

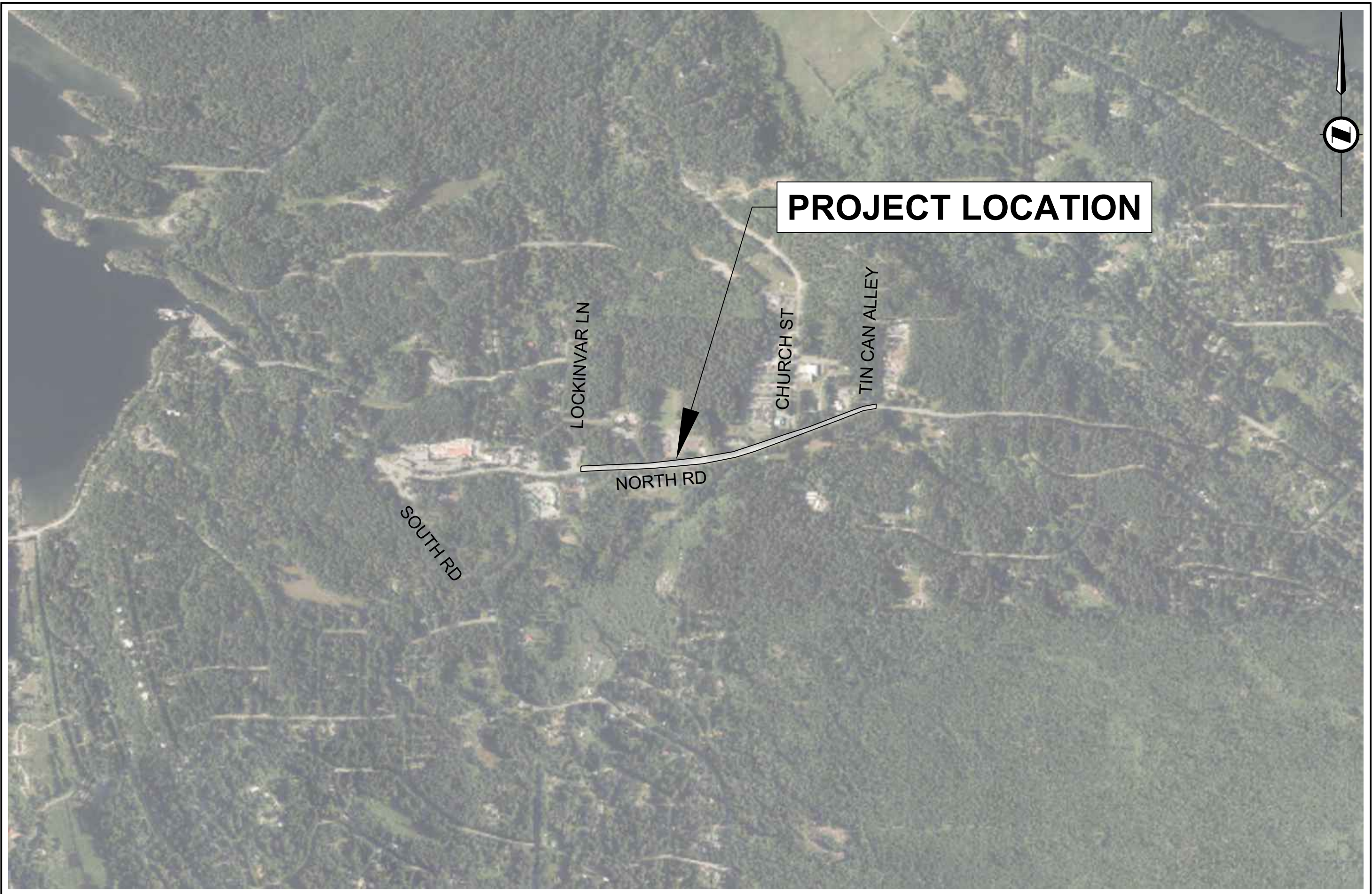
# REGIONAL DISTRICT OF NANAIMO

## VILLAGE WAY PAVING

ISSUED FOR TENDER  
October 2023

GABRIOLA ISLAND,  
BRITISH COLUMBIA

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LOCATION PLAN



1051 Vancouver St, Victoria, BC V8V 3K3  
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GENERAL NOTES:

1.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH:

• THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT AND STANDARD DETAIL DRAWINGS (MMCD 2009, PLATINUM EDITION), UNLESS OTHERWISE NOTED;

• APPLICABLE CONTRACT DOCUMENTS AND ALL SPECIFICATIONS REFERENCED THEREIN;

• MINISTRY OF ENVIRONMENT AND/OR FEDERAL DEPARTMENT OF FISHERIES AND OCEANS;

• MINISTRY OF TRANSPORTATION "BC TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS", LATEST EDITION; AND

• WORK SAFE BC, LATEST EDITION.

