



APDR - PHASE 1

43 AVENUE MULTI-USE PATH

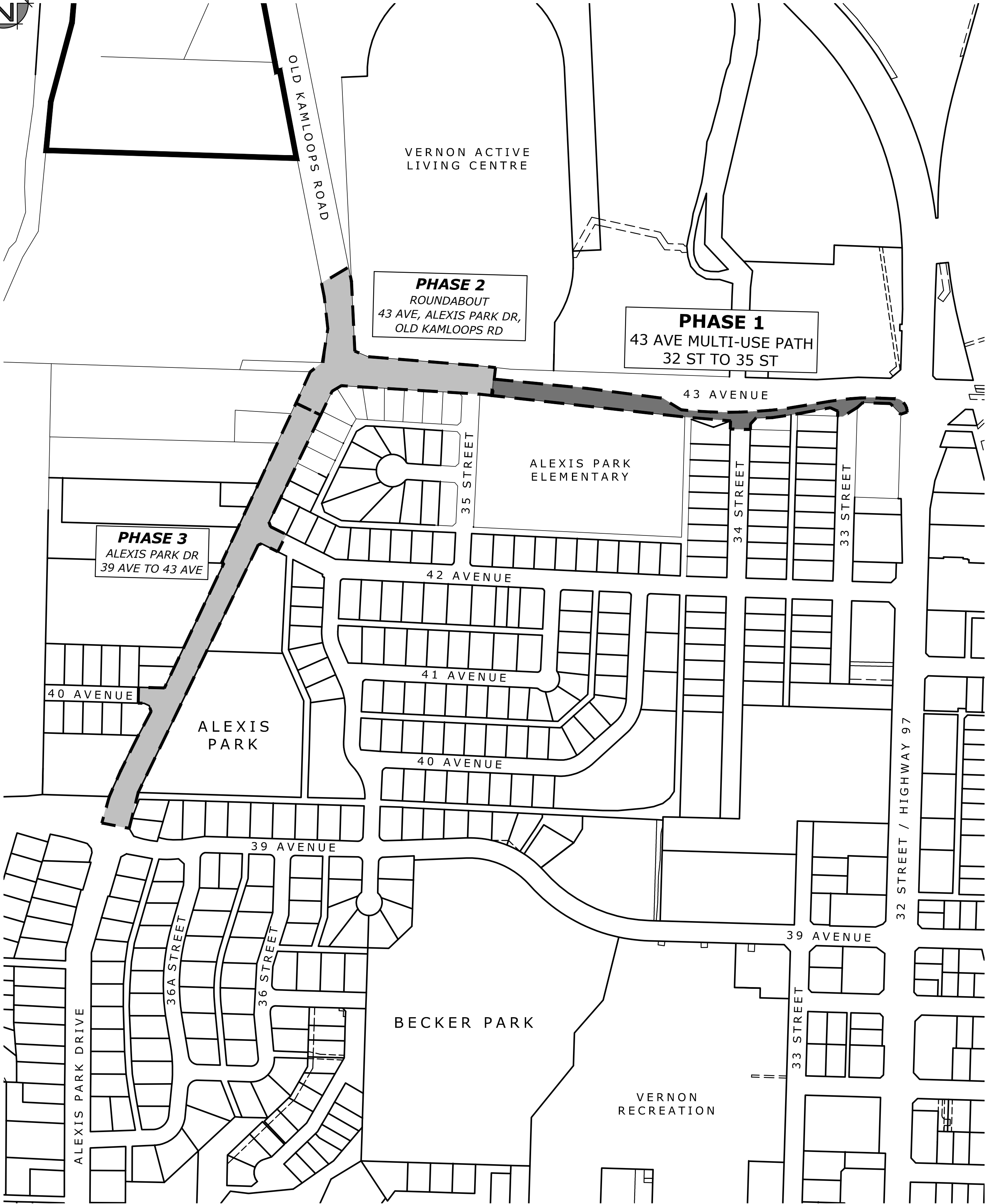
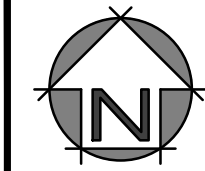
32 ST TO 35 ST

ISSUED FOR RFP

25-48-INF



3710B 28th Street, Vernon, BC, V1T 9X2 Ph: (250) 503-1023 Fax: (250) 503-1024



VICINITY MAP
SCALE: 1:2500

GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH THE CITY OF VERNON AND GVV STANDARD SPECIFICATIONS AND DRAWINGS UNLESS OTHERWISE NOTED.
- WHEN A CONFLICT BETWEEN THE SPECIFICATIONS ARISES, THE MOST STRINGENT SHALL APPLY.
- OBTAIN A PERMIT TO CONSTRUCT WORKS ON A MUNICIPAL RIGHT OF WAY FROM THE CITY OF VERNON ENGINEERING DEPARTMENT 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
- CONTRACTOR TO LOCATE ANY AND ALL EXISTING UTILITIES PER LATEST WORKSAFE BC, CITY OF VERNON, GVV, AND/OR UTILITY PROVIDER GUIDELINES AND REGULATIONS.
- LOCATION AND OFFSETS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE COMPILED FROM THE MOST RECENT INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DAMAGE TO AN EXISTING UTILITY AS A RESULT OF CONSTRUCTION WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- EXPOSE ALL EXISTING SERVICES AT CONNECTION AND CROSSING POINTS 48 HOURS PRIOR TO STARTING CONSTRUCTION ON ANY SUCH SERVICES. ADVISE ENGINEER OF ANY CONFLICTS.
- EXPOSE ALL UTILITY TIE-INS PRIOR TO INSTALLATION OF PIPEWORKS.
- DO NOT START ANY BACKFILL OPERATION UNTIL THE WORKS HAVE BEEN INSPECTED BY THE ENGINEER.
- AFTER CONSTRUCTION, RESTORE WORK AREAS AND ALL EXISTING FEATURES TO THEIR ORIGINAL CONDITION OR BETTER.
- MAINTAIN LOCAL VEHICULAR AND PEDESTRIAN ACCESS THROUGH CONSTRUCTION AREA DURING CONSTRUCTION, AS PER THE TRAFFIC REFERENCE PLAN.
- ADJUST ALL PROPOSED AND EXISTING APPURTENANCES TO MEET THE FINISHED GRADES.
- ENSURE THAT ALL EXISTING SERVICES REMAIN USABLE DURING CONSTRUCTION.
- REMOVE EXISTING ASPHALT CONSISTENT WITH THE LIMITS OF CONSTRUCTION SHOWN ON THE DRAWINGS AND AS NECESSARY TO COMPLETE THE WORK.
- OFFSETS SHOWN ARE FOR REFERENCE ONLY. DIGITAL LAYOUT WILL BE PROVIDED AT TIME OF CONSTRUCTION.
- REMOVE AND REINSTALL EXISTING SIGNAGE AS PER THE LATEST MUTCD STANDARD SPECIFICATIONS.

STORM SEWER

- CATCH BASIN LEAD EXTENSIONS TO BE 200Ø PVC SDR 35 @ MINIMUM 1.0%.

HYDRO, TELEPHONES, CABLE, STREETLIGHTING AND GAS

- COMPLETE "BC ONE CALL" AT 1-800-474-6886 AND CONTACT ANY OTHER APPLICABLE UTILITY A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.

DRAWING INDEX:

No.	DESCRIPTION
C000	COVER SHEET
C001	VICINITY PLAN, GENERAL NOTES & DRAWING INDEX
C100	OVERALL PLAN
C101	PAVEMENT MARKINGS & SIGNAGE - 35 ST TO 34 ST
C102	PAVEMENT MARKINGS & SIGNAGE - 34 ST TO 32 ST
C103	REMOVALS PLAN - 35 ST TO 34 ST
C104	REMOVALS PLAN - 34 ST TO 32 ST
C200	ROADWORKS PLAN & PROFILE - STA. 10+000 TO 10+135
C201	ROADWORKS PLAN & PROFILE - STA. 10+135 TO 10+270
C202	ROADWORKS PLAN & PROFILE - 34 ST TO 32 ST
C300	UTILITIES PLANS - 35 ST TO 34 ST
C301	UTILITIES PLANS - 34 ST TO 32 ST
C500	TYPICAL SECTIONS & DETAILS
C501	PLANTING PLAN
C600	TRAFFIC MANAGEMENT REFERENCE PLAN
E-01	TRAFFIC SIGNAL MODIFICATION - 43 AVE AND ARENA ACCESS
IR-100	IRRIGATION PLAN

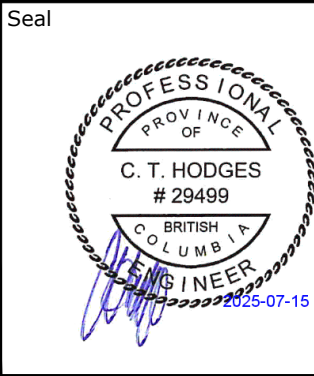
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B	2025-JUL-14	CFB		ISSUED FOR RFP	
A	2025-JUN-04	CFB		CONCEPT DESIGN	
Rev.	Date	By		Description	



