

SITE ID: AP-6B-A-SIMMONS RD-A&B	
CATEGORY 1 - SIMMONS RD	50
ANTICIPATED AADT, VEH / DAY	NA
POSTED SPEED, km/h	<1000
ANTICIPATED SADT, VEH / DAY	NA
NOTE: TRAFFIC DATA ESTIMATED BASED ON TAC GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS	
DURATION OF WORK	LONG
RISK ASSESSMENT REVISION	SEE APPENDIX F
OVERLAPPING STRATEGY DOCUMENT	OVERLAPPING WORK ZONE PROCEDURE DOCUMENT (01-13283-SG-M002-GN4-PRO-0001 R0)

DYNAMIC MESSAGE SIGN SEQUENCE*			
CYCLE 1		CYCLE 2	
PHASE 1 (3 SEC)	PHASE 2 (3 SEC)	PHASE 1 (3 SEC)	PHASE 2 (3 SEC)
CONSTRUCTION	PREPARE	CONSTRUCTION	PREPARE
ZONE	TO	ZONE	TO
AHEAD	STOP	AHEAD	STOP

* PDMS MESSAGE MAY BE MODIFIED PER SITE CONDITIONS

SEAL:

PERMIT TO PRACTICE
WATT CONSULTING GROUP LTD

SIGNATURE _____

DATE _____

PERMIT NUMBER: 1001432
 ENGINEERS & GEOSCIENTISTS
 BRITISH COLUMBIA

GENERAL NOTES:

- PIPELINE AND ACCESS LOCATIONS TO BE CONFIRMED ON SITE BY THE CONTRACTOR. TRAFFIC CONTROL MEASURES SHALL BE LAID OUT FROM THE EDGE OF THE ACCESS.
- ALL SIGNS SHALL MEET BC MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (BC MOTI) SPECIFICATIONS FOR STANDARD HIGHWAY SIGN MATERIALS. FABRICATION, SUPPLY, INSTALLATION AND MAINTENANCE CONTRACTOR IS TO NOTIFY THE TRAFFIC ENGINEER IF TRAFFIC CONTROL MEASURES OVERLAP WITH ADJACENT ACCESS MANAGEMENT PLAN.
- CONTRACTOR TO COVER ALL EXISTING CONFLICTING REGULATORY SIGNS WHEN THIS TRAFFIC CONTROL LAYOUT IS IMPLEMENTED AND ACTIVE.
- CONTRACTOR TO PLACE SIGNS SUCH THAT DRIVEWAY ACCESSES AND ROAD CROSSINGS ARE NOT IMPACTED.
- FOR CONSTRUCTION TIMING AND DURATION, REFER TO THE PERMIT OF THIS LOCATION. THE KEY WORK ACTIVITIES WILL INCLUDE, BUT NOT LIMITED TO: EQUIPMENT MOBILIZATION, MATERIAL STAGING, PIPELINE AND PUMP STATION CONSTRUCTION AND EQUIPMENT DEMOBILIZATION. REFER TO THE TRAFFIC AND ACCESS CONTROL MANAGEMENT PLAN (TACMP) FOR GENERAL RESTRICTIONS, SPECIAL EVENTS, AND OTHER CONDITIONS ASSOCIATED WITH EACH SITE.
- THE CONSTRUCTION TRAFFIC WILL COMPOSE OF TRUCKS HAULING EQUIPMENT AND MATERIALS AS WELL AS CREW TRANSPORT TO AND OR TEMPORARY STOPPING WITH AVERAGE DELAY LESS THAN 5 MINUTES, AND NO LONGER THAN 15 MINUTES.
- THE SPEED USED FOR THE TRAFFIC CONTROL MEASURES IS AS PROVIDED BY THE CONTRACTOR. CONTRACTOR TO CONFIRM ON SITE.
- IN TIMES OF MINIMAL ACTIVITY AT ANY PERMANENT ACCESS, ADVANCE WARNING TRUCK TURNING (W-377) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE MINISTRY REPRESENTATIVE ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- IN TIMES OF MINIMAL ACTIVITY AT ANY TEMPORARY ACCESS, ADVANCE CONSTRUCTION TRUCK TURNING (W-172) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE DESIGNATED DISTRICT OFFICIAL ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- CONTRACTOR IS RESPONSIBLE FOR PLACING CONSTRUCTION WARNING SIGNS (C018-1A, C-029) ALONG ALL SIDE STREET APPROACHES WITHIN THE CONSTRUCTION SIGNAGE LIMITS OF THE ACCESS, AS NEEDED.
- THIS TRAFFIC CONTROL SETUP IS TO BE USED DURING DAYLIGHT HOURS, FOR NIGHT OPERATIONS OR TRAFFIC CONTROL SETUP IN THE HOURS OF DARKNESS AS PER THE HOURS OF THE APPROVED PERMIT/H1080. THE FOLLOWING IS REQUIRED TO CONFORM WITH THE MINISTRY'S REQUIREMENTS PER THE BC MOTI TRAFFIC MANAGEMENT MANUAL FOR WORK ON ROADWAYS (TMM):
 - OVERHEAD LIGHTING SHALL BE USED TO ILLUMINATE THE WORK ACTIVITY AREA, EQUIPMENT CROSSINGS, AND OTHER POTENTIALLY HAZARDOUS AREAS.
 - TCP APPAREL AND EQUIPMENT SHALL COMPLY WITH THE TMM REQUIREMENTS INCLUDING ILLUMINATED BATONS.
 - TMM RETROREFLECTIVE STANDARDS AND INSPECTION REQUIREMENTS FOR ALL TRAFFIC CONTROL DEVICES MUST BE MET.
 - ALL THE DETAILS AND PROCEDURES ASSOCIATED WITH AUTOMATED FLAGGER ASSISTED DEVICE (AFAD) SHALL BE COMPLIANT WITH SECTION 407 OF THE TMM 2020.
 - THE AFAD SHALL BE ILLUMINATED WITH OVERHEAD LIGHTING AS PER TMM SECTION 47.2 AND 7.9.
 - CONTRACTOR TO RESTORE THE ROAD TO ORIGINAL CONDITION AFTER PIPELINE CONSTRUCTION.
 - APPENDIX F OF TRAFFIC CONTROL PLAN DETAILS: A) RISK ASSESSMENT, B) AFAD (AUTOMATED FLAGGER ASSISTED DEVICE) AND TCP REQUIREMENTS AND OPERATIONS PER WORKSAFE BC PART 18 (CHSR), C) THE ENVIRONMENTAL TRAFFIC RISKS SPECIFIC TO THIS SITE, SIGN DISTANCE SPECIFIC TO THE SITE (AS DETAILED UNDER DRIVER SIGHT DISTANCES 2.1 SITE FACTORS (RISK ASSESSMENT) AND IN APPENDIX F.
 - THERE WILL NOT BE ANY STORAGE OF MATERIALS WITHIN THE ROADWAY IN THE CLEAR ZONE (UNLESS APPROVED BY EOR) THAT IMPEDE THE SIGHT LINES AT THE ACCESS POINT.
 - WHEN TWO OR MORE ACTIVE ACCESS POINTS ARE IN CLOSE PROXIMITY TO EACH OTHER, THE SIGN SET UP AND TRAFFIC CONTROL WILL COMPLY WITH OVERLAPPING TRAFFIC CONTROL STRATEGY AS PER SECTION 2.3 WORK ZONES IN CLOSE PROXIMITY IDENTIFIED.
 - THE CONTENT OF THIS DRAWING REPRESENTS INFORMATION GATHERED AT THE TIME OF ITS DEVELOPMENT. THE WORK ZONE WILL BE REVIEWED AT THE TIME OF IMPLEMENTATION AND, IF THERE ARE SIGNIFICANT CHANGES OR ITEMS NOT CONSIDERED PROPERLY, THE DRAWING AND THE HAZARD ASSESSMENT WILL BE UPDATED ACCORDINGLY.