THE CONTRACTOR SHALL MAINTAIN ON SITE COPIES OF THE ABOVE DOCUMENTS AND SHALL ENSURE THAT ALL SUB CONTRACTORS ARE THOROUGHLY FAMILIAR WITH THE APPLICABLE SECTIONS OF THE DOCUMENTS.

2.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING STREETS, SERVICES, SIGNS, LANDSCAPING, DRIVEWAY LETDOWNS, PRIVATE LANDSCAPING, OR PRIVATE IMPROVEMENTS THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION. REPAIRS TO EXISTING RDN SERVICES SUCH AS WATER, SANITARY SEWER, STORM SEWER, AND STREET OR TRAFFIC LIGHTING SHALL BE MADE BY THE OWNER AT COST TO THE CONTRACTOR. REPAIRS TO EXISTING SURFACE WORKS MAY BE DONE BY THE CONTRACTOR AT THE DISCRETION OF THE CONTRACT ADMINISTRATOR.

3.

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 PRE-LOCATED WILL BE THE CONTRACTORS RESPONSIBILITY.

4.

REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR A MINIMUM 72 HOURS PRIOR TO CONSTRUCTION TO ENSURE THAT THE LINE AND GRADE CAN BE ADJUSTED TO SUIT FIELD CONDITIONS AS REQUIRED.

5.

RESTORATION OF EXISTING DRIVEWAYS, CURBS, STAIRS AND WALKWAYS TO CONFORM TO RDN SPECIFICATIONS AND TO BE INCIDENTAL TO THE UNIT PRICES IN THE CONTRACT.

6.

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.

7.

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 CONTRACT ADMINISTRATOR AT LEAST 72 HOURS IN ADVANCE OF SCHEDULING WORK.

8.

SURVEY PINS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

9.

ALL PUBLIC ROADWAYS AFFECTED BY THE WORKS SHALL BE KEPT IN A CLEAN STATE AT ALL TIMES AND FREE OF EQUIPMENT AND MATERIALS AT ALL TIMES WHEN CONSTRUCTION ACTIVITY IS NOT UNDERWAY. DUST CONTROL MEASURES SHALL ALSO BE EMPLOYED.

10.

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK. -THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT DISRUPTION TO SERVICE SHOULD BE MINIMIZED AND COORDINATED WITH THE CONTRACT ADMINISTRATOR AND OWNER. IF DISRUPTION IS ANTICIPATED, TO NOTIFY THE CONTRACT ADMINISTRATOR & OWNER A MINIMUM OF 72 HOURS PRIOR, AND OBTAIN APPROVAL FOR THE DISRUPTION.

11.

THE CONTRACTOR SHALL PROVIDE TEMPORARY PATCHING OF SIDEWALKS AND CURBS AND GUTTERS TO BE MADE WITH COLD MIX AND MEET THE EXISTING SURFACE.

12.

GRASS AREAS AT EDGES OF PERMEABLE PAVING SECTION TO BE REINSTATED WITH 150mm OF TOPSOIL AND HYDROSEEDDED TO EXISTING OR BETTER CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR A 1 YEAR MAINTENANCE PERIOD.

13.

SEE TAC ACTIVE TRANSPORTATION DESIGN GUIDE 2019 EDITION FOR PAVEMENT MARKINGS.

14.

SURFACE MILLING INCLUDES ALL BUTT JOINTS, AND MINOR PROFILING AS SHOWN ON THE CONTRACT DRAWINGS AND AS DIRECTED BY THE CONTRACT ADMINISTRATOR. BUTT JOINTS TO BE SURFACE MILLED TO 0 TO 50mm OVER MIN. 5m LENGTH OR AS DIRECTED BY CONTRACT ADMINISTRATOR. BUTT JOINTS TO BE "KEYED IN".

15.

THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETION OF ALL TAPED TEMPORARY AND PERMANENT PAINT AND THERMOPLASTIC PAVEMENT MARKINGS IN THE *PLACE OF THE WORK*. THE OWNER WILL NOT BE PROVIDING ROAD MARKING DRAWINGS FOR THE INSTALLATION OF PERMANENT MARKINGS. THE CONTRACTOR SHALL THEREFORE BE REQUIRED TO PERFORM ANY PRE AND POST-CONSTRUCTION SURVEY WORK ESSENTIAL FOR THE REINSTATEMENT OF PERMANENT PAVEMENT MARKINGS TO THEIR PRE-CONSTRUCTION LOCATIONS. TEMPORARY PAVEMENT MARKINGS ARE TO BE PLACED DAILY. 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.