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Fax: (250) 503-1024



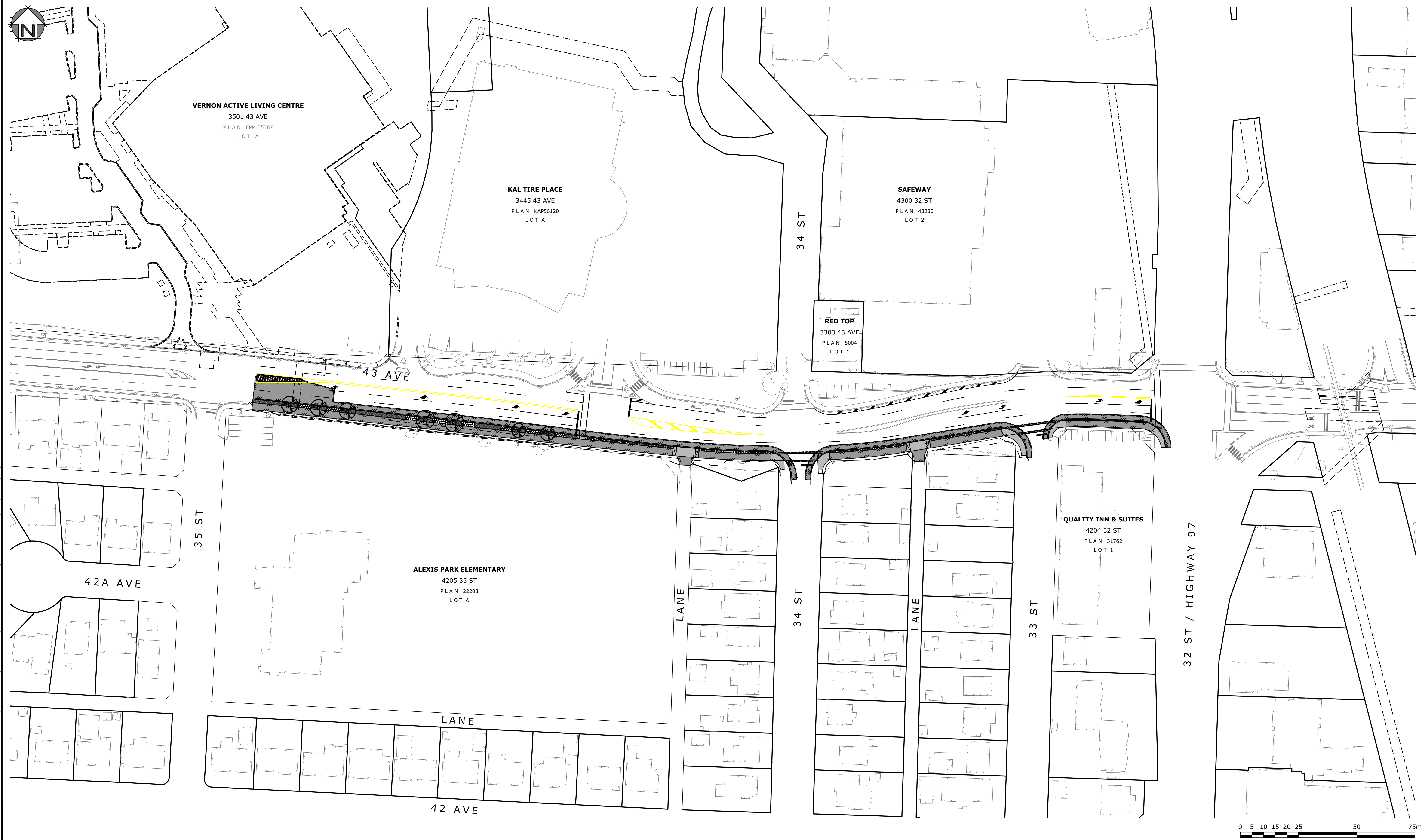
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Drawn	CFB
Checked	CH



CITY OF VERNON & RDNO
43 AVENUE MULTI-USE PATH
VICINITY PLAN, GENERAL NOTES
& DRAWING INDEX

Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	1 OF 14
Drawing No.	C001
Rev.	B

ISSUED FOR RFP



ISSUED FOR RFP



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Rev.	Date	By	Description
B	2025-JUL-14	CFB	ISSUED FOR RFP
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LEGEND:	(EXISTING SYMBOLS SHOWN GREY/SOLID)
	- EDGE OF ASPHALT
	- EDGE OF GRAVEL
	- FENCING
	- BUILDING
	- TOP OF BANK
	- BOTTOM OF BANK
	- DITCH
	- TREELINE
	- SANITARY
	- STORM DRAIN
	- WATER
	- GAS
	- HYDRO/TEL
	- GUY WIRE
	- ANCHOR POLE
	- HYDRO/TEL POLE
	- POLE w/ TRANSFORMER
	- HYDRO TUB/VAULT
	- TEL TUB/VAULT
	- SHAW CABLE TUB/VAULT
	- JUNCTION BOX
	- SERVICE BOX
	- KIOSK
	- LOW POWER TRANSFORMER
	- TRAFFIC SIGNAL
	- STREET LIGHT
	- CAP
	- INSPECTION CHAMBER
	- SANITARY MANHOLE
	- DRY WELL
	- CATCH BASIN MANHOLE
	- DRAINAGE INVERT
	- HEADWALL
	- AIR VALVE
	- WATER VALVE
	- CURB STOP
	- FIRE HYDRANT
	- BLOW-OFF
	- REDUCER
	- COUPLER
	- PROPERTY PIN
	- HUB
	- MONUMENT
	- BOREHOLE
	- SIGN
	- TREE

EGBC PERMIT TO PRACTICE No. 1001446

MONAGHAN
ENGINEERING & CONSULTING LTD.

3710B 28th Street,
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Ph: (250) 503-1023
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Seal

PROFESSIONAL
ENGINEER
C. T. HODGES
29499
BRITISH COLUMBIA
2025-07-15

Scale	1:750
Date	MAR 2025
Designed	CH/CFB
Drawn	CFB
Checked	CH

CITY OF VERNON

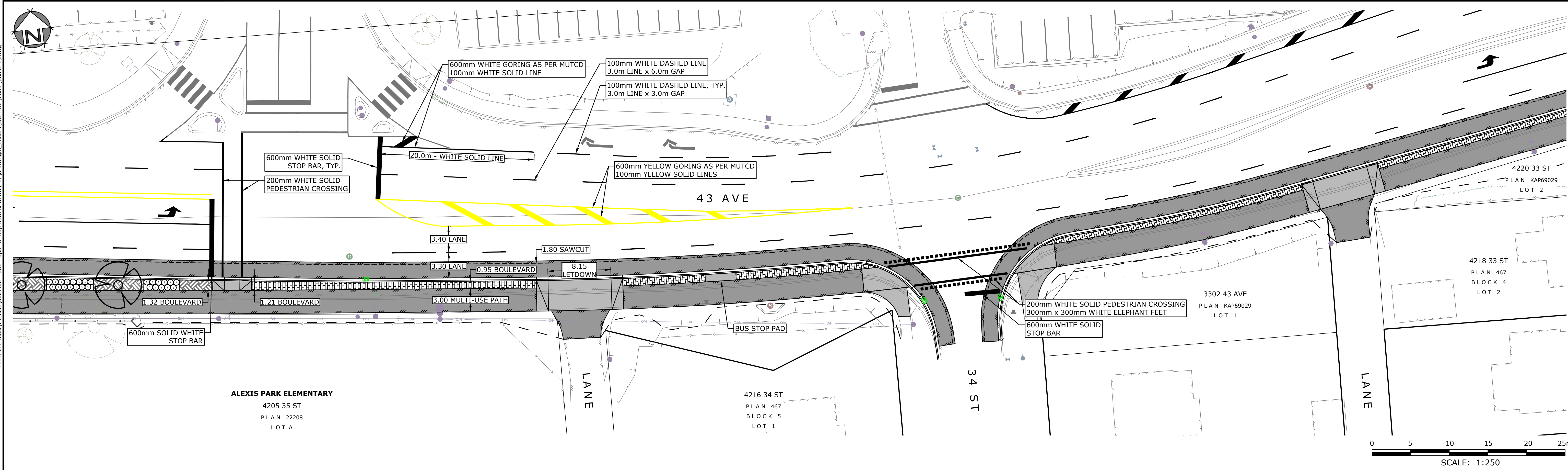
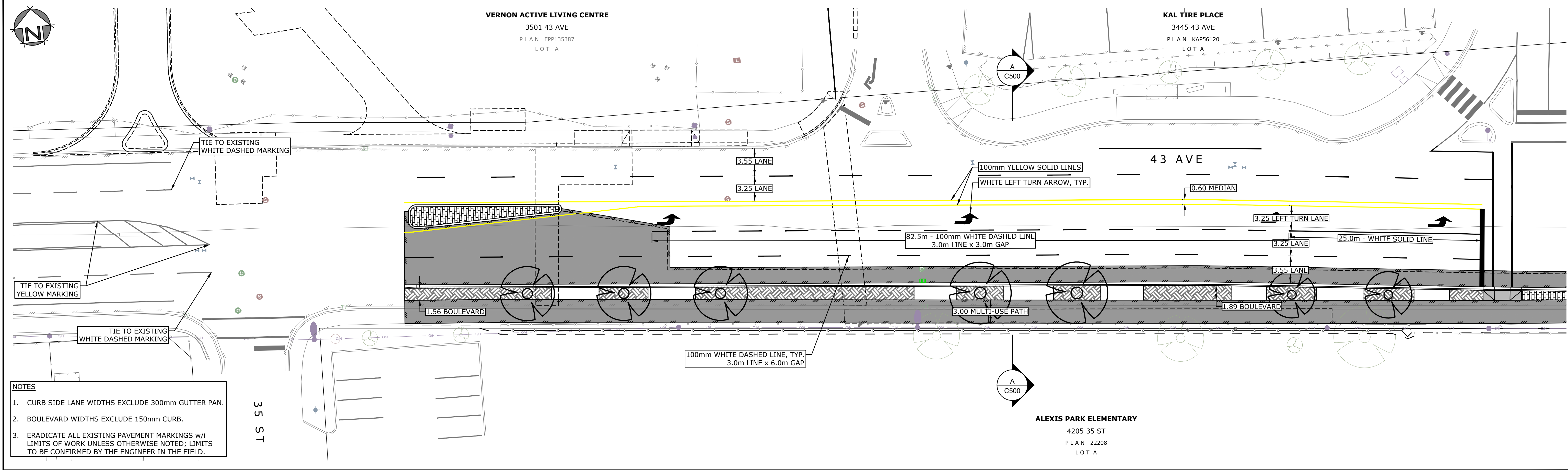
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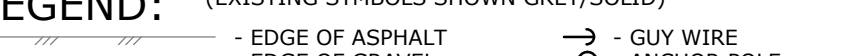
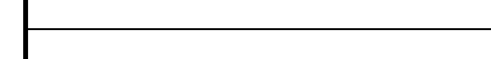
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43 AVENUE MULTI-USE PATH

