



Your File #: MCO 2800388970  
BCMoT File #: 2017-01585  
Date: April 19, 2017

**Fortis BC**  
3700 2<sup>nd</sup> Avenue  
Burnaby, BC V5C 6S4

Attention: Ronil Perera, ASCT  
Planning & Design Technologist 2  
Coquitlam Muster

**Re: Permit Number 2017-01585  
Highway 99, 88<sup>th</sup> Street – Hornby Drive, Delta**

Enclosed is your copy of the above noted permit.

All work shall be completed to the satisfaction of the District Manager, Transportation.

Please quote file number 2017-01585 when contacting this office.

If you have any questions, please contact the undersigned at (604) 527-2241.

Yours truly,

Glenn W. Callander  
Area Development & Operations Technician  
Email: Glenn.Callander@gov.bc.ca

Attachment

- c: Anna Kosmala, A/Area Manager, Delta/Richmond – MoTI
- Ed Sanders, Project Manager – GMT
- Amber Standbridge, Project Manager – GMT
- Eric Corrigan, Project Manager – GMT
- Mainroad Lower Mainland Contracting LP

| Local District Address   |
|--|
| Lower Mainland District<br>310 - 1500 Woolridge Street<br>Coquitlam, BC V3K 0B8<br>Canada<br>Phone: (604) 527-2221 Fax: (604) 527-2222 |



PERMIT TO CONSTRUCT, USE, AND MAINTAIN WORKS WITHIN THE RIGHT-OF-WAY OF A PROVINCIAL PUBLIC HIGHWAY

PURSUANT TO TRANSPORTATION ACT AND/OR THE INDUSTRIAL ROADS ACT AND/OR THE MOTOR VEHICLE ACT AND/OR AS DEFINED IN THE NISGA'A FINAL AGREEMENT AND THE NISGA'A FINAL AGREEMENT ACT.

BETWEEN:

The Minister of Transportation and Infrastructure

Lower Mainland District
310 – 1500 Woolridge Street
Coquitlam, BC V3K 0B8

(“The Minister”)

AND:

FortisBC
3700 2nd Avenue
Burnaby, BC V5C 6S4

(“The Permittee”)

WHEREAS:

- A. The Minister has the authority to grant permits for the auxiliary use of highway right of way...
B. The Permittee has requested the Minister to issue a permit pursuant to this authority for the following purpose:
The installation, operation, maintenance and relocation of an existing 60DP/PE gas main along Highway 99, between 88th Street and Hornby Drive, Delta, as shown on Drawing No. MCO 2800388970, Sheets 1, 2 and 3 of 3, REV. 0.
C. The Minister is prepared to issue a permit on certain terms and conditions;

ACCORDINGLY, the Minister hereby grants to the Permittee a permit for the Use (as hereinafter defined) of highway right of way on the following terms and conditions:

- 1. That the construction and maintenance of the said works is carried out to the satisfaction of the District Manager, Transportation.
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 days before the work is begun.
3. That any person appointed by the District Manager, Transportation, 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 the 21st day of April 2017 and shall be prosecuted with due diligence and to the satisfaction of the District Manager, Transportation, and shall be completed on or before the 29th day of September 2017.
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 traveling public.
(b) All excavation work must be carried out in accordance with the BC Occupational Health and Safety Regulation. Care shall be taken to protect adjacent property.
(c) 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 their 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 Infrastructure. The permittee is financially responsible for any maintenance works required on said ditch for a period of one year. The Ministry will carry out the necessary remedial work and invoice the permittee monthly.

