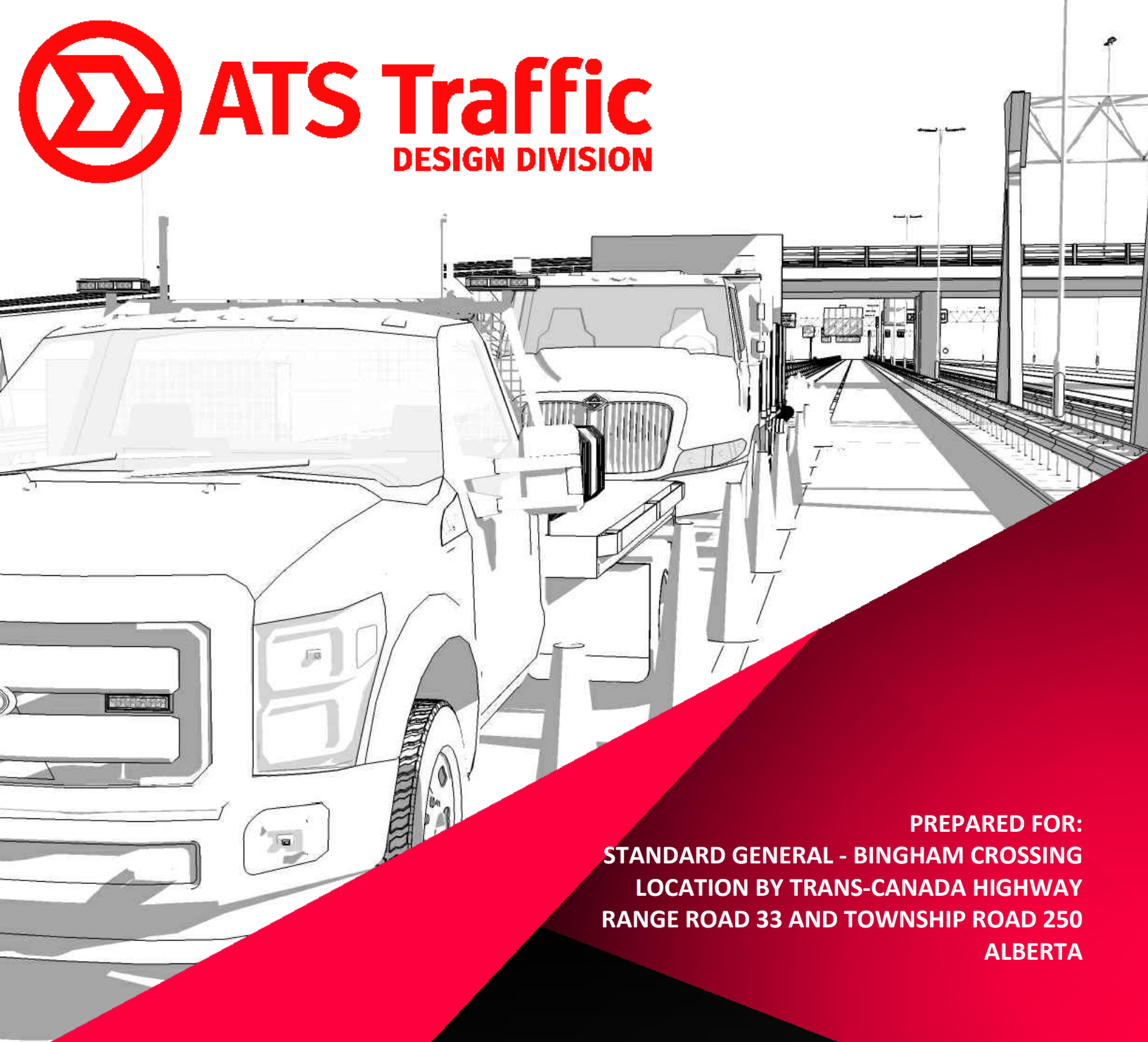
ATS Traffic
DESIGN DIVISION



PREPARED FOR:
STANDARD GENERAL - BINGHAM CROSSING
LOCATION BY TRANS-CANADA HIGHWAY
RANGE ROAD 33 AND TOWNSHIP ROAD 250
ALBERTA

TRAFFIC ACCOMMODATION STRATEGY

CONTENTS

1. Project

Highway No.: Trans-Canada Highway, Range Road 33, and Township Road 250

Introduction

This is the complete Traffic Accommodation Strategy (TAS) for the construction of Highway 1 Stage 1 – Interchange and RR 33 Phase 1

Project limits:

- Phase 1A - 1B STA: 7+000 to approximately 7+800 Westbound Hwy 1
- Phase 1C - 1D STA: 3+600 to approximately 4+100 on Rge Rd 33
- Phase 1E – 1G STA: 4+100 to 4+495 on Rge Rd 33 and 5+092 to 5+910 on Twp Rd 250
- Phase 2A – 2B STA: 0+000 to approximately 0+500 Eastbound Hwy 1
- Phase 2C STA: approximately 0+400 to approximately 1+020 to Rge Rd 33

2. Scope

Project includes:

The scope of work for this project includes, but is not limited to, the following:

- Traffic Accommodation
- Topsoil stripping
- Common Excavation (Depth of excavation: ~2m)
- Embankment (Height of embankment: 1m to 7m)
- Deep utility storm and water installation
- Storm ponds
- Gravel base
- Concrete curb & gutter
- Paved roadways
- Topsoil placing
- Hydroseeding
- Guard rails
- Road markings
- Directional drill (.5m diameter)

3. Contractor

Standard General			
Contact	Title	Office	Cell
Chris Telequen	Project Manager	n/a	403.512.7267
Segio Campos	Project Coordinator	n/a	587.223.8342

4. Subcontractor

McLeod Earthworks			
Contact	Title	Office	Cell
Colby McLeod	Owner/President	n/a	403.801.7985
ATS Traffic - Calgary			
Kirk Clunie	Traffic Control Manager	403.248.3241	403.988.5206
Dominic Dayan	Sr. Traffic Control Supervisor	403.236.9862	403.852.3587
Bryan Catano	Traffic Control Supervisor	587.471.2156	403.589.1155
Traffic Design			
Shahid Nadeem	Senior Transportation Engineer	587.471.2164	n/a
Fernando Ibanez	Corporate Operations Manager	587.471.2150	403.370.3151
Samantha Busswood	Traffic Design Supervisor	587.471.2163	n/a
Sean Connor	Traffic Design	587.471.1267	n/a

All Personnel shall wear Personal Protection Equipment: High visibility vest, hard hat, safety boots, and safety glasses.

5. Schedule

Stage 1 – NE Ramp	May 12, 2025	July 18, 2025
Stage 1 – Center Circle & Rge Rd 33	May 25, 2025	September 30, 2025
Stage 1 – Twp 250 Eastbound (Phase A)	June 7, 2025	August 11, 2025
Stage 1 – Twp 250 Eastbound (Phase B)	August 11, 2025	October 2, 2025
Stage 2 – SW Ramp (Phase A)	May 31, 2025	December 03, 2025
Stage 1 – RR33 Southbound, Center Circle	April 30, 2026	June 18, 2026
Stage 1 – NW Ramp	April 29, 2026	July 20, 2026
Stage 2 – RR33 & South Circle	April 01, 2026	July 10, 2026
Stage 2 – SE Ramp	May 30, 2026	August 28, 2026
Stage 3 – RR33 Tie-Ins, Bridge & Others	August 28, 2026	September 07, 2026
Stage 4 – Concrete Work Circles	June 15, 2026	August 04, 2026

6. Sign Covering/ Installation / Removal

Sign Covering:

- All temporary traffic signs shall be placed face down away from shoulder when work is finished for the day and during all other periods of inactivity.

- Existing signage with messages conflicting with the temporary traffic accommodations shall be removed or covered.

Two Lane Highway

All temporary signage shall be installed on the right side of shoulder. Signs shall be sized for "rural" application.

Four Lane Divided Highway

Signing shall be installed in the same direction and on both sides of the carriageway. Signs shall be sized for "high speed; high volume" application.

Concrete Barrier Installation/Removal

Concrete barriers shall be installed in a safe manner by qualified personnel using a truck with revolving lights. An arrow board, set to "caution", shall be located within the shoulder behind the traffic barrel taper immediately downstream of the installation location.

Installation Procedure:

TCD's (Traffic Control Devices) shall be installed in a safe manner by qualified personnel using a truck with revolving lights and an arrow board during the set-up and take down of equipment. The installation procedures for traffic control devices shall be as follows:

1. Measure and pre mark placement of TCD's. Drive on the shoulder or wherever possible, use the ditch. Have revolving light "on" and arrow boards set to "caution" mode.

2. When setting up TCD's, stay in the shoulder or ditch. Ensure all signs are covered or laid down until required. Channelization and delineation devices can be pre-set and "walked" into position when required.

3. When setting up equipment or devices for advanced warning, start at the first sign in your sequence plan then set up subsequent signs as you move towards the work zone. Cover or remove any existing signage, as you go, with messages that conflict with the messages of the temporary signage. Workers shall keep to the shoulder or ditch whenever possible. Trucks should have all revolving lights "on", and arrow boards set to "caution" mode unless working in the travel

lane. When working in the travel lane, the arrow board should be set to "chevron" mode with arrow pointing to the open lane. If possible, two trucks should be used to simultaneously erect signs in each direction. If only one truck is available, set up one side, then the other side. Do not alternate back and forth across the roadway.

4. When lane closures are not required, proceed to procedure six. When a subsequent lane closure is required and once the advanced warning signs are up and facing oncoming traffic, move truck, with arrow board in "chevron" mode and pointing to the open lane, into the proposed closed lane adjacent to the proposed starting point of the taper. Place channelizing devices to create taper starting at the shoulder and working across the lane to the lane line. Set up arrow board trailer, if required, in the center of the closed lane after the tape channelizing device. Set the arrow board trailer to "chevron" mode with arrow pointing to the open lane. Remove truck to the now closed lane via the shoulder.

5. The taper and arrow board trailer are now installed, and crews can drive in the closed lane (with truck arrow board set to "caution" mode) to set out the required barricades and cones along the tangent. Repeat steps four and five if a second subsequent lane closure, within the same setup, is required. Once the taper(s) are complete, set up cones along the tangent to define the work zone.

6. Proceed along the shoulder or ditch to setup the termination signage and the "Gazetted Speed" sign if required.

7. Return to the start of the setup and drive through the entire setup to ensure it is operating as intended. Once proper operation is confirmed, document the entire setup by taking photographs and recording in the Daily Record.

The removal procedures for traffic control devices are as follows:

1. Position truck in the closed lane at the upstream end of the activity area with the truck pointing in the direction of traffic flow. Set truck mounted arrow board to "caution" mode. Slowly reverse truck in the closed lane and starting with the last device placed in the activity area, begin removal of TCD's. Work backwards through the tangent and subsequently the taper until all devices used within the activity area and the taper are removed.

2. Remove TCD's from advanced warning area. When removing advanced warning TCD's, workers shall keep to the shoulder or ditch whenever possible. Trucks should have all revolving lights "on" and arrow boards set to "caution" mode unless working in the travel lane. If working in the travel lane is unavoidable, the arrow board should be set to "chevron" mode with arrow pointing to the open lane. Start at the first advanced warning sign and while moving in the same direction as traffic flow, remove the advance warning signs. Repeat for signs located on median shoulder, if two trucks are not available, always moving in the same direction as traffic flow. Do not backup against traffic flow.

3. Remove TSD's from termination area. When removing termination TCD's, workers shall keep to the shoulder or ditch whenever possible. Trucks should have all revolving lights "on" and arrow boards set to "caution" mode unless working in the travel lane. If working in the travel lane is unavoidable, the arrow board should be set to "chevron" mode with arrow pointing to the open lane. Start at the first upstream termination sign and while moving in the same direction as traffic flow, remove the remaining termination signs. Repeat for signs located on median shoulder, if two trucks are not available, always moving in the same direction as traffic flow. Do not backup against traffic flow.

7. Pre-signing

All existing signage with messages conflicting with messages of construction pre signing shall be covered or removed. Sign cover shall be manufactured from plywood and shall be of the same dimension and shape as the sign to be covered. A suitable fastening system shall be employed to prevent damage to the face of the covered signs.

Visual Message Boards should be included to advise the public of traffic pattern changes, and phase changes.

Construction pre-signage should be installed minimum 7 days before construction.

8. Sign Supports

Long Duration Temporary Signs:

Temporary signage in place for more than 24 hours shall be mounted on either galvanized steel u-channel or 100X100 treated wooden posts.

Short Duration Temporary Signs:

All signs in place for 24 hours or less shall be mounted on wind resistant temporary sign stands.

Other Signs:

Under some circumstances, signs may require an alternative mounting system such as sandwich boards. These instances shall be reviewed on a case-by-case basis with Standard General.

9. Sign Height

Long Duration Temporary Signs:

Temporary signage in place for more than 24 hours shall have a sign height of not less than 1.5 meters vertically from road surface to the bottom of the sign plate.

Short Duration Temporary Signs:

All signs in place for 24 hours or less shall have a sign height of not less than 0.3 meters vertically from road surface to the bottom of the sign plate.

10. Traffic Control Supervisor (TCS) Name: TBD Cellphone: TBD

The TCS is certified by the Alberta Construction Safety Association in Alberta traffic control. Under the guidance of the TCS, the traffic control technicians (TCT) shall implement the traffic control required for this project. It is the responsibility of the TCS to ensure the work is completed in compliance with the TAS and Ministry of Transportation and Economic Corridors' "Traffic Accommodation in Work Zones 2018 (2nd Edition)". In addition, the TCS will ensure that:

1. A daily record of temporary construction signs (See Appendix B) is completed with copies provided to Standard General weekly.
2. The required traffic control devices are in place as per the TCP and these devices are monitored and properly maintained (TCD's are clean and in good repair) during working and nonworking hours.
3. The original intent of the traffic management plan is maintained.
4. An inspection of the site to ensure there are no hazards to the safety of drivers and personnel.
5. All personnel administering temporary traffic control are adequately trained, are performing their duties competently and safely and are properly equipped with personal protective clothing and equipment.
6. Any changes to the TMP are documented and submitted with the daily traffic forms to Standard General.
7. All personnel administering temporary traffic control are informed of changes to the TMP.

Traffic Control Technician (TCT)

All TCT's are certified by the Alberta Construction Safety Association in Alberta temporary traffic control. The TCT's, under the guidance of the TCS, shall implement the traffic control required for this project. In addition, the TCT's will ensure that:

1. The TAS and TAP are understood and followed.
2. Safety for themselves, work zone personnel and road users is a priority when implementing the TAP.
3. Two-way communications between TCS and other TCT's is maintained by either cell phone or two-way radio.

11. Day/Nighttime Procedures

No activities are scheduled during nighttime hours.

12. Accommodating vehicles around tack coat & non-standard lane widths

No Non-Standard Lane Widths are expected.

13. Special road users

Emergency and oversize vehicles will be given priority through the work zone. In the event traffic congestion prevents the passage of these vehicles, Standard General, will immediately suspend operations near the congestion, and with the assistance of the TCT, attempt to either clear the congestion or create an alternative route through the work zone.

Significant pedestrian flows are not anticipated through the project limits. In the event pedestrians require passage, they will be accompanied around the work zone by either Standard General personnel or by the TCT.

14. Non-typical Conditions

No Non-Typical Conditions are expected.

15. Work Staging

This project has three distinct stages with traffic accommodation interfaces.

These stages are as follows:

1. Trans-Canada Highway concrete barrier installation
2. Range Road 33 detour construction
3. Township Road 250 and Range Road 33 intersection realignment

16. Detours

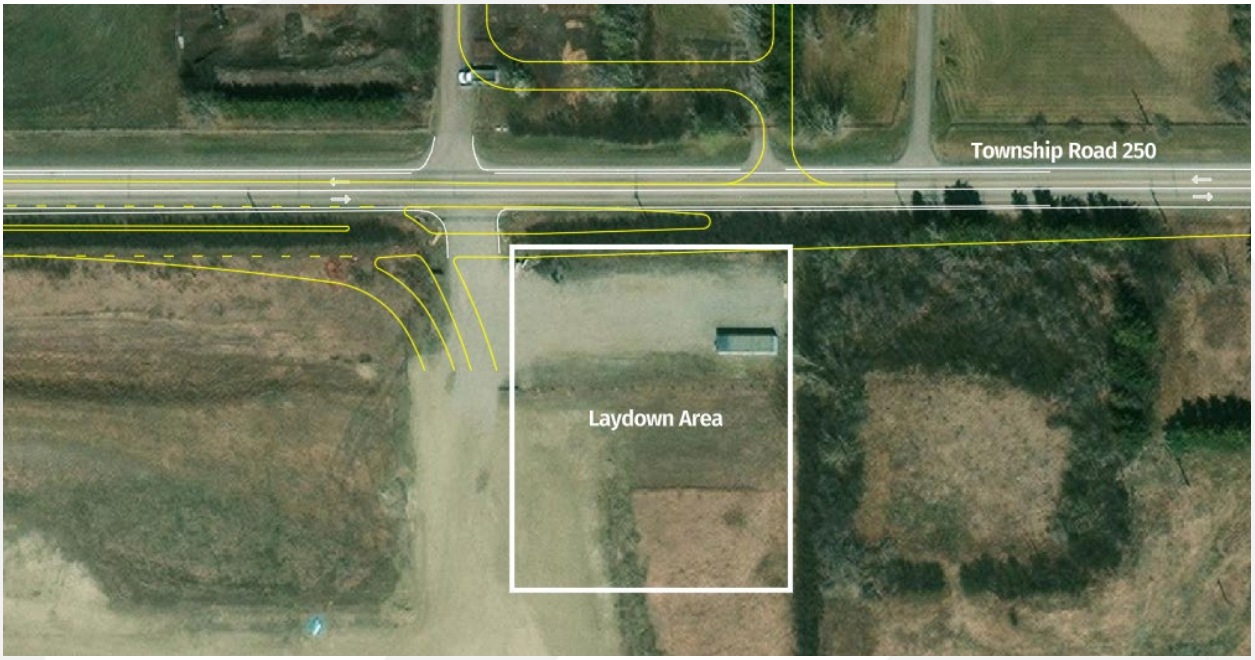
There is a localized detour during Phase 1 – D on RR 33. Details on DWG# 49928-D0166326

17. Traffic Control Drawings

Drawing No.	Description	Activities
49928-D0166323	Phase 1A	Barrier Placement HW1
49928-D0166324	Phase 1B	Construction Zone HW1
49928-D0166325	Phase 1C	Detour Rd Const RR33
49928-D0166326	Phase 1D	Detour Rd RR33
49928-D0167269	Phase 1E	Detour Rd Const TWP250
49928-D0167271	Phase 1F	Detour TWP250
49928-D0168572	Phase 1G	Detour TWP250

18. Parking of Equipment

A clear zone shall be maintained beside the shoulders of all public and private roads for the duration of the project. The clear zone is the area alongside the edge of the road that shall be kept clear and free of the storage of project related materials and the parking of equipment or vehicles.



Note: The specified clear zone can be applied universally throughout the project. If the specified clear zone requirement cannot be provided at any specific location and for any reason, then a site-specific study shall be completed to confirm the appropriateness of the specified clear zone distance and/or employ other means, such as barriers or crash attenuation devices, to mitigate the local hazard.

There will be no parking of trucks or equipment in the centre highway medians.

Posted Speed in Work Zone (km/h)	Distance (m)
100 - 110	9
90	7
70 - 80	5
less than or equal to 60	4
less than or equal to 60 with barrier curb*	0.5

* Distance should be measured away from the roadway, starting from the edge of curb.

19. Flag Persons

- Flag people shall be certified by the Alberta Construction Safety Association.
- The colour of the coveralls shall be fluorescent yellow green with silver retroreflective striping. The retroreflective striping shall be a minimum of 50mm wide and shall be sewn onto a 100mm wide fluorescent red-orange background material. Flagperson safety apparel shall always be kept clean and in good condition. Faded, torn and/or dirty coveralls, or coveralls without CSA certification labels, will not be acceptable, and shall be replaced. Striping requirements are identified in the referred to CSA standard.
- Where there is a foreseeable risk of injury to a worker's head, flag persons shall wear fluorescent orange protective hardhats meeting the requirements of the most current version of CSA standard Z94.1. Where no foreseeable risk of head injury exists, flag persons will be permitted to wear any type of fluorescent orange headgear.
- Flag Persons shall ensure their certificates are available onsite during flagging operations.
- Flag persons shall be equipped with handheld red traffic signal wands of sufficient brightness to be clearly visible and flagging stations shall be illuminated by overhead lighting. Consideration shall be given to the use of law enforcement personnel in situations where impaired or speeding drivers may result in undue risk to workers and other drivers.

20. Center Line Spotting Procedure

All center line spotting shall be done on proposed roads before they are opened to traffic. A center line spotting procedure, therefore, is not required.

During line painting operations within live traffic conditions, the following procedure shall be followed:

1. The paint truck shall be equipped with a revolving light, an arrow board set to “corner flashers”, a slow-moving vehicle emblem and a “Wet Paint Keep Off’ sign (WD-A-120).
2. The painting truck shall be “shadowed” at a distance by a vehicle equipped with a crash attenuator. This vehicle shall also be equipped with a revolving light, an arrow board set to “corner flashers”, a slow-moving vehicle emblem and “Wet Paint Keep Off’ sign (WD-A-120). The distance between the paint truck and shadow vehicle shall be determined using the mass of the shadow vehicle and the properties of the crash attenuation device, as per manufacturer’s specification.
3. A pilot vehicle equipped with a revolving light, an arrow board set to “corner flashers”, a slow-moving vehicle emblem and “Wet Paint Keep Off’ sign (WD-A-120) shall be located in the right shoulder approximately two kilometers in advance of the paint truck to provide road users with advance warning of the painting operation ahead.

21. Speed Limits

The existing 110 km/h speed zone shall be reduced to 80 km/h during Phase 1 along Highway 1.

Due to the required shy distance on the North shoulder adjacent to the work area, the current shoulder width does not allow for the speed to be higher than 80km/h while barrier is in place.

There will be an active site access point off HWY 1 Westbound at the beginning of the barrier.

The existing 60 km/h speed zone shall be reduced to 50 km/h during Phase 1 along Range Road 33

22. Pilot Vehicles

The use of pilot vehicles is not required.

23. Daily Sign Log

The TCS (or designate) will complete a log of temporary construction signs daily and as the work changes (a sample form is included in appendix B). Copies of the daily log shall be submitted to Standard General weekly. This will be done every 6 hours and include info.

24. Incident Reporting

Ministry of Transportation and Economic Corridors (TEC), Rocky View County, Standard General, and ATS Traffic shall be notified immediately of all incidents. Incident reports shall be submitted to Ministry of Transportation and Economic Corridors within 72 hours.

- During Phase 1-D, site checks shall be performed every 6 hours.
- Daily frequency for site checks shall be minimum 3 times during normal working hours (7am – 7pm, Monday to Saturday)
- Frequency of site checks during Phase breaks or non-working hours shall be once in a 24 hour period minimum.

25. Haul Routes

Haul routes are not required.

26. Access and Egress from Work Zones

To minimize traffic disruptions when accessing or leaving a work zone, the following procedures will be followed:

- Drivers shall use good judgment when entering or exiting the work zone.
- Vehicles entering or exiting the work zone shall have amber flashers and/or rotating beacons turned on.
- Stop signs will be installed at truck/construction access locations.

27. Emergency Response

INTRODUCTION

The purpose of the Incident Management Plan is to have an action plan prepared in the event of an incident affecting traffic within the work zone.

An Incident is defined as a collision, vehicle breakdown, spill or any other event, which impedes the flow of traffic. The incident may result in a full or partial roadway blockage.

INCIDENT RESPONSES

The Site Foreman will direct and coordinate the movement of traffic safely and expeditiously around the incident and will assist in providing access to and from the incident for emergency vehicles. The accident area will be secured to ensure public and worker safety. The following steps will be carried out to assist and minimize the impacts to all affected.

For a mechanical or other unforeseen obstruction, the following measures will be taken:

1. All obstructions to traffic flow shall be reported to the Site Foreman.
2. Operator(s) shall remove the vehicle(s) off and away from the traveled roadway if possible and safe to do so.
3. Site Foreman shall arrange for the vehicle(s) to be towed if necessary.
4. Site Foreman shall manage traffic accommodations to keep traffic flowing around obstruction if the Site Foreman deems it is safe to do so (this may involve stopping work as required and removal of traffic accommodations until the obstruction is removed).

In case of a collision the following measures shall be taken:

1. All collisions shall be reported to the Site Foreman as soon as possible.
2. The Site Foreman shall place flares, flashers or reflectors on the roadway as necessary to secure site.
3. The Site Foreman shall arrange for first aid or an ambulance for any injured persons (see appendix A for emergency contact information).
4. The Site Foreman shall assist injured persons until emergency personnel arrive.
5. The Site Foreman shall arrange for the vehicle to be removed from the road if possible.
6. The Site Foreman shall submit a detailed report of the incident to the appropriate Transportation representative within 72 hours from the time of the occurrence.
7. The Site Foreman shall refrain from entering a dispute with any occupant(s) of vehicles or bystanders.
8. The Site Foreman shall make no admission of liability or offer any settlement of claims; and
9. The Site Foreman shall gather as much information as possible about the accident (i.e. time, date, pictures, etc.)

INCIDENT MANAGEMENT SAFETY

1. The incident will be promptly investigated, and correction of potential hazards will be rectified.
2. Emergency Services will be notified of intended detours.