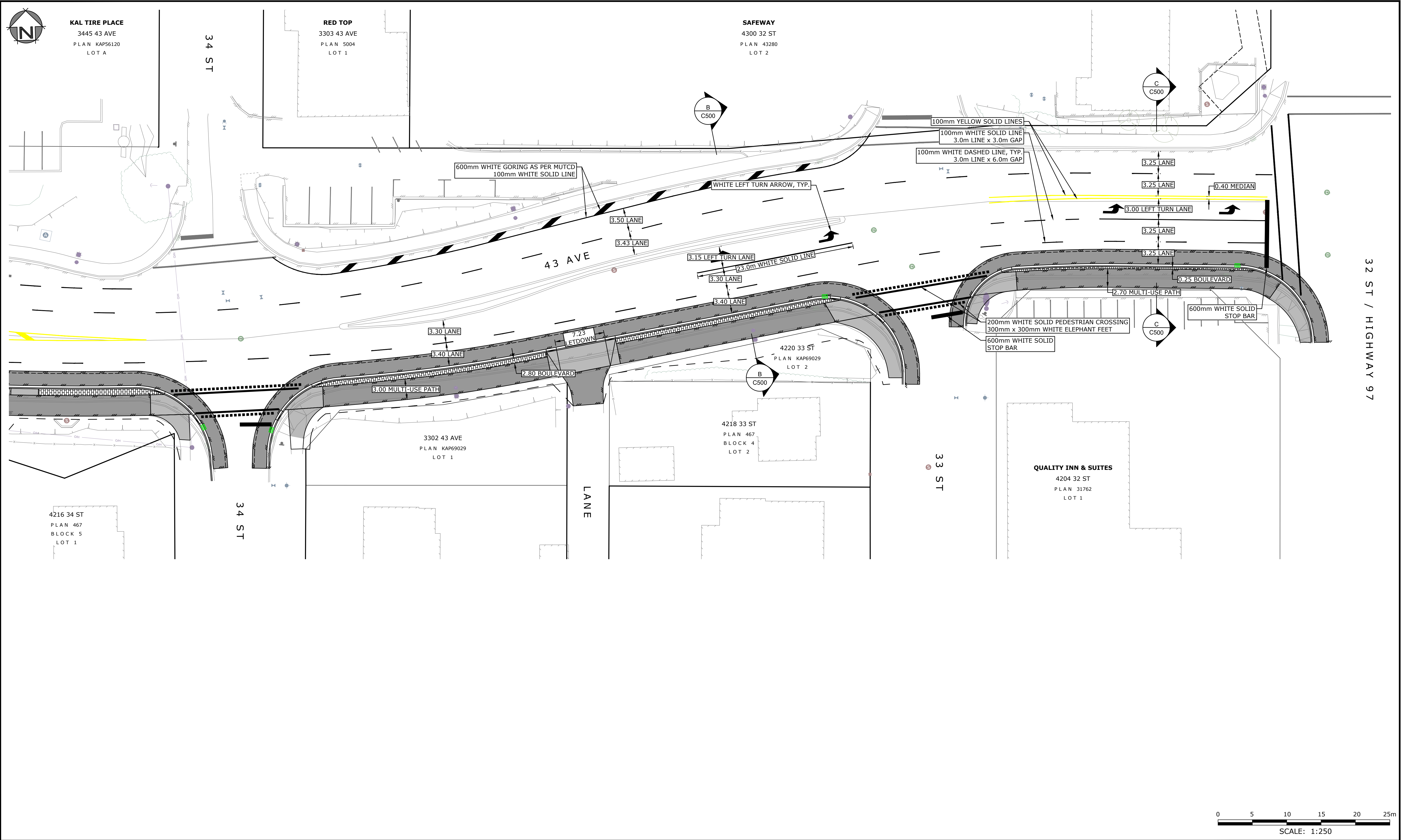
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Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	2 OF 14
Drawing No.	C100
Rev.	B



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Rev.	Date	By	Description

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	- DRAINAGE MANHOLE
	- DRY WELL
	- CATCHBASIN MANHOLE
	- CATCHBASIN
	- DRAINAGE INVERT
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	- REDUCER
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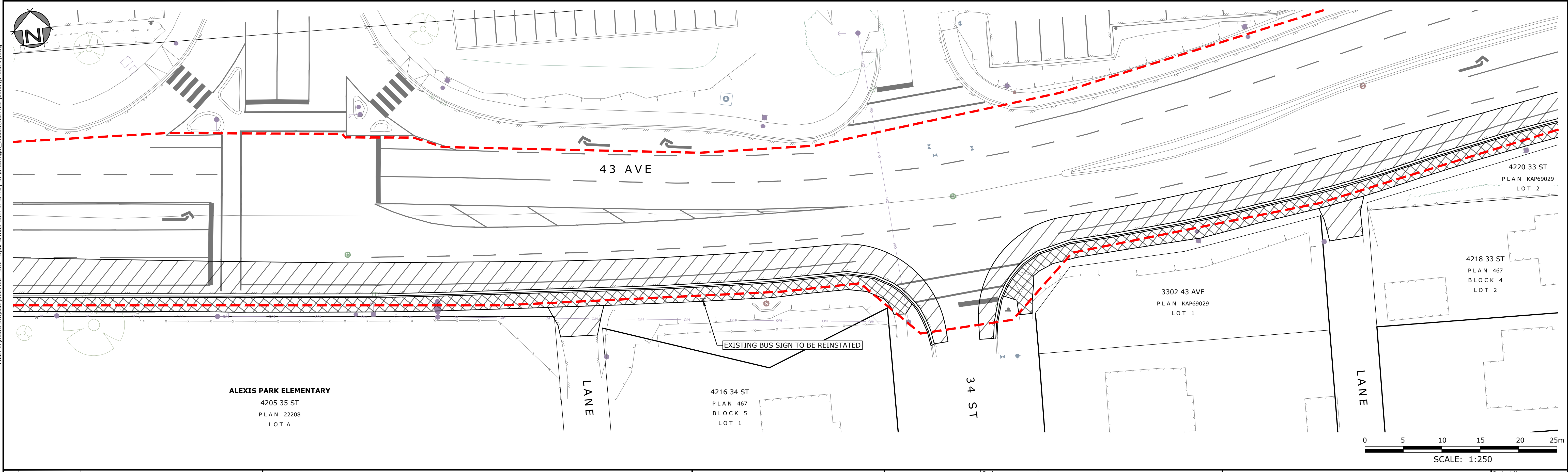
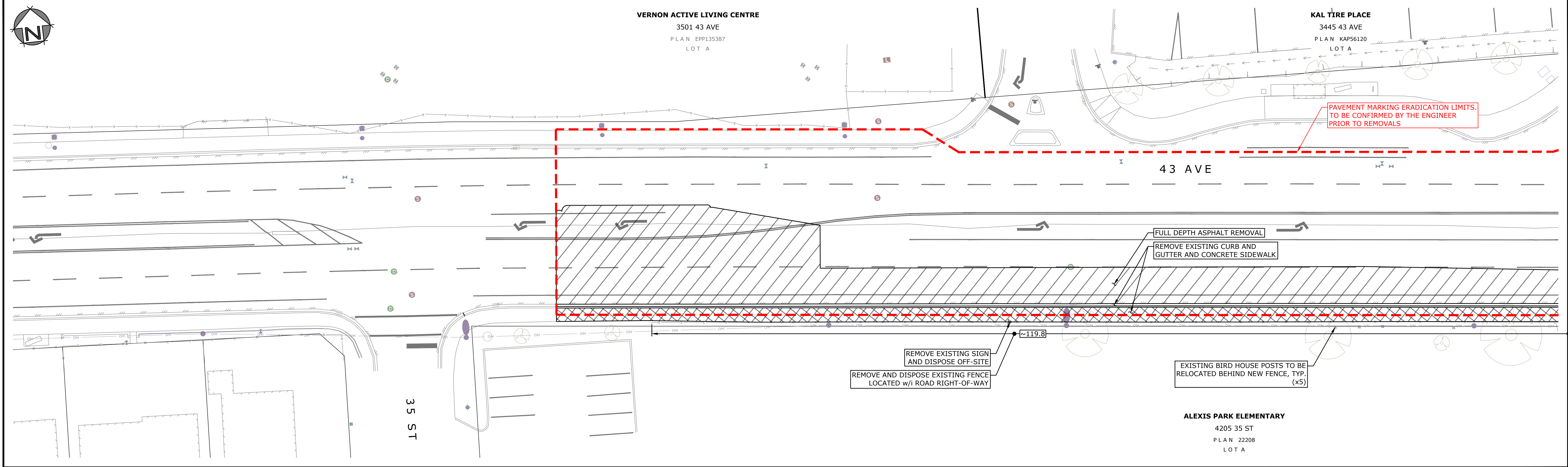
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Drawn	CFB
Checked	CH

CITY OF
Vernon

REGIONAL
DISTRICT
NORTH
OKANAGAN

CITY OF VERNON & RDNO		Project No.	3027.02
43 AVENUE MULTI-USE PATH		Client File No.	25-48-INF
PAVEMENT MARKINGS & SIGNAGE		Sheet No.	4 OF 14
34 ST TO 32 ST		Drawing No.	C102
		Rev.	B



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ENGINEER

Scale	1:250
Date	MAR 2025
Designed	CH/CFB
Drawn	CFB
Checked	CH

CITY OF VERNON

REGIONAL DISTRICT NORTH OKANAGAN

CITY OF VERNON & RDNO

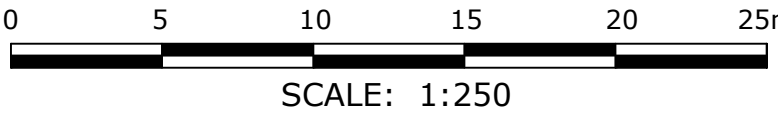
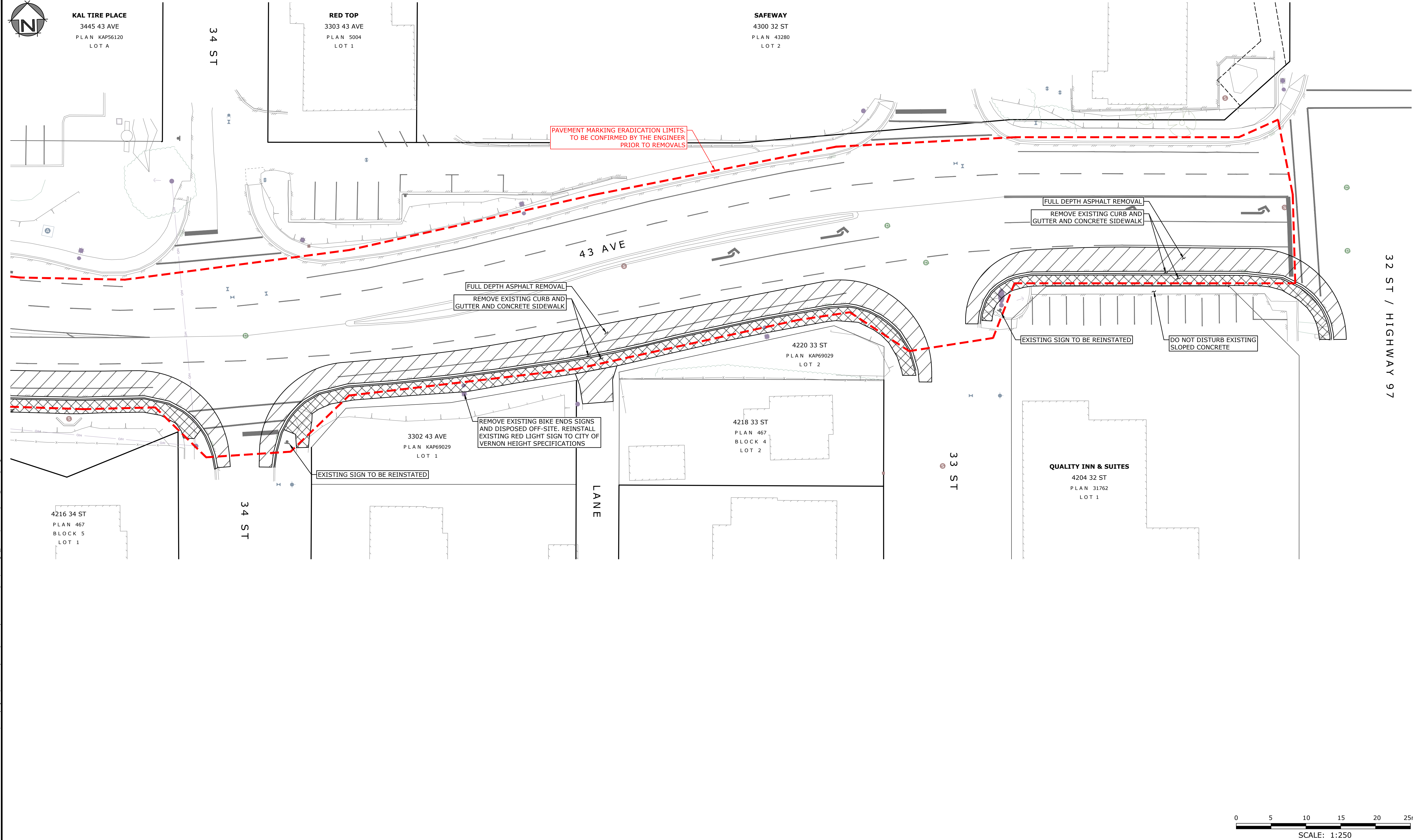
43 AVENUE MULTI-USE PATH

