consider right turn on red prohibition due to:
-steep approach grades with high bicycle entry speeds
-potential for rtor vehicles to block wider crosswalk and offset bike lane area while yielding to oncoming traffic
-two-way MUP operation on south side with bikes potentially entering intersection from right side
-opportunity to convert shared lanes to right turn only lanes, incorporate overlap right turn phase with protected left turn phases and mitigate resultant delay

particularly for the NB and EB approaches which conflict with high speed cycling movements

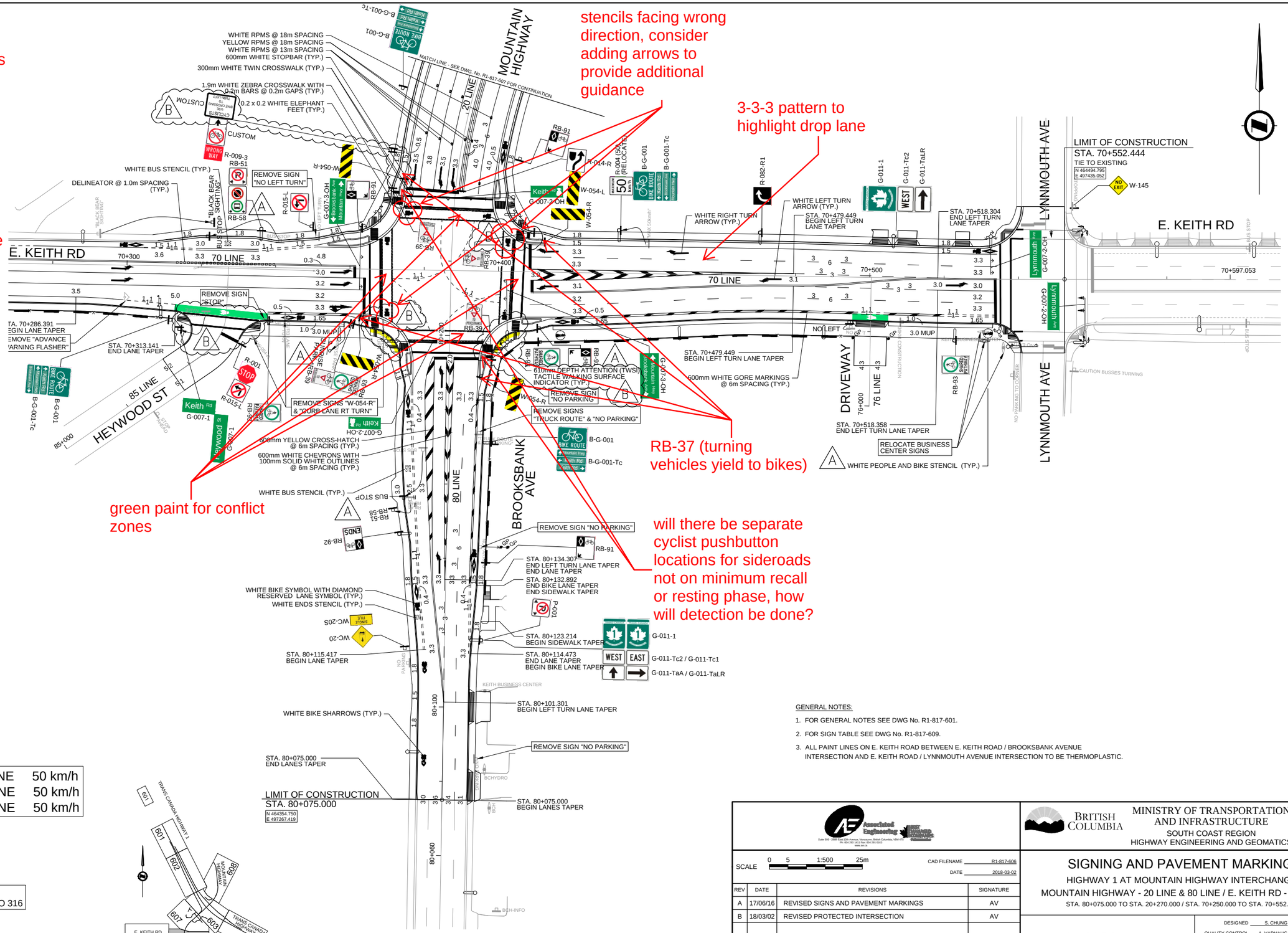
green paint for conflict zones

stencils facing wrong direction, consider adding arrows to provide additional guidance

3-3-3 pattern to highlight drop lane

RB-37 (turning vehicles yield to bikes)

will there be separate cyclist pushbutton locations for sideroads not on minimum recall or resting phase, how will detection be done?



DESIGN VEHICLE HSU

DESIGN SPEED		
	20 LINE	50 km/h
	70 LINE	50 km/h
	80 LINE	50 km/h

FOR PLANS
SEE DWG. No. R1-817-106

FOR PROFILES
SEE DWG. No. R1-817-202 & 205

FOR TYPICAL SECTIONS
SEE DWG. No. R1-817-307 & 312 TO 316

FOR GEOMETRICS AND LANING
SEE DWG. No. R1-817-406

FOR DRAINAGE AND UTILITIES
SEE DWG. No. R1-817-706

GENERAL NOTES:

1. FOR GENERAL NOTES SEE DWG No. R1-817-601.
2. FOR SIGN TABLE SEE DWG No. R1-817-609.
3. ALL PAINT LINES ON E. KEITH ROAD BETWEEN E. KEITH ROAD / BROOKSBANK AVENUE INTERSECTION AND E. KEITH ROAD / LYNNMOUTH AVENUE INTERSECTION TO BE THERMOPLASTIC.

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SCALE 0 5 1:500 25m

CAD FILENAME R1-817-606
DATE 2018-03-02

REV	DATE	REVISIONS	SIGNATURE
A	17/06/16	REVISED SIGNS AND PAVEMENT MARKINGS	AV
B	18/03/02	REVISED PROTECTED INTERSECTION	AV

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
SOUTH COAST REGION
HIGHWAY ENGINEERING AND GEOMATICS

SIGNING AND PAVEMENT MARKINGS

HIGHWAY 1 AT MOUNTAIN HIGHWAY INTERCHANGE
MOUNTAIN HIGHWAY - 20 LINE & 80 LINE / E. KEITH RD - 70 LINE
STA. 80+075.000 TO STA. 20+270.000 / STA. 70+250.000 TO STA. 70+552.444

ANA VARHAUG, P. ENG
SENIOR DESIGNER
DATE 2018-03-02

DESIGNED S. CHUNG DATE 2018-03-02
QUALITY CONTROL A. VARHAUG DATE 2018-03-02
QUALITY ASSURANCE R. GRATZ DATE 2018-03-02
DRAWN H. YIN DATE 2018-03-02

FILE NUMBER	PROJECT NUMBER	REG	DRAWING NUMBER	REV
153CS0851	12573-2016	1	R1-817-606	B

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