

DATE: 2024-12-18 11:41 FILE: \\c:\11\projects\211065000\mdu\mdu\street\road\rehabilitation\07_drawing\01_sheets\06500-000.dwg McElhanney Cover A1 - 2024-02-05

CITY OF COQUITLAM

CLIENT
ADDRESS / CONTACT INFO.

3000 GUILDFORD WAY, COQUITLAM

PROJECT NAME

MUNDY STREET ROAD REHABILITATION

DESCRIPTION

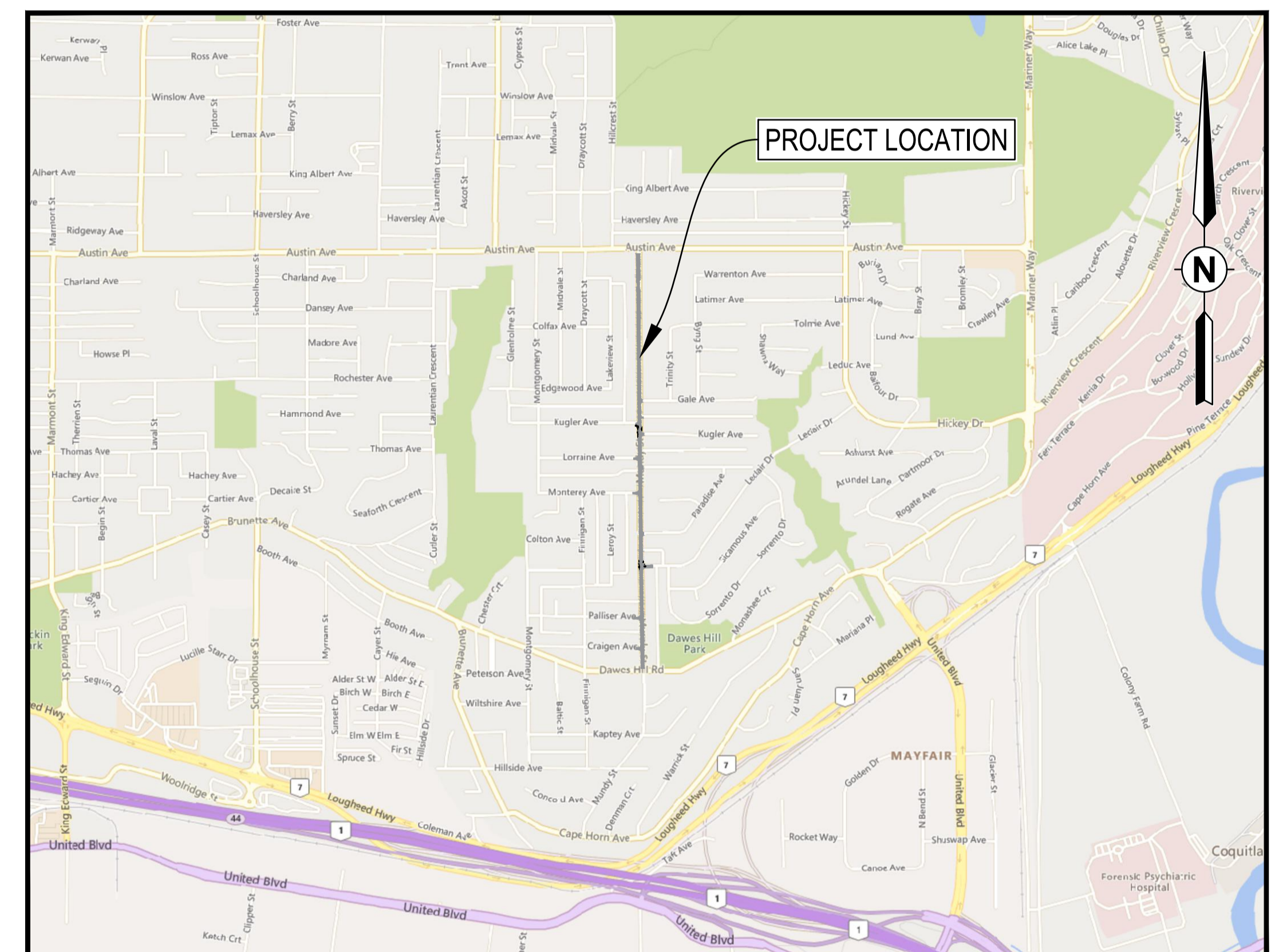
DAWES HILL ROAD TO AUSTIN AVENUE

McELHANNEY PROJECT

2111-06500-00

STATUS

ISSUED FOR TENDER



LOCATION PLAN
SCALE 1:15,000



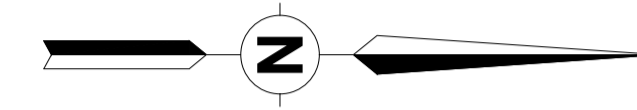
McElhanney

Suite 2300 Central City Tower
13450 102nd Avenue,
Surrey BC V3T 5X3
Tel. 604 596 0391

DRAWING LIST		REVISIONS						
SHEET #	SHEET TITLE	A	B	C	0	1	2	3
		00	COVER	X	X	X		
01	SITE PLAN	X	X	X				
02	ROADWORKS - MUNDY STREET - STA. 1+000 TO STA. 1+220	X	X	X				
03	ROADWORKS - MUNDY STREET - STA. 1+220 TO STA. 1+460	X	X	X				
04	ROADWORKS - MUNDY STREET - STA. 1+460 TO STA. 1+700	X	X	X				
05	ROADWORKS - MUNDY STREET - STA. 1+700 TO STA. 1+980	X	X	X				
06	ROADWORKS - MUNDY STREET - STA. 1+980 TO STA. 2+220	X	X	X				
07	ROADWORKS - MUNDY STREET - STA. 2+220 TO STA. 2+470	X	X	X				
08	ROADWORKS - LECLAIR AVENUE INTERSECTION	X	X	X				
09	ROADWORKS - KUGLER AVENUE INTERSECTION	X	X	X				

GENERAL CONSTRUCTION NOTES:

- CONTACT & NOTIFY ALL HOMEOWNERS AFFECTED BY WORKS 5 DAYS PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO MUNICIPALITY STANDARD SPECIFICATIONS AND DRAWINGS UNLESS OTHERWISE NOTED ON THIS DRAWING.
- REPAIR AND/OR REPLACE ALL INFRASTRUCTURE/PRIVATE PROPERTY DAMAGED OR REMOVED DURING CONSTRUCTION, TO BETTER THAN, OR EQUAL TO PRE-CONSTRUCTION CONDITION.
- CONTACT SITE ARBORIST PRIOR TO WORKING IN AND AROUND TREES.
- ENSURE THE CURRENT MUNICIPAL O.H.S. GROUND DISTURBANCE PRACTICE AND PROCEDURES ARE FOLLOWED. CONTACT BC1 AT 1-800-474-6886 FOR EXTERNAL UTILITY LOCATIONS AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONFIRM LOCATION AND ELEVATION OF EXISTING UTILITIES AT ALL CROSSINGS AND CONNECTIONS PRIOR TO CONSTRUCTION.
- ENSURE ALL EXISTING SERVICES STAY IN OPERATIONAL CONDITION DURING CONSTRUCTION.



ENVIRONMENTAL NOTES:

USE BEST MANAGEMENT PRACTICES DURING CONSTRUCTION. ADJUST WORK ACTIVITIES DURING PERIODS OF HEAVY RAIN TO MINIMIZE SEDIMENTS ENTERING THE STORM DRAINAGE SYSTEM. SOME BMB'S TO CONSIDER:

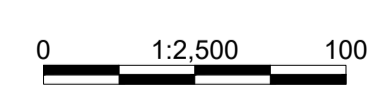
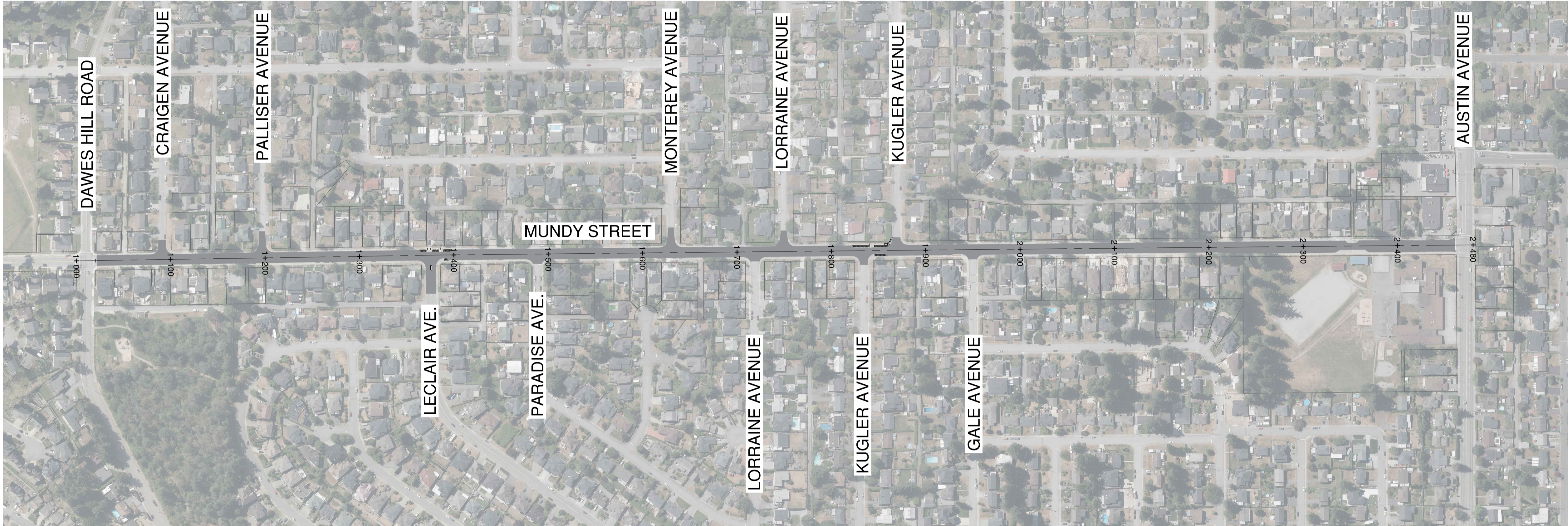
- CHECK ALL EQUIPMENT FOR FLUID LEAKS PRIOR TO ENTERING THE WORK AREA.
- NO EQUIPMENT RE-FUELING TO OCCUR IN THE WORK AREA UNLESS SPILL PROTECTION MEASURES ARE IN PLACE.
- A SPILL KIT IS TO BE MAINTAINED ON SITE THROUGHOUT THE CONSTRUCTION PERIOD.
- SURFACE WATER IS TO BE MANAGED WITHIN THE WORK AREA AND TREATED BEFORE DISCHARGED. THIS MAY INCLUDE ONSITE DETENTION AND/OR CULVERT FILTRATION.
- COVER EXPOSED SOILS IN INCLEMENT WEATHER TO TARP, HYDRO SEED OR ORGANIC LEAF MULCH.
- STOCKPILE SOILS AWAY FROM CULVERT INLETS AND ENSURE THEY ARE COVERED IF LEFT FOR MORE THAN 48 HOURS.
- SURROUND PROTECTED TREES WITH SNOW FENCING AT DRIP LINE OR CRITICAL ROOT ZONE OF TREE DURING CONSTRUCTION. CONTACT MUNICIPAL ARBORIST PRIOR TO BEGINNING CONSTRUCTION. INSTALL SILT FENCING AS PER DETAIL A IN LOCATION SHOWN ON PLAN.

ROADWORKS NOTES:

- ALL WORKS TO CONFORM TO THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (2009 EDITION - PLATINUM) AND ALL COQUITLAM APPROVED REVISIONS, AND TO THE CURRENT EDITION OF THE CITY OF COQUITLAM SUPPLEMENTAL SPECIFICATIONS AND STANDARD DETAIL DRAWINGS.
- CHANGES OF GRADE AND DIRECTION FORMED BY SMOOTH VERTICAL AND HORIZONTAL CURVES.
- ALL EXISTING MANHOLE FRAMES, WATER AND GAS VALVE BOXES, SURVEY MONUMENT BOXES ETC. TO BE ADJUSTED TO SUIT NEW PAVEMENT GRADE AND CROSS-FALL.

SIGNAGE AND PAVEMENT MARKING NOTES:

- ALL PAVEMENT MARKINGS AND SIGNAGE AS PER THE MANUAL UNIFORM TRAFFIC CONTROL DEVICES FOR CANADA.
- ALL PAVEMENT MARKINGS ARE THERMOPLASTIC.



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
Gasmain and valve	G	Catch basin, round	Comb signal pole
Hydro duct, MH	UE	Drainage service	Traffic signal pole
Telephone duct, MH	T	Drainage cleanout	Junction box
			Survey Traverse Hub
			Survey Iron Pin
			Survey Lead Plug
			Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

Design by	Date	
JN	November 8, 2024	
Drawn by	Date	
MWJ	November 8, 2024	
Checked by	Date	
HL	November 8, 2024	
Approved by	Date	
MH	November 8, 2024	

PRELIMINARY
NOT FOR
CONSTRUCTION

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Engineering & Public Works

3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale horiz. 1:2500 Scale vert. _____