28. APPENDIX A - Contact List

911 – Police, Fire, Ambulance and Spill Containment

Emergency Services	
Ministry of Transportation and Economic Corridors Calgary District	403-297-6311
Rocky View County	403-230-1401
Calgary Police	403-266-1234
Foothills Hospital (emergency)	403-944-1315
City of Calgary (All Departments)	311
Gas Utility ATCO (24hrs.)	1-800-511-3447
Direct Energy Regulated Services (Natural Gas)	1-866-420-3174
Alberta 1 Call	1-800-242-3447
Alberta 511	1-855-391-9743
AltaLink (Transmission Lines) (24hrs.)	1-866-667-3400
Fortis Alberta	310-WIRE (9473)
FTTP (Fibre to the Premise)	403-586-4000
EPCOR (Toll Free in AB)	403-310-4300
Telephone Facilities: Telus (24hrs.)	403-310-2255
Cable Facilities: Shaw (24hrs.)	1-888-472-2222
Shaw Direct Satellite (Toll Free)	1-866-782-7932
Occupational Health and Safety	1-866-415-8690
Poison Control	403-670-1414 / 1-800-332-1414
Dept. of Fisheries & Oceans	1-800-222-6514
Alberta Environment	1-800-222-6514
Dangerous Goods/Disaster Services (24hrs.)	403-381-5220 / 1-800-272-9600

Standard General			
Contact	Title	Office	Cell
Chris Telequen	Project Manager	n/a	403.512.7267
Segio Campos	Project Coordinator	n/a	587.223.8342
ATS Traffic - Calgary			
Kirk Clunie	Traffic Control Manager	403.248.3241	403.988.5206
Dominic Dayan	Sr. Traffic Control Supervisor	403.236.9862	403.852.3587
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Shahid Nadeem	Senior Transportation Engineer	587.471.2164	n/a
Fernando Ibanez	Corporate Operations Manager	587.471.2150	403.370.3151
Samantha Busswood	Traffic Design Supervisor	587.471.2163	n/a
Sean Connor	Traffic Design	587.471.2167	n/a

ATS Traffic

DAILY RECORD OF TEMPORARY CONSTRUCTION SIGNS

Notes:

(1) Signature confirms that the following items have been checked at the time and date indicated:

- All Traffic Control Devices conform to the Traffic Accommodation Strategy and the Contract Specification
- All Traffic Control Devices are clean, unobstructed and clearly visible
- All Traffic Control Devices are properly located, in good condition and well secured
- All flashers are operating
- Temporary line marking is in place (where applicable)

(2) Designation and Station number of the sign immediately prior to the work area

(3) Station number of the start of the work area

(4) Information is recorded for each work area by the Contractor each day and submitted to the Consultant at the end of each week

Day	Time	[2] Sign		[3] Location of Work Area	Typical Drawing Number	[1] Contractor's Representative	Comments
		Designation	Location				

Contract #: _____
Contractor: _____
Highway Location: _____
Type of Work: _____

Month: _____
Year: _____

30. APPENDIX C - Traffic Accommodation Strategy Component Check List

Contract #

		YES	NO	N/A
1	**Is Project Identified?** - contract number - highway number - project limits shown	☒	☐	☐
2	**Is the Project 'Scope of Work' Identified?**	☒	☐	☐
3	**Is Contractor Identified?**	☒	☐	☐
4	**Are Sub-Contractors Identified?** - contact names/phone numbers - assorted tasks	☒	☐	☐
5	**Is Schedule Identified?** - date of commencement/completion - milestone dates/interim stage of completion	☒	☐	☐
6	**Is the Process for Sign Installation/Covering/Removal Identified?** - two-lane highways - four-lane highways	☒	☐	☐
7	**Will the Project be Pre-signed?** - strategy for covering/monitoring signs	☒	☐	☐
8	**Are the Type of Sign Supports Identified?** - posts/portables/windmaster/etc...	☒	☐	☐
9	**Are the Sign Height Requirements Identified?** - long duration signs (1.5m) - short duration signs (0.3m)	☒	☐	☐
10	**Are Responsibilities for TCS Identified?** - name(s) of on-site designate & contact numbers - monitoring of TCD's during inactive periods	☒	☐	☐
11	**Are Day/Night Procedures Established?**	☐	☐	☒
12	**Is Accommodating Vehicles Around Tack Coat & Non-Standard Lane Widths Identified?**	☐	☐	☒
13	**Are Special User Issues Identified?** - over-dimensional loads, emergency vehicles, etc...	☐	☐	☐
14	**Are Non-Typical Conditions Identified?** - did contractor address items from S.P.'s?	☐	☐	☒
15	**Is Work Staging Identified?** - template for each stage - no situations missing	☒	☐	☐
16	**Are Detour(s) Identified?** - customized drawings	☒	☐	☐
17	**Are Drawings Submitted?** -all activities	☒	☐	☐
18	**Is Parking of Vehicles/Equipment Identified?** - during working hours - during non-working hours	☐	☐	☒

		YES	NO	N/A
19	Have the Requirements for Flag People Been Identified? - certifying agency - protective clothing - certificate readily available	☒	☐	☐
20	Has the Procedure for Centreline Spotting Been Identified? - strategy for the protection of workers	☐	☐	☒
21	Speed Limits Identified? - all activities - non-active periods - distinct phase breaks	☒	☐	☐
22	Is the Use of Pilot Vehicles Identified?	☐	☐	☒
23	Have the Requirements for the Daily Sign Log Been Identified? - include timeline for submission of information to consultant	☒	☐	☐
24	Has the Reporting of Accidents Been Identified?	☒	☐	☐
25	Are the Haul Route(s) Identified?	☐	☐	☒
26	Is the Process for Truck Turning Movements Within the Work Area/Zone Identified?	☒	☐	☐
27	Emergency Response Strategy? - names/contact numbers - arrangement with emergency responders	☒	☐	☐

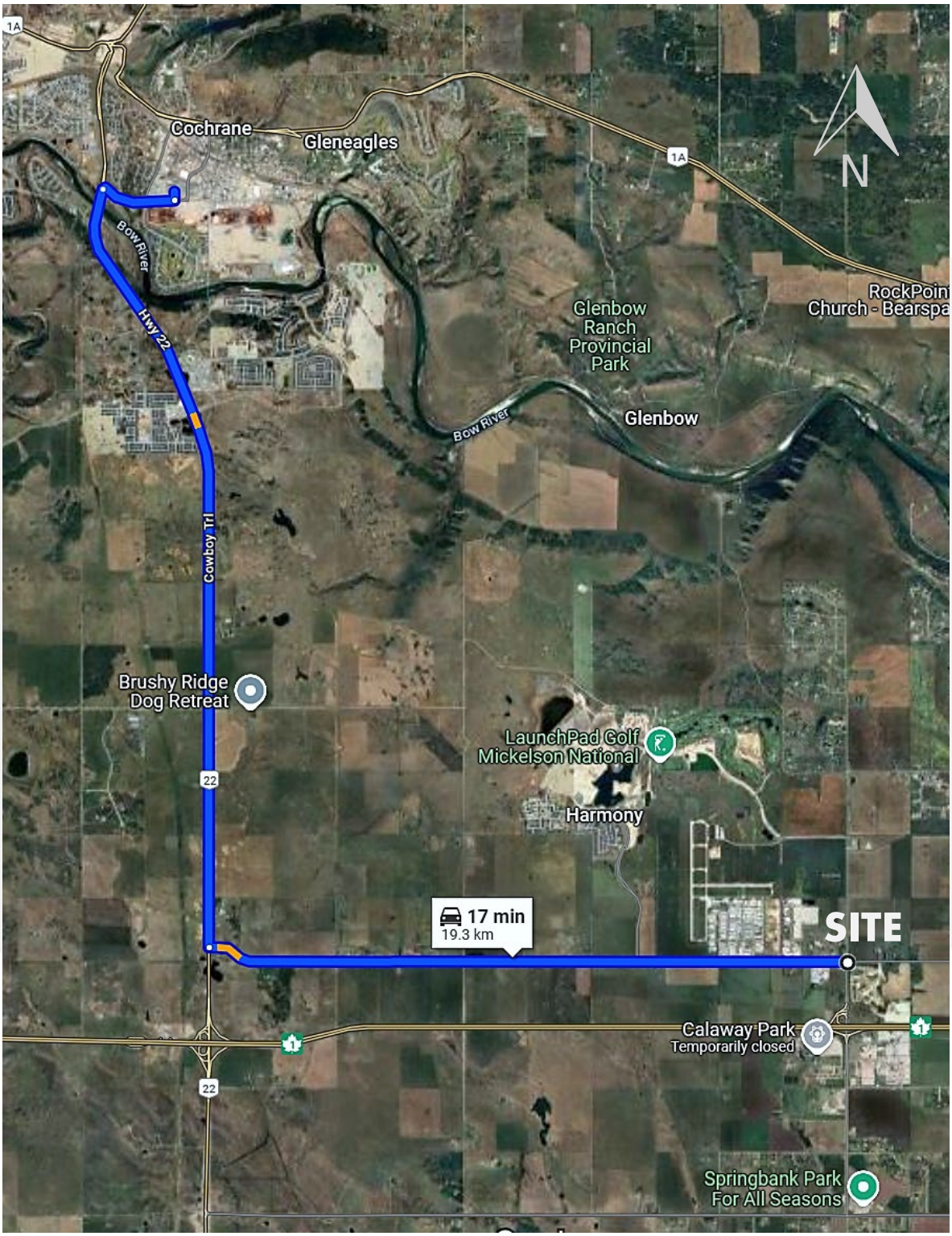
NOTES

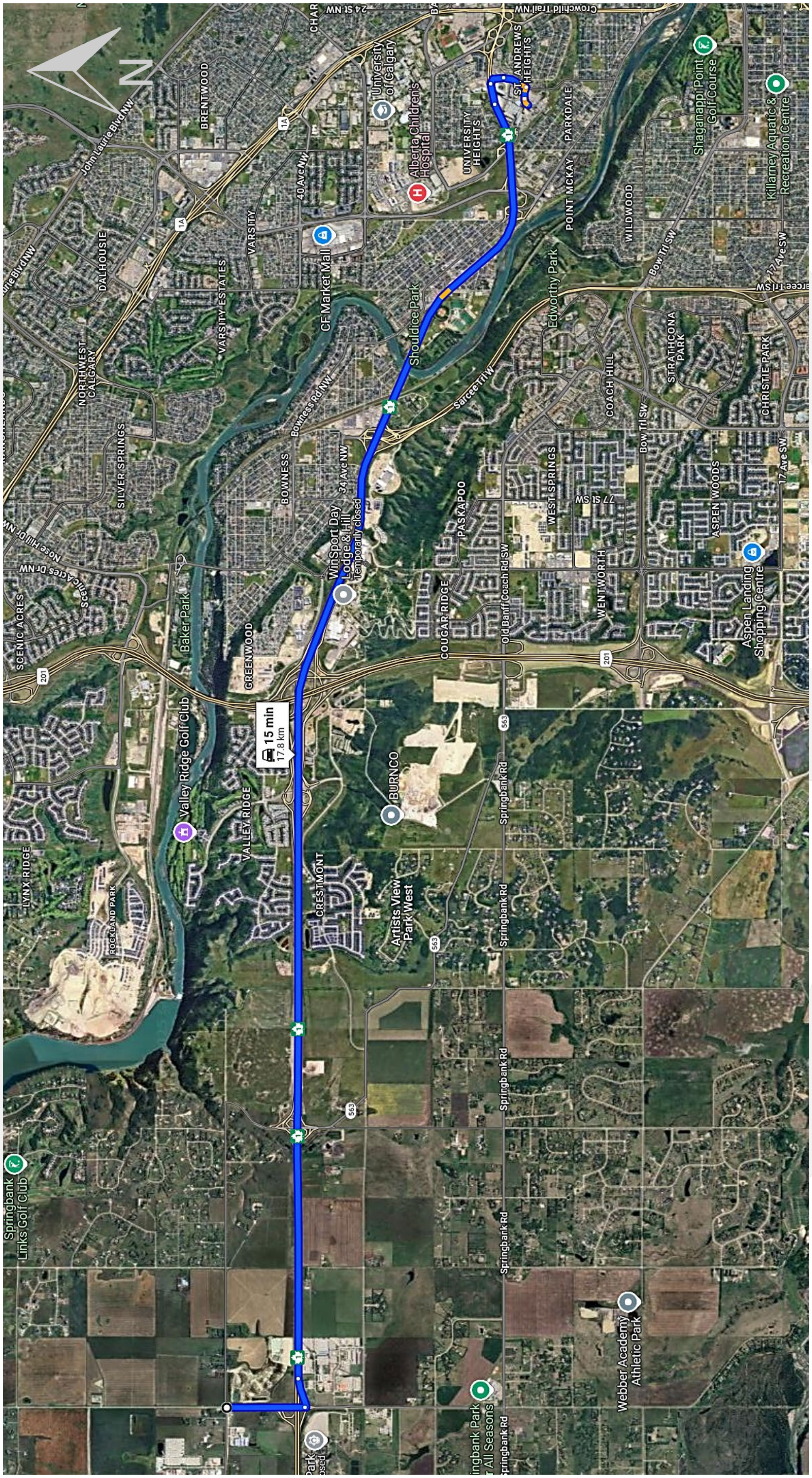
Strategy must conform to TRANS Traffic Accommodation in Work Zones Manual (current edition). Not an all-inclusive list. Additional information may have to be considered & provided on a project-by-project basis.

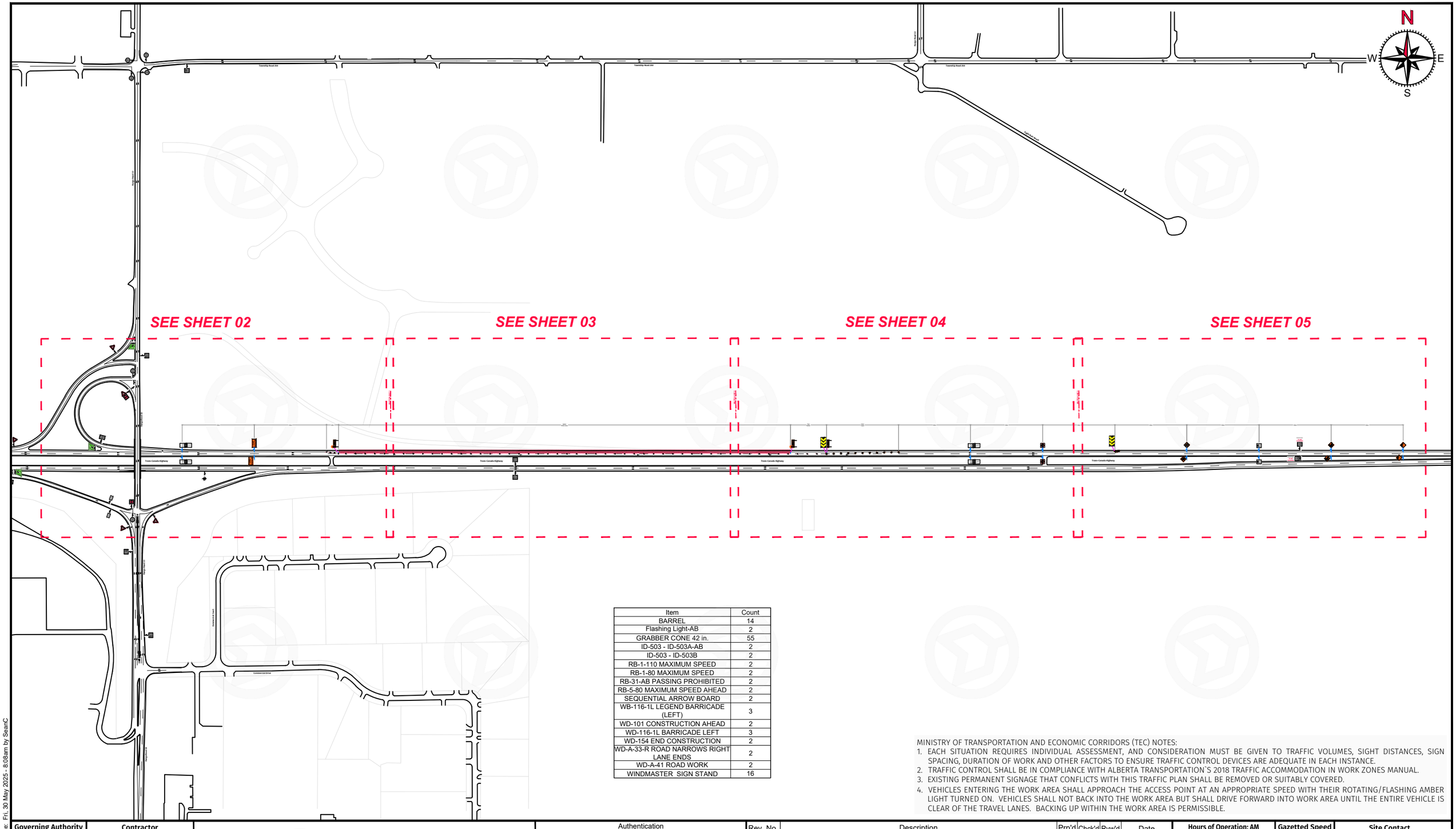
REVIEWED BY

Name Title/Position Date

31. APPENDIX D - Route to Emergency Hospital




15 min
17.8 km
University of Calgary
Alberta Children's Hospital
CF Market Mall
Shouldice Park
Edworthy Park
WinSport Day Lodge & Hill
Valley Ridge Golf Club
Baker Park
BURNCO
Artists View Park West
Shaganappi Point Golf Course
Killarney Aquatic & Recreation Centre
Aspen Landing Shopping Centre
Webber Academy Athletic Park
Springbank Links Golf Club



Item	Count
BARREL	14
Flashing Light-AB	2
GRABBER CONE 42 in.	55
ID-503 - ID-503A-AB	2
ID-503 - ID-503B	2
RB-1-110 MAXIMUM SPEED	2
RB-1-80 MAXIMUM SPEED	2
RB-31-AB PASSING PROHIBITED	2
RB-5-80 MAXIMUM SPEED AHEAD	2
SEQUENTIAL ARROW BOARD	2
WB-116-1L LEGEND BARRICADE (LEFT)	3
WD-101 CONSTRUCTION AHEAD	2
WD-116-1L BARRICADE LEFT	3
WD-154 END CONSTRUCTION	2
WD-A-33-R ROAD NARROWS RIGHT LANE ENDS	2
WD-A-41 ROAD WORK	2
WINDMASTER SIGN STAND	16

MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1A Barrier Placement
Westbound Right Lane Closure
Trans-Canada Highway and Range Rd 33
Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
APR. 21, 2025

End Date
SEP. 30, 2025

Gazetted Speed
MAXIMUM 110

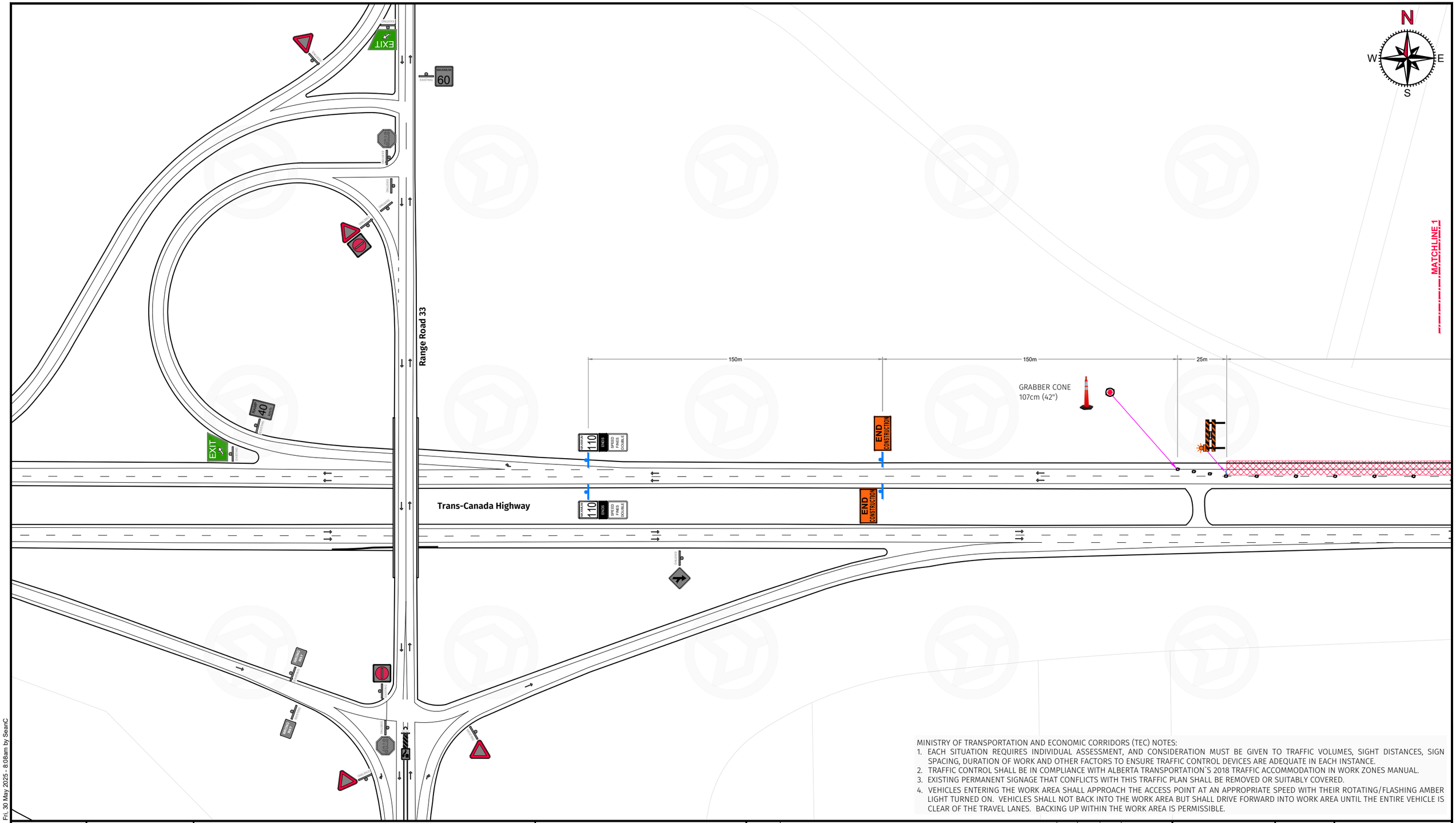
Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
N.T.S.

Drawing No.
49928-D0166323

Sheet
01 of 05



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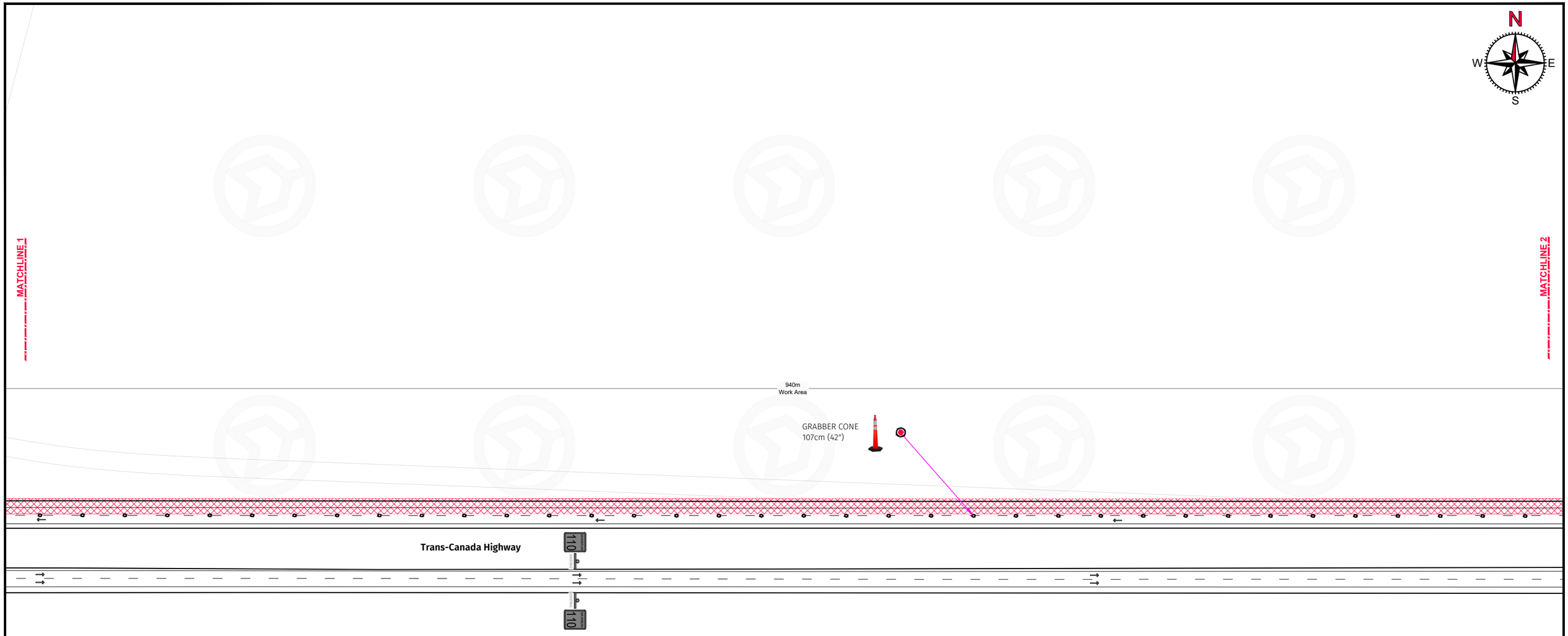

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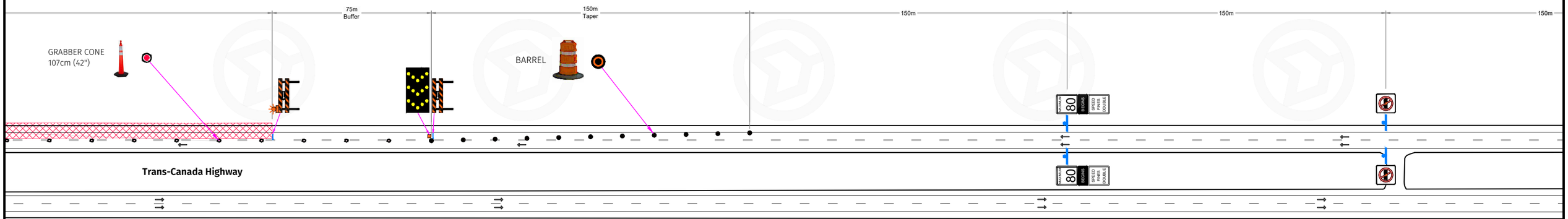
03 of 05

MATCHLINE 2

MATCHLINE 3



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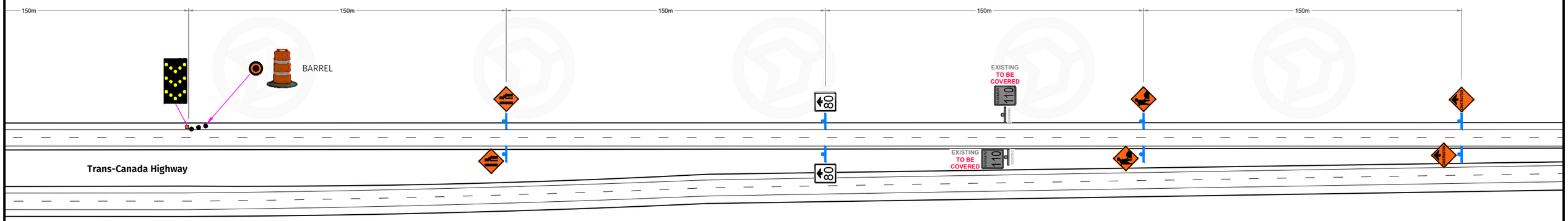
MATCHLINE 3



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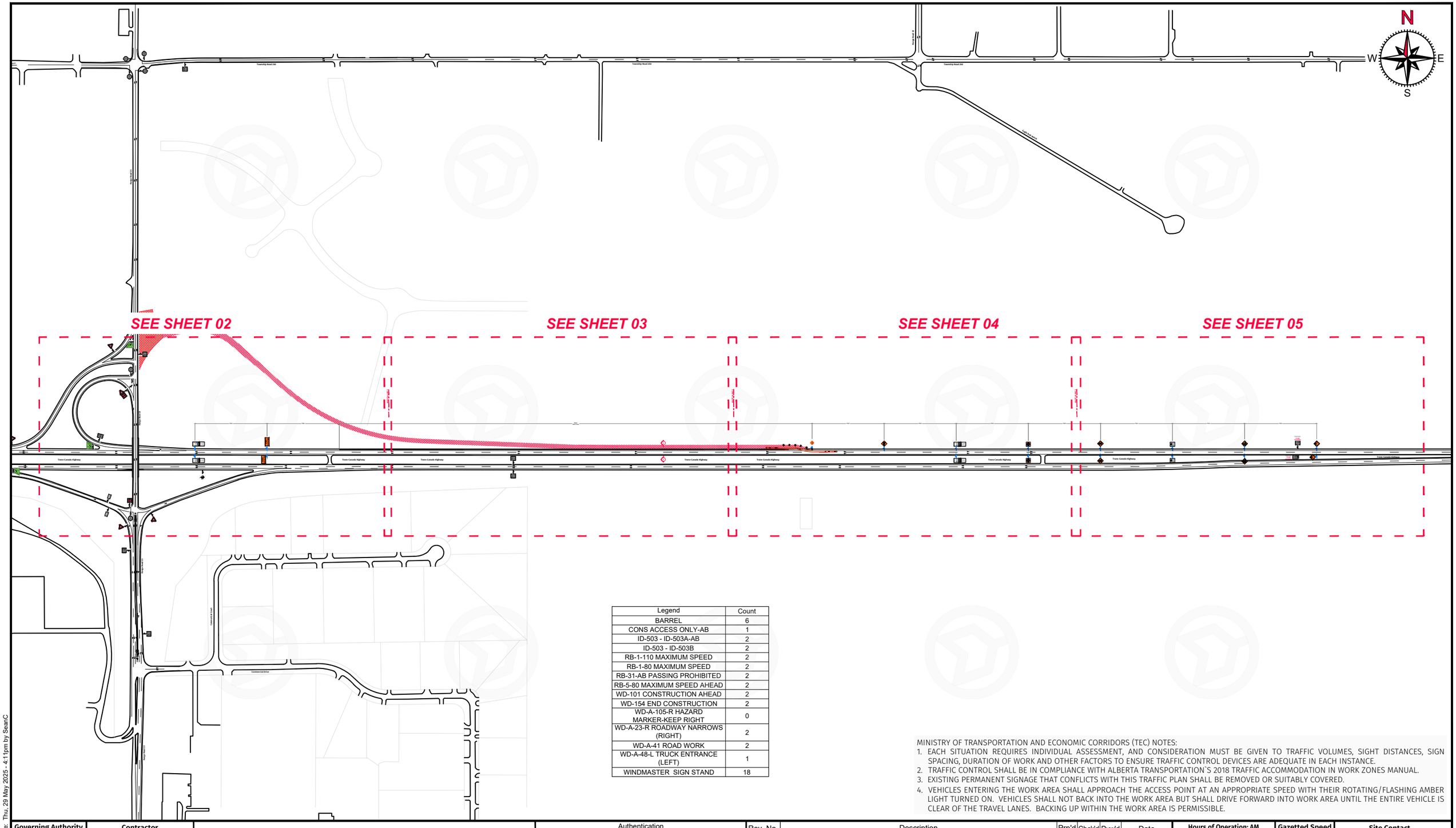

Legend	Count
BARREL	6
CONS ACCESS ONLY-AB	1
ID-503 - ID-503A-AB	2
ID-503 - ID-503B	2
RB-1-110 MAXIMUM SPEED	2
RB-1-80 MAXIMUM SPEED	2
RB-31-AB PASSING PROHIBITED	2
RB-5-80 MAXIMUM SPEED AHEAD	2
WD-101 CONSTRUCTION AHEAD	2
WD-154 END CONSTRUCTION	2
WD-A-105-R HAZARD MARKER-KEEP RIGHT	0
WD-A-23-R ROADWAY NARROWS (RIGHT)	2
WD-A-41 ROAD WORK	2
WD-A-48-L TRUCK ENTRANCE (LEFT)	1
WINDMASTER SIGN STAND	18

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Phase 1B Construction Zone Along Westbound Right Lane Trans-Canada Highway and Range Rd 33 Calgary, Alberta

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Gazetted Speed
MAXIMUM 110

Delineator Spacing
20 meters

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Scale
N.T.S.