LIST OF DRAWINGS	
NO.	TITLE
6B-A-SIMMONS-A&B_P1	TRAFFIC CONTROL LAYOUT PLAN COVER SHEET
6B-A-SIMMONS-A&B_P2	TRAFFIC CONTROL LAYOUT PLAN

TITLE: **TRAFFIC CONTROL LAYOUT AP 6B-A-SIMMONS RD-A&B BPLP TMEP SPREAD 6B**

SCALE:	NOT TO SCALE
DESIGNED:	CHECKED:
PN	PN
DESIGN VELOCITY:	DESIGN SPEED:
50 km/h	50 km/h
PROJECT NO:	DRAWING NO:
3431.B01	6B-A-SIMMONS-A&B_P1
DATE:	REVISION:
FEB 06, 2023	1

REVISIONS

0	ISSUED FOR IMPLEMENTATION	FEB 06-23
1	ISSUED FOR IMPLEMENTATION	FEB 13-23
2		
3		
4		
5		
6		
7		
8		

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STORAGE NOT REQUIRED

Expanded hours of work:
 - Chilliwack: 7AM - 9PM, Monday - Saturday, with the following exceptions:
 - Road closures: 7AM - 9PM, Monday - Saturday, with the following exceptions:
 - Narrow environmental / regulatory windows. A noise exemption permit will be required.
 - Driveways within work zone:
 - Driveways within active work zone (i.e. between AFADs) will have Type 1 Barricade signs placed on both sides of the driveway.
 - Driveways within the work zone will be listed on the AFAD sign.
 - Vehicles exiting driveways will do so with the assistance of the spotter in a safe and controlled manner.
 - Night work:
 - A portable dynamic message sign (PDMS) is required for night work operations on paved roads. The message displayed on the PDMS will alert motorists to the work activities occurring ahead e.g., flagger operation.

LEGEND:

- 4 SIGN MARKER
- AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)
- TCP CONTROL LOCATION
- ACCESS (6B-A-SIMMONS RD-A&B)
- TYPE 1 BARRICADE

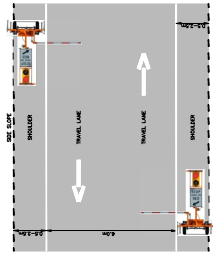
TITLE: TRAFFIC CONTROL LAYOUT
 AP 6B-A-SIMMONS RD-A&B
 BPLP TMEP SPREAD 6B

DESIGNED: DRAWN: CHECKED: APPROVED:
 PN PN KM KM
 DESIGN SPEED: 50 km/h

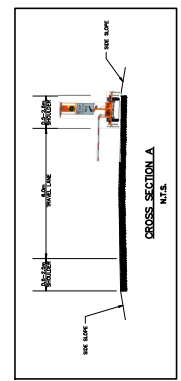
PROJECT NO.: 3431.B01
 DRAWING NO.: 6B-A-SIMMONS-A&B_P2
 DATE: FEB 06, 2023
 REVISION: 1

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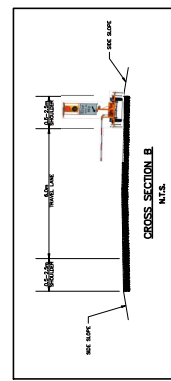
REVISIONS	ISSUED FOR IMPLEMENTATION	DATE
0	ISSUED FOR IMPLEMENTATION	FEB 06-23
1	ISSUED FOR IMPLEMENTATION	FEB 13-23
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NOTE: DIMENSIONS SHOWN ARE SITE SPECIFIC



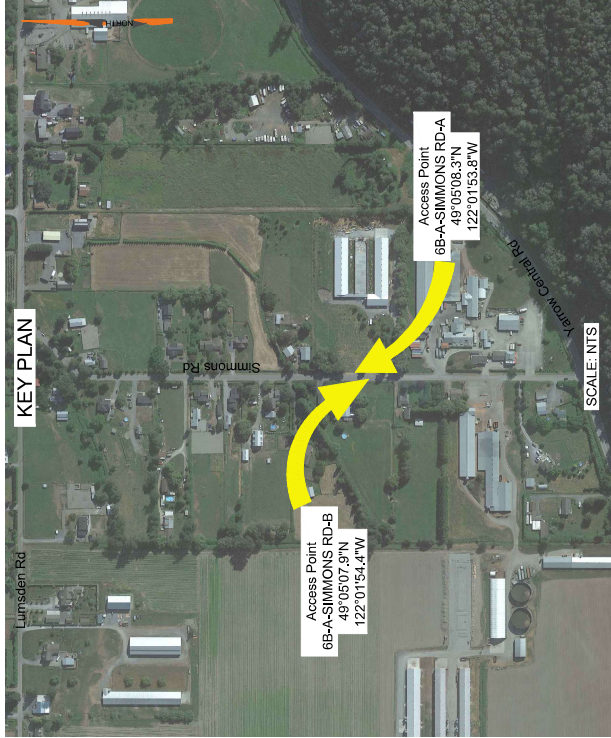
NOTE: DIMENSIONS SHOWN ARE SITE SPECIFIC