16.

QUALITY PROGRAM TO BE IMPLEMENTED AS FOLLOWS:

16.1. PROOF ROLL TEST FOR ENTIRE LENGTH OF GRAVEL PATH (WITNESSED BY ENGINEER REPRESENTATIVE)

16.2. 1 SIEVE ANALYSIS FOR IMPORT GRANULAR MATERIAL

16.3. 2 ASPHALT MIX DESIGNS (1 FOR EACH SPEC)

16.4. 3 ASPHALT COMPACTION TESTS

16.5. 1 CORE SAMPLE FOR POROUS ASPHALT

ENVIRONMENTAL NOTES:

1.

ALL CATCHBASINS IN PROXIMITY TO TRENCH WORK OR EXPOSED ROAD BASE WILL BE FITTED WITH MANUFACTURED INLET CONTROL DEVICES AND OR "FILTER SACK" TYPE CATCHBASIN CONTROL (OR APPROVED ALTERNATIVE). CONTROL DEVICES TO BE MAINTAINED IN A FULLY FUNCTIONAL STATE AT ALL TIMES.

2.

INLET CONTROL DEVICES (I.E. FILTER SACKS) MUST HAVE A MINIMUM 8" " DROP FROM SURFACE OF THE CATCHBASIN.

3.

UNDER NO CIRCUMSTANCES ARE CATCHBASINS TO BE FITTED WITH GEOTEXTILE SHEATHS CUT FROM STOCKPILE ROLLS.

4.

AVOID EARTH DISTURBING ACTIVITIES DURING SUBSTANTIAL RAIN EVENTS.

5.

THE CONTRACTOR SHOULD AVOID STOCKPILING SOILS, SANDS AND OTHER ERODIBLE MATERIALS ONSITE WHERE POSSIBLE. IT IS PREFERABLE TO " HOT-LOAD" SPOIL DIRECTLY INTO TRUCKS FOR OFFSITE DISPOSAL. IF TEMPORARY WASTE OR SOIL STOCKPILES ARE NECESSARY, MAKE SURE THEY ARE FULLY COVERED WITH POLYETHYLENE DRAWING OR TARPS AND WEIGHTED WITH SANDBAGS.

6.

TRACKING OF SEDIMENT, SOIL AND/OR ROADBASE FROM WORKSITE TO VEHICLE TRAVEL LANES MUST BE PREVENTED.

7.

ROADS MUST BE SWEPT CLEAN OF SOIL, LOOSE ROAD BASE, EARTH AND SEDIMENT. MECHANICAL SWEEPING IS PREFERRED TO MANUAL SWEEPING. HOWEVER, FREQUENT HAND SWEEPING IS PREFERABLY TO ONCE DAILY MECHANICAL SWEEPING.

8.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SEDIMENT OR SEDIMENT LADEN WATER IS DISCHARGED FROM THE WORKS TO THE OWNER'S DRAINAGE SYSTEM .

9.

AN EMERGENCY SPILL KIT WILL BE KEPT ONSITE AT ALL TIMES THE CONTRACTOR IS OPERATING. SPILL KITS MUST INCLUDE BOOMS, SPILL PADS, GLOVES, AND CATCHBASIN BARRIERS. A SPILL KIT WITH AT LEAST 125 LITRES ABSORBENCY IS RECOMMENDED. SANDBAGS AND A SUPPLY OF SAND MUST BE KEPT ONSITE.

10.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP A SPILL RESPONSE PLAN THAT PROVIDES WRITTEN SAFE WORK PROCEDURES IN THE EVENT OF A SPILL.

11.

THE CONTRACTOR IS TO HAVE ONSITE SODIUM THIOSULPHATE TO TREAT CHLORINATED WATER IN THE EVENT OF A WATER MAIN BREAK.

12.

THE CONTRACTOR IS TO DISPOSE OF CHLORINATED WATER AT AN APPROVED LOCATION ONLY AFTER APPROPRIATE TREATMENT WITH SODIUM THIOSULPHATE. AT NO TIME WILL THE CONTRACTOR DISCHARGE CHLORINATED WATER DIRECTLY TO A CATCHBASIN, CREEK, DITCH OR SWALE.

13.

THE CONTRACTOR IS TO OBTAIN OWNER'S APPROVAL PRIOR TO DISCHARGING FLUSHING WATER OR DISINFECTION WATER TO OWNER SANITARY SEWER MANHOLES.

