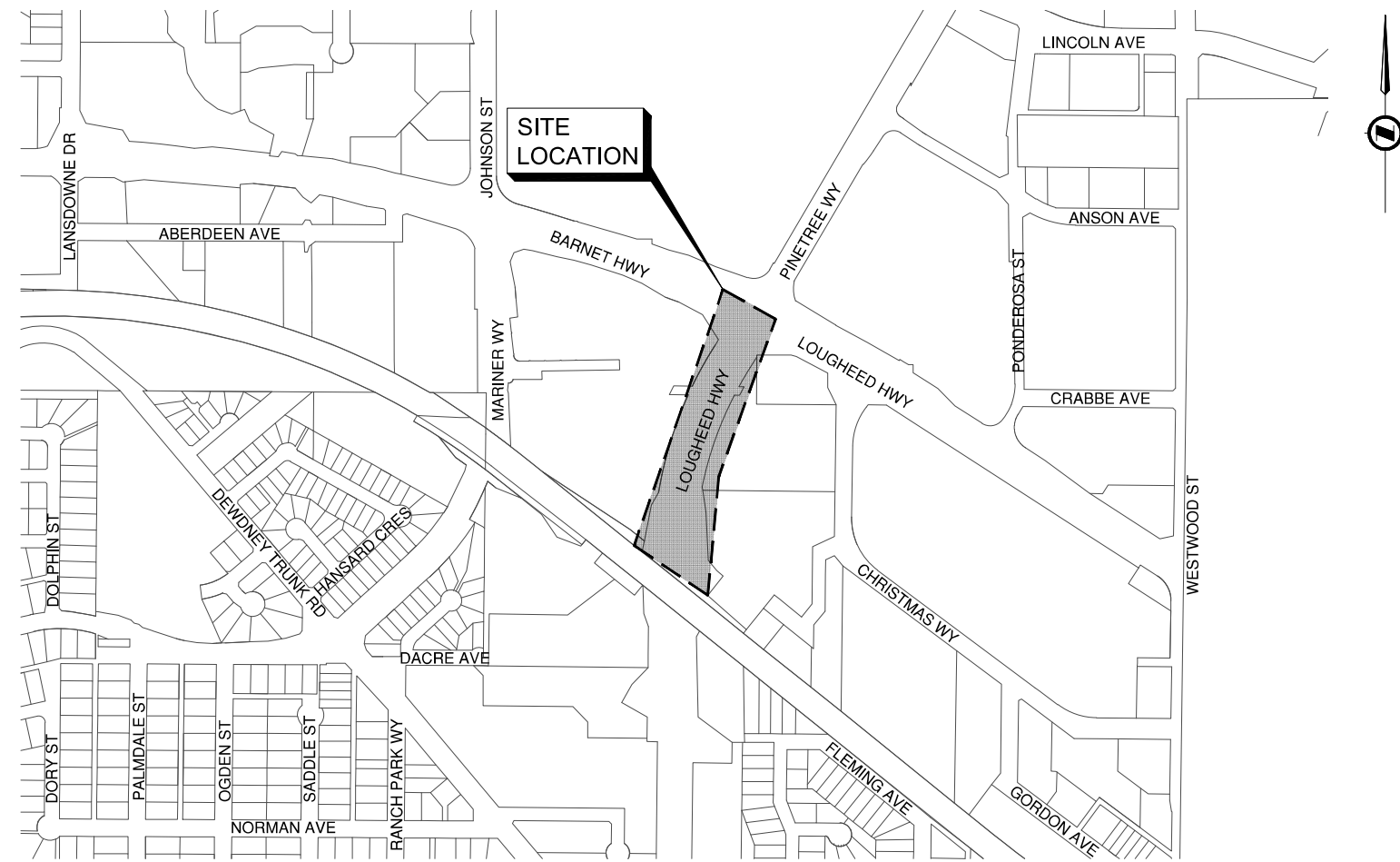




72494 - LOUGHEED HIGHWAY PAVEMENT REHABILITATION (SOUTH OF BARNET HIGHWAY)

ISSUED FOR TENDER



LOCATION PLAN



#201, 3999 Henning Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 42221
Date: 2025-04-01
Permit Number 1000419
Engineers & Geoscientists British Columbia



File: z:\Shared\Projects\34095\34095_road\highway_dwg\mha_2025-02_CADD\20_drawing\202_production\34095_SHL_COVER.dwg

GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE PLATINUM EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) AND CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS UNLESS OTHERWISE NOTED.
2. THE LOCATION OF EXISTING UTILITIES IS COMPILED FROM OWNER AND UTILITY SUPPLIED RECORD DRAWINGS AND ARE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION AND EXTENT OF UTILITIES SHOULD BE DETERMINED BY CONSULTING THE LOCAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND INVERT ELEVATION BY HAND OR HYDROVAC EXCAVATION BEFORE CONSTRUCTION OF UTILITY CROSSINGS AND SHALL BE RESPONSIBLE FOR RESTORATION OF ANY DAMAGE TO EXISTING UTILITIES. ANY COSTS ASSOCIATED WITH UTILITY CONFLICTS THAT WERE NOT PRELOCATED WILL BE THE CONTRACTORS RESPONSIBILITY.
3. NOTIFY THE CITY OF COQUITLAM 48 HOURS IN ADVANCE OF ANY CONSTRUCTION OR UTILITY RELOCATION.
4. REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER A MIN 72 HOURS PRIOR TO CONSTRUCTION.
5. RESTORATION OF EXISTING DRIVEWAYS AND WALKWAYS TO CONFORM TO CITY SPECIFICATIONS.
6. BOULEVARDS ARE TO BE CONSTRUCTED TO THE PLATINUM EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) AND CITY OF COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS UNLESS OTHERWISE SHOWN ON CONTRACT DRAWINGS. BOULEVARDS TO BE SLOPED TO INSPECTION CHAMBERS WHERE APPLICABLE.
7. EVERY EFFORT IS TO BE MADE TO SAVE EXISTING LANDSCAPING WITHIN THE ROAD R.O.W. LANDSCAPING IS TO BE RESTORED TO ITS ORIGINAL OR BETTER CONDITION. IN THE EVENT OF LANDSCAPING REMOVAL THE PROPERTY OWNER SHALL BE ADVISED OF THE REMOVAL AND THE LANDSCAPING PLACED IN OWNERS PROPERTY UPON THEIR REQUEST.
8. ALL SURVEY MONUMENTS WITHIN THE PROJECT BOUNDARIES SHALL BE PROTECTED DURING THE COURSE OF THE WORK. SHOULD ANY SURVEY MONUMENT REQUIRE RAISING OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING AND OPERATIONS DEPARTMENT AT LEAST 72 HOURS IN ADVANCE OF SCHEDULING WORK. ALL DISTURBED MONUMENTS WILL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
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15. THE CONTRACTOR SHALL ADJUST ALL AFFECTED MAN-HOLE FRAME AND COVERS A MIN. 24 HOURS PRIOR TO FINAL TOP LIFT PAVING. ANY ADJUSTMENTS THAT DO NOT MEET MMCD TOLERANCES SHALL BE IMMEDIATELY RESET AND CORRECTED.
16. ALL PAVEMENT MARKINGS PAINT TO BE THERMOPLASTIC.
17. ALL TOP LIFT PAVING JOINTS TO BE LOCATED UNDER THE THERMOPLASTIC CENTERLINE PAVEMENT MARKINGS.
18. ALL ASPHALT JOINTS MUST BE SMOOTH AND WITHOUT VISIBLE BREAKS IN GRADE.
19. SUBMIT DENSITY TESTS TAKEN ON JOINTS. NO INDIVIDUAL TEST LESS THAN 95% DENSITY.
20. ALL LANE DIMENSIONS ARE MEASURED TO THE CENTER OF LANE LINES (FOR DOUBLE LINE THE MEASUREMENT IS TO THE MIDDLE POINT BETWEEN THE 2 LINES).

TRAFFIC MANAGEMENT, NOTIFICATION AND APPROVALS NOTES:

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2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DISPOSAL AREA, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
3. THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS REQUIRED FOR THE PROPOSED WORKS HAVE BEEN OBTAINED FROM ALL AUTHORITIES AND AGENCIES PRIOR TO COMMENCING THE WORK.
4. THE CONTRACTOR SHALL ARRANGE FOR, AND COORDINATE THE WORKS DONE BY:

