



Province of
British Columbia

Ministry of
Transportation
and Highways

Lower Mainland District
#200 - 1065 Columbia Street
New Westminster, B.C., V3M 6H7
Telephone: 660-9814
Facsimile: 660-9736

Your File: MCO 237270
Our File: 1-6-13584

13 April 1994

B.C. Gas Inc.
16705 Fraser Highway
Surrey, B.C.
V3S 2X7

Attention: Ron Bowman
Manager of Construction Planning

Dear Sir:

Re: Proposed Gas Service Main Crossing
Highway #99 west of Mathews Interchange

Enclosed please find Permit No. 1-6-13584.0 for the above noted works.

Please read the permit carefully as there are specific conditions and/or obligations under the "NOTE" which must be fulfilled.

Also, note that this permit is issued on the basis that BC Gas Inc. will obtain permission from the Delta Fire Dept. to access the work site on the south side of Highway #99 via the Fire Hall No.4 access to Highway #10. Should alternate access be required, please contact this office.

Should you have any questions, please call.

Yours truly,

John Weber
District Development Technician

encl:

Copy: Vern Poustie - Works Inspector
Mainroad Contracting Ltd.

DICK NEWTON
576-7075
call for pickup
mid week of
Apr. 11



PERMISSION TO CONSTRUCT WORKS WITHIN CROWN LAND

The works comprising of the installation of 60 metres of an 86mm diameter underground gas service main across Highway #99 at 9300 Burns Drive (west of Mathews Interchange). All work to be as shown on BC Gas Inc. drawing no. CP-1-2075 (MCO 237270), submitted with application dated March 17, 1994.

- NOTE:
1. All materials and procedures shall comply with the Ministry of Transportation and Highways Standard Specifications for Highway Construction issued February, 1993.
 2. Contact Vern Poustie, Works Inspector (660-8300) 48 hours prior to the commencement of the works, and upon completion of the works.
 3. Contact Mainroad Contracting Ltd. (581-3398) 48 hours prior to the commencement of the works, and upon completion of the works.
 4. Restore work site to original condition or better.

NOTES CONTINUES OVERLEAF ...

are hereby approved in so far as they relate to the use of Crown lands, interference with public works, or other matter under the jurisdiction of the Minister of Transportation and Highways, and permission to construct, use, and maintain the said work is hereby granted to

B.C. Gas Inc., 16705 Fraser Highway, Surrey, B.C., V3S 2X7

The said approval and permission to construct, use, and maintain works is, however, at all times subject to the following conditions:

1. That the construction and maintenance of the said works is carried out to the satisfaction of the Regional Director, Highways.
2. That, before opening up any highway or interfering with any public work, intimation in writing of the intention to do so must be given to the District Official at least seven clear days before the work is begun.
3. That any person appointed to the Regional Director, Highways, for the purpose shall have free access to all parts of the works for the purpose of inspecting the same.
4. That the construction of the said works shall be commenced on or before the1st day of May, 1994.....
....., and shall be prosecuted with due diligence and to the satisfaction of the Regional Director, Highways, and shall be completed on or before the1st day of August, 1994.....
5. (a) The highway must at all times be kept open to traffic. The roadway must be completely restored for traffic as soon as possible. At all times the permittee must safeguard the travelling public.
(b) That, unless with the consent of the Regional Director, Highways, no more than forty-five (45) metres of pipe-track or other excavation in any public highway is to be kept open at one time.
(c) All trenches and excavations shall be shored, if necessary, according to the Workers' Compensation requirements. Care shall be taken to protect adjacent property.
(d) That all excavations shall be carefully back-filled with suitable material, which is to be tamped into place, and that the permittee shall restore the surface of the road and shoulders and ditches at his own expense. All surplus material is to be removed from the Provincial Crown lands, or deposited where and as required by the District Official of the Ministry of Transportation and Highways. The permittee is financially responsible for any maintenance work required on said ditch for a period of one year. The Ministry will carry out the necessary remedial work and invoice the permittee monthly.
(e) The pipeline crossing installation is to be placed by drilling and (or) jacking in such a manner as to afford minimum grade settlement. No water jetting will be permitted. That where, in the opinion of the District Official, an excavation or opening for a pipeline crossing installation could be made which would not be detrimental to the highway or its users, permission will be granted for said works. On throughways, freeways, and main highways no open cuts will be allowed.
(f) That all pipelines in excess of a nominal diameter of 5 cm., whether gas, oil, water, pressure sewers, conduits, etc., shall be installed where indicated by the District Official, encased in a steel casing-pipe or conduit-pipe of sufficient strength to withstand all stresses and strains resulting from the location, such casing to extend the full width of the highway right-of-way if deemed necessary to the District Official. The ends of the casing-pipe shall be suitably sealed and, if required, properly vented above the ground with vent-pipes not less than 5 cm. in diameter, and extending not less than 1.2 metres above ground surface. Vent-pipes shall be connected 30 cm. from the ends of the casing-pipe, and the top of each vent shall be fitted with a turn-down elbow, properly screened and equipped with identification markers.
All pipelines of non-rigid material, i.e., plastic or copper, of any diameter, shall be cased, or embedded in sand.
The inside diameter of the casing-pipe shall be at least 25 per cent larger than the outside diameter of the pipeline. The casing-pipe shall be installed with an even bearing throughout its length, and in such a manner so as to prevent leakage, except through the vents.
The top of the casing-pipe, or the pipeline where casing is not required, shall be located as directed by the District Official, and shall in no case be less than 1.2 metres below the surface of the highway and not less than 60 cm below the highway ditches. Pipelines must not obstruct drainage structures or ditches or interfere with traffic on the highway or with highway maintenance.
6. That where the work for which permission is hereby granted comes in contact with any bridge, culvert, ditch, or other existing work, such existing work must be properly maintained and supported in such manner as not to interfere with its proper function during the construction of the new work, and on the completion of the new work the bridge, culvert, ditch, or other existing work interfered with shall be completely restored to its original good condition.
7. That when necessary all excavations, materials, or other obstructions are to be efficiently fenced, lit, and watched, and at all times every possible precaution is to be taken to ensure the safety of the public.
8. That the person or persons for whom these works are being constructed, or by whom these works are maintained, shall at all times accept full responsibility for any accident that may occur or damage that may be done to any person or property whatsoever caused directly or indirectly by these works, and shall save harmless and keep indemnified the Crown from all claims and demands whatsoever in respect of the works.

(OVER)

9. That the permission herein granted to use and maintain the works is only granted for such times as the land or public work in, upon, or over which the said works are constructed is under the jurisdiction of the Minister of Transportation and Highways. This permission is not to be construed as being granted for all time, and shall not be deemed to vest in the permittee any right, title, or interest whatsoever in or to the lands upon which the works are constructed. Should the lands affected at any time be included within that of an incorporated municipality or city, this permission shall become void, unless the works are on a highway duly classified as an arterial or primary highway pursuant to Part III of the *Highway Act*.

10. That after receiving notice in writing of the intention on the part of the Provincial Government to construct, extend, alter, or improve any public work, the person or persons responsible for the maintenance of the works for which permission is hereby granted shall within six weeks move or alter such work at his or their own expense to such new positions or in such manner as may be necessitated by the construction, extension, alteration, or improvement proposed to be carried out by the Provincial Government.

11. That while reasonable care will be taken on the part of the Provincial Government to do as little damage as possible to any private work in the carrying-out of the construction, extension, alterations, improvement, repair, or maintenance of any public work adjacent thereto, the Provincial Government can accept no responsibility for any kind of such damage.

12. That the permission hereby granted to construct, use, and maintain work is granted without prejudice to the provisions of the *Highway Act* and *Ministry of Highways and Public Works Act*, or other Acts governing Crown lands and public works or their use by the public.

13. That this permission shall be in force only during such time as the said works are operated and maintained by the applicants, to the entire satisfaction of the Regional Director, Highways.

14. That the Ministry will not be responsible for grade changes on accesses caused by reconstruction of any Provincial highway.

15. This permit is valid only for the specific works stated herein. Any alterations or additions must be covered by a separate permit.

16. This permit may be cancelled, at the discretion of the Minister, without recourse, should the permittee fail to comply with all the terms of the permit. Thirty days' notice will be given before cancellation.

17. When the requirements of the Ministry necessitate use of the said lands for Provincial purposes, at the discretion of the Minister, this permit may be cancelled.

18. That these works shall be identified with this permit number, namely, "H. 1-6-13584-0....." in a manner satisfactory to the District Official of the Ministry of Transportation and Highways.

Ministry of Transportation and Highways

.....#200 - 1065 Columbia Street.....
.....New Westminster, B.C.....
.....V3M 6H7.....

.....John Weber.....
.....Development Technician.....
.....For Minister of Transportation and Highways.....

