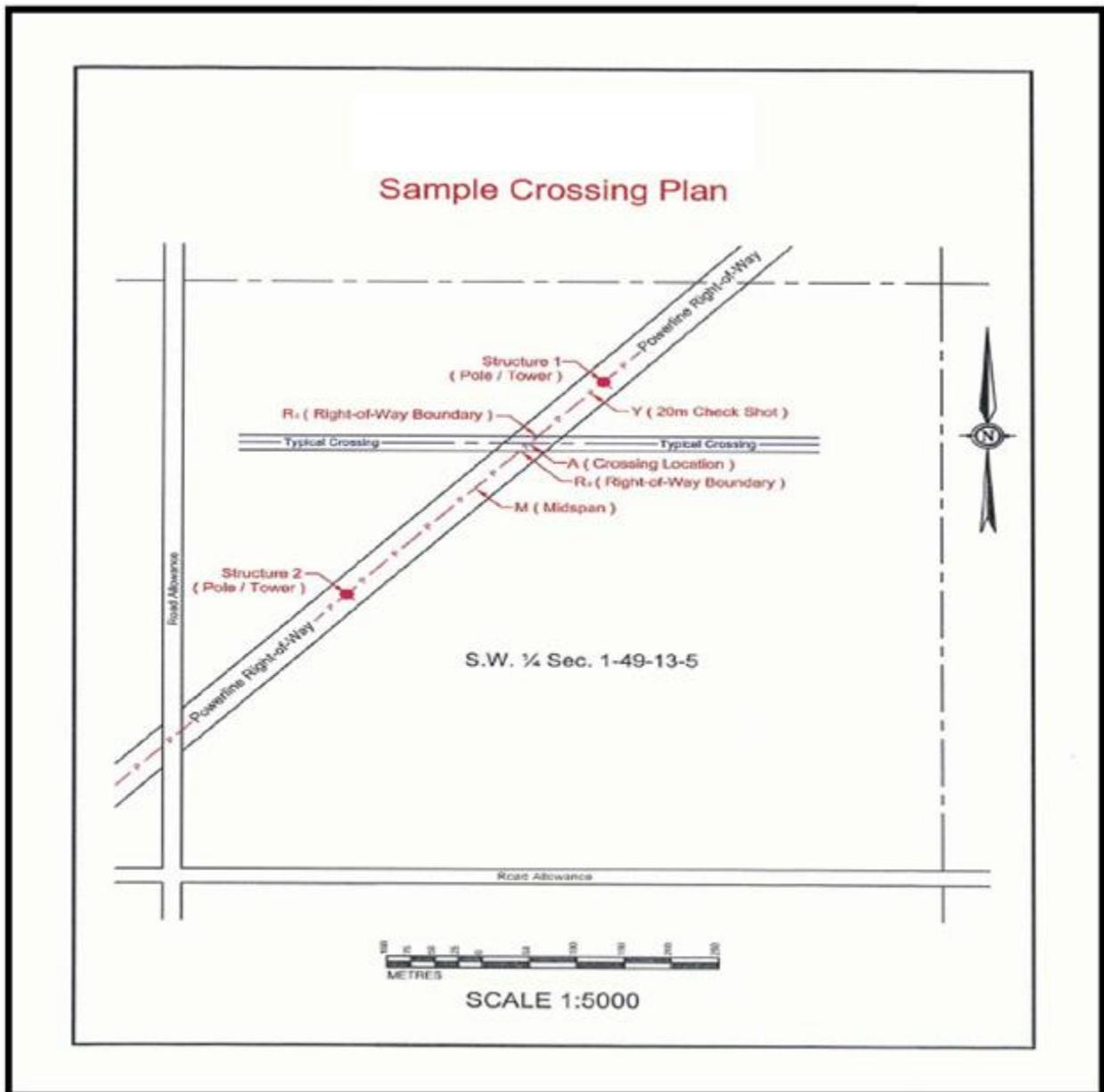


The following includes samples information that BHE Canada suggests that you include as part of your ROW Use Application or Proximity Notification. These samples were gathered based on previous applications and notifications. BHE Canada may require additional information and will follow-up during the review process if necessary.

Type of Work	Suggested Sections
Underground pipeline crossing	A, B
Above ground pipeline crossing	A, B, C
Underground cable crossing	A, B
Above ground cable crossing	A, B, C
Road crossing	A, B
Underground power line crossing	A, B
Aboveground power line crossing	A, B, D
Fence crossing	A, B, C
Pathway crossing	A, B
Any other crossing	A, B
Pumping station/metering station/riser site encroachment	B, C
Power line proximity	D
Well site proximity	E
Pipeline/cable proximity	F, G (required if BHE Canada's minimum requirements are not fulfilled)
Any road proximity	H
Log deck proximity	I
Traffic light/signal proximity	J, K
Riser site/metering station proximity	L
Building/house proximity	M, N (required if house is proposed within BHE Canada's power line setback box)
Traffic light/signal encroachment	J, K
Temporary workspace proximity	O
Road widening	P
Any other proximity	Plan

SECTION A

This section shows a sample crossing plan which should be submitted for each crossing request. The crossing plan should have clear identification of proposed facility in relation to the location of the existing BHE Canada facility. We request that the applicant provide tag numbers of BHE Canada's power pole and distances to the crossing location.



- POWER POLE/TOWER (1) TAG# (e.g.904L76)
- POWER POLE/TOWER (1) DIRECTION: East/West/North/South
- POWER POLE/TOWER (2) TAG# (e.g.904L76)
- POWER POLE/TOWER (2) DIRECTION: East/West/North/South



**CROSSINGS, ENCROACHMENTS & PROXIMITIES
SAMPLE INFORMATION GUIDE**

DISTANCES FROM POWER POLE/TOWER TO EDGE OF PROPOSED RIGHT OF WAY: _____metres

NOTE:

- A minimum separation of 5 metres is required between all BHE Canada's power poles, anchors and any soil disturbance.
- A minimum separation of 10 metres is required between all BHE Canada's towers, anchors and any soil disturbance.

SECTION B

This section shows a sample survey data sheet which we suggest to submit with each crossing request. Blank copies of survey data sheets are available [here](#).

