140 Allstate Parkway, Unit 210 Markham, Ontario L3R 5Y8 Canada www.ghd.com

Our ref: 12649115

October 11, 2024

Wheelwright Group 110 Fenmar Drive Toronto, Ontario M9L 1M5

Attn: Ruth Wheelwright

Subject: Traffic Impact Study

**Proposed Industrial Building Development** 12155 Coleraine Drive, Bolton, Town of Caledon

Dear Ruth,

### 1. Introduction and background

GHD is pleased to submit this Traffic Impact Study for the proposed development of an industrial building located at 12155 Coleraine Drive in Bolton. The site location is shown in Figure 1.

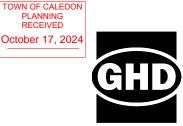
Based on the current site plan, the proposed development consists of an industrial building with a total gross floor area (GFA) of 3,281.48 m<sup>2</sup> including 803.2 m<sup>2</sup> office, 1,050.22 m<sup>2</sup> warehouse and 1,428.06 m<sup>2</sup> maintenance shop uses with 66 passenger vehicle parking spaces provided.

The property has an existing access on Coleraine Drive. The proposed site access will be a right-in /right-out access. Figure 2 shows the proposed industrial building and the access location. The current site plan is provided in Appendix A.

The objective of this study is to determine the anticipated traffic volumes generated by the proposed development during the critical weekday AM and weekday PM peak hour periods; to assess the impact of this traffic on the nearby roadways; to confirm that the proposed parking supply meets Caledon zoning by-law parking requirements, and to demonstrate that the vehicle sweep paths can be accommodated by the proposed site plan.

A Transportation Impact Study for the industrial block at Coleraine Drive and Mayfield Road bounded by Coleraine Drive, Parr Boulevard, future Simpson Road, and Mayfield Road was conducted (including the subject site) in November 2023 (referred to herein as the November 2023 TIS). The background traffic forecasts are built on the information contained in that traffic study.

This study establishes the existing traffic volumes for the critical weekday AM and PM peak hour periods, derives and assesses the other background traffic, estimates and assigns new site related traffic volumes onto the road network, and documents the expected site-related impacts from the proposed developments.



**RECEIVED** 



Figure 1 Site location

→ The Power of Commitment

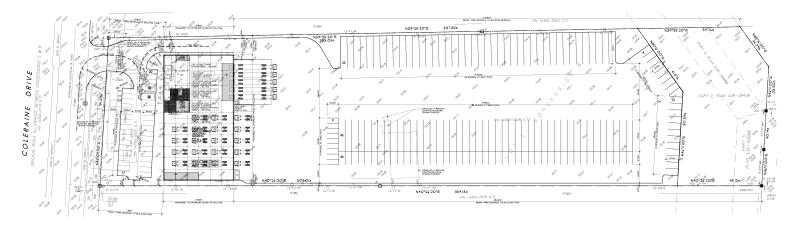


Figure 2 Site plan

# 2. Existing traffic

# 2.1 Study area

The study intersection for capacity analysis is the intersection of Coleraine Drive and Site Access.

### 2.2 Road network

The following describes the existing road infrastructure in this study area. **Figure 3** shows the lane configurations and traffic controls for the study intersection.



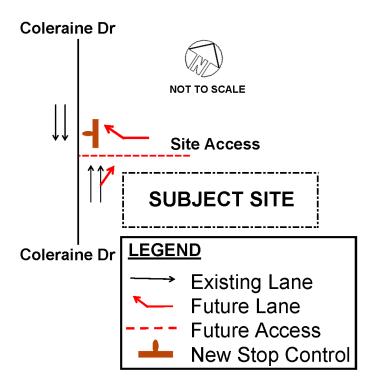
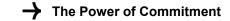


Figure 3 Intersection Lane configurations



### Regional Road 150 (Coleraine Drive)

Coleraine Drive (Regional Road 150) is a north-south arterial roadway under the jurisdiction of the Region of Peel. It has a four-lane cross-section in the vicinity of the subject site with a posted speed limit of 70 km/h. It is straight and level. There is no sidewalks and no bicycle lanes along Coleraine Drive in the vicinity of the subject site.

# 2.3 Existing traffic data

The most recent weekday turning movement counts for the existing intersections of Coleraine Drive / Mayfield Road and Coleraine Drive / Parr Boulevard were obtained from Region of Peel and were conducted by Spectrum Inc. on Wednesday, April 17, 2024, as provided in **Appendix B**.

Based on review of the existing traffic data, the study uses the higher link volumes on Coleraine Drive counted at the Coleraine Drive / Mayfield Road during the weekday AM and PM peak hours, to be conservative.

Figure 4 shows the existing traffic volumes for weekday AM and PM peak hours at the study intersection.

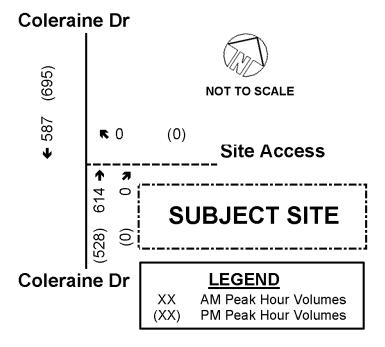


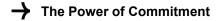
Figure 4 Existing traffic volumes

# 3. Background traffic

# 3.1 Future traffic growth

The **November 2023 TIS** applied an annual growth rate of 0.5% to through volumes on Coleraine Drive. In this analysis applied a growth rate of 0.5% per year to the northbound and southbound traffic (Figure 4) to forecast the growth for the 2033 study horizon, consistent with the **November 2023 TIS**.

The background traffic due to growth (existing traffic plus background traffic growth) is shown in Figure 5.



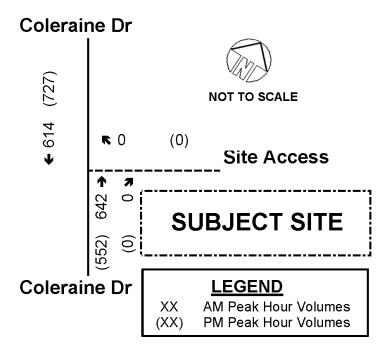


Figure 5 Background traffic volumes due to growth

# 3.2 Background development traffic

In this traffic study, other background development traffic volume is derived by calculating the existing 2023 volumes with background growth traffic volumes and subtracting from the 2033 future total traffic volumes (Figure 6-3, November 2023 TIS). The excerpts of **November 2023 TIS** report and background growth traffic volumes are provided in **Appendix C**.

The background development traffic volumes are shown in Figure 6.

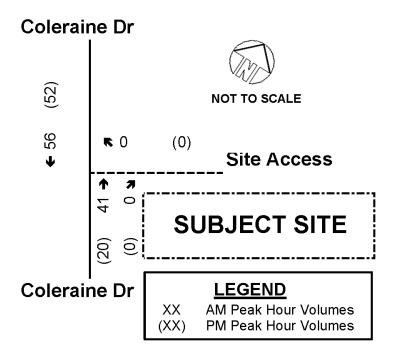


Figure 6 Other background development traffic volumes

# 3.3 Future background traffic volumes

The Future Background Traffic Volumes, shown in **Figure 7**, were derived by combining the background traffic growth (**Figure 5**) and other background development traffic volumes (**Figure 6**).

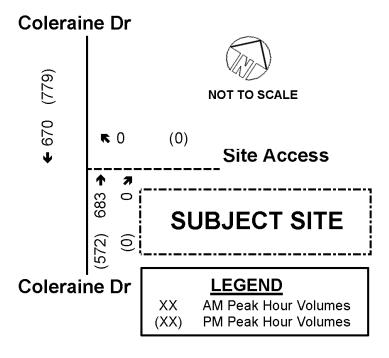


Figure 7 Future background traffic volumes

## 4. Proposed site generated traffic

Based on the current site plan, the proposed development consists of an industrial building with a total gross floor area (GFA) of 3,281.48 m $^2$  (35,321.6 ft $^2$ ) including 803.2 m $^2$  (8,645.6 ft $^2$ ) office, 1,050.22 m $^2$  (11,304.5 ft $^2$ ) warehouse and 1,428.06 m $^2$  (15,371.6 ft $^2$ ) maintenance shop uses.

The subject site vehicular trips were estimated based on the trip rates of General Office (Land Use Code #710), Warehouse (LUC #150) and Automobile Care Center (LUC #942) provided by Trip Generation, 11th Edition, published by the Institute of Transportation Engineers (ITE). The Automobile Care Centre (LUC #942) was selected since it closely represents the expected activity at the site. The maintenance shop is to repair trucks. There are approximately 12 work stations, therefore 24 vehicle trips entering and the 26 trip exiting estimated during the AM and PM peak hours (Table 1), are an over-estimation, however conservative for the purpose of assessing the traffic capacity of the site access.

Considering the proposed site land use GFAs may be modified, this analysis increases and rounds the land use GFAs, as conservative conditions.

The ITE's Trip Generation Manual provides two different methods to generate the trips: either using average rates or using the fitted curve equations. The estimated trips related to the proposed developments are summarized in **Table 1**. **Appendix D** contains the ITE Trip Generation details.

Table 1 Site trip generation

Site Development	GFA	Parameter		Weekday Peak H	•		Weekday Peak H	·
	(1000 ft <sup>2</sup> )		In	Out	Total	In	Out	Total
Office (LLIC 710)	10	New Trips (Average Rate)	13	2	15	2	12	14
Office (LUC 710)	10	New Trips (Fitted Curve)	20	3	23	4	21	25
Warehouse (LUC	12	New Trips (Average Rate)	2	0	2	1	1	2
150)	12	New Trips (Fitted Curve)	19	6	25	8	20	28
Maintenance Shop	16	New Trips (Average Rate)	24	12	36	24	26	50
(LUC 942)	10	New Trips (Fitted Curve)	-	-	-	24	26	50
	Total New	v Trips	63	21	84	36	67	103

To be conservative, this study uses the larger trips of the average rate and fitted curve equations (resulting in more trips) to estimate trips generated by the proposed subject site.