PARKS NOTES:

1.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ARBORIST SERVICES.

2.

ALL EXCAVATION WORK WITHIN 5 METRES OF ALL TREES SHALL BE SUPERVISED BY AN I.S.A. CERTIFIED ARBORIST (PROJECT ARBORIST).

3.

THE CONTRACTOR MUST CONTACT THE PARKS DIVISION PRIOR TO THE START OF SITE WORK TO IDENTIFY THE PROJECT ARBORIST AND PROVIDE THE DATES THAT THE PROJECT ARBORIST WILL BE ON SITE.

4.

TREE PROTECTION MEASURES MUST BE USED TO RETAIN THE HEALTH, STRUCTURE, STABILITY AND REDUCE NEGATIVE IMPACTS TO THE TREES.

5.

ROOTS CRITICAL FOR TREE HEALTH, STRUCTURE AND STABILITY SHALL BE PRESERVED AND PROTECTED THROUGHOUT THE PROJECT.

6.

THE PROJECT ARBORIST SHALL UNDERTAKE/SUPERVISE ALL REQUIRED ROOT CUTTING.

7.

NON-DAMAGING METHODS OF EXCAVATION ARE REQUIRED AROUND TREES, AIR SPADING, HAND DIGGING AND HYDRO EXCAVATION MAY BE REQUIRED AS DIRECTED BY THE PROJECT ARBORIST.

8.

WHEN HYDRO-EXCAVATING, LOW PRESSURE OR HAND DIGGING MUST BE USED TO EXPOSE THE TREE ROOTS. ONCE EXPOSED, THE ROOTS MUST BE WRAPPED FOR PROTECTION FROM DAMAGE.

9.

WHEN ROOTS ARE TO REMAIN EXPOSED FOR MORE THAN 2 DAYS, PROTECTION MUST BE PUT IN PLACE TO STOP DRYING AND DESICCATION OF THE EXPOSED ROOTS.

10.

THE PARKS DIVISION MUST BE CONTACTED IMMEDIATELY IF THE PROJECT ARBORIST IDENTIFIES DECAY, STRUCTURAL FLAW, TREE INSTABILITY OR CONSTRUCTION IMPACTS THAT REQUIRE THAT A TREE OR PORTION OF A TREE BE REMOVED.

11.

THE PROJECT ARBORIST SHALL PROVIDE A WRITTEN REPORT TO RDN PARKS DETAILING THE WORK THAT WAS UNDERTAKEN, IMPACTS TO THE TREE/TREES AND ANY RECOMMENDED REMEDIAL WORK.

12.

HYDROSEEDING TO BE USED FOR TOPSOIL SURFACE RESTORATION WHERE POSSIBLE.

13.

RDN TO PROVIDE DUMP SITE FOR EXCESS GRAVEL AT DESCANSO BAY REGIONAL PARK, 595 TAYLOR BAY ROAD, GABRIOLA. DUMP SITE AVAILABLE FOR GRAVEL ONLY. ABSOLUTELY NO ASPHALT OR FILL SOILS ACCEPTED.

TRAFFIC MANAGEMENT, NOTIFICATION AND APPROVAL NOTES:

1.

THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, FLASHING INDICATORS, ETC. AT ALL TIMES TO ENSURE THE SAFETY OF THE PUBLIC. TRAFFIC CONTROL WILL BE REQUIRED FOR ALL CONSTRUCTION WORKS WITHIN THE TRAVELED PORTION OF THE ROAD. NO ROAD SHALL BE CLOSED WITHOUT THE WRITTEN CONSENT OF THE OWNER.

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.

RESIDENTS, BUSINESSES & SCHOOL DISTRICT 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. LETTER TO DIRECT INQUIRIES TO CONTRACT ADMINISTRATOR. FOLLOWING CONSTRUCTION ACTIVITY ON ANY PRIVATE PROPERTY, A WRITTEN RELEASE MAY BE REQUIRED FROM THE PROPERTY OWNER AT THE DISCRETION OF THE OWNER.

5.

APPROVALS FOR REQUIRED TREE CUTTING OR TRIMMING NOT INDICATED IN CONTRACT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE OWNER PRIOR TO WORK BEING PERFORMED.

6.

CONTRACTOR TO OBTAIN APPROVED LANE CLOSURE REQUEST FORM FOR ALL WORKS. APPROVED REQUESTS ARE CIRCULATED TO ALL EMERGENCY SERVICES.

9.

CONTRACTOR TO SUBMIT A TRAFFIC MANAGEMENT PLAN WITH LANE CLOSURE REQUEST FOR ALL MAJOR ROADS AND ANY LOCAL ROADS WHICH REQUIRE ANY DETOURS.