Sheet 01 of 09

Eng. Project No. 2111-06500-00

Project **MUNDY STREET ROAD REHABILITATION**
DAWES HILL ROAD TO AUSTIN AVENUE

Description **SITE PLAN**

File: 06500-C0-000

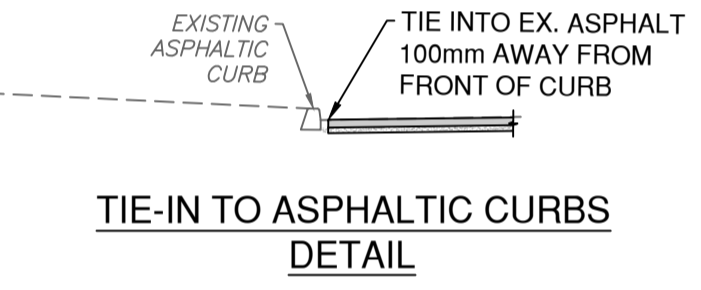
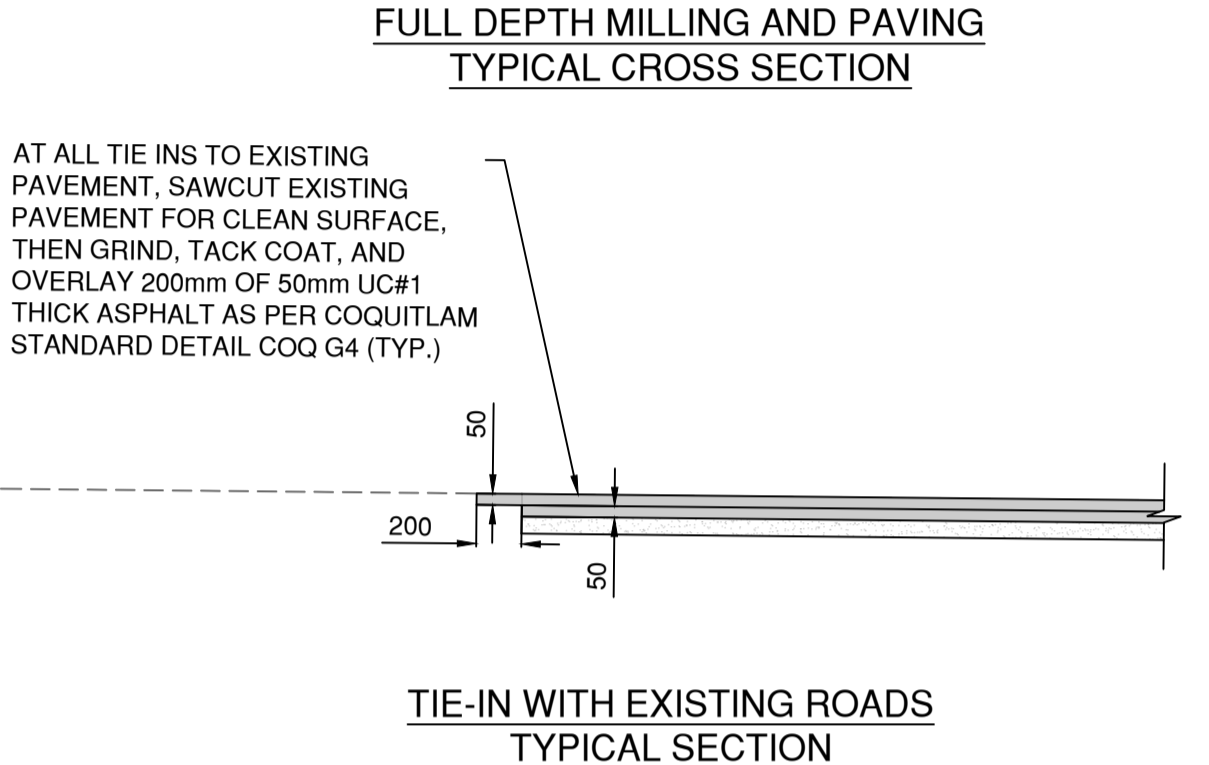
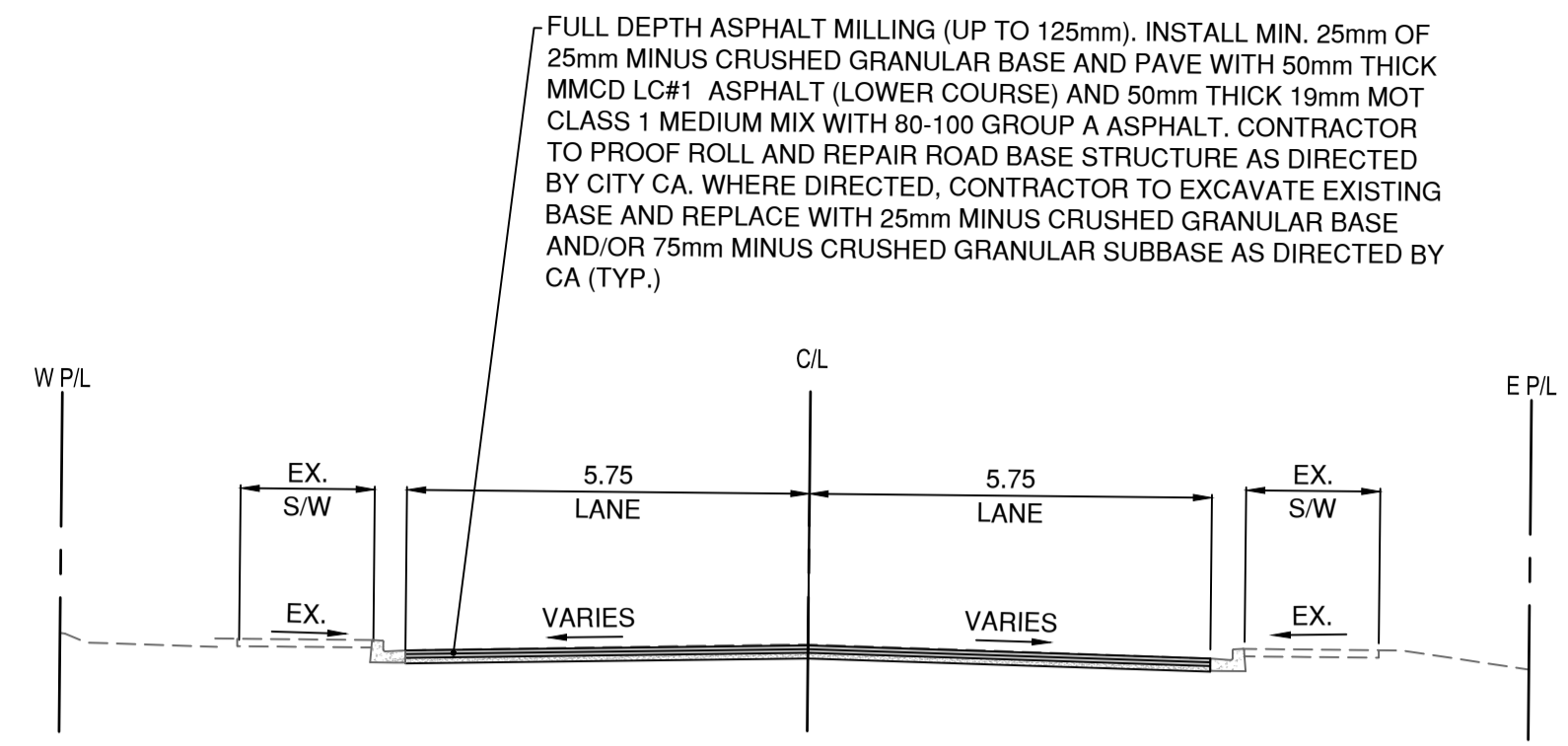
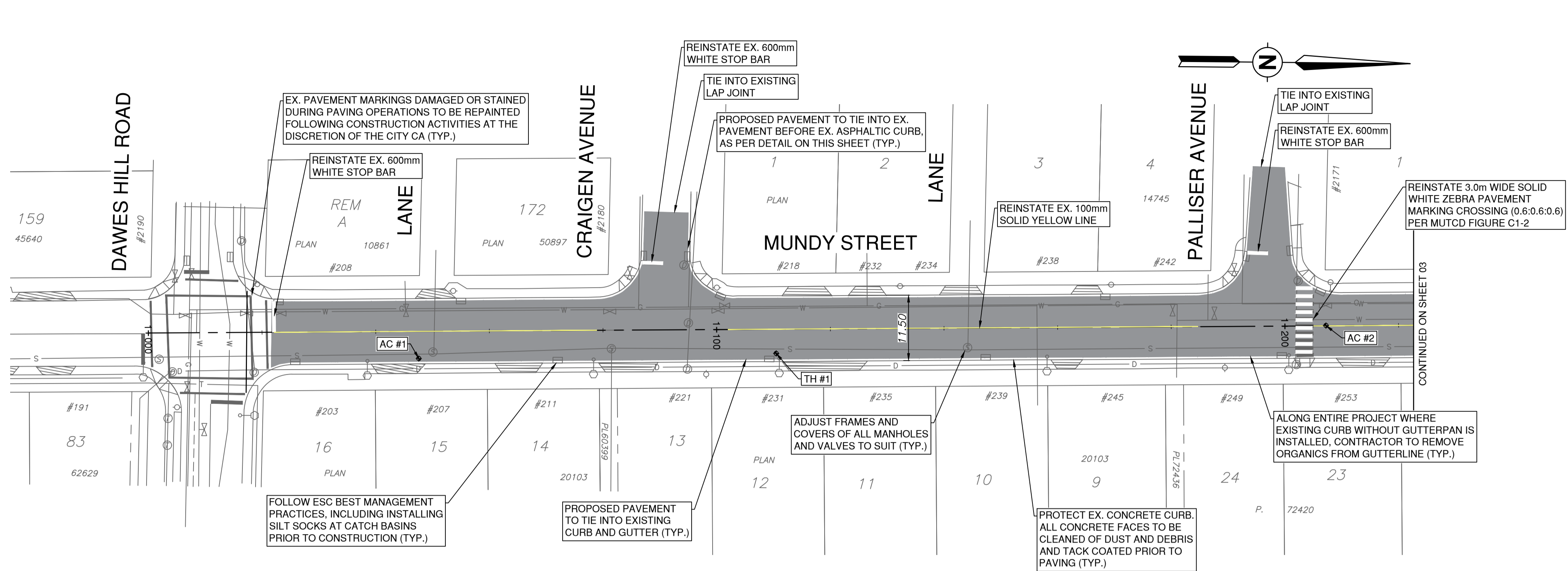
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PERMIT NUMBER: 1001299
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LEGEND	
	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A

TH #1	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-90mm
ROAD BASE	90-150mm
GRAY SAND AND GRAVEL	150-400mm
REDDISH BROWN SAND AND GRAVEL (DENSE) NATIVE	400-1000mm

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SURVEY CONTROL:

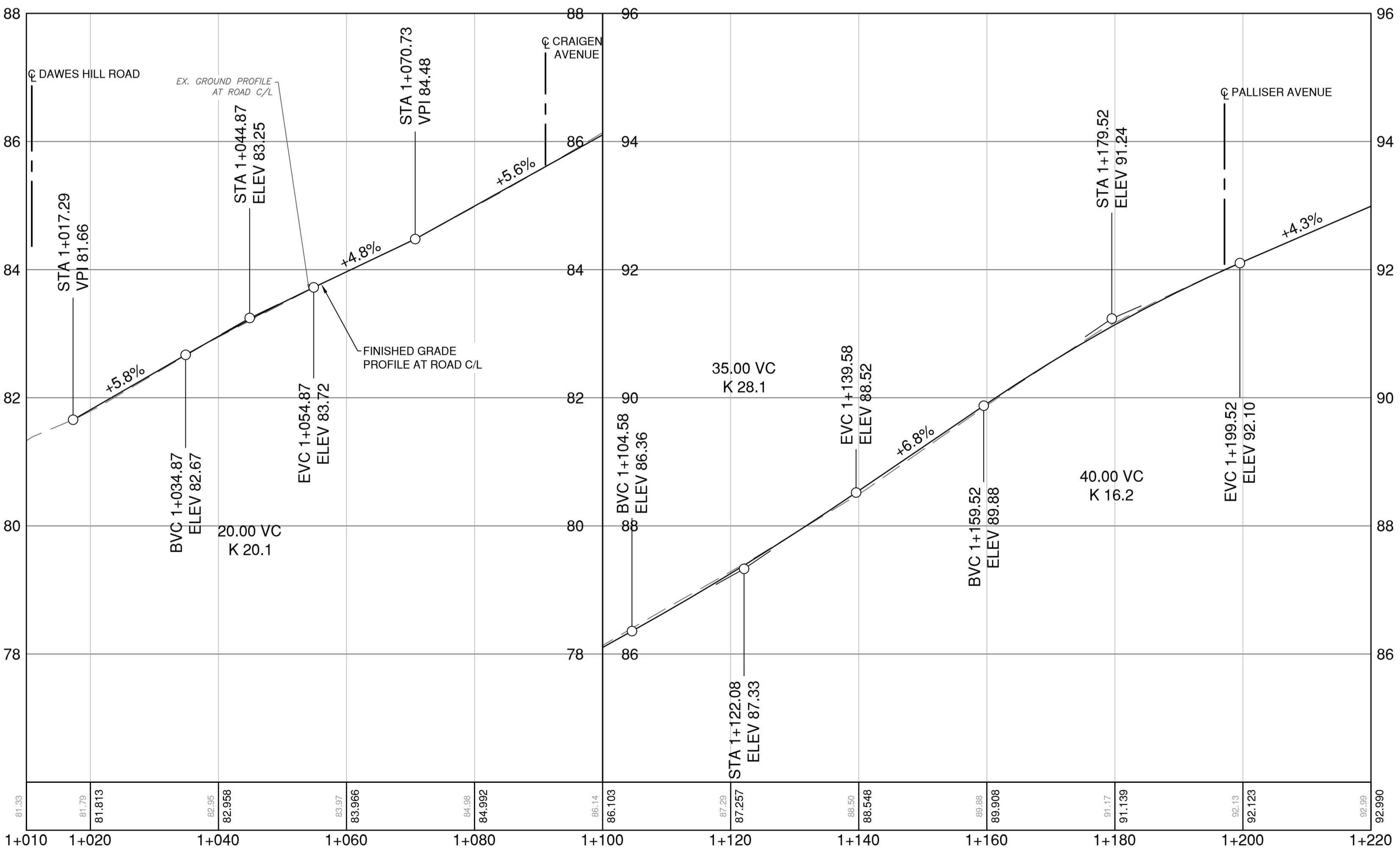
- THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
- TO CONVERT TO NAD 83 UTM COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.9999987 ABOUT POINT 0.0.
- GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TABBISH ELEVATION = 114.4m LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 (CVD08) (GVRD 2018)

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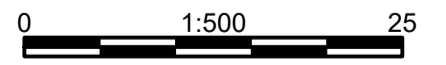
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ASPHALT CORES			
NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-01	30mm	50mm	80mm
AC-02	40mm	40mm	80mm



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	Streetlight, davit	Vegetation Deciduous
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, post top	Survey Traverse Hub
Sanitary forcemain	SFM	Catch basin, round	Survey Iron Pin
Gasmain and valve	G	Drainage service	Survey Lead Plug
Hydro duct, MH	UE	Telephone duct, MH	Telephone duct, MH
Telephone duct, MH	T	Drainage cleanout	Junction box
			Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