Although there could be an allowance for transit and active transportation modes, vehicle trip reductions were not considered for this analysis, to be conservative. Accordingly, the site trips are expected to be 84 two-way vehicle trips during the weekday AM peak hour and 103 two-way vehicle trips during the weekday PM peak hour.

The site trips are assigned to the roadway network via the proposed right-in /right-out access.

**Figure 8** shows the resulting site generated trips assigned to the study intersection during the weekday AM and PM peak hours, respectively.

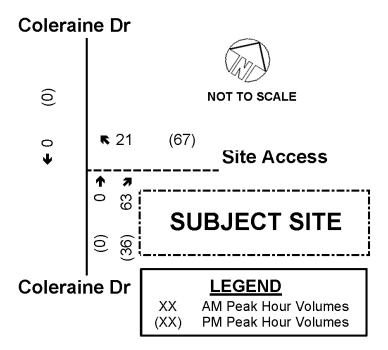


Figure 8 Site traffic volumes

### 5. Future total traffic

The future background traffic volumes (**Figure 7**) were combined with the estimated site trips (**Figure 8**) to estimate the total weekday AM and weekday PM traffic volumes. The total traffic volumes for the weekday AM and PM peak hours are presented in **Figure 9**.

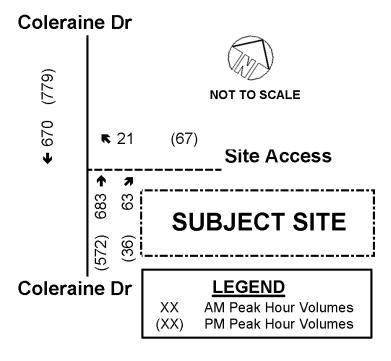


Figure 9 Future total traffic volumes

→ The Power of Commitment

### 6. Future traffic conditions

This section presents the traffic impact analysis and summarizes the traffic operations of the future street network after the introduction of the subject site generated traffic.

Measuring projecting future traffic volumes quantifies traffic flow for the study intersection. To assess quality of flow, roadway capacity analyses were conducted with respect to future traffic volume conditions, assuming the proposed development is constructed.

The effectiveness of an intersection's operations is measured in terms of Level-of-Service (LOS). LOS ranges from LOS 'A' to LOS 'F', with LOS 'A' being the best level of operation for an intersection representing free flow conditions where the general level of comfort and convenience experienced by motorists is excellent, and LOS 'F' representing an at-capacity condition with congestion, and occasionally severe delays and queuing.

For analysis purposes, 'critical' intersection movements are defined as traffic movements where:

- Volume to capacity (V/C) ratio of through movement or shared through/turning movement exceeds 0.85;
- Volume to capacity (V/C) ratio of an exclusive turning movement exceeds 1.0.

These capacity analyses are based on the methodology contained in the Highway Capacity Manual, which assigns an intersection Level of Service (LOS) based on the average control delay experienced by each vehicle passing through that intersection. Synchro software was utilized to conduct the analysis.

The existing intersection peak hour factors were based on the traffic count data and used for future scenarios in the Synchro analysis.

**Table 2** summarizes the future total traffic operations for the study intersection. Detailed intersection capacity analysis reports can be found in **Appendix E**.

Table 2 Total traffic conditions

			AM Peak Hour			PM Peak Hour	
Intersection	Control Type	Overall v/c (LOS) Delay in Seconds	Critical/ Key Movements v/c(LOS) Delay in Seconds	95th % ile Queues (m)	Overall v/c (LOS) Delay in Seconds	Critical/ Key Movements v/c(LOS) Delay in Seconds	95th % ile Queues (m)
Coleraine Drive & Site Access	Unsignalized	WBR 0.04 (B) 11	WBR = 0.04 (B) 11 NBT = 0.29 (A) 0 NBTR = 0.19 (A) 0 SBT = 0.21 (A) 0 SBT = 0.21 (A) 0	NBT = 0 m NBTR = 0 m SBT = 0 m	WBR 0.11 (B) 11	WBR = 0.11 (B) 11 NBT = 0.24 (A) 0 NBTR = 0.14 (A) 0 SBT = 0.25 (A) 0 SBT = 0.25 (A) 0	NBTR = 0 m SBT = 0 m

A review of **Table 2** indicates that under future total traffic conditions, all movements at the study intersection are expected to operate with LOS 'B' or better during the weekday AM and PM peak hours, with delays less than 11 seconds. The v/c ratios during the weekday peak hours are 0.29 or less, indicating that all movements have substantial reserve capacity.

→ The Power of Commitment

Based on the above analysis, the subject site development does not add significant adverse impacts onto the study area roadway and intersection. The proposed development traffic can be accommodated by the adjacent street system without operational issues at the study intersection. There is no road improvements triggered as a result of the subject site development.

# 7. Parking supply review

Based on the current site plan, the proposed development consists of an industrial building with a total gross floor area (GFA) of 3,281.48 m<sup>2</sup> including 803.2 m<sup>2</sup> office, 1,050.22 m<sup>2</sup> warehouse and 1,428.06 m<sup>2</sup> maintenance shop uses with 66 passenger vehicle parking spaces provided.

# 7.1 Review of Town's parking By-Law requirements

Based on our review of the Town of Caledon Zoning By-law parking requirements (Section 5, provided in **Appendix F**), **Table 3** summarizes the Town's requirements for the number of parking spaces.

Table 3 Town's parking requirements

Landllas	OFA (m2)	By-Law Requi	rement
Land Use	GFA (m²)	Parking Rate	Parking Spaces
Office	803.2	1.0 space / 30 m <sup>2</sup>	27
Warehouse	1,050.22	1.0 space / 90 m <sup>2</sup>	12
Maintenance Shop	1,428.06	1.0 space / 90 m <sup>2</sup>	16
	Total		55

Therefore, the proposed parking supply of 66 passenger vehicle spaces exceeds the Town's By-law requirement of 55 spaces with an extra 11 parking spaces.

### 8. Site circulation review

The site plan was reviewed with respect to design vehicle circulation using AutoTURN software.

Based on the analysis, the vehicle sweep path review confirms that the proposed site plan is sufficient to accommodate the circulation requirements of WB-20 tractor-trailers as illustrated in the figures provided in **Appendix G**.

Therefore, the proposed site plan has been reviewed and found to be acceptable in terms of vehicular flow, loading, and parking space accessibility. The proposed site access is sufficient to accommodate circulation requirements of the typical service and transport trucks.

### 9. Conclusions and recommendations

• The objective of this study is to determine the anticipated traffic volumes generated by the proposed development (12155 Coleraine Drive) during the critical weekday AM and weekday PM peak hours; to assess the impact of this traffic on the nearby roadways; to confirm that the proposed parking supply meets Town of Caledon bylaw parking requirements, and to demonstrate that vehicle circulation can be accommodated by the proposed site plan.

- A Transportation Impact Study for the industrial block at Coleraine Drive and Mayfield Road bounded by Coleraine Drive, Parr Boulevard, future Simpson Road, and Mayfield Road was conducted (including the subject site) in November 2023 (referred to herein as the **November 2023 TIS**). The background traffic forecasts are built on the information contained in that traffic study.
- Based on the current site plan, the proposed development consists of an industrial building with a total gross floor area (GFA) of 3,281.48 m<sup>2</sup> including 803.2 m<sup>2</sup> office, 1,050.22 m<sup>2</sup> warehouse and 1,428.06 m<sup>2</sup> maintenance shop uses with 66 passenger vehicle parking spaces provided.
- The property has an existing access on Coleraine Drive. The proposed site access will be a right-in /right-out access.
- The subject development is expected to generate 84 two-way vehicle trips during the weekday AM peak hour and 103 two-way vehicle trips during the weekday PM peak hour.
- The capacity analyses concludes that the proposed development can be satisfactorily accommodated by
  the abutting roadway system. Traffic generated by the proposed development does not add significant
  adverse impacts on the study area roadway and intersection. No road and intersection improvements are
  triggered as a result of this development.
- Based on our review of the Town of Caledon Zoning By-law parking requirements, the proposed parking supply of 66 passenger vehicle spaces exceeds the Town's By-law requirement of 55 spaces with a surplus of 11 parking spaces.
- The vehicle sweep path review confirms that the proposed site plan is sufficient to accommodate the circulation requirements of WB-20 tractor-trailers.

Based on the foregoing, it is our opinion that the future road network can easily accommodate the estimated subject site traffic without impact and that there are no anticipated operational issues at the study area roadways.

We trust the enclosed is sufficient for your needs, but please do not hesitate to contact the undersigned should you require any additional assistance.