10.

ALL TRAFFIC CONTROL TO CONFORM TO THE LATEST EDITION OF THE BC MOTI TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS.

11.

APPROVAL OF NOISE VARIANCE FOR ALL WORK OUTSIDE OF NORMAL APPROVED WORK HOURS REQUIRED BY THE RDN.

12.

NOTICE OF CONSTRUCTION SIGNS TO BE INSTALLED AT PROJECT LIMITS AS PER BELOW. NOTIFY CONTRACT ADMINISTRATOR WITH CONSTRUCTION SCHEDULE AND LOCATIONS. SIGNS PROVIDED AND INSTALLED BY CONTRACTOR.

13.

CONTRACTOR TO PROVIDE NOTICE OF CONSTRUCTION SIGNS AT LOCATIONS DETERMINED BY THE CONTRACT ADMINISTRATOR A MINIMUM OF 5 DAYS PRIOR TO THE START OF CONSTRUCTION.

14.

NO WORKS TO TAKE PLACE BEFORE 9AM OR AFTER 2PM IN FRONT OF SCHOOL, MONDAY TO FRIDAY

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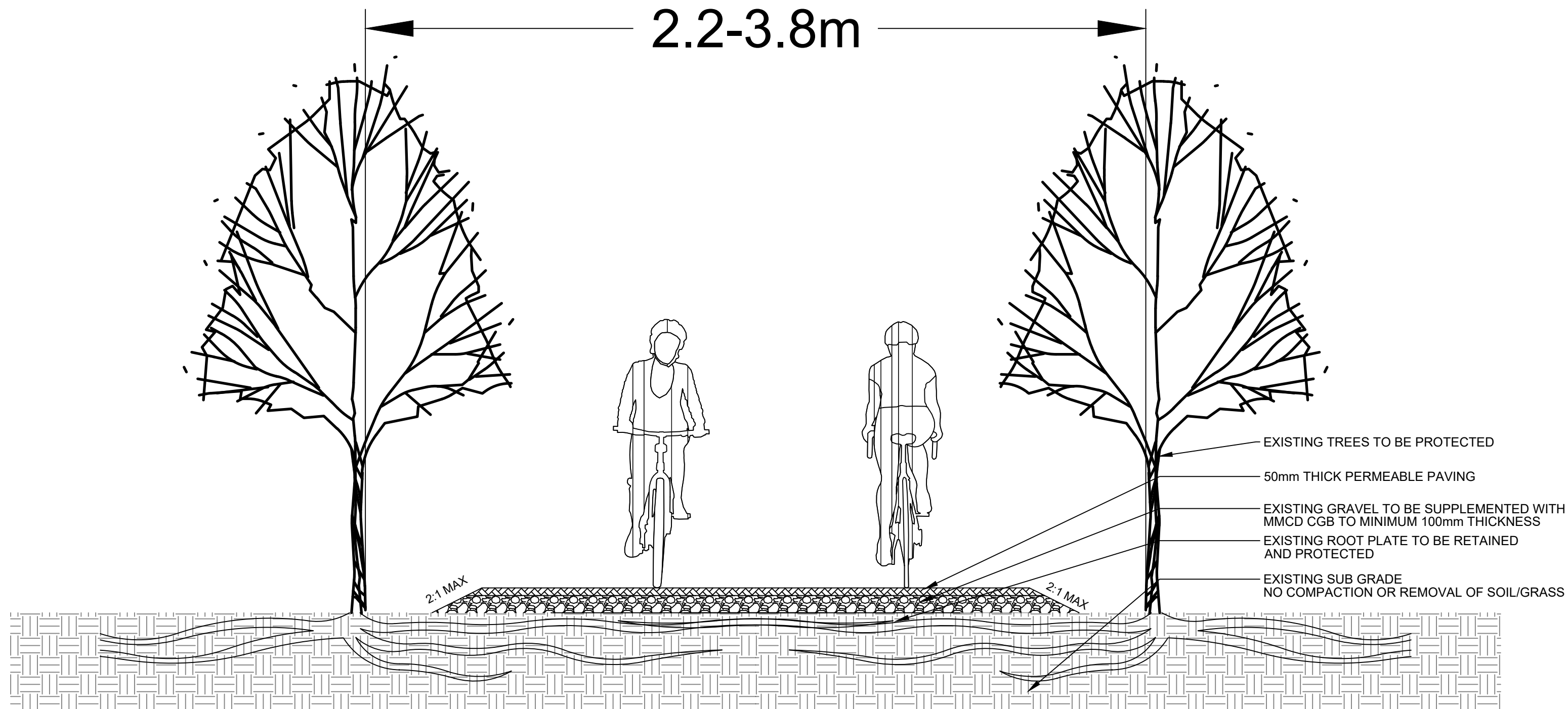
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VILLAGE WAY PAVING  
GENERAL NOTES