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.
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 Infrastructure. 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 highway pursuant to Section 45 of the *Transportation 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 *Transportation 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, Transportation.
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 canceled, 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 canceled.
18. That these works shall be identified with this permit number in a manner satisfactory to the District Official of the Ministry of Transportation and Infrastructure.
19. As a condition of this permit, the permittee unconditionally agrees with the Ministry of Transportation and Infrastructure that the permittee is the prime contractor, as described in Section 118 of the *Workers Compensation Act*, for the purposes of the work described by this permit, at the work location described in this permit, and that the permittee will observe and perform all of the duties and obligations which fall to be discharged by the prime contractor pursuant to the *Workers Compensation Act* and the Occupational Health and Safety Regulation.
20. The permittee is advised and acknowledges that the following hazards may be present at the work location and need to be considered in co-ordinating site safety: overhead hazards, particularly electrical or telecommunications lines; buried utilities, particularly electrical, telecommunication, and gas lines; traffic, danger trees, falling rocks, and sharp or infectious litter.
21. Any works within the Ministry right-of-way that fall within the scope of "engineering" under the *Engineers and Geoscientists Act* will be performed by a Professional Engineer, and shall comply with this Ministry's "Engineer of Record and Field Review Guidelines". The Guidelines can be viewed on the Ministry's website at [http://www.th.gov.bc.ca/publications/Circulars/All/T\\_Circ/2009/t06-09.pdf](http://www.th.gov.bc.ca/publications/Circulars/All/T_Circ/2009/t06-09.pdf)
22. The permittee is responsible for preventing the introduction and spread of noxious weeds on the highway right-of-way as defined by the *British Columbia Weed Control Act* and Weed Control Regulation.
23. All materials and procedures shall comply with the current editions of the Ministry of Transportation Standard Specifications for



Highway Construction and Utility Policy Manual.