Sample Surveyor Data Sheet

<p>Location: <u>S.W. ¼ Sec. 1-49-13-5</u></p> <p>Client: <u>Typical Anything Crossing Ltd.</u></p> <p>Surveyor: <u>Sundog Surveys</u></p> <p>Surveyor File Number: <u>SDGS001</u></p> <p>Crossing Type: <input type="checkbox"/> Pipeline <input type="checkbox"/> Access Road <input checked="" type="checkbox"/> Other <u>Cable RW</u></p> <p>Proposed Grade change at crossing location: <u>0</u> m</p> <p>Date: <u>June 10, 2008</u></p> <p>Time: <u>1:41 pm</u></p> <p>Ambient Temperature: <u>+14°C</u></p> <p>Weather Conditions: <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Cloudy</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Chainage*</th> <th style="text-align: left;">Ground Elevation</th> <th style="text-align: left;">Lowest Conductor*</th> <th></th> </tr> </thead> <tbody> <tr> <td><u>0+000</u></td> <td><u>100.0</u></td> <td><u>121.0</u></td> <td>S₁ Structure 1</td> </tr> <tr> <td><u>0+200</u></td> <td><u>101.75</u></td> <td><u>116.5</u></td> <td>M Midspan</td> </tr> <tr> <td><u>0+089</u></td> <td><u>101.3</u></td> <td><u>119.8</u></td> <td>R₁ Right-of-Way Boundary</td> </tr> <tr> <td><u>0+116</u></td> <td><u>101.2</u></td> <td><u>119.0</u></td> <td>A Crossing Location</td> </tr> <tr> <td><u>0+144</u></td> <td><u>101.1</u></td> <td><u>118.2</u></td> <td>R₂ Right-of-Way Boundary</td> </tr> <tr> <td><u>0+400</u></td> <td><u>102.5</u></td> <td><u>123.5</u></td> <td>S₂ Structure 2</td> </tr> <tr> <td><u>0+020</u></td> <td><u>100.3</u></td> <td><u>120.1</u></td> <td>Y 20m Check Shot</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Extra 2</td> </tr> </tbody> </table> <p>Measurements MUST be taken from final grade to lowest POINT of CONDUCTOR at EACH LOCATION.</p> <p>NOTE: A minimum of 7 measurements required. Measurements to be taken to the centimetre.</p>	Chainage*	Ground Elevation	Lowest Conductor*		<u>0+000</u>	<u>100.0</u>	<u>121.0</u>	S ₁ Structure 1	<u>0+200</u>	<u>101.75</u>	<u>116.5</u>	M Midspan	<u>0+089</u>	<u>101.3</u>	<u>119.8</u>	R ₁ Right-of-Way Boundary	<u>0+116</u>	<u>101.2</u>	<u>119.0</u>	A Crossing Location	<u>0+144</u>	<u>101.1</u>	<u>118.2</u>	R ₂ Right-of-Way Boundary	<u>0+400</u>	<u>102.5</u>	<u>123.5</u>	S ₂ Structure 2	<u>0+020</u>	<u>100.3</u>	<u>120.1</u>	Y 20m Check Shot				Extra 2
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			Extra 2																																		
<p>Number of Wires: <u>4</u></p> <p><small>*(if more than 1 wire, draw configuration below)*</small></p> <div style="text-align: center;"> </div> <p><small>* Required Information</small></p>																																					

SECTION C

This section is required when an above ground facility is proposed.

Please provide the following information:

- Description on above ground facility:
 - What is it?
 - How it will be installed above ground?
 - What it is made of?
- Will any ground elevation change be required?
- Distance from existing ground to highest point of proposed facility: _____ metres (if applicable)
- Height of above ground facility: _____ metres (if applicable)
- Is the facility permanent/temporary?
- Drawings of proposed facility

SECTION D

This section is required when an above ground power line facility is proposed.

Please provide the following information:

- Voltages of upcoming power line: _____ kV
- Upcoming power line conductor type:
- Ruling span of upcoming power line: _____ metres
- Span length of crossing span (distance from first power pole to second power pole):
_____ metres
- Number of insulators:
- Distance between BHE Canada's power pole and closest phase of upcoming power line:
_____ metres
- Permanent/temporary :
- AEUC and CSA clearance requirement between two circuits at crossing location: _____ metres
- Calculated clearance between line of sight of upcoming power line and lowest wire of BHE Canada's power line sagging at 100°C at crossing location: _____ metres (if available)
- Drawings of power pole that will be located on either side of BHE Canada power line
- Ground elevation change occurring at crossing location?

If answered "yes" to above question then specify following details:

Cut: _____ metres

Fill: _____ metres
- Height/distance from existing ground to upcoming power line's line of sight at crossing location:
_____ metres