REMOVALS PLAN

35 ST TO 34 ST

Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	5 OF 14
Drawing No.	C103
Rev.	A

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Rev. Date By Description			
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LEGEND: (EXISTING SYMBOLS SHOWN GREY/SOLID)	
	- EDGE OF ASPHALT
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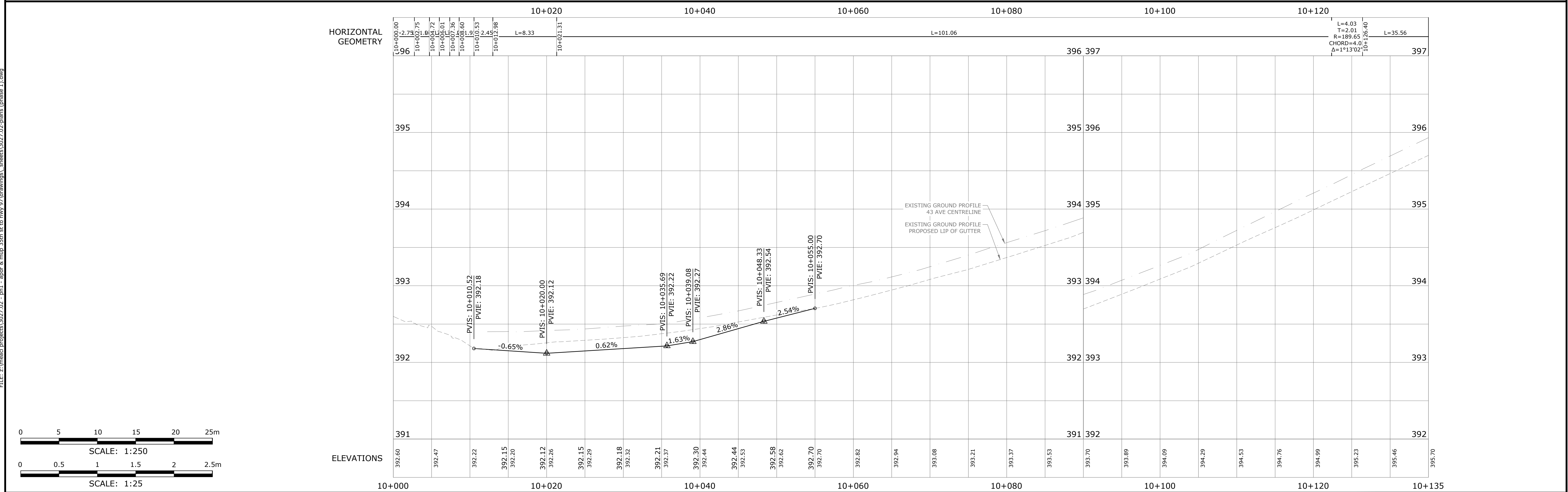
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C. T. HODGES
29499
BRITISH COLUMBIA
ENGINEER
2025-07-15

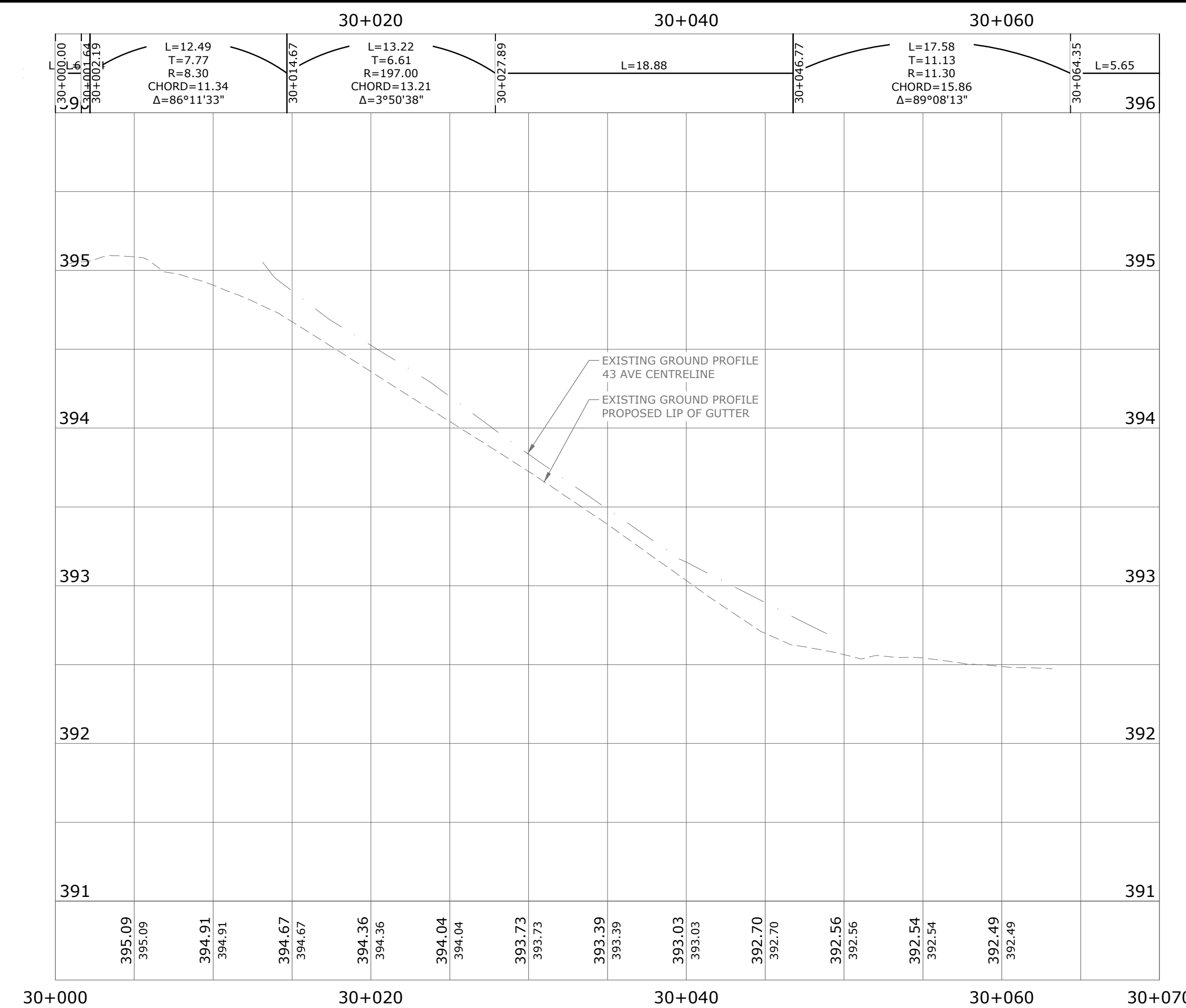
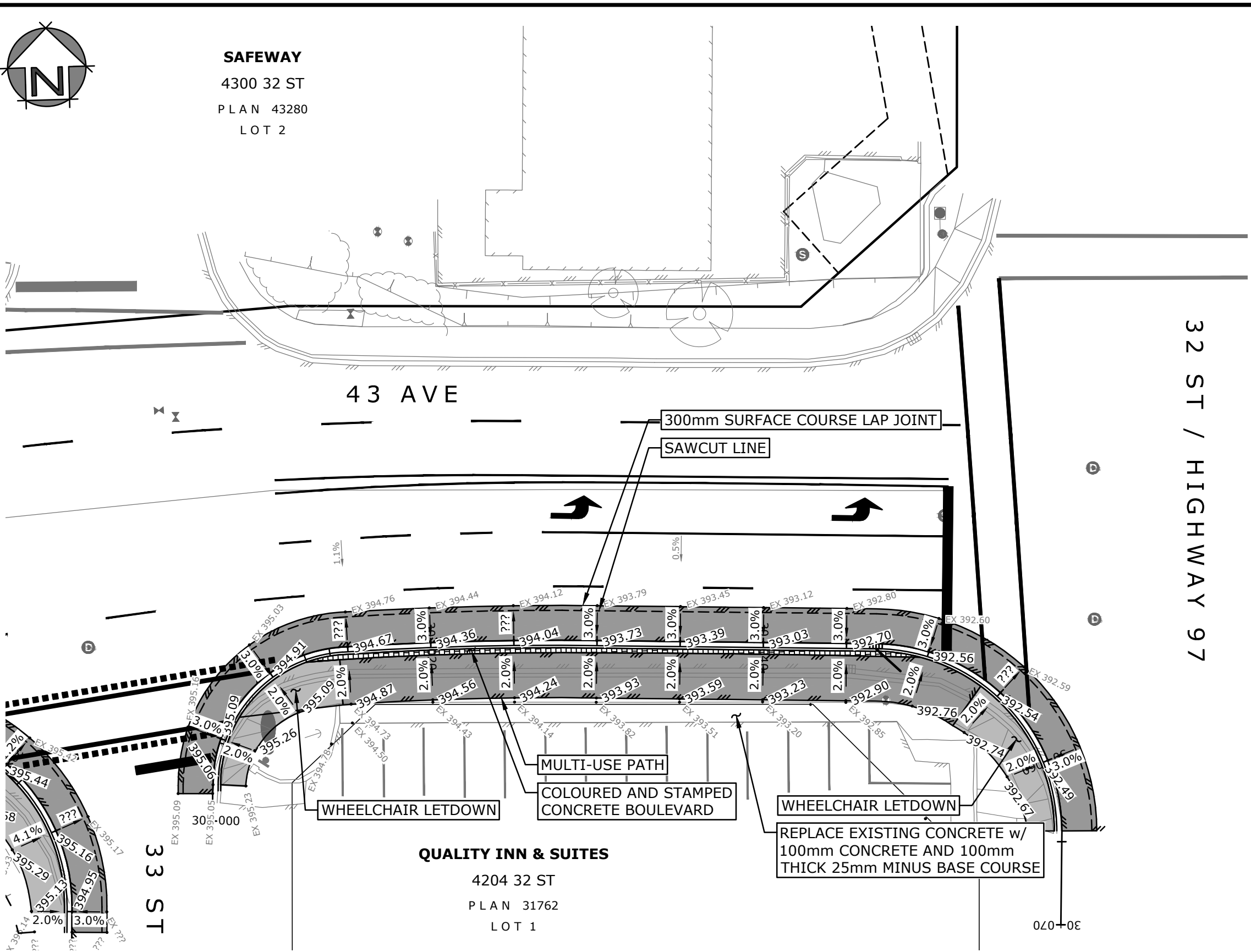
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CITY OF VERNON