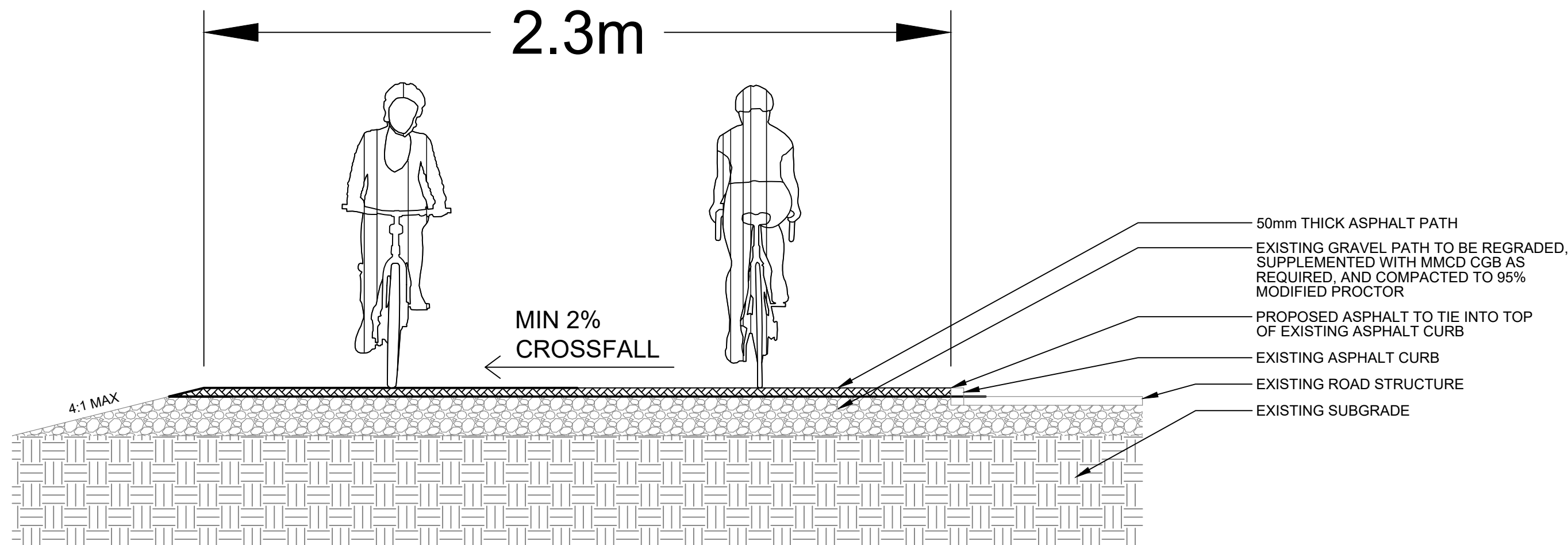
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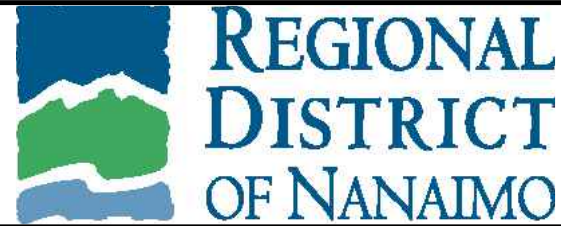
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TYPICAL MUP PAVING SECTION  
SCALE: NTS