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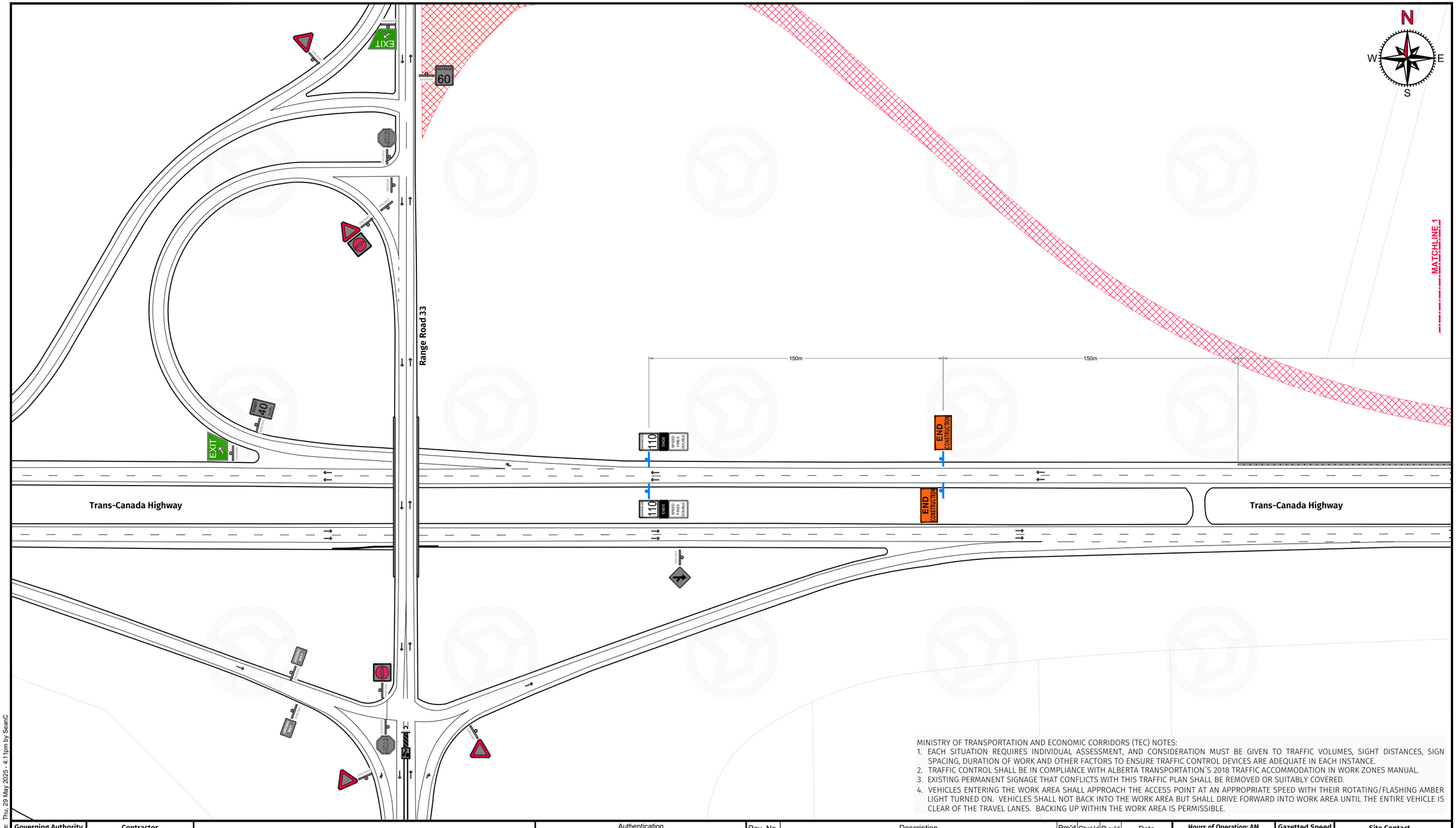

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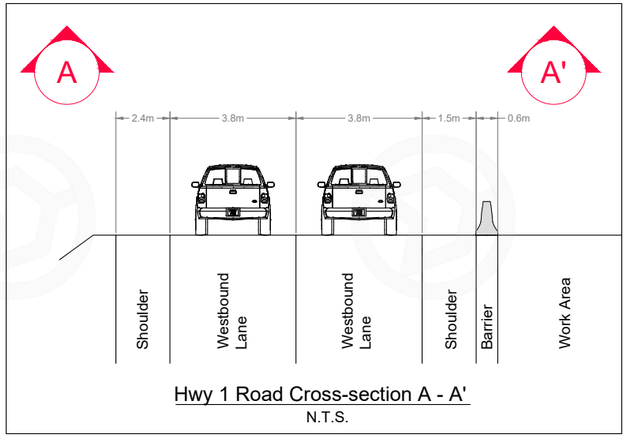

Hwy 1 Road Cross-section A - A'
N.T.S.

N
W
E
S

MATCHLINE 1

MATCHLINE 2

CONCRETE BARRIER
(SEE SHEET 05 FOR DETAIL)

984m
Work Area

A

A'

Trans-Canada Highway

Trans-Canada Highway

110

110

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03 of 06

MATCHLINE 2

MATCHLINE 3

CONCRETE BARRIER
(SEE SHEET 06 FOR DETAIL)

NOTE: ACTIVE SITE ACCESS

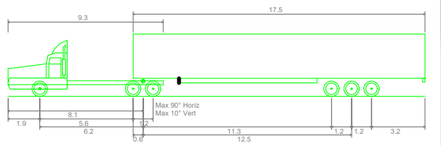
BARREL

150m 150m 150m 150m

Trans-Canada Highway

Trans-Canada Highway

TEMPORARY TL-3 CRASH
CUSHION END TREATMENT
(SEE SHEET 07 FOR DETAIL)



WB-21 - Semitrailer

Overall Length	25.000m
Overall Width	2.600m
Overall Body Height	3.730m
Min Body Ground Clearance	0.435m
Track Width	2.600m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	15.000m

VEHICLE PROFILE

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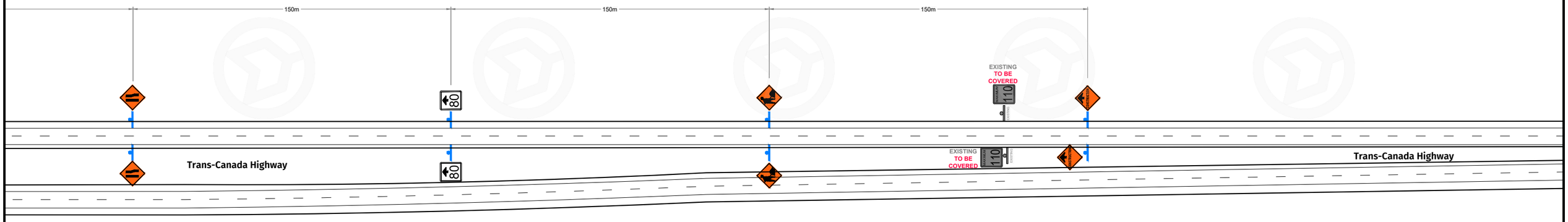

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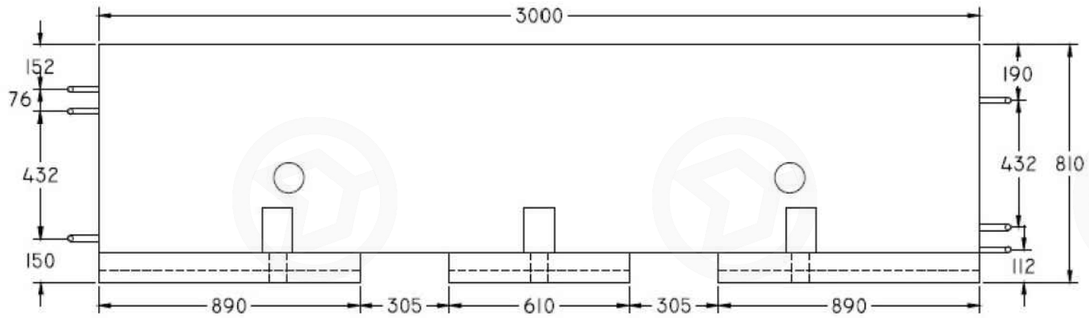
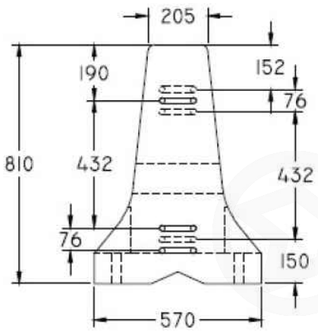
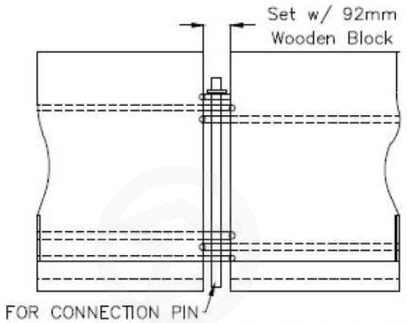


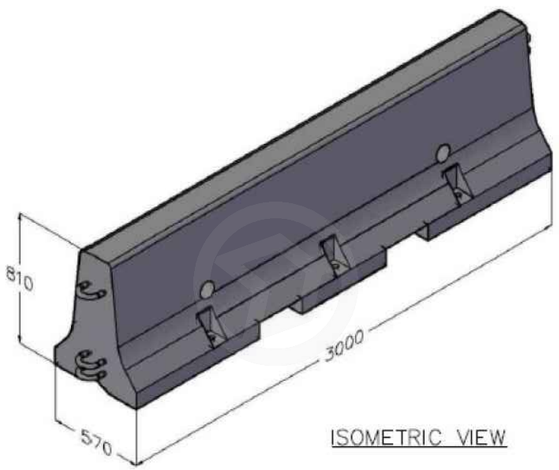
ELEVATION



END VIEW



DETAILS OF BARRIER CONNECTION

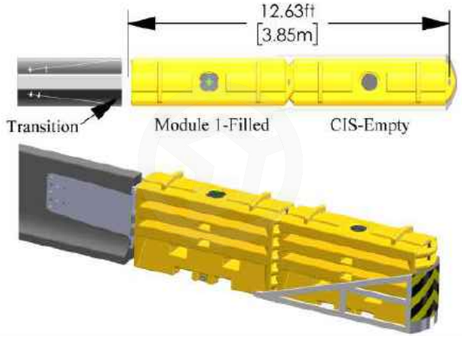


ISOMETRIC VIEW

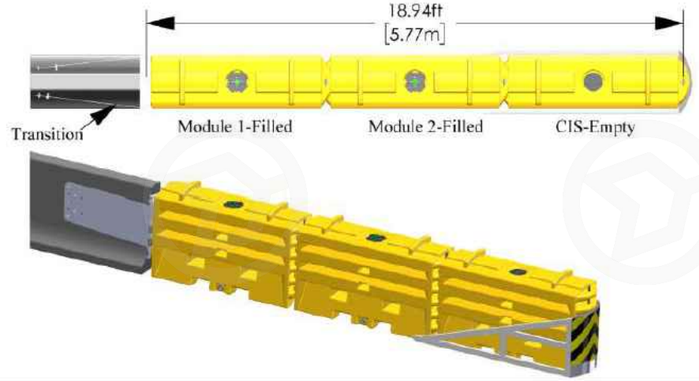
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

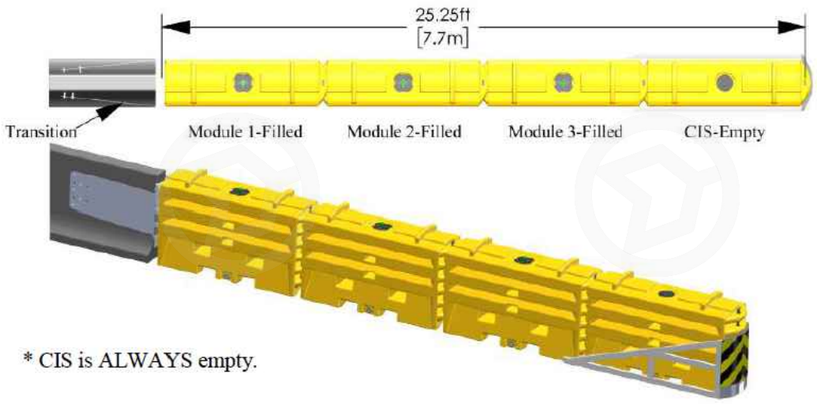
TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



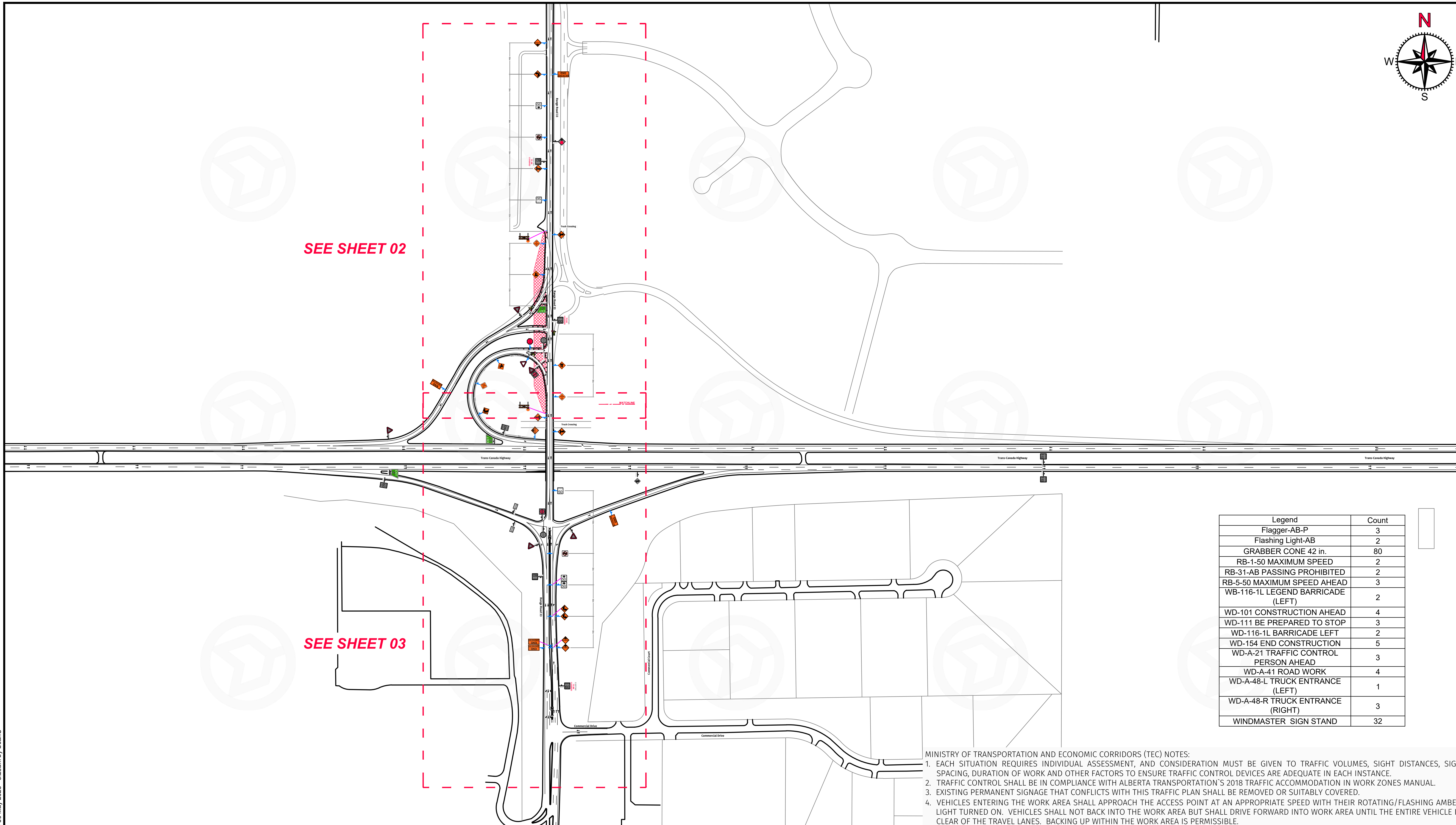
TL-3 Configuration up to 100 km/h (62 mph)



* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority: Ministry of Transportation and Economic Corridors (TEC)	Contractor: SG, A COLAS COMPANY Traffic Design Provider: ATS Traffic, Safety forward	Phase 1B Construction Zone F Shape Barrier Detail and Crash Attenuation Detail Trans-Canada Highway and Range Rd 33 Calgary, Alberta	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	Hours of Operation: AM 09:00 am - 05:00 pm Hours of Operation: PM N/A Start Date APR. 28, 2025 End Date JUL. 31, 2025	Gazetted Speed MAXIMUM 110 Delineator Spacing 20 meters	Site Contact: Kirk Clunie T 403.248.3241 C 403.988.5206 Scale N.T.S. Drawing No. 49928-D0166324	Sheet 06 of 06
					Original Date of Completion	SC	SB	KC	MAR/26/2025				



Legend	Count
Flagger-AB-P	3
Flashing Light-AB	2
GRABBER CONE 42 in.	80
RB-1-50 MAXIMUM SPEED	2
RB-31-AB PASSING PROHIBITED	2
RB-5-50 MAXIMUM SPEED AHEAD	3
WB-116-1L LEGEND BARRICADE (LEFT)	2
WD-101 CONSTRUCTION AHEAD	4
WD-111 BE PREPARED TO STOP	3
WD-116-1L BARRICADE LEFT	2
WD-154 END CONSTRUCTION	5
WD-A-21 TRAFFIC CONTROL PERSON AHEAD	3
WD-A-41 ROAD WORK	4
WD-A-48-L TRUCK ENTRANCE (LEFT)	1
WD-A-48-R TRUCK ENTRANCE (RIGHT)	3
WINDMASTER SIGN STAND	32

MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

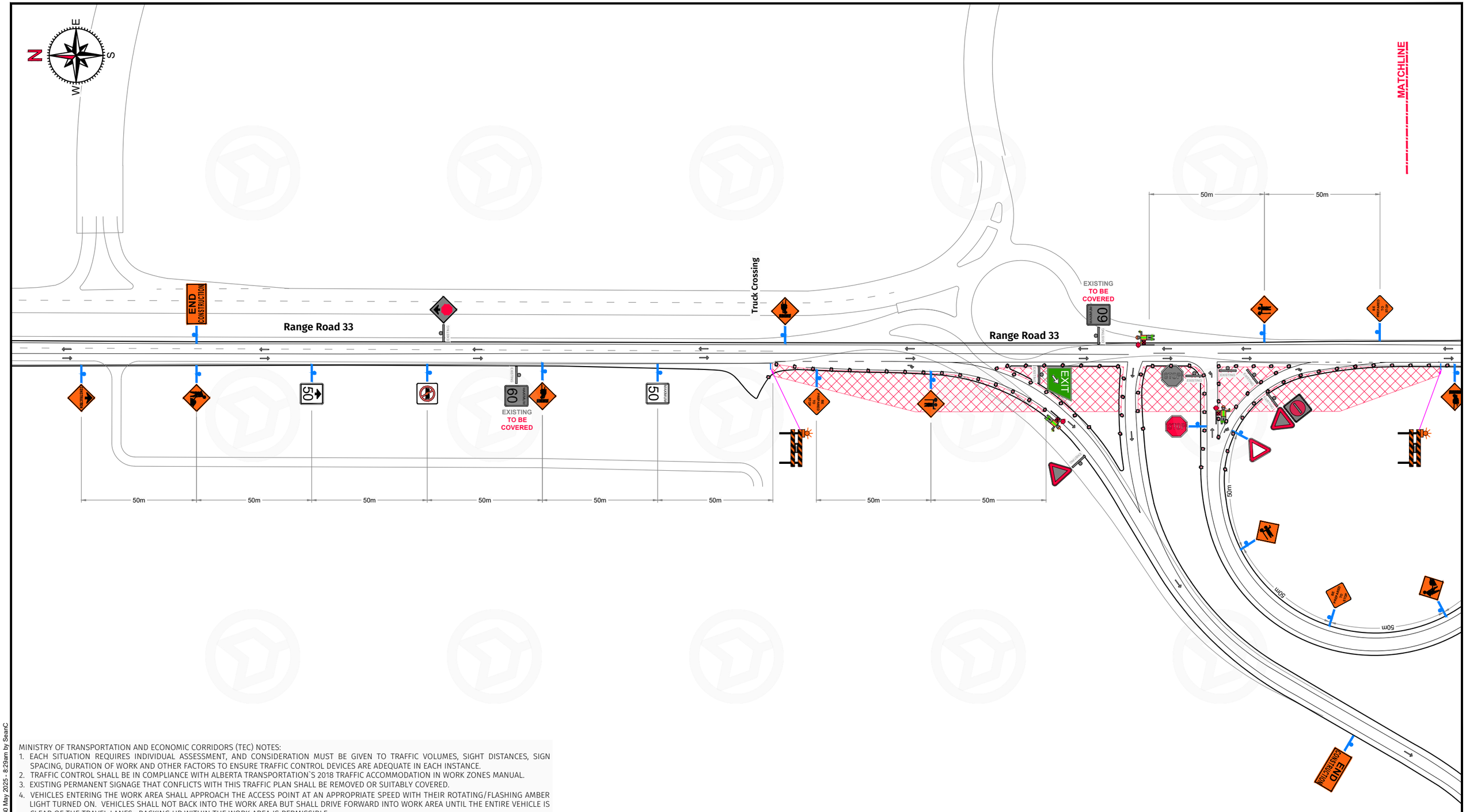
Traffic Design Provider
ATS Traffic — Safety forward

Phase 1C Detour Road Construction
North and Southbound Lane Closure
Range Rd 33 and Trans-Canada Highway
Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM 09:00 am - 05:00 pm
Hours of Operation: PM N/A
Start Date MAY 12, 2025
End Date MAY 31, 2025
Gazetted Speed MAXIMUM 60
Delineator Spacing 12 meters
Site Contact Kirk Clunie T 403.248.3241 C 403.988.5206
Scale 1:1500
Drawing No. 49928-D0166325
Sheet 01 of 03



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1C Detour Road Construction North and Southbound Lane Closure Range Rd 33 and Trans-Canada Highway Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
MAY 12, 2025