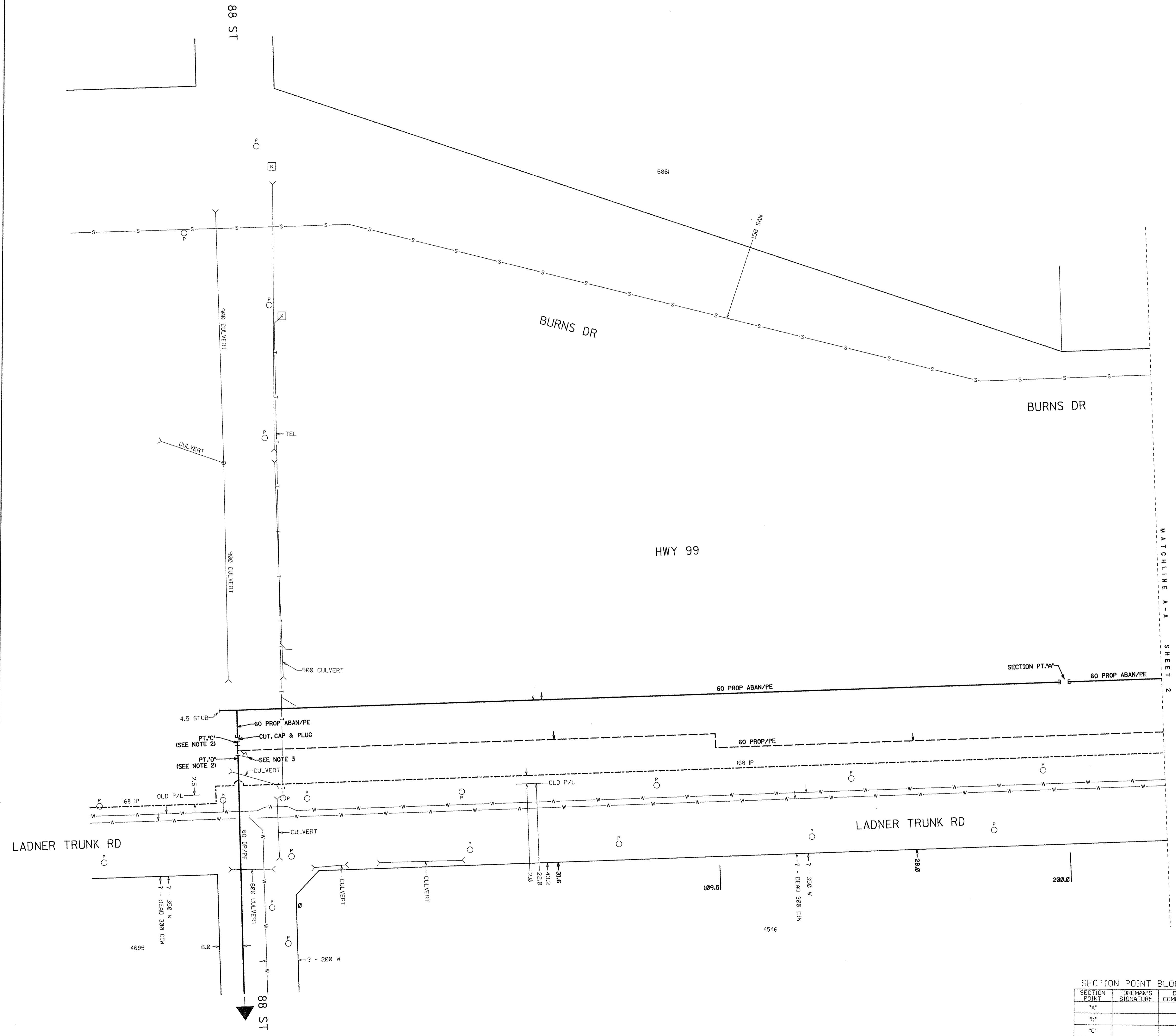
- 24. The permittee is to ensure that the construction area is properly signed in accordance with the current Ministry of Transportation – Traffic Control Manual for Work on Roadways and certified traffic control persons provided during construction where warranted..
25. The Permittee shall, at his cost, supply, erect, and maintain standard traffic control devices in accordance with the Ministry of Transportation "Traffic Control Manual for Work on Roadways" and WCB Regulation, Part 18.
26. Contact Anna Kosmala, A/ Area Manager, Delta/Richmond at 604 527-2240, 48 hours, or ASAP prior to the start of works and upon completion of all works.
27. Contact Mainroad Contracting Ltd. at 604 271-0337 (24-hour number), 48 hours prior to the commencement of the works, and upon completion of the works.
28. Hours of work are restricted to 9:00AM to 3:00PM. Any works within highway right of way or requiring lane closures will require a "Work Notification/Lane Closure Request and Approval" (H0180) form be submitted to this office, Attn: Anna Kosmala, A/ Area Manager, Delta/Richmond & UBC, (Email: Anna.Kosmala@gov.bc.ca, or facsimile: 604 527-2222) prior to the commencement of works.
29. The Permittee is reminded that these works may require location/reconfigured as part of the George Massey Tunnel Replacement Project (GMT) with significant utility relocations to existing infrastructure may be required as part of these GMT works.
Removal. The Minister may order the removal or alteration of utility installations, if necessary, for the protection of the highway or highway users.
If the Permittee/utility owner does not respond to an order to remove or alter a utility installation, the Minister may carry out that work and recover costs from the utility.
30. Contact Ed Sanders, Project Manager, GMT Project at 604 660-8249, 48 hours prior to the start of works and upon completion of all works.
31. The Permittee shall be responsible for the preservation during construction of all geodetic benchmarks, survey monuments and property markers on the right-of-way. The Permittee shall use, at no expense to the Ministry, a British Columbia Land Surveyor to replace any survey monuments destroyed or damaged as a result of the Permittee's negligence. At locations where construction work will cover or destroy such markers, the Permittee shall not move or remove them until written direction is received from the Ministry Representative.
32. The Permittee shall ensure all equipment working on or hauling material on to and from the Site does not damage or deposit material onto any part of an existing roadway. Materials spilled onto the public roadways or driveways opened to public traffic shall be cleaned up immediately. The Permittee has the full responsibility to repair any damage to existing highways, local roads and driveways caused by its construction equipment and/or operations.
33. The Permittee shall take all reasonable precautions to attempt to ensure the safety of the public in connection with the Use. In particular, but not so as to limit this obligation, the Permittee shall, if so required by the Designated Ministry Official on reasonable grounds, prepare and implement a traffic control plan. The contents of the plan and the manner in which it is implemented must meet the reasonable satisfaction of the Designated Ministry Official.
34. Machines with steel tracks or flat steel pads shall not be allowed on the travelled portion of the pavement at any time. Only rubber-tired equipment may be used on the pavement or on the shoulder of paved highways.
35. Restoration of the boulevard must include a minimum depth of 100mm of topsoil. Grass is to be restored using sod or hydroseeding.
36. Permittee is responsible for ensuring that all works are contained to the highway right of way. Any works located within private property must have the owner's permission.
37. A copy of the permit is to be kept by the field supervisor, in order that he is aware of all permit conditions.