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 DATE _____
 PERMIT NUMBER: 1001432
 ENGINEERS & GEOSCIENTISTS
 BRITISH COLUMBIA



SITE ID: AP-6B-A-SIMMONS RD-A&B	
CATEGORY 1 - SIMMONS RD	50
ANTICIPATED AADT, VEH / DAY	NA
POSTED SPEED, km/h	<1000
ANTICIPATED SADT, VEH / DAY	NA
NOTE: TRAFFIC DATA ESTIMATED BASED ON TAC GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS	
TCP NUMBER	01-13283-S6-M002-HS-PLN-0432
DURATION OF WORK	LONG
RISK ASSESSMENT REVISION	SEE APPENDIX F
OVERLAPPING STRATEGY DOCUMENT	OVERLAPPING WORK ZONE PROCEDURE DOCUMENT (01-13283-SG-M002-GN4-PRO-0001 R0)

DYNAMIC MESSAGE SIGN SEQUENCE*			
CYCLE 1		CYCLE 2	
PHASE 1 (3 SEC)	PHASE 2 (3 SEC)	PHASE 1 (3 SEC)	PHASE 2 (3 SEC)
CONSTRUCTION	PREPARE	CONSTRUCTION	PREPARE
TO	TO	ZONE	TO
AHEAD	STOP	AHEAD	STOP

* PDMS MESSAGE MAY BE MODIFIED PER SITE CONDITIONS

SEAL:

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 WATT CONSULTING GROUP LTD
 SIGNATURE _____
 DATE _____
PERMIT NUMBER: 1001432
 ENGINEERS & GEOSCIENTISTS
 BRITISH COLUMBIA

GENERAL NOTES:

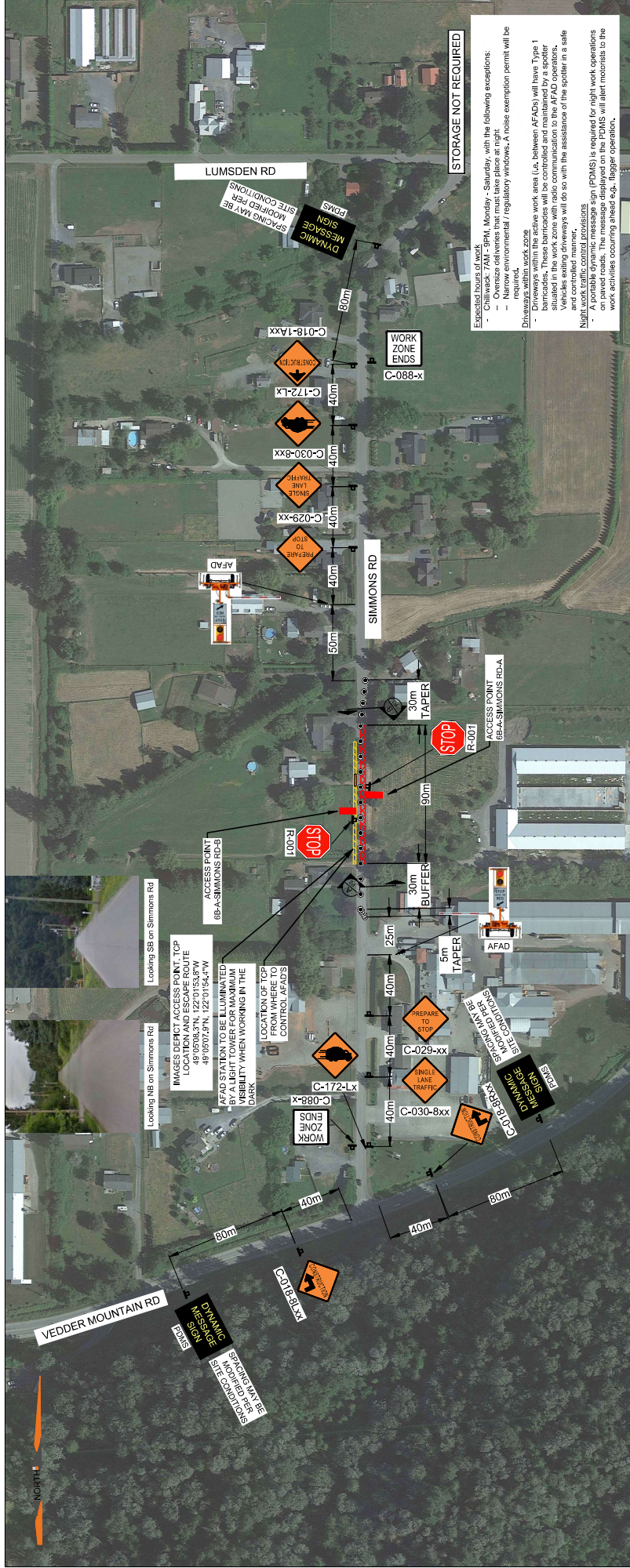
- PIPELINE AND ACCESS LOCATIONS TO BE CONFIRMED ON SITE BY THE CONTRACTOR. TRAFFIC CONTROL MEASURES SHALL BE LAID OUT FROM THE EDGE OF THE ACCESS.
- ALL SIGNS SHALL MEET BC MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (BC MOTI) SPECIFICATIONS FOR STANDARD HIGHWAY SIGN MATERIALS, FABRICATION, SUPPLY, INSTALLATION AND MAINTENANCE. CONTRACTOR IS TO NOTIFY THE TRAFFIC ENGINEER IF TRAFFIC CONTROL MEASURES OVERLAP WITH ADJACENT ACCESS MANAGEMENT PLAN.
- CONTRACTOR TO COVER ALL EXISTING CONFLICTING REGULATORY SIGNS WHEN THIS TRAFFIC CONTROL LAYOUT IS IMPLEMENTED AND ACTIVE.
- CONTRACTOR TO PLACE SIGNS SUCH THAT DRIVEWAY ACCESSES AND ROAD CROSSINGS ARE NOT IMPACTED.
- FOR CONSTRUCTION TIMING AND DURATION, REFER TO THE PERMIT OF THIS LOCATION. THE KEY WORK ACTIVITIES WILL INCLUDE, BUT NOT LIMITED TO: EQUIPMENT MOBILIZATION, MATERIAL STAGING, PIPELINE AND PUMP STATION CONSTRUCTION AND EQUIPMENT DEMOBILIZATION. REFER TO THE TRAFFIC AND ACCESS CONTROL MANAGEMENT PLAN (TACMP) FOR GENERAL RESTRICTIONS, SPECIAL EVENTS, AND OTHER CONDITIONS ASSOCIATED WITH EACH SITE.
- THE CONSTRUCTION TRAFFIC WILL COMPOSE OF TRUCKS HAULING EQUIPMENT AND MATERIALS AS WELL AS CREW TRANSPORT TO AND OR TEMPORARY STOPPING WITH AVERAGE DELAY LESS THAN 5 MINUTES, AND NO LONGER THAN 15 MINUTES.
- THE SPEED USED FOR THE TRAFFIC CONTROL MEASURES IS AS PROVIDED BY THE CONTRACTOR. CONTRACTOR TO CONFIRM ON SITE.
- IN TIMES OF MINIMAL ACTIVITY AT ANY PERMANENT ACCESS, ADVANCE WARNING TRUCK TURNING (W-377) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE MINISTRY REPRESENTATIVE ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- IN TIMES OF MINIMAL ACTIVITY AT ANY TEMPORARY ACCESS, ADVANCE CONSTRUCTION TRUCK TURNING (W-172) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE DESIGNATED DISTRICT OFFICIAL ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- CONTRACTOR IS RESPONSIBLE FOR PLACING CONSTRUCTION WARNING SIGNS (C018-1A, C-029) ALONG ALL SIDE STREET APPROACHES WITHIN THE CONSTRUCTION SIGNAGE LIMITS OF THE ACCESS, AS NEEDED.
- THIS TRAFFIC CONTROL SETUP IS TO BE USED DURING DAYLIGHT HOURS, FOR NIGHT OPERATIONS OR TRAFFIC CONTROL SETUP IN THE HOURS OF DARKNESS AS PER THE HOURS OF THE APPROVED PERMIT/H1080. THE FOLLOWING IS REQUIRED TO CONFORM WITH THE MINISTRY'S REQUIREMENTS PER THE BC MOTI TRAFFIC MANAGEMENT MANUAL FOR WORK ON ROADWAY'S (TMM):
 - OVERHEAD LIGHTING SHALL BE USED TO ILLUMINATE THE WORK ACTIVITY AREA, EQUIPMENT CROSSINGS, AND OTHER POTENTIALLY HAZARDOUS AREAS.
 - TCP APPAREL AND EQUIPMENT SHALL COMPLY WITH THE TMM REQUIREMENTS INCLUDING ILLUMINATED BATONS.
 - TMM RETROREFLECTIVE STANDARDS AND INSPECTION REQUIREMENTS FOR ALL TRAFFIC CONTROL DEVICES MUST BE MET.
 - ALL THE DETAILS AND PROCEDURES ASSOCIATED WITH AUTOMATED FLAGGER ASSISTED DEVICE (AFAD) SHALL BE COMPLIANT WITH SECTION 407 OF THE TMM 2020.
 - THE AFAD SHALL BE ILLUMINATED WITH OVERHEAD LIGHTING AS PER TMM SECTION 47.2 AND 7.9.
 - CONTRACTOR TO RESTORE THE ROAD TO ORIGINAL CONDITION AFTER PIPELINE CONSTRUCTION.
 - APPENDIX F OF TRAFFIC CONTROL PLAN DETAILS: A) RISK ASSESSMENT, B) AFAD (AUTOMATED FLAGGER ASSISTED DEVICE) AND TCP REQUIREMENTS AND OPERATIONS PER WORKSAFE BC PART 18 (OHSR), C) THE ENVIRONMENTAL TRAFFIC RISKS SPECIFIC TO THIS SITE, D) SIGN DISTANCE SPECIFIC TO THE SITE (AS DETAILED UNDER DRIVER SIGHT DISTANCES 2.1 SITE FACTORS (RISK ASSESSMENT) AND IN APPENDIX F.
 - THERE WILL NOT BE ANY STORAGE OF MATERIALS WITHIN THE ROADWAY IN THE CLEAR ZONE (UNLESS APPROVED BY EOR) THAT IMPEDE THE SIGHT LINES AT THE ACCESS POINT.
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 - THE CONTENT OF THIS DRAWING REPRESENTS INFORMATION GATHERED AT THE TIME OF ITS DEVELOPMENT. THE WORK ZONE WILL BE REVIEWED AT THE TIME OF IMPLEMENTATION AND, IF THERE ARE SIGNIFICANT CHANGES OR ITEMS NOT CONSIDERED PROPERLY, THE DRAWING AND THE HAZARD ASSESSMENT WILL BE UPDATED ACCORDINGLY.

LIST OF DRAWINGS	
NO.	TITLE
6B-A-SIMMONS-A&B-SLAT_P1	TRAFFIC CONTROL LAYOUT PLAN COVER SHEET
6B-A-SIMMONS-A&B-SLAT_P2	TRAFFIC CONTROL LAYOUT PLAN
6B-A-SIMMONS-A&B-SLAT_P3	TRAFFIC CONTROL LAYOUT PLAN

TITLE: **TRAFFIC CONTROL LAYOUT**
AP 6B-A-SIMMONS RD-A&B-SLAT
BPLP TMEP SPREAD 6B

REVISIONS	SCALE:	NOT TO SCALE
0 ISSUED FOR IMPLEMENTATION	FEB 07-23	
1 ISSUED FOR IMPLEMENTATION	FEB 10-23	CHECKED: AP/RYD
2 ISSUED FOR IMPLEMENTATION	FEB 13-23	DRAWN: BS
		DESIGN SPEED: 50 km/h
		DESIGN VEHICLE: BS
		PROJECT NO: 3431.B01
		DRAWING NO: 6B-A-SIMMONS-A&B-SLAT_P1
		DATE: FEB 07, 2023
		REVISION: 2

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Expected hours of work:

- Chilliwack: 7AM - 9PM, Monday - Saturday, with the following exceptions:
 - Public holidays
 - Narrow environmental regulatory restrictions. A noise exemption permit will be required.
- Drainways within work zone
 - Drainways within the work area (i.e. between AFADs) will have Type 1 Barricades. These barricades will be spaced and monitored by operators situated in the work zone with radio communication to the AFAD operators. Vehicles exiting drainways will do so with the assistance of the spotter in a safe and controlled manner.
- Note:
 - A portable dynamic message sign (PDMS) is required for night work operations on paved roads. The message displayed on the PDMS will alert motorists to the work activities occurring ahead e.g. flagger operation.