Sincerely,

**GHD** 

Hong Shen, M.Eng., P.Eng. Senior Project Engineer hong.shen@ghd.com

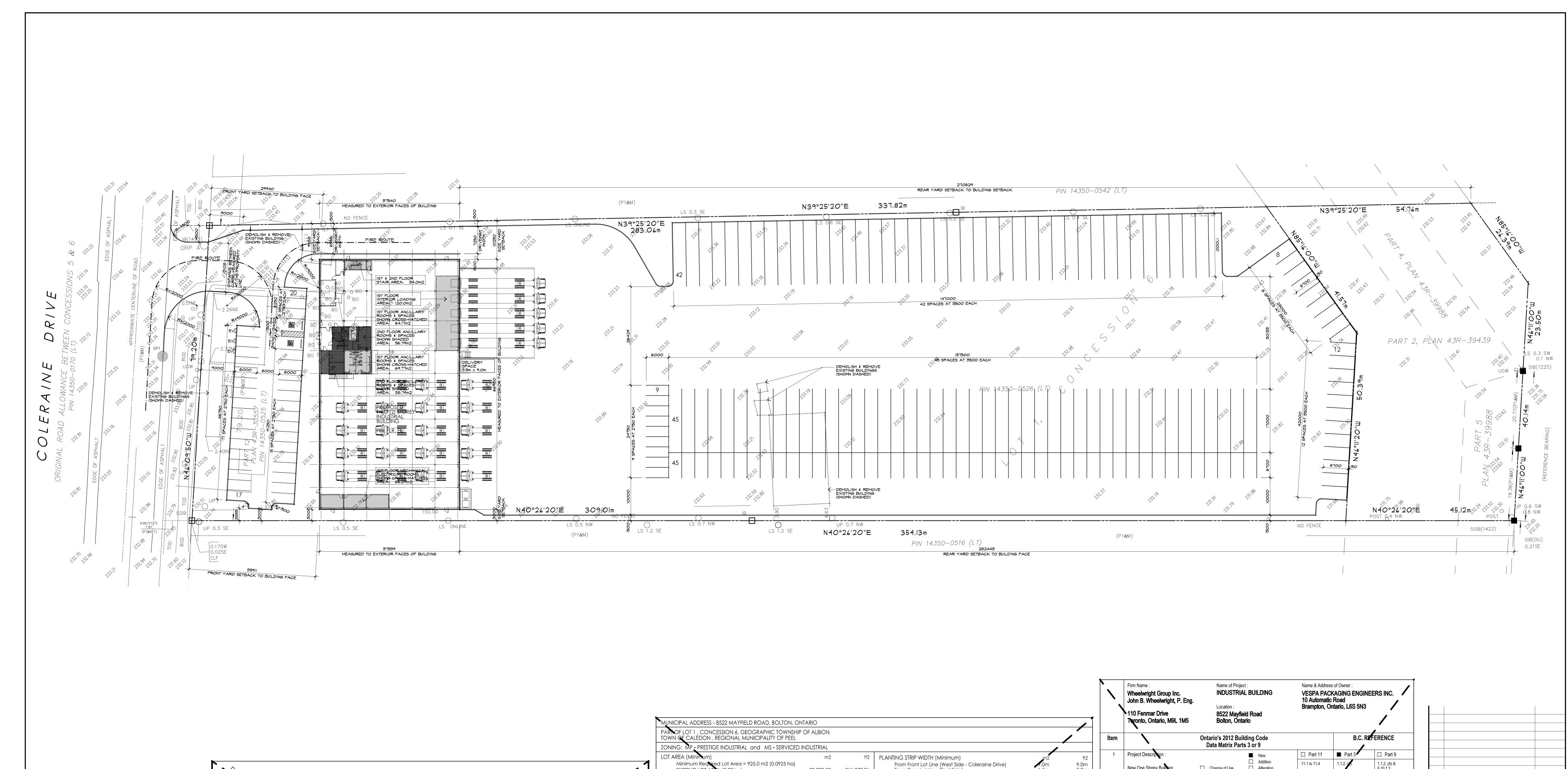
Attach. Appendices A-G

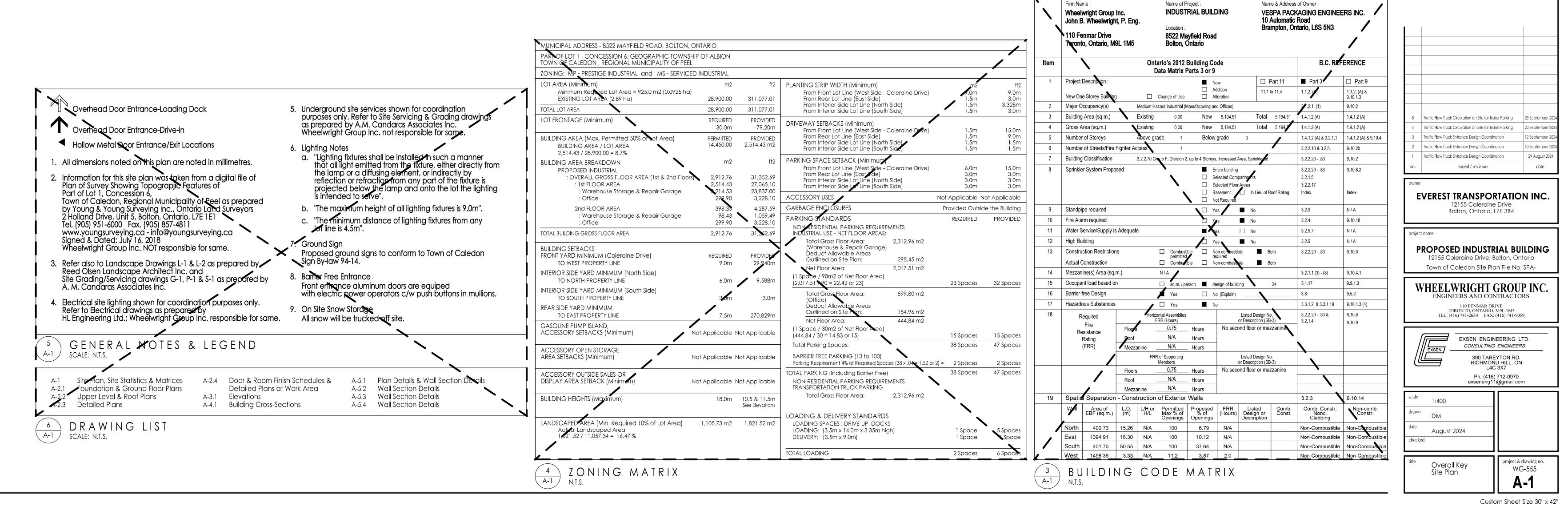
RR/hs



Roland Roovers, P.Eng.
Senior Manager, Transportation Planning roland.roovers@ghd.com

# Appendix A Site Plan





# Appendix B Traffic Data



ırt Time				Southbound OLERAINE I						Westbound MAYFIELD F						Northboun COLERAINE						Eastbound MAYFIELD I			Int. To (15 m
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
7:00:00	24	94	55	0	0	173	8	49	10	0	0	67	7	72	15	0	0	94	68	44	8	0	0	120	454
7:15:00	31	86	37	0	0	154	4	48	15	0	0	67	11	79	8	0	0	98	87	49	6	0	0	142	46
7:30:00	28	69	34	0	0	131	7	50	11	0	0	68	6	56	8	0	0	70	64	50	4	0	0	118	38
7:45:00	15	85	29	0	0	129	9	62	10	0	0	81	4	53	10	0	0	67	89	77	10	0	0	176	45
lourly	98	334	155	0	0	587	28	209	46	0	0	283	28	260	41	0	0	329	308	220	28	0	0	556	17
:00:00	17	61	28	0	0	106	12	53	10	0	0	75	9	68	2	0	0	79	66	61	8	0	0	135	3
:15:00	11	87	25	0	0	123	5	54	14	0	0	73	2	56	9	0	0	67	50	54	7	0	0	111	3
:30:00	24	69	33	0	0	126	9	48	7	0	0	64	5	64	7	0	0	76	73	58	14	0	0	145	4
:45:00	18	57	36	0	0	111	5	44	10	0	0	59	6	89	6	0	0	101	69	62	8	0	0	139	4
lourly	70	274	122	0	0	466	31	199	41	0	0	271	22	277	24	0	0	323	258	235	37	0	0	530	15
***BREAK	***	·····																							
:00:00	18	45	31	0	0	94	4	42	19	0	0	65	10	38	4	0	0	52	26	49	9	0	1	84	2
15:00	9	33	28	0	0	70	8	45	16	0	0	69	5	53	6	0	0	64	34	48	6	0	0	88	2
30:00	20	48	36	0	0	104	13	38	12	0	0	63	5	33	3	0	0	41	31	46	8	0	0	85	2
15:00	19	44	18	0	0	81	7	44	12	0	0	63	3	41	4	0	0	48	41	49	11	0	0	101	
ourly	66	170	113	0	0	349	32	169	59	0	0	260	23	165	17	0	0	205	132	192	34	0	1	358	1
00:00	23	42	38	0	0	103	3	48	10	0	0	61	5	32	5	0	0	42	27	51	10	0	0	88	
15:00	22	35	26	0	0	83	3	44	11	0	0	58	4	38	3	0	0	45	37	39	9	0	0	85	
30:00	22	66	27	0	0	115	6	52	15	0	0	73	3	44	2	0	0	49	30	47	9	0	0	86	
45:00	13	48	32	0	0	93	7	30	13	0	0	50	3	48	2	0	0	53	37	54	8	0	0	99	
ourly	80	191	123	0	0	394	19	174	49	0	0	242	15	162	12	0	0	189	131	191	36	0	0	358	1
00:00	19	43	28	0	0	90	6	62	12	0	0	80	7	38	3	0	0	48	28	39	7	0	0	74	:
15:00	13	61	36	0	0	110	10	52	19	0	0	81	6	43	7	0	0	56	49	38	9	0	0	96	:
30:00	16	51	45	0	0	112	4	46	14	0	0	64	10	47	6	0	0	63	40	38	8	0	0	86	:
45:00	14	51	47	0	0	112	3	48	19	0	0	70	9	56	5	0	0	70	47	30	9	0	0	86	:
lourly	62	206	156	0	0	424	23	208	64	0	0	295	32	184	21	0	0	237	164	145	33	0	0	342	1:
***BREAK	***	,																							
00:00	17	82	111	0	0	210	11	63	15	0	0	89	7	67	4	0	0	78	43	65	6	0	0	114	1
15:00	23	78	66	0	1	167	9	62	20	0	0	91	13	94	7	0	0	114	48	66	7	0	0	121	1
30:00	15	96	70	0	0	181	24	95	12	0	0	131	6	69	7	0	0	82	38	57	13	0	0	108	:
45:00	23	61	52	1	0	137	10	59	13	0	0	82	6	68	8	0	0	82	41	70	8	0	0	119	1
urly	78	317	299	1	1	695	54	279	60	0	0	393	32	298	26	0	0	356	170	258	34	0	0	462	1
00:00	20	92	89	0	0	201	7	71	15	0	0	93	6	66	10	0	0	82	38	50	4	0	0	92	
15:00	14	72	69	0	0	155	6	61	17	0	0	84	6	70	9	0	0	85	39	62	7	0	0	108	1
30:00	17	86	72	0	0	175	9	83	15	0	0	107	9	62	9	0	0	80	31	46	6	0	0	83	1
45:00	8	53	48	0	0	109	10	84	13	0	0	107	7	61	5	0	0	73	37	53	4	0	0	94	
ourly	59	303	278	0	0	640	32	299	60	0	0	391	28	259	33	0	0	320	145	211	21	0	0	377	1
00:00	20	115	88	0	0	223	13	91	17	0	0	121	9	72	4	0	0	85	54	48	5	0	0	107	
15:00	8	57	58	0	0	123	15	67	14	0	0	96	6	73	7	0	0	86	44	59	4	0	0	107	<del>                                     </del>
30:00	9	74	93	0	0	176	5	70	16	0	0	91	8	81	6	0	0	95	43	56	2	0	0	101	-
45:00	15	52	66	1	0	134	4	49	16	0	0	69	6	80	8	0	0	94	65	51	4	0	0	120	1
ourly	52	298	305	1	0	656	37	277	63	0	0	377	29	306	25	0	0	360	206	214	15	0	0	435	1
d Total	565	2093	1551	2	1	4211	256	1814	442	0	0	2512	209	1911	199	0	0	2319	1514	1666	238	0	1	3418	12
oach%	13.4%	49.7%	36.8%	0%		-	10.2%	72.2%	17.6%	0%			9%	82.4%	8.6%	0%		-	44.3%	48.7%	7%	0%		-	
als %	4.5%	16.8%	12.4%	0%		33.8%	2.1%	14.6%	3.5%	0%		20.2%	1.7%	15.3%	1.6%	0%		18.6%	12.2%	13.4%	1.9%	0%		27.4%	