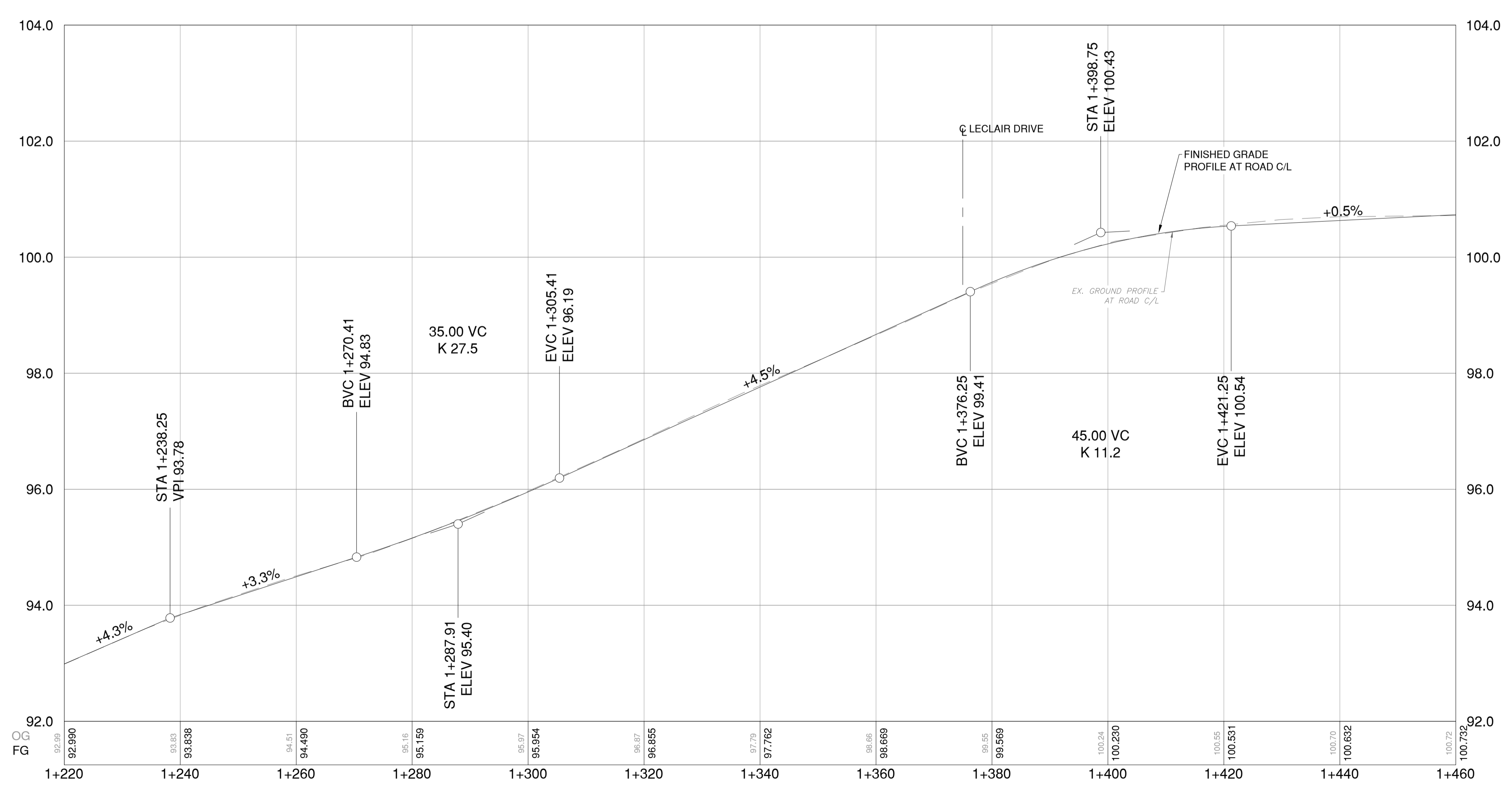
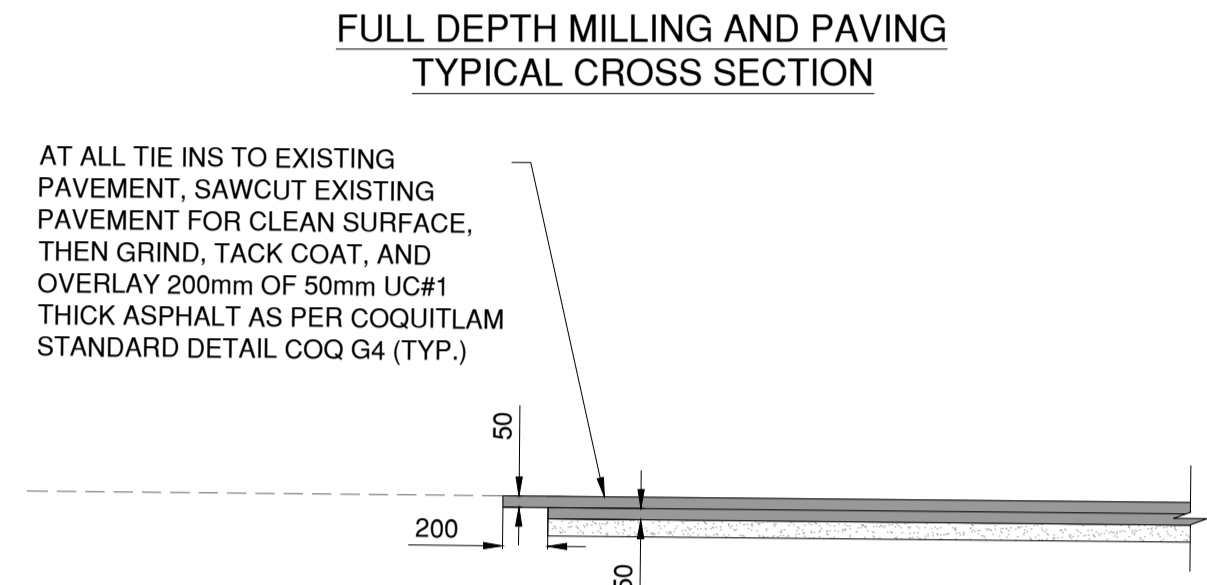
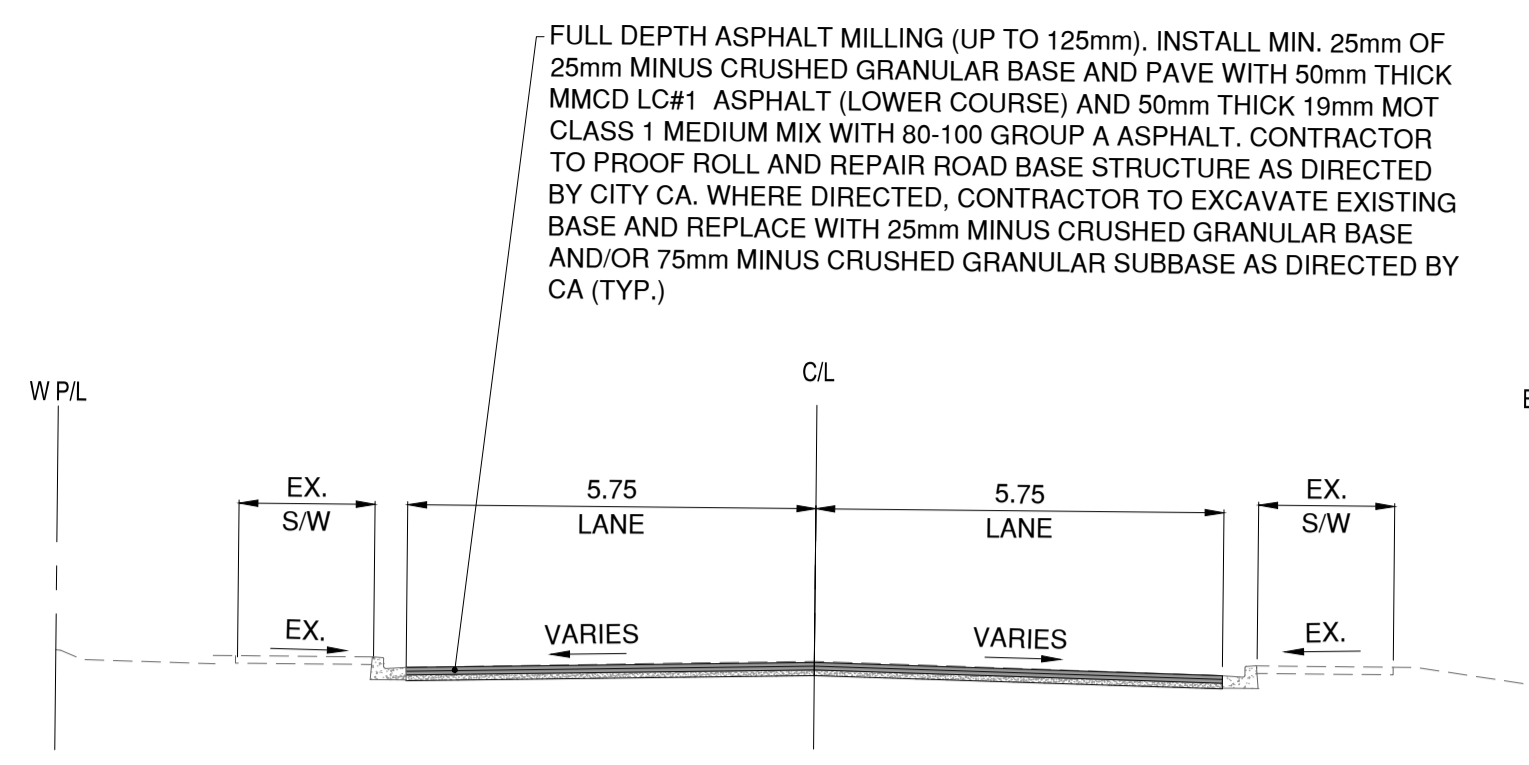
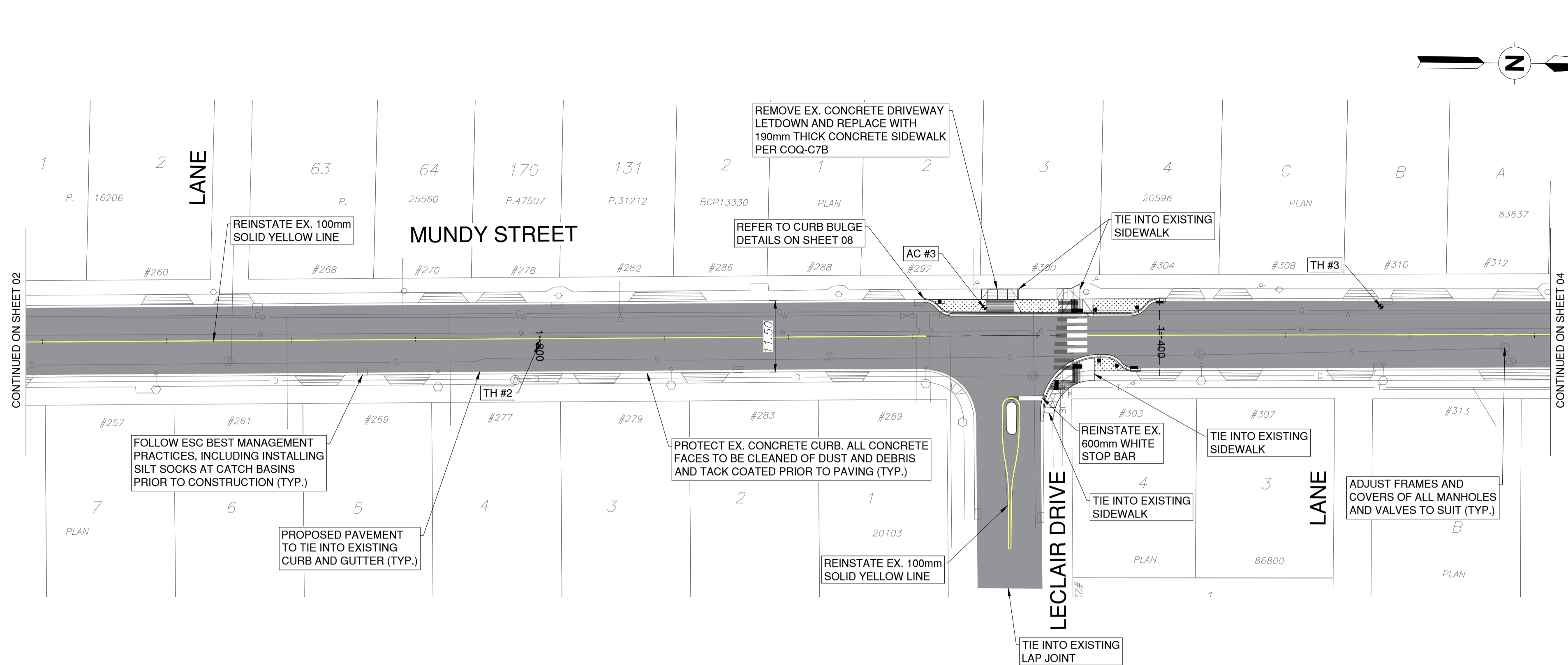
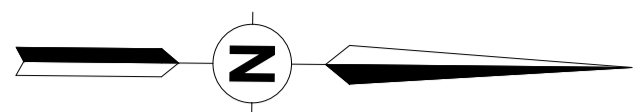
Design by	Date	November 8, 2024
JN		
Drawn by	Date	November 8, 2024
MWJ		
Checked by	Date	November 8, 2024
HL		
Approved by	Date	November 8, 2024
MH		

PRELIMINARY
NOT FOR
CONSTRUCTION

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

Scale
horiz. 1:500
vert. 1:50
Sheet 02 of 09
Eng. Project No. 2111-06500-00

Project **MUNDY STREET ROAD REHABILITATION**
DAWES HILL ROAD TO AUSTIN AVENUE
Description **MUNDY STREET**
STA. 1+000 TO STA. 1+220
File: 06500-C0-100



TH #2	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-80mm
ROAD BASE	80-190mm
GRAY SAND AND GRAVEL	190-400mm
REDDISH BROWN SAND AND GRAVEL WITH SOME ORGANICS (NATIVE)	400-530mm
REDDISH BROWN SAND WITH TRACE SILT (NATIVE)	530-1000mm

TH #3	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-80mm
ROAD BASE	80-210mm
LIGHT BROWN SAND AND GRAVEL WITH SOME COBBLES	210-660mm
REDDISH TAN SAND WITH TRACE SILT (NATIVE)	660-1000mm

LEGEND	
	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A

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ASPHALT CORES			
NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-03	30mm	40mm	70mm

SURVEY CONTROL:

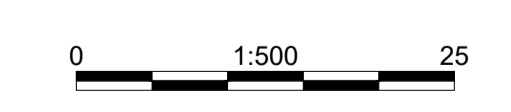
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Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiask
Drainage sewer, MH	Water blowoff	Utility pole (joint pole)	Vegetation Conifer
Drainage ditch	Water service	Utility pole with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