LEGEND:

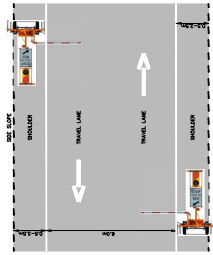
- 4 SIGN MARKER
- AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)
- TCP CONTROL LOCATION
- ACCESS (6B-A-SIMMONS RD-A&B)
- WORKZONE
- TYPE 1 BARRICADE

TITLE: TRAFFIC CONTROL LAYOUT
AP 6B-A-SIMMONS RD-A&B-SLAT
BPLP TMEP SPREAD 6B

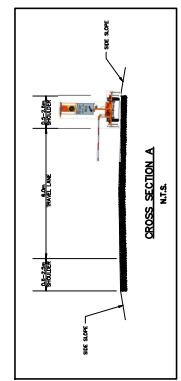
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DESIGNED:	DRAWN:	CHECKED:	APPROVED:
PN	PN	BS	BS
DESIGN SPEED:	50 km/h		
PROJECT NO:	6B-A-SIMMONS-SLAT_P2		
DRAWING NO:	3431.B01		
DATE:	FEB 07, 2023		
REVISION:	2		

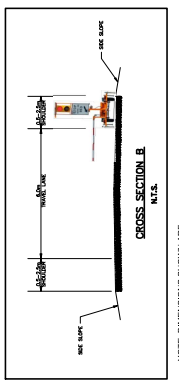
ISSUED FOR IMPLEMENTATION	REVISIONS
FEB 07-23	0
FEB 10-23	1
FEB 13-23	2
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	8



NOTE DIMENSIONS SHOWN ARE SITE SPECIFIC

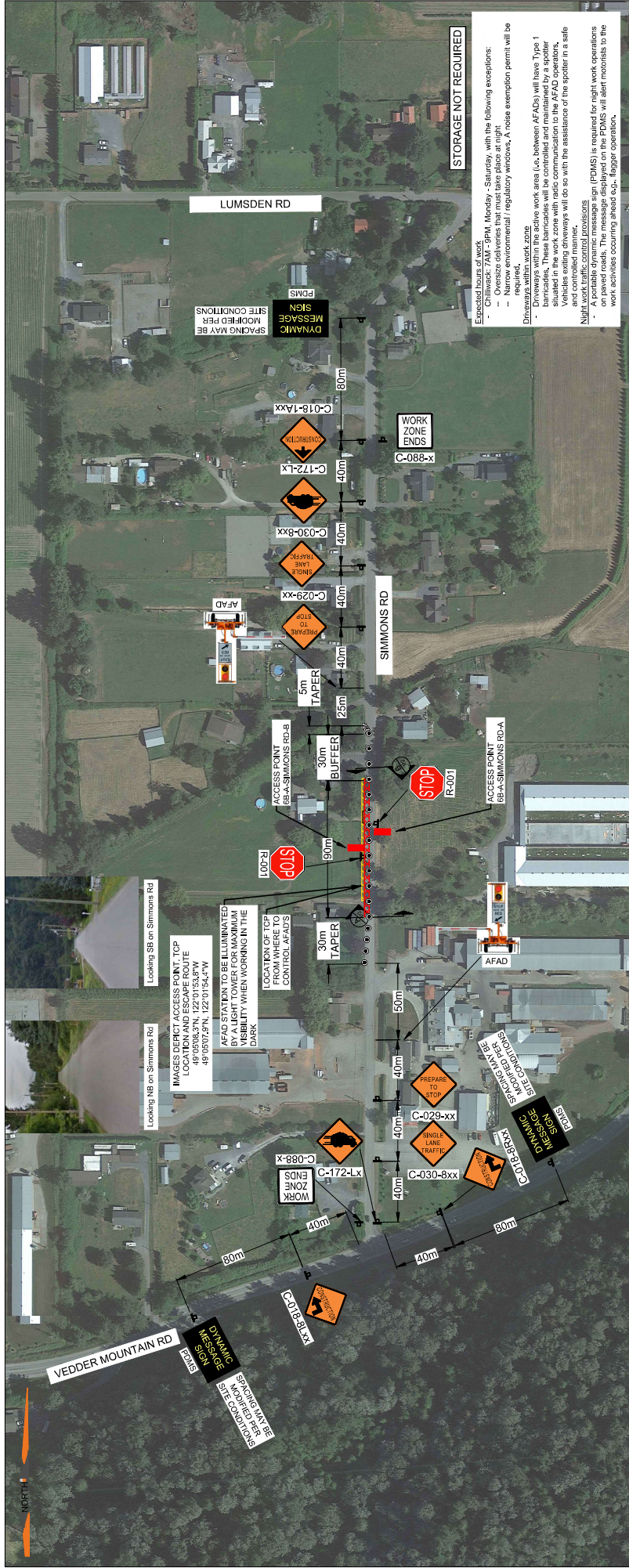


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NOTE DIMENSIONS SHOWN ARE SITE SPECIFIC

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DATE _____
PERMIT NUMBER: 1001432
ENGINEERS & GEOSCIENTISTS
BRITISH COLUMBIA



STORAGE NOT REQUIRED

Expected hours of work
 - Chitwick: 7AM - 8PM, Monday - Saturday, with the following exceptions:
 - Oversize deliveries that must take place at night
 - Work on environmental / regulatory windows. A noise exemption permit will be required.
 - Driveaways within work zone

Drivers within the active work area (i.e. between AFADs) will have 'Type 1' signposts and flashing lights. Drivers must be alerted to the presence of the work zone in the work zone with radio communication to the AFAD operators. Vehicles exiting driveaways will do so with the assistance of the spotter in a safe and controlled manner.
 Nighttime construction operations (NCO) require a PMS (PMS) is required for night work operations on paved roads. The message displayed on the PMS will alert motorists to the work activities occurring ahead e.g., flagger operation.