REGIONAL DISTRICT NORTH OKANAGAN

CITY OF VERNON & RDNO		Project No.	3027.02
43 AVENUE MULTI-USE PATH		Client File No.	25-48-INF
REMOVALS PLAN		Sheet No.	6 OF 14
34 ST TO 32 ST		Drawing No.	C104
		Rev.	A

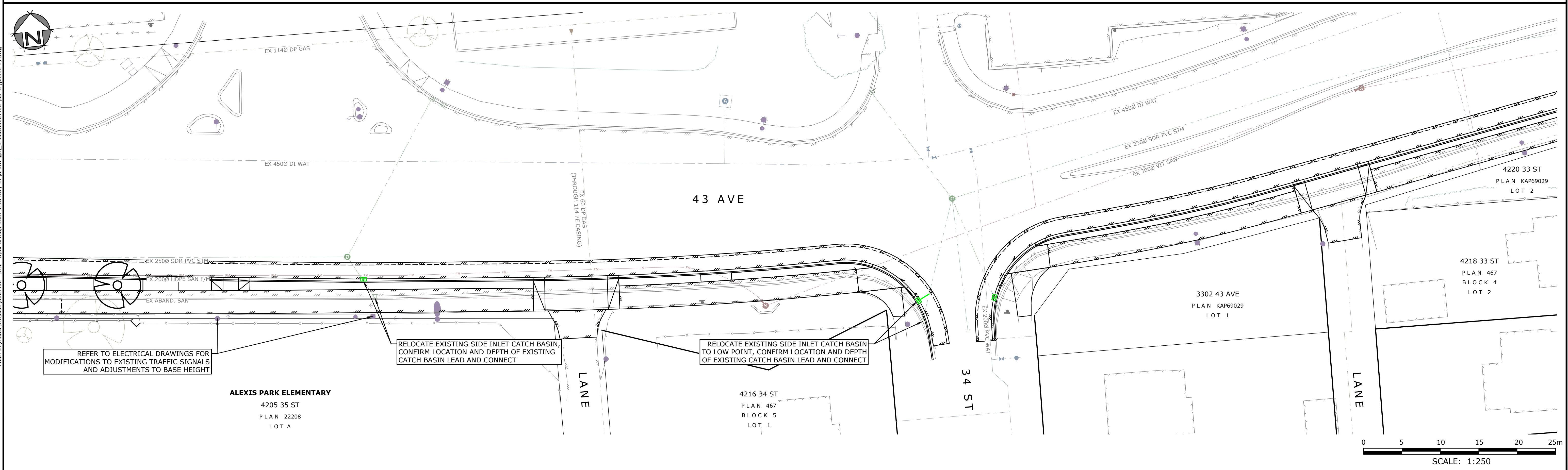
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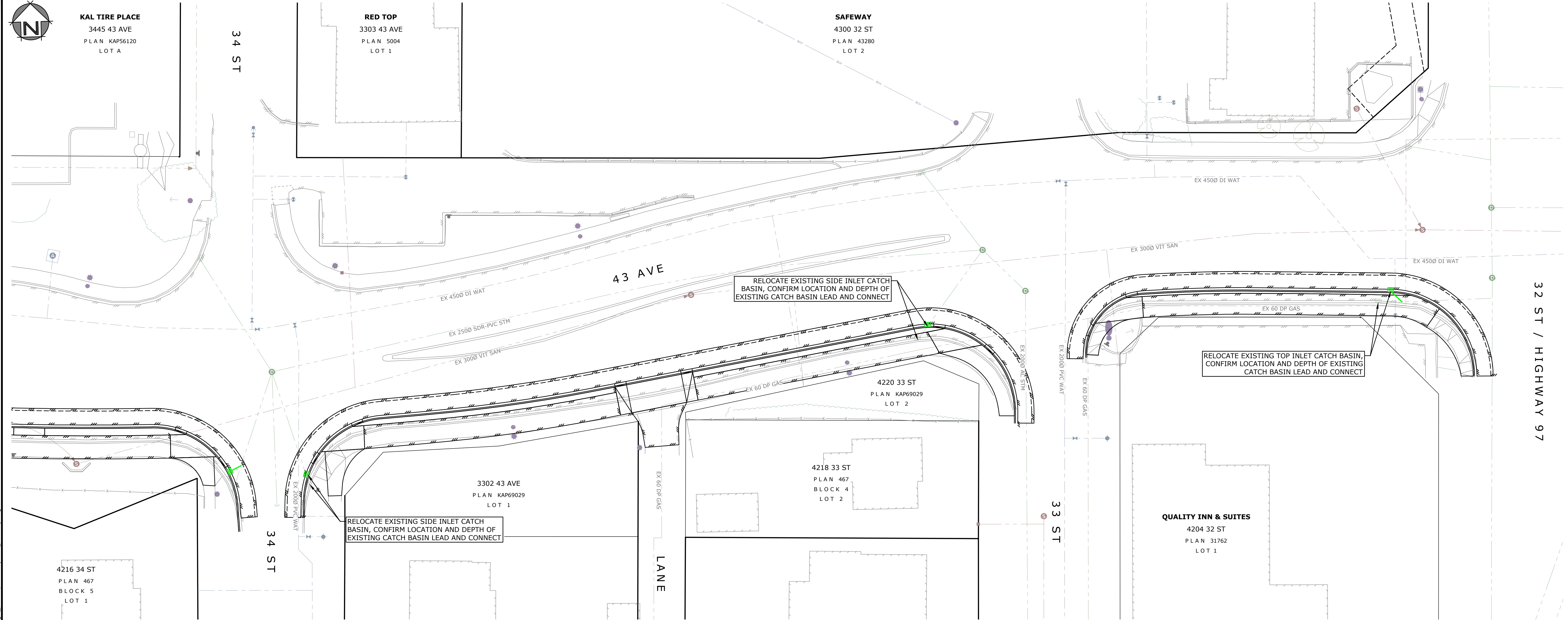


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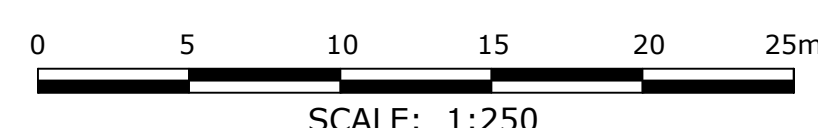
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ISSUED FOR RFP



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Rev.	Date	By	Description
A	2025-JUL-14	CFB	ISSUED FOR RFP

LEGEND: (EXISTING SYMBOLS SHOWN GREY/SOLID)	
	- EDGE OF ASPHALT
	- EDGE OF GRAVEL
	- FENCING LINE
	- BUILDING
	- TOP OF BANK
	- BOTTOM OF BANK
	- DITCH
	- TREELINE
	- SANITARY STORM DRAIN
	- WATER
	- GAS
	- HYDRO/TEL
	- GUY WIRE
	- ANCHOR POLE
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Seal

PROFESSIONAL
PROVINCE OF
C. T. HODGES
29499
BRITISH COLUMBIA
ENGINEER
2025-07-15

Scale	1:250
Date	MAR 2025
Designed	CH/CFB
Drawn	CFB
Checked	CH

CITY OF VERNON

REGIONAL DISTRICT NORTH OKANAGAN

CITY OF VERNON & RDNO	
43 AVENUE MULTI-USE PATH UTILITIES PLANS 34 ST TO 32 ST	
Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	11 OF 14
Drawing No.	C301
Rev.	A

ROAD STRUCTURES

43 AVENUE CURB/ROAD REINSTATEMENT

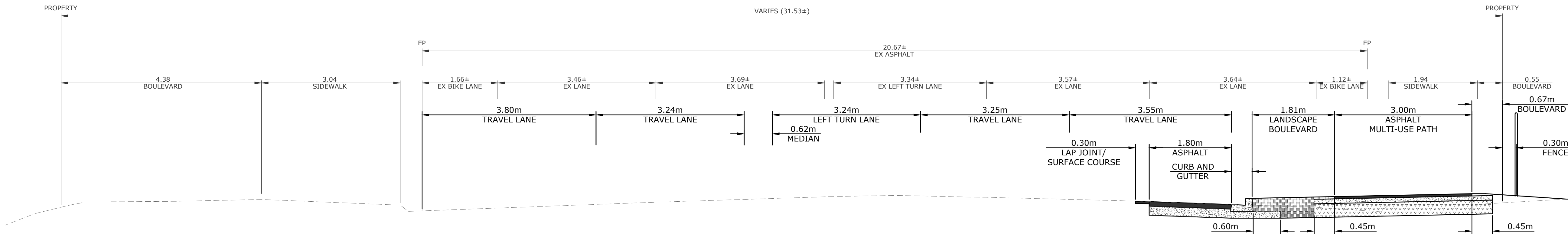
- 100mm ASPHALT (2 LIFTS)
- 200mm BASE COURSE
- APPROVED SUBGRADE