The rights granted to the Permittee in this permit are to be exercised only for the purpose as defined in Recital B on page 1.

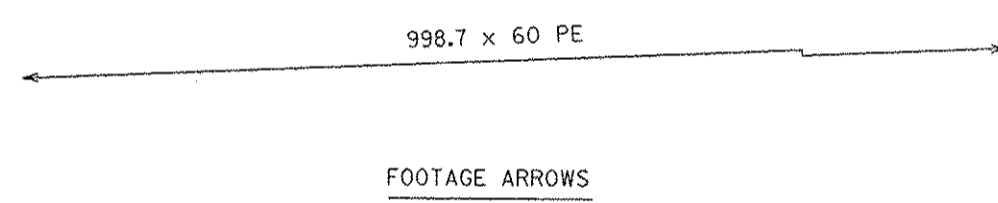
Dated at Coquitlam, British Columbia, this 19th day of April, 2017

[Handwritten signature]

On Behalf of the Minister



MATCHLINE A-A SHEET 1  
 MATCHLINE A-A SHEET 2



SAP NOTIFICATION / PROJECT No. 2800388970

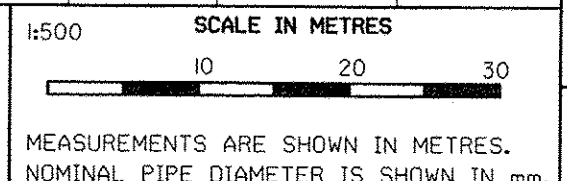
NOTES:

1. ABANDON 1012.3 x 60 DP/PE, 1985. CHARGE ALL ABANDONMENT COSTS TO NOT.#2800388903, SO#30913121.
2. INSTALL 42mm BYPASS FROM PT.'A' TO 'B' AND PT.'C' TO 'D'.
3. INSTALL TRACER WIRE TEST POINT AS PER DOCUMENT I55. CONTACT CORROSION CONTROL TECHNICIAN MOISES BALLESTEROS AT 604-612-0597 REGARDING TEST LEAD BOX LOCATION.
4. THE STANDARD DEPTH OF COVER FOR GAS MAIN IN TRAVELLED PORTION OF HIGHWAY RIGHT OF WAY IS 1.35m.