SECTION E

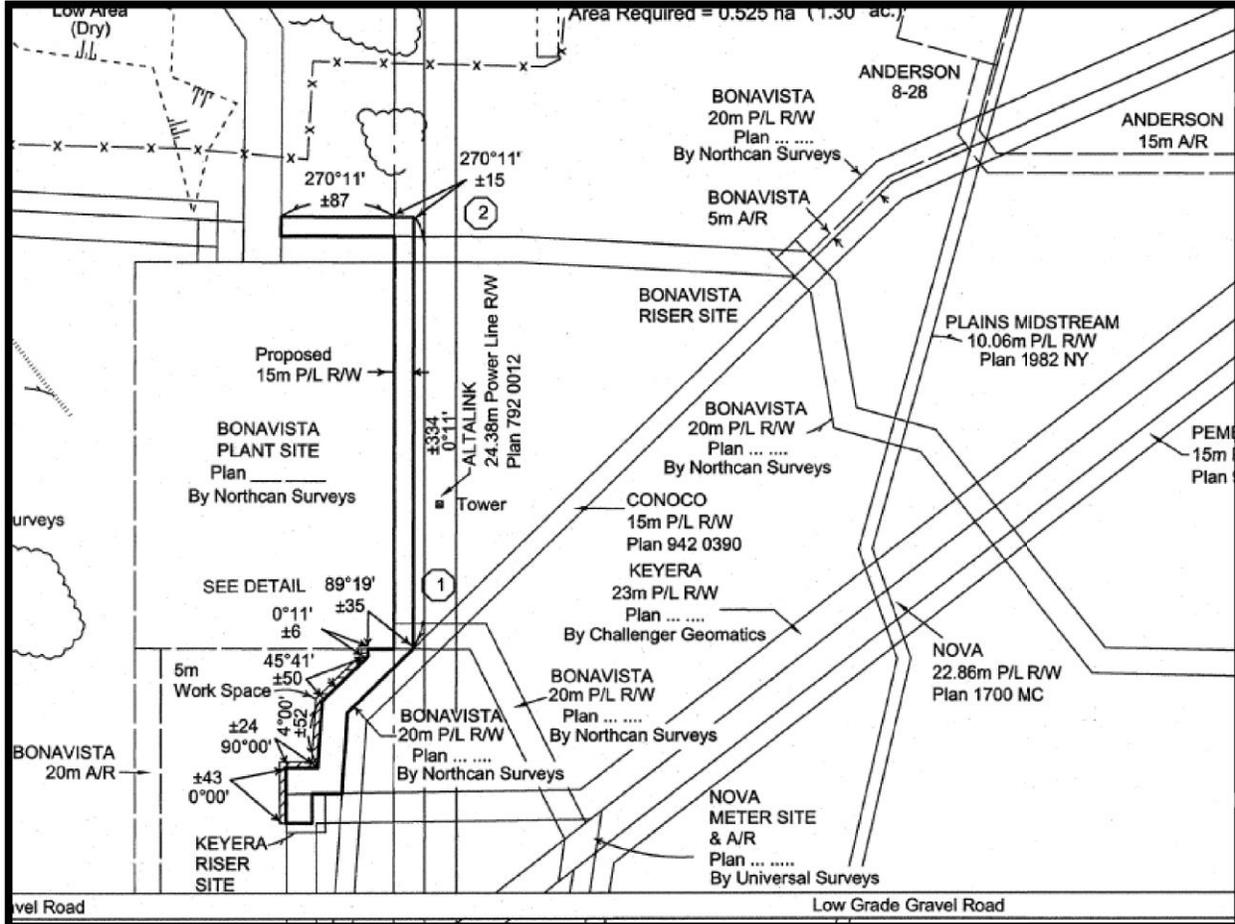
This section shows a sample well site plan which is required for each well site proximity request. This plan should show distances between BHE Canada's power lines and well site as shown in the plan below.

Please provide the following information on the drawing:

- 1) The distance between BHE Canada's closest right of way boundary and wellsite: _____ metres
- 2) The distance between BHE Canada's closest power line (wire) and wellsite: _____ metres
- 3) The distance between BHE Canada's closest right of way boundary and wellhead: _____ metres
- 4) The distance between BHE Canada's closest power line (wire) and wellhead: _____ metres

SECTION F

This section shows a sample plan of a pipeline proximity request, which is suggested for each pipeline or cable proximity request.

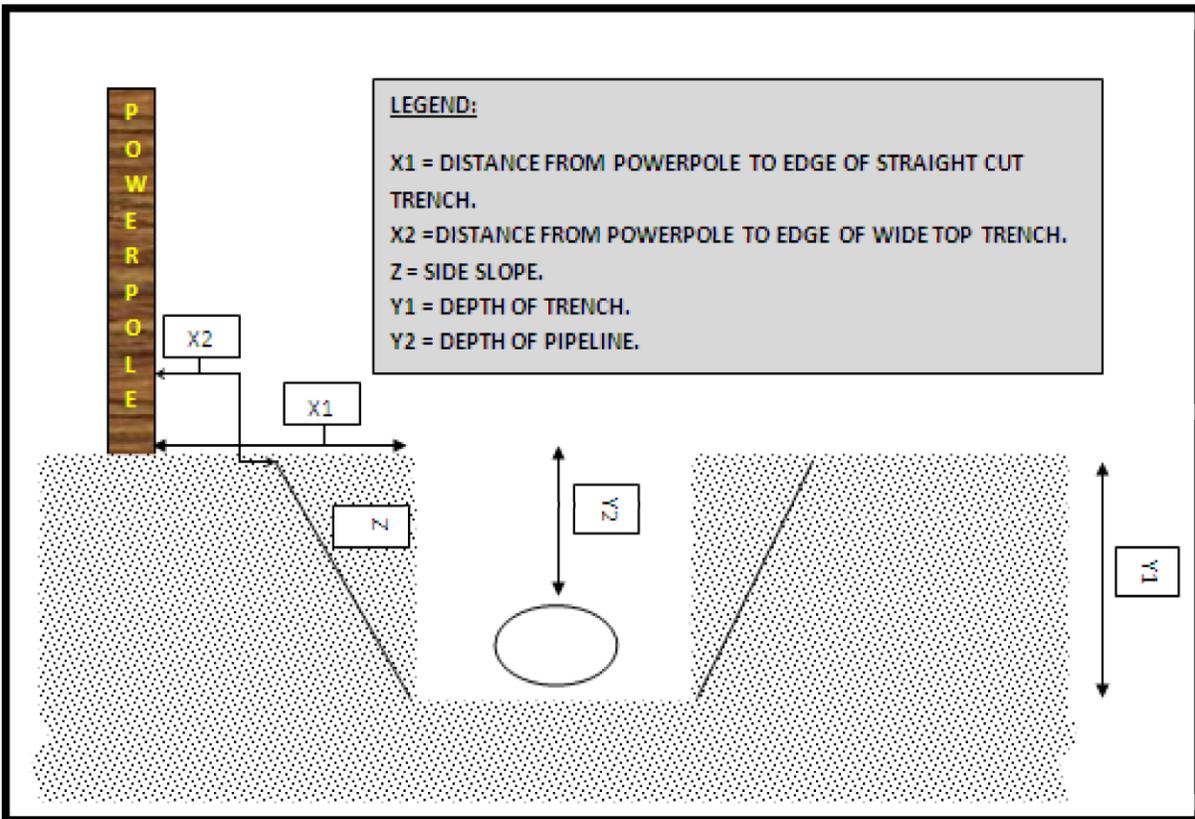


SECTION G

This section details BHE Canada requirements for pipelines or other excavations which are paralleling an BHE Canada power line. This type of drawing is required when the following separation requirements are not fulfilled:

- 5 metres of distance between any soil disturbance and wood pole;
- 10 metres of distance between any soil disturbance and steel tower.