MULTI-USE PATH

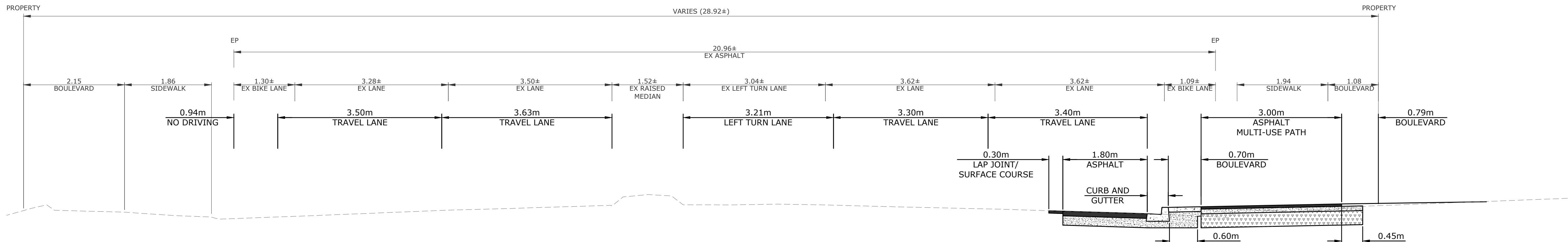
- 50mm ASPHALT (1 LIFT)
- 100mm BASE COURSE
- 300mm SUBBASE COURSE

SIDEWALK/BOULEVARD

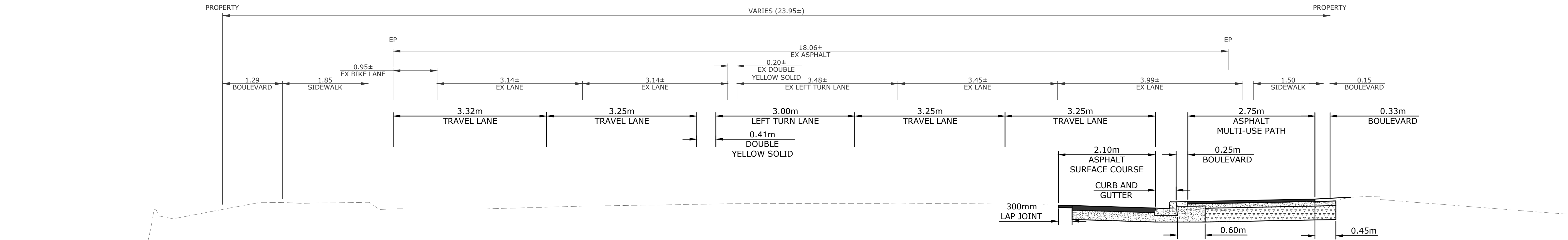
- 100mm THICK CONCRETE (150mm THICK AT DRIVEWAYS; 200mm THICK AT LANES)
- 100mm BASE COURSE
- 200mm SUBBASE COURSE (OPTIONAL WORK)



SECTION A-A
SCALE: N.T.S.



SECTION B-B
SCALE: N.T.S.



SECTION C-C
SCALE: N.T.S.

USER: caseyb
CTB: mscd-fulblack.ctb
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Rev.	Date	By	Description
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LEGEND: (EXISTING SYMBOLS SHOWN GREY/SOLID)

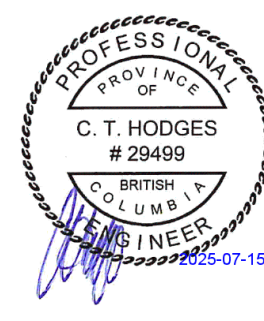
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- EDGE OF GRAVEL
- FENCING
- BUILDING
- BOTTOM OF BANK
- DITCH
- TREELINE
- SANITARY
- STORM DRAIN
- WATER
- GAS
- HYDRO/TEL
- GUY WIRE
- ANCHOR POLE
- HYDRO/TEL POLE
- POLE w/ TRANSFORMER
- HYDRO TUB/VAULT
- TEL TUB/VAULT
- SHAW CABLE TUB/VAULT
- JUNCTION BOX
- SERVICE BOX
- KIOSK
- LOW POWER TRANSFORMER
- TRAFFIC SIGNAL
- STREET LIGHT
- CAP
- INSPECTION CHAMBER
- SANITARY MANHOLE
- DRAINAGE MANHOLE
- DRY WELL
- CATCHBASIN MANHOLE
- CATCHBASIN
- DRAINAGE INVERT
- HEADWALL
- AIR VALVE
- CURB STOP
- FIRE HYDRANT
- BLOW-OFF
- REDUCER
- COUPLER
- PROPERTY PIN
- HUB
- MONUMENT
- BOREHOLE
- SIGN
- TREE

EGBC PERMIT TO PRACTICE No. 1001446



3710B 28th Street, Vernon, BC, V1T 9X2
Ph: (250) 503-1023
Fax: (250) 503-1024

Seal



Scale AS NOTED

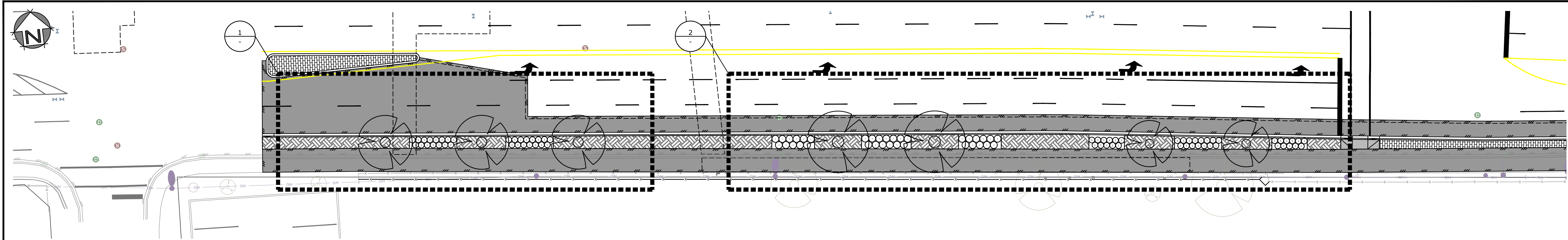
Date MAR 2025
Designed CH/CFB
Drawn CFB
Checked CH



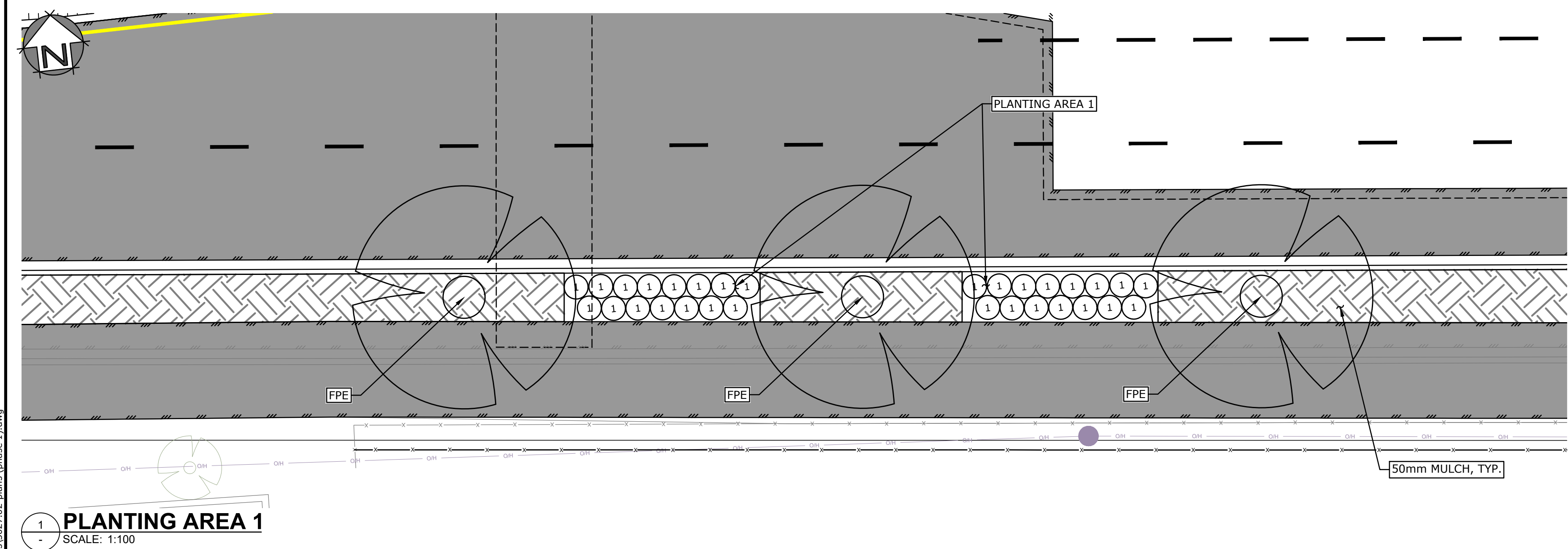
CITY OF VERNON & RDNO

43 AVENUE MULTI-USE PATH
TYPICAL SECTIONS

Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	12 OF 14
Drawing No.	C500
Rev.	A



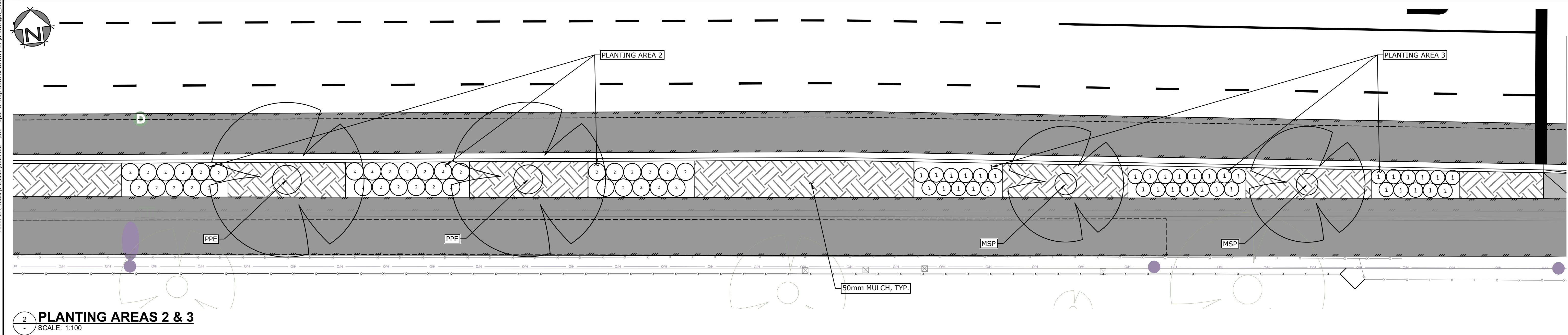
PLANTING PLAN
SCALE: 1:250



PLANT LIST		
ORNAMENTAL GRASSES (1 GALLON)		
ID	NAME	QTY
1	PANICUM VIRGATUM 'ROTSTRAHLBUSCH' (RED SWITCH GRASS)	67
2	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER' (FOERSTER'S FEATHER REED GRASS)	35

- PLANTING NOTES**
- ROOT BARRIER TO BE INSTALLED 6.0m LENGTH ALONG CURB AND PATH SIDES OF TREES (TOTAL 12 LINEAL METRES PER TREE).
 - GROWING MEDIUM TO BE 450mm THICK FOR PLANTING AREAS.
 - GROWING MEDIUM TO BE 1.0 CUBIC METRE PER TREE.
 - NOTIFY THE ENGINEER OF ANY SHALLOW UTILITY CONFLICTS IN ADVANCE OF IRRIGATION INSTALLATION OR PLANTINGS.