LEGEND:

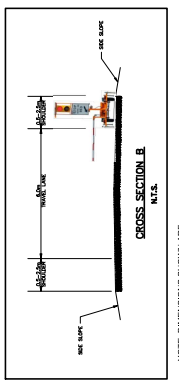
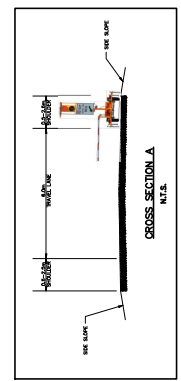
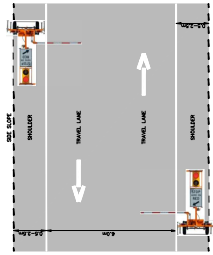
- SIGN MARKER
- AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)
- TCP CONTROL LOCATION
- ACCESS (6B-A-SIMMONS RD-A&B)
- WORKZONE
- TYPE 1 BARRICADE

TITLE: TRAFFIC CONTROL LAYOUT
 AP 6B-A-SIMMONS RD-A&B-SLAT
 BPLP TMEP SPREAD 6B

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 Okanagan, Vancouver, Victoria
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DESIGNED:	DRAWN:	CHECKED:	APPROVED:
PN	PN	BS	BS
DESIGN SPEED:	50 km/h		
PROJECT NO.:	6B-A-SIMMONS-SLAT_P3		
DATE:	FEB 07, 2023		
REVISION:	2		

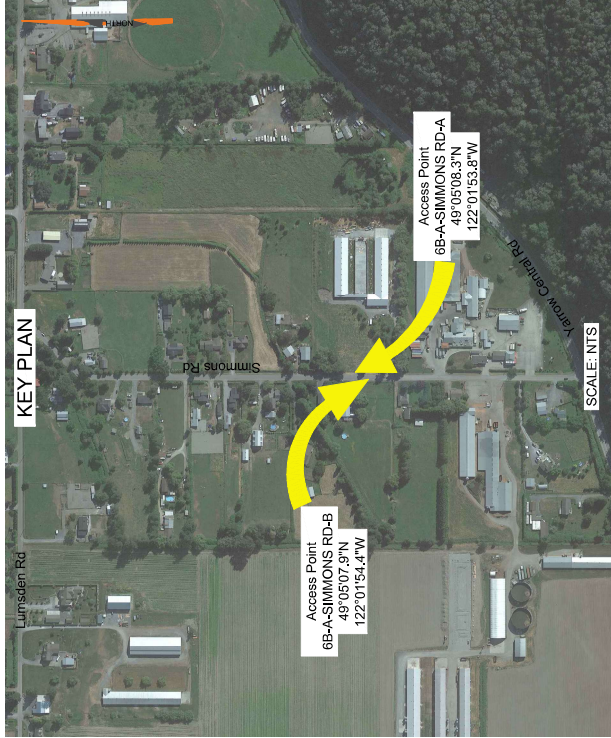
REVISIONS	ISSUED FOR IMPLEMENTATION
0	FEB 07-23
1	FEB 10-23
2	FEB 13-23
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 DATE _____
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 BRITISH COLUMBIA

NOTE DIMENSIONS SHOWN ARE SITE SPECIFIC

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KEY PLAN

SCALE: NTS

SITE ID: AP-6B-A-SIMMONS RD-A&B		POSTED SPEED, km/h	50
CATEGORY 1 - SIMMONS RD	<1000	ANTICIPATED SAFT, VEH / DAY	NA
NOTE: TRAFFIC DATA ESTIMATED BASED ON TAC GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS			
TCP NUMBER	01-13283-S6-M002-HS-PLN-0432		
DURATION OF WORK	LONG		
RISK ASSESSMENT REVISION	SEE APPENDIX F		
OVERLAPPING STRATEGY DOCUMENT	(01-13283-SG-M002-GN4-PRO-0001 R0)		

DYNAMIC MESSAGE SIGN SEQUENCE*			
CYCLE 1		CYCLE 2	
PHASE 1 (3 SEC)	PHASE 2 (3 SEC)	PHASE 1 (3 SEC)	PHASE 2 (3 SEC)
CONSTRUCTION PREPARE	CONSTRUCTION PREPARE	CONSTRUCTION PREPARE	CONSTRUCTION PREPARE
TO STOP	TO STOP	TO STOP	TO STOP
AHEAD	AHEAD	AHEAD	STOP

* PDMS MESSAGE MAY BE MODIFIED PER SITE CONDITIONS

SEAL:

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WATT CONSULTING GROUP LTD

SIGNATURE _____

DATE _____

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GENERAL NOTES:

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- ALL SIGNS SHALL MEET BC MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE (BC MOTI) SPECIFICATIONS FOR STANDARD HIGHWAY SIGN MATERIALS, FABRICATION, SUPPLY, INSTALLATION AND MAINTENANCE. CONTRACTOR IS TO NOTIFY THE TRAFFIC ENGINEER IF TRAFFIC CONTROL MEASURES OVERLAP WITH ADJACENT ACCESS MANAGEMENT PLAN.
- CONTRACTOR TO COVER ALL EXISTING CONFLICTING REGULATORY SIGNS WHEN THIS TRAFFIC CONTROL LAYOUT IS IMPLEMENTED AND ACTIVE.
- CONTRACTOR TO PLACE SIGNS SUCH THAT DRIVEWAY ACCESSES AND ROAD CROSSINGS ARE NOT IMPACTED.
- FOR CONSTRUCTION TIMING AND DURATION, REFER TO THE PERMIT OF THIS LOCATION. THE KEY WORK ACTIVITIES WILL INCLUDE, BUT NOT LIMITED TO: EQUIPMENT MOBILIZATION, MATERIAL STAGING, PIPELINE AND PUMP STATION CONSTRUCTION AND EQUIPMENT DEMOBILIZATION. REFER TO THE TRAFFIC AND ACCESS CONTROL MANAGEMENT PLAN (TACMP) FOR GENERAL RESTRICTIONS, SPECIAL EVENTS, AND OTHER CONDITIONS ASSOCIATED WITH EACH SITE.
- THE CONSTRUCTION TRAFFIC WILL COMPOSE OF TRUCKS HAULING EQUIPMENT AND MATERIALS AS WELL AS CREW TRANSPORT TO AND OR TEMPORARY STOPPING WITH AVERAGE DELAY LESS THAN 5 MINUTES, AND NO LONGER THAN 15 MINUTES.
- THE SPEED USED FOR THE TRAFFIC CONTROL MEASURES IS AS PROVIDED BY THE CONTRACTOR. CONTRACTOR TO CONFIRM ON SITE.
- IN TIMES OF MINIMAL ACTIVITY AT ANY PERMANENT ACCESS, ADVANCE WARNING TRUCK TURNING (W-377) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE MINISTRY REPRESENTATIVE ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- IN TIMES OF MINIMAL ACTIVITY AT ANY TEMPORARY ACCESS, ADVANCE CONSTRUCTION TRUCK TURNING (W-172) SIGNS AND OTHER SUPPLEMENTAL SIGNS AS REQUIRED BY THE DESIGNATED DISTRICT OFFICIAL ARE TO BE ERCTED ON EITHER SIDE OF THE ACCESS IN ACCORDANCE WITH THE LATEST VERSION OF THE MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND IN COMPLIANCE WITH ACCESS MANAGEMENT PLANS SPECIFIC TO EACH LOCATION, AS ACCEPTED BY THE MINISTRY.
- CONTRACTOR IS RESPONSIBLE FOR PLACING CONSTRUCTION WARNING SIGNS (C018-1A, C-029) ALONG ALL SIDE STREET APPROACHES WITHIN THE CONSTRUCTION SIGNAGE LIMITS OF THE ACCESS, AS NEEDED.
- THIS TRAFFIC CONTROL SETUP IS TO BE USED DURING DAYLIGHT HOURS, FOR NIGHT OPERATIONS OR TRAFFIC CONTROL SETUP IN THE HOURS OF DARKNESS AS PER THE HOURS OF THE APPROVED PERMIT/H1080. THE FOLLOWING IS REQUIRED TO CONFORM WITH THE MINISTRY'S REQUIREMENTS PER THE BC MOTI TRAFFIC MANAGEMENT MANUAL FOR WORK ON ROADWAYS (TMM):
 - OVERHEAD LIGHTING SHALL BE USED TO ILLUMINATE THE WORK ACTIVITY AREA, EQUIPMENT CROSSINGS, AND OTHER POTENTIALLY HAZARDOUS AREAS.
 - TCP APPAREL AND EQUIPMENT SHALL COMPLY WITH THE TMM REQUIREMENTS (INCLUDING ILLUMINATED BATONS).
 - TMM RETROREFLECTIVE STANDARDS AND INSPECTION REQUIREMENTS FOR ALL TRAFFIC CONTROL DEVICES MUST BE MET.
 - ALL THE DETAILS AND PROCEDURES ASSOCIATED WITH AUTOMATED FLAGGER ASSISTED DEVICE (AFAD) SHALL BE COMPLIANT WITH SECTION 407 OF THE TMM 2020.
 - THE AFAD SHALL BE ILLUMINATED WITH OVERHEAD LIGHTING AS PER TMM SECTION 47.2 AND 7.9.
 - CONTRACTOR TO RESTORE THE ROAD TO ORIGINAL CONDITION AFTER PIPELINE CONSTRUCTION.
 - APPENDIX F OF TRAFFIC CONTROL PLAN DETAILS: A) RISK ASSESSMENT, B) AFAD (AUTOMATED FLAGGER ASSISTED DEVICE) AND TCP REQUIREMENTS AND OPERATIONS PER WORKSAFE BC PART 18 (OHSR), C) THE ENVIRONMENTAL TRAFFIC RISKS SPECIFIC TO THIS SITE, D) SIGN DISTANCE SPECIFIC TO THE SITE (AS DETAILED UNDER DRIVER SIGHT DISTANCES 2.1, SITE FACTORS (RISK ASSESSMENT) AND IN APPENDIX F.
 - THERE WILL NOT BE ANY STORAGE OF MATERIALS WITHIN THE ROADWAY IN THE CLEAR ZONE (UNLESS APPROVED BY EOR) THAT IMPEDE THE SIGHT LINES AT THE ACCESS POINT.
 - WHEN TWO OR MORE ACTIVE ACCESS POINTS ARE IN CLOSE PROXIMITY TO EACH OTHER, THE SIGN SET UP AND TRAFFIC CONTROL WILL COMPLY WITH OVERLAPPING TRAFFIC CONTROL STRATEGY AS PER SECTION 2.3 WORK ZONES IN CLOSE PROXIMITY IDENTIFIED.
 - THE CONTENT OF THIS DRAWING REPRESENTS INFORMATION GATHERED AT THE TIME OF ITS DEVELOPMENT. THE WORK ZONE WILL BE REVIEWED AT THE TIME OF IMPLEMENTATION AND, IF THERE ARE SIGNIFICANT CHANGES OR ITEMS NOT CONSIDERED PROPERLY, THE DRAWING AND THE HAZARD ASSESSMENT WILL BE UPDATED ACCORDINGLY.