The details in this section must reflect the smallest separation between the power pole/tower and the edge of trench and the steepest slope of trench to allow for an accurate assessment of the proposed facility's effect on the BHE Canada line.



X1: _____ metres

X2: _____ metres

Y1: _____ metres

Y2: _____ metres

Z (Ratio):

Type of pipeline:

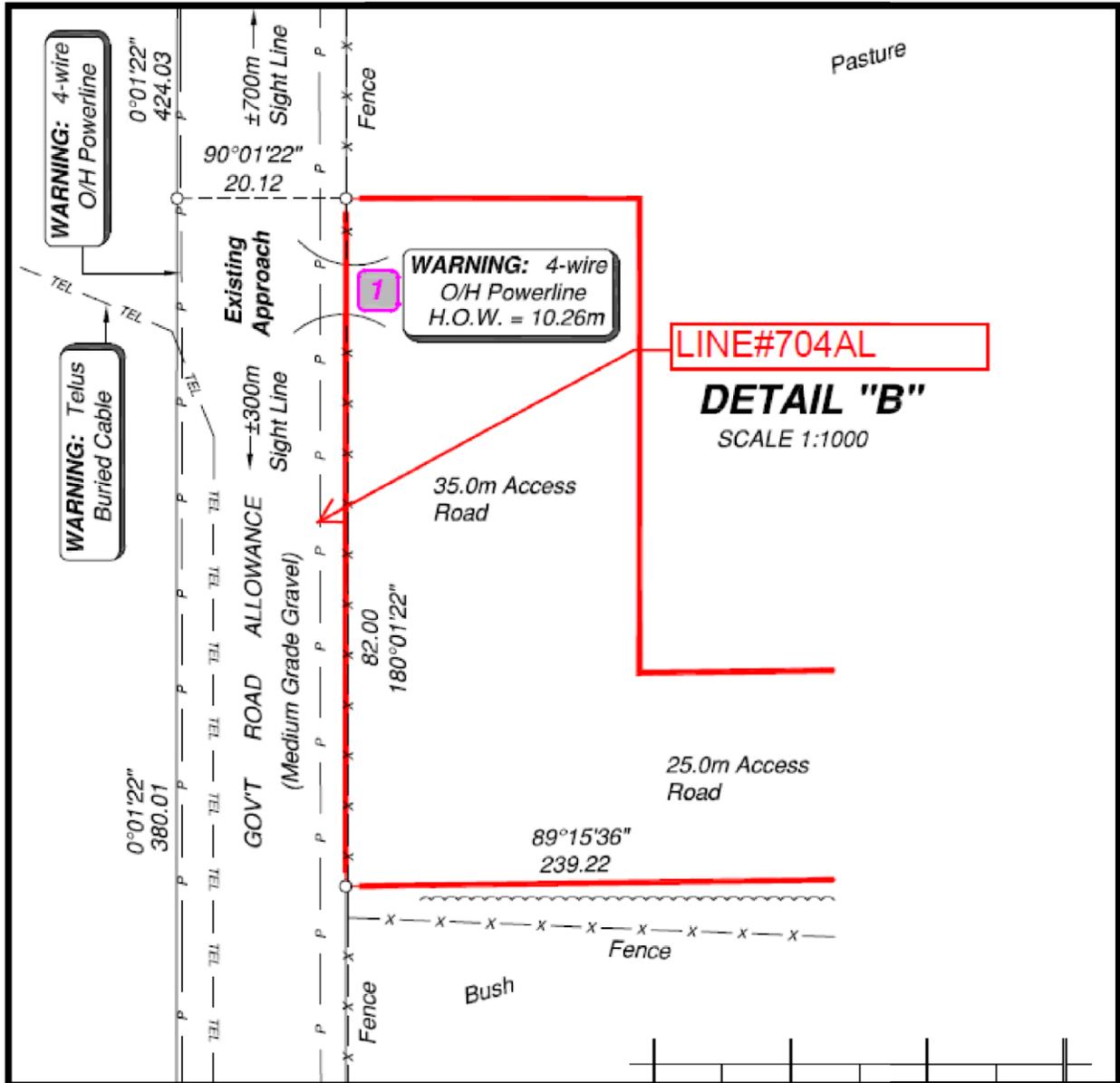
Method of pipeline installation:

Pipeline material:

Engineer stamp

SECTION H

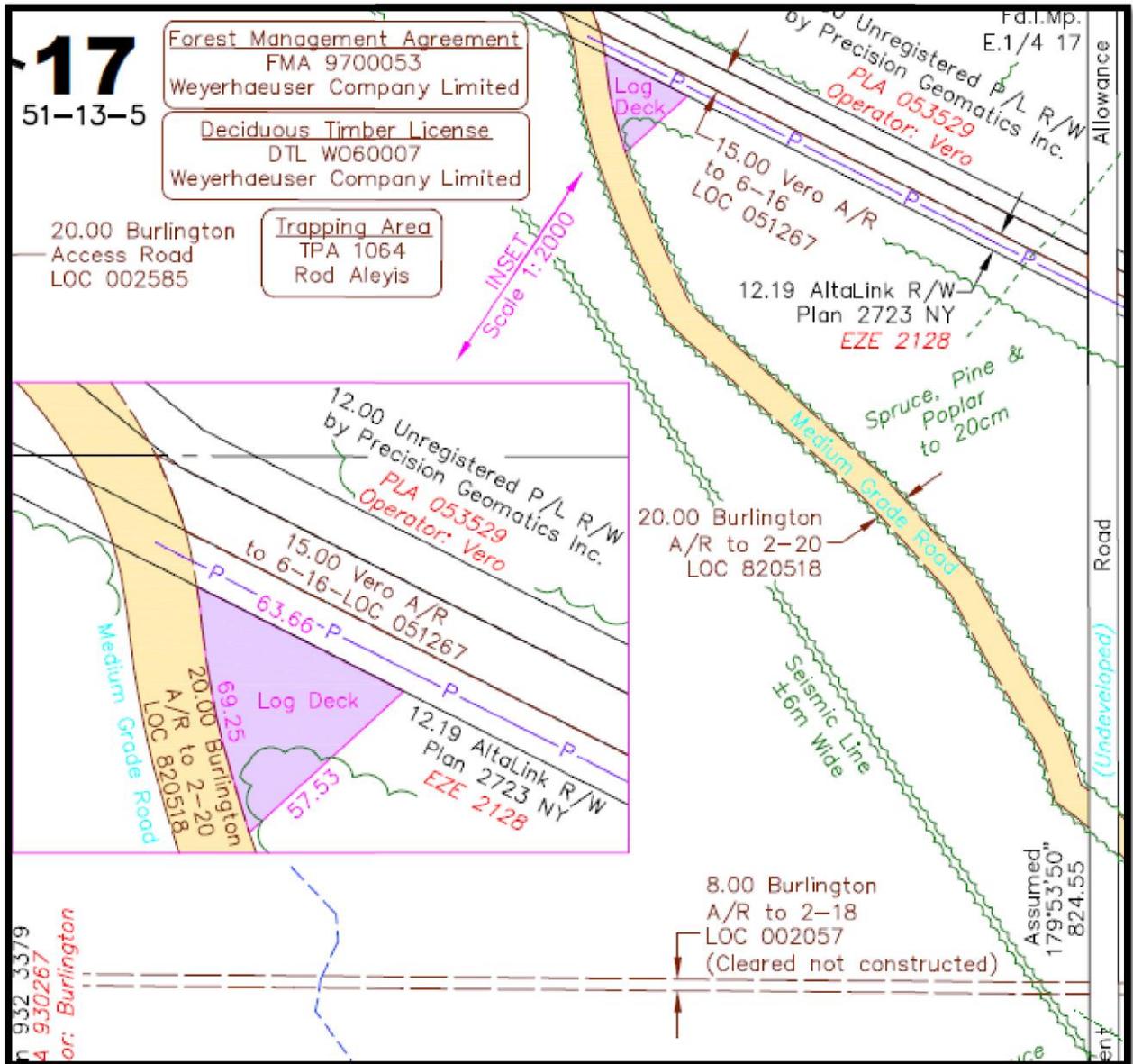
This section shows a sample plan which is suggested for each road proximity request.



