.500 m".

Offset (O/S) means that the culvert centre line is to be installed 1.0 metres away (towards the road) from the hub. Cut 0.500 m: indicates the depth of the culvert required, at the invert of the culvert. Invert means bottom of the culvert. The precise invert can be attained easily by using two basic tools; a carpenter's level and a metric tape. A 1.5 metre piece of wood with a straight edge used as illustrated will help.

The O/S of one metre is not critical, but as close as possible would be appreciated.



*Please Note: The hubs and measurements are to assure proper drainage for each owner in your area. If you have any questions please call the Engineering Department at the District of Kitimat, 250-632-8900.