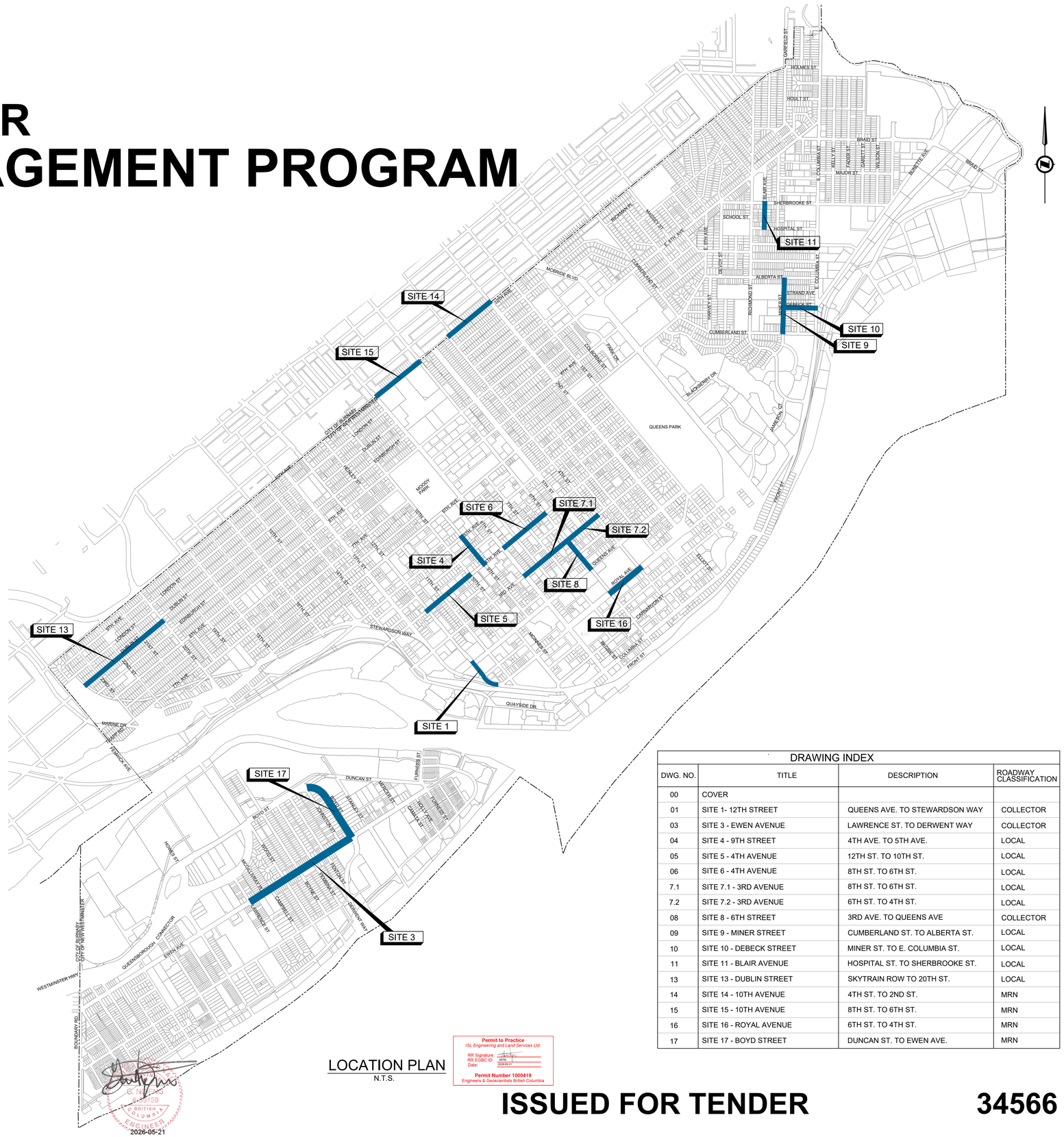
NEW WESTMINSTER

CITY OF NEW WESTMINSTER
2026 PAVEMENT MANAGEMENT PROGRAM
NWIT-26-__



LOCATION PLAN
N.T.S.

DRAWING INDEX			
DWG. NO.	TITLE	DESCRIPTION	ROADWAY CLASSIFICATION
00	COVER		
01	SITE 1- 12TH STREET	QUEENS AVE. TO STEWARDSON WAY	COLLECTOR
03	SITE 3 - EWEN AVENUE	LAWRENCE ST. TO DERWENT WAY	COLLECTOR
04	SITE 4 - 9TH STREET	4TH AVE. TO 5TH AVE.	LOCAL
05	SITE 5 - 4TH AVENUE	12TH ST. TO 10TH ST.	LOCAL
06	SITE 6 - 4TH AVENUE	8TH ST. TO 6TH ST.	LOCAL
7.1	SITE 7.1 - 3RD AVENUE	8TH ST. TO 6TH ST.	LOCAL
7.2	SITE 7.2 - 3RD AVENUE	6TH ST. TO 4TH ST.	LOCAL
08	SITE 8 - 6TH STREET	3RD AVE. TO QUEENS AVE	COLLECTOR
09	SITE 9 - MINER STREET	CUMBERLAND ST. TO ALBERTA ST.	LOCAL
10	SITE 10 - DEBECK STREET	MINER ST. TO E. COLUMBIA ST.	LOCAL
11	SITE 11 - BLAIR AVENUE	HOSPITAL ST. TO SHERBROOKE ST.	LOCAL
13	SITE 13 - DUBLIN STREET	SKYTRAIN ROW TO 20TH ST.	LOCAL
14	SITE 14 - 10TH AVENUE	4TH ST. TO 2ND ST.	MRN
15	SITE 15 - 10TH AVENUE	8TH ST. TO 6TH ST.	MRN
16	SITE 16 - ROYAL AVENUE	6TH ST. TO 4TH ST.	MRN
17	SITE 17 - BOYD STREET	DUNCAN ST. TO EWEN AVE.	MRN

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 38159
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

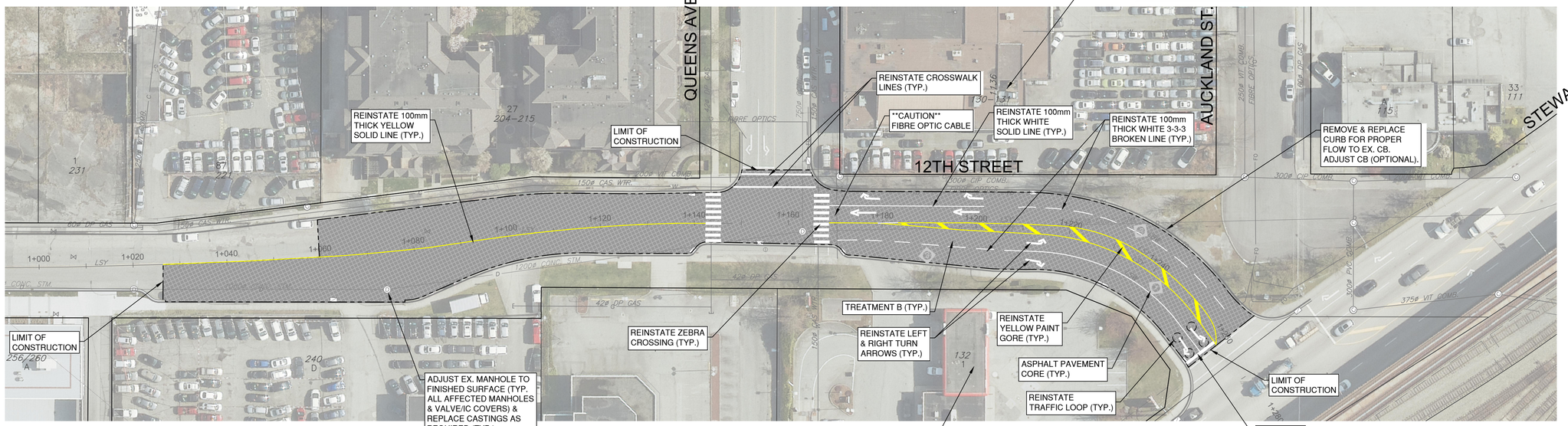
PROFESSIONAL ENGINEER
S. NIELSEN
38159
BRITISH COLUMBIA
ENGINEER
2026-05-21

ISSUED FOR TENDER

34566

ISL
8506 200 St #201, Langley Twp, BC V2Y 0M1
T: (604)371-0091 F: (604)371-0098

CORE NO.	THICKNESS	
	TOTAL	TOP
1	110	35
2	180	70
3	290	90

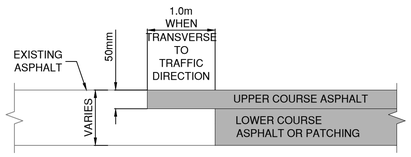


**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 115mm.
3. IF GRAVELS PRESENT, GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 65mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 50mm THICKNESS (USE MMCD STANDARD - 19.0mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NGENG # 35159 BRITISH COLUMBIA ENGINEER
2026-05-21

Consultant Card

ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
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RR Signature:
RR EGBC ID 38159
Date: 2026-05-21
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Engineers & Geoscientists British Columbia