.....April 13....., 19 94

NOTES CONTINUED FROM OVERLEAF:

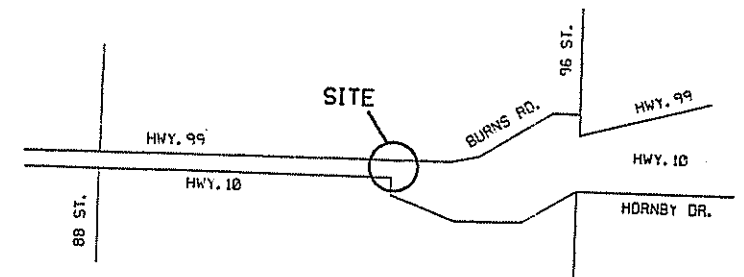
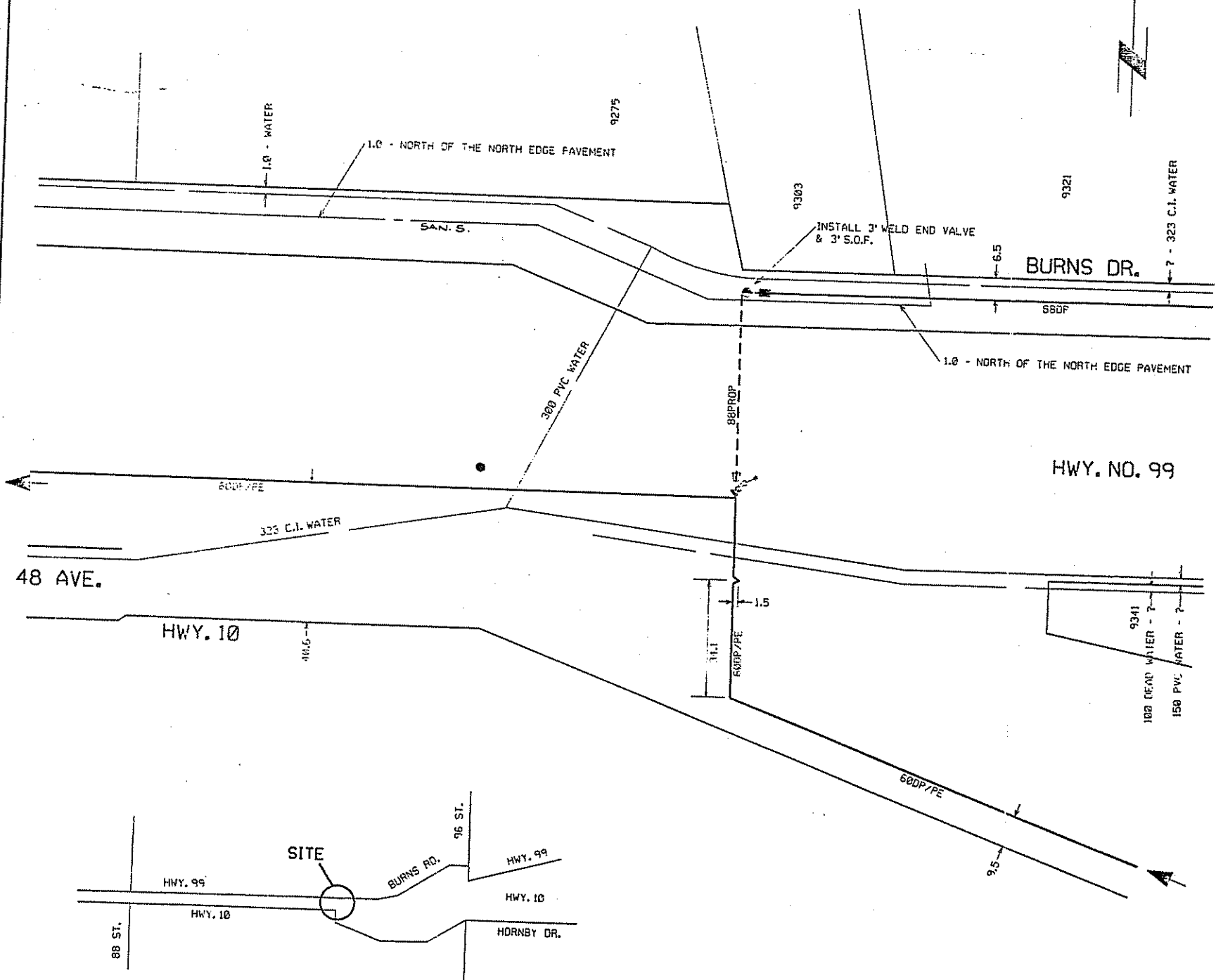
- 5. Open cut of the travelled portion of Highway #99 is not permitted.
- 6. Closure of the travelled lanes is not permitted.
- 7. Any open trenches left at the end of the day shall be fenced.
- 8. No Access is permitted to the work site from Highway #99.

