

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE  
DIRECTOR OF SURVEYS AND MAPPING  
THE REPLY TO THIS LETTER SHOULD BE MARKED  
FOR THE ATTENTION OF:

THE DIRECTOR..... X  
AIR DIVISION.....  
GEOGRAPHIC DIVISION.....  
LEGAL SURVEYS DIVISION.....  
TOPOGRAPHIC DIVISION.....



THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA

YOUR FILE NO.

OUR FILE NO.

**SURVEYS AND MAPPING BRANCH**  
**DEPARTMENT OF LANDS, FORESTS,**  
**AND WATER RESOURCES**  
**VICTORIA, B.C.**

24 May 1968.

CIRCULAR LETTER TO ALL BRITISH COLUMBIA LAND SURVEYORS

Instructions Regarding Permanent Survey Monuments

being B. C. Regulation 300/59

This is to advise that the recommendations of the Corporation of B. C. Land Surveyors' 1967 Survey Post Committee have been found acceptable to this office. As a result, the following new types of permanent survey monuments and ancillary equipment are hereby authorized for use:

Type 5A - A 1/2-inch square, 30 inches long, pointed, hot-rolled steel, galvanized bar with an embossed, lettered, expanded forged head. Use of cap magnets with this post will be optional,

or

as above, but manufactured in aluminum (alcan alloy 50 S0). A washer-type post magnet must be applied under the forged head of this A.P.

Post Cap - A 3 1/2-inch diameter, lettered, die-cast aluminum post cap similar in appearance to the present P. Rock or P. P. Cap. These bear the government Crown.

Type 4A - A combination of either of the new 5A posts (I.P. or A.P.) which is passed through the new aluminum post cap. When it is used with the anchor plate it becomes an alternative to the old type 4 Standard Pipe Post.

When it is used without the anchor plate it is a driveable pipe post and an alternative to the old Type 4 driveable post which, although never specified in B. C. Reg. 300/59 has existed for some years.

Type 2A - Consists of the Post Cap through which is pushed a 1/2" x 2 1/2" galvanized carriage bolt or a 5/8" x 2 1/2" machine bolt galvanized, or other specified metal stud.



Anchor Plates - These are 3-inch square metal plates of 18 gauge stainless steel with a 1/2" diameter hole punched in the centre. When used with the Type 4A post it produces the equivalent of the old Type 4 Standard pipe post. The anchor plate will resist withdrawal and to apply it the plate is placed on the ground and the post driven through it for about 2 inches.

Magnets - These will be available in 2 types:

- (a) Post magnets - which are mandatory for use with Type 5A aluminum posts and optional for use with Type 5A galvanized post.
- (b) Cap magnets - which are optional for use with the new aluminum die-cast post cap.

As a result of the above additional types the following comments can be added as they apply to the various types of permanent survey monuments presently authorized under Sec. 1.03 of B. C. Reg. 300/59:

Type 1 - This is the Standard Concrete post in all respects except that a Type 2A or 4A post may be set in the monolith.

Type 2 - This may now be replaced by a Type 2A post.

Type 3 - This is the lead plug with copper centre and there are no changes to it.

Type 4 - The alternative now to this post is the new Type 4A. The present stocks of the Type 4 posts both standard pipe and driveable pipe are not large and it is hoped they will suffice until the new Type 4A becomes available. Thenceforth the present Type 4 posts will not be reordered.

Type 5 - The new Type 5A post will be an alternative to the old Type 5 post. Although the choice of 5 or 5A types will be at the option of the surveyor it is expected that in time as long as the price differential remains small Type 5A will phase out Type 5. The price of a 5A post is expected to retail at less than 75¢.

#### Additional Notes

1. It is the intention of this office to replace the government agents' stock of Type 4 posts when necessary with the Type 5A galvanized post, and an equal number of the Post caps. This combination then will be used wherever the Type 4 posts would have been called for.

2. If, in the meantime, a gap occurs in the supply of survey monuments



in the government agent's office, the surveyor shall use the next highest order of monument available to him.

3. Where the Type 5A post is being used as an alternative to the old Type 5 post the surveyor shall obtain his stock from a private source as at present.

4. At present the Type 5A aluminum post, the two types of magnets and the anchor plates will not be stocked with government agents. The surveyor will be expected to purchase these locally also.

5. The die-cast aluminum post caps which bear the government Crown will be sold at present only by this Department through the Government Agents offices.

6. With reference to paragraph 1.07 of B. C. Reg. 300/59, the same symbols will continue to be used with the exception of Type 4 which will in future become C.I.P. (for capped iron bar), or, C.A.P. (for capped aluminum bar.)

7. Orders for the new post caps and Type 5A galvanized posts have been placed with the Government Purchasing Commission and most known suppliers are already aware of the new specifications. Manufacturers who have tendered on the Type 5A post are:

Lister Bolt and Chain Works Ltd., 301 West 5th Ave., Vancouver 10.

A. J. Forsyth & Co. Ltd., 960 Evans St., Vancouver 4.

Pacific Bolt Mfg. Co. Ltd., 450 S.E. Marine Drive, Vancouver 15.

However, if your present supplier is not yet aware of the specifications for Type 5A posts, etc., they can be supplied from this office.

8. Anchor plates can be obtained locally from any sheet metal fabricator or from:

Advance Industries Ltd., 2034 W. 12th Ave., Vancouver 9

Kingston Sheet Metal Works Ltd., 515 Pendray St., Victoria, (384-2132).

9. Magnets for use with Type 5A aluminum posts (post magnets) and with the aluminum post caps (cap magnets) may be obtained from:

Tormag Transmissions Limited, Sheet material 8" x 24" \$20 per sheet  
338 West 6th Avenue,  
Vancouver 10, B. C. - 879-5251

Ellehammer Industries Limited, Post Magnet - 30¢ each approx.  
2130 Malaview Ave., Cap Magnet - 12¢ each approx.  
Sidney, B. C. - 656-3911

10. At the suggestion of the Survey Post Committee your attention is once more drawn to paragraph 4.03 of B. C. Regulation 301/59 being the Land

## Act Survey Instructions.

"The Standard Concrete Post shall be used to mark every corner which is readily accessible by road or water transportation, except corners where a Type 5 (now 5A as well) post is authorized."

This regulation has been honoured more in the breach, than in the observance of it.

More attention must be paid to the spirit of this regulation in future. You may expect to have surveys returned if it is obvious on inspection that this paragraph of the regulation has not been satisfied.

Yours truly,

A handwritten signature in dark ink, appearing to be 'G. S. Andrews', written over a horizontal line.

G. S. Andrews,  
Surveyor-General and Director,  
Surveys and Mapping Branch.