End Date
MAY 31, 2025

Gazetted Speed
MAXIMUM 60

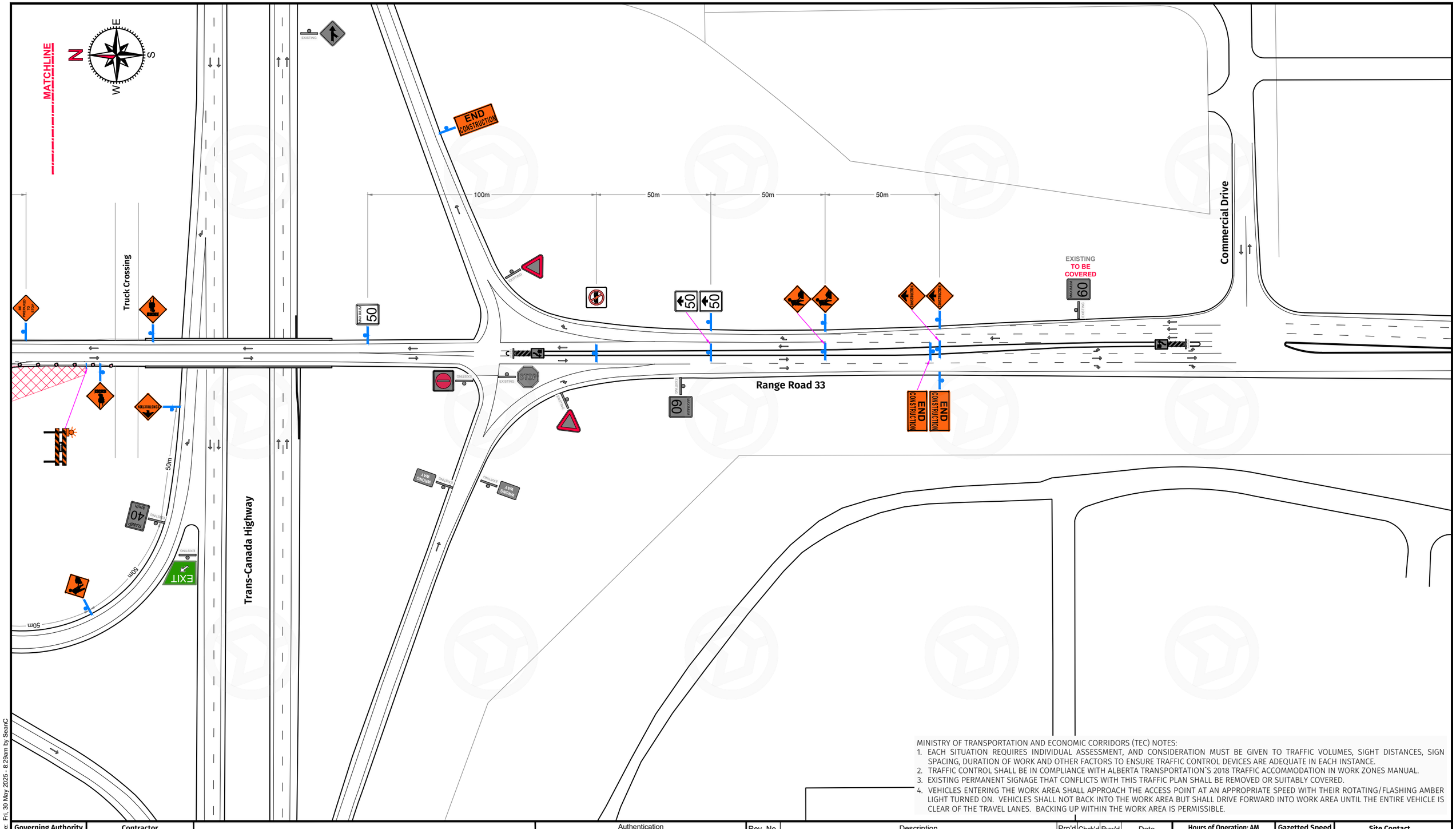
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0166325

Sheet
02 of 03



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1C Detour Road Construction
North and Southbound Lane Closure
Range Rd 33 and Trans-Canada Highway
Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
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09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
MAY 12, 2025

End Date
MAY 31, 2025

Gazetted Speed
MAXIMUM 60

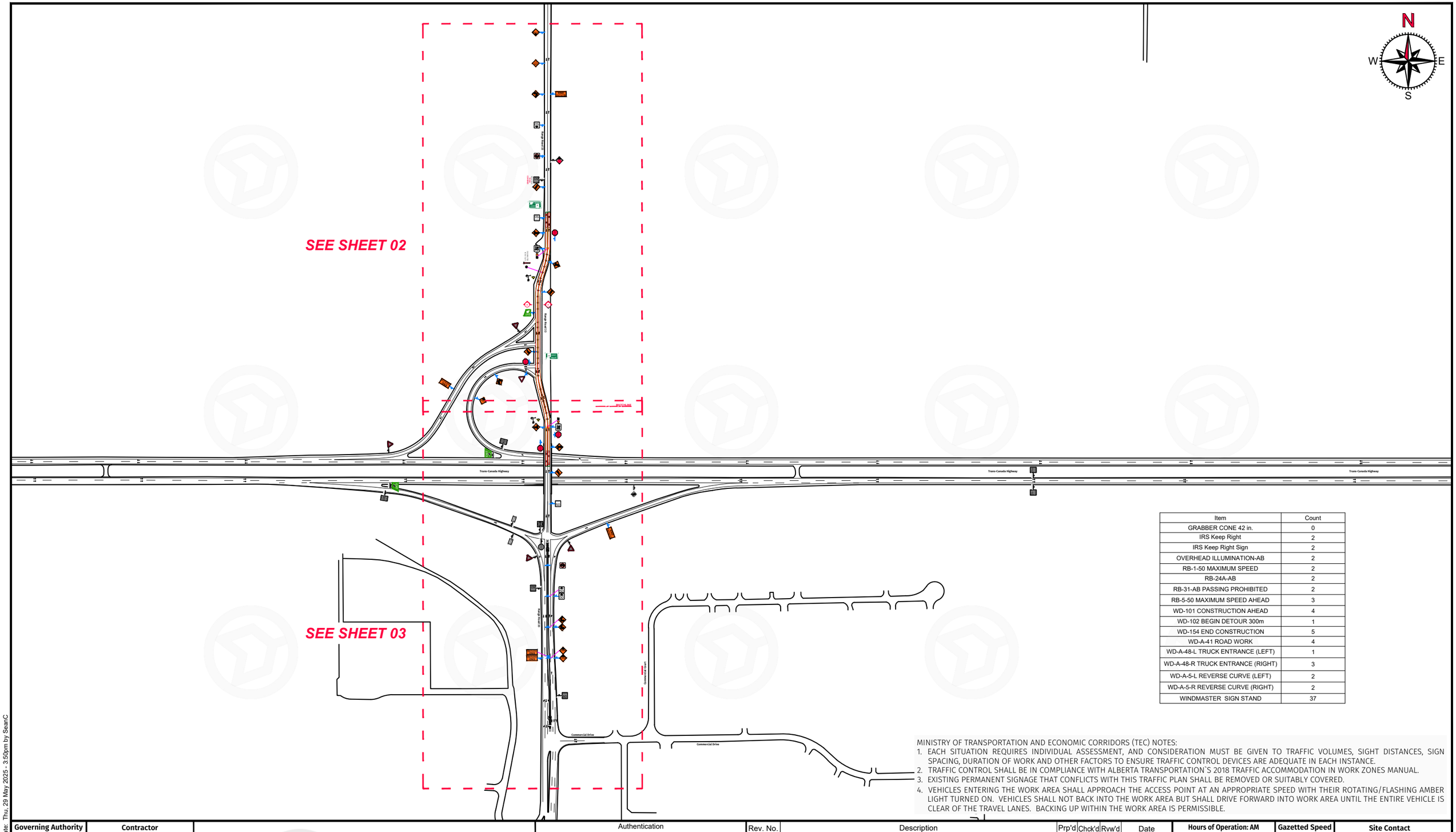
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0166325

Sheet
03 of 03



Item	Count
GRABBER CONE 42 in.	0
IRS Keep Right	2
IRS Keep Right Sign	2
OVERHEAD ILLUMINATION-AB	2
RB-1-50 MAXIMUM SPEED	2
RB-24A-AB	2
RB-31-AB PASSING PROHIBITED	2
RB-5-50 MAXIMUM SPEED AHEAD	3
WD-101 CONSTRUCTION AHEAD	4
WD-102 BEGIN DETOUR 300m	1
WD-154 END CONSTRUCTION	5
WD-A-41 ROAD WORK	4
WD-A-48-L TRUCK ENTRANCE (LEFT)	1
WD-A-48-R TRUCK ENTRANCE (RIGHT)	3
WD-A-5-L REVERSE CURVE (LEFT)	2
WD-A-5-R REVERSE CURVE (RIGHT)	2
WINDMASTER SIGN STAND	37

MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
A COLAS COMPANY

Traffic Design Provider
ATS Traffic
Safety forward

Phase 1D Detour Road
North and Southbound Lane Closure
Range Rd 33 and Trans-Canada Highway
Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
MAY 12, 2025

End Date
MAY 31, 2025

Gazetted Speed
MAXIMUM 60

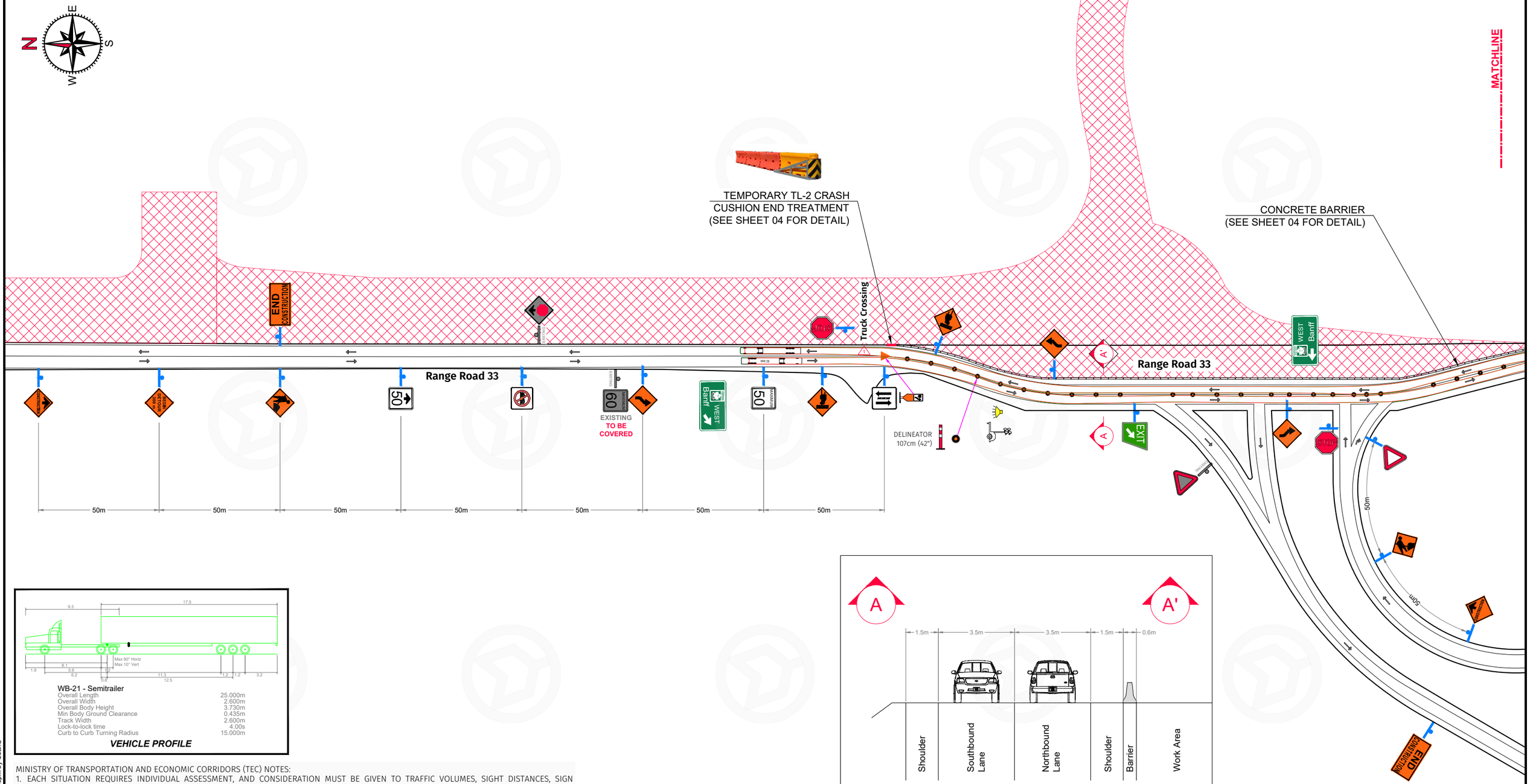
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0166326

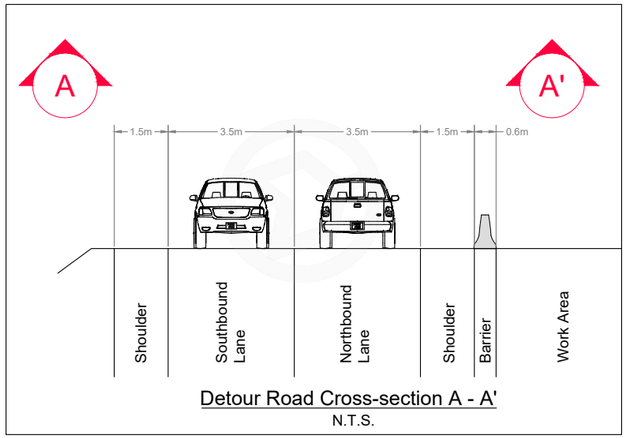
Sheet
01 of 04



WB-21 - Semitrailer

Overall Length	25.000m
Overall Width	2.600m
Overall Body Height	3.730m
Min Body Ground Clearance	0.435m
Track Width	2.600m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	15.000m

VEHICLE PROFILE



Detour Road Cross-section A - A'
N.T.S.

MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1D Detour Road
North and Southbound Lane Closure
Range Rd 33 and Trans-Canada Highway
Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
MAY 12, 2025

End Date
MAY 31, 2025

Gazetted Speed
MAXIMUM 60

Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0166326

Sheet
02 of 04

MATCHLINE

TEMPORARY TL-2 CRASH CUSHION END TREATMENT (SEE SHEET 04 FOR DETAIL)

50m 50m 100m 50m 50m 50m

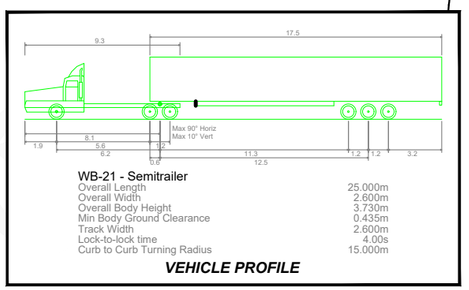
Truck Crossing

END CONSTRUCTION

Commercial Drive

Range Road 33

Trans-Canada Highway



WB-21 - Semitrailer

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Overall Width	2.600m
Overall Body Height	3.730m
Min Body Ground Clearance	0.435m
Track Width	2.600m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	15.000m

VEHICLE PROFILE

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Traffic Design Provider
ATS Traffic
Safety forward

Phase 1D Detour Road
North and Southbound Lane Closure
Range Rd 33 and Trans-Canada Highway
Calgary, Alberta

Authentication

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Hours of Operation: PM
N/A

Start Date
MAY 12, 2025

End Date
MAY 31, 2025

Gazetted Speed
MAXIMUM 60

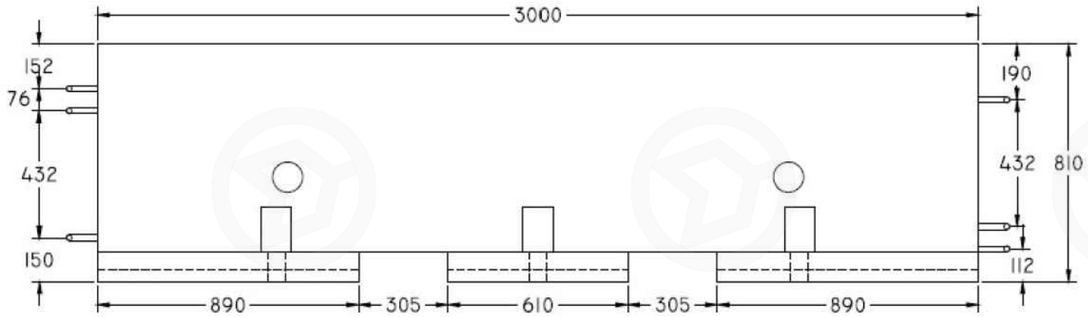
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

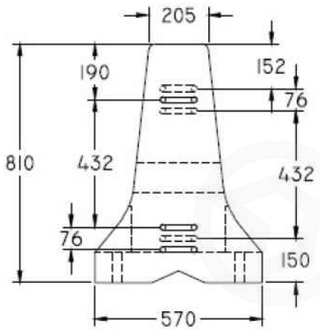
Scale
1:1500

Drawing No.
49928-D0166326

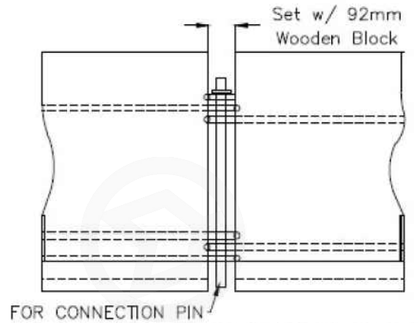
Sheet
03 of 04



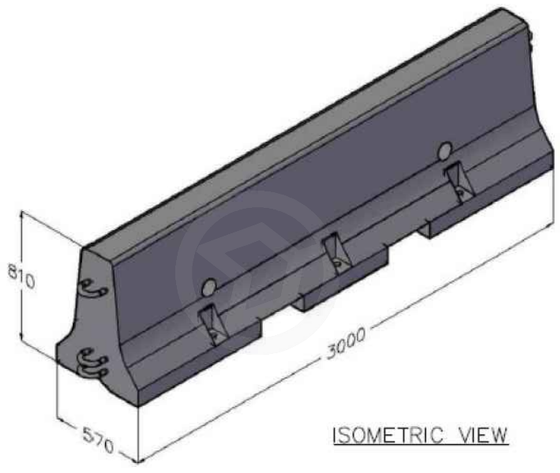
ELEVATION



END VIEW



DETAILS OF BARRIER CONNECTION

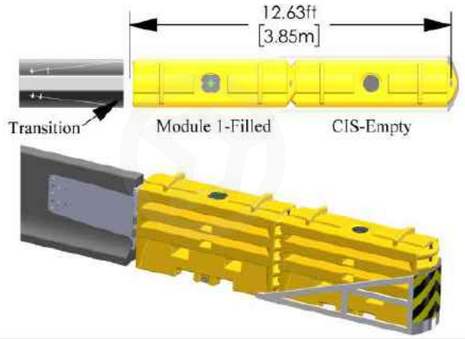


ISOMETRIC VIEW

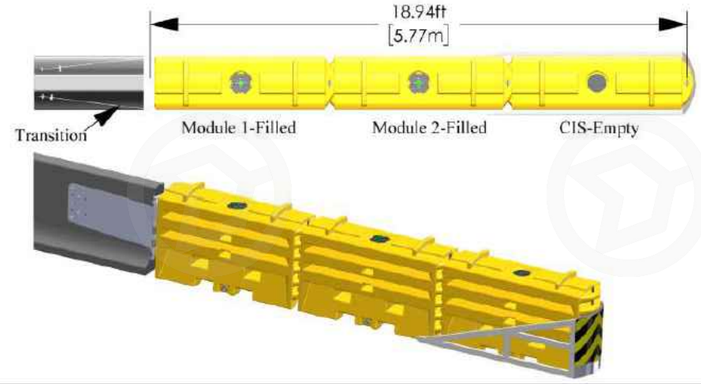
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

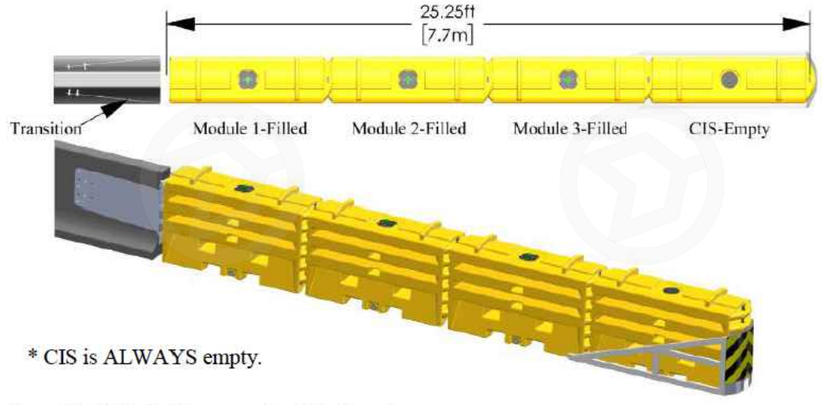
TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



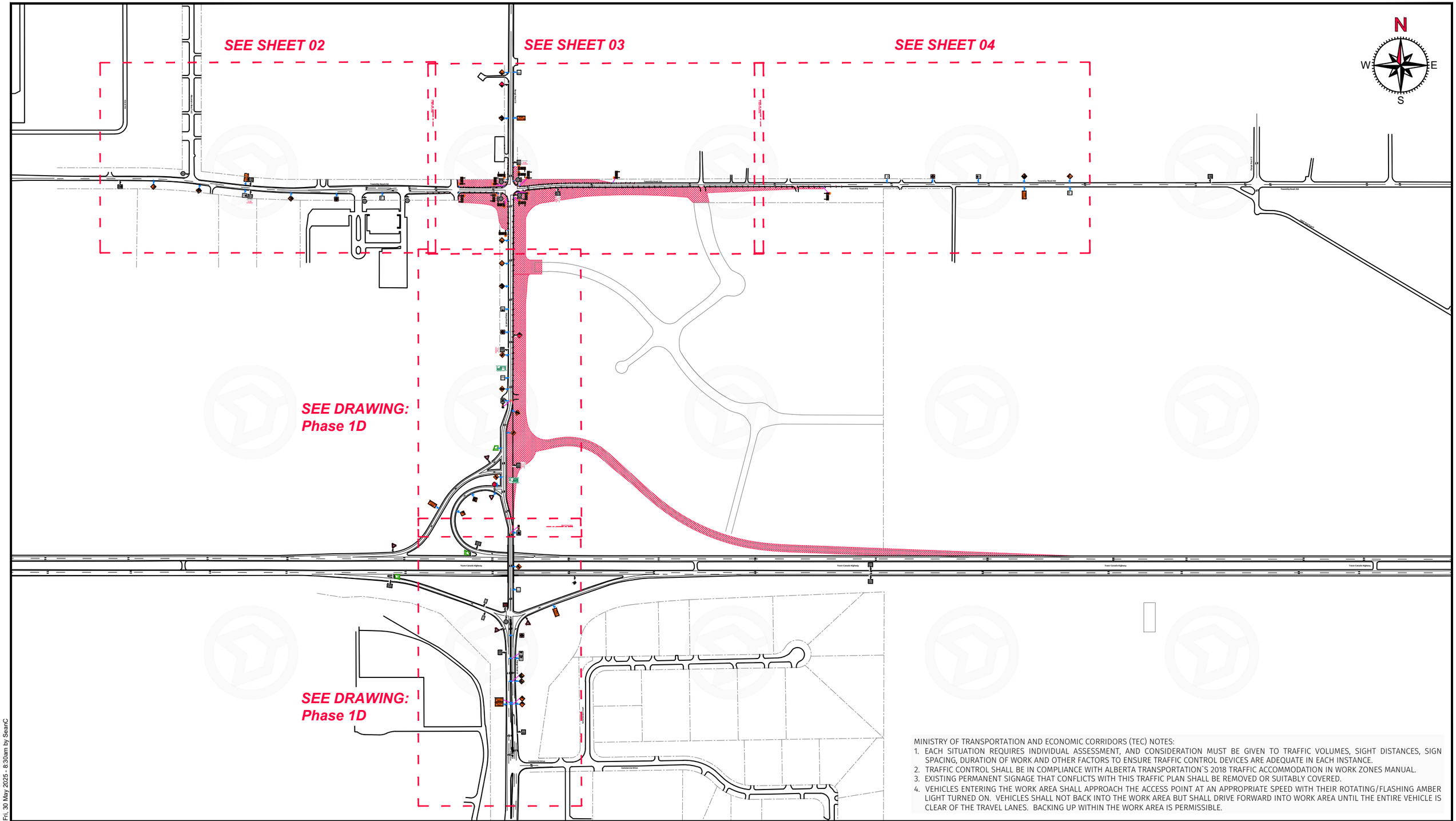
TL-3 Configuration up to 100 km/h (62 mph)



* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority: Ministry of Transportation and Economic Corridors (TEC)	Contractor: SG A COLAS COMPANY Traffic Design Provider: ATS Traffic Safety forward	Phase 1D Detour Road F Shape Barrier Detail and Crash Attenuation Detail Range Rd 33 and Trans-Canada Highway Calgary, Alberta	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	Hours of Operation: AM 09:00 am - 05:00 pm Hours of Operation: PM N/A Start Date MAY 12, 2025 End Date MAY 31, 2025	Gazetted Speed MAXIMUM 60 Delineator Spacing 12 meters	Site Contact: Kirk Clunie T 403.248.3241 C 403.988.5206 Scale N.T.S. Drawing No. 49928-D0166326 Sheet 03 of 04
					Original Date of Completion	SC	SB	KC	MAR/26/2025			



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1E Detour Road Construction West and Eastbound Lane Closure Range Rd 33 and Township Rd 250 Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
JUNE 01, 2025

End Date
JUNE 21, 2025

Gazetted Speed
MAXIMUM 80

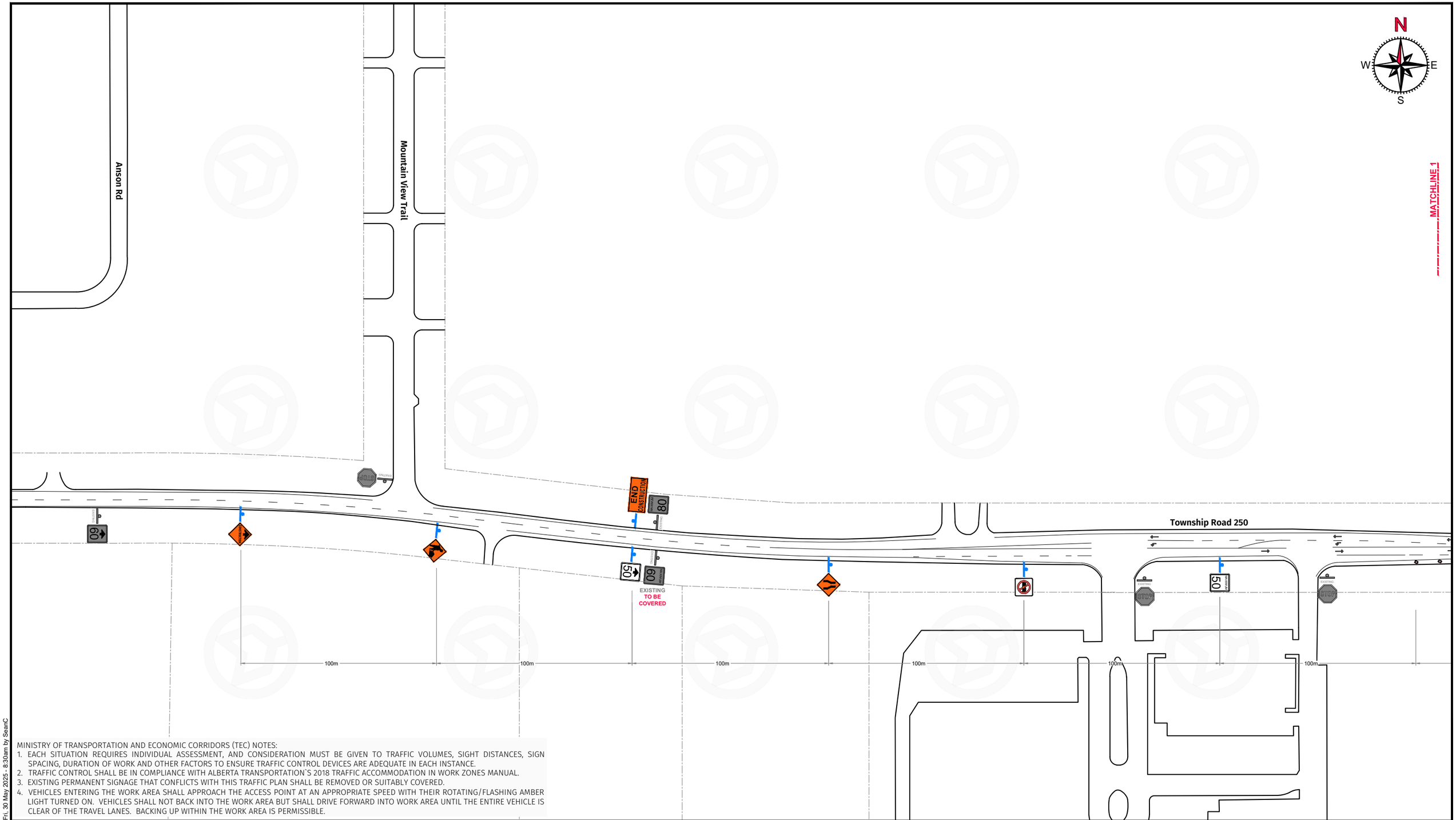
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0167269