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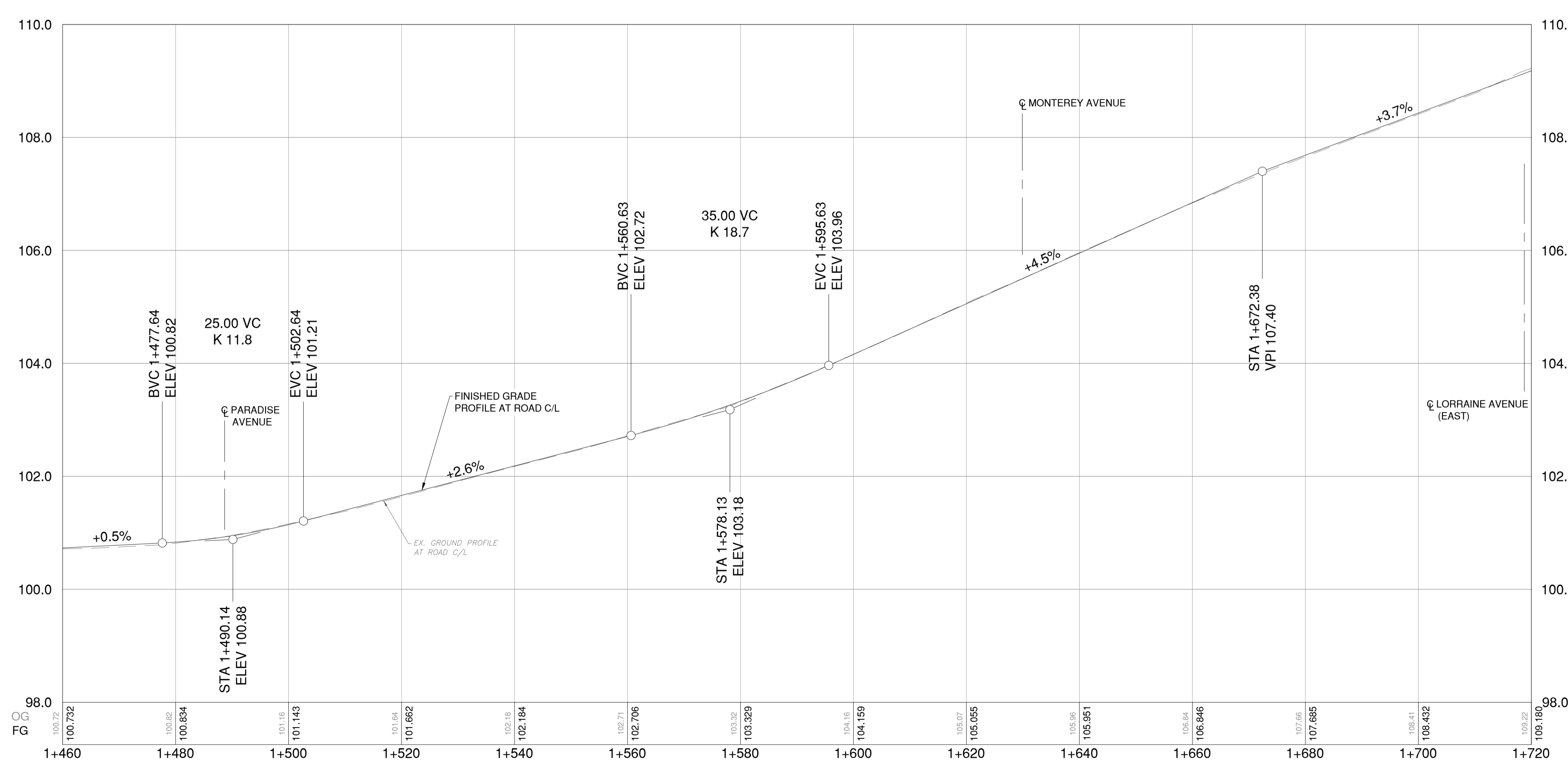
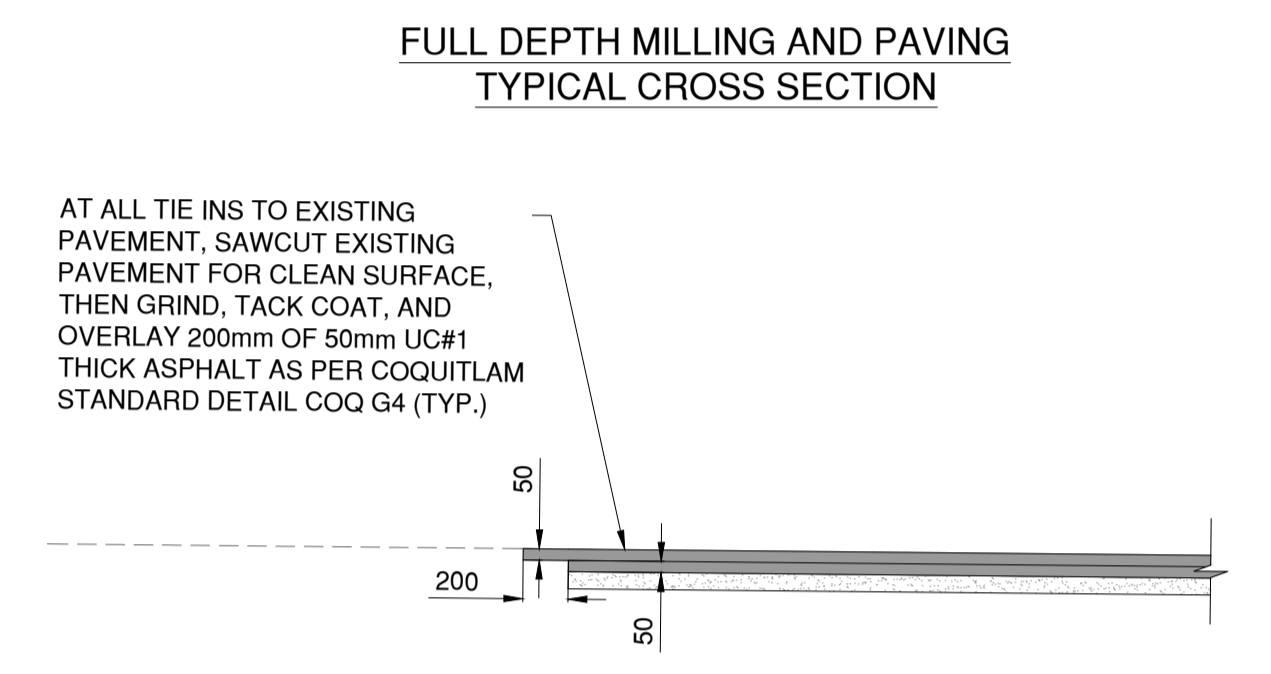
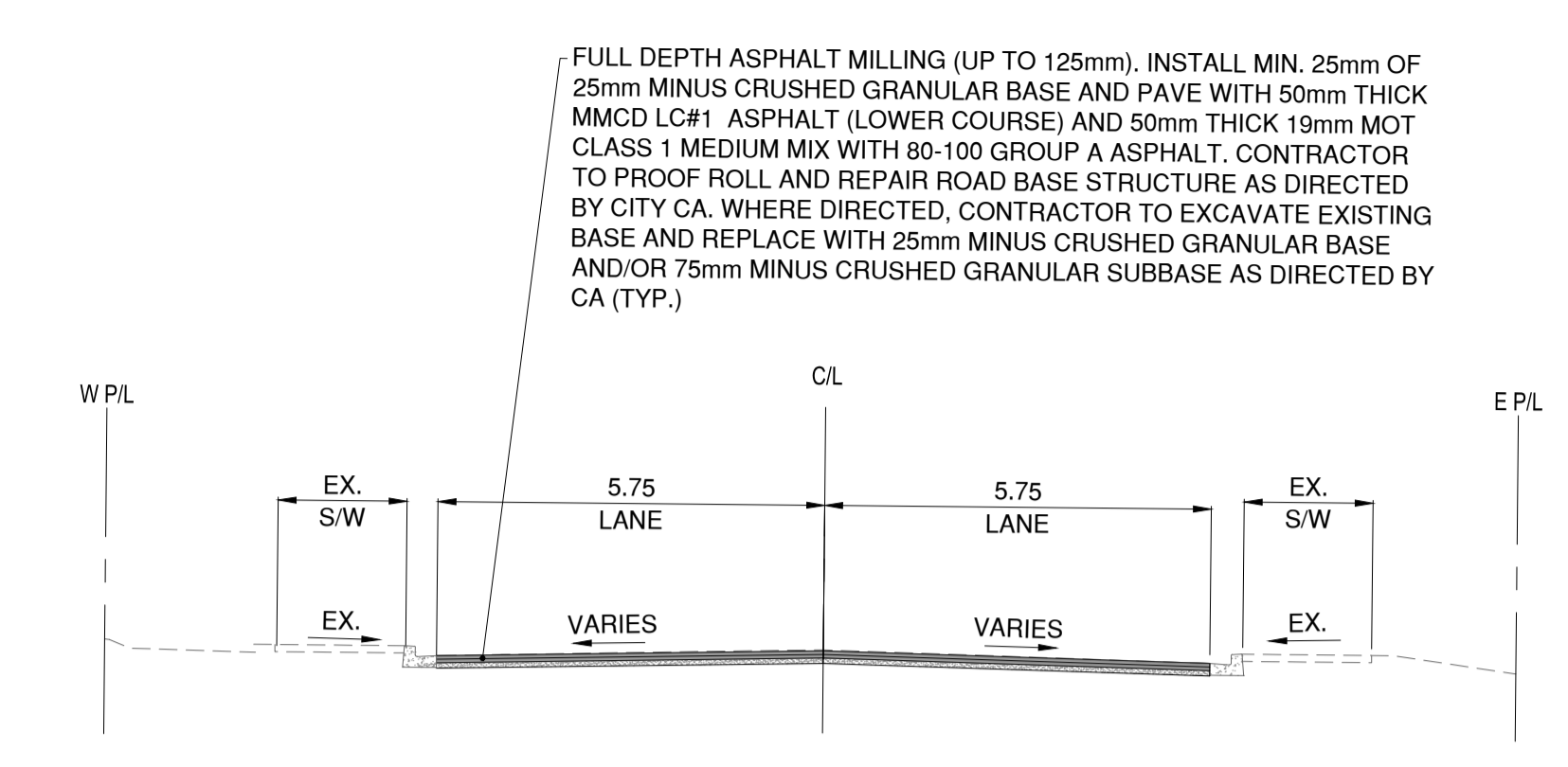
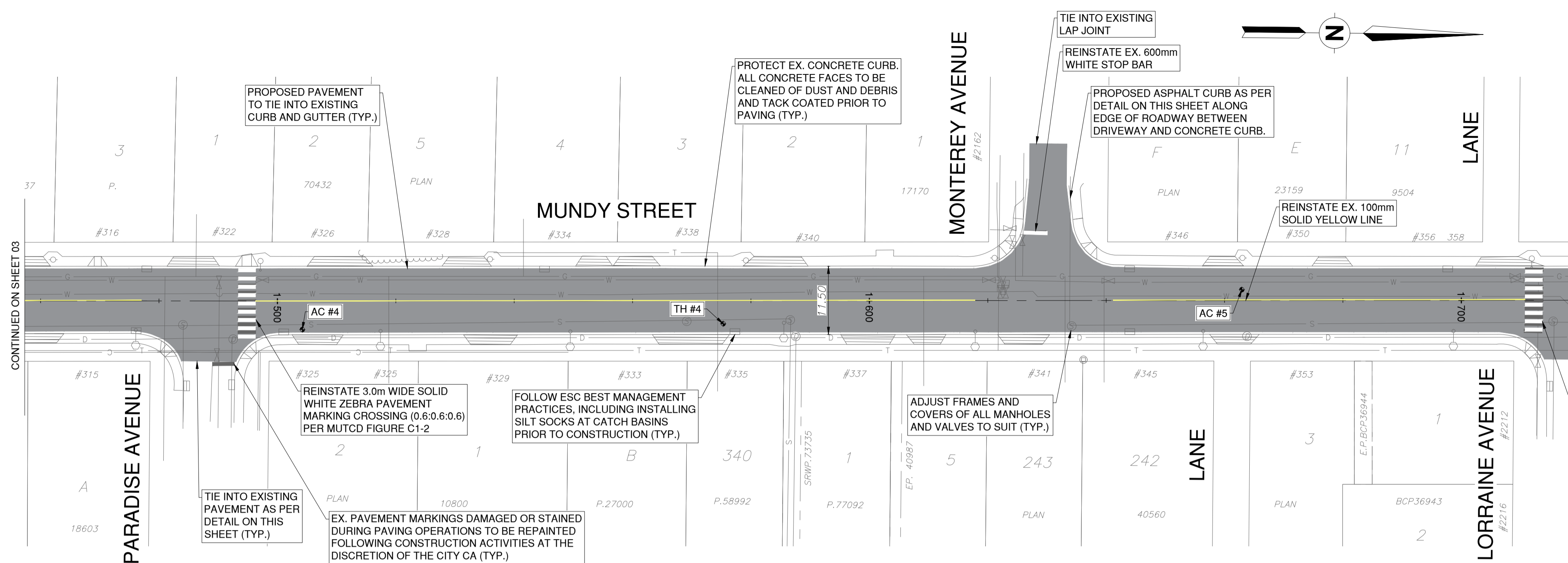
Scale	1:500	Scale	1:50
horiz.		vert.	
Sheet	03	of	09
Eng. Project No.	2111-06500-00		

Project **MUNDY STREET ROAD REHABILITATION**
DAWES HILL ROAD TO AUSTIN AVENUE

Description **MUNDY STREET**

STA. 1+220 TO STA. 1+460

File: 06500-C0-100

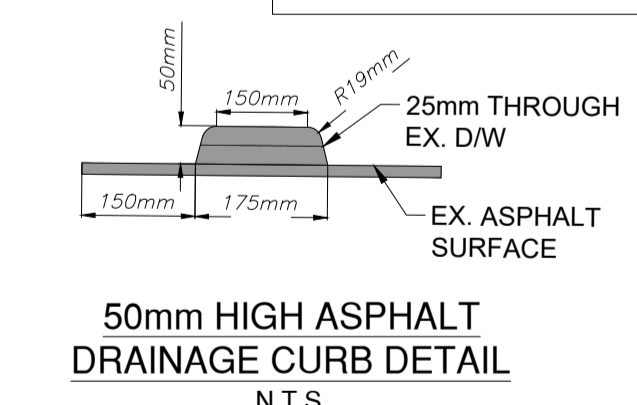


DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-100mm
ROAD BASE	100-430mm
BROWN SILT WITH SOME SAND (NATIVE)	430-1000mm

	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A

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NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-04	35mm	35mm	70mm
AC-05	35mm	65mm	95mm

SURVEY CONTROL:

- THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
- TO CONVERT TO NAD83 UTM COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.9999987 ABOUT POINT 0.0.
- GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TABBISH ELEVATION = 114.4m LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 (CGVD88 (GVD 2018)).