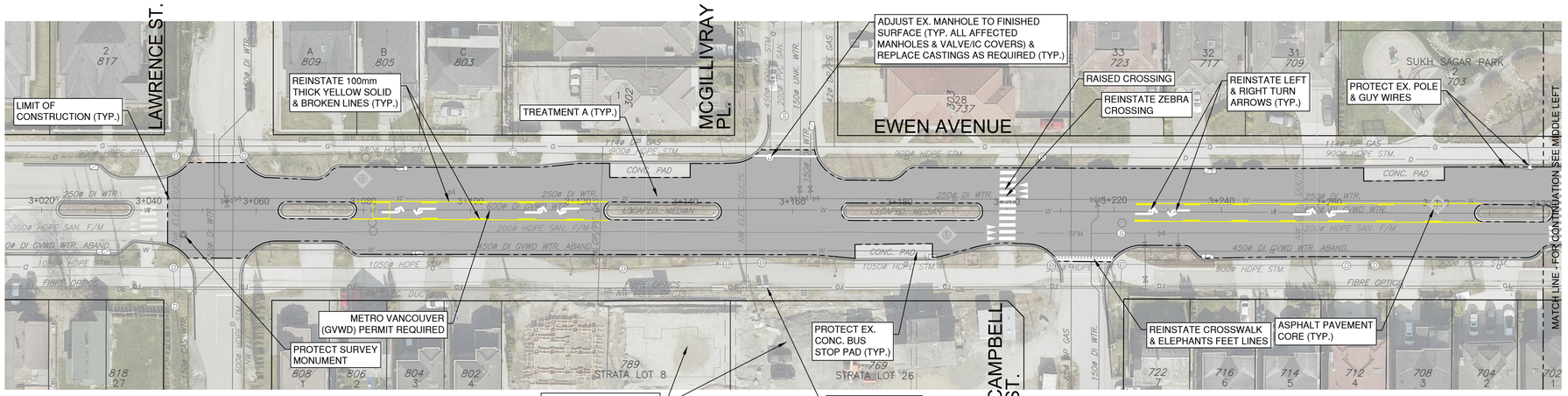
		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project
2026 PAVEMENT MANAGEMENT PROGRAM
SITE 1- 12TH STREET
QUEENS AVE. TO STEWARDSON WAY

Drawn	NL	Sheet	y/m/d
Checked	GN	01 of 16	2026-02-28
Designed	HA	Scale H = 1:500 V =	
Checked		Drawing No.	Rev.
City Project No.		01	B
Project No.	34566		

ISSUED FOR TENDER

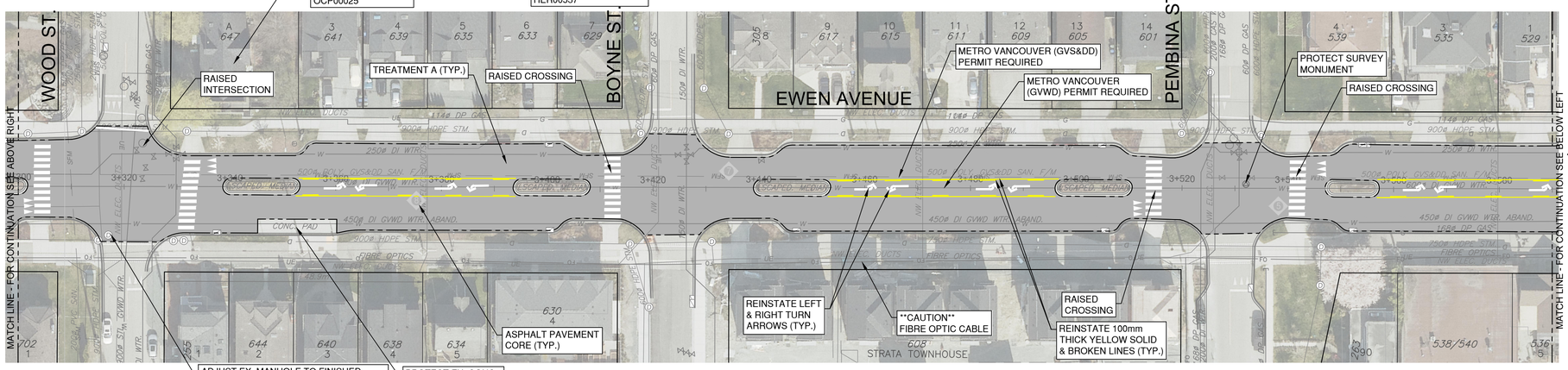
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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	170	70
2	240	70
4	145	53
5	135	45
7	180	65
8	320+	50
10	230	55
11	280+	65
13	160	65
14	165	55
15	250	50

TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 65mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. SUPPLEMENT WITH 19mm CRUSHED GRANULAR BASE MATERIAL. RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 80mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 70mm THICKNESS (USE MMCD STANDARD - 12.5mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.



**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

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METRO VANCOUVER (GVWD) PERMIT REQUIRED

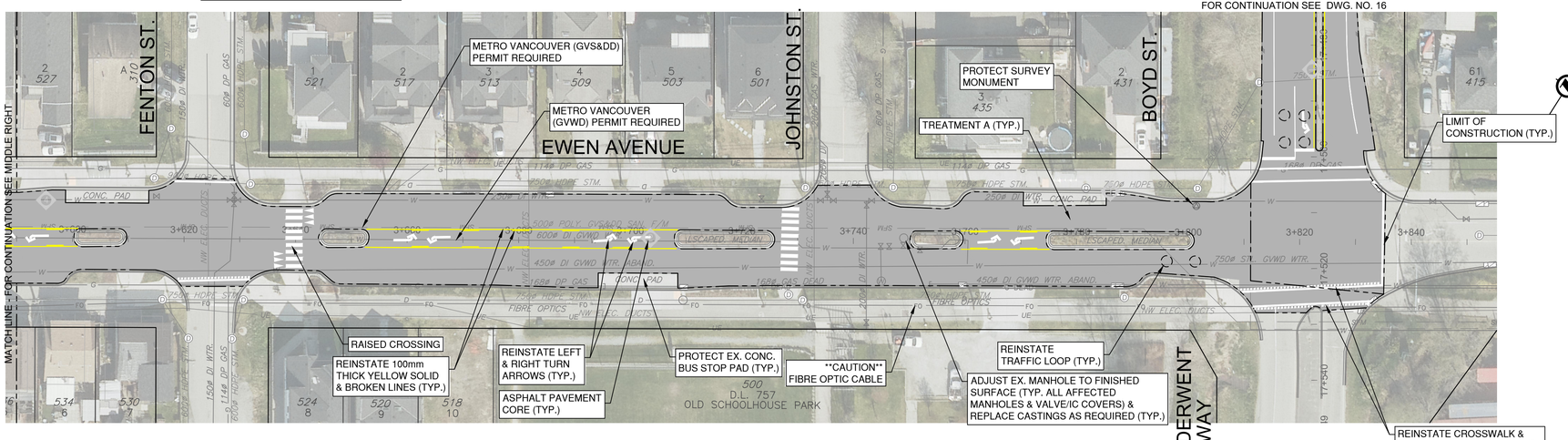
ASSET LOCATION

PLEASE ENSURE THAT THE GVWD WATERMAIN IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVWD WATERMAIN ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVWD WATERMAIN ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVWD WATERMAINS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVWD WATERMAINS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVWD WATERMAIN PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER'S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVWD WATERMAIN. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

FOR CONTINUATION SEE DWG. NO. 16



METRO VANCOUVER (GVS&DD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVS&DD SEWER IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVS&DD SEWER ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVS&DD SEWER ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVS&DD SEWERS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVS&DD SEWERS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVS&DD'S PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVS&DD SEWERS. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

GVS&DD MANHOLES ARE TO BE ADJUSTED (AS REQUIRED) TO MEET THE FINAL RESTORATION GRADES. ADJUSTED MANHOLE LIDS SHOULD NOT BE LOCATED IN CURB AND GUTTER LINES. PLEASE NOTE THAT GVS&DD DOES NOT PERMIT USE OF CONCRETE GRADE RINGS GREATER THAN 3 X 50mm THICKNESS. IF THERE IS A NEED TO ADD HEIGHT WHEN THE MAXIMUM HEIGHT OF GRADE RINGS + NON-SHRINK MORTAR (200mm TOTAL) HAS ALREADY BEEN OR WILL BE EXCEEDED ABOVE THE MANHOLE LID/DONUT, GVS&DD REQUESTS THAT YOU SUPPLY AND INSTALL NEW MANHOLE BARREL RISERS OF SUITABLE HEIGHT.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NIVENG # 37159 BRITISH COLUMBIA ENGINEER
2026-05-21

Consultant Card

ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
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Permit to Practice
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RR Signature:
RR EGBC ID: 38159
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

2026 PAVEMENT MANAGEMENT PROGRAM

SITE 3 - EWEN AVENUE
LAWRENCE ST. TO DERWENT WAY

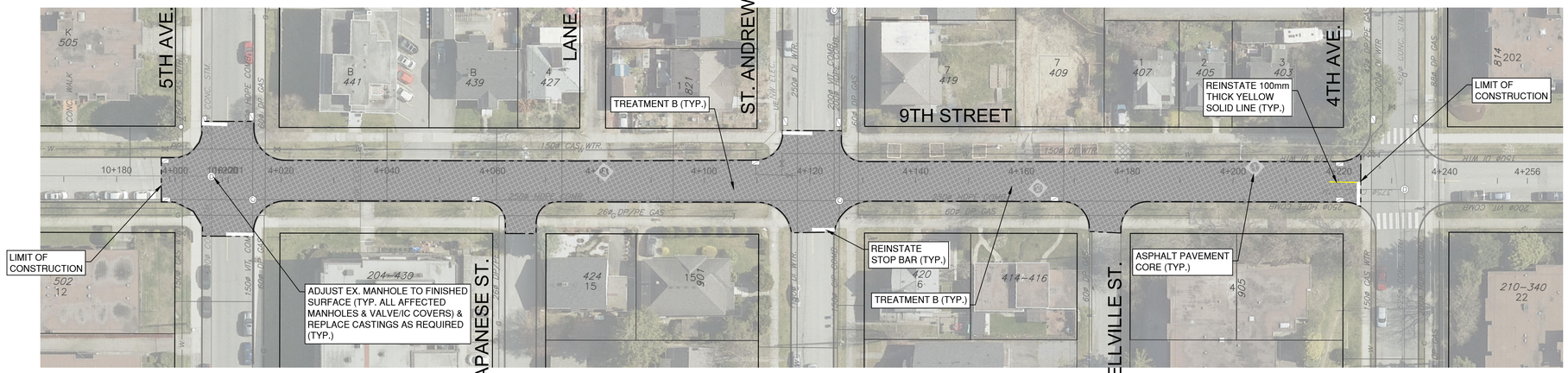
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Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	02	B

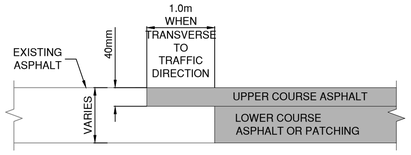
ISSUED FOR TENDER

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817 ST. ANDREWS ST.
TWO STOREY PASSIVE HOUSE
TRIPLEX BUILDING
PAR01353
RZ000209
DP000875

CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	55	55
2	55	55
4	50	50





TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

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existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

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F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal
PROFESSIONAL ENGINEER G. NIVENG # 39159 BRITISH COLUMBIA ENGINEER
2026-05-21

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ISL Engineering and Land Services
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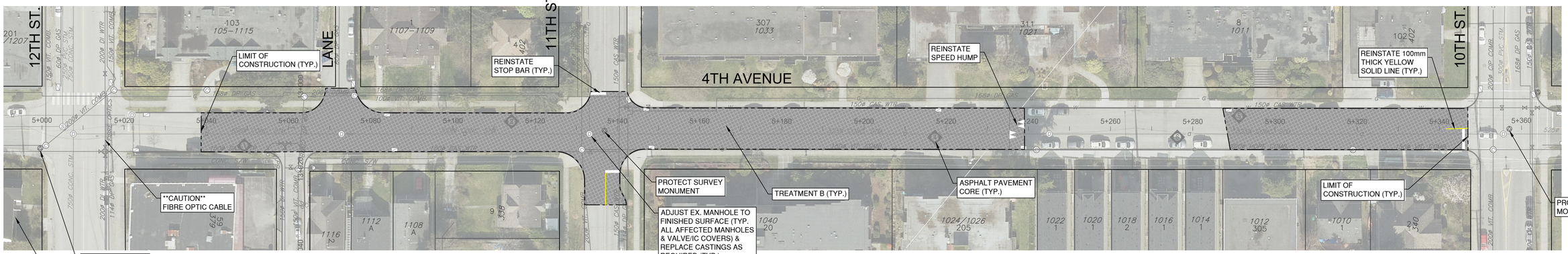
		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project
2026 PAVEMENT MANAGEMENT PROGRAM
SITE 4 - 9TH STREET
4TH AVE. TO 5TH AVE.

Drawn	NL	Sheet	y/m/d
Checked	GN	03 of 16	2026-02-28
Designed	HA	Scale	
Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	03	B

ISSUED FOR TENDER

CORE NO.	THICKNESS	
	TOTAL	TOP
1	65	65
2	160	75
4	80	45
5	50	50
6	80	30

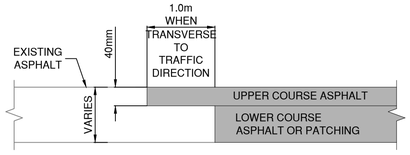


**CAUTION - FIBRE OPTIC NETWORK PRESENT **

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TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
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7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
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9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
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B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal
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2026-05-21

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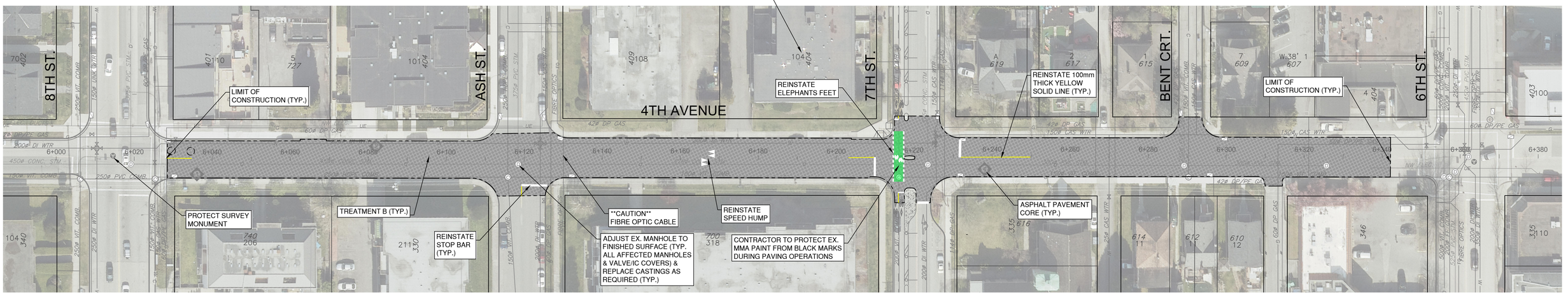
Project
2026 PAVEMENT MANAGEMENT PROGRAM
SITE 5 - 4TH AVENUE
12TH ST. TO 10TH ST.

Drawn	NL	Sheet	y/m/d
Checked	GN	04 of 16	2026-02-28
Designed	HA	Scale	
Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	04	B

ISSUED FOR TENDER

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CORE NO.	THICKNESS	
	TOTAL	TOP
1	70	70
2	120	45
4	66	66

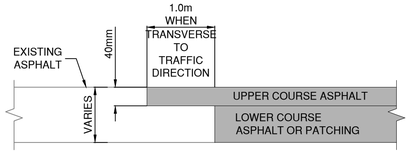


**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NIVENG # 39159 BRITISH COLUMBIA ENGINEER
2026-05-21

Consultant Card

ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID#: 39159
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

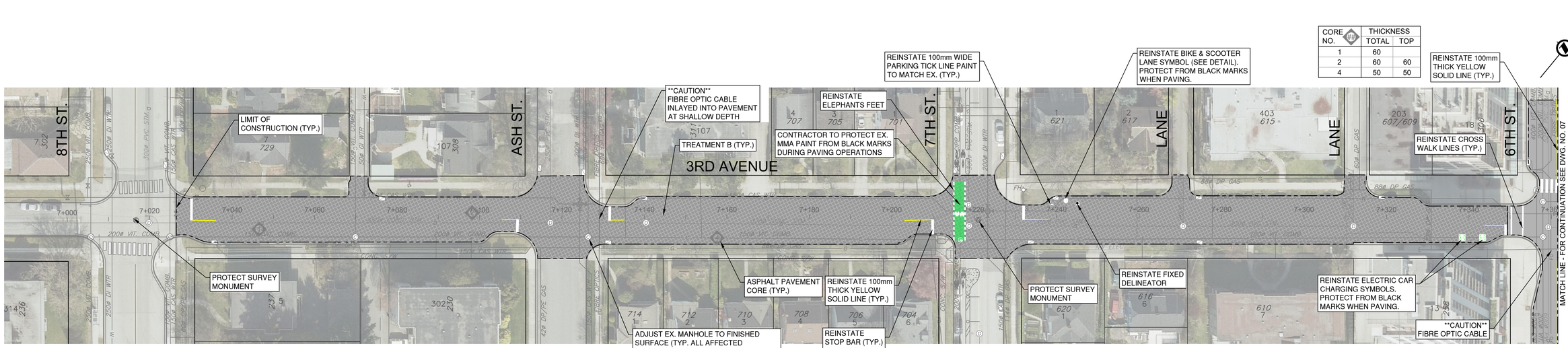
Project
2026 PAVEMENT MANAGEMENT PROGRAM

SITE 6 - 4TH AVENUE
8TH ST. TO 6TH ST.

Drawn	NL	Sheet 05 of 16	y/m/d 2026-02-28
Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 05	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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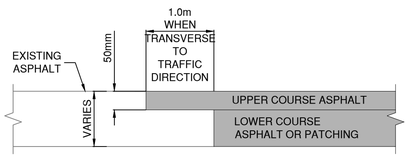


CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	60	
2	60	60
4	50	50

FOR CONTINUATION SEE DWG. NO. 08

**CAUTION - FIBRE OPTIC NETWORK PRESENT **
EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

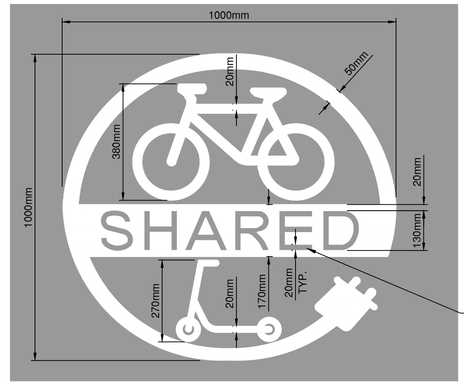
**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **
AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.



SHARED BIKE & SCOOTER LANE SYMBOL DETAIL
SCALE: 1:10

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal
PROFESSIONAL ENGINEER G. NIXENG # 39159 BRITISH COLUMBIA ENGINEER
2026-05-21

Consultant Card
ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 39159
Date: 2026-06-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

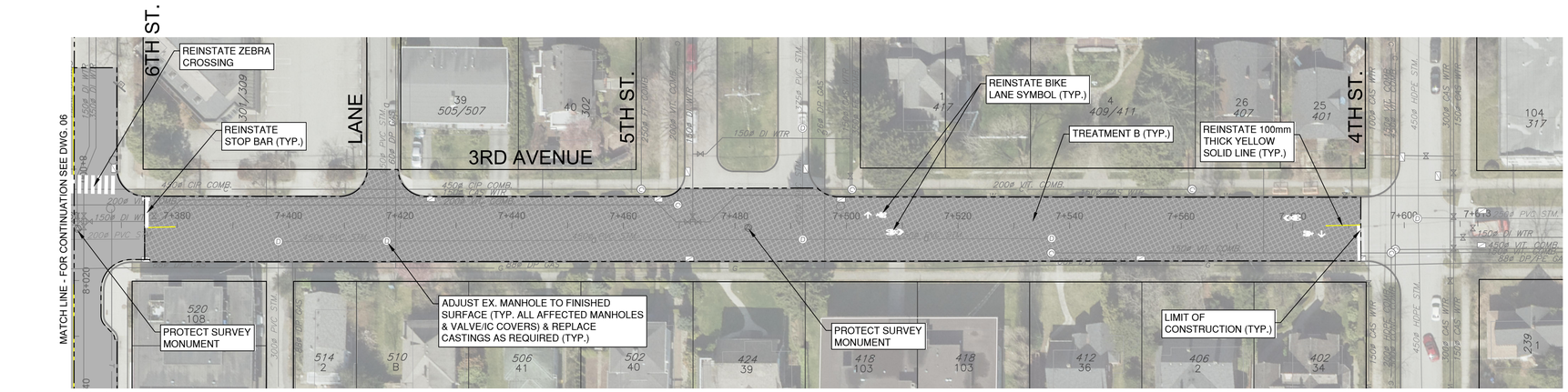
		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project
2026 PAVEMENT MANAGEMENT PROGRAM
SITE 7.1 - 3RD AVENUE
8TH ST. TO 6TH ST.

Drawn	NL	Sheet	y/m/d
Checked	SB	06 of 16	2026-02-28
Designed	HA	Scale H = 1:500 V =	
Checked		Drawing No.	Rev.
City Project No.		06	B
Project No.	34566		

ISSUED FOR TENDER

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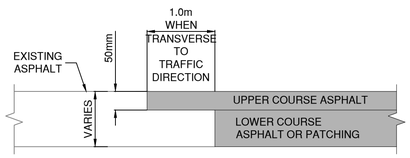
FOR CONTINUATION SEE DWG. NO. 08

**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

0 10 30m
1:500

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal



2026-05-21

Consultant Card
ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 39159
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

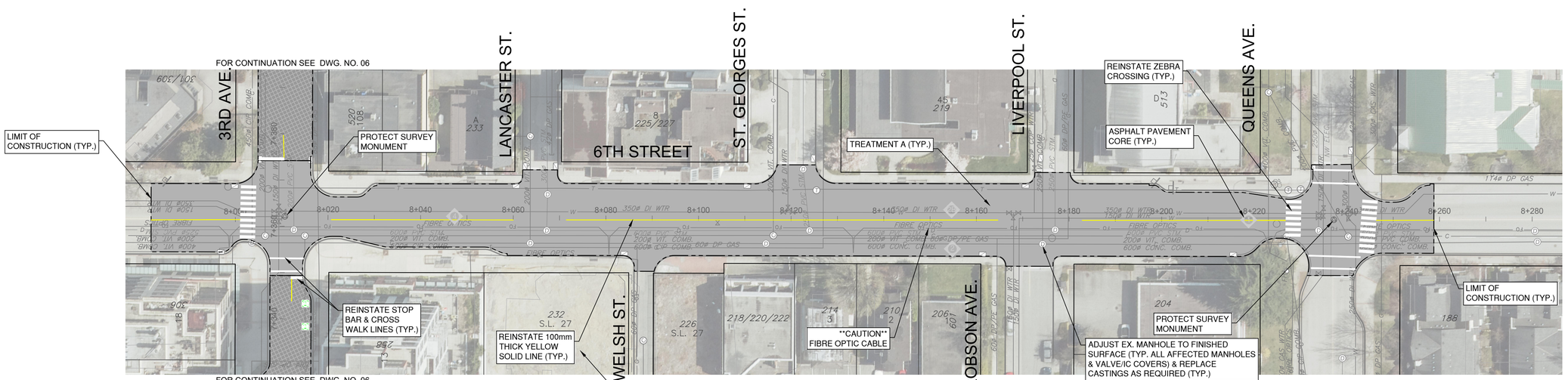
Project
2026 PAVEMENT MANAGEMENT PROGRAM

SITE 7.2 - 3RD AVENUE
6TH ST. TO 4TH ST.

Drawn	NL	Sheet	y/m/d
Checked	SB	06 of 16	2026-02-28
Designed	HA	Scale	
Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	07	B

ISSUED FOR TENDER

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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	165	60
2	170	50
2B	160	60
4	150	50

**CAUTION - FIBRE OPTIC NETWORK PRESENT **

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**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.

TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 60mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. SUPPLEMENT WITH 19mm CRUSHED GRANULAR BASE MATERIAL. RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 65mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - 12.5mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revision	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NG # 39159 BRITISH COLUMBIA ENGINEER

2026-05-21

Consultant Card

ISL Engineering and Land Services

#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 39159
Date: 2026.05.21

Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

2026 PAVEMENT MANAGEMENT PROGRAM

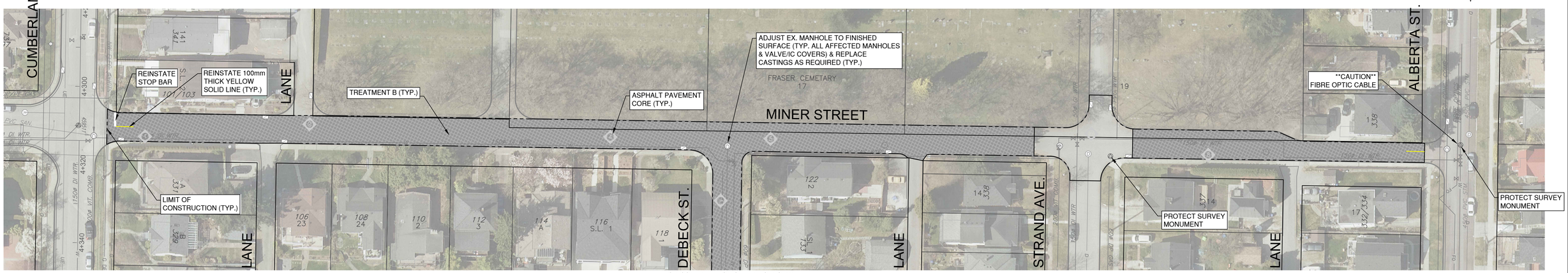
SITE 8 - 6TH STREET
3RD AVE. TO QUEENS AVE

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Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 08	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	115	45
2	70	70
4	70	70
5	60	60
7	75	75
8	60	90



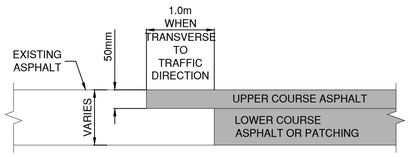
FOR CONTINUATION SEE DWG. NO. 10

**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal



2026-05-21

Consultant Card
ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature: [illegible]
RR EGBC ID: 3019
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

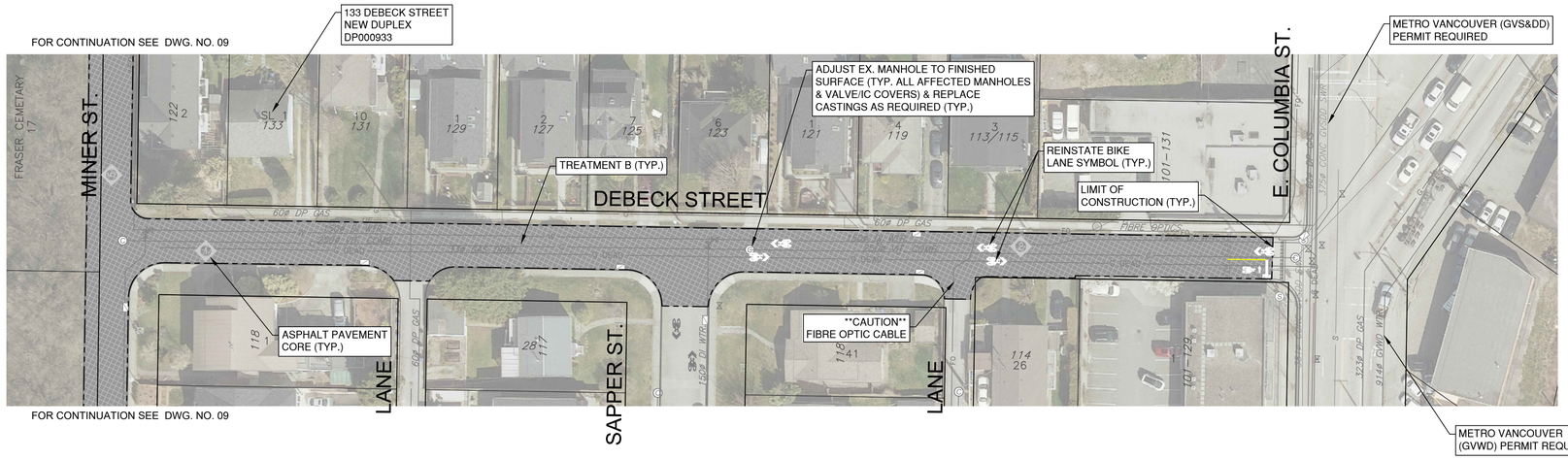
Project
2026 PAVEMENT MANAGEMENT PROGRAM

SITE 9 - MINER STREET
CUMBERLAND ST. TO ALBERTA ST.

Drawn	NL	Sheet 09 of 16	y/m/d 2026-02-28
Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 09	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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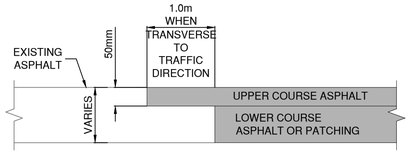
CORE NO.	THICKNESS	
	TOTAL	TOP
1	70	70
3	60	60

**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.



TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

METRO VANCOUVER (GVWD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVWD WATERMAIN IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVWD WATERMAIN ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVWD WATERMAIN ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVWD WATERMAINS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVWD WATERMAINS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVWD WATERMAIN PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER'S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVWD WATERMAIN. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

METRO VANCOUVER (GVS&DD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVS&DD SEWER IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVS&DD SEWER ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVS&DD SEWER ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVS&DD SEWERS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVS&DD SEWERS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVS&DD'S PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVS&DD SEWERS. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

GVS&DD MANHOLES ARE TO BE ADJUSTED (AS REQUIRED) TO MEET THE FINAL RESTORATION GRADES. ADJUSTED MANHOLE LIDS SHOULD NOT BE LOCATED IN CURB AND GUTTER LINES. PLEASE NOTE THAT GVS&DD DOES NOT PERMIT USE OF CONCRETE GRADE RINGS GREATER THAN 3 X 50mm THICKNESS. IF THERE IS A NEED TO ADD HEIGHT WHEN THE MAXIMUM HEIGHT OF GRADE RINGS + NON-SHRINK MORTAR (200mm TOTAL) HAS ALREADY BEEN OR WILL BE EXCEEDED ABOVE THE MANHOLE LID/DONUT, GVS&DD REQUESTS THAT YOU SUPPLY AND INSTALL NEW MANHOLE BARREL RISERS OF SUITABLE HEIGHT.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. FULL DEPTH MILL THE EXISTING ASPHALT SURFACES & GRAVEL TO A DEPTH OF 100mm.
3. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. IF EXISTING ASPHALT REMAINS FOLLOWING FULL DEPTH MILLING, REVIEW CONDITIONS IN FIELD WITH CONTRACT ADMINISTRATOR, AND AS DIRECTED, EITHER REMOVE EXISTING ASPHALT VIA MILLING OR CLEAN AND TACK-COAT ASPHALT SURFACE, INCLUDING JOINTS.
5. SUPPLEMENT WITH 19mm MINUS CRUSHED GRANULAR BASE MATERIAL, RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
6. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
7. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
8. PLACE (WITH PAVER) TOP LIFT OF NEW HOT MIX ASPHALT TO 40mm THICKNESS (USE MMCD STANDARD - UPPER COURSE #2 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY).
9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
T	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NG PENG # 35159 BRITISH COLUMBIA ENGINEER
2026-05-21

Consultant Card

ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 39159
Date: 2026.05.21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project
2026 PAVEMENT MANAGEMENT PROGRAM

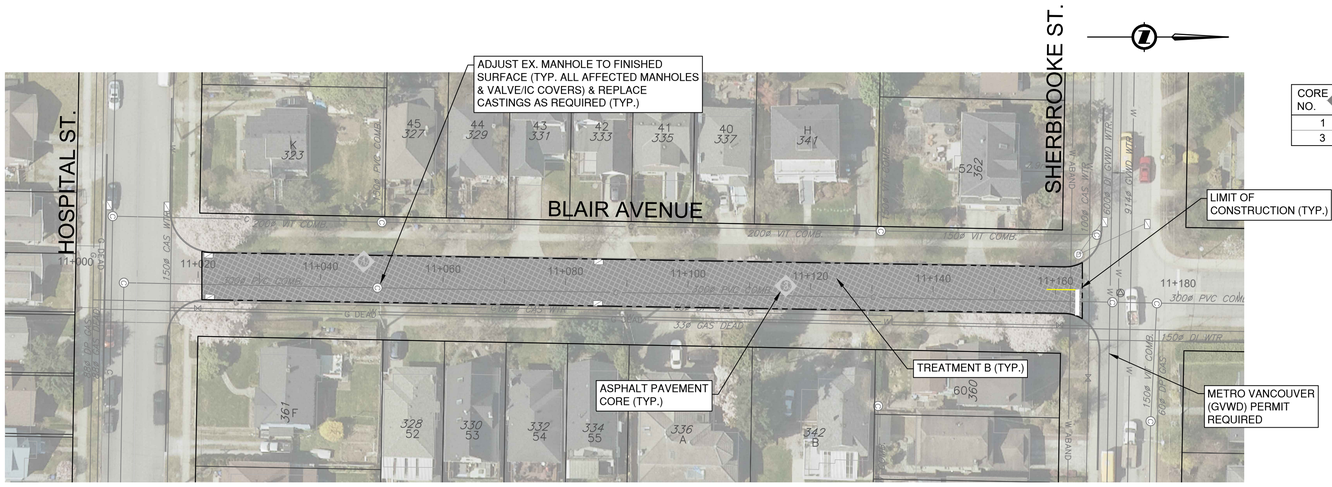
SITE 10 - DEBECK STREET
MINER ST. TO E. COLUMBIA ST.

Drawn	NL
Checked	GN
Designed	HA
Checked	
City Project No.	
Project No.	34566

Sheet	10 of 16
y/m/d	2026-02-28
Scale	H = 1:500 V =
Drawing No.	10
Rev.	B

ISSUED FOR TENDER

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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	55	55
3	110	110

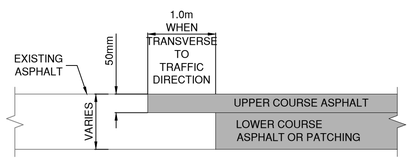
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TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

TREATMENT B: FULL DEPTH MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
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9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal



2026-05-21

Consultant Card

ISL Engineering and Land Services

#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 3019
Date: 2026.05.21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

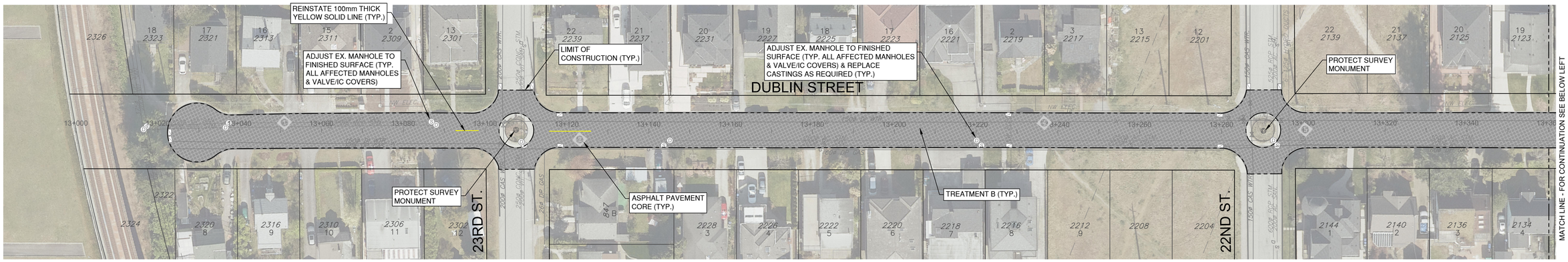
2026 PAVEMENT MANAGEMENT PROGRAM

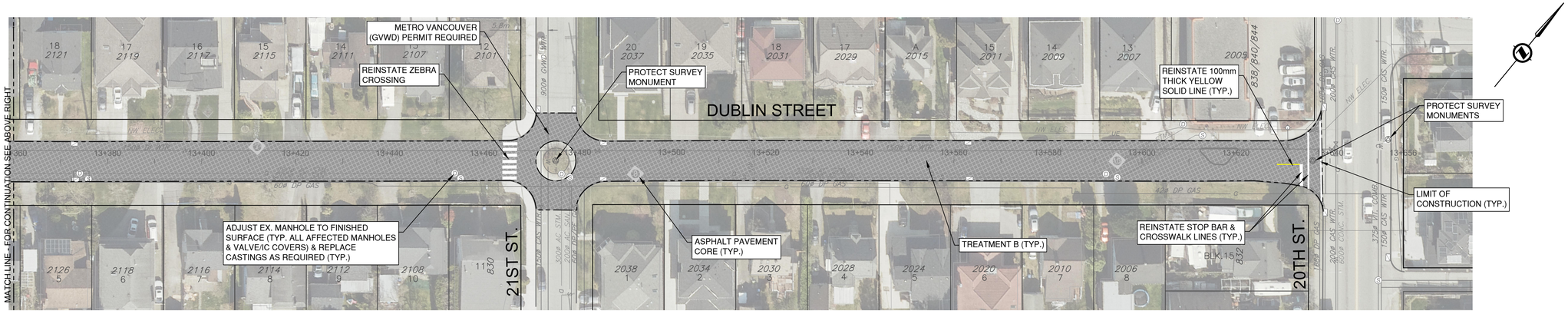
SITE 11 - BLAIR AVENUE
HOSPITAL ST. TO SHERBROOKE ST.

Drawn	NL	Sheet	y/m/d
Checked	GN	11 of 16	2026-02-28
Designed	HA	Scale	
Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	11	B

ISSUED FOR TENDER

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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	100	100
2	80	80
4	140	60
5	75	75
7	44	44
8	80	80
10	65	65

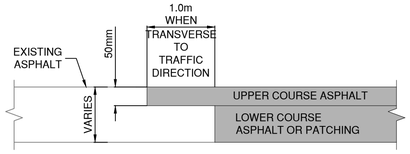
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TYPICAL KEYED-IN BUTT JOINT DETAIL
N.T.S.

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9. INSTALL PAVEMENT MARKINGS & SIGNAGE.

1:500 0 10 30m

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revision	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NIJENG # 39159 PROVINCE OF BRITISH COLUMBIA

2026-05-21

Consultant Card

ISL Engineering and Land Services

#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 3916
Date: 2026-05-21

Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

2026 PAVEMENT MANAGEMENT PROGRAM

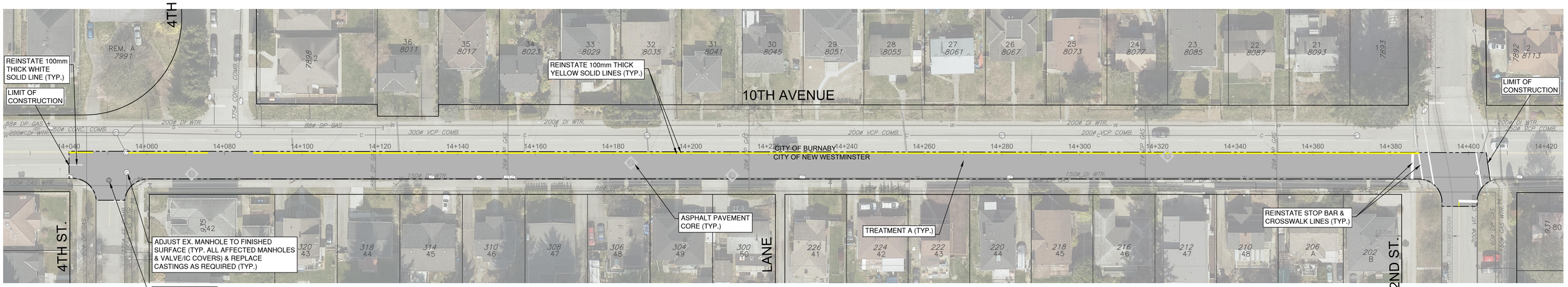
SITE 13 - DUBLIN STREET
SKYTRAIN ROW TO 20TH ST.

Drawn	NL	Sheet 12 of 16	y/m/d 2026-02-28
Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 12	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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CORE NO.	THICKNESS	
	TOTAL	TOP
1	160	60
2	155	50
3	175	60
4	100	50



TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 60mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
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7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 85mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 65mm THICKNESS (USE MMCD STANDARD - 12.5mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.

0 10 30m
1:500

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal



2026-05-21

Consultant Card
ISL Engineering and Land Services
#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 39159
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project
2026 PAVEMENT MANAGEMENT PROGRAM

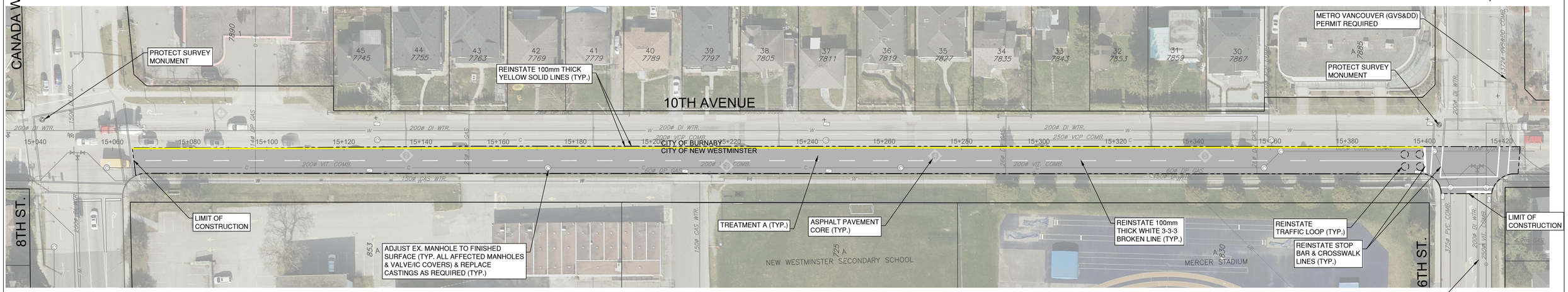
SITE 14 - 10TH AVENUE
4TH ST. TO 2ND ST.

Drawn	NL	Sheet 13 of 16	y/m/d 2026-02-28
Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 13	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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CORE NO.	THICKNESS	
	TOTAL	TOP
1	160	65
2	130	60
3	140	60
4	140	60
5	110	53



**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.

METRO VANCOUVER (GVS&DD) PERMIT REQUIRED

ASSET LOCATION

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10. INSTALL PAVEMENT MARKINGS.

1:500 0 10 30m

existing	plan - legend	proposed
W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

G. NG ENG # 35159 BRITISH COLUMBIA ENGINEER

2026-05-21

Consultant Card

ISL Engineering and Land Services

#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID:
Date: 2026.05.21

Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

2026 PAVEMENT MANAGEMENT PROGRAM

SITE 15 - 10TH AVENUE
8TH ST. TO 6TH ST.

Drawn	NL
Checked	GN
Designed	HA
Checked	
City Project No.	
Project No.	34566

Sheet 14 of 16

y/m/d 2026-02-28

Scale H = 1:500 V =

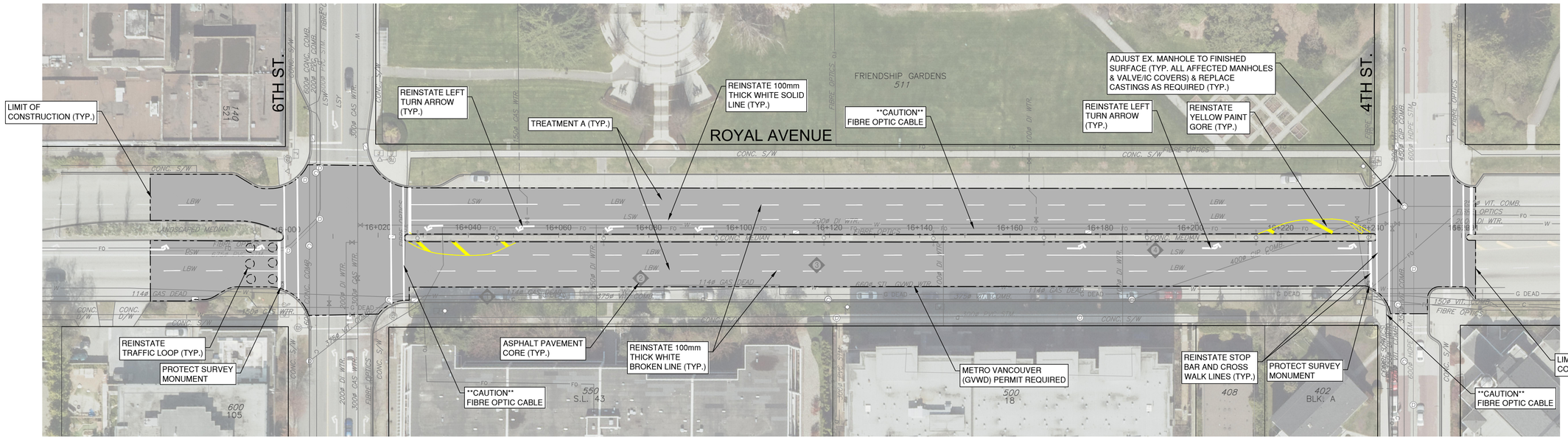
Drawing No. 14

Rev. B

ISSUED FOR TENDER

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CORE NO.	THICKNESS	
	TOTAL	TOP
1	155	70
2	145	60
3	195	80
4	150	60



**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

AS-BUILTS WERE NOT PROVIDED BY THE THIRD PARTY UTILITY COMPANIES. CONTRACTOR TO PRE-LOCATE WITH UTILITY PROVIDER AS REQUIRED.

METRO VANCOUVER (GVWD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVWD WATERMAIN IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVWD WATERMAIN ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVWD WATERMAIN ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVWD WATERMAINS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVWD WATERMAINS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVWD WATERMAIN PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER'S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVWD WATERMAIN. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 65mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. SUPPLEMENT WITH 19mm CRUSHED GRANULAR BASE MATERIAL. RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 80mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 70mm THICKNESS (USE MMCD STANDARD - 19.0mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.

1:500 0 10 30m

W	WATERMAIN	W	
S	WASTEWATER SEWER	S	
D	LAND DRAINAGE SEWER	D	
	PROPERTY LINES		
G	GAS	G	
	TELEPHONE	T	
UE	HYDRO	UE	
	CENTER LINE OF DITCH		
existing	plan - legend	proposed	

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NIVENG # 37159 BRITISH COLUMBIA ENGINEER

2026-05-21

Consultant Card

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RR Signature:
RR EGBC ID: 37159
Date: 2026-05-21

Permit Number 1000419
Engineers & Geoscientists British Columbia

		Date
Received		
Checked		
Approved	CITY ENGINEER	

Project

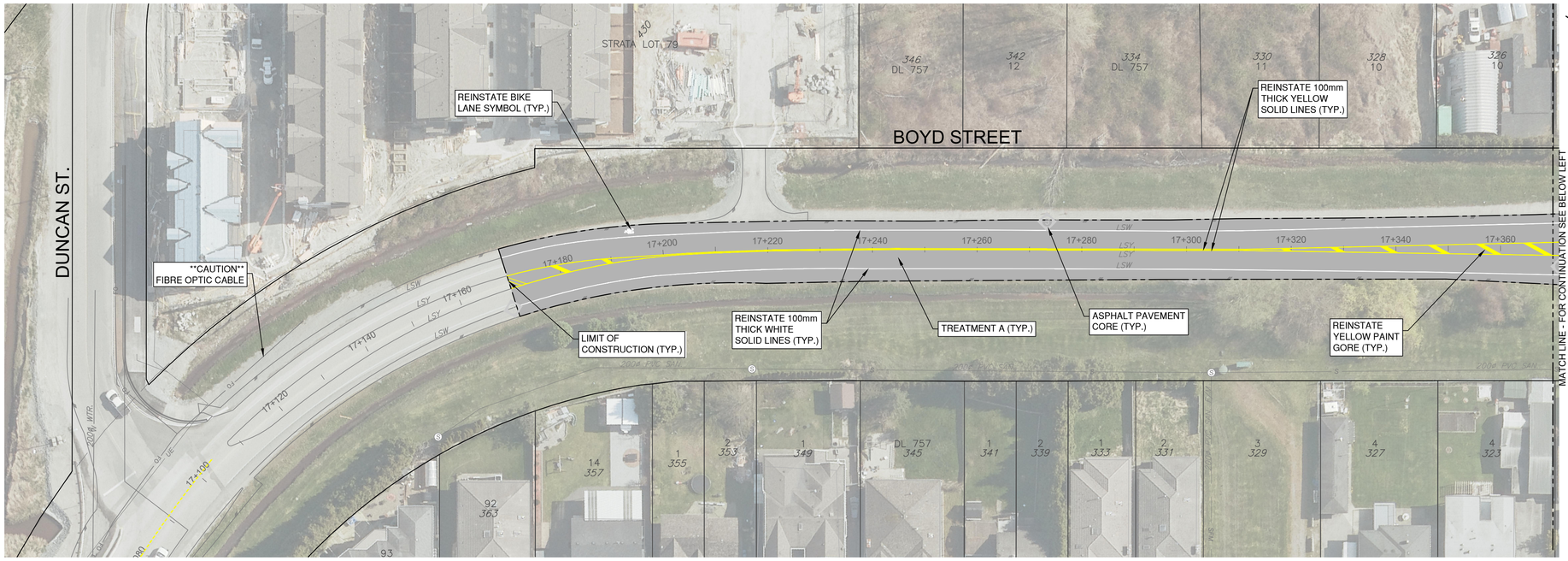
2026 PAVEMENT MANAGEMENT PROGRAM

SITE 16 - ROYAL AVENUE
6TH ST. TO 4TH ST.

Drawn	NL	Sheet	y/m/d
Checked	GN	15 of 16	2026-02-28
Designed	HA	Scale	
Checked		H = 1:500 V =	
City Project No.		Drawing No.	Rev.
Project No.	34566	15	B

ISSUED FOR TENDER

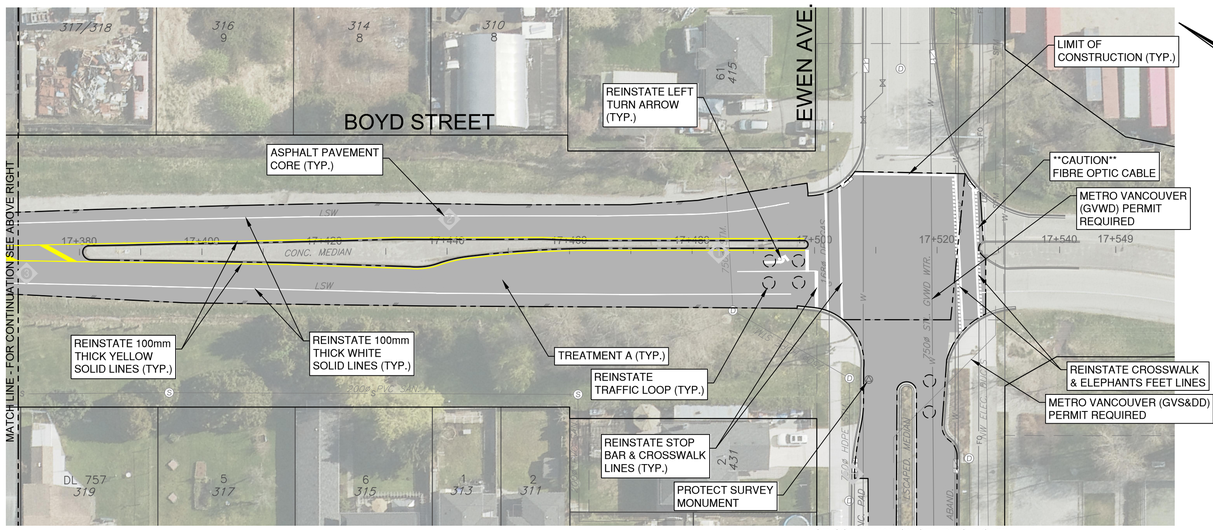
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CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	180	55
2	180	50
3	190	70
5	170	60
7	170	55

TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 70mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. SUPPLEMENT WITH 19mm CRUSHED GRANULAR BASE MATERIAL. RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 90mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 60mm THICKNESS (USE MMCD STANDARD - 19.0mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.



FOR CONTINUATION SEE DWG. NO. 02

**CAUTION - FIBRE OPTIC NETWORK PRESENT **

EXISTING FIBRE OPTIC CABLE IN VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF THE FIBRE NETWORK PRIOR TO ANY CONSTRUCTION. IF THE FIBRE NETWORK IS TO BE EXPOSED, A HYDRO EXCAVATOR SHALL BE USED (OR AUTHORIZED OTHERWISE) AND A FIBRE NETWORK REPRESENTATIVE MUST BE PRESENT.

**CAUTION - ROGERS & TELUS FIBRE IN VICINITY OF WORK **

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METRO VANCOUVER (GVWD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVWD WATERMAIN IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVWD WATERMAIN ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVWD WATERMAIN ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVWD WATERMAINS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVWD WATERMAINS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVWD WATERMAIN PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER'S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVWD WATERMAIN. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

METRO VANCOUVER (GVS&DD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVS&DD SEWER IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVS&DD SEWER ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

PROPONENT IS TO PERFORM STATIC ROLLING WITH NO VIBRATORY MODE FOR ROADWORKS ON TOP OF GVS&DD SEWER ASSETS. NO LARGE SIZE VIBRATORY COMPACTOR IS TO BE USED ON TOP OF GVS&DD SEWERS. MACHINE HOE-PACK IS NOT PERMITTED WITHIN 6.0m HORIZONTALLY OF THE GVS&DD SEWERS. ONLY LOW IMPACT AND LOW VIBRATORY METHODS, SUCH AS LIGHTWEIGHT WALK BEHIND PLATE TAMPER OR JUMPING JACK, ARE PERMITTED. FOR BACKFILLING/SURFACE RESTORATION ABOVE GVS&DD'S PIPE ZONE, PLEASE REFER TO THE PROPERTY OWNER S REQUIREMENT AND MV'S " PAVEMENT RESTORATION" DRAWING (DOCUMENT CODE: C-006B) – THE MORE STRINGENT REQUIREMENT SHALL APPLY. NO HEAVY EQUIPMENT IS TO BE USED OR PLACED ON TOP OF GVS&DD SEWERS. THERE SHALL BE NO MATERIAL OR EQUIPMENT STORAGE OR HEAVY CONSTRUCTION ACTIVITY DIRECTLY ATOP OF MV'S SEWER PIPE.

GVS&DD MANHOLES ARE TO BE ADJUSTED (AS REQUIRED) TO MEET THE FINAL RESTORATION GRADES. ADJUSTED MANHOLE LIDS SHOULD NOT BE LOCATED IN CURB AND GUTTER LINES. PLEASE NOTE THAT GVS&DD DOES NOT PERMIT USE OF CONCRETE GRADE RINGS GREATER THAN 3 X 50mm THICKNESS. IF THERE IS A NEED TO ADD HEIGHT WHEN THE MAXIMUM HEIGHT OF GRADE RINGS + NON-SHRINK MORTAR (200mm TOTAL) HAS ALREADY BEEN OR WILL BE EXCEEDED ABOVE THE MANHOLE LID/DONUT, GVS&DD REQUESTS THAT YOU SUPPLY AND INSTALL NEW MANHOLE BARREL RISERS OF SUITABLE HEIGHT.

1:500 0 10 30m

W	WATERMAIN	W
S	WASTEWATER SEWER	S
D	LAND DRAINAGE SEWER	D
	PROPERTY LINES	
G	GAS	G
T	TELEPHONE	T
UE	HYDRO	UE
	CENTER LINE OF DITCH	
existing	plan - legend	proposed

KEYPLAN

No.	y/m/d	Issued/Reviewed/Revsion	By	App.
G				
F				
E				
D				
C				
B	2026/05/21	ISSUED FOR TENDER	NL	GN
A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal



2026-05-21

Consultant Card

ISL Engineering and Land Services

#201, 8506 - 200 Street, Langley, B.C. V2Y 0M1
T: (604)371-0091 F: (604)371-0098

Permit to Practice
ISL Engineering and Land Services Ltd.
RR Signature:
RR EGBC ID: 3519
Date: 2026-05-21
Permit Number 1000419
Engineers & Geoscientists British Columbia

	Date
Received	
Checked	
Approved	

CITY ENGINEER

Project

2026 PAVEMENT MANAGEMENT PROGRAM

SITE 17 - BOYD STREET
DUNCAN ST. TO EWEN AVE.

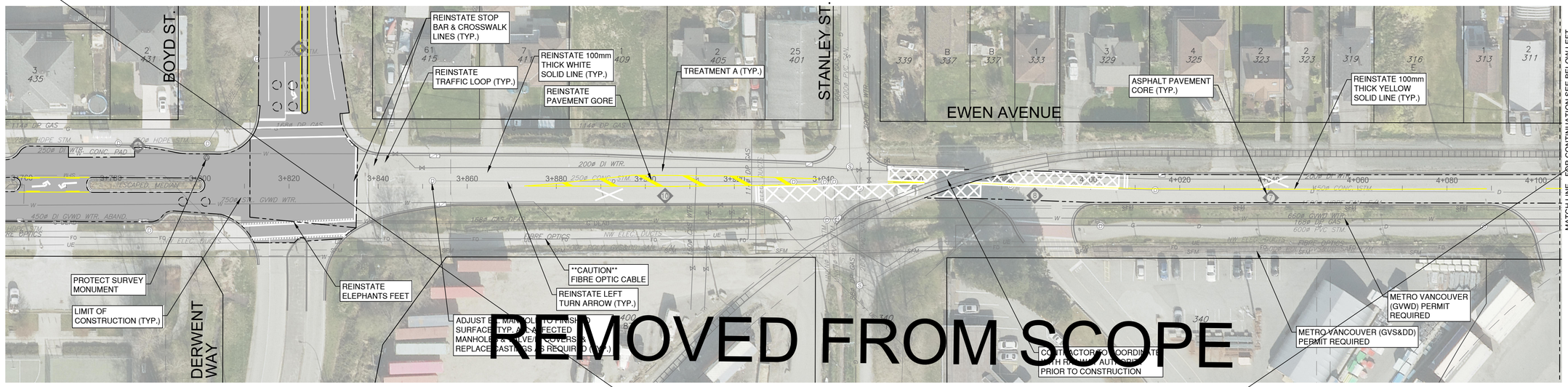
Drawn	NL
Checked	GN
Designed	HA
Checked	
City Project No.	
Project No.	34566

Sheet	16 of 16
y/m/d	2026-02-28
Scale	H = 1:500 V =
Drawing No.	16
Rev.	B

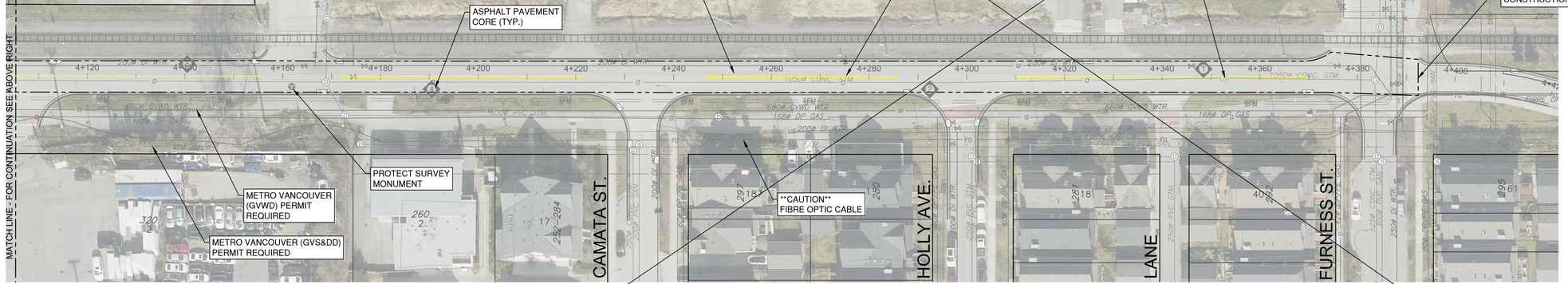
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FOR CONTINUATION SEE DWG. NO. 16



CORE NO.	THICKNESS TOTAL	THICKNESS TOP
1	115	60
2	95	45
4	80	40
5	100	45
7	100	35
8	110	40
10	105	45



TREATMENT A : SURFACE MILLING

1. DETERMINE FINAL LIMITS OF ROAD TREATMENT WITH CONTRACT ADMINISTRATOR.
2. SURFACE MILL THE EXISTING ASPHALT ROAD TO A DEPTH OF 50mm.
3. CLEAN ALL ROAD SURFACE AND JOINTS CLEAN OF DEBRIS.
4. CONTRACT ADMINISTRATOR TO IDENTIFY AND THE CONTRACTOR SHALL REMOVE AREAS OF ASPHALT & GRAVELS FOR PATCHING.
5. GRADE, COMPACT, PROOF ROLL AND OVEREXCAVATE AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. SUPPLEMENT WITH 19mm CRUSHED GRANULAR BASE MATERIAL. RESHAPE TO PROPOSED GRADES AND COMPACT TO 95% MODIFIED PROCTOR DENSITY.
7. PLACE (WITH PAVER) BASE LIFT OF NEW HOT MIX ASPHALT PATCHING TO 65mm THICKNESS (USE MMCD STANDARD - LOWER COURSE #1 MIXTURE, COMPACTED TO 97% OF 75 BLOW MARSHALL DENSITY)
8. CLEAN AND TACK-COAT ALL ASPHALT SURFACES INCLUDING JOINTS.
9. PLACE (WITH PAVER) TOP LIFT OF NEW SUPERPAVE ASPHALT TO 50mm THICKNESS (USE MMCD STANDARD - 12.5mm SUPERPAVE MIXTURE, COMPACTED TO 93% OF MAXIMUM THEORETICAL DENSITY).
10. INSTALL PAVEMENT MARKINGS.

1:500 0 10 30m

METRO VANCOUVER (GVS&DD) PERMIT REQUIRED

ASSET LOCATION

PLEASE ENSURE THAT THE GVS&DD SEWER IS ACCURATELY LOCATED AND CLEARLY MARKED ON THE GROUND BEFORE STARTING ANY WORK. THE PROPONENT IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF GVS&DD SEWER ASSETS PRIOR TO CONSTRUCTION. THE PROPONENT IS TO KEEP THESE APPURTENANCES INTACT. GVS&DD MAINTENANCE HOLES SHALL NOT BE OPENED WITHOUT GVS&DD'S PRIOR WRITTEN CONSENT. AT THE TIME OF THIS DOCUMENT, CONSENT FOR OPENING OUR MAINTENANCE HOLES HAS NOT BEEN GIVEN.

SURFACE IMPACT

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W	WATERMAIN	W	KEYPLAN
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D	LAND DRAINAGE SEWER	D	
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	CENTER LINE OF DITCH		
existing	plan - legend	proposed	

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A	2026/04/20	90% DETAILED DESIGN	NL	GN

seal

PROFESSIONAL ENGINEER G. NIUENG # 39159 BRITISH COLUMBIA ENGINEER

2026-05-21

Consultant Card

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RR Signature
RR EGBC ID 39159
Date 2026.05.21
Permit Number 1000419
Engineers & Geoscientists British Columbia

	Date
Received	
Checked	
Approved	

CITY ENGINEER

Project

2026 PAVEMENT MANAGEMENT PROGRAM

SITE 2 - EWEN AVENUE
DERWENT WAY TO FURNESS ST.

Drawn	NL	Sheet 02 of 16	y/m/d 2026-02-28
Checked	GN	Scale H = 1:500 V =	
Designed	HA		
Checked		Drawing No. 02	Rev. B
City Project No.			
Project No.	34566		

ISSUED FOR TENDER

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