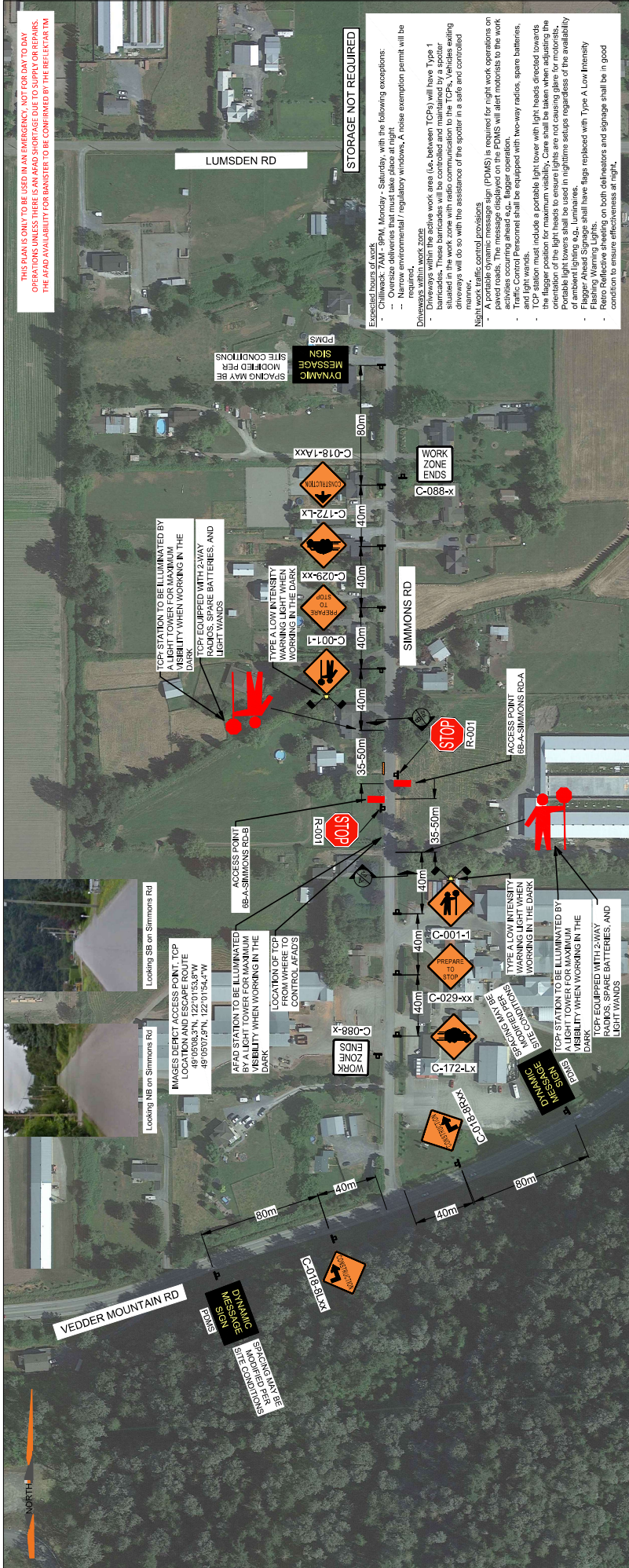
LIST OF DRAWINGS	
NO.	TITLE
6B-A-SIMMONS-A&B-TCPL_P1	TRAFFIC CONTROL LAYOUT PLAN COVER SHEET
6B-A-SIMMONS-A&B-TCPL_P2	TRAFFIC CONTROL LAYOUT PLAN

TITLE: **TRAFFIC CONTROL LAYOUT**
AP 6B-A-SIMMONS RD-A&B-TCPR
BPLP TMEP SPREAD 6B

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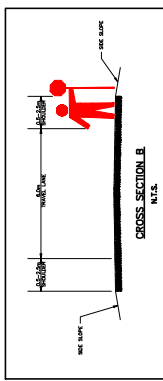
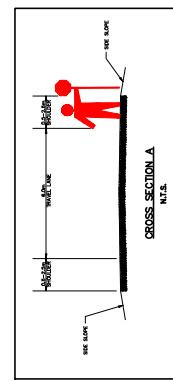
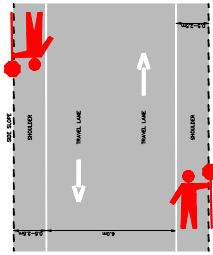
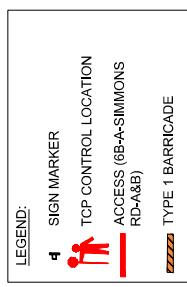
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1	ISSUED FOR IMPLEMENTATION	FEB 13-23	PN	BS	BS
2			PN	PN	BS
3			DESIGN VEHI:	DESIGN SPEED:	
4				50 km/h	
5			PROJECT NO:	DRAWING NO:	
6			3431.B01	6B-A-SIMMONS-A&B-TCPL_P1	
7			DATE:	REVISION:	
8			FEB 07, 2023	1	

THIS PLAN IS ONLY TO BE USED IN AN EMERGENCY, NOT FOR DAY TO DAY OPERATIONS UNLESS THERE IS AN AFAD SHORTAGE DUE TO SUPPLY OR REPAIRS. THE AFAD AVAILABILITY FOR BANISTER TO BE CONFIRMED BY THE REFLECTAR TM.



STORAGE NOT REQUIRED

Expected hours of work: Monday - Saturday, with the following exceptions:
 - Narrow environmental / regulatory windows, A noise exemption permit will be required.
 - Deliveries within the active work area (i.e. between TCPs) will have Type 1 barricades. These barricades will be controlled and maintained by a spotter situated in the work zone with radio communication to the TCPs. Vehicles exiting driveways will do so with the assistance of the spotter in a safe and controlled manner.
 - Night work, traffic control provisions
 - A portable dynamic message sign (PDMS) is required for night work operations on paved roads. The message displays on the PDMS will alert motorists to the work and light wands.
 - Traffic Control Personnel shall be equipped with two-way radios, spare batteries, and light wands.
 - The location of the light towers shall be determined by the location of the light bases to ensure lights are not causing glare for motorists. Portable light towers shall be used in nighttime setups regardless of the availability of ambient lighting e.g., luminaires.
 - Flagger / Road Sprayer shall have flags replaced with Type A, Low Intensity reflective sheeting on both delineator and signage shall be in good condition to ensure effectiveness at night.



TITLE: TRAFFIC CONTROL LAYOUT
 AP 6B-A-SIMMONS RD-A&B-TCPR
 BPLP TMEP SPREAD 6B

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DESIGNED:	DRAWN:	CHECKED:	APPROVED:
PN	PN	BS	BS
DESIGN VEHICLE:	DESIGN SPEED:		
50 km/h	50 km/h		
PROJECT NO:	DRAWING NO:		
3431.B01	6B-A-SIMMONS-RD-TCPR_P2		
DATE:	REVISION:		
FEB 07, 2023	1		

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1	ISSUED FOR IMPLEMENTATION	FEB 13-23
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PERMIT TO PRACTICE
 WATT CONSULTING GROUP LTD
 SIGNATURE _____
 DATE _____
 PERMIT NUMBER: 1001432
 ENGINEERS & GEOSCIENTISTS
 BRITISH COLUMBIA

REVISIONS

0 ISSUED FOR IMPLEMENTATION FEB 07-23
 1 ISSUED FOR IMPLEMENTATION FEB 13-23
 2
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SCALE:

PLAN VIEW N.T.S.

CROSS SECTION A N.T.S.

CROSS SECTION B N.T.S.

NOTE DIMENSIONS SHOWN ARE SITE SPECIFIC