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Engineers and Geoscientists of BC

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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	Catch basin, top inlet	Streetlight, davit	Vegetation Shrub
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

Design by: JN Date: November 8, 2024
 Drawn by: MWJ Date: November 8, 2024
 Checked by: HL Date: November 8, 2024
 Approved by: MH Date: November 8, 2024

McElhanney

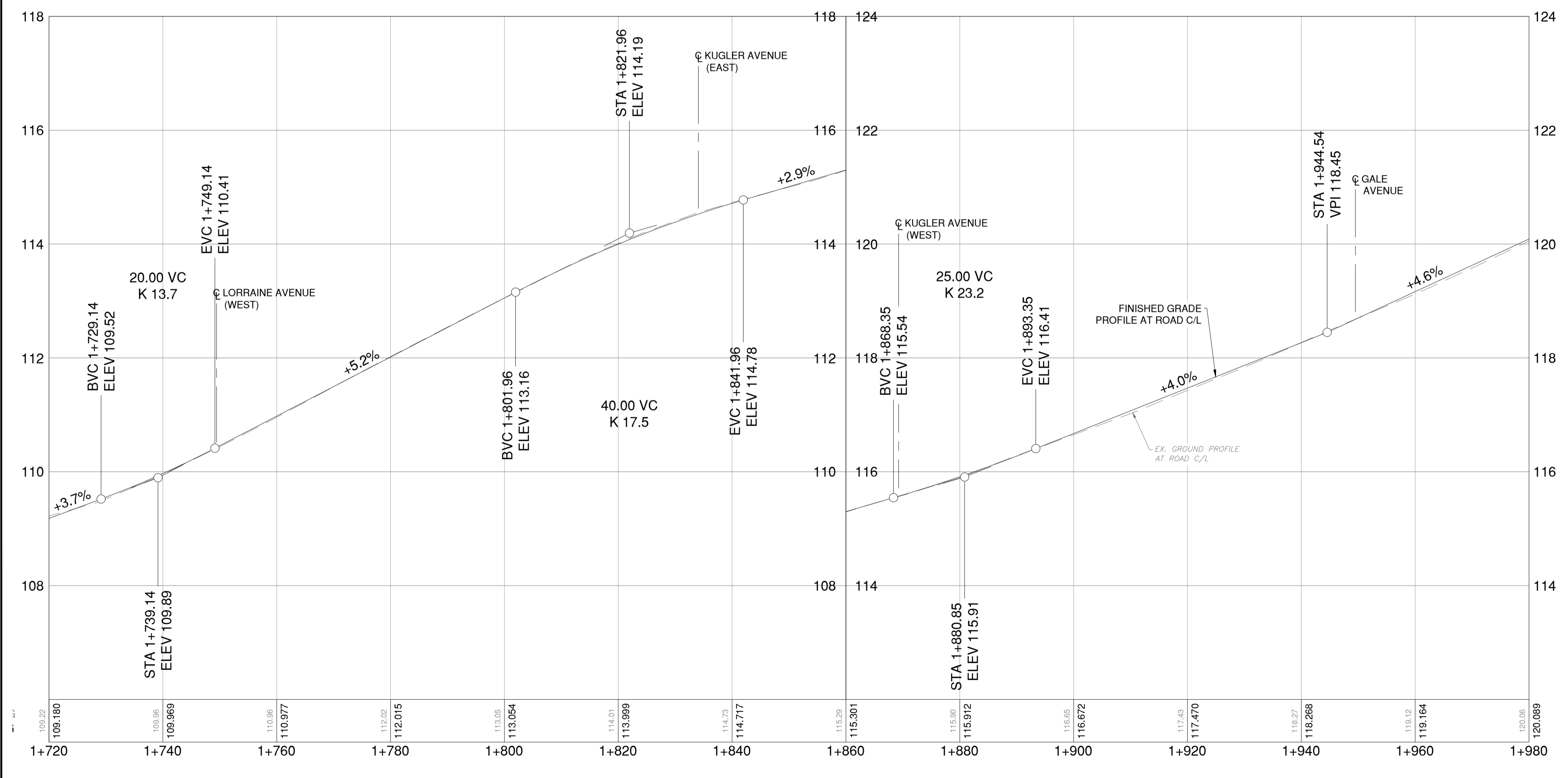
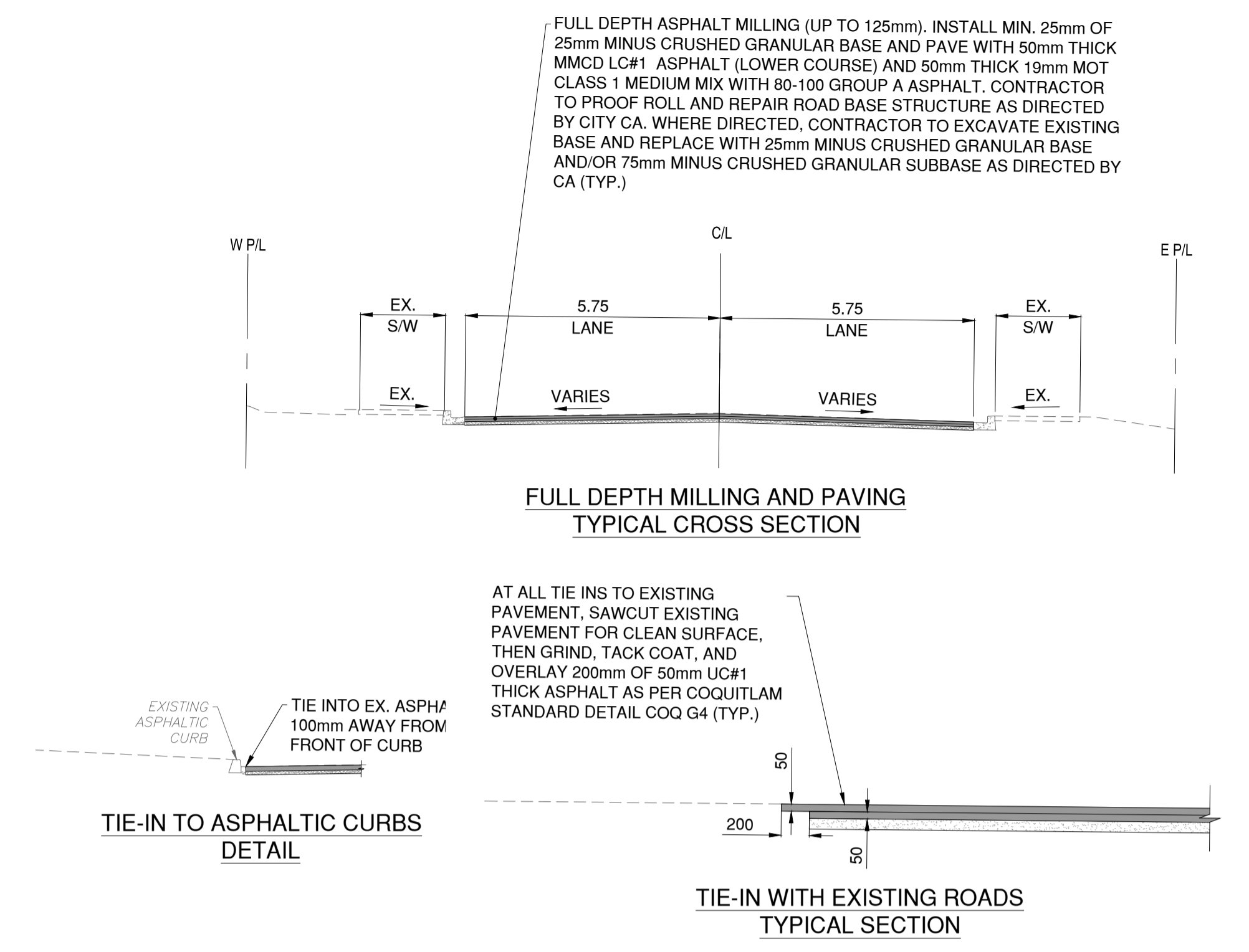
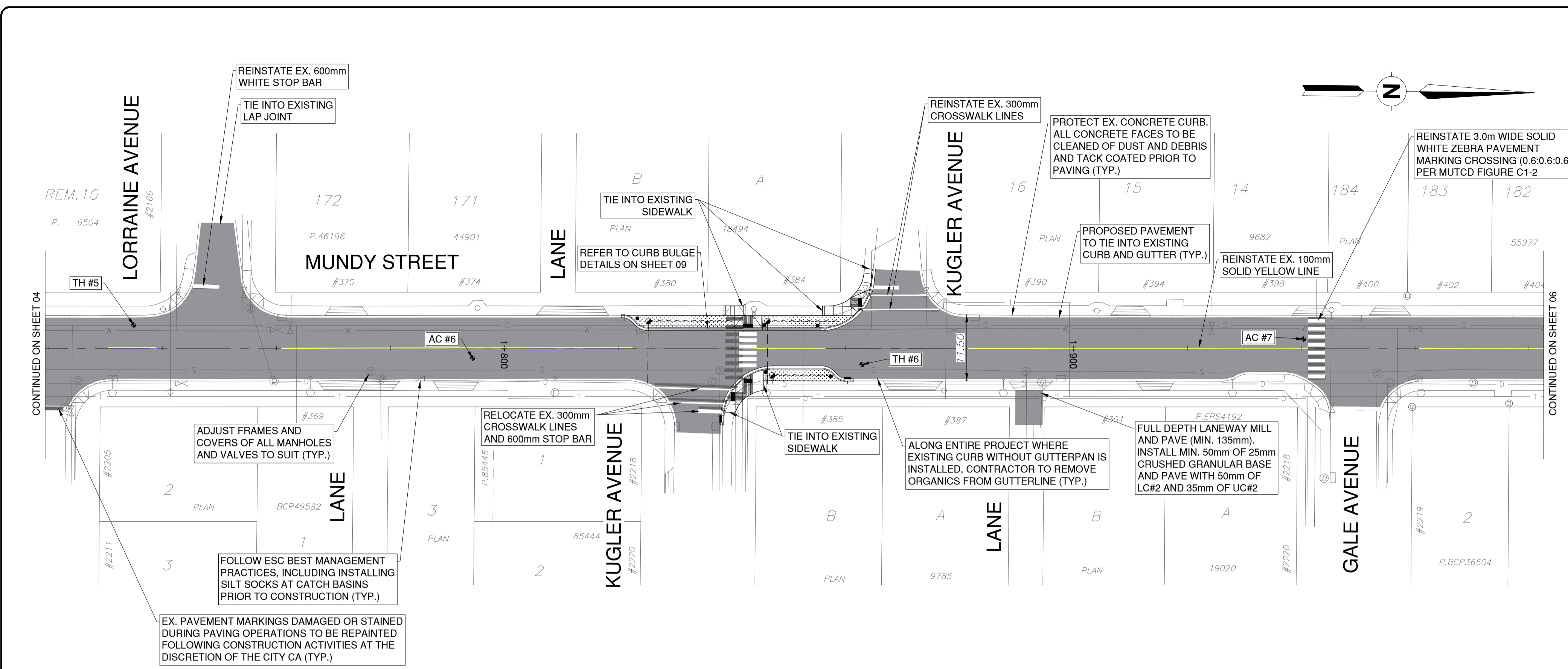
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Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale: 1:500
 Sheet: 04 of 09
 Eng. Project No.: 2111-06500-00

Project: **MUNDY STREET ROAD REHABILITATION**
 DAWES HILL ROAD TO AUSTIN AVENUE
 Description: **MUNDY STREET**
 STA. 1+460 TO STA. 1+700
 File: 06500-C0-100



TH #5		TH #6	
DESCRIPTION	LAYER DEPTH	DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-90mm	ASPHALTIC CONCRETE	0-90mm
ROAD BASE	90-200mm	ROAD BASE	90-200mm
BROWN SAND AND GRAVEL WITH COBBLES (NATIVE)	200-1000mm	TAN SILTY SAND WITH GRAVEL (DENSE)	220-1000mm

LEGEND	
	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A

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ASPHALT CORES			
NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-06	20mm	35mm	55mm
AC-07	50mm	40mm	90mm

SURVEY CONTROL:

- THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
- TO CONVERT TO NAD83 UTM COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.999987 ABOUT POINT 0.0.
- GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION ON CONTROL TACKS; ELEVATION = 114.1m LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 (CVD28) (GVRD 2018)

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PERMIT NUMBER: 1003299
Engineers and Geoscientists of BC

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Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiask
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
Gasmain and valve	UC	Catch basin, round	Comb signal pole
Hydro duct, MH	G	Drainage service	Traffic signal pole
Telephone duct, MH	T	Drainage cleanout	Junction box
			Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

Design by	Date	November 8, 2024
Drawn by	Date	November 8, 2024
Checked by	Date	November 8, 2024
Approved by	Date	November 8, 2024

PRELIMINARY NOT FOR CONSTRUCTION

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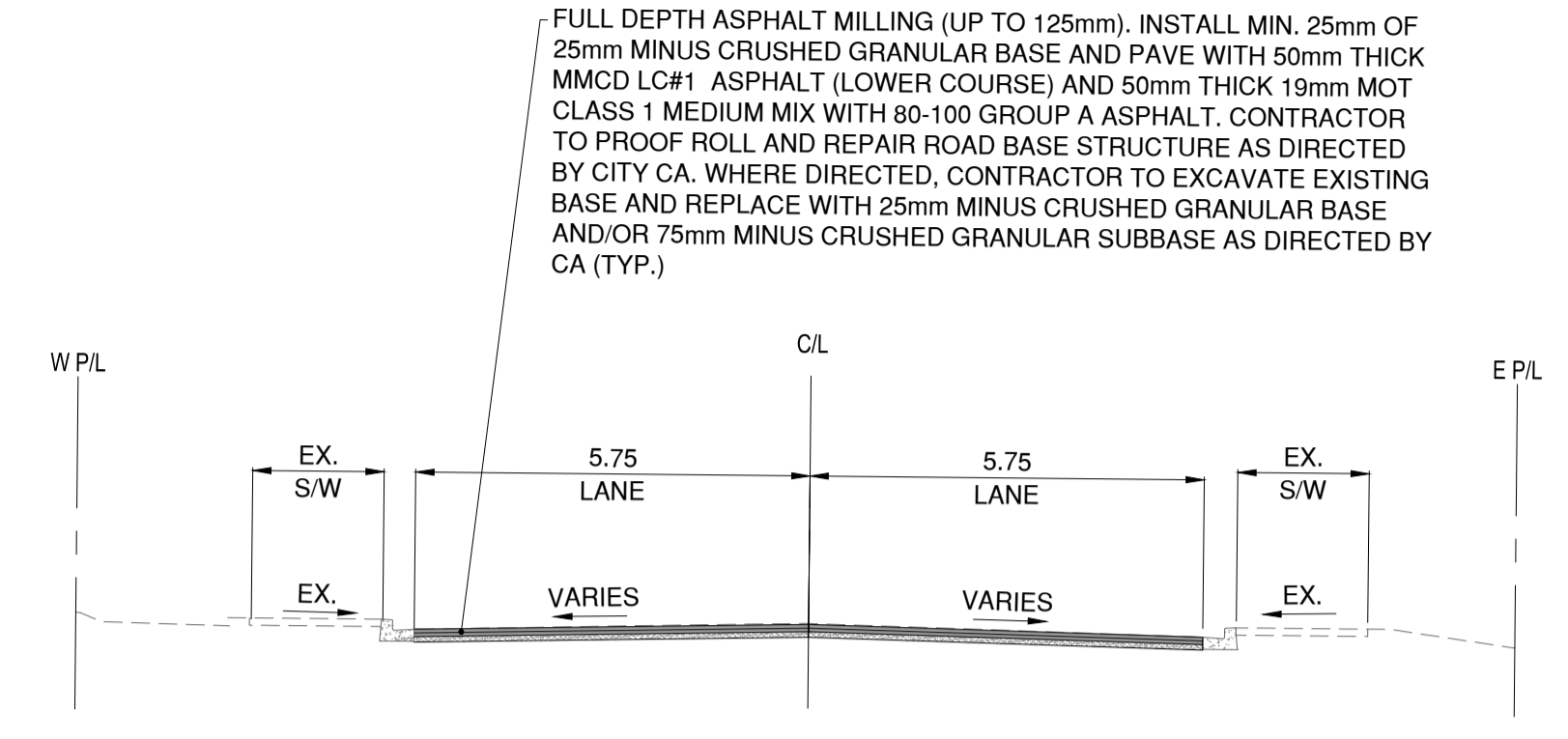
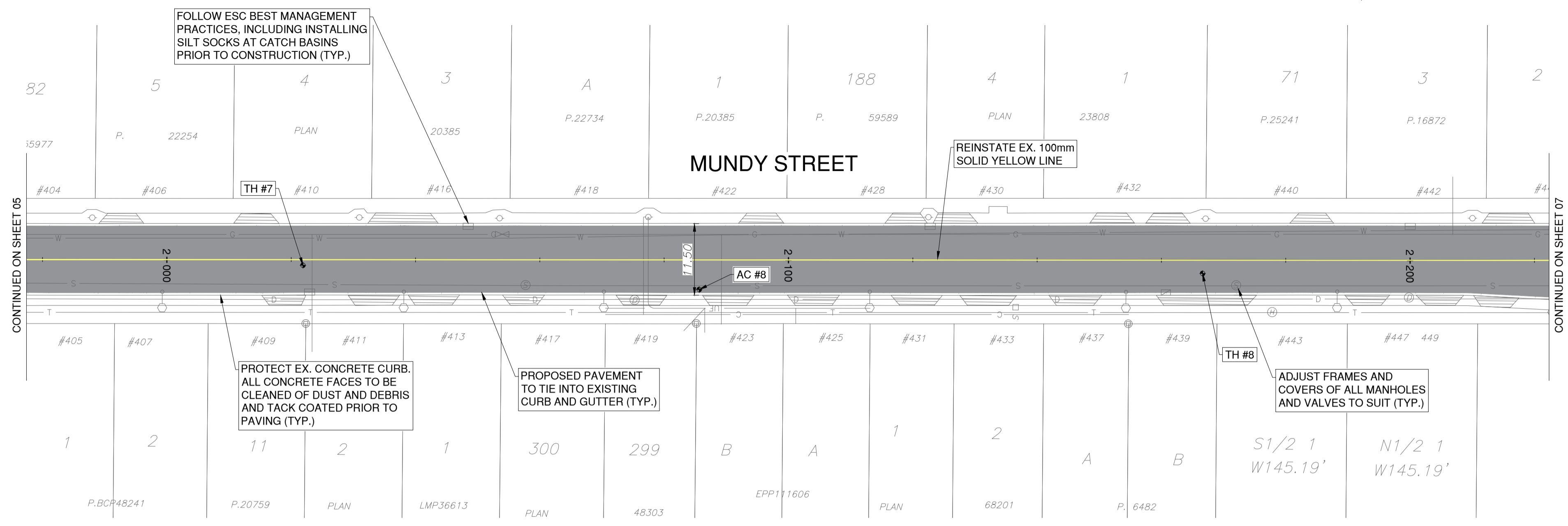
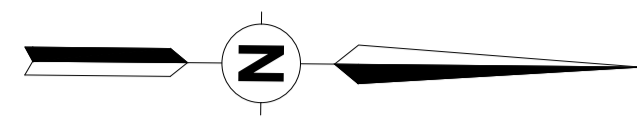
Coquitlam
Engineering & Public Works
3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale	1:500	Scale	1:50
Sheet	05	of	09
Eng. Project No.	2111-06500-00		