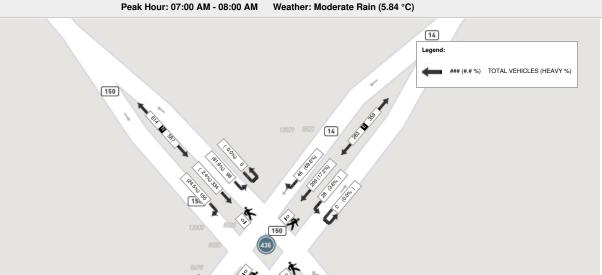


Heavy	459	76	358	0	-	37	331	337	0	=	36	94	45	0	-	373	315	33	0	-	-	
Heavy %	81.2%	3.6%	23.1%	0%	-	14.5%	18.2%	76.2%	0%	-	17.2%	4.9%	22.6%	0%	-	24.6%	18.9%	13.9%	0%	-	-	
Bicycles	-	-	-	-	-	-	-	-	-	=	-	-	-	-	-	-	-	-	-	-	-	
Bicycle %	_	_	_	_	_	-	_	_	_		_	_	_	_	_	_		_				

								Pe	ak Hou	r: 07:00	) AM - (	08:00 AM We	eather: N	/loderat	e Rain (	5.84 °C	)								
Start Time			; C	Southboun OLERAINE	<b>d</b> DR				N	Westbound MAYFIELD F	<b>d</b> RD				С	Northbound OLERAINE	<b>d</b> DR					<b>Eastbound</b> MAYFIELD	i RD		Int. Total (15 min)
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
07:00:00	24	94	55	0	0	173	8	49	10	0	0	67	7	72	15	0	0	94	68	44	8	0	0	120	454
07:15:00	31	86	37	0	0	154	4	48	15	0	0	67	11	79	8	0	0	98	87	49	6	0	0	142	461
07:30:00	28	69	34	0	0	131	7	50	11	0	0	68	6	56	8	0	0	70	64	50	4	0	0	118	387
07:45:00	15	85	29	0	0	129	9	62	10	0	0	81	4	53	10	0	0	67	89	77	10	0	0	176	453
Grand Total	98	334	155	0	0	587	28	209	46	0	0	283	28	260	41	0	0	329	308	220	28	0	0	556	1755
Approach%	16.7%	56.9%	26.4%	0%		-	9.9%	73.9%	16.3%	0%		-	8.5%	79%	12.5%	0%		-	55.4%	39.6%	5%	0%		-	-
Totals %	5.6%	19%	8.8%	0%		33.4%	1.6%	11.9%	2.6%	0%		16.1%	1.6%	14.8%	2.3%	0%		18.7%	17.5%	12.5%	1.6%	0%		31.7%	-
PHF	0.79	0.89	0.7	0		0.85	0.78	0.84	0.77	0		0.87	0.64	0.82	0.68	0		0.84	0.87	0.71	0.7	0		0.79	
Heavy	80	8	38	0		126	1	36	32	0		69	3	7	12	0		22	32	44	0	0		76	-
Heavy %	81.6%	2.4%	24.5%	0%		21.5%	3.6%	17.2%	69.6%	0%		24.4%	10.7%	2.7%	29.3%	0%		6.7%	10.4%	20%	0%	0%		13.7%	
Lights	18	326	117	0		461	27	173	14	0		214	25	253	29	0		307	276	176	28	0		480	-
Lights %	18.4%	97.6%	75.5%	0%		78.5%	96.4%	82.8%	30.4%	0%		75.6%	89.3%	97.3%	70.7%	0%		93.3%	89.6%	80%	100%	0%		86.3%	-
Single-Unit Trucks	37	5	15	0		57	0	11	16	0		27	0	6	0	0		6	11	12	0	0		23	-
Single-Unit Trucks %	37.8%	1.5%	9.7%	0%		9.7%	0%	5.3%	34.8%	0%		9.5%	0%	2.3%	0%	0%		1.8%	3.6%	5.5%	0%	0%		4.1%	-
Buses	0	0	0	0		0	0	5	0	0		5	0	0	0	0		0	0	3	0	0		3	-
Buses %	0%	0%	0%	0%		0%	0%	2.4%	0%	0%		1.8%	0%	0%	0%	0%		0%	0%	1.4%	0%	0%		0.5%	-
Articulated Trucks	43	3	23	0		69	1	20	16	0		37	3	1	12	0		16	21	29	0	0		50	-
Articulated Trucks %	43.9%	0.9%	14.8%	0%		11.8%	3.6%	9.6%	34.8%	0%		13.1%	10.7%	0.4%	29.3%	0%		4.9%	6.8%	13.2%	0%	0%		9%	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-

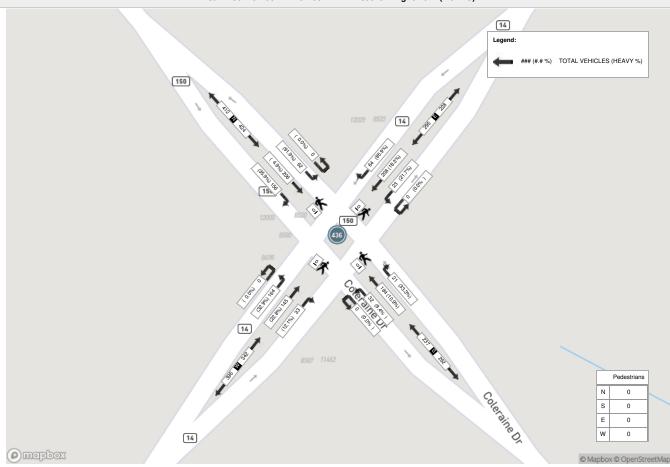
									Peak H	our: 01	:00 PM	- 02:00 PM \	Veather	: Light F	Rain (4.	57 °C)									
Start Time			С	Southboun OLERAINE	<b>d</b> DR				N	Westbound MAYFIELD I	d RD				С	Northboun OLERAINE	<b>d</b> DR					Eastbound MAYFIELD R			Int. Total (15 min)
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
13:00:00	19	43	28	0	0	90	6	62	12	0	0	80	7	38	3	0	0	48	28	39	7	0	0	74	292
13:15:00	13	61	36	0	0	110	10	52	19	0	0	81	6	43	7	0	0	56	49	38	9	0	0	96	343
13:30:00	16	51	45	0	0	112	4	46	14	0	0	64	10	47	6	0	0	63	40	38	8	0	0	86	325
13:45:00	14	51	47	0	0	112	3	48	19	0	0	70	9	56	5	0	0	70	47	30	9	0	0	86	338
Grand Total	62	206	156	0	0	424	23	208	64	0	0	295	32	184	21	0	0	237	164	145	33	0	0	342	1298
Approach%	14.6%	48.6%	36.8%	0%		-	7.8%	70.5%	21.7%	0%		-	13.5%	77.6%	8.9%	0%		-	48%	42.4%	9.6%	0%		-	-
Totals %	4.8%	15.9%	12%	0%		32.7%	1.8%	16%	4.9%	0%		22.7%	2.5%	14.2%	1.6%	0%		18.3%	12.6%	11.2%	2.5%	0%		26.3%	-
PHF	0.82	0.84	0.83	0		0.95	0.58	0.84	0.84	0		0.91	0.8	0.82	0.75	0		0.85	0.84	0.93	0.92	0		0.89	-
Heavy	57	10	56	0		123	5	38	55	0		98	3	20	7	0		30	54	33	4	0		91	
Heavy %	91.9%	4.9%	35.9%	0%		29%	21.7%	18.3%	85.9%	0%		33.2%	9.4%	10.9%	33.3%	0%		12.7%	32.9%	22.8%	12.1%	0%		26.6%	-
Lights	5	196	100	0		301	18	170	9	0		197	29	164	14	0		207	110	112	29	0		251	
Lights %	8.1%	95.1%	64.1%	0%		71%	78.3%	81.7%	14.1%	0%		66.8%	90.6%	89.1%	66.7%	0%		87.3%	67.1%	77.2%	87.9%	0%		73.4%	-
Single-Unit Trucks	16	9	20	0		45	2	18	13	0		33	2	18	2	0		22	20	17	1	0		38	-
Single-Unit Trucks %	25.8%	4.4%	12.8%	0%		10.6%	8.7%	8.7%	20.3%	0%		11.2%	6.3%	9.8%	9.5%	0%		9.3%	12.2%	11.7%	3%	0%		11.1%	-
Buses	0	0	0	0		0	0	1	0	0		1	0	0	0	0		0	0	0	0	0		0	-
Buses %	0%	0%	0%	0%		0%	0%	0.5%	0%	0%		0.3%	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	-
Articulated Trucks	41	1	36	0		78	3	19	42	0		64	1	2	5	0		8	34	16	3	0		53	-
Articulated Trucks %	66.1%	0.5%	23.1%	0%		18.4%	13%	9.1%	65.6%	0%		21.7%	3.1%	1.1%	23.8%	0%		3.4%	20.7%	11%	9.1%	0%		15.5%	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-