Sheet
01 of 04



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1E Detour Road Construction West and Eastbound Lane Closure Range Rd 33 and Township Rd 250 Calgary, Alberta

Authentication

Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date
	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
JUNE 01, 2025

End Date
JUNE 21, 2025

Gazetted Speed
MAXIMUM 80

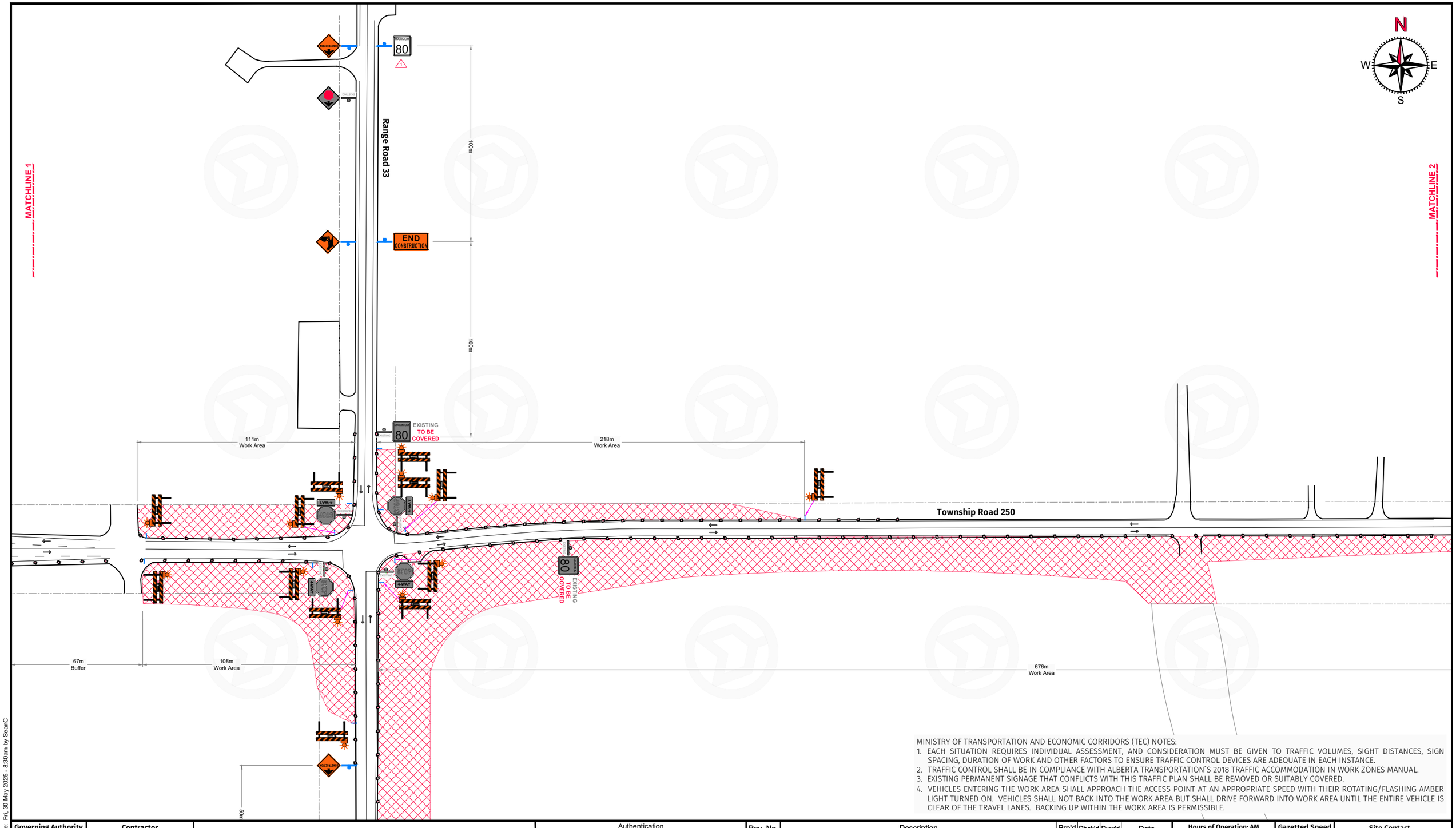
Delineator Spacing
12 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0167269

Sheet
02 of 04



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 1E Detour Road Construction West and Eastbound Lane Closure Range Rd 33 and Township Rd 250 Calgary, Alberta

Authentication

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	Original Date of Completion	SC	SB	KC	MAR/26/2025

Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
JUNE 01, 2025

End Date
JUNE 21, 2025

Gazetted Speed
MAXIMUM 80

Delineator Spacing
12 meters

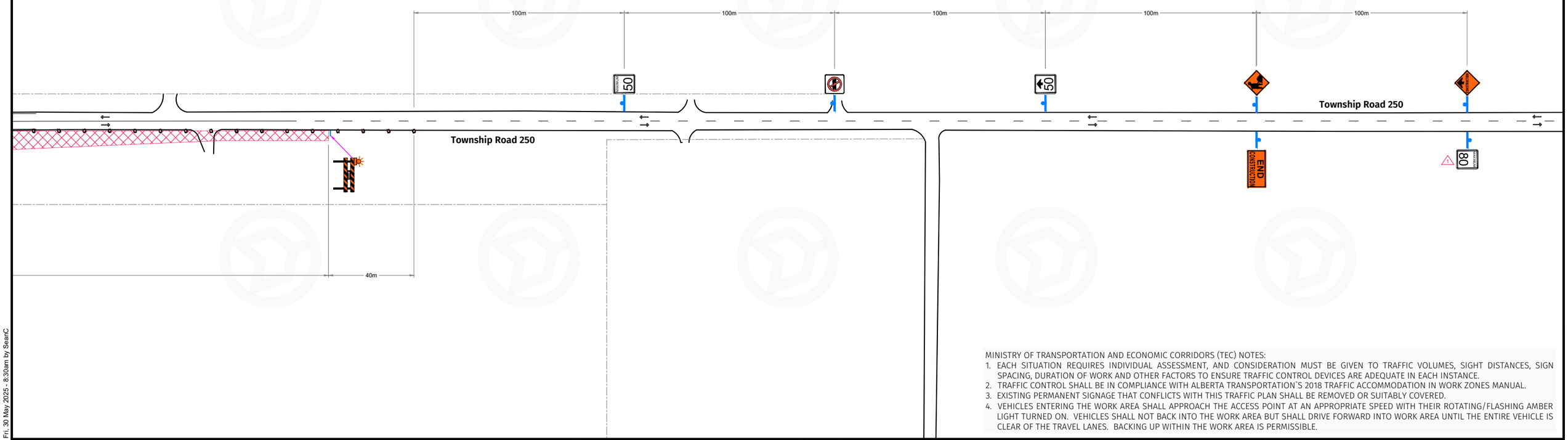
Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1500

Drawing No.
49928-D0167269

Sheet
03 of 04

MATCHLINE 2



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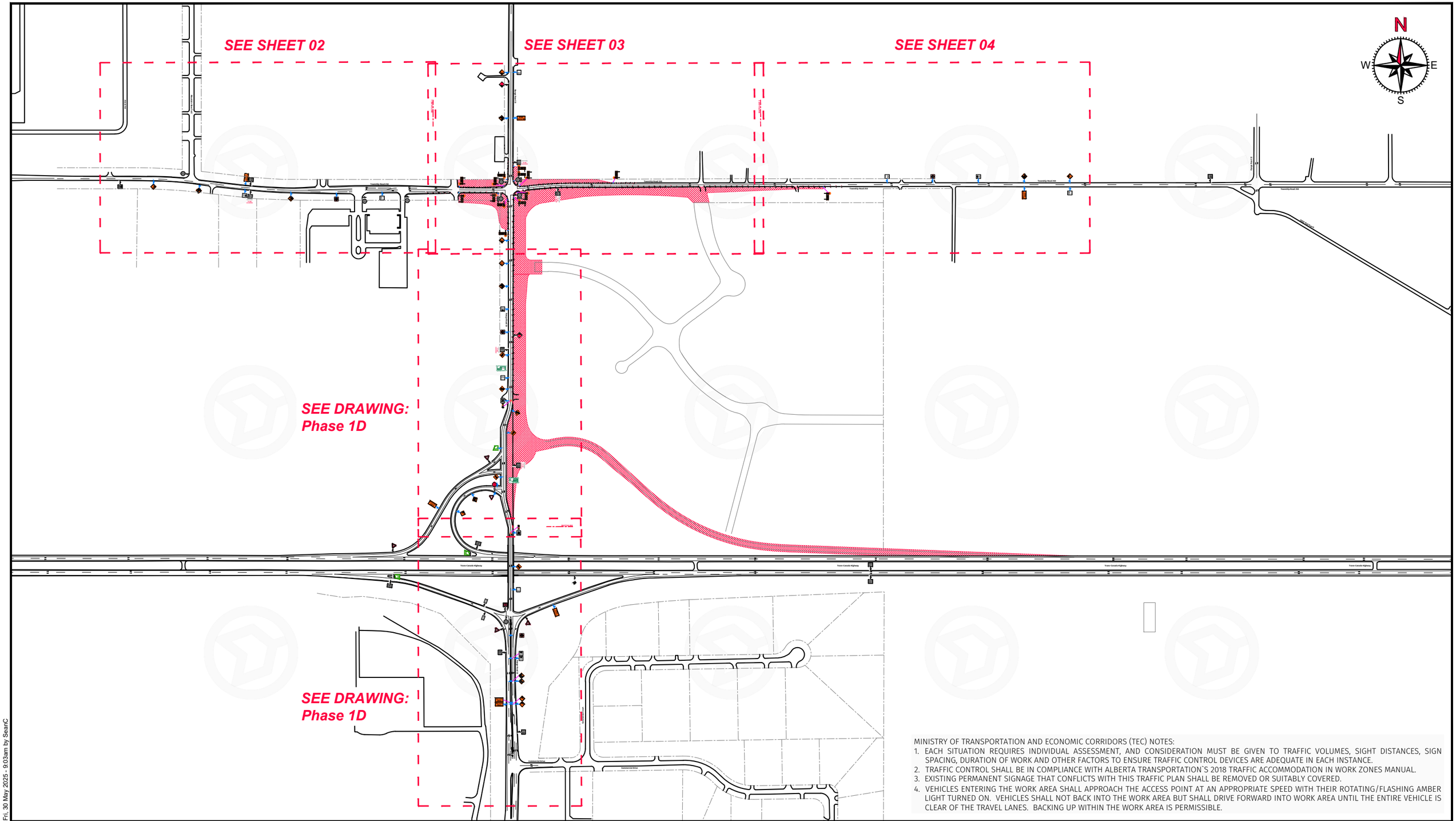

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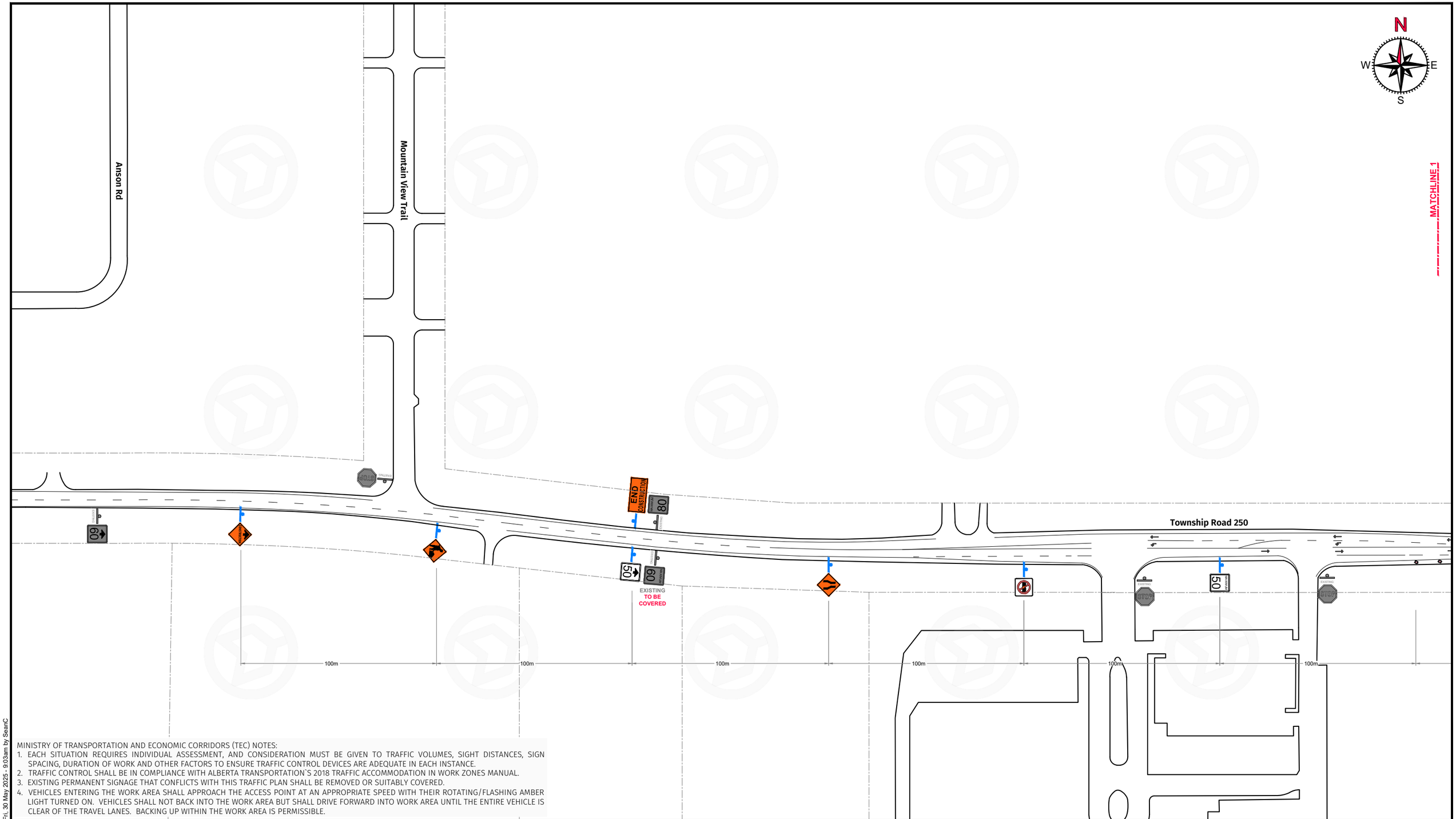

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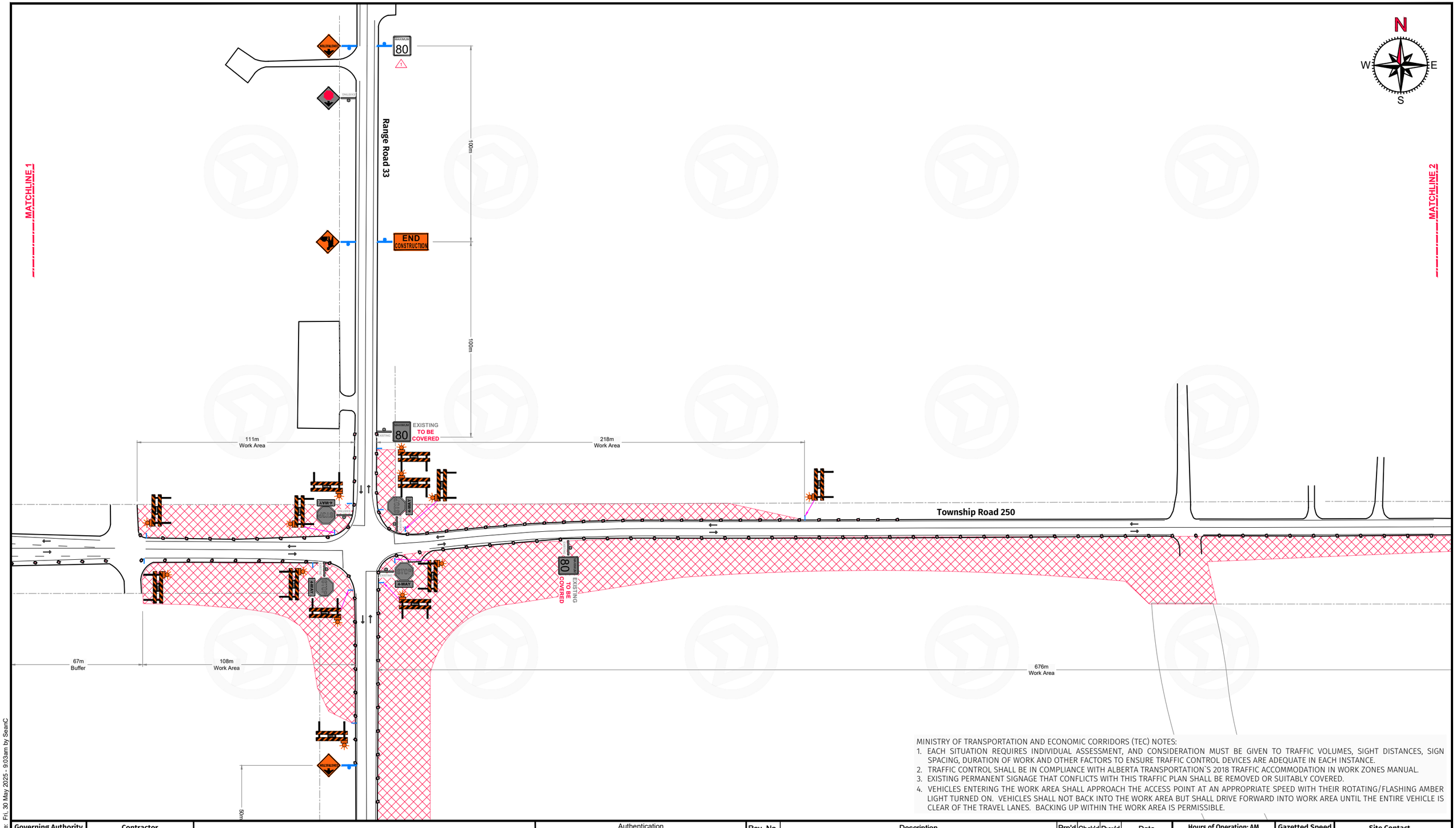

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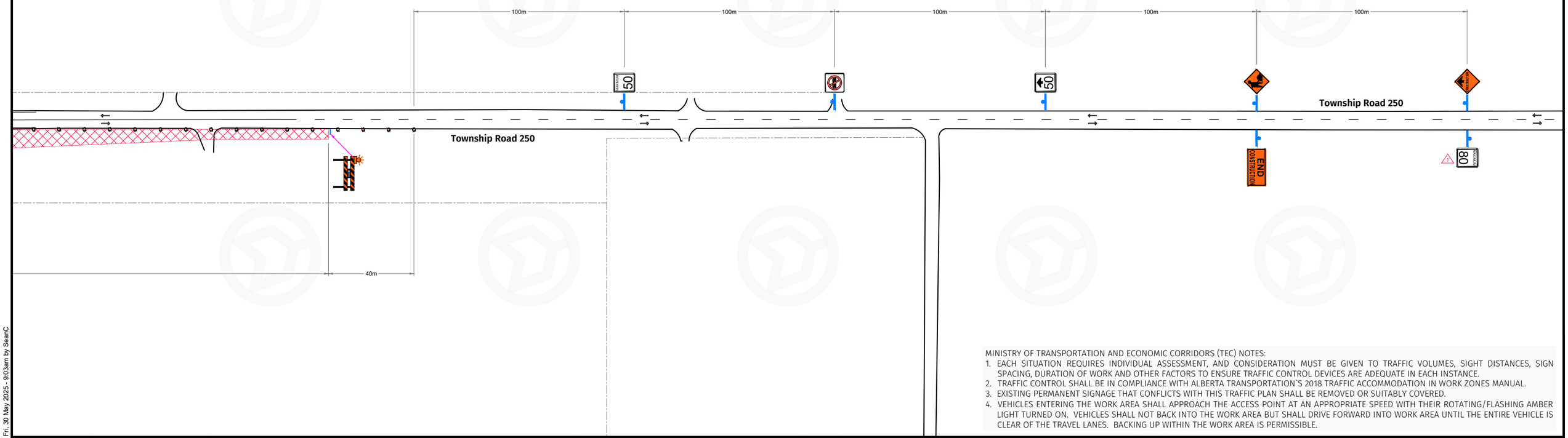

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ATS Traffic — Safety forward

Phase 1E Detour Road Construction West and Eastbound Lane Closure Range Rd 33 and Township Rd 250 Calgary, Alberta

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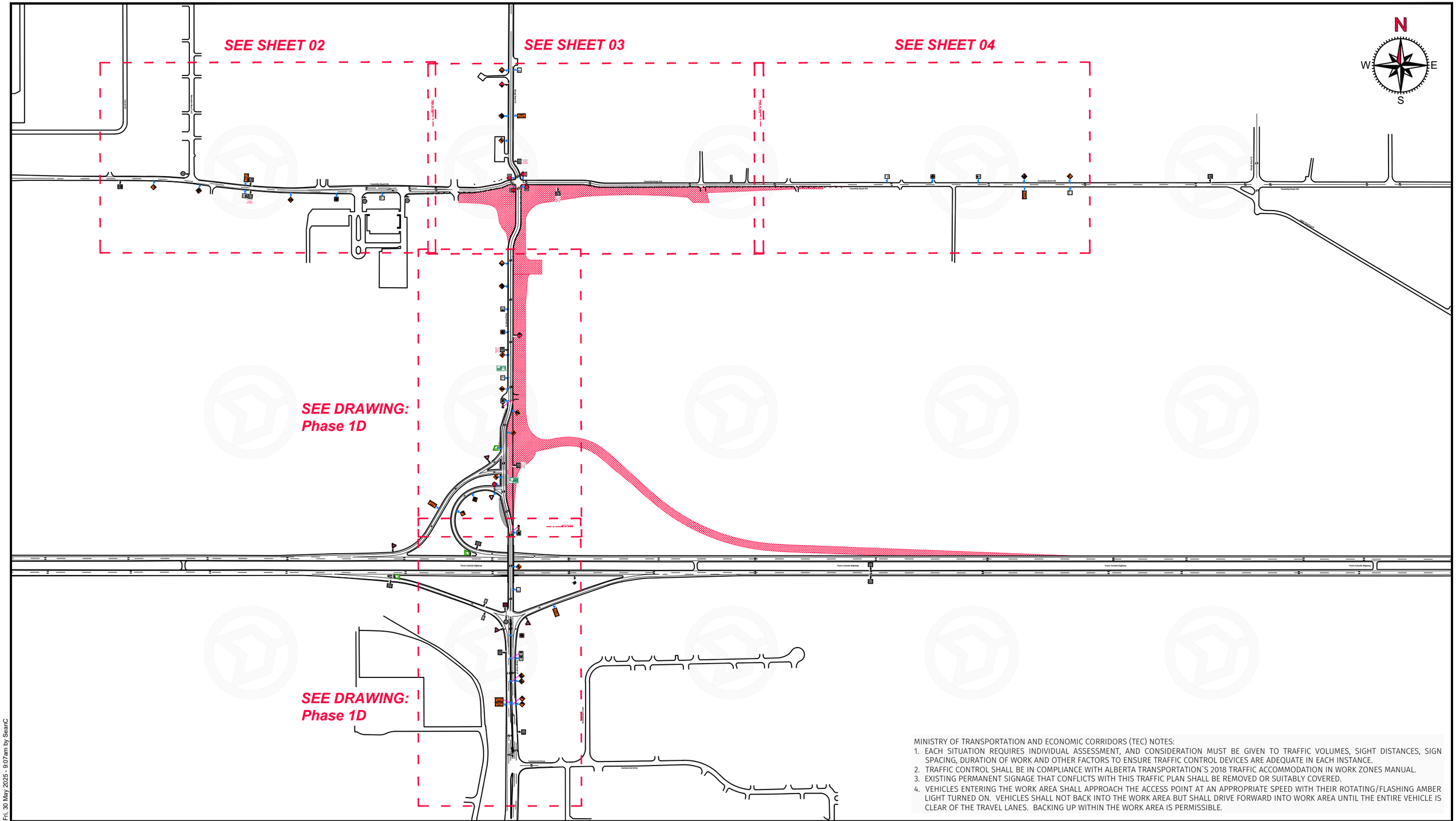

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Contractor
A COLAS COMPANY

Traffic Design Provider
ATS Traffic
Safety forward

Phase 1G Detour Road
North and Southbound Lane Realignment
Range Rd 33 and Township Rd 250
Calgary, Alberta