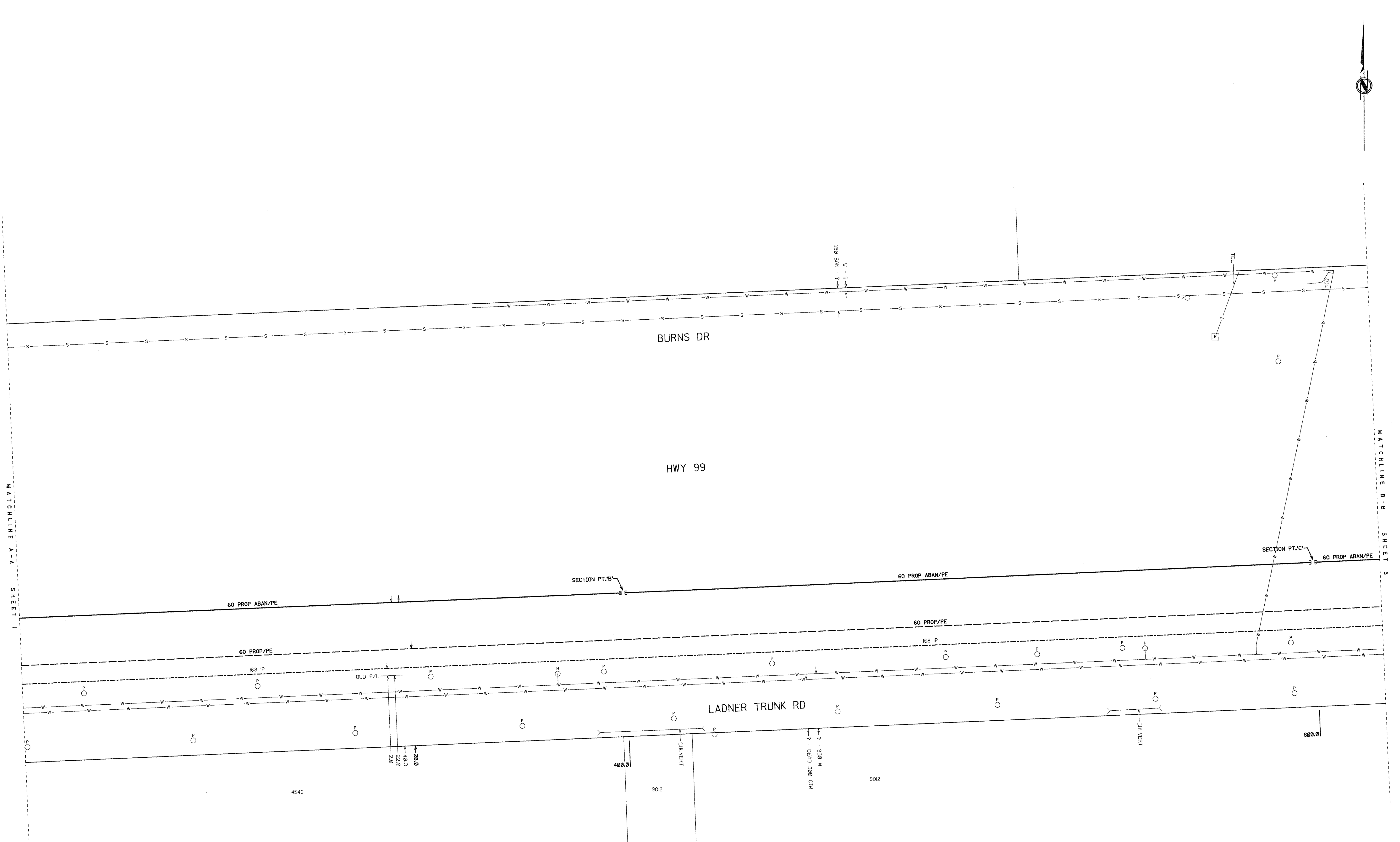
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|--|-----------------------------------|--|--|
| LOCATION   |                                   | Ladner Trunk Rd. and 88 St., DELTA   |  |
| TO THE APPROVING OFFICER OF:   | AUTHORIZATION NUMBER OR SIGNATURE | DATE   |  |
| MINISTRY OF TRANSPORTATION & INFRASTRUCTURE  |                                   |  |  |
| CORPORATION OF DELTA   | FOR INFORMATION ONLY              |  |  |
| CONSTRUCTION REPORT  |                                   | RESOURCES  | RESOURCES  |
| I HEREBY CERTIFY THAT THE PIPING WAS INSTALLED IN ACCORDANCE WITH CURRENT STANDARD PRACTICES AND WAS EXAMINED UNDER AN AIR TEST OF _____ kPa FOR _____ HOURS AND THAT NO LEAK-AGE WAS INDICATED. |                                   | Yes No Only  | Yes No Only  |
| DATE _____ FOREMAN _____   |                                   | BACKHOE<br>DUMPTRUCK<br>FLAGGERS<br>SAWCUTTER<br>PAVING<br>GRAVEL                      | X-RAY<br>ECO WASTE<br>BOM<br>CONT. SERVICES<br>LABOUR<br>PLANT UNITS |
| DATE _____   |                                   | TRACER WIRE CONTINUITY CHECK: <input type="checkbox"/> Yes <input type="checkbox"/> No |  |
| SECTION POINT BLOCK  |                                   | MCO 2800388970   |  |
| SECTION POINT  | FOREMAN'S SIGNATURE               | DATE COMPLETED   |  |
| 'A'  |                                   |  |  |
| 'B'  |                                   |  |  |
| 'C'  |                                   |  |  |
| 'D'  |                                   |  |  |
| REV.   | DESCRIPTION                       | DATE   | CHKD.  |
|  |                                   |  |  |
| DESIGNER: R. PERERA  |                                   | APPROVED: "R. PERERA"  |  |
| PH. • 604-461-6950   |                                   | DATE: 2017/03/16   |  |
| 76705 FRASER HWY., SURREY, B.C. V4N 0E8  |                                   | Ph: 1-888-224-2710   |  |
| FORTIS BC  |                                   |  |  |