*Courtesy of Boundary Technical Group Inc.

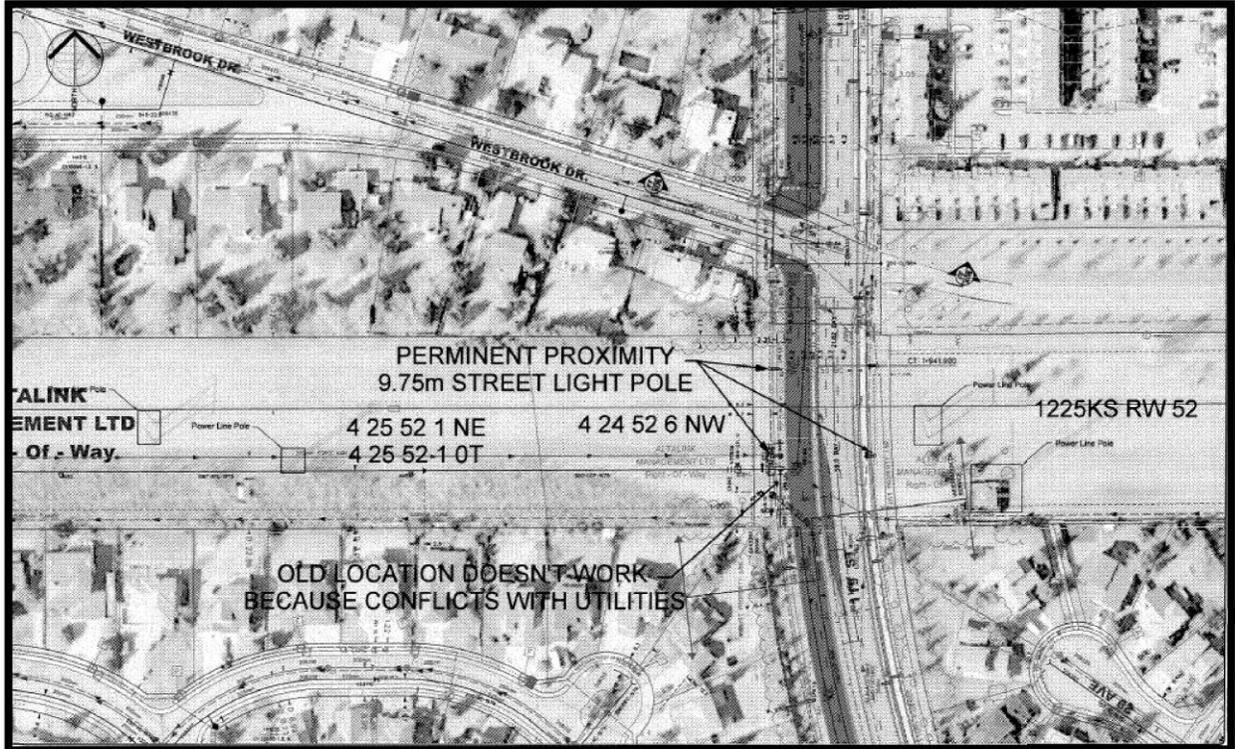
SECTION I

This section shows a sample plan which is suggested for each log deck proximity request.