• CITY OF COQUITLAM; AND

• FRANCHISE UTILITIES (BC HYDRO, FORTIS GAS, BC TRANSMISSION CORP., SHAW CABLE, TELUS AND METRO VANCOUVER).
5. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE PERSONNEL AT LEAST 72 HOURS PRIOR TO THE WORK. SCHEDULING AND OTHER CONSTRUCTION CONSTRAINTS IMPOSED BY THESE WORKS SHALL BE TAKEN INTO ACCOUNT.
6. RESIDENTS DIRECTLY AFFECTED BY CONSTRUCTION OF THESE WORKS AND SERVICES SHALL BE GIVEN 5 DAYS WRITTEN NOTICE OF THE PROPOSED START OF CONSTRUCTION. THE CONTRACTOR IS TO DISTRIBUTE A NOTICE OF CONSTRUCTION LETTER TO ALL AFFECTED RESIDENTS AND BUSINESSES, FOLLOWING CONSTRUCTION ACTIVITY ON ANY PRIVATE PROPERTY, A WRITTEN RELEASE MAY BE REQUIRED FROM THE PROPERTY OWNER AT THE DISCRETION OF THE CITY.
7. A TRAFFIC AND PEDESTRIAN SAFETY CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO THE PRE-CONSTRUCTION MEETING.
8. APPROVALS FOR REQUIRED TREE CUTTING OR TRIMMING NOT INDICATED IN CONTRACT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE CITY PRIOR TO WORK BEING PERFORMED.
9. CONTRACTOR TO OBTAIN APPROVED LANE CLOSURE REQUEST FORM FOR ALL WORKS. APPROVED REQUESTS ARE CIRCULATED TO ALL EMERGENCY SERVICES.
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11. ALL TRAFFIC CONTROL TO CONFORM TO THE LATEST EDITION OF THE BC TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS.
12. APPROVAL OF NOISE VARIANCE FOR ALL WORK OUTSIDE OF NORMAL APPROVED WORK HOURS REQUIRED BY THE CITY.
13. NOTICE OF CONSTRUCTION SIGNS TO BE INSTALLED AT ALL PROJECT LIMITS AND PREFERRED DETOUR ROUTE. NOTIFY CONTRACT ADMINISTRATOR WITH CONSTRUCTION SCHEDULE AND LOCATIONS. SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETION OF ALL TAPED TEMPORARY AND PERMANENT PAINT AND THERMOPLASTIC PAVEMENT MARKINGS IN THE PLACE OF THE WORK. PERMANENT LANE MARKINGS ARE TO BE PLACED WITHIN SEVENTY-TWO (72) HOURS OF FINAL PAVING AND PERMANENT THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED WITHIN FIVE (5) DAYS OF FINAL PAVING. ALL TEMPORARY MARKINGS TO BE REMOVED IMMEDIATELY FOLLOWING PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
15. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE TRAFFIC MANAGEMENT DETAILED SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
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SNOW-PLOWABLE RECESSED PAVEMENT MARKERS (SRM) NOTES:

1. NO SRM'S TO BE INSTALLED ALONG EXISTING AND PROPOSED ROAD SHOULDER WHITE FOG LINES.
2. SRM'S TO MATCH COLOUR OF LANE PAVEMENT MARKING
3. SRM'S TO BE PLACED 300mm IN ADVANCE OF BROKEN/DASHED LINES
4. SRM'S TO BE OFFSET 50mm TO THE RIGHT OF SOLID LINES
5. SRM'S TO BE SPACED AS FOLLOWS:

5.1. EXISTING AND PROPOSED BROKEN LANE LINES - 26m

5.2. EXISTING AND PROPOSED SOLID LANES LINES - 26m

5.3. PROPOSED SOLID EDGE LINES - 26m

5.4. EXISTING AND PROPOSED DECELERATION DASHED LINES - 12m

5.5. SOLID INTERSECTION APPROACH LINES -12m
6. WHERE PAVEMENT MARKING LENGTHS ARE NOT SUFFICIENT FOR DESCRIBED SPACING, SRM'S ARE TO BE INSTALLED AT THE BEGINNING AND END OF THE PAVEMENT MARKING
7. TOP OF REFLECTORS TO BE RECESSED BELOW THE ASPHALT SURFACE WITHIN A MILLED SLOT AS PER BC MOT MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, CHAPTER 7.5.1.
8. RECESSED PAVEMENT MARKERS TYPE TO MATCH EXISTING (EXCLUDES METAL CRADLE).



| REV NO. | REVISION DESCRIPTION | DATE | DRAWN | APPRD |
|---------|----------------------|------------|-------|-------|
| A | PRELIMINARY DESIGN | 2025-03-05 | DW | GA |
| B | ISSUED FOR TENDER | 2025-04-01 | DW | GA |
| | | | | |
| | | | | |