PLOT DATE: October 25, 2023

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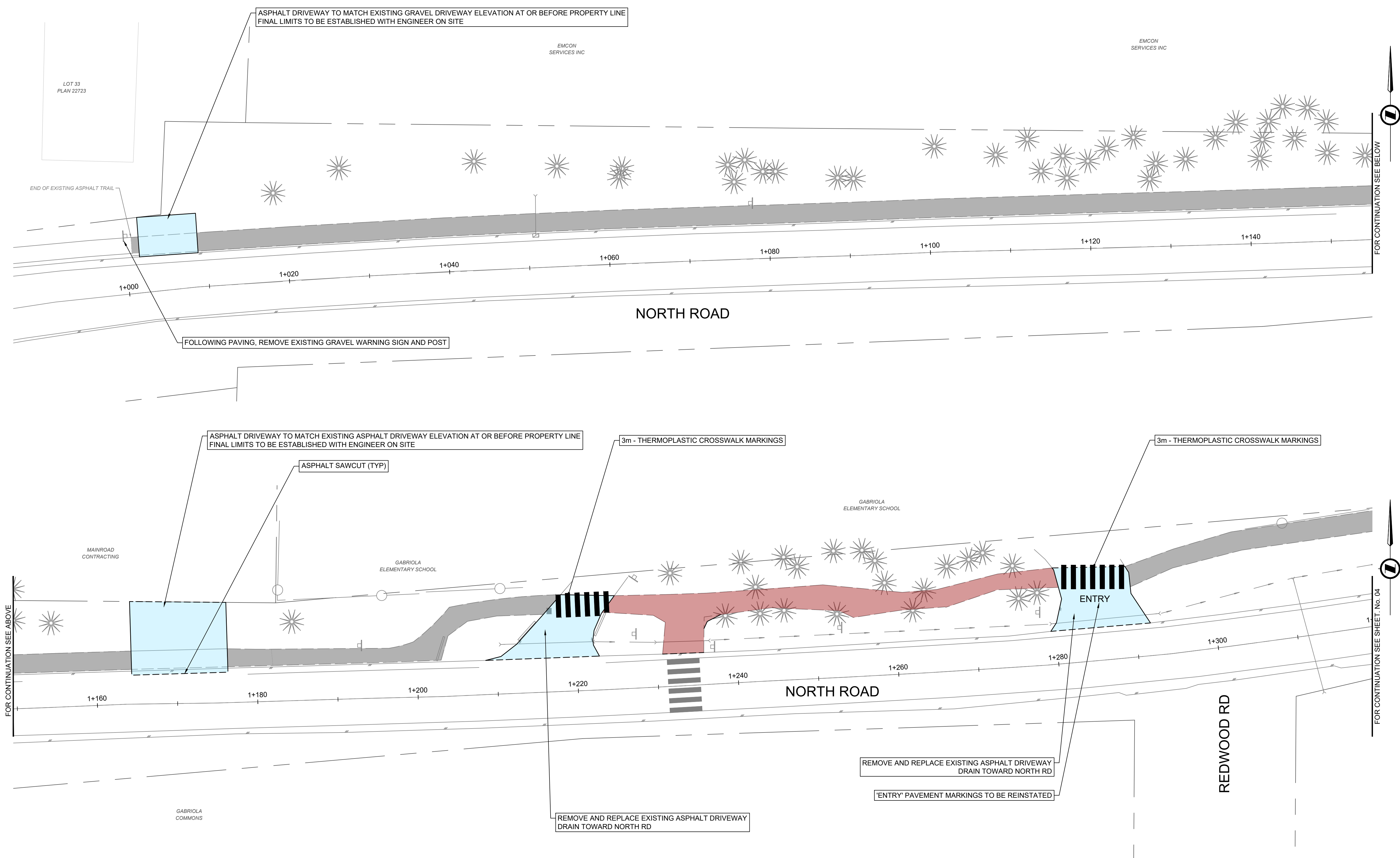
VILLAGE WAY PAVING  
TYPICAL SECTIONS