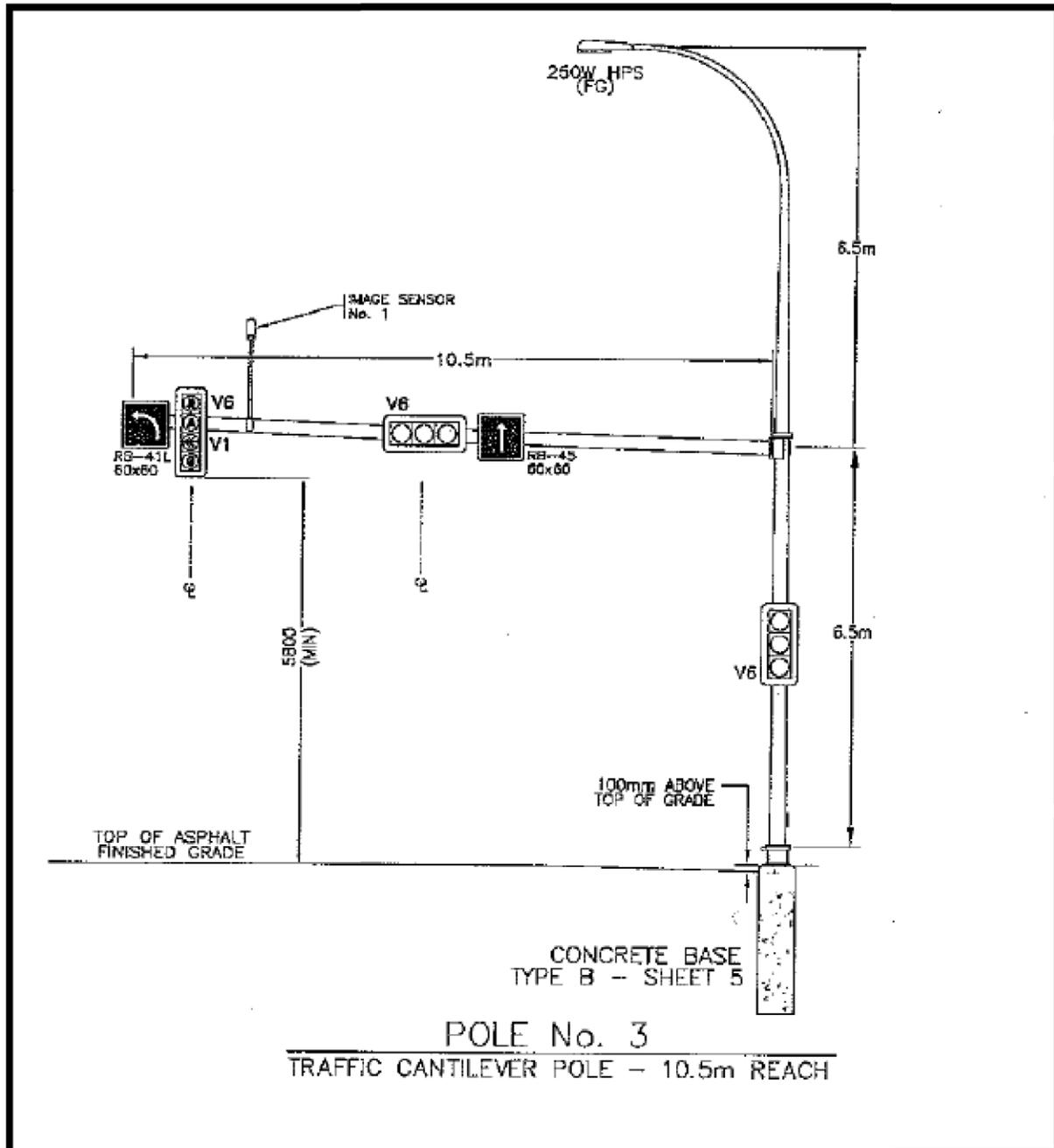
SECTION J

This section shows a sample plan which is suggested for each traffic signal/light pole proximity and/or encroachment request. On this plan the distance between each light/traffic signal and power line should be shown clearly. If the lights or traffic signals have devit arms, the distance should be shown between nearest edge of light pole/traffic signal to the power line and the power line itself.



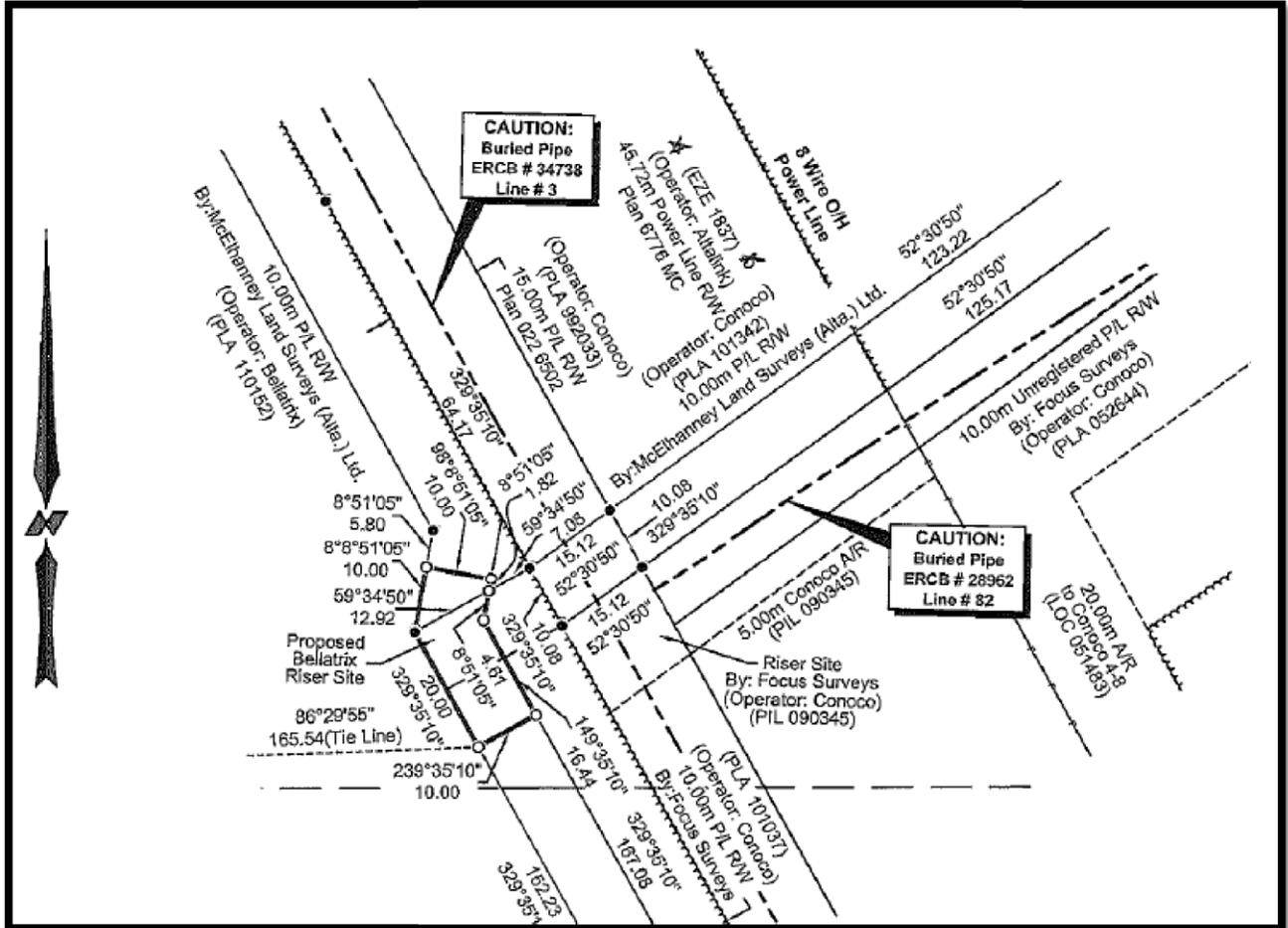
SECTION K

This section shows a sample specification drawing which is suggested for each type of light/traffic signal that is being used in the proposed project. This type of drawing should be submitted with traffic signal/light encroachment and/or proximity.