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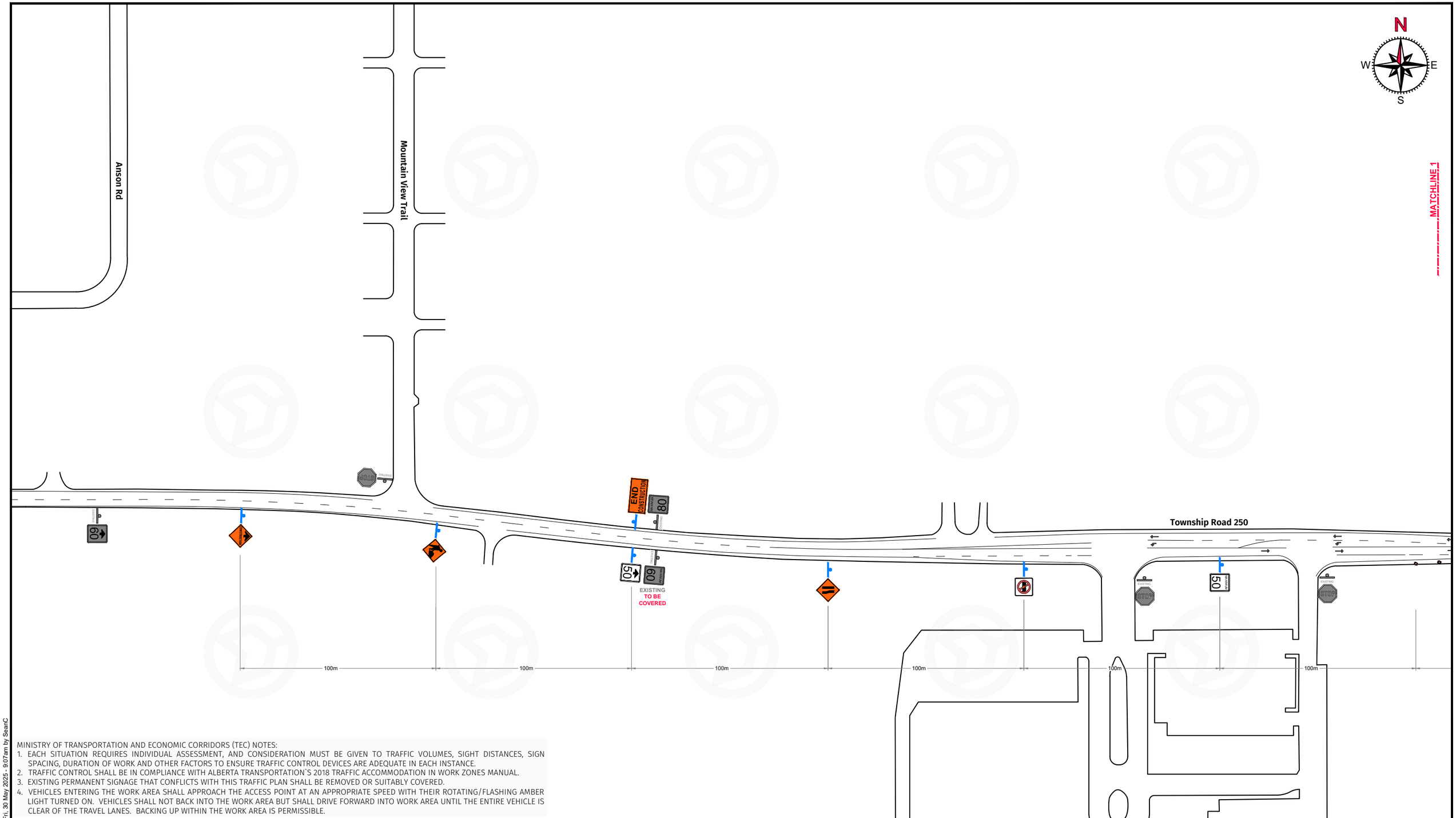

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Contractor
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Traffic Design Provider
ATS Traffic — Safety forward

Phase 1G Detour Road
North and Southbound Lane Realignment
Range Rd 33 and Township Rd 250
Calgary, Alberta

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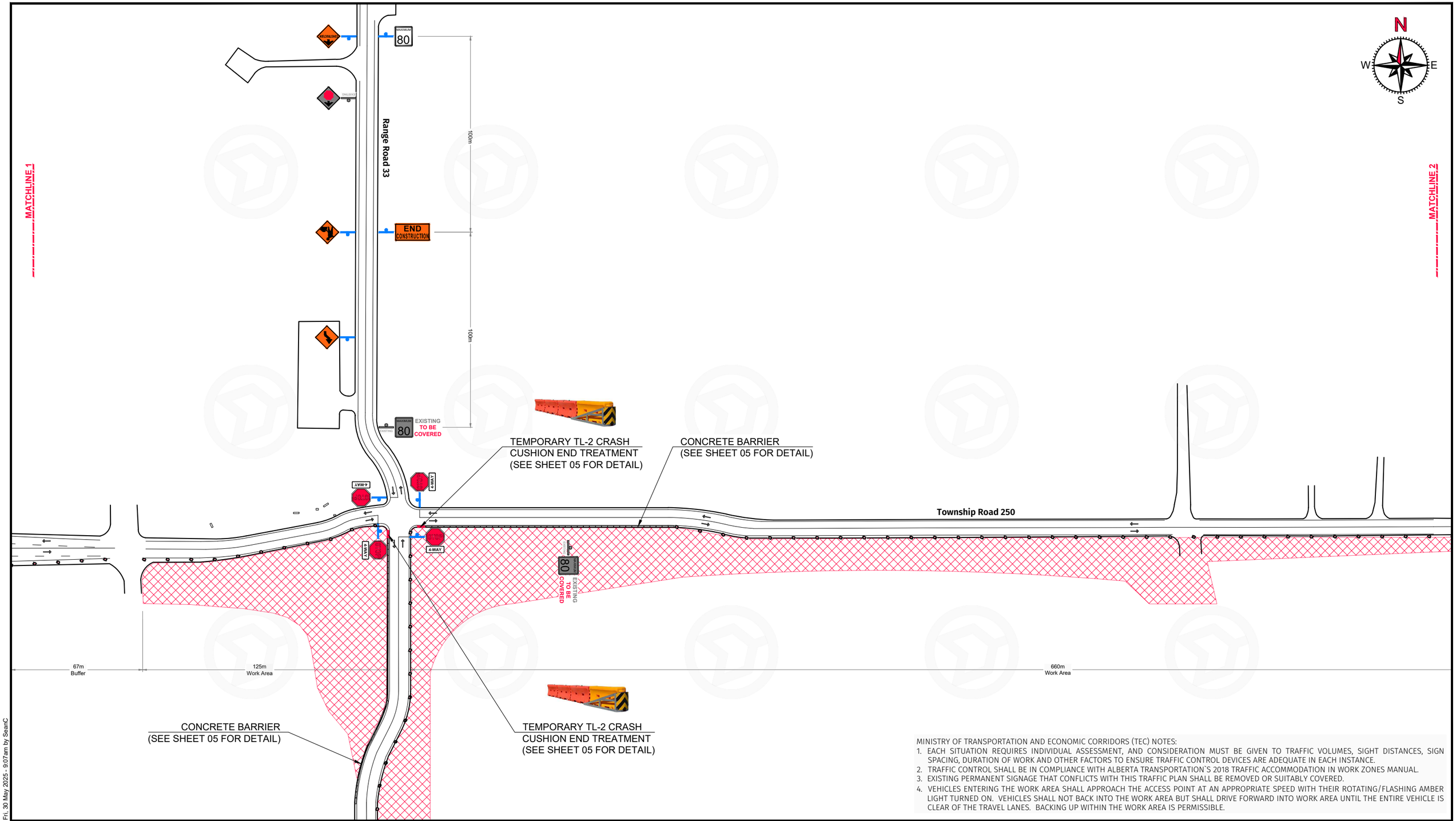

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ATS Traffic — Safety forward

Phase 1G Detour Road
North and Southbound Lane Realignment
Range Rd 33 and Township Rd 250
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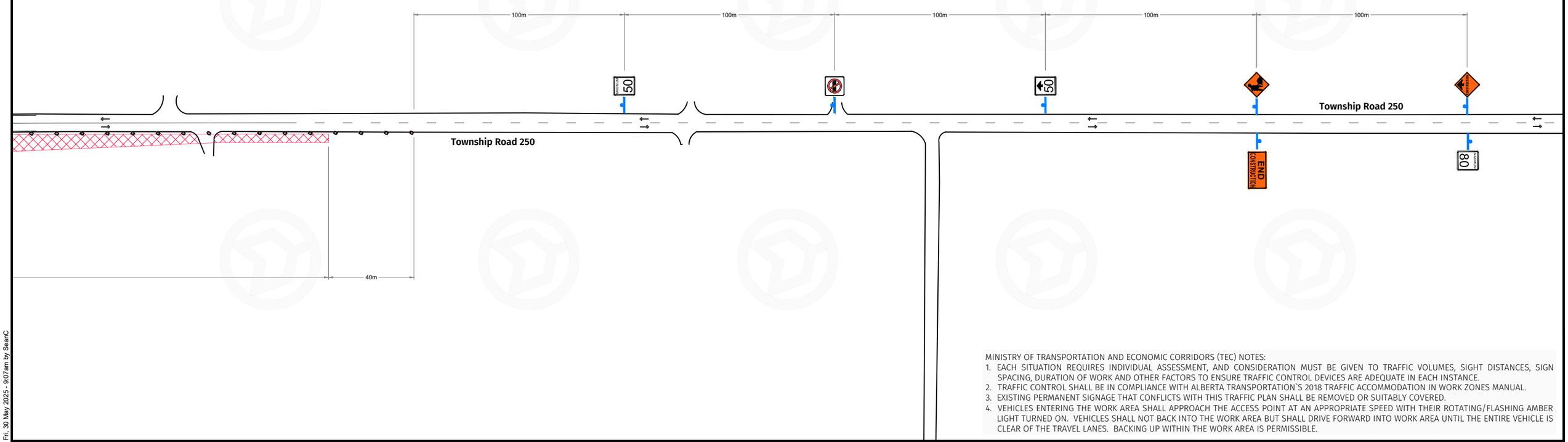

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Governing Authority	**Contractor**	**Phase 1G Detour Road**	Authentication
Ministry of Transportation and Economic Corridors (TEC)	SG A COLAS COMPANY	**North and Southbound Lane Realignment**	
	Traffic Design Provider	**Range Rd 33 and Township Rd 250**	
	ATS Traffic Safety forward	**Calgary, Alberta**	

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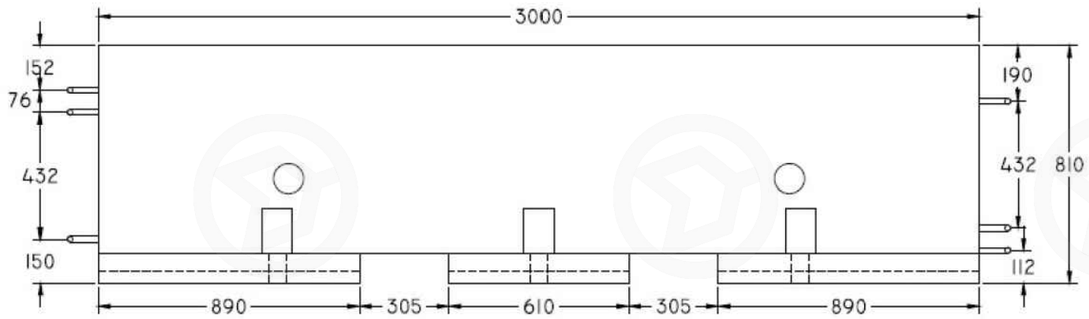
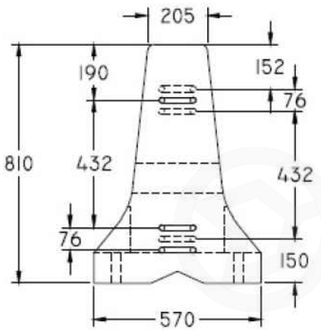
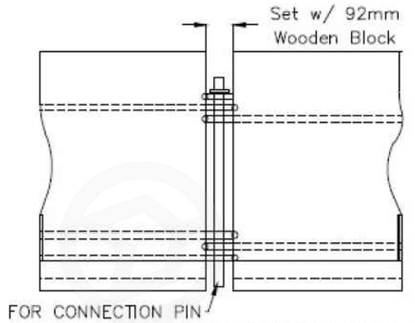
Hours of Operation: PM N/A			
Start Date OCT. 01, 2025	**Delineator Spacing** 12 meters	**Scale** 1:1500	**Sheet** 04 of 05
End Date NOV. 30, 2025		**Drawing No.** 49928-D0168572	



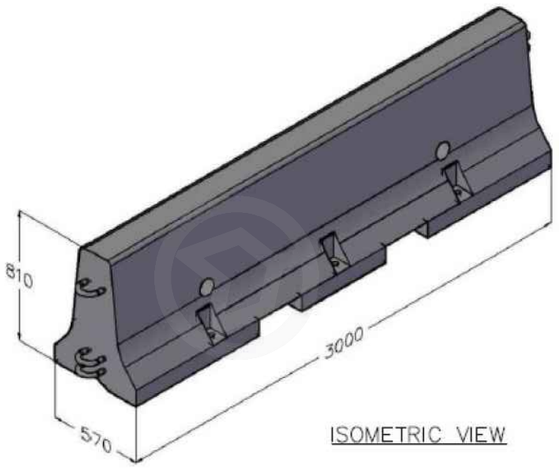
ELEVATION



END VIEW



DETAILS OF BARRIER CONNECTION

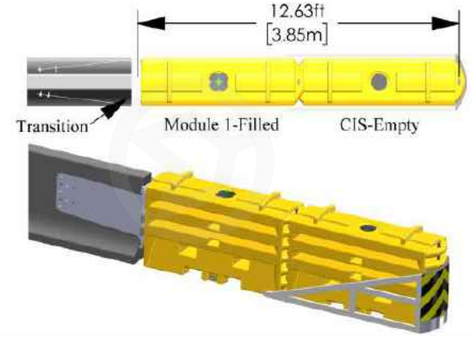


ISOMETRIC VIEW

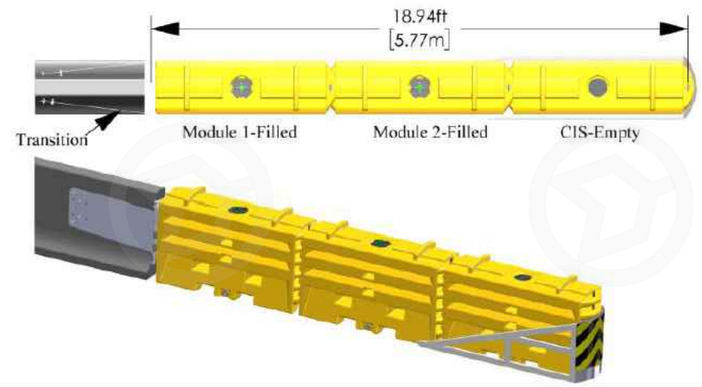
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

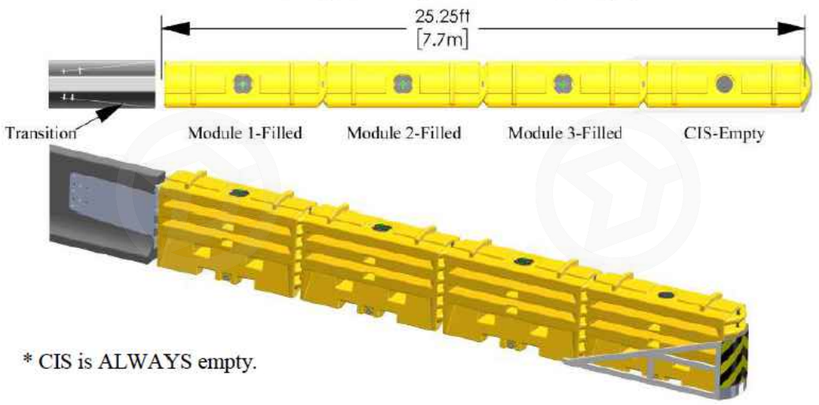
TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



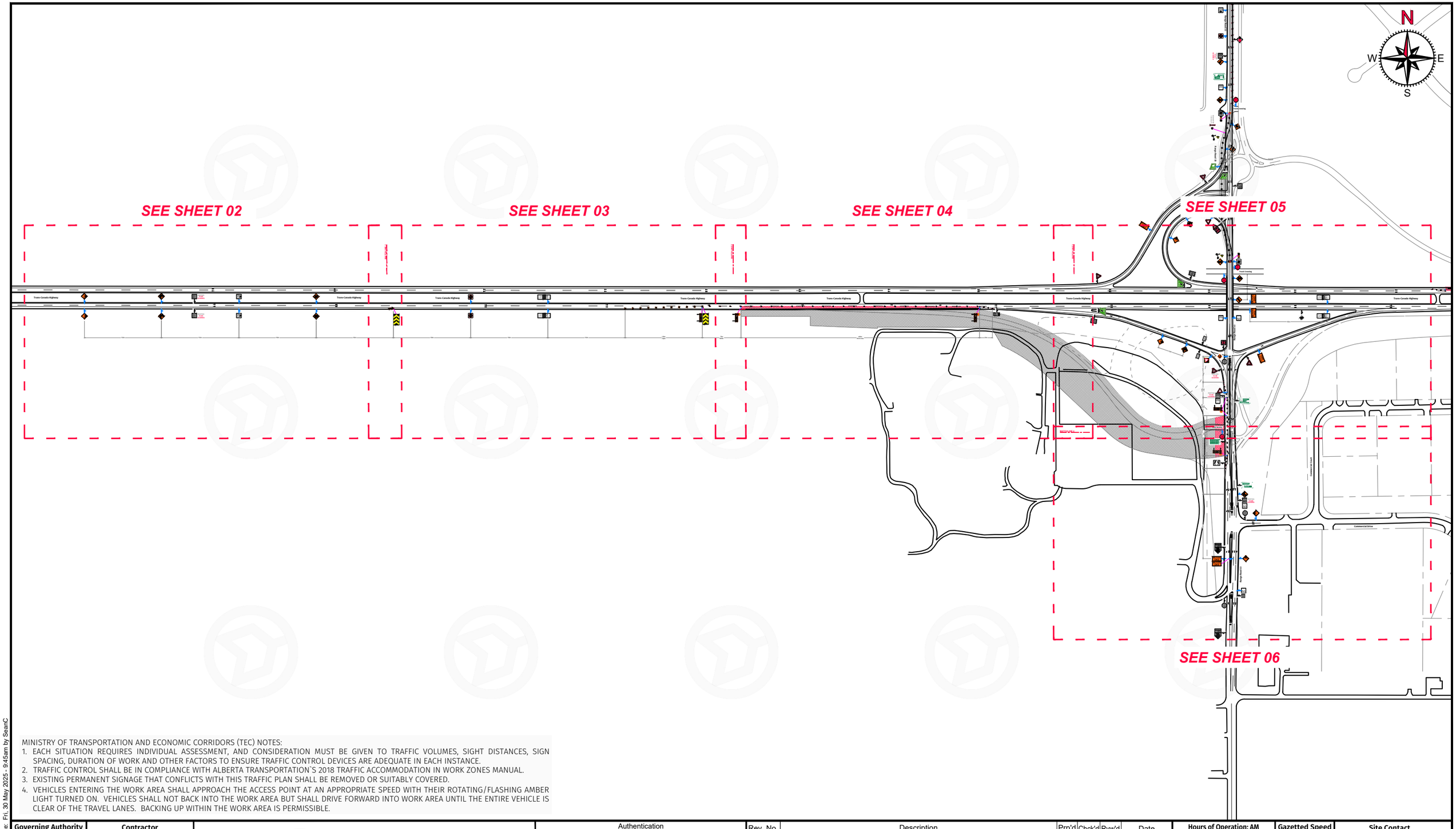
TL-3 Configuration up to 100 km/h (62 mph)



* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority: Ministry of Transportation and Economic Corridors (TEC)	Contractor: SG A COLAS COMPANY Traffic Design Provider: ATS Traffic Safety forward	Phase 1G Detour Road North and Southbound Lane Realignment Range Rd 33 and Township Rd 250 Calgary, Alberta	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	Hours of Operation: AM 09:00 am - 05:00 pm Hours of Operation: PM N/A Start Date OCT. 01, 2025 End Date NOV. 30, 2025	Gazetted Speed MAXIMUM 80 Delineator Spacing 12 meters	Site Contact: Kirk Clunie T 403.248.3241 C 403.988.5206 Scale N.T.S. Drawing No. 49928-D0168572 Sheet 05 of 05
					Original Date of Completion	SC	SB	KC	MAR/26/2025			



MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 2A Barrier Placement
Eastbound Right Lane Closure
Trans-Canada Highway and Range Rd 33
Calgary, Alberta

Authentication

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Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
JUN. 01, 2025

End Date
OCT. 31, 2025

Gazetted Speed
MAXIMUM 110

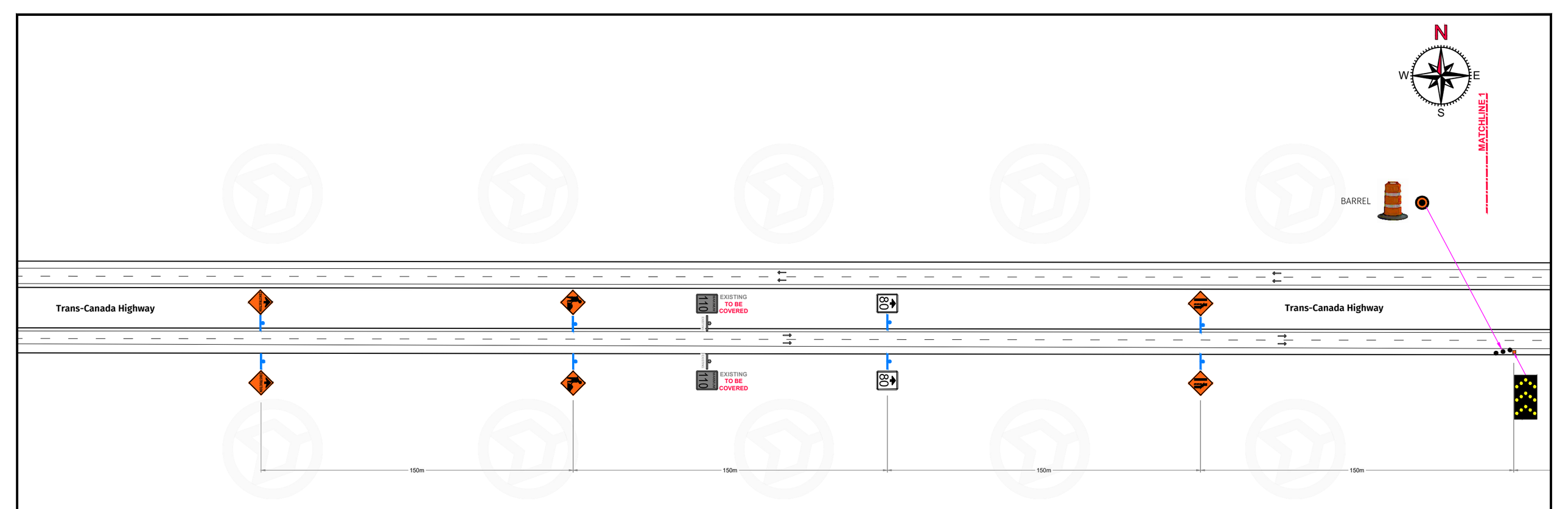
Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
N.T.S.

Drawing No.
49928-D0169633

Sheet
01 of 07



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Ministry of Transportation and Economic Corridors (TEC)

Contractor
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Traffic Design Provider
ATS Traffic — Safety forward

Phase 2A Barrier Placement
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Trans-Canada Highway and Range Rd 33
Calgary, Alberta

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Gazetted Speed
MAXIMUM 110

Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

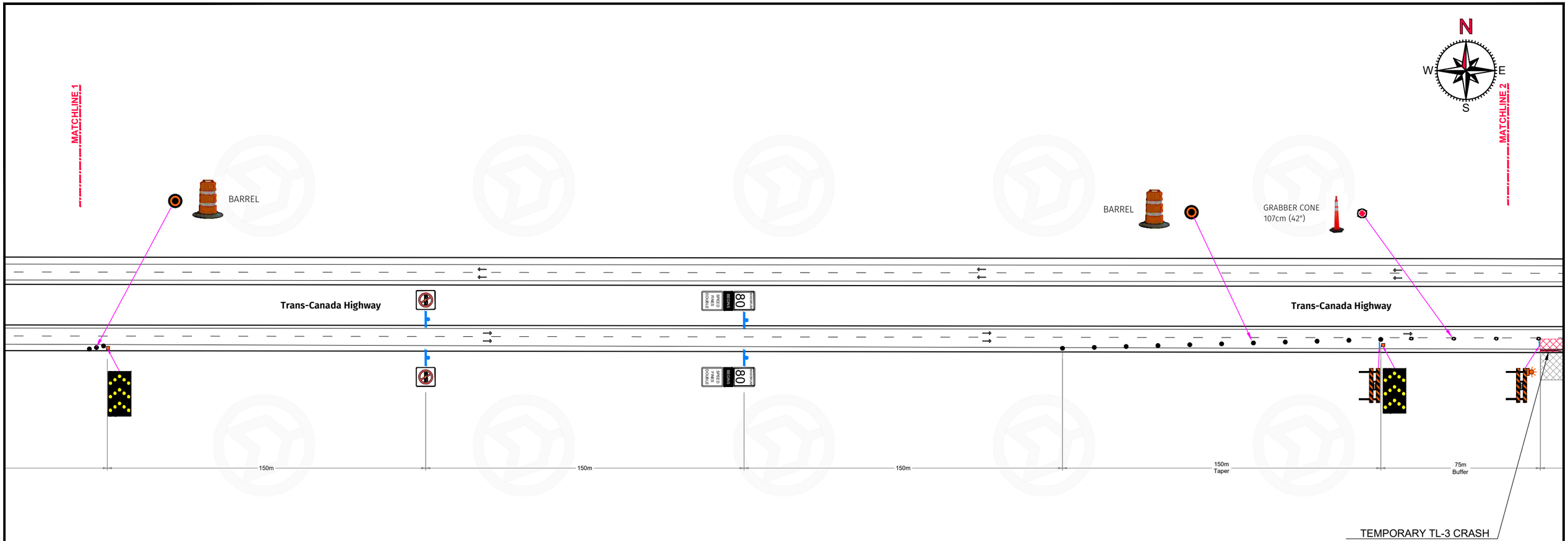
Scale
1:1750

Drawing No.
49928-D0169633

Sheet
02 of 07

MATCHLINE 1

MATCHLINE 2



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Gazetted Speed
MAXIMUM 110

Delineator Spacing
20 meters

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Kirk Clunie
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Scale
1:1750

Drawing No.
49928-D0169633

Sheet
03 of 07

MATCHLINE 2

MATCHLINE 3

N

W E

S

GRABBER CONE
107cm (42")

Trans-Canada Highway

Trans-Canada Highway

75m
Buffer

463m
Work Area

25m

TEMPORARY TL-3 CRASH
CUSHION END TREATMENT
(SEE SHEET 07 FOR DETAIL)

MATCHLINE 4

MINISTRY OF TRANSPORTATION AND ECONOMIC CORRIDORS (TEC) NOTES:

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Contractor
A COLAS COMPANY

Traffic Design Provider
ATS Traffic
Safety forward

Phase 2A Barrier Placement
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MAXIMUM 110

Delineator Spacing
20 meters

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Scale
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Drawing No.
49928-D0169633