								Pea	k Hour	: 03:00	PM - 04	1:00 PM Wea	ther: O	ercast	Clouds	(5.56°C	C)								
Start Time			C	Southboun OLERAINE	<b>d</b> DR				N	Westbound MAYFIELD F	<b>d</b> RD				С	Northboun OLERAINE	<b>d</b> DR				N	Eastbound MAYFIELD F	RD		Int. Total (15 min)
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
15:00:00	17	82	111	0	0	210	11	63	15	0	0	89	7	67	4	0	0	78	43	65	6	0	0	114	491
15:15:00	23	78	66	0	1	167	9	62	20	0	0	91	13	94	7	0	0	114	48	66	7	0	0	121	493
15:30:00	15	96	70	0	0	181	24	95	12	0	0	131	6	69	7	0	0	82	38	57	13	0	0	108	502
15:45:00	23	61	52	1	0	137	10	59	13	0	0	82	6	68	8	0	0	82	41	70	8	0	0	119	420
Grand Total	78	317	299	1	1	695	54	279	60	0	0	393	32	298	26	0	0	356	170	258	34	0	0	462	1906
Approach%	11.2%	45.6%	43%	0.1%		-	13.7%	71%	15.3%	0%		-	9%	83.7%	7.3%	0%		-	36.8%	55.8%	7.4%	0%		-	-
Totals %	4.1%	16.6%	15.7%	0.1%		36.5%	2.8%	14.6%	3.1%	0%		20.6%	1.7%	15.6%	1.4%	0%		18.7%	8.9%	13.5%	1.8%	0%		24.2%	-
PHF	0.85	0.83	0.67	0.25		0.83	0.56	0.73	0.75	0		0.75	0.62	0.79	0.81	0		0.78	0.89	0.92	0.65	0		0.95	<del>.</del>
Heavy	59	10	47	0		116	6	50	45	0		101	8	9	4	0		21	43	49	8	0		100	
Heavy %	75.6%	3.2%	15.7%	0%		16.7%	11.1%	17.9%	75%	0%		25.7%	25%	3%	15.4%	0%		5.9%	25.3%	19%	23.5%	0%		21.6%	<del>.</del>
Lights	19	307	252	1		579	48	229	15	0		292	24	289	22	0		335	127	209	26	0		362	-
Lights %	24.4%	96.8%	84.3%	100%		83.3%	88.9%	82.1%	25%	0%		74.3%	75%	97%	84.6%	0%		94.1%	74.7%	81%	76.5%	0%		78.4%	-
Single-Unit Trucks	14	9	11	0		34	2	9	10	0		21	2	9	0	0		11	17	18	3	0		38	-
Single-Unit Trucks %	17.9%	2.8%	3.7%	0%		4.9%	3.7%	3.2%	16.7%	0%		5.3%	6.3%	3%	0%	0%		3.1%	10%	7%	8.8%	0%		8.2%	-
Buses	0	0	0	0		0	1	4	2	0		7	0	0	0	0		0	1	3	1	0		5	-
Buses %	0%	0%	0%	0%		0%	1.9%	1.4%	3.3%	0%		1.8%	0%	0%	0%	0%		0%	0.6%	1.2%	2.9%	0%		1.1%	-
Articulated Trucks	45	1	36	0		82	3	37	33	0		73	6	0	4	0		10	25	28	4	0		57	-
Articulated Trucks %	57.7%	0.3%	12%	0%		11.8%	5.6%	13.3%	55%	0%		18.6%	18.8%	0%	15.4%	0%		2.8%	14.7%	10.9%	11.8%	0%		12.3%	-
Pedestrians	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	100%		-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-



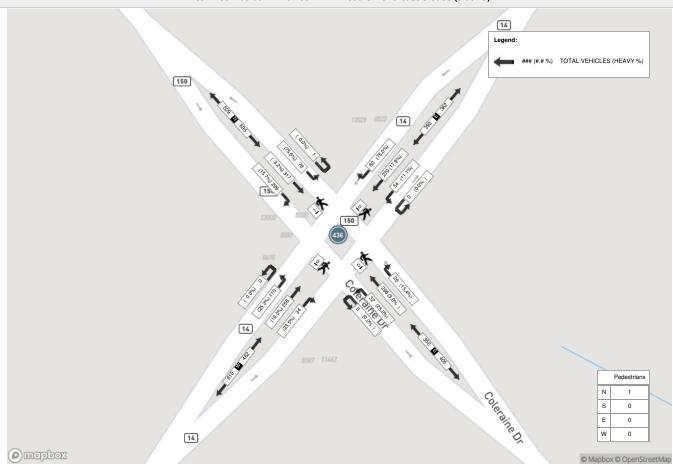
Peel Region SUITE B 10 PEEL CENTRE DR BRAMPTON ONTARIO, L6T 4B9 CANADA

Peak Hour: 01:00 PM - 02:00 PM Weather: Light Rain (4.57 °C)