SECTION L

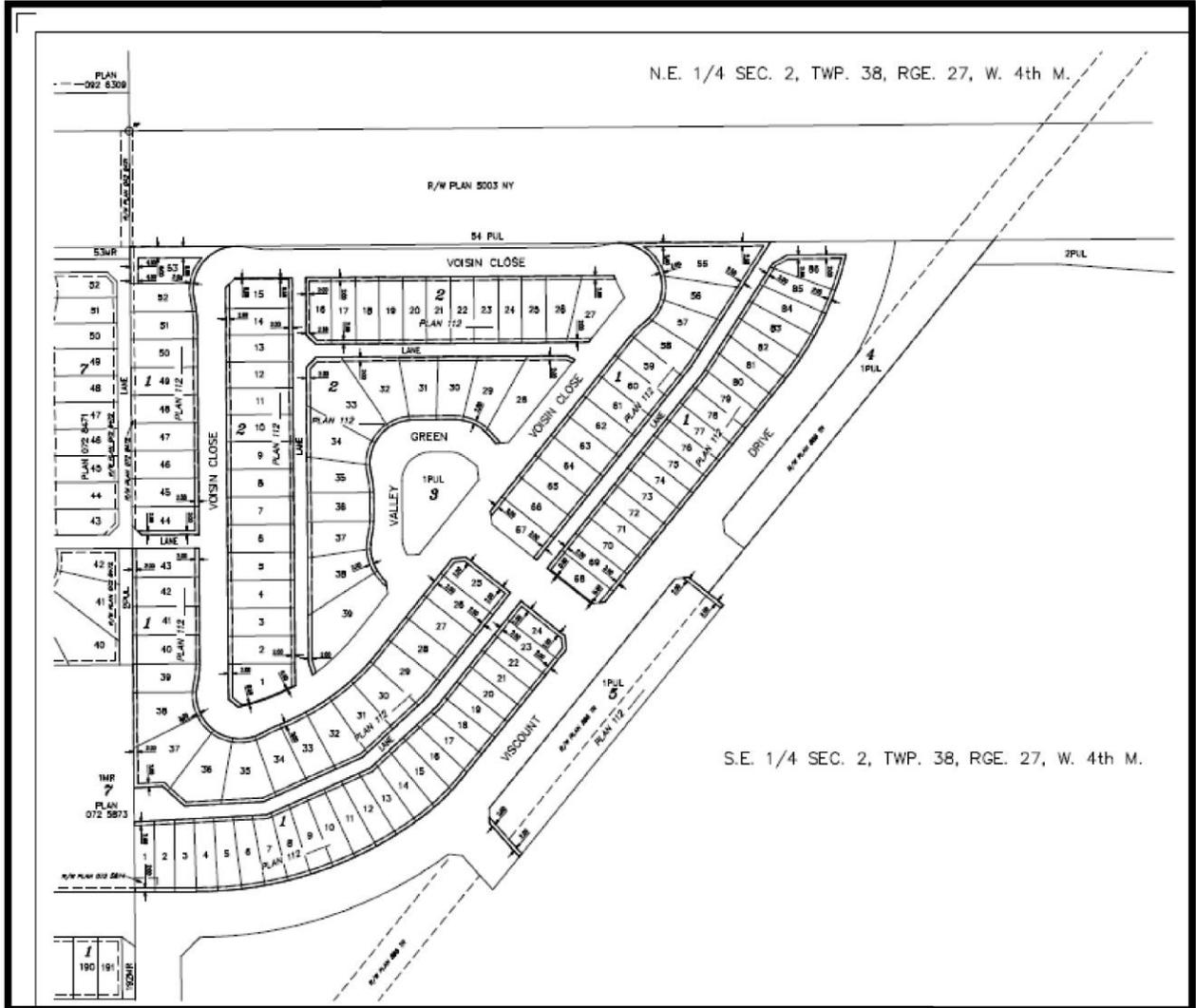
This section shows a sample plan of which is suggested for each pipeline riser site/metering site proximity notification.



The distance between the edge of the BHE Canada right of way/VCE/LOC/EZE and closest edge of risersite/pumping station/metering station: _____metres