JW

The layout shown on this drawing is a condition of attached permit no. ~~1-6-1-3586~~ any change in layout without the prior consent in writing of the District Highway Manager shall render the permit void.

APR 12/94
Date

for Minister of Transportation and Highways



1:1000
SCALE 0 20 40 METRES
METRIC DRAWING: OFFSETS AND END POINTS ARE IN METRES. NOMINAL PIPE DIAMETER IS SHOWN IN mm.

ADDRESS BURNS DR. & HWY. NO. 99, DELTA

DESIGN PRESSURE kPa	RECORDS	ROUTE COPIES TO	MCO 237270	R
150 420 700 860	SHUT OFF LIST RECD.	MUNICIPAL HIGHWAY	MAP 11-G-12	
X	TRANSFER LIST RECD.	M.T.A.H. BC TEL.	SYSTEM MAP 6	
1200 1900 4020	SERVICE LIST RECD.	DIST. OFF. ELEC. DEPT.	G.L. 475659	
	ASSOC. DWG/ORDER NO.	CONR. CONT. SYS. DESIGN		
UTILITY	DESIGN BY	DWG NO.	DATE 94-03-10	
U/G ELEC.	B.C. HYDRO		DESIGNER R. NEWTON	
U/G TEL.	B.C. TELEPHONE	CF-1-2075	DRAWN T.B.	
CONSULTANT	PROJECT NO.		CHKD., APPD.	
MUNICIPAL PROJECT NO.			STAKED	

UTILITY DESIGN: ALL LOCATIONS SHOWN FOR EXISTING UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE ONLY AND MUST BE CONFIRMED BY THE USE OF PIPE LOCATOR AND MANUAL DIGGING. SIMILARLY WE DO NOT ACCEPT RESPONSIBILITY FOR ERRORS OR OMISSIONS.

REV.	DESCRIPTION	DATE	APPD.

COST REPORTING SPLIT / PIPE REQUIREMENTS

MCO	NOM. DIA.	MAT'L	ESTIMATED	STAKED	INSTALLED	STOCK NO.
	88mm	ST	60m			

SEE V.M.S. BILL OF MATERIAL LISTING FOR ADDITIONAL MATERIAL REQUIREMENTS.

NOTES:
1.) FIELD SUPERVISOR TO NOTIFY MTH WHEN UNDERGROUND CONSTRUCTION BEGINS.
2.) GAS MAINS TO HAVE MINIMUM 1.2m COVER AS PER 130-23-1.

VALVE LIST

VALVE	NOM. DIA. SIZE	TYPE (PLUG, BALL, ETC.)	DEPTH (PIPE CL.)	MANUFACTURER	FIGURE NUMBER	NO. OF TURNS TO OPERATE

INSPECTION REPORT: I HEREBY CERTIFY THAT THE PIPING WAS INSTALLED IN ACCORDANCE WITH CURRENT PRACTICES AND WAS EXAMINED WHILE UNDER AN AIR TEST OF _____ kPa FOR _____ HOURS AND THAT NO LEAKAGE WAS INDICATED. DATE _____ D.M.I. _____ FLD. INSP. _____

APPROVALS

1) CIVIC OR MUNICIPAL	<input checked="" type="checkbox"/>	AUTHORIZATION NO. OR SIGNATURE	DATE
2) MTH	<input checked="" type="checkbox"/>		

TO THE ENGINEER OF:

- THE CORPORATION OF DELTA
- MINISTRY OF TRANSPORTATION AND HIGHWAYS - NEW WESTMINSTER
-

DEAR SIR:
WE SUBMIT FOR CONSIDERATION THIS PROPOSED UNDERGROUND GAS CONSTRUCTION ORDER. SHOULD THIS MEET WITH YOUR APPROVAL, WOULD YOU PLEASE SIGN THE APPLICATION IN THE SPACE PROVIDED ABOVE.

YOURS TRULY,
A. PULLMAN, P. ENG., Manager

FRASER VALLEY OPERATIONS DIVISION
16705 FRASER HIGHWAY, SURREY, B.C. V3S 2X7
PHONE 576-7000 FAX 576-7104



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