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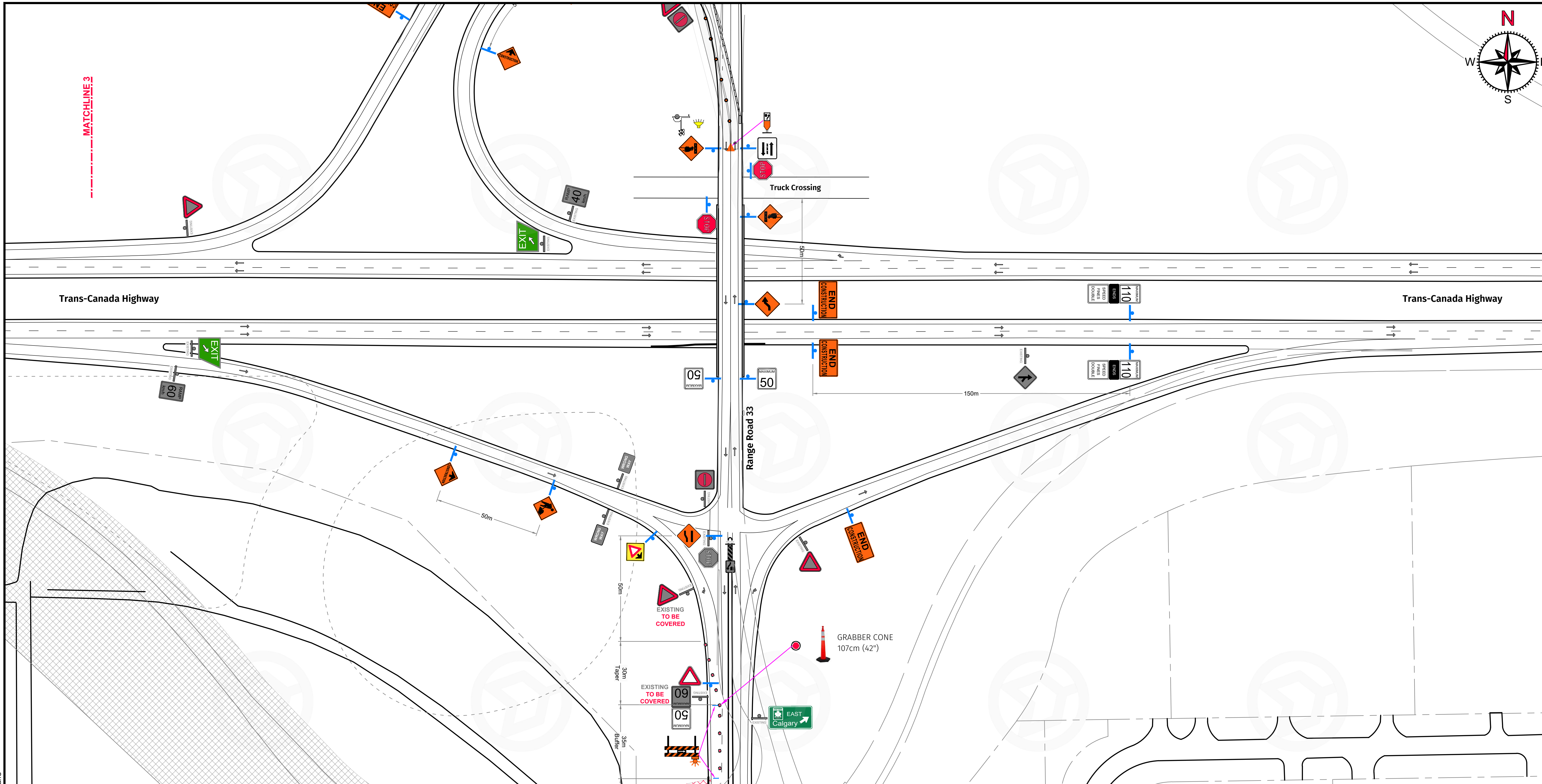
04 of 07



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Traffic Design Provider
ATS Traffic
Safety forward

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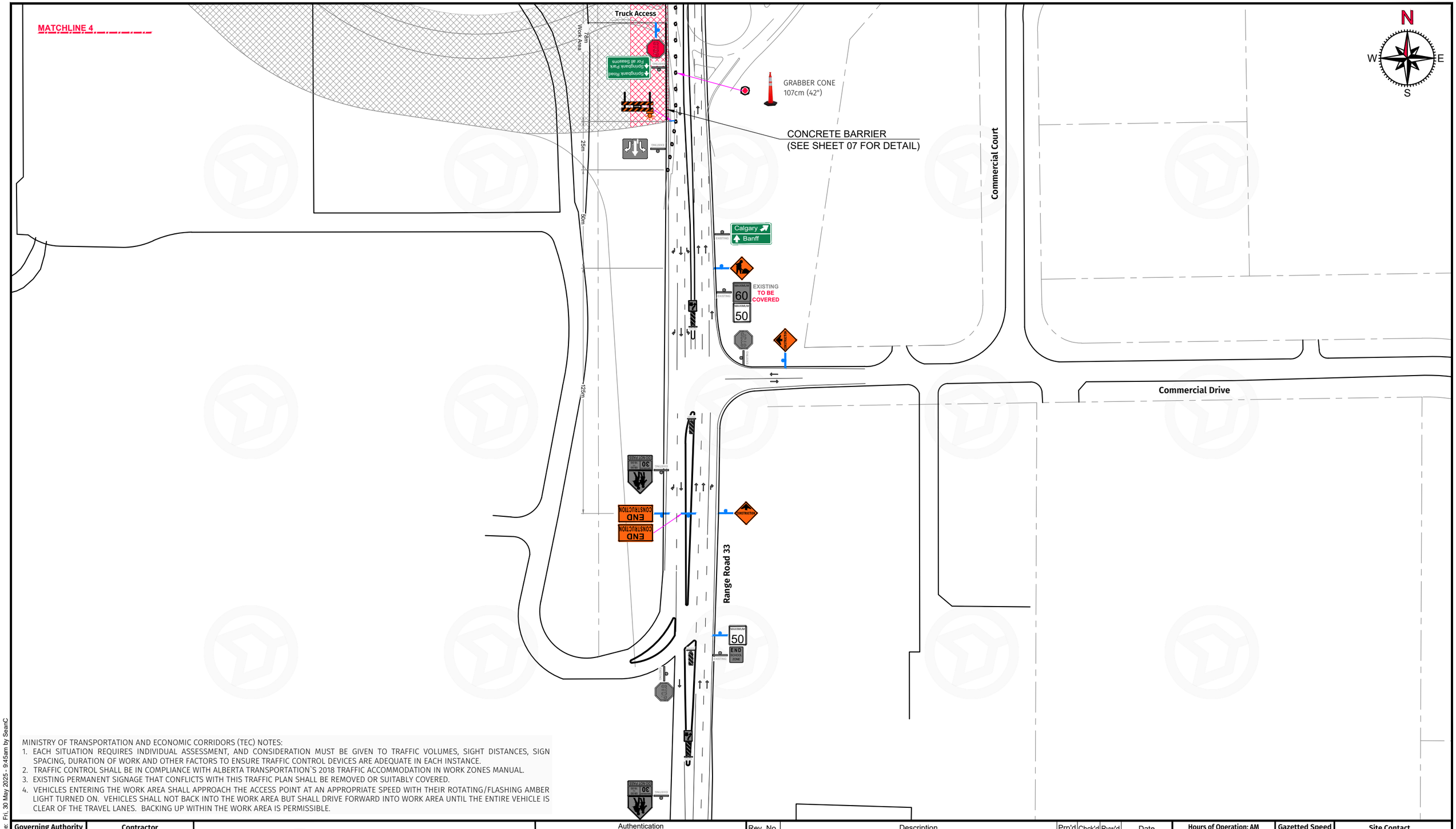
Delineator Spacing	20 meters
Site Contact	Kirk Clunie T 403.248.3241 C 403.988.5206
Scale	1:1750
Drawing No.	49928-D0169633
Sheet	05 of 07

MATCHLINE 4



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 2A Barrier Placement
Eastbound Right Lane Closure
Trans-Canada Highway and Range Rd 33
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Gazetted Speed
MAXIMUM 110

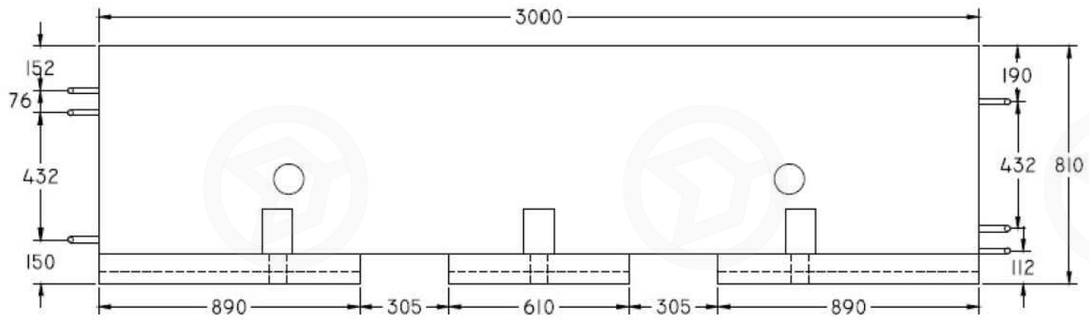
Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

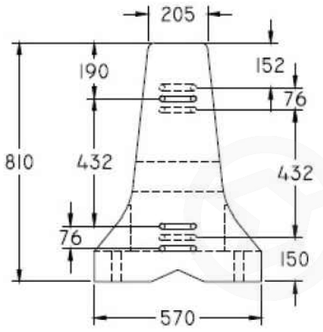
Scale
1:1750

Drawing No.
49928-D0169633

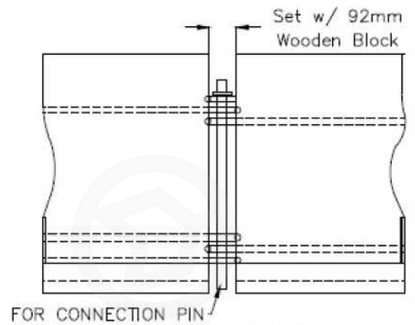
Sheet
06 of 07



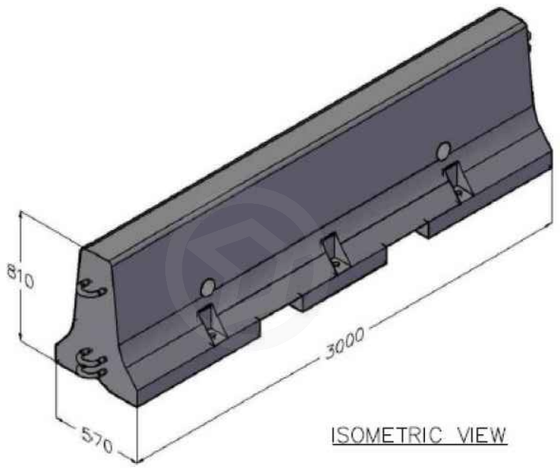
ELEVATION



END VIEW



DETAILS OF BARRIER CONNECTION

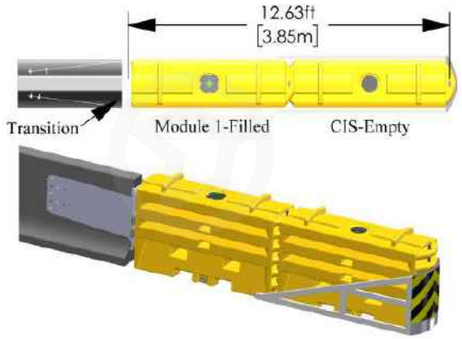


ISOMETRIC VIEW

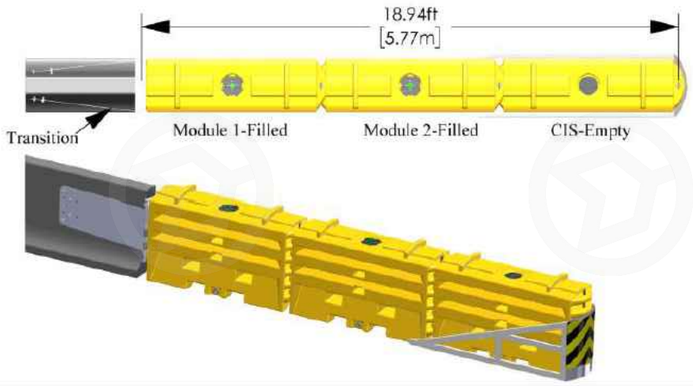
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

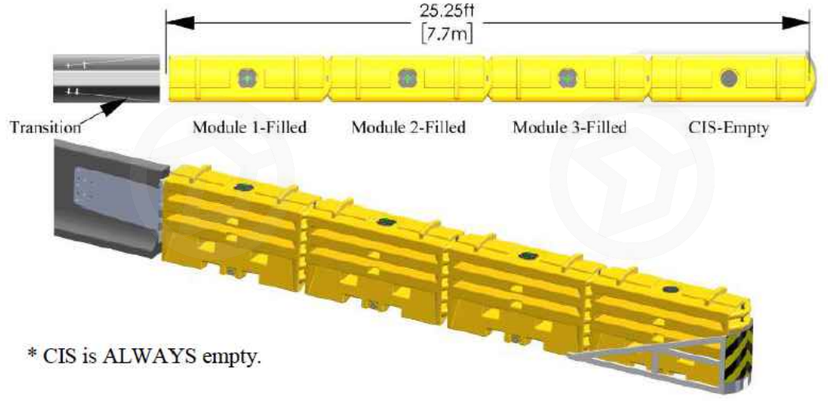
TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



TL-3 Configuration up to 100 km/h (62 mph)



* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority: Ministry of Transportation and Economic Corridors (TEC)	Contractor: SG A COLAS COMPANY Traffic Design Provider: ATS Traffic Safety forward	Phase 2A Barrier Placement Eastbound Right Lane Closure Trans-Canada Highway and Range Rd 33 Calgary, Alberta	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	Hours of Operation: AM 09:00 am - 05:00 pm Hours of Operation: PM N/A Start Date JUN. 01, 2025 End Date OCT. 31, 2025	Gazetted Speed MAXIMUM 110 Delineator Spacing 20 meters	Site Contact: Kirk Clunie T 403.248.3241 C 403.988.5206 Scale 1:1750 Drawing No. 49928-D0169633 Sheet 07 of 07
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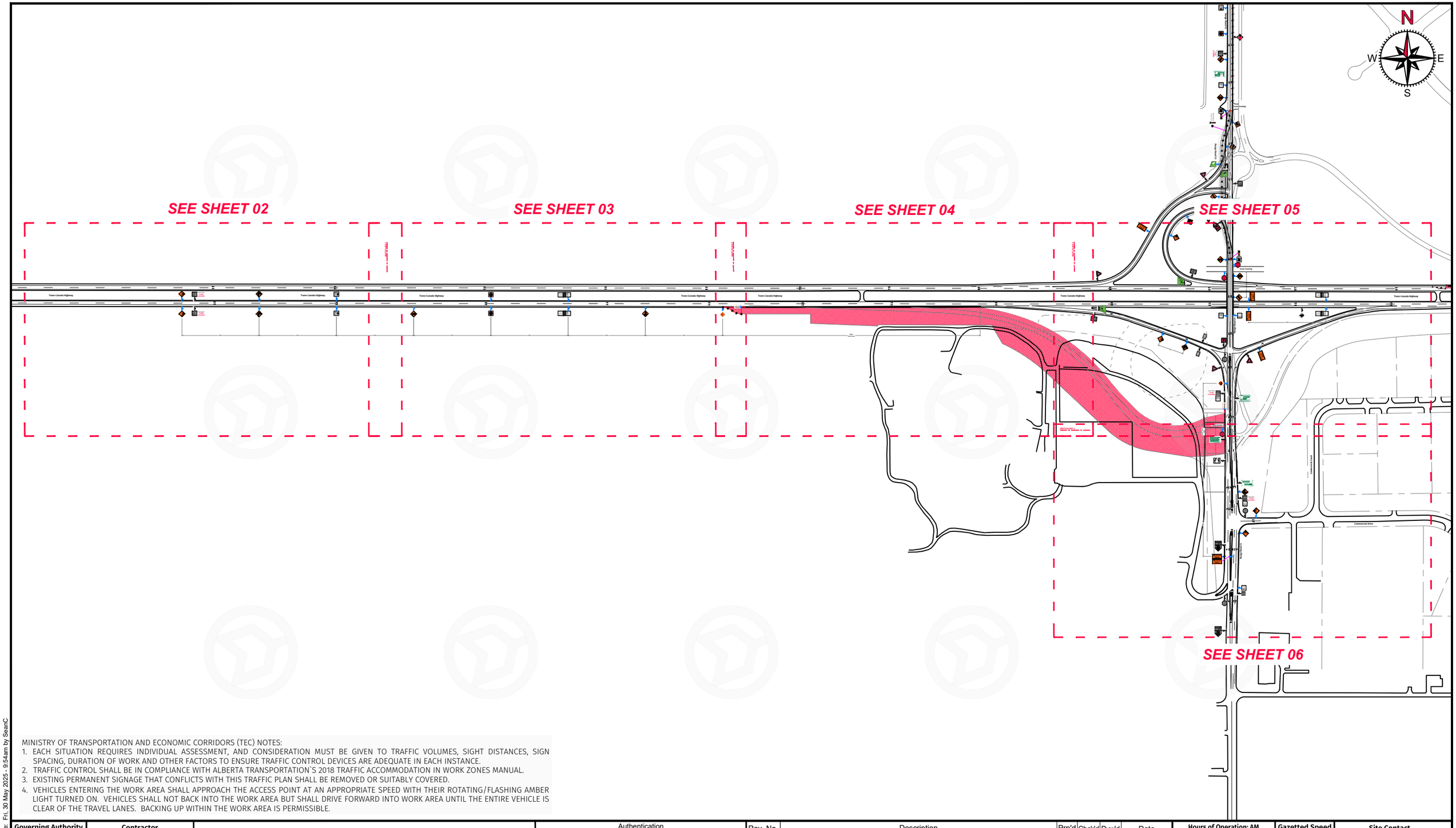

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Ministry of Transportation and Economic Corridors (TEC)

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Traffic Design Provider
ATS Traffic — Safety forward

Phase 2B Constuction Zone
Eastbound Right Lane Closure
Trans-Canada Highway and Range Rd 33
Calgary, Alberta

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Hours of Operation: PM
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Start Date
JUN. 01, 2025

End Date
OCT. 31, 2025

Gazetted Speed
MAXIMUM 110

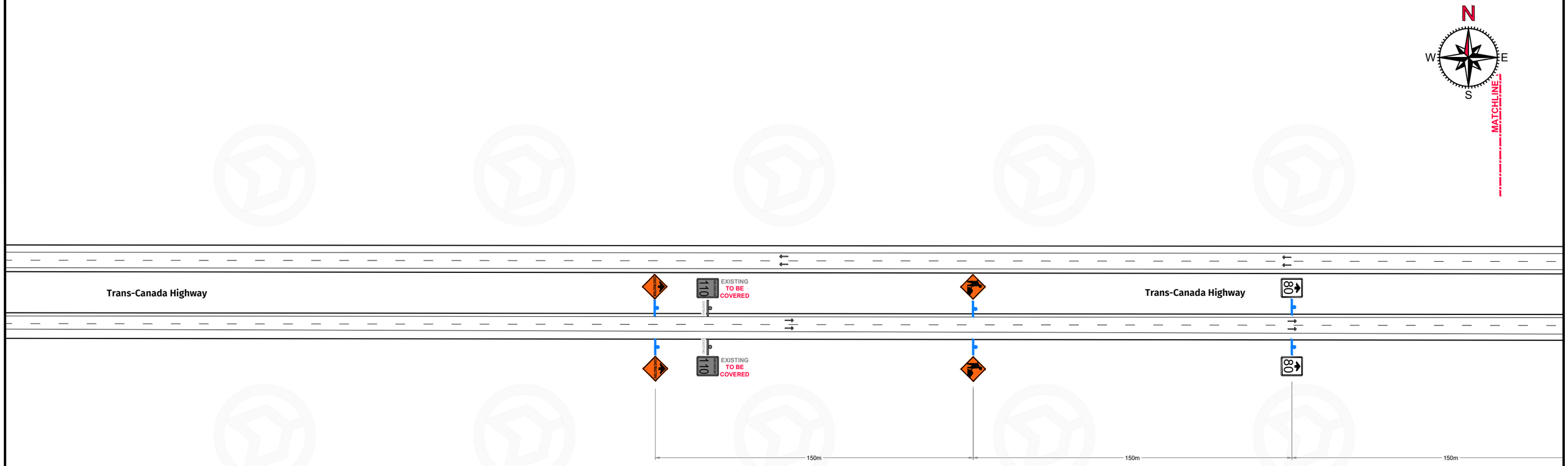
Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
N.T.S.

Drawing No.
49928-D0169634

Sheet
01 of 07



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Traffic Design Provider
ATS Traffic — Safety forward

Phase 2B Constuction Zone
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Gazetted Speed
MAXIMUM 110

Delineator Spacing
20 meters

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Scale
1:1750

Drawing No.
49928-D0169634

Sheet
02 of 07

MATCHLINE 1

MATCHLINE 2

N

W E

S

BARREL

Trans-Canada Highway

Trans-Canada Highway

80

80

150m 150m 150m 150m 150m

TEMPORARY TL-3 CRASH
CUSHION END TREATMENT
(SEE SHEET 07 FOR DETAIL)

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Delineator Spacing
20 meters

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Scale
1:1750

Drawing No.
49928-D0169634

Sheet
03 of 07

MATCHLINE 2

TEMPORARY TL-3 CRASH
CUSHION END TREATMENT
(SEE SHEET 07 FOR DETAIL)

CONCRETE BARRIER
(SEE SHEET 07 FOR DETAIL)

MATCHLINE 3

N
W E
S

Trans-Canada Highway

Trans-Canada Highway

500m
Work Area

MATCHLINE 4

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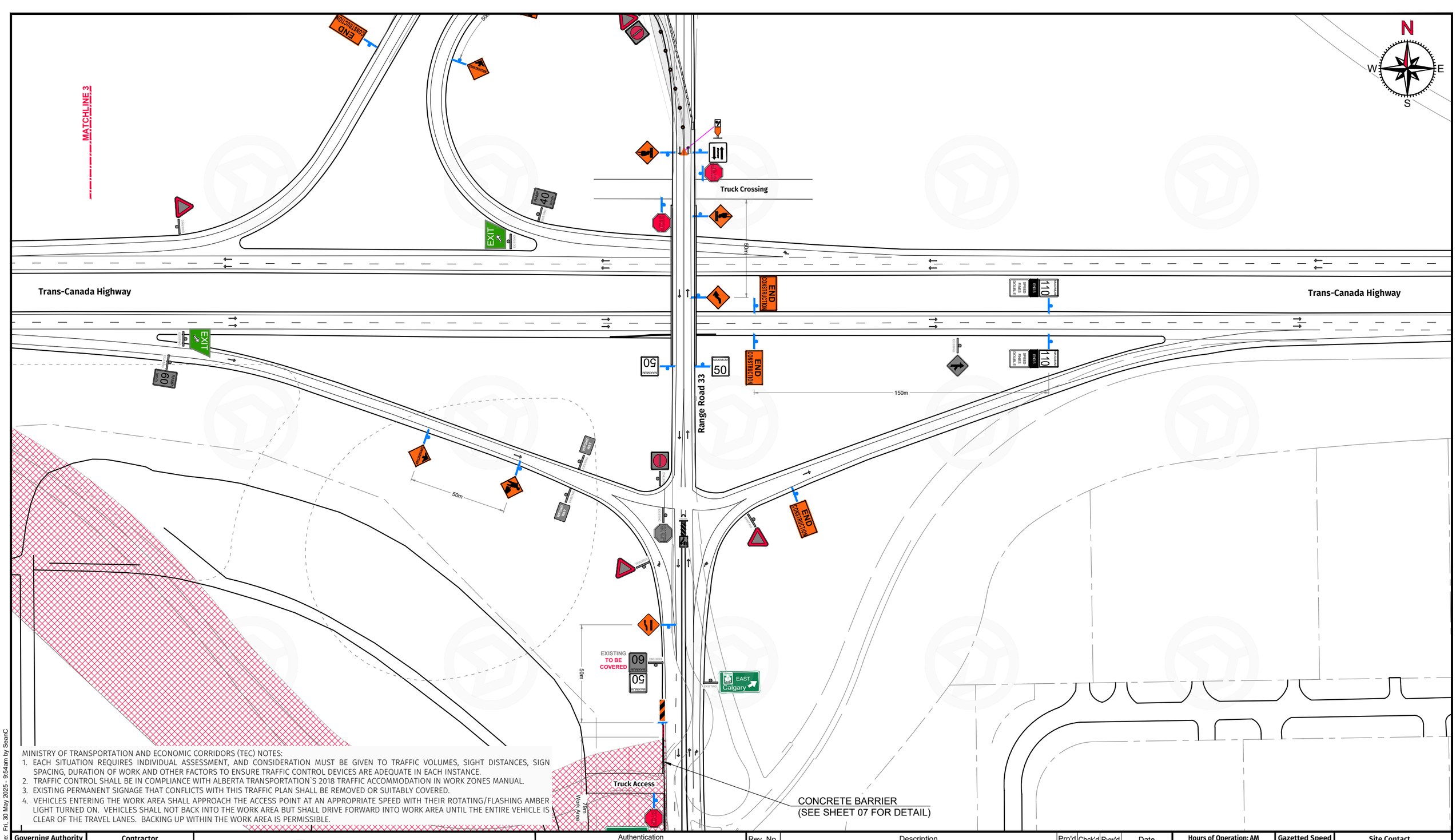
Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
1:1750

Drawing No.
49928-D0169634

Sheet
04 of 07



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

Contractor
SG — A COLAS COMPANY

Traffic Design Provider
ATS Traffic — Safety forward

Phase 2B Constuction Zone Eastbound Right Lane Closure Trans-Canada Highway and Range Rd 33 Calgary, Alberta

Authentication

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Hours of Operation: AM
09:00 am - 05:00 pm

Hours of Operation: PM
N/A

Start Date
JUN. 01, 2025

End Date
OCT. 31, 2025

Gazetted Speed
MAXIMUM 110

Delineator Spacing
20 meters

Site Contact
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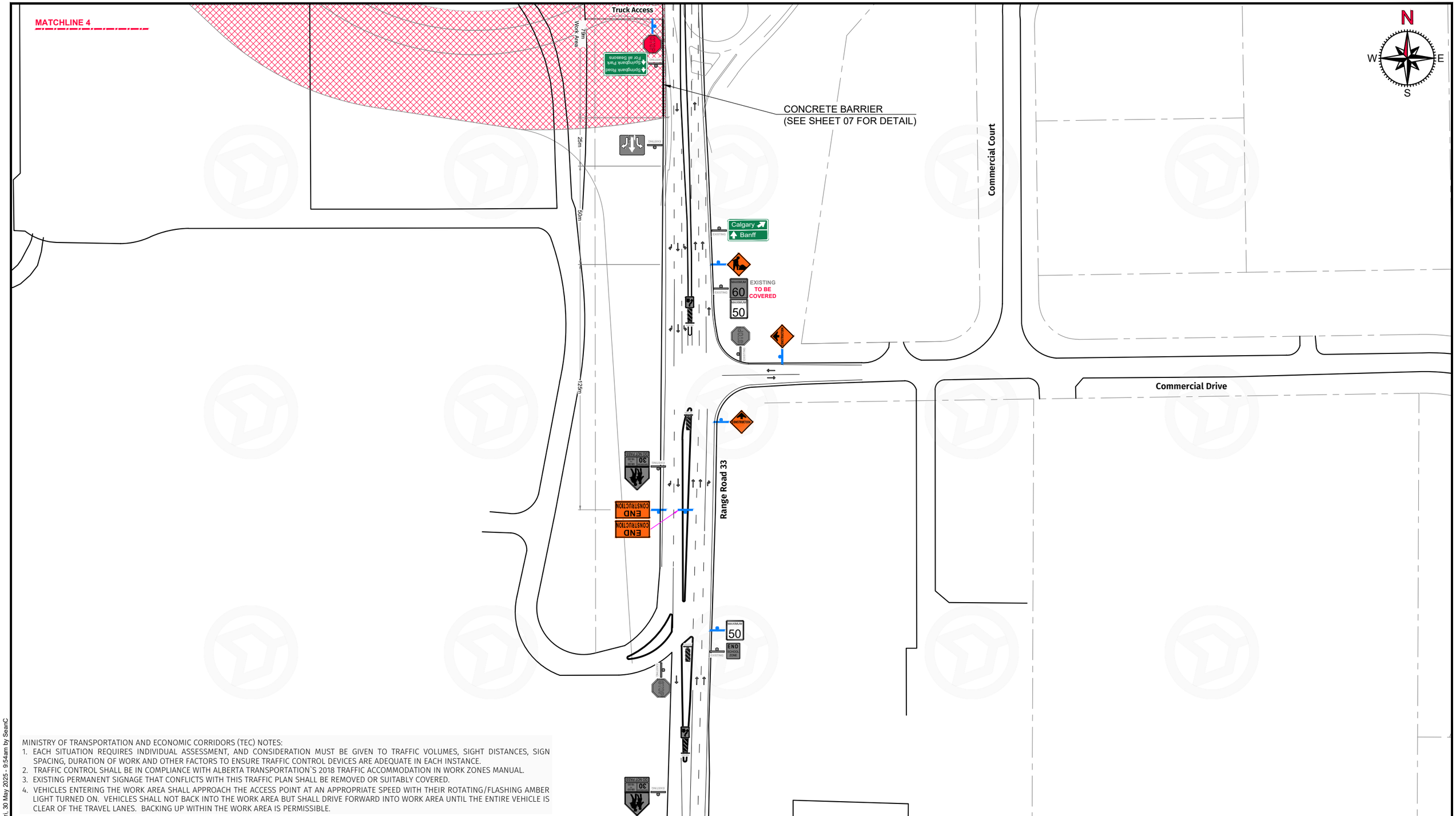
Scale
1:1750