|   |          |         |        |               |                          |                              |              |                       |            |               |                  |                       |                    |                     |                 |         |             |           |             |                 |             |                        |                  |               |                   |
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| 1 | ENDPLATE | REDUCER | P.C.T. | WILKINSON TEE | WILKINSON SADDLE STOPPER | WILKINSON SHORT STOP FITTING | ELECTRO STOP | ANCHORED INS. DRESSER | TEST POINT | CHARGED VALVE | MAINTAINED VALVE | MAINTAINED BALL VALVE | UNMAINTAINED VALVE | INSULATED CURB COCK | REGULATOR VALVE | IP STN. | DEEP ANCHOR | RECTIFIER | MARKER BALL | POLE OR HYDRANT | CATCH BASIN | DP STEEL & PE GAS MAIN | IP & TP GAS MAIN | DEAD GAS MAIN | PROPOSED GAS MAIN |
|---|----------|---------|--------|---------------|--------------------------|------------------------------|--------------|-----------------------|------------|---------------|------------------|-----------------------|--------------------|---------------------|-----------------|---------|-------------|-----------|-------------|-----------------|-------------|------------------------|------------------|---------------|-------------------|

ATTENTION: DO NOT RELY ON THIS INFORMATION ALONE. YOU MUST MANUALLY DIG TO LOCATE GAS LINES BEFORE USING EXCAVATION MACHINERY. ALL LOCATIONS ARE SHOWN APPROXIMATE ONLY AND GAS LINES BUILT AFTER THE DATE BELOW ARE NOT IN THIS INFORMATION PACKAGE. FORTISBC WILL NOT ACCEPT RESPONSIBILITY FOR ERRORS OR OMISSIONS. DEPTH OF GAS LINE NOT AVAILABLE DUE TO POSSIBLE CHANGE OF GRADE. DATE COMPILED 2017/03/16