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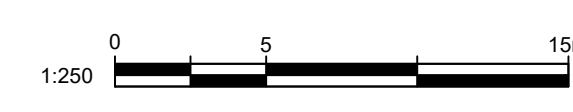
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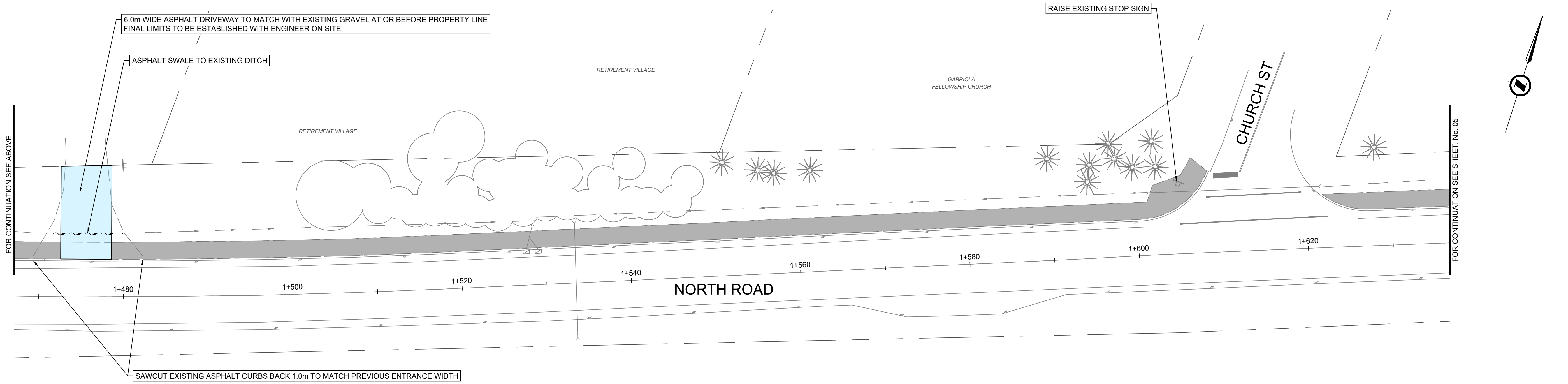
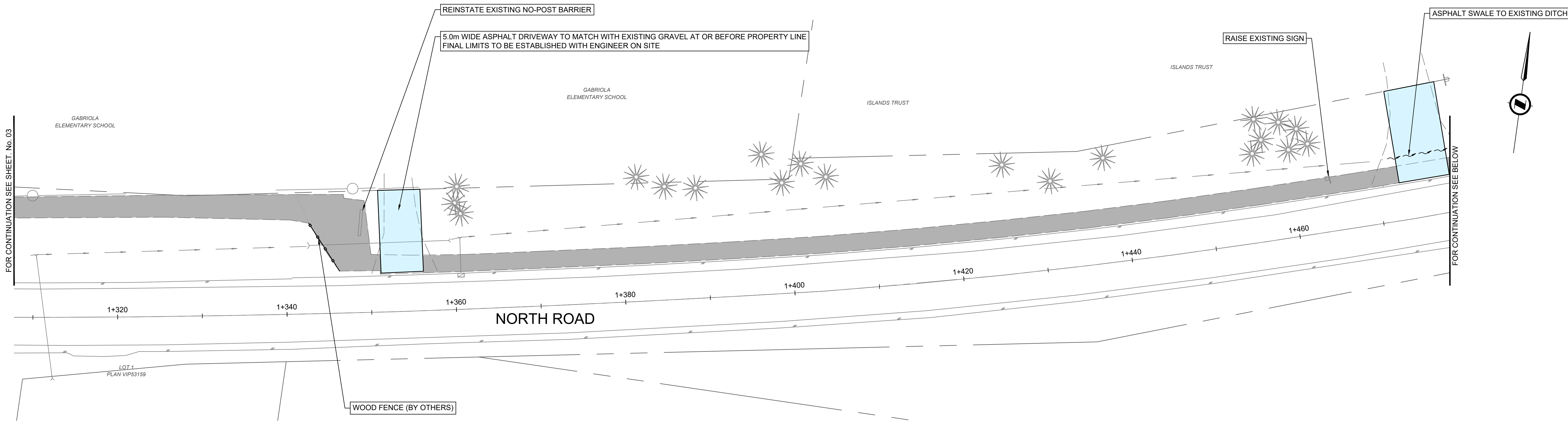


- TREATMENT LEGEND
- ASPHALT PATH  
REGRADE EXISTING BASE GRAVEL. SUPPLEMENT WITH MMCD CGB AS REQUIRED  
PLACE 50mm MMCD UC #1 AND COMPACT TO 97% OF 75 BLOW MARSHALL  
SEE TYPICAL SECTION ON SHEET 2
  - PERMEABLE ASPHALT  
PLACE 100mm THICK MMCD CGB  
PLACE 50mm OPEN GRADED ASPHALT MIX WITH MINIMUM POROSITY OF 16%  
SEE TYPICAL SECTION ON SHEET 2
  - ASPHALT DRIVEWAY  
REMOVE EXISTING ASPHALT (THICKNESS UNKNOWN)  
SUPPLEMENT WITH MMCD CGB AS REQUIRED AND REGRADE  
PLACE 50mm MMCD UC #1 AND COMPACT TO 97% OF 75 BLOW MARSHALL

PLAN  
SCALE: 1:250

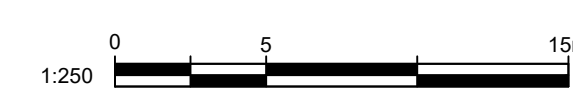






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SCALE: 1:250



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ROAD  
WORKS

VILLAGE WAY PAVING

STA. 1+310 - 1+630





1051 Vancouver St, Victoria, BC V8V 3K3  
T: (250) 361-3230 F: (250) 361-3776

ISSUED FOR TENDER

DESIGN NO.

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DRAWN BY	TK	DESIGN BY	TK
CHECKED BY	IM	APPROVED BY	IM

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