Peel Region SUITE B 10 PEEL CENTRE DR BRAMPTON ONTARIO, L6T 4B9 CANADA

### Peak Hour: 03:00 PM - 04:00 PM Weather: Overcast Clouds (5.56 °C)



				Caudhiron						Meet!						Manth: - · ·						Factor.			Anne 1
art Time			C	Southboun OLERAINE	DR					PARR BLV						Northbound OLERAINE					V	Eastboun VEST DRIVE			Int. 1 (15 i
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Щ
7:00:00	14	124	1	0	0	139	16	1	9	0	0	26	4	140	12	0	0	156	2	1	2	0	0	5	3
7:15:00	20	129	1	0	0	150	8	0	14	0	0	22	3	155	21	0	0	179	0	0	0	0	0	0	3
7:30:00	12	107	2	0	0	121	3	0	4	0	0	7	3	104	17	0	0	124	1	0	0	0	0	1	2
7:45:00	12	113	3	0	0	128	3	2	3	0	0	8	8	108	26	0	0	142	1	0	1	0	0	2	
Hourly	58	473	7	0	0	538	30	3	30	0	0	63	18	507	76	0	0	601	4	1	3	0	0	8	1
8:00:00	16	86	4	0	0	106	7	0	14	0	0	21	5	118	20	0	0	143	0	0	0	0	0	0	
8:15:00	15	113	0	0	0	128	4	2	5	0	0	11	5	102	13	0	0	120	0	0	2	0	0	2	
8:30:00	17	103	1	0	0	121	14	1	6	0	0	21	6	88	37	0	0	131	2	0	3	0	0	5	
8:45:00	18	83	1	0	0	102	20	1	12	0	0	33	7	118	38	0	0	163	0	0	1	0	0	1	
Hourly	66	385	6	0	0	457	45	4	37	0	0	86	23	426	108	0	0	557	2	0	6	0	0	8	
***BREAK	***																								
1:00:00	3	78	3	0	0	84	5	1	17	0	0	23	0	71	5	0	0	76	5	0	1	0	1	6	
1:15:00	7	67	6	0	0	80	4	2	12	0	0	18	4	83	13	0	0	100	2	0	2	0	0	4	
1:30:00	13	93	6	0	0	112	4	1	7	0	0	12	5	62	13	0	0	80	5	1	1	0	0	7	
1:45:00	3	66	2	0	0	71	7	0	13	0	0	20	6	65	6	0	0	77	0	1	4	0	0	5	
Hourly	26	304	17	0	0	347	20	4	49	0	0	73	15	281	37	0	0	333	12	2	8	0	1	22	
2:00:00	7	86	2	0	0	95	6	0	11	0	0	17	3	58	5	0	0	66	2	2	0	0	0	4	$\top$
2:15:00	3	69	3	0	0	75	6	1	10	0	0	17	5	69	12	0	0	86	1	1	1	0	0	3	
2:30:00	7	97	3	0	0	107	2	3	16	0	0	21	7	61	14	0	0	82	0	0	2	0	0	2	$\top$
2:45:00	9	76	3	0	0	88	5	2	15	0	0	22	4	72	9	0	0	85	1	1	1	0	0	3	$\top$
Hourly	26	328	11	0	0	365	19	6	52	0	0	77	19	260	40	0	0	319	4	4	4	0	0	12	
3:00:00	3	76	8	0	0	87	4	5	9	0	0	18	5	64	14	0	0	83	3	3	2	0	0	8	$\top$
3:15:00	5	83	9	0	0	97	9	4	10	0	1	23	10	70	20	0	0	100	10	5	2	0	0	17	
3:30:00	1	87	7	0	0	95	10	2	22	0	0	34	8	78	18	0	0	104	2	2	2	0	0	6	+
3:45:00	4	78	8	0	0	90	8	2	16	0	0	26	19	74	11	0	0	104	6	0	2	0	0	8	+
Hourly	13	324	32	0	0	369	31	13	57	0	1	101	42	286	63	0	0	391	21	10	8	0	0	39	
***BREAK		······																							
5:00:00	14	174	1	2	0	191	11	1	18	0	0	30	3	107	18	0	0	128	5	4	28	0	0	37	$\top$
5:15:00	10	130	1	0	0	141	20	0	23	0	0	43	2	122	21	0	0	145	2	0	6	0	0	8	+
5:30:00	13	130	0	0	0	143	33	1	30	0	0	64	5	103	15	1	0	124	2	1	6	0	0	9	+
5:45:00	1	121	3	0	0	125	8	2	20	0	0	30	3	98	15	0	0	116	2	0	3	0	0	5	+
Hourly	38	555	5	2	0	600	72	4	91	0	0	167	13	430	69	1	0	513	11	5	43	0	0	59	
6:00:00	15	144	0	0	0	159	30	0	19	0	0	49	1	97	9	2	0	109	0	1	6	0	0	7	
	6	119	1	0	0	126	11	1	23	0	0	35	1	99	13	0	0	113	0	3	5	0	0	8	+
6:15:00	5	137	0	0	0	142	-	0	29	0	0	49	1	95	10	0	0	106	1	0	3	0	0	4	+
6:30:00							20						-		-	_			_			-	0	5	+
6:45:00	3	82	1	0	0	86	12	0	14	0	0	26	1	270	12	0	0	100	1	1	17	0			
Hourly	29	482	2	0	0	513	73	1	85	0	0	159	4	378	44	2	0	428	2	5	17	0	0	24	
7:00:00	5	157	0	0	0	162	43	1	34	0	0	78	6	128	5	0	0	139	2	1	4	0	0	7	+
7:15:00	7	98	1	0	0	106	9	0	16	0	0	25	0	117	7	2	0	126	0	3	2	0	0	5	+
7:30:00	7	150	0	0	0	157	13	0	26	0	0	39	0	118	8	0	0	126	0	0	2	0	0	2	+
7:45:00	6	95	2	0	0	103	13	0	12	0	0	25	4	156	5	0	0	165	1	0	7	0	0	8	-
Hourly	25	500	3	0	0	528	78	1	88	0	0	167	10	519	25	2	0	556	3	4	15	0	0	22	+
ind Total	281	3351	83	2	0	3717	368	36	489	0	1	893	144	3087	462	5	0	3698	59	31	104	0	1	194	
oroach%	7.6%	90.2%	2.2%	0.1%		-	41.2%	4%	54.8%	0%		-	3.9%	83.5%	12.5%	0.1%			30.4%	16%	53.6%	0%			



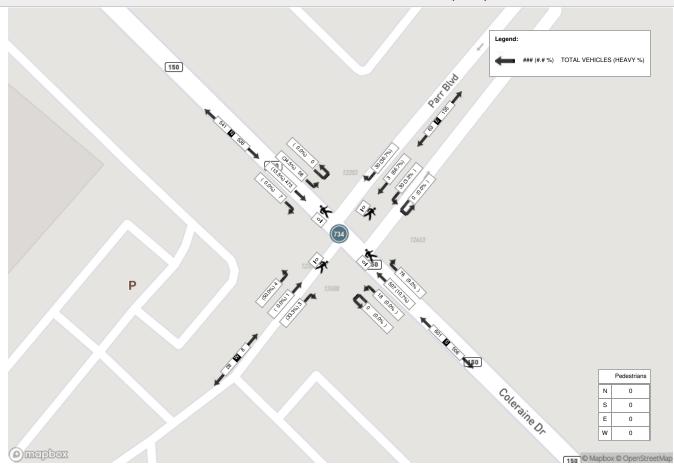
Heavy	89	696	17	0	-	42	18	195	0	-	43	560	76	1	-	6	3	6	0	-	-
Heavy %	31.7%	20.8%	20.5%	0%	-	11.4%	50%	39.9%	0%	-	29.9%	18.1%	16.5%	20%	-	10.2%	9.7%	5.8%	0%	-	-
Bicycles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bicvcle %	-		-		-		-	-	-	_	-					_	-	-	-	-	-

								Pe	ak Hou	ır: 07:00	) AM - (	08:00 AM We	ather: I	Moderat	e Rain (	5.84 °C	)								
Start Time			C	Southboun	nd DR					Westboun	d D				C	Northboun OLERAINE	d DR				W	Eastboun	d WAY		Int. Total (15 min)
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
07:00:00	14	124	1	0	0	139	16	1	9	0	0	26	4	140	12	0	0	156	2	1	2	0	0	5	326
07:15:00	20	129	1	0	0	150	8	0	14	0	0	22	3	155	21	0	0	179	0	0	0	0	0	0	351
07:30:00	12	107	2	0	0	121	3	0	4	0	0	7	3	104	17	0	0	124	1	0	0	0	0	1	253
07:45:00	12	113	3	0	0	128	3	2	3	0	0	8	8	108	26	0	0	142	1	0	1	0	0	2	280
Grand Total	58	473	7	0	0	538	30	3	30	0	0	63	18	507	76	0	0	601	4	1	3	0	0	8	1210
Approach%	10.8%	87.9%	1.3%	0%		-	47.6%	4.8%	47.6%	0%		-	3%	84.4%	12.6%	0%		-	50%	12.5%	37.5%	0%		-	-
Totals %	4.8%	39.1%	0.6%	0%		44.5%	2.5%	0.2%	2.5%	0%		5.2%	1.5%	41.9%	6.3%	0%		49.7%	0.3%	0.1%	0.2%	0%		0.7%	-
PHF	0.73	0.92	0.58	0		0.9	0.47	0.38	0.54	0		0.61	0.56	0.82	0.73	0		0.84	0.5	0.25	0.38	0		0.4	-
Heavy	20	64	0	0		84	1	2	11	0		14	0	54	7	0		61	2	0	1	0		3	
Heavy %	34.5%	13.5%	0%	0%		15.6%	3.3%	66.7%	36.7%	0%		22.2%	0%	10.7%	9.2%	0%		10.1%	50%	0%	33.3%	0%		37.5%	
Lights	38	409	7	0		454	29	1	19	0		49	18	453	69	0		540	2	1	2	0		5	-
Lights %	65.5%	86.5%	100%	0%		84.4%	96.7%	33.3%	63.3%	0%		77.8%	100%	89.3%	90.8%	0%		89.9%	50%	100%	66.7%	0%		62.5%	-
Single-Unit Trucks	10	26	0	0		36	0	2	2	0		4	0	17	3	0		20	0	0	0	0		0	-
Single-Unit Trucks %	17.2%	5.5%	0%	0%		6.7%	0%	66.7%	6.7%	0%		6.3%	0%	3.4%	3.9%	0%		3.3%	0%	0%	0%	0%		0%	•
Buses	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	•
Buses %	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	-
Articulated Trucks	10	38	0	0		48	1	0	9	0		10	0	37	4	0		41	2	0	1	0		3	-
Articulated Trucks %	17.2%	8%	0%	0%		8.9%	3.3%	0%	30%	0%		15.9%	0%	7.3%	5.3%	0%		6.8%	50%	0%	33.3%	0%		37.5%	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-