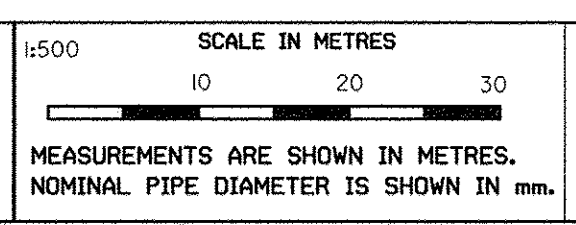
MCO 2800388970



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| ENDPLATE | REDUCER | P.C.T.         | WILKINSON TEE       | WILKINSON SADDLE STOPPER  | WILKINSON SHORT STOP FITTING | ELECTRO STOP       | ANCHORED INS DRESSER | TEST POINT       | ENCASED VALVE             | MAINTAINED INSULATED BALL VALVE | MAINTAINED BALL VALVE | MAINTAINED BALL VALVE | INSULATED CURB COCK | REGULATOR VALVE | IP STN.       | DEEP ANODE | RECTIFIER     | MARKER BALL   | POLE OR HYDRANT           | GATCH BASIN | DP STEEL & PE GAS MAIN | IP & TP GAS MAIN | DEAD GAS MAIN | PROPOSED GAS MAIN |
| PLUG     | CAP     | WILLIAMSON TEE | FULL SADDLE STOPPER | WILKINSON STOPPLE FITTING | STY. 39 & 40 INSUL. DRESSER  | NON INSUL. DRESSER | TRANSITION FITTING   | MAINTAINED VALVE | MAINTAINED WELD END VALVE | MAINTAINED BUTTERFLY VALVE      | CURB COCK             | GATE STATION          | VALVE STATION       | FARM TAP        | SURFACE ANODE | TELEMETER  | BRANCH SADDLE | SEWER MANHOLE | BCT OR ELECTRICAL MANHOLE |             |                        |                  |               |                   |

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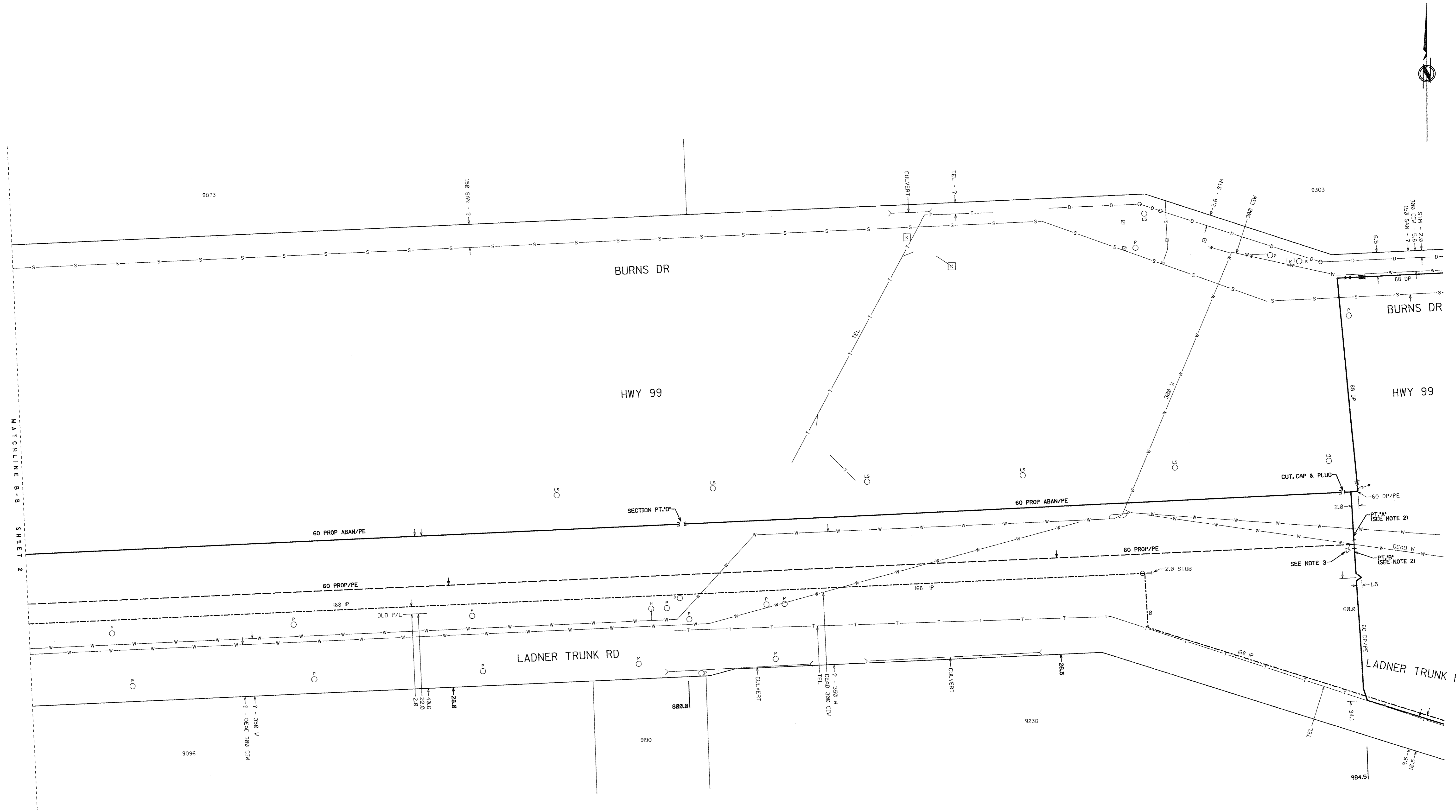