GENERAL NOTES

LOUGHEED HIGHWAY - PAVEMENT REHABILITATION



#201, 3969 Herring Drive, Burnaby, B.C. V5C 6P9
T: (604)629-2696 F: (604)629-2698

| ISSUED FOR TENDER | | DESIGN NO. | | 34095 | |
|-------------------|---------------|---------------|----------|----------|----------------|
| SCALE | AS SHOWN | CREATION DATE | 2025-FEB | DWG. NO. | 01 OF 02 |
| DRAWN BY | DW | DESIGN BY | GA/RF | | |
| CHECKED BY | CJB/RF | APPROVED BY | GA | | |
| PLOT DATE | April 1, 2025 | | | REV. | B |

72494 - BARNET HWY AND LOUGHEED HWY (EAST-WEST SECTION) PAVEMENT REHABILITATION

GENERAL NOTES:

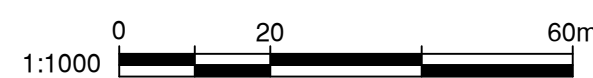
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4. SRM'S TO BE OFF-SET 50mm TO THE RIGHT OF SOLID LINES
5. SRM'S TO BE SPACED AS FOLLOWS:
 - 5.1. EXISTING AND PROPOSED BROKEN LANE LINES - 26m
 - 5.2. EXISTING AND PROPOSED SOLID LANE LINES - 26m
 - 5.3. PROPOSED SOLID EDGE LINES - 26m
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8. RECESSED PAVEMENT MARKERS TYPE TO MATCH EXISTING (EXCLUDES METAL CRADLE).



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|---------------------|-----|------------------------------|---|---------------------------|---|----------------------|
| Edge of pavement | /// | Hydrant | ◇ | Sanitary service | ⊗ | Hydro Guy Wire |
| Watermain and valve | △ | Water air valve | ◇ | Sanitary cleanout | ⊗ | Hydro Kiosk |
| Drainage sewer, MH | ⊗ | Water blowoff | ◇ | Utility pole (joint pole) | ⊗ | Vegetation Conifer |
| Drainage ditch | → | Water service | ⊗ | Utility pole with light | ⊗ | Vegetation Deciduous |
| Sanitary sewer, MH | ⊗ | S = Catch basin, top inlet | ⊗ | Streetlight, davit | ⊗ | Vegetation Shrub |
| Sanitary forcemain | ⊗ | CF = Catch basin, side inlet | ⊗ | Streetlight, top post | ⊗ | Survey Traverse Hub |
| Sanitary and valve | ⊗ | Catch basin, round | ⊗ | Survey line | ⊗ | Survey Line |
| Hydro duct, MH | ⊗ | UE = Drainage service | ⊗ | Traffic signal pole | ⊗ | Survey Lead Plug |
| Telephone duct, MH | ⊗ | T = Drainage cleanout | ⊗ | Junction box | ⊗ | Survey Monument |

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| No. | Date | By | Revisions |

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| Design by | Date |
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| R.D. | 3 APRIL/2025 |
| Checked by | Date |
| Approved by | Date |

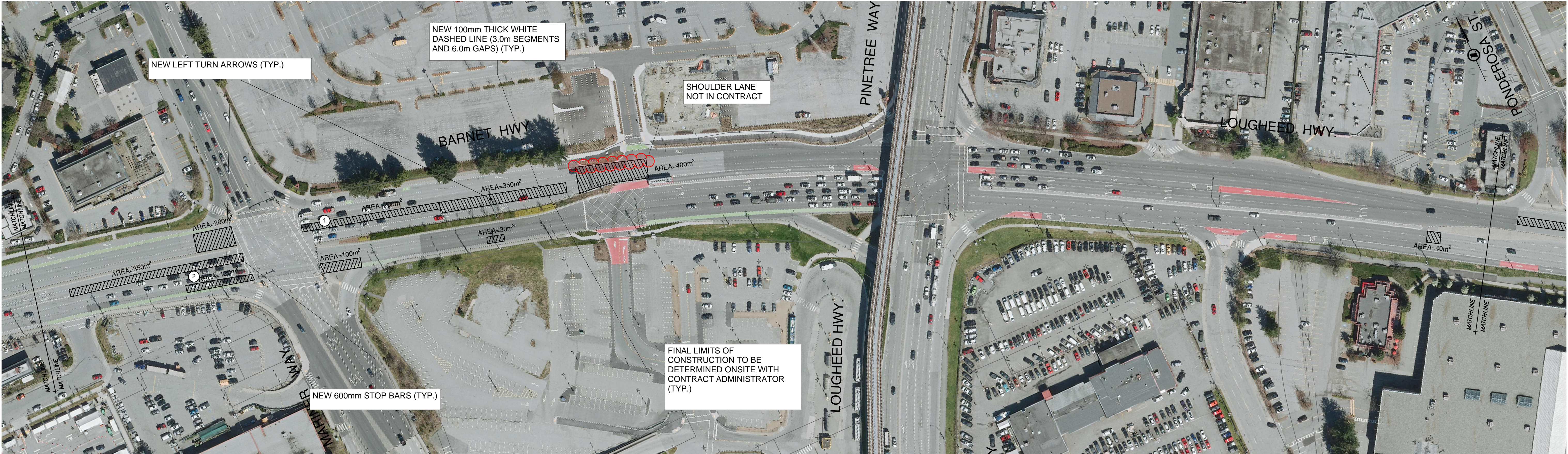
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N1