Project: **MUNDY STREET ROAD REHABILITATION**
DAWES HILL ROAD TO AUSTIN AVENUE

Description: **MUNDY STREET**
STA. 1+700 TO STA. 1+980

File: 06500-C0-100

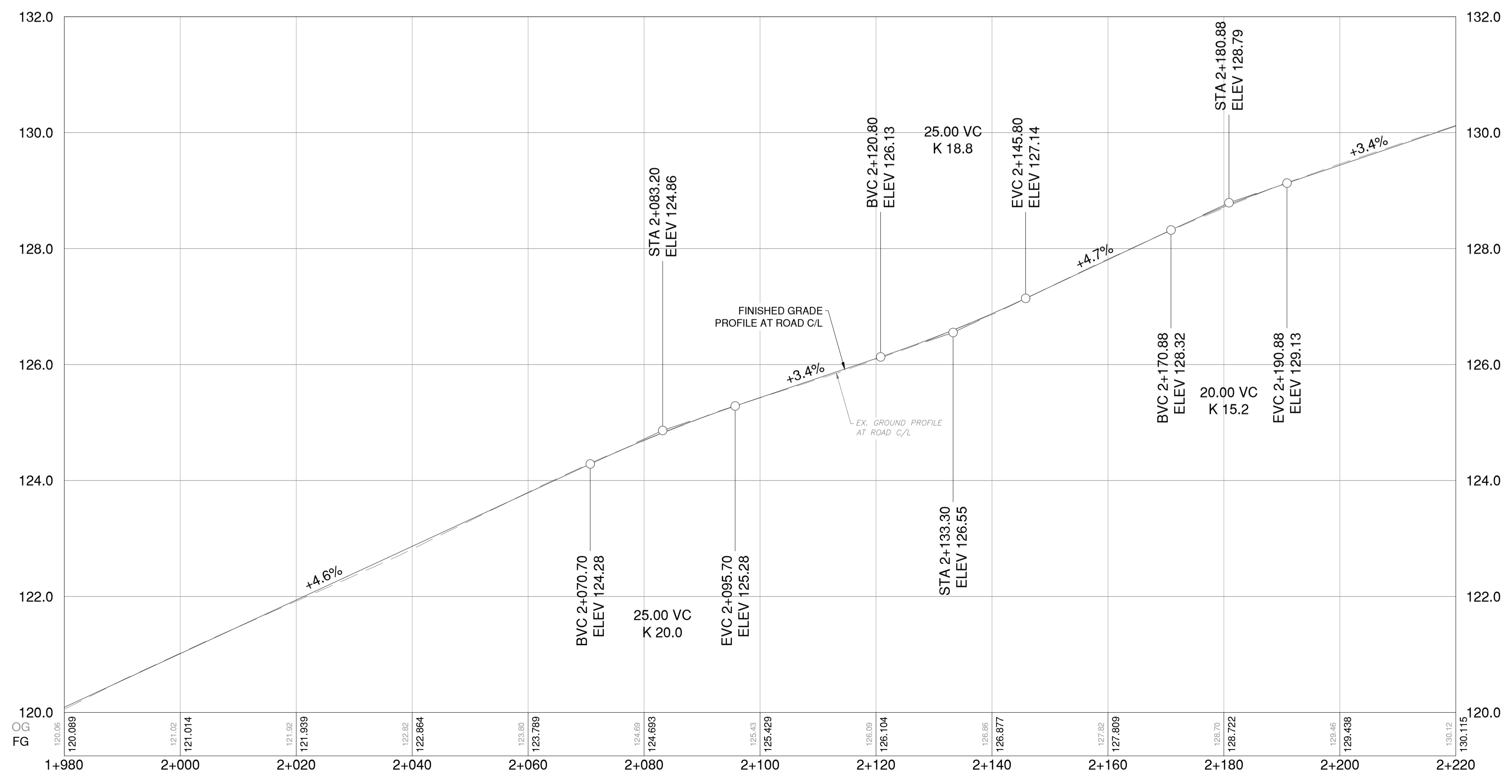


FULL DEPTH MILLING AND PAVING TYPICAL CROSS SECTION

TH #7	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-90mm
ROAD BASE	90-180mm
GRAY SAND AND GRAVEL WITH SOME COBBLES	180-300mm
BROWN SILTY AND WITH SOME ORGANICS (NATIVE) SOFT	300-1000mm

TH #8	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-90mm
ROAD BASE	90-180mm
BROWN SAND AND GRAVEL WITH COBBLES	180-350mm
REDDISH BROWN SAND AND GRAVEL WITH SOME SILT (NATIVE)	350-1000mm

LEGEND	
	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A



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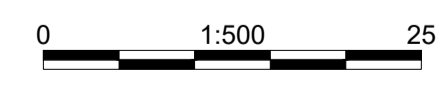
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ASPHALT CORES			
NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-08	45mm	40mm	85mm

SURVEY CONTROL:
 1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
 2. TO CONVERT TO NAD83 UTM COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.999987 ABOUT POINT 0+0.
 3. GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TAGS#9. ELEVATION = 114.2m, LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND RUSLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1929 (CVD) (GVRD 2015).

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 PERMIT NUMBER: 1003299
 Engineers and Geoscientists of BC

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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	Catch basin, top inlet	Streetlight, davit	Vegetation Shrub
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

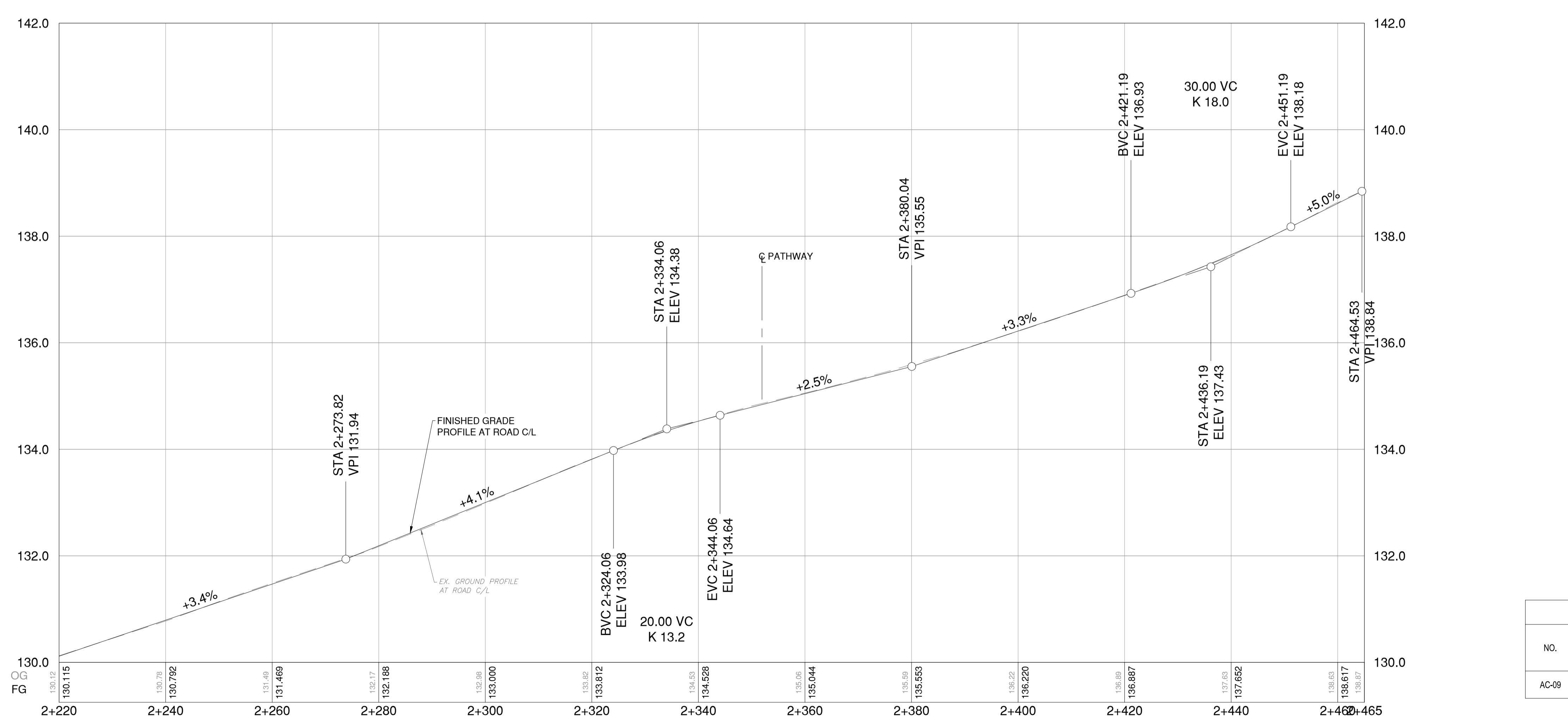
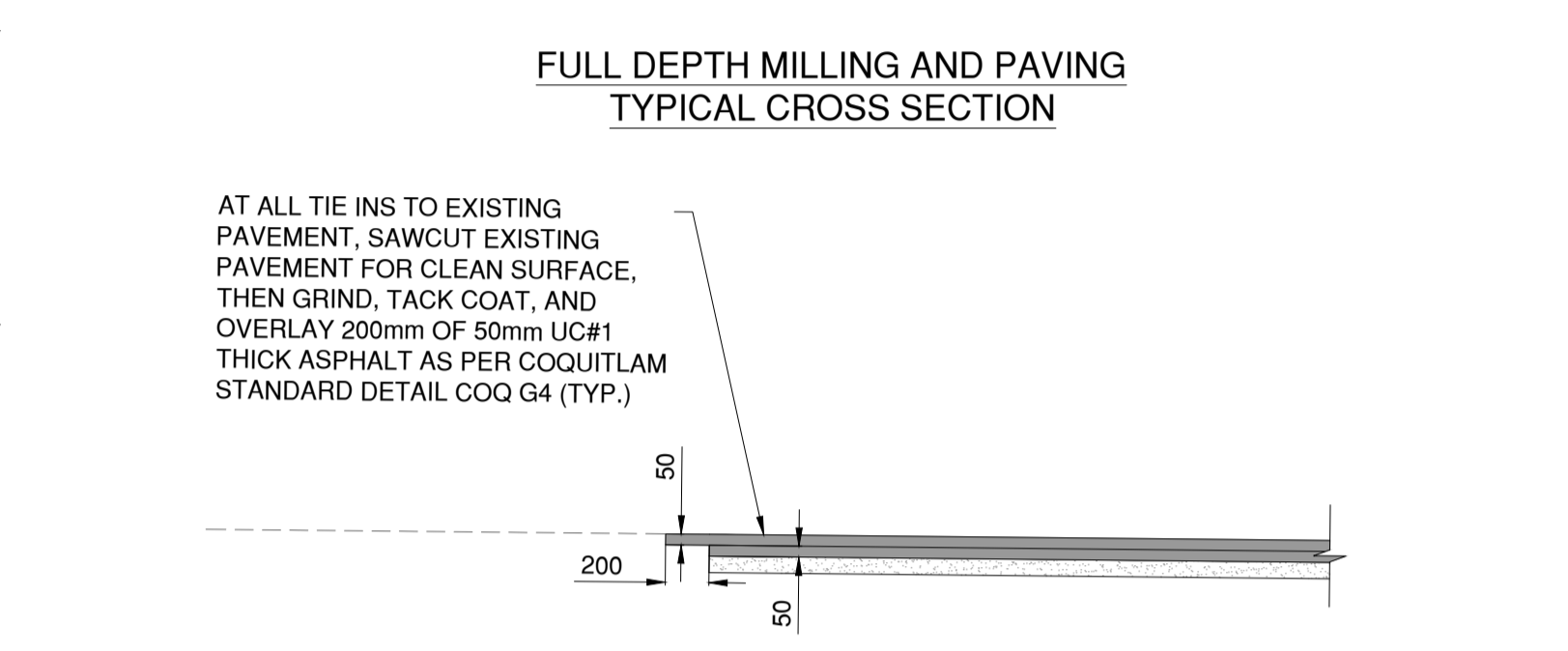
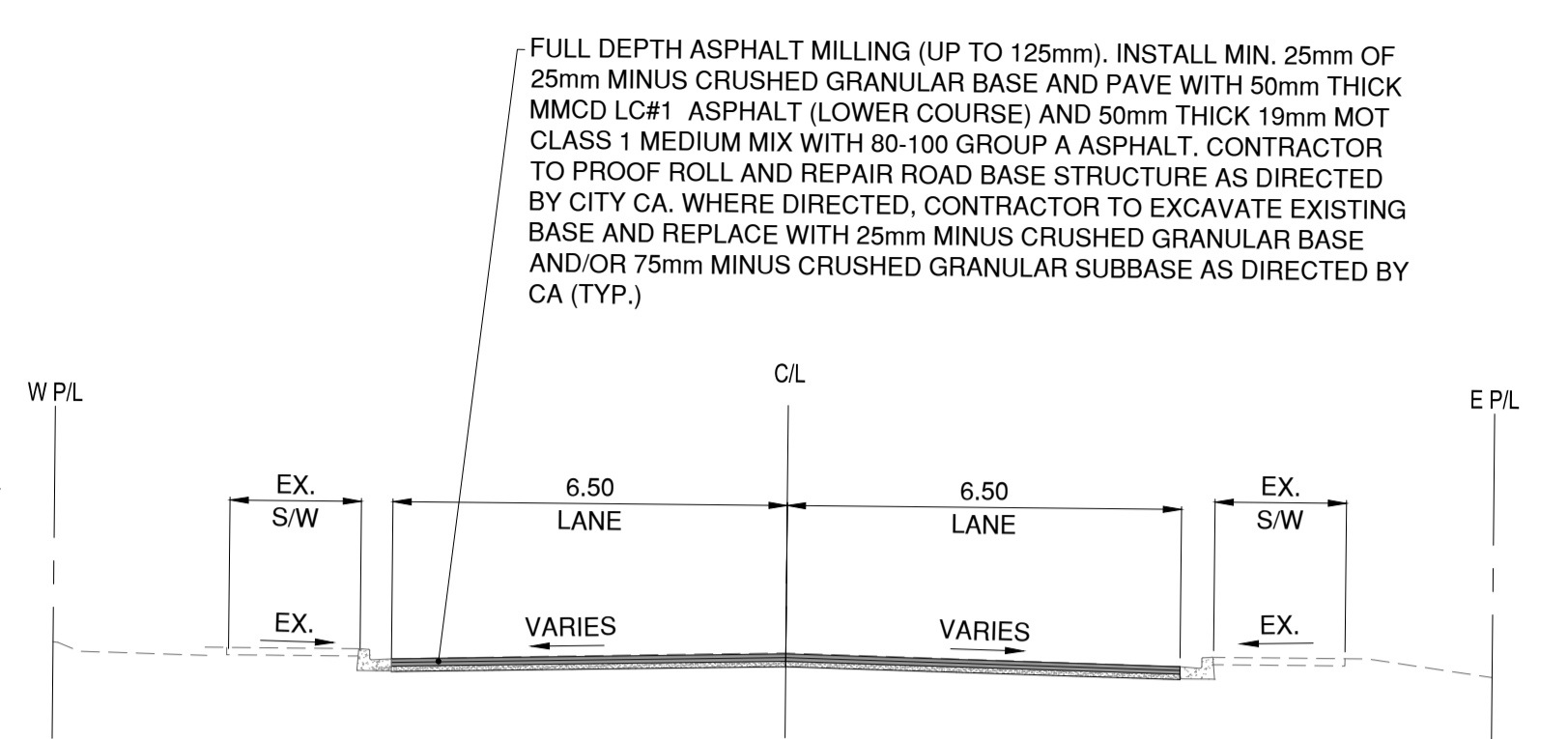
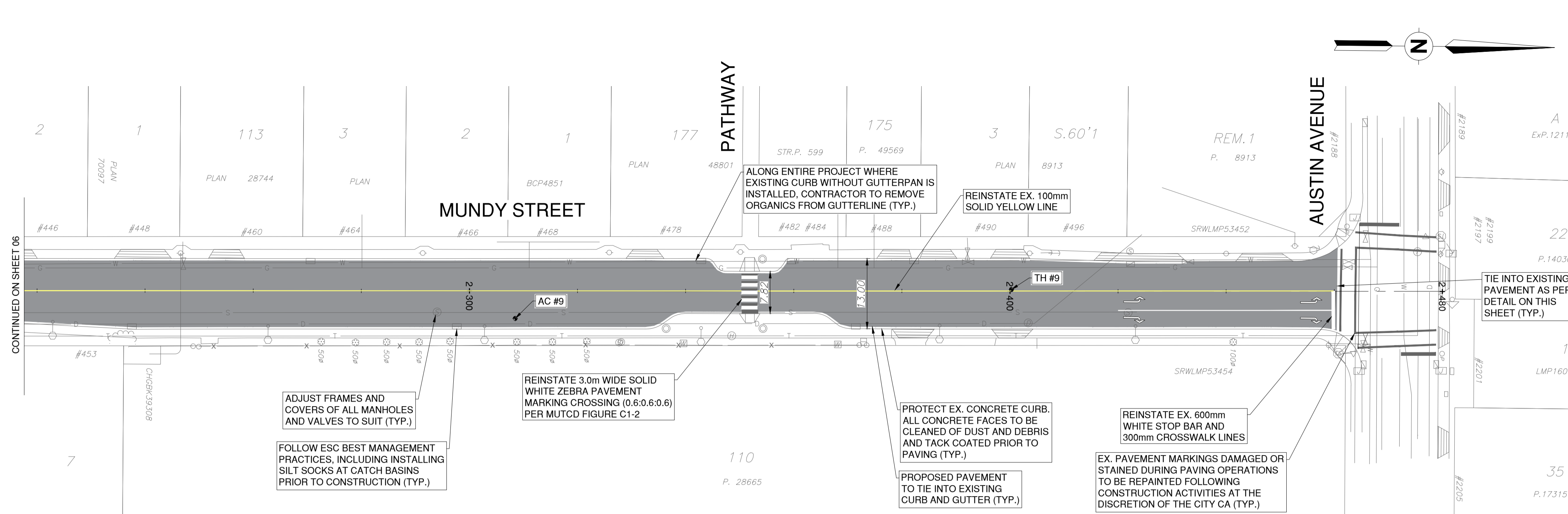
Design by	Date	November 8, 2024
Drawn by	Date	November 8, 2024
Checked by	Date	November 8, 2024
Approved by	Date	November 8, 2024