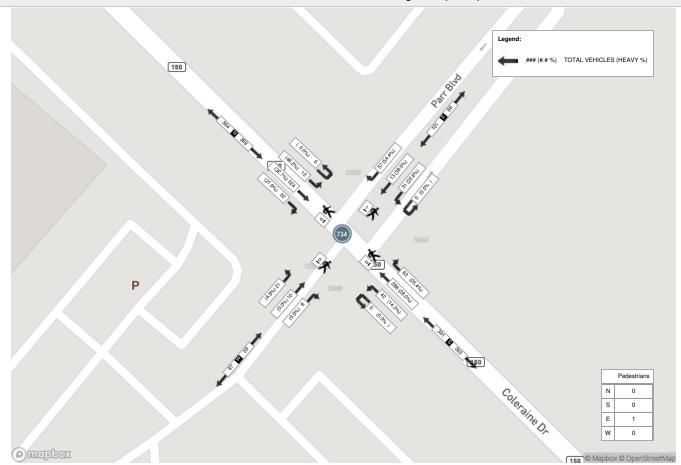
									Peak H	our: 01	:00 PM	- 02:00 PM V	Veather:	Light F	Rain (4.	57 °C)									
Start Time			; Ci	Southboun OLERAINE	d DR					Westboun PARR BLV	<b>d</b> 'D				С	Northboun OLERAINE	<b>d</b> DR				WE	Eastbound EST DRIVEV	VAY		Int. Total (15 min)
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
13:00:00	3	76	8	0	0	87	4	5	9	0	0	18	5	64	14	0	0	83	3	3	2	0	0	8	196
13:15:00	5	83	9	0	0	97	9	4	10	0	1	23	10	70	20	0	0	100	10	5	2	0	0	17	237
13:30:00	1	87	7	0	0	95	10	2	22	0	0	34	8	78	18	0	0	104	2	2	2	0	0	6	239
13:45:00	4	78	8	0	0	90	8	2	16	0	0	26	19	74	11	0	0	104	6	0	2	0	0	8	228
Grand Total	13	324	32	0	0	369	31	13	57	0	1	101	42	286	63	0	0	391	21	10	8	0	0	39	900
Approach%	3.5%	87.8%	8.7%	0%		-	30.7%	12.9%	56.4%	0%		-	10.7%	73.1%	16.1%	0%		-	53.8%	25.6%	20.5%	0%		-	
Totals %	1.4%	36%	3.6%	0%		41%	3.4%	1.4%	6.3%	0%		11.2%	4.7%	31.8%	7%	0%		43.4%	2.3%	1.1%	0.9%	0%		4.3%	-
PHF	0.65	0.93	0.89	0		0.95	0.78	0.65	0.65	0		0.74	0.55	0.92	0.79	0		0.94	0.53	0.5	1	0		0.57	-
Heavy	6	106	7	0		119	7	5	31	0		43	6	80	16	0		102	1	0	0	0		1	
Heavy %	46.2%	32.7%	21.9%	0%		32.2%	22.6%	38.5%	54.4%	0%		42.6%	14.3%	28%	25.4%	0%		26.1%	4.8%	0%	0%	0%		2.6%	-
Lights	7	218	25	0		250	24	8	26	0		58	36	206	47	0		289	20	10	8	0		38	
Lights %	53.8%	67.3%	78.1%	0%		67.8%	77.4%	61.5%	45.6%	0%		57.4%	85.7%	72%	74.6%	0%		73.9%	95.2%	100%	100%	0%		97.4%	-
Single-Unit Trucks	2	38	4	0		44	3	3	11	0		17	4	34	3	0		41	1	0	0	0		1	-
Single-Unit Trucks %	15.4%	11.7%	12.5%	0%		11.9%	9.7%	23.1%	19.3%	0%		16.8%	9.5%	11.9%	4.8%	0%		10.5%	4.8%	0%	0%	0%		2.6%	-
Buses	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	-
Buses %	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	-
Articulated Trucks	4	68	3	0		75	4	2	20	0		26	2	46	13	0		61	0	0	0	0		0	-
Articulated Trucks %	30.8%	21%	9.4%	0%		20.3%	12.9%	15.4%	35.1%	0%		25.7%	4.8%	16.1%	20.6%	0%		15.6%	0%	0%	0%	0%		0%	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	1	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	0%		-	-	-	-	100%		-	-	-	-	0%		-	-	-	-	0%		-

								Pe	ak Hou	r: 03:00	PM - 0	4:00 PM Wea	ather: O	vercast	Clouds	(5.56 °C	;)								
Start Time	Southbound COLERAINE DR					<b>Westbound</b> PARR BLVD					<b>Northbound</b> COLERAINE DR						Eastbound Int. T WEST DRIVEWAY (15 n					Int. Total (15 min)			
	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	Left	Thru	Right	UTurn	Peds	Approach Total	
15:00:00	14	174	1	2	0	191	11	1	18	0	0	30	3	107	18	0	0	128	5	4	28	0	0	37	386
15:15:00	10	130	1	0	0	141	20	0	23	0	0	43	2	122	21	0	0	145	2	0	6	0	0	8	337
15:30:00	13	130	0	0	0	143	33	1	30	0	0	64	5	103	15	1	0	124	2	1	6	0	0	9	340
15:45:00	1	121	3	0	0	125	8	2	20	0	0	30	3	98	15	0	0	116	2	0	3	0	0	5	276
Grand Total	38	555	5	2	0	600	72	4	91	0	0	167	13	430	69	1	0	513	11	5	43	0	0	59	1339
Approach%	6.3%	92.5%	0.8%	0.3%		-	43.1%	2.4%	54.5%	0%		-	2.5%	83.8%	13.5%	0.2%		-	18.6%	8.5%	72.9%	0%		-	-
Totals %	2.8%	41.4%	0.4%	0.1%		44.8%	5.4%	0.3%	6.8%	0%		12.5%	1%	32.1%	5.2%	0.1%		38.3%	0.8%	0.4%	3.2%	0%		4.4%	-
PHF	0.68	0.8	0.42	0.25		0.79	0.55	0.5	0.76	0		0.65	0.65	0.88	0.82	0.25		0.88	0.55	0.31	0.38	0		0.4	
Heavy	12	101	0	0		113	8	3	28	0		39	5	62	15	0		82	0	2	1	0		3	
Heavy %	31.6%	18.2%	0%	0%		18.8%	11.1%	75%	30.8%	0%		23.4%	38.5%	14.4%	21.7%	0%		16%	0%	40%	2.3%	0%		5.1%	
Lights	26	454	5	2		487	64	1	63	0		128	8	368	54	1		431	11	3	42	0		56	-
Lights %	68.4%	81.8%	100%	100%		81.2%	88.9%	25%	69.2%	0%		76.6%	61.5%	85.6%	78.3%	100%		84%	100%	60%	97.7%	0%		94.9%	-
Single-Unit Trucks	6	31	0	0		37	2	2	9	0		13	1	23	5	0		29	0	2	0	0		2	-
Single-Unit Trucks %	15.8%	5.6%	0%	0%		6.2%	2.8%	50%	9.9%	0%		7.8%	7.7%	5.3%	7.2%	0%		5.7%	0%	40%	0%	0%		3.4%	-
Buses	0	0	0	0		0	0	0	0	0		0	0	1	2	0		3	0	0	0	0		0	-
Buses %	0%	0%	0%	0%		0%	0%	0%	0%	0%		0%	0%	0.2%	2.9%	0%		0.6%	0%	0%	0%	0%		0%	-
Articulated Trucks	6	70	0	0		76	6	1	19	0		26	4	38	8	0		50	0	0	1	0		1	-
Articulated Trucks %	15.8%	12.6%	0%	0%		12.7%	8.3%	25%	20.9%	0%		15.6%	30.8%	8.8%	11.6%	0%		9.7%	0%	0%	2.3%	0%		1.7%	-
Pedestrians	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-	-	-	-	0	-	-
Pedestrians%	-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-	-	-	-	0%		-

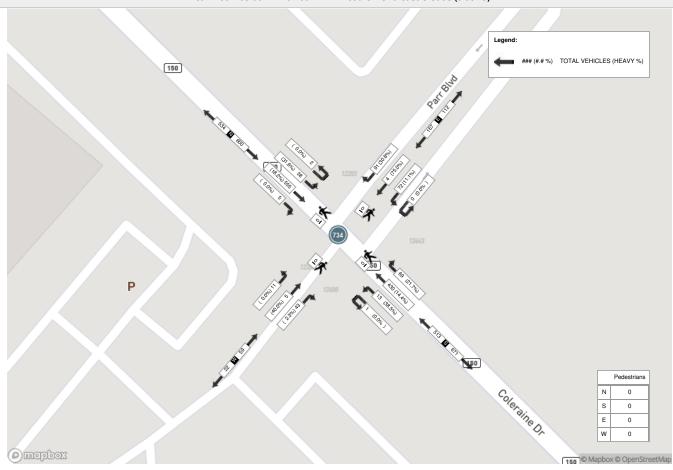
Peak Hour: 07:00 AM - 08:00 AM Weather: Moderate Rain (5.84 °C)



Peak Hour: 01:00 PM - 02:00 PM Weather: Light Rain (4.57 °C)



### Peak Hour: 03:00 PM - 04:00 PM Weather: Overcast Clouds (5.56 °C)



# Appendix C

**Background Traffic** 



LEA Consulting Ltd.
625 Cochrane Drive, 5<sup>th</sup> Floor
Markham, ON, L3R 9R9 Canada
T | 905 470 0015 F | 905 470 0030
WWW.LEA.CA

November 7, 2023 Reference Number: 24085

Simpson Road Landowners Group Inc. c/o Helen Mihailidi 7501 Keele Street, Suite 200 Vaughan, ON L4K 1Y2

Dear Helen Mihailidi,

RE: Transportation Impact Study

Proposed Industrial Development

Coleraine Drive and Mayfield Road, Town of Caledon

LEA Consulting Ltd. (LEA) is pleased to present the findings of our Transportation Impact Study for the proposed development of an industrial block located at the northeast corner of Coleraine Drive and Mayfield Road in the Town of Caledon. This report concludes that the proposed development is expected to have an acceptable impact on the road network operations in the surrounding area.

Should you have any questions regarding this Transportation Impact Study, please do not hesitate to contact the undersigned.

Yours truly,

LEA CONSULTING LTD.

Zana Georgis, M. Eng., P. Eng.

Project Manager, Transportation Planning and Engineering

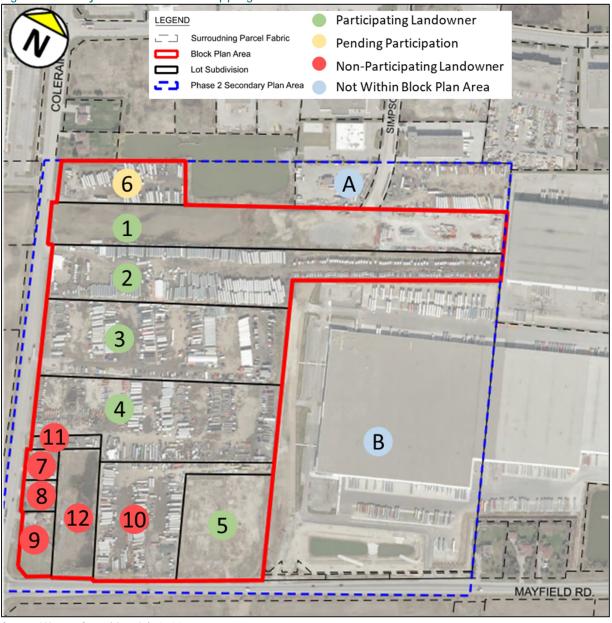
Encl. Transportation Impact Study – Coleraine Drive and Mayfield Road, Proposed Industrial

Development, Town of Caledon (November 2023)

## 1.1 PROPOSED LAND USE PLAN

The block plan consists of 12 blocks. It is noted that some parcels in the block plan are categorized as "pending participation" or "non-participating landowners" due to the pending finalization of the development plan. Figure 1-2 illustrates the current ownership mapping with a breakdown of the parcels.