TREE LIST		
6cm CALIPER		
ID	NAME	QTY
FPE	FRAXINUS PENNSYLVANICA 'RUGBY' (PRAIRIE SPIRE GREEN ASH)	3
PPE	PARROTIA PERSICA (PERSIAN IRONWOOD)	2
MSP	MALUS 'SPRING SNOW' (SPRING SNOW CRABAPPLE)	2



Rev.	Date	By	Description
A	2025-JUL-14	CFB	ISSUED FOR RFP

LEGEND: (EXISTING SYMBOLS SHOWN GREY/SOLID)	
	EDGE OF ASPHALT
	EDGE OF GRAVEL
	FENCING LINE
	BUILDING
	TOP OF BANK
	BOTTOM OF BANK
	DITCH
	TREELINE
	SANITARY MANHOLE
	STORM DRAIN
	WATER
	GAS
	HYDRO/TEL
	GUY WIRE
	ANCHOR POLE
	HYDRO/TEL POLE
	POLE w/ TRANSFORMER
	TEL TUB/VAULT
	SHAW CABLE TUB/VAULT
	JUNCTION BOX
	SERVICE BOX
	KIOSK
	LOW POWER TRANSFORMER
	TRAFFIC SIGNAL
	STREET LIGHT
	CAP
	INSPECTION CHAMBER
	SANITARY MANHOLE
	DRY WELL
	CATCHBASIN MANHOLE
	CATCHBASIN
	DRAINAGE INVERT
	HEADWALL
	AIR VALVE
	WATER VALVE
	CURB STOP
	FIRE HYDRANT
	BLOW-OFF
	REDUCER
	COUPLER
	PROPERTY PIN
	HUB
	MONUMENT
	BOREHOLE
	SIGN
	TREE

EGBC PERMIT TO PRACTICE No. 1001446

MONAGHAN
ENGINEERING & CONSULTING LTD.

3710B 28th Street,
Vernon, BC, V1T 9X2

Ph: (250) 503-1023
Fax: (250) 503-1024

Seal

PROFESSIONAL
ENGINEER
C. T. HODGES
29499
2025-07-15

Scale	AS NOTED
Date	MAR 2025
Designed	CH/CFB
Drawn	CFB
Checked	CH

CITY OF VERNON

REGIONAL DISTRICT NORTH OKANAGAN

CITY OF VERNON & RDNO

43 AVENUE MULTI-USE PATH

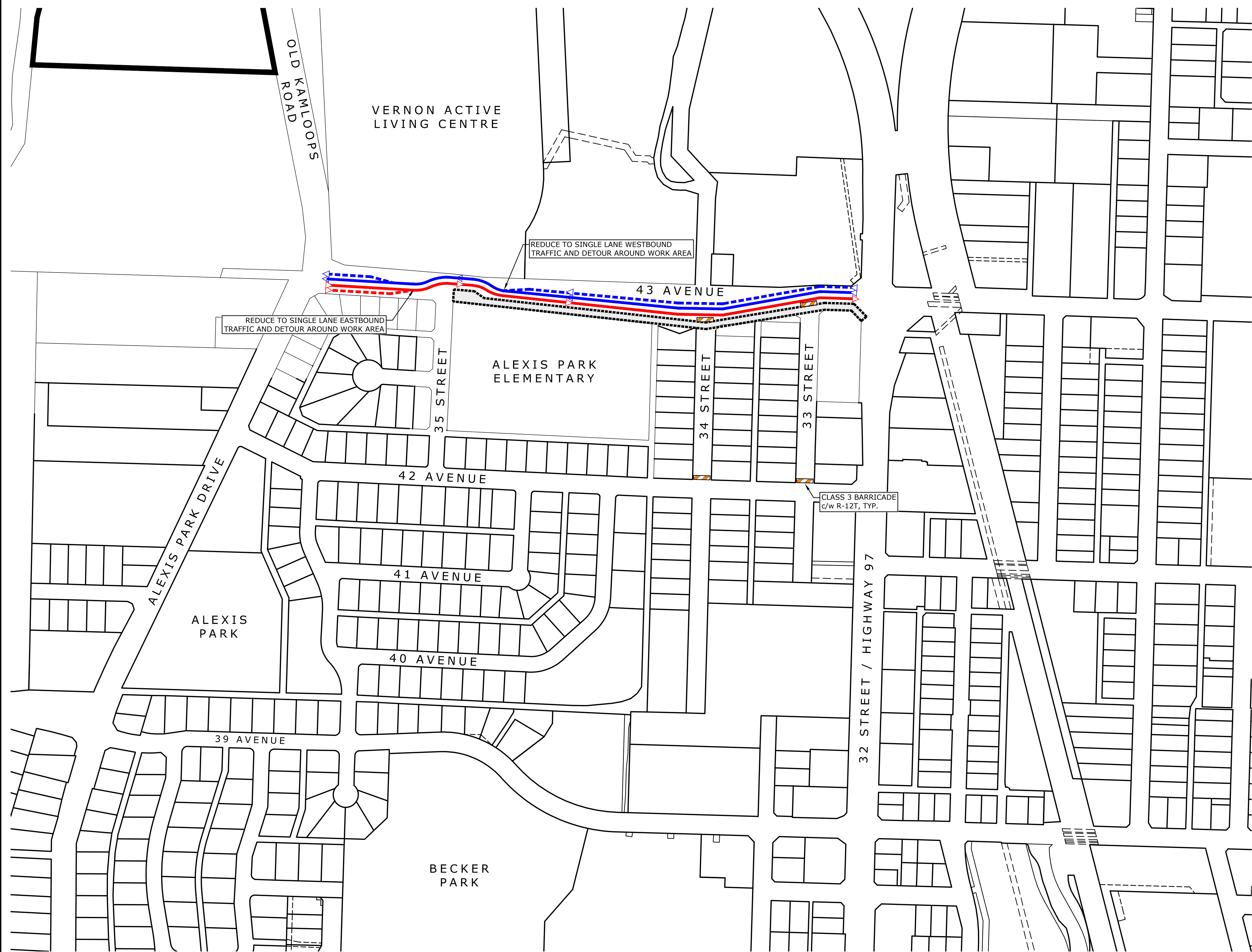
PLANTING PLAN

Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	13 OF 14
Drawing No.	C501
Rev.	A

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ISSUED FOR RFP

USER: caseyp
CTB: mscd-fulblack.ctb
LAYOUT: c600
PLOT: 2025-07-14 5:17 PM
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IMAGES:
FILE: 2:\mead\projects\3027_02 - ph1 - apdr & mup 35th st to hwy 97\drawings\ Sheets\3027_02-plans (phase 1).dwg



NOTES:

1. CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THIS DRAWING AND M.O.T. "TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS." (LOCATIONS SHOWN ARE SCHEMATIC ONLY, FINAL LOCATION CONFIRMED IN FIELD).
2. CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC CONTROL SIGNAGE AND TRAFFIC CONTROL PERSON (TCP's) IN ACCORDANCE WITH THIS DRAWING AND M.O.T. "TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS." FOR WORKS WITHIN CONSTRUCTION AREA.
3. CONTRACTOR TO MAINTAIN ACCESS FOR LOCAL RESIDENTS AND BUSINESSES AT ALL TIMES.

LEGEND:

- GENERAL TRAFFIC DETOUR ROUTE
- CLASS 3 BARRICADE c/w R-12T, SEE DETAIL THIS SHEET
- WORK ZONE



DETOUR MAP
SCALE: 1:2000

LEGEND:

(EXISTING SYMBOLS SHOWN GREY/SOLID)

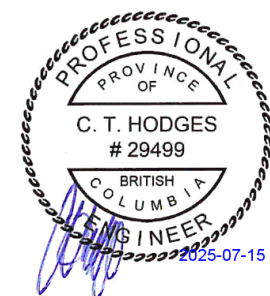
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- EDGE OF GRAVEL
- FENCING
- BUILDING
- TOP OF BANK
- BOTTOM OF BANK
- DITCH
- TREELINE
- SANITARY
- STORM DRAIN
- WATER
- GAS
- HYDRO/TEL
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- ANCHOR POLE
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- SHAW CABLE TUB/VAULT
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- DRAINAGE MANHOLE
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- CATCHBASIN
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EGBC PERMIT TO PRACTICE No. 1001446