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horiz. vert.

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Eng. Project No.

| | |
|-------------|--|
| Project | BARNET HWY. AND LOUGHEED HWY. (E-W) SECTION - PAVEMENT REHABILITATION |
| Description | 2025 BARNET HIGHWAY PAVING |
| File: | 25Barnet04030415K0 |



- UP TO 75mm INLAY MILL AND PAVING (WEST OF PINETREE WAY)**
- DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR. CONTRACTOR TO TEST MILL SECTIONS WEST OF PINETREE WAY. FINAL DEPTH TO BE DETERMINED BY CONTRACT ADMINISTRATOR.
 - SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF UP TO 75mm
 - CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
 - INLAY (WITH PAVER) MILLED AREA WITH NEW HOT MIX ASPHALT TO UP TO 75MM THICKNESS. (USE MOTI CLASS 1, 19mm MEDIUM MIX WITH 80-100 GROUP A ASPHALT BINDER, COMPACTED TO NO LESS THAN 97% OF 75 BLOW MARSHALL DENSITY.)
 - SEAL ALL CONSTRUCTION JOINTS FOLLOWING THE COMPLETION OF PAVING, AND PRIOR TO INSTALLATION OF PAINT LINES.

- NOTES:**
- ADJUST ALL MANHOLES, CATCHBASINS, CLEANOUTS, VALVE COVERS, INSPECTION CHAMBERS, ETC. TO GRADE AS REQUIRED.

| ASPHALT CORE TABLE | | | |
|--------------------|----------------|-----|---------------------|
| CORE | THICKNESS (mm) | | COMMENTS |
| | TOTAL | TOP | |
| 1 | 135 | 75 | TOP LIFT SUPER PAVE |
| 2 | 190 | 70 | TOP LIFT SUPER PAVE |

PER METRO TESTING REPORT MB44931 – DEC 7, 2023



- 65mm INLAY MILL AND PAVING (EAST OF PINETREE WAY)**
- DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
 - SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 65mm.
 - CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
 - INLAY (WITH PAVER) MILLED AREA WITH NEW HOT MIX ASPHALT TO 65mm THICKNESS (USE MOTI CLASS 1, 19mm MEDIUM MIX WITH 80-100 GROUP A ASPHALT BINDER, COMPACTED TO NO LESS THAN 97% OF 75 BLOW MARSHALL DENSITY.)
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ISSUED FOR TENDER

| | | | |
|---------------------|------------------------------|--------------------------|----------------------|
| Edge of pavement | Hydrant | Sanitary service | Hydro Guy Wire |
| Watermain and valve | Water air valve | Sanitary cleanout | Hydro Kiosk |
| Drainage sewer, MH | Water blowoff | Utility pole(joint pole) | Vegetation Conifer |
| Drainage ditch | Water service | Utility pole with light | Vegetation Deciduous |
| Sanitary sewer, MH | Catch basin, top inlet | Streetlight, davit | Vegetation Shrub |
| Sanitary forcemain | SFM— Catch basin, side inlet | Streetlight, post top | Survey Traverse Hub |
| Gasmain and valve | G— Catch basin, round | Comb signal pole | Survey Iron Pin |
| Hydro duct, MH | UE— Drainage service | Traffic signal pole | Survey Lead Plug |
| Telephone duct, MH | T— Drainage cleanout | Junction box | Survey Monument |

| No. | Date | By | Revisions |
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| Design by | Date |
| Drawn by | Date |
| R.D. | 3 APRIL/2025 |
| Checked by | Date |
| Approved by | Date |

Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale
horiz. 1:1000
Sheet of 1 OF 1
Eng. Project No.

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| Project | BARNET HWY. AND LOUGHEED HWY. (E-W) SECTION - PAVEMENT REHABILITATION |
| Description | 2025 BARNET HIGHWAY PAVING |
| File | 25Barnet04030415K0 |