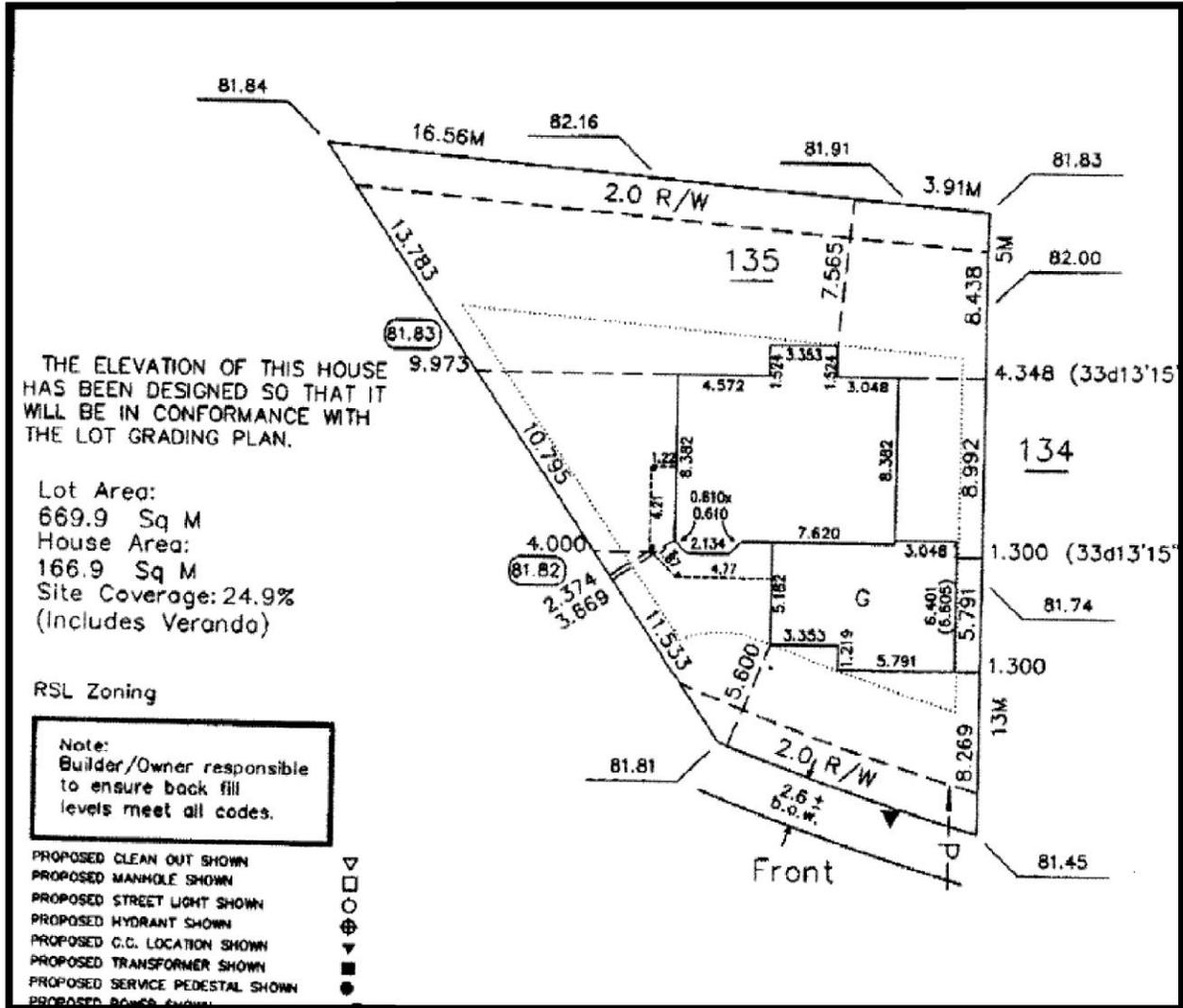
SECTION M

This section shows a sample plan for houses proposed in proximity to BHE Canada's right of way. This typeof plan is suggested for each house proximity notification.



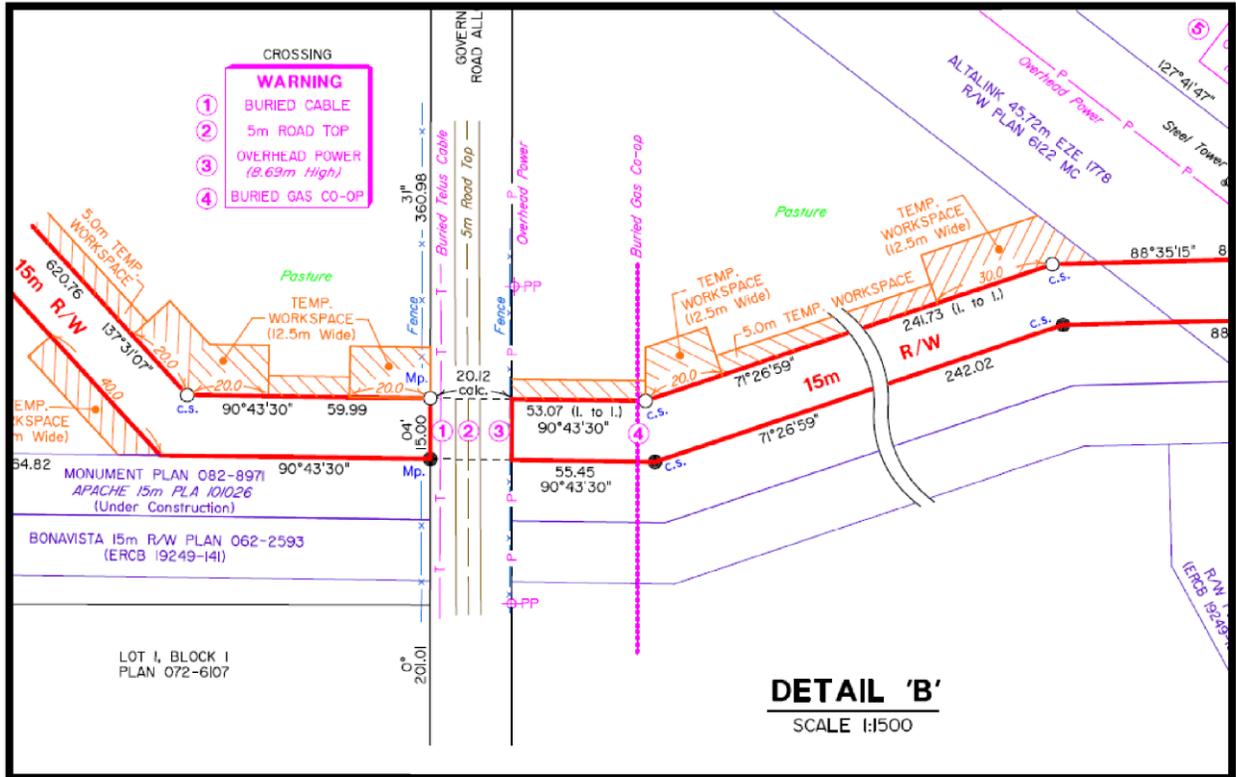
SECTION N

If a house is proposed within the horizontal setback distance BHE Canada provided, then this type of plan should be submitted with the notification. This plan should detail the house's maximum height, and all facilities to be located in the lot.



SECTION O

This section shows a sample plan which is suggested for each temporary workspace proximity notification.



SECTION P

This section shows a sample plan which is suggested for each road widening request in proximity to BHE Canada lines. This plan should show all utilities clearly and any extra right of way that is purchased for road widening (if applicable).