Drawing No.
49928-D0169634

Sheet
05 of 07

MATCHLINE 4



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Delineator Spacing
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49928-D0169634

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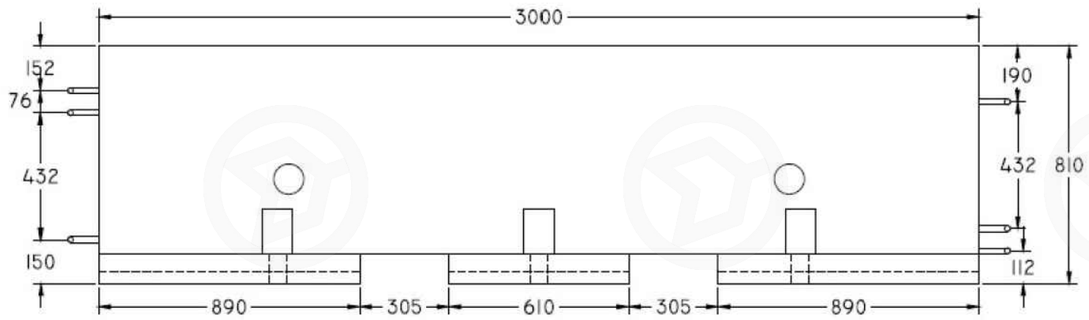
06 of 07



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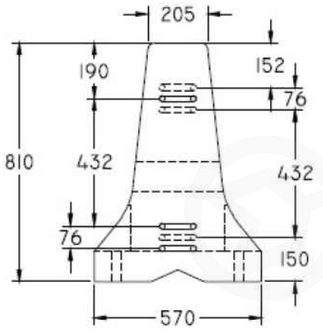
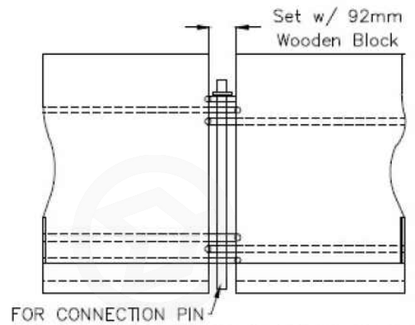
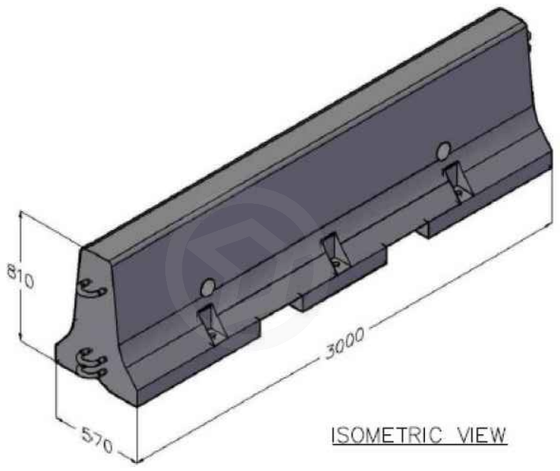


END VIEW



DETAILS OF BARRIER CONNECTION

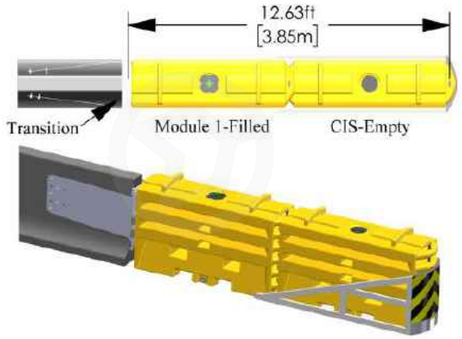


ISOMETRIC VIEW

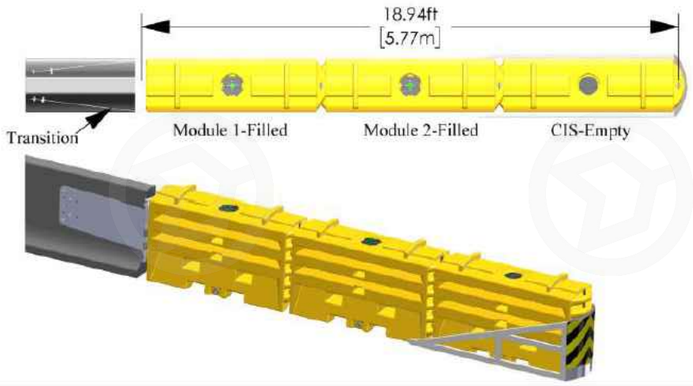
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

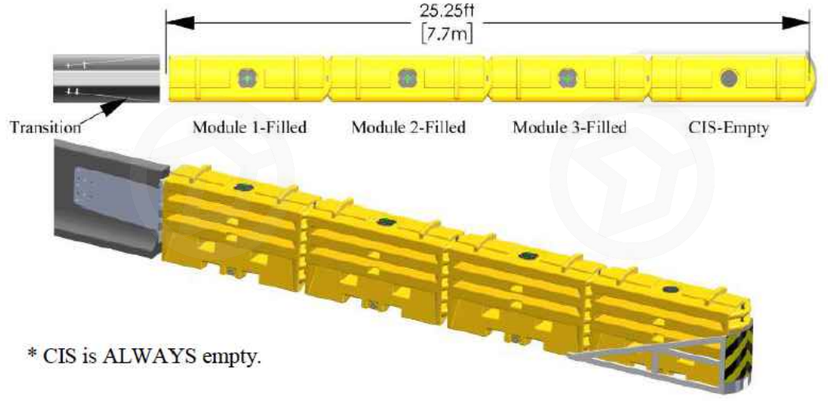
TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



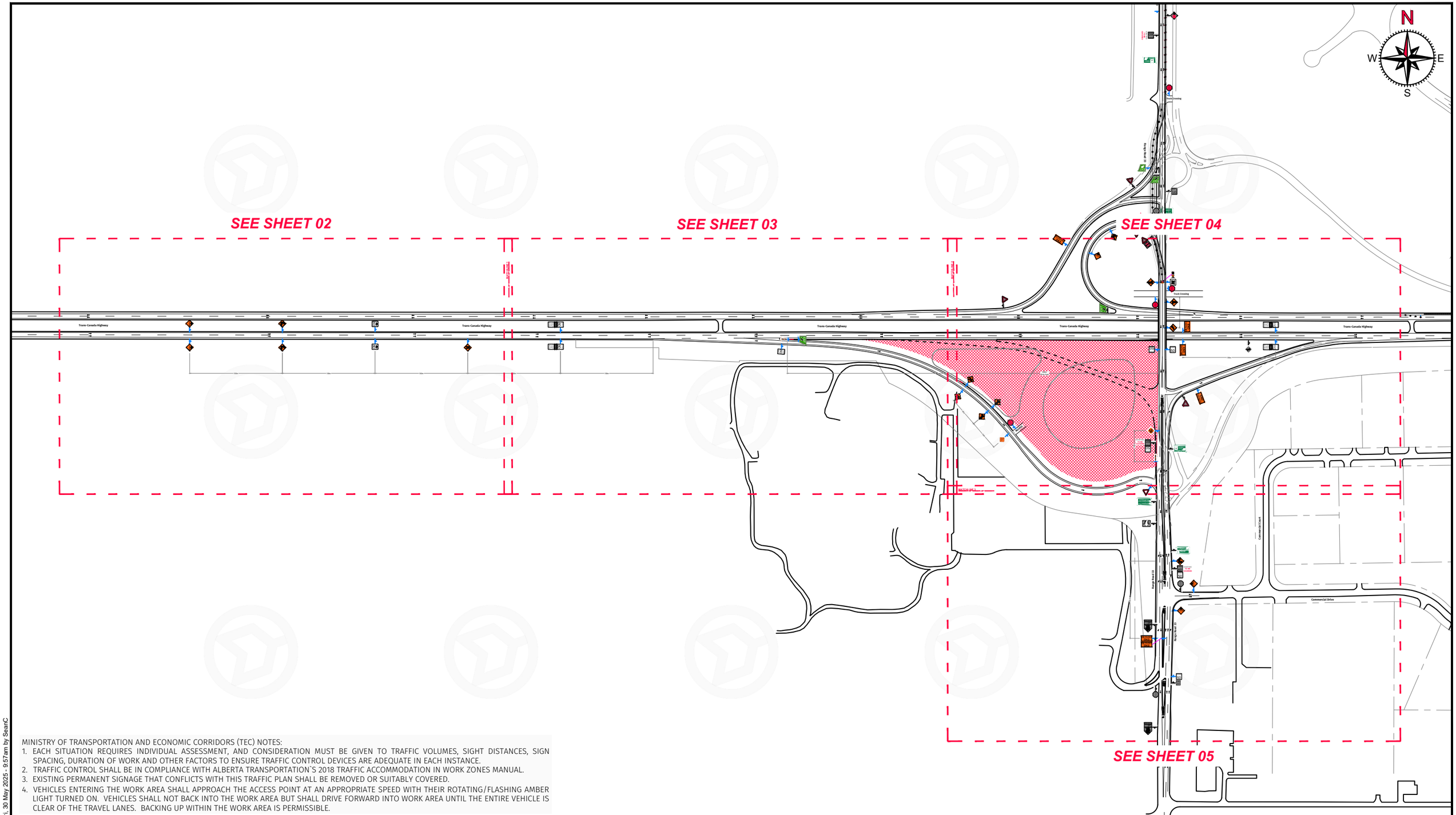
TL-3 Configuration up to 100 km/h (62 mph)



* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority Ministry of Transportation and Economic Corridors (TEC)	**Contractor** SG A COLAS COMPANY **Traffic Design Provider** ATS Traffic Safety forward	**Phase 2B Constuction Zone** **Eastbound Right Lane Closure** **Trans-Canada Highway and Range Rd 33** **Calgary, Alberta**	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	**Hours of Operation: AM** 09:00 am - 05:00 pm **Hours of Operation: PM** N/A **Start Date** JUN. 01, 2025 **End Date** OCT. 31, 2025	**Gazetted Speed** MAXIMUM 110 **Delineator Spacing** 20 meters	**Site Contact** Kirk Clunie T 403.248.3241 C 403.988.5206 **Scale** 1:1750 **Drawing No.** 49928-D0169634 **Sheet** 07 of 07
					Original Date of Completion	SC	SB	KC	APR/30/2025			



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Governing Authority
Ministry of Transportation and Economic Corridors (TEC)

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ATS Traffic — Safety forward

Phase 2C Ramp, Pond Constuction Eastbound Right Lane Closure Trans-Canada Highway and Range Rd 33 Calgary, Alberta

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N/A

Start Date
NOV. 01, 2025

End Date
DEC. 15, 2025

Gazetted Speed
MAXIMUM 110

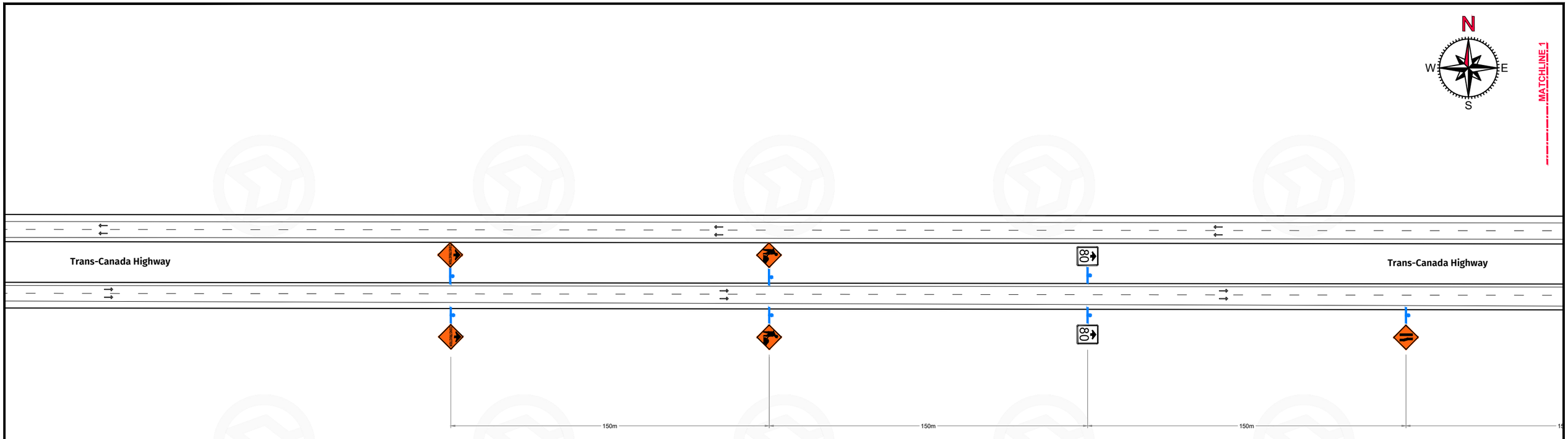
Delineator Spacing
20 meters

Site Contact
Kirk Clunie
T 403.248.3241 C 403.988.5206

Scale
N.T.S.

Drawing No.
49928-D0170480

Sheet
01 of 06



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Delineator Spacing
20 meters

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Scale
1:1750

Drawing No.
49928-D0170480

Sheet
02 of 06

MATCHLINE 1

MATCHLINE 2

N

W E

S

TEMPORARY TL-3 CRASH
CUSHION END TREATMENT
(SEE SHEET 06 FOR DETAIL)

CONCRETE BARRIER
(SEE SHEET 06 FOR DETAIL)

Trans-Canada Highway

MAXIMUM SPEED PASS DOUBLE 80 km/h

MAXIMUM SPEED PASS DOUBLE 80 km/h

EXIT

RANGE 60 km/h

150m

150m

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49928-D0170480

Sheet
03 of 06

MATCHLINE 2

Trans-Canada Highway

Truck Crossing

50m

END CONSTRUCTION

EXIT

MAXIMUM 50

MAXIMUM 110

SPEED FINES DOUBLE

END

150m

TEMPORARY TL-2 CRASH
CUSHION END TREATMENT
(SEE SHEET 06 FOR DETAIL)

600m
Work Area

CONCRETE BARRIER
(SEE SHEET 06 FOR DETAIL)

50m

50m

Access

EXISTING
TO BE
COVERED

50m

EAST
Calgary

TEMPORARY TL-2 CRASH
CUSHION END TREATMENT
(SEE SHEET 06 FOR DETAIL)

CONCRETE BARRIER
(SEE SHEET 06 FOR DETAIL)

MATCHLINE 3

Authentication

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Ministry of Transportation and Economic Corridors (TEC)	SG A COLAS COMPANY **Traffic Design Provider** ATS Traffic Safety forward

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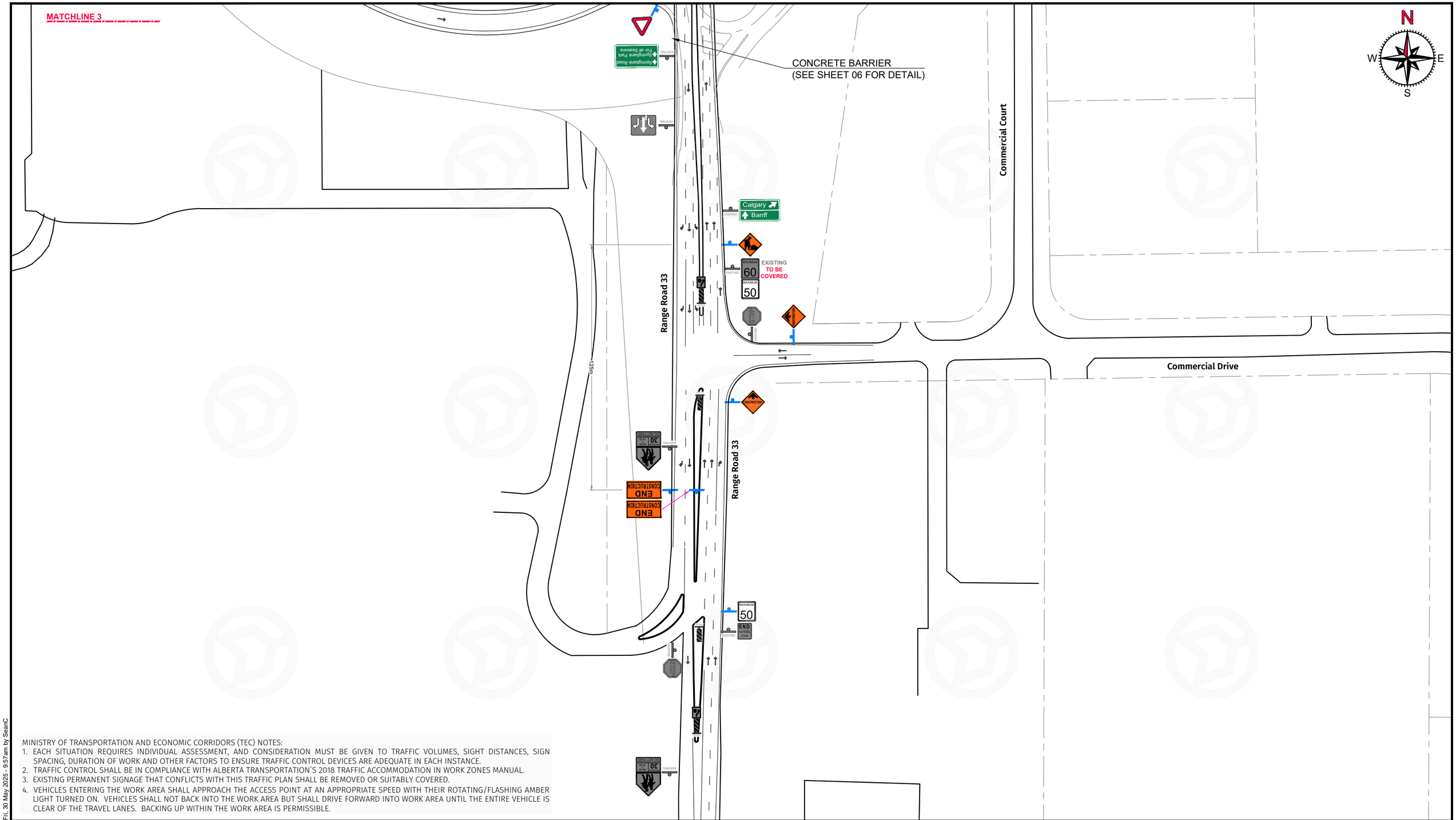
Hours of Operation: PM N/A			
Start Date NOV. 01, 2025	**Delineator Spacing** 20 meters	**Scale** 1:1750	**Sheet** 04 of 06
End Date DEC. 15, 2025		**Drawing No.** 49928-D0170480	

MATCHLINE 3



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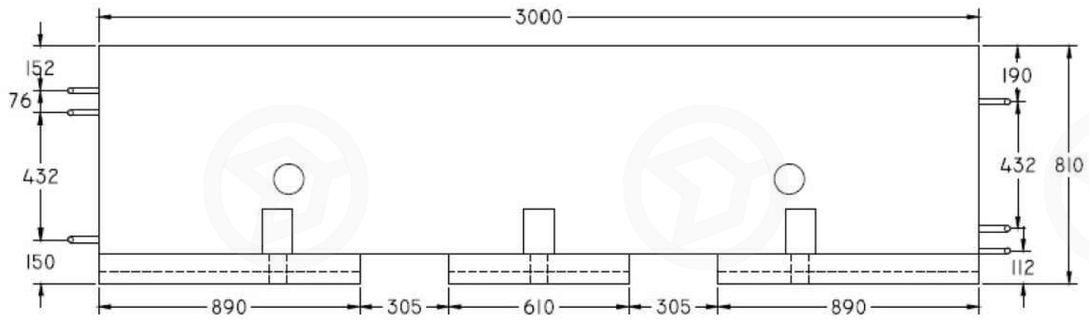

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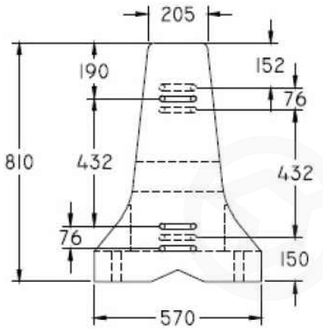
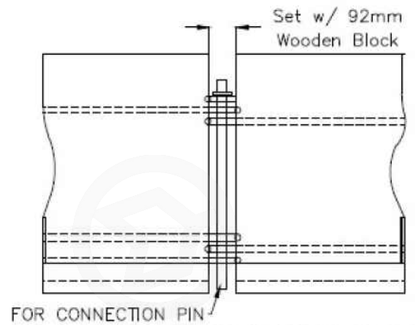
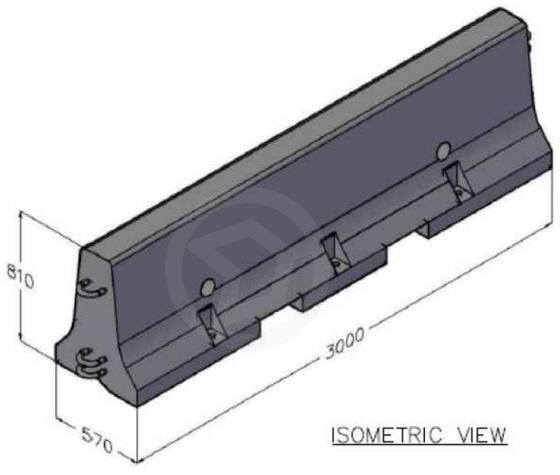


END VIEW



DETAILS OF BARRIER CONNECTION

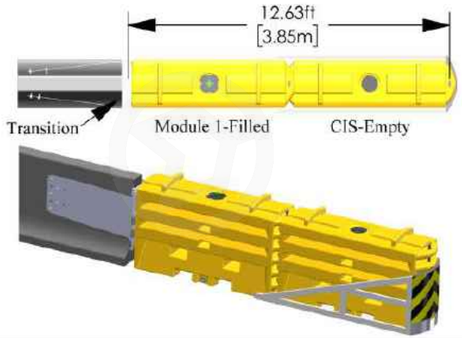


ISOMETRIC VIEW

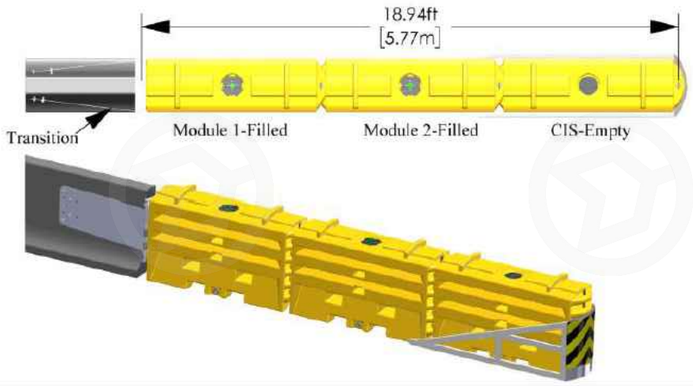
NOTE:
- MASS OF PIECE 1680 KG (3696 lbs)
- CONCRETE 30 MPa AT 28 DAYS

Speed Configuration

TL-1 Configuration up to 50 km/h (31 mph)



TL-2 Configuration up to 70 km/h (43 mph)



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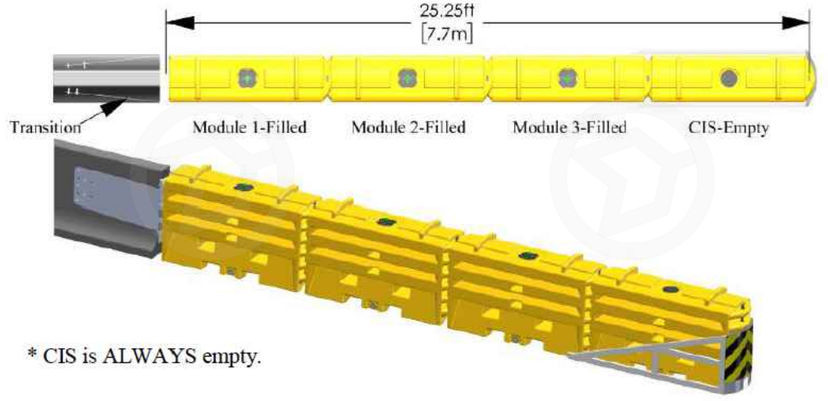

* CIS is ALWAYS empty.

Figure 14: SLED End Treatment Speed Configurations

Governing Authority Ministry of Transportation and Economic Corridors (TEC)	**Contractor** SG A COLAS COMPANY **Traffic Design Provider** ATS Traffic Safety forward	**Phase 2C Ramp, Pond Constuction** **Eastbound Right Lane Closure** **Trans-Canada Highway and Range Rd 33** **Calgary, Alberta**	Authentication	Rev. No.	Description	Prp'd	Chck'd	Rvw'd	Date	**Hours of Operation: AM** 09:00 am - 05:00 pm **Hours of Operation: PM** N/A **Start Date** NOV. 01, 2025 **End Date** DEC. 15, 2025	**Gazetted Speed** MAXIMUM -	**Site Contact** Kirk Clunie T 403.248.3241 C 403.988.5206 **Scale** N.T.S **Drawing No.** 49928-D0170480 **Sheet** 06 of 06
					Original Date of Completion	SC	SB	KC	APR/30/2025		**Delineator Spacing** - meters	