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Seal



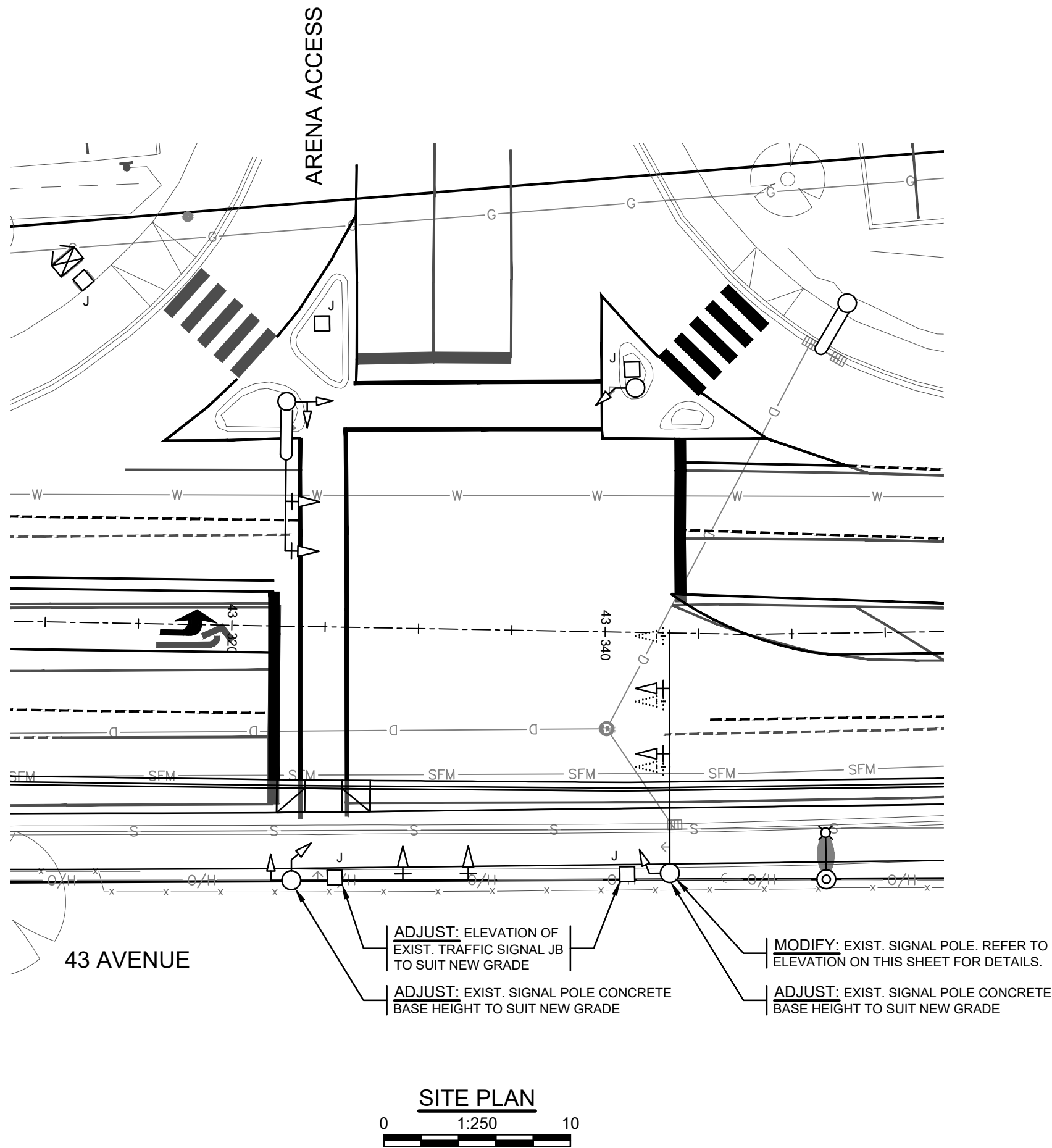
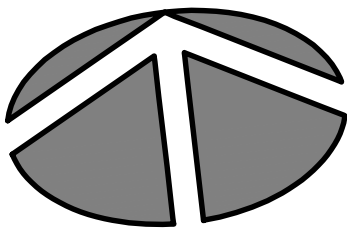
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Date MAR 2025
Designed CH/CFB
Drawn CFB
Checked CH



CITY OF VERNON & RDNO
43 AVENUE MULTI-USE PATH
TRAFFIC MANAGEMENT REFERENCE
PLAN

Project No.	3027.02
Client File No.	25-48-INF
Sheet No.	14 OF 14
Drawing No.	C600
Rev.	A

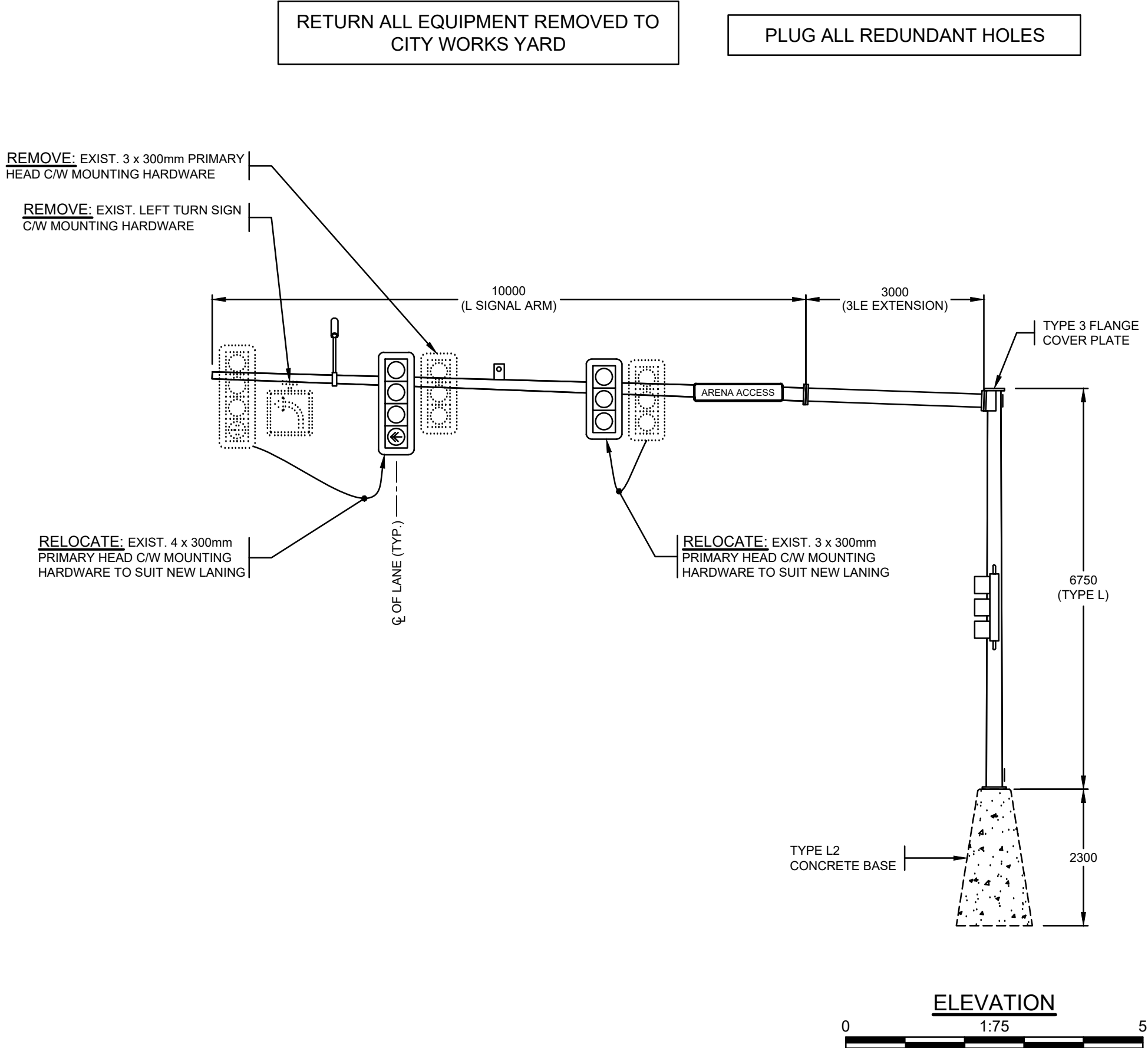


LEGEND

- EXISTING COMBINATION TRAFFIC SIGNAL POLE
- EXISTING TRAFFIC SIGNAL POLE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING TRAFFIC CONTROLLER
- EXISTING DAVIT STREETLIGHT POLE
- EXISTING JUNCTION BOX
- EXISTING BC HYDRO/UTILITY POLE

NOTES

- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 2009 MASTER MUNICIPAL CONSTRUCTION DOCUMENT, SUPPLEMENTAL SPECIFICATIONS ISSUED WITH THIS CONTRACT (IF ANY) AND THESE DRAWINGS.
- ALL COMMON CIRCUIT WIRING SHALL BE TAGGED & TY-RAPPED AS DETAILED IN THE MMCD.
- ALL SIGNAL HEAD SECTIONS SHALL BE WIRED SEPARATELY FROM THE BASE OF THE POLE, INCLUDING A SEPARATE NEUTRAL AND BOND FOR EACH SIGNAL HEAD.
- ALL SINGLE CONDUCTORS SHALL BE STRANDED COPPER, TYPE RW90 INSULATED AND COLOUR CODED.
- CONDUCTORS INSIDE POLES SHALL BE:
 - No. 14 RW90 X-LINK FOR SIGNALS
 - No. 12 RW90 X-LINK FOR ALL OTHER CONDUCTORS
 - No. 8 RW90 BOND
- EXACT POSITION AND ELEVATION OF ALL EQUIPMENT SHALL BE LAYED OUT BY THE CONTRACTOR AND REVIEWED BY CONTRACT ADMINISTRATOR IN THE FIELD BEFORE CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ALL SURVEY LAYOUT.
- ALL SIGNAL HARDWARE TO BE MOUNTED WITH BOLTS. HOLES SHALL BE DRILLED, TAPPED AND SPRAYED WITH GALVANIZING COMPOUND. ALL MOUNTING BOLTS TO BE COATED WITH SILVER GRADE ANTI-SEIZE COMPOUND. THIS INCLUDES BOLTS FOR JUNCTION BOXES.
- DO NOT USE THIS DRAWING FOR PAVEMENT MARKINGS.
- ALL SPLICES BELOW GRADE SHALL BE 3M SCOTCH DIPPED, THEN TAPED.
- COORDINATE POLE MODIFICATION WITH THE CITY TO ADJUST VIDEO DETECTION TO MATCH NEW LANE MARKINGS. WORK TO BE COMPLETED BY CITY FORCES.



ALL EQUIPMENT IS EXISTING

EXISTING TRAFFIC SIGNAL SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. IF TRAFFIC SIGNAL DE-ENERGIZATION IS REQUIRED CONTRACTOR SHALL ENSURE FULL-TIME FLAGGING IS USED DURING ANY TRAFFIC SIGNAL DOWNTIME.

NOT FOR CONSTRUCTION

2025-07-14

REVISION					Monaghan Engineering and Consulting Ltd. 3710B - 28th Street, Vernon, BC V1T 9X2 & (250) 503-1023		
No.	DATE	BY	CHK'D		APDR - PHASE 1 TRAFFIC SIGNAL MODIFICATION 43 AVE AND ARENA ACCESS VERNON, BC		
1	2025-07-14	ER	MC	ISSUED FOR RFP			
PROJECT No.					8497A-25-01 of 01	SHEET No.	E-01
REVISION							