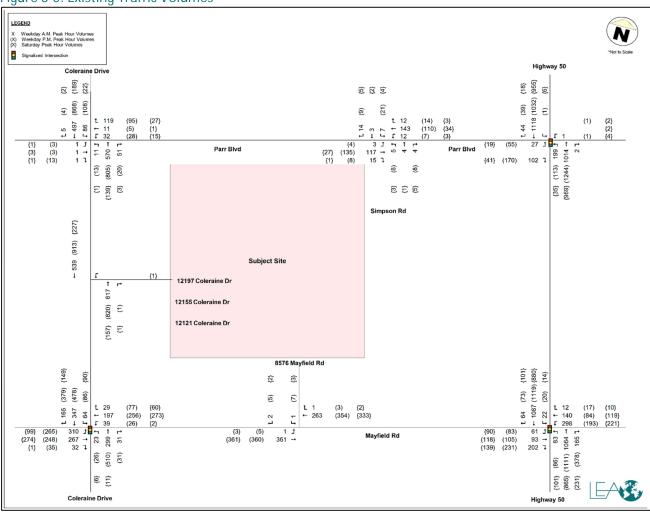
Figure 1-2: Subject Land's Parcel Mapping



Source: Weston Consulting, July 2023

As this TIS is for the whole block plan, for the parcels that do not yet have development plans, it was assumed that these sites would occupy 50% lot coverage. Further, the subject lands are planned for warehouse and office uses. A breakdown of the proposed GFA by parcel is summarized in Table 1-1.

Figure 3-5: Existing Traffic Volumes





# 4 FUTURE BACKGROUND TRAFFIC CONDITIONS

For the analysis of future background traffic conditions, this study considers a five- and ten-year horizon from the existing year 2023 to the future years 2028 and 2033, respectively. Future background conditions include the traffic added to the network from other future developments, corridor growth, and road network improvements. The future background conditions will be used as the baseline for evaluating the impact of the proposed development.

# 4.1 CORRIDOR GROWTH

The Region of Peel provided growth rates for the study area corridors, which were subsequently applied to all through movements in addition to major movements at the studied intersections. Table 4-1 summarizes the applied growth rates.

Table 4-1: Corridor Growth

Corridor	AM/PM/Sat Peak Annual Growth
Mayfield Rd EB	0.5%
Mayfield Rd WB	1%
Coleraine Dr NB	0.5%
Coleraine Dr SB	0.5%
Hwy 50 NB	0.5%
Hwy 50 SB	0.5%

## **4.2** BACKGROUND DEVELOPMENTS

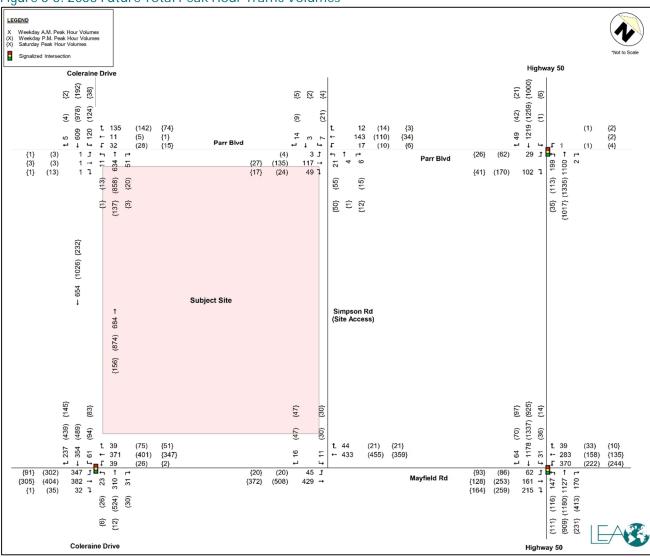
Five (5) background developments located within or near the study area were considered under future background conditions. Detailed information on the background developments included in the analysis was obtained from the Town's development application online inventory. The site statistics of the background developments are summarized below in Table 4-2 and the location of each background development relative to the location of the subject site is illustrated below in Figure 4-1

Table 4-2: Background Developments

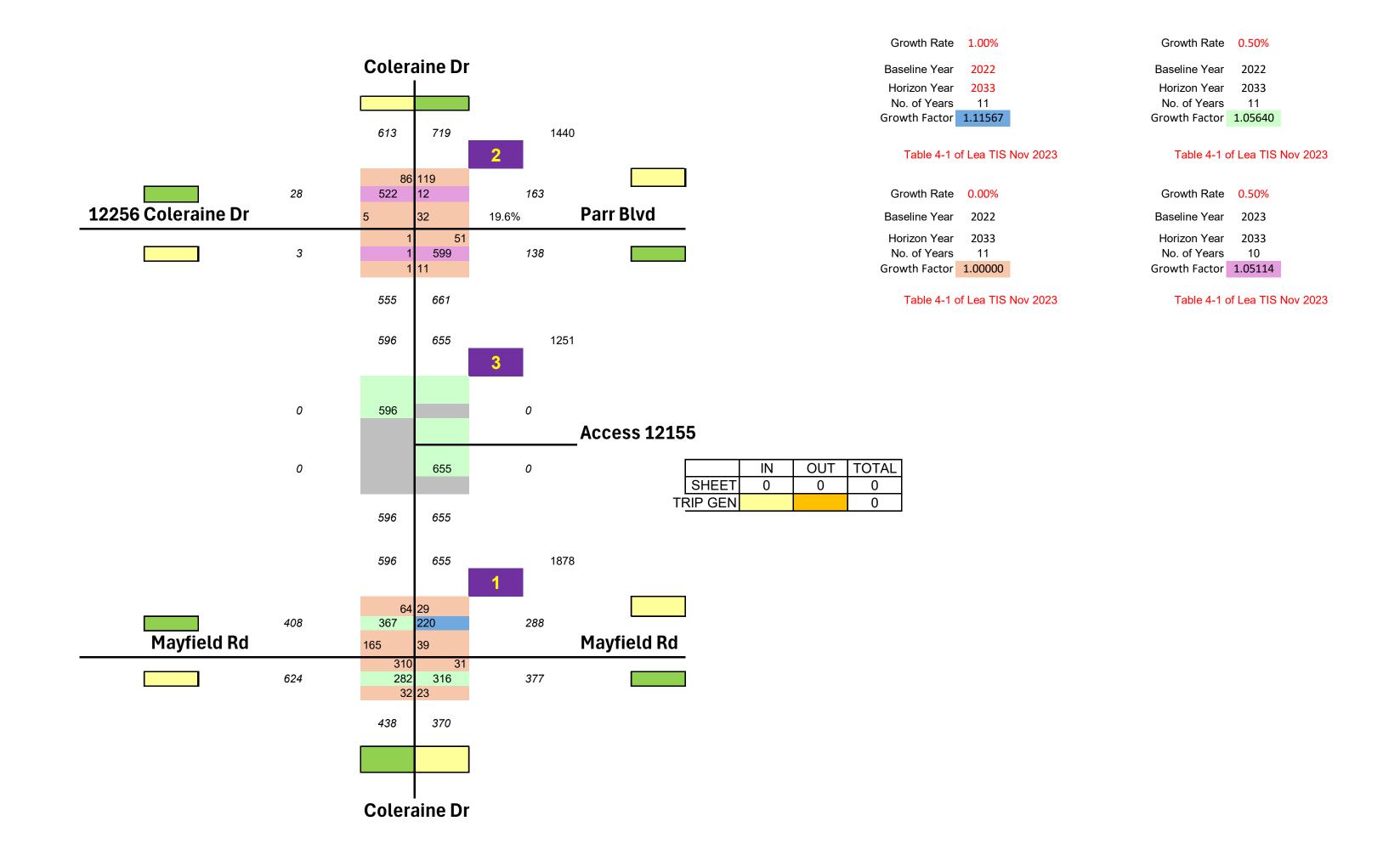
#	Location	Proposed Development	Anticipated Horizon	Source of Traffic Volumes				
1	12544 Highway 50	Gas Station 279 m² of retail GFA 461 m² of retail GFA	2028	TIS dated March 2017 (Figure 5-1) LMM Engineering Inc.				
2	12563 & 12599 Highway 50 (Phase 1)	2,238 residential units; 3,179 m² Retail	2033	TIS dated January 2022 (Figure 21 & 24) BA Group				
3	12148 Albion Vaughan Road	306 residential units; 225m² commercial space	2028	TIS dated September 2021 (Figure 4.2A -4.2B) Paradigm				
4	Triangle Lands	406,000 m <sup>2</sup> of industrial GFA	2028	TIS dated Sept 2023 LEA Estimate				
5	Humber Station Lands (Phase 1)	2,028 Jobs/Employee Warehousing	2028	TIS Dated Sept 2023 (Figure 5-1:5-4)				
	Humber Station Lands (Full Buildout)	2,548 Jobs/Employee Warehousing	2033	LEA Consulting Ltd				