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Scale: 1:500 horiz. Scale: 1:50 vert.
 Sheet 06 of 09
 Eng. Project No. 2111-06500-00

Project: **MUNDY STREET ROAD REHABILITATION**
 DAWES HILL ROAD TO AUSTIN AVENUE
 Description: **MUNDY STREET**
 STA. 1+980 TO STA. 2+220
 File: 06500-C0-100



TH #9	
DESCRIPTION	LAYER DEPTH
ASPHALTIC CONCRETE	0-90mm
ROAD BASE	90-350mm
GRAY SAND AND GRAVEL WITH SOME SILT (3" AGGREGATE)	350-1000mm

LEGEND	
	FULL DEPTH MILLING AND PAVING
	BOULEVARD - 150mm TOPSOIL AND SOD
	CONCRETE SIDEWALK - 100mm THICK CONCRETE C/W 100mm GRANULAR BASE AS PER COQ-C9A

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SURVEY CONTROL:
 1. THE SURVEY IS ON A LOCAL GROUND COORDINATE SYSTEM.
 2. TO CONVERT TO NAD83 UTM COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.999987 ABOUT POINT 0.0.
 3. GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TAGS: ELEVATION +114.7m; LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 (CVD28) (GVD 1918)

PERMIT TO PRACTICE
 McElhanney Ltd.
 PERMIT NUMBER: 1003299
 Engineers and Geoscientists of BC

ASPHALT CORES			
NO.	TOP LIFT	BOTTOM LIFT	TOTAL ASPHALT THICKNESS
AC-09	30mm	50mm	80mm

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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	Streetlight, davit	Vegetation Deciduous
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, post top	Survey Traverse Hub
Sanitary forcemain	Catch basin, side inlet	Comb signal pole	Survey Iron Pin
Gasmain and valve	Catch basin, round	Traffic signal pole	Survey Lead Plug
Hydro duct, MH	Drainage service	Junction box	Survey Monument
Telephone duct, MH	Drainage cleanout		

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

Design by: JN Date: November 8, 2024
 Drawn by: MWJ Date: November 8, 2024
 Checked by: HL Date: November 8, 2024
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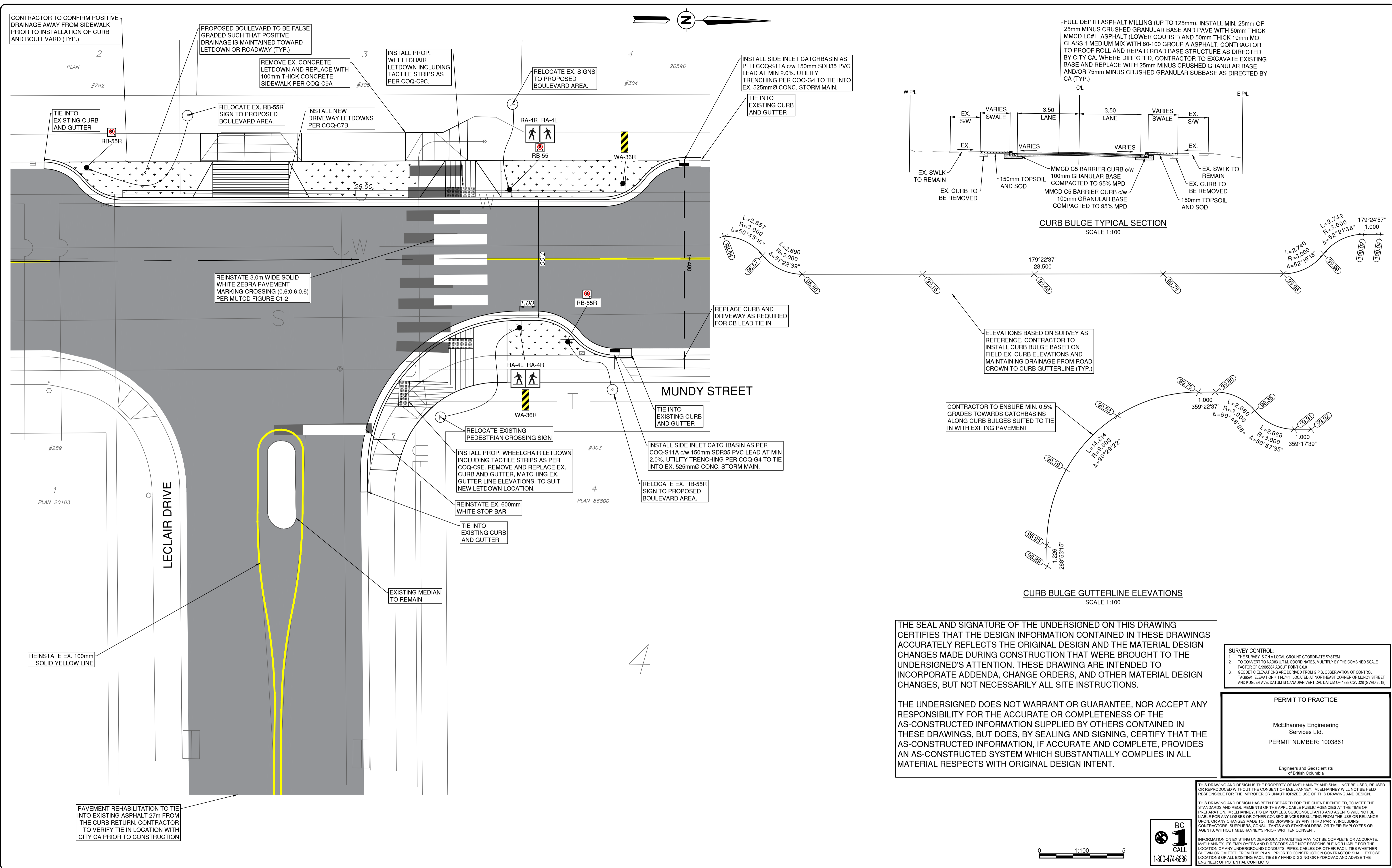
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Coquitlam
 Engineering & Public Works
 3000 Guildford Way, Coquitlam, B.C. V3B 7N2

Scale: 1:500
 Sheet: 07 of 09
 Eng. Project No: 2111-06500-00

Project: **MUNDY STREET ROAD REHABILITATION DAWES HILL ROAD TO AUSTIN AVENUE**
 Description: **MUNDY STREET**
 STA. 2+220 TO STA. 2+470
 File: 06500-C0-100



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	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
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Design by: JN, Date: November 8, 2024
 Drawn by: MWJ, Date: November 8, 2024
 Checked by: HL, Date: November 8, 2024
 Approved by: MH, Date: November 8, 2024

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

Scale horz: 1:100, Scale vert: N/A
 Sheet 08 of 09
 Eng. Project No. 2111-06500-00

Project: **MUNDY STREET ROAD REHABILITATION**
 DAWES HILL ROAD TO AUSTIN AVENUE
 Description: **MUNDY STREET**
 MUNDY STREET AT LECLAIR DRIVE INTERSECTION
 File: 06500-C0-100_INT

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SURVEY CONTROL:
 1. THE SURVEYS ON A LOCAL GROUND COORDINATE SYSTEM.
 2. TO CONVERT TO NAD83 U.T.M. COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.999987 ABOUT POINT 0.0.0.
 3. GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TAG6891, ELEVATION = 114.74m, LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 CGVD28 (GVD 2016)

PERMIT TO PRACTICE

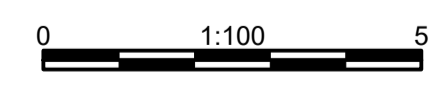
McElhanney Engineering Services Ltd.
 PERMIT NUMBER: 1003861