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PH. 1-888-224-2710

FORTIS BC

W.O. 2800388970

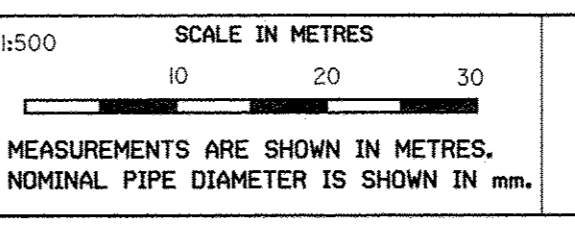
SH. 2 OF 3 REV. 0



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|---|----------|---|---------|---|----------------|---|---------------------|---|------------------------------|---|-----------------------------|---|-----------------------|---|--------------------|---|------------------|---|----------------------------|---|----------------------------|---|--------------------|---|---------------------|---|-----------------|---|----------|---|---------------|---|-----------|---|---------------|---|-----------------|---|---------------------------|---|---------------|-----|-------------------|-----|
| 1 | ENDPLATE | D | REDUCER | O | P.C.T.         | □ | HALF SADDLE STOPPER | □ | WILKINSON SHORT STOP FITTING | ⊕ | ELECTRO INS. DRESSER        | ⊕ | ANCHORED INS. DRESSER | ○ | TEST POINT         | ☑ | ENCASED VALVE    | ☑ | MAINTAINED INSULATED VALVE | ☑ | MAINTAINED BALL VALVE      | ☑ | UNMAINTAINED VALVE | ⊕ | INSULATED CURB COCK | ⊕ | REGULATOR VALVE | ⊕ | IP STN.  | ⊕ | DEEP ANODE    | ▽ | RECTIFIER | ⊕ | MARKER BALL   | ⊕ | POLE OR HYDRANT | ⊕ | CATCH BASIN               | ⊕ | DEAD GAS MAIN | --- | PROPOSED GAS MAIN | --- |
| 2 | PLUG     |   | CAP     | ● | WILLIAMSON TEE | □ | FULL SADDLE STOPPER | ⊕ | WILKINSON STOPPLE FITTING    | ⊕ | STY. 39 & NO INSUL. DRESSER | ⊕ | NON INSUL. DRESSER    | ⊕ | TRANSITION FITTING | ☑ | MAINTAINED VALVE | ☑ | MAINTAINED WELD END VALVE  | ☑ | MAINTAINED BUTTERFLY VALVE | ☑ | CURB COCK          | ⊕ | GATE STATION        | ⊕ | VALVE STATION   | ⊕ | FARM TAP | ⊕ | SURFACE ANODE | ⊕ | TELEMETER | ⊕ | BRANCH SADDLE | ⊕ | SEWER MANHOLE   | ⊕ | BCT OR ELECTRICAL MANHOLE | ⊕ |               |     |                   |     |

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