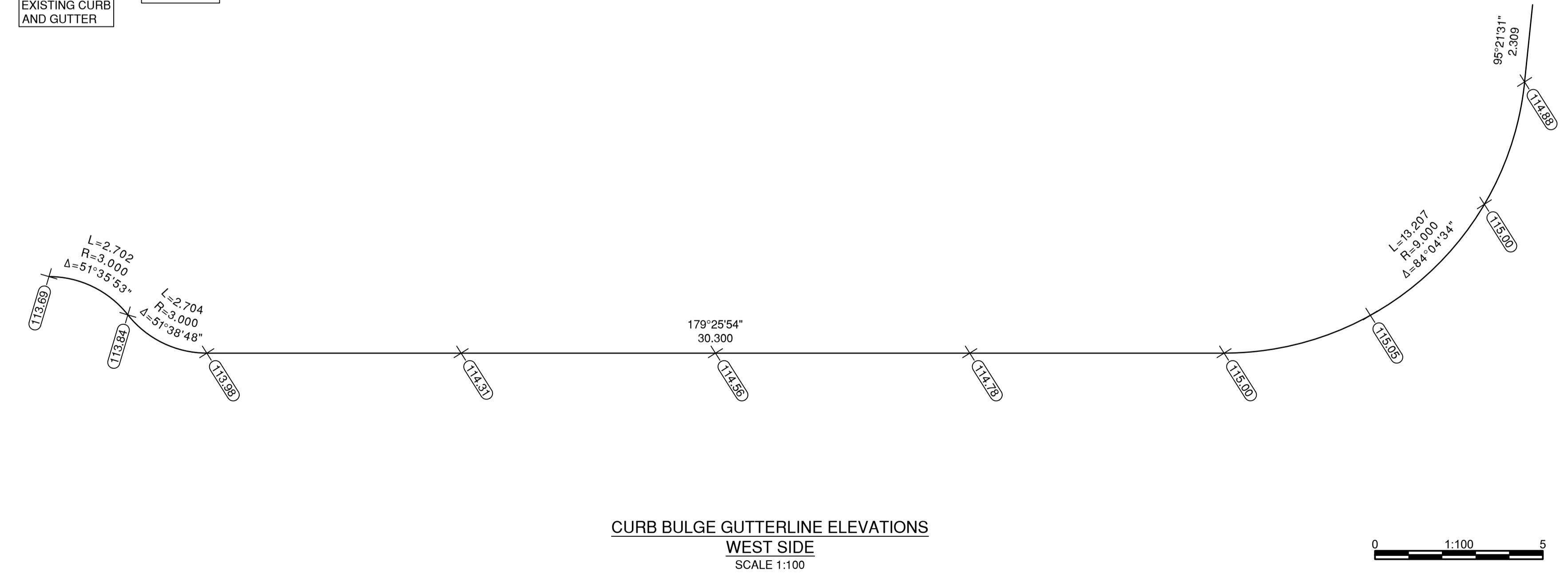
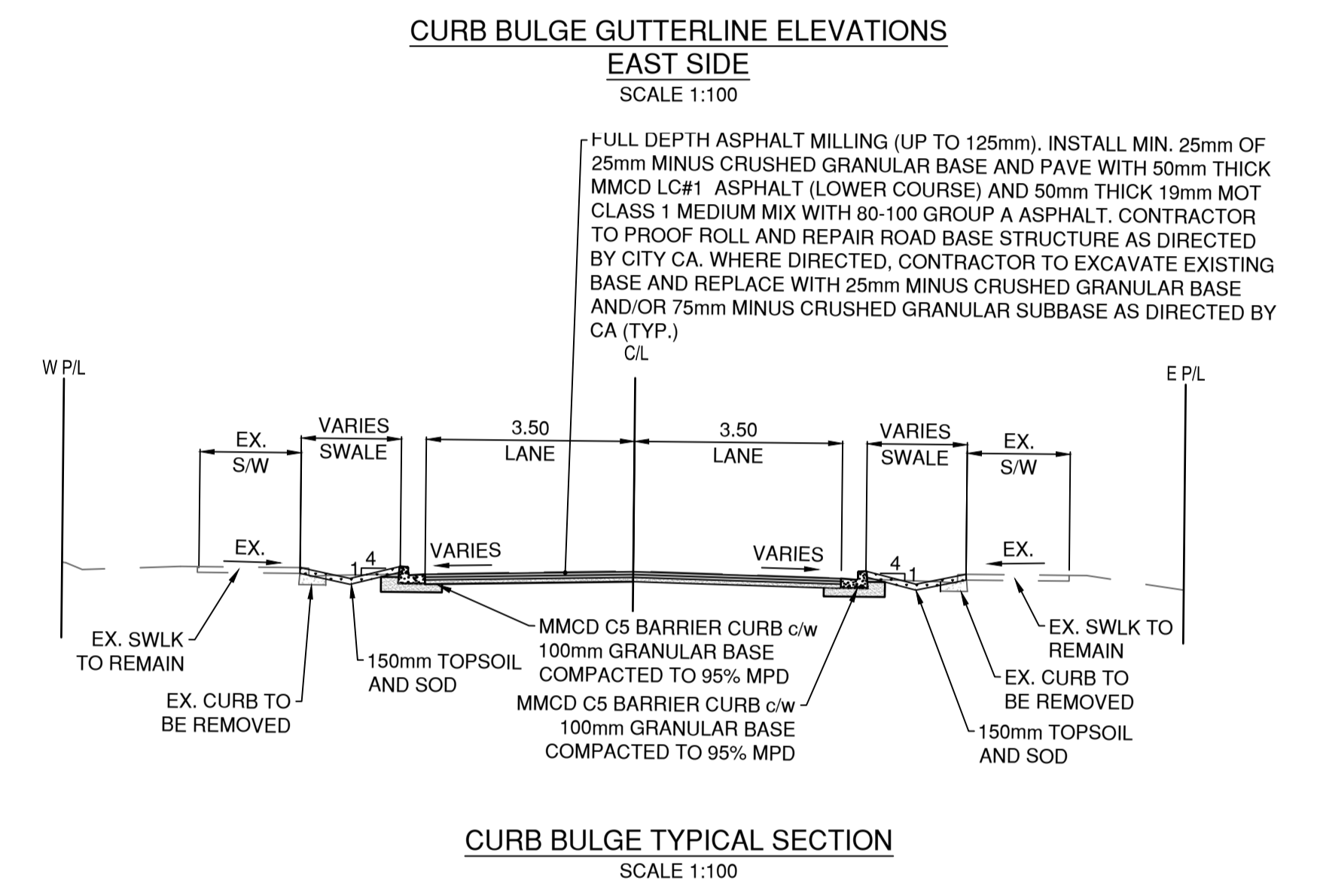
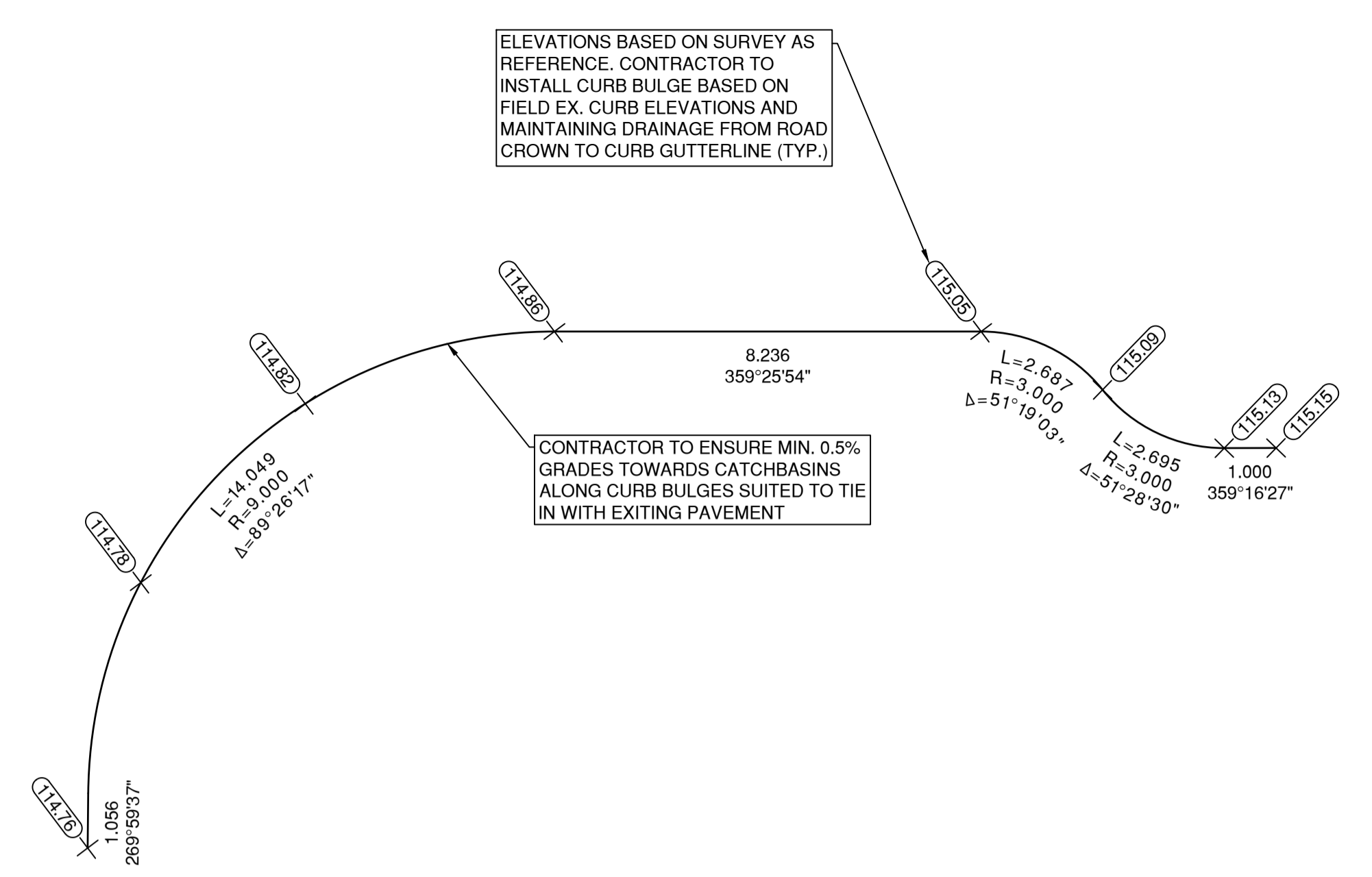
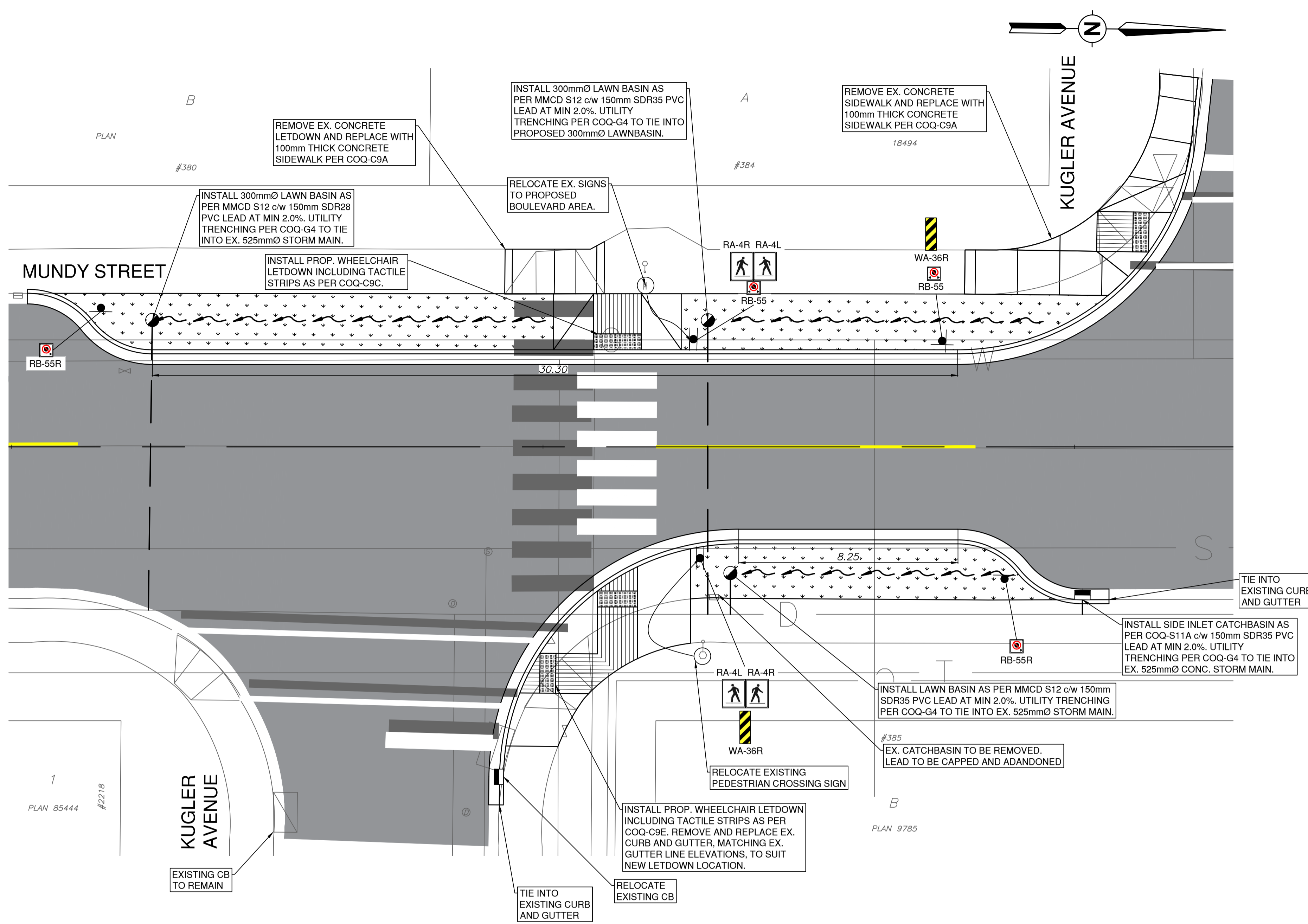
Engineers and Geoscientists of British Columbia

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SURVEY CONTROL:
 1. THE SURVEYS ON A LOCAL GROUND COORDINATE SYSTEM.
 2. TO CONVERT TO NAD83 U.T.M. COORDINATES, MULTIPLY BY THE COMBINED SCALE FACTOR OF 0.999987 ABOUT POINT 0.0.0.
 3. GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S. OBSERVATION OF CONTROL TAG6591. ELEVATION = 114.74m. LOCATED AT NORTHEAST CORNER OF MUNDY STREET AND KUGLER AVE. DATUM IS CANADIAN VERTICAL DATUM OF 1928 CGVD28 (GVD 2016)

PERMIT TO PRACTICE
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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	Catch basin, top inlet	Streetlight, davit	Vegetation Shrub
Sanitary force main	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions	Eng.
C	2024.12.16	JN	ISSUED FOR TENDER	HL
B	2024.12.13	JN	100% DESIGN SUBMISSION	HL
A	2024.11.08	JN	70% DESIGN SUBMISSION	HL

Design by	Date	
JN	November 8, 2024	
Drawn by	Date	
MWJ	November 8, 2024	
Checked by	Date	
HL	November 8, 2024	
Approved by	Date	
MH	November 8, 2024	

PRELIMINARY NOT FOR CONSTRUCTION
 THIS DRAWING HAS NOT BEEN APPROVED AND MAY CONTAIN ERRORS AND OMISSIONS.

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

Scale horz. 1:100
 Scale vert. N/A
 Sheet 09 of 09
 Eng. Project No. 2111-06500-00

Project **MUNDY STREET ROAD REHABILITATION**
DAWES HILL ROAD TO AUSTIN AVENUE
 Description **MUNDY STREET**
 MUNDY STREET AT KUGLER AVENUE INTERSECTION
 File: 06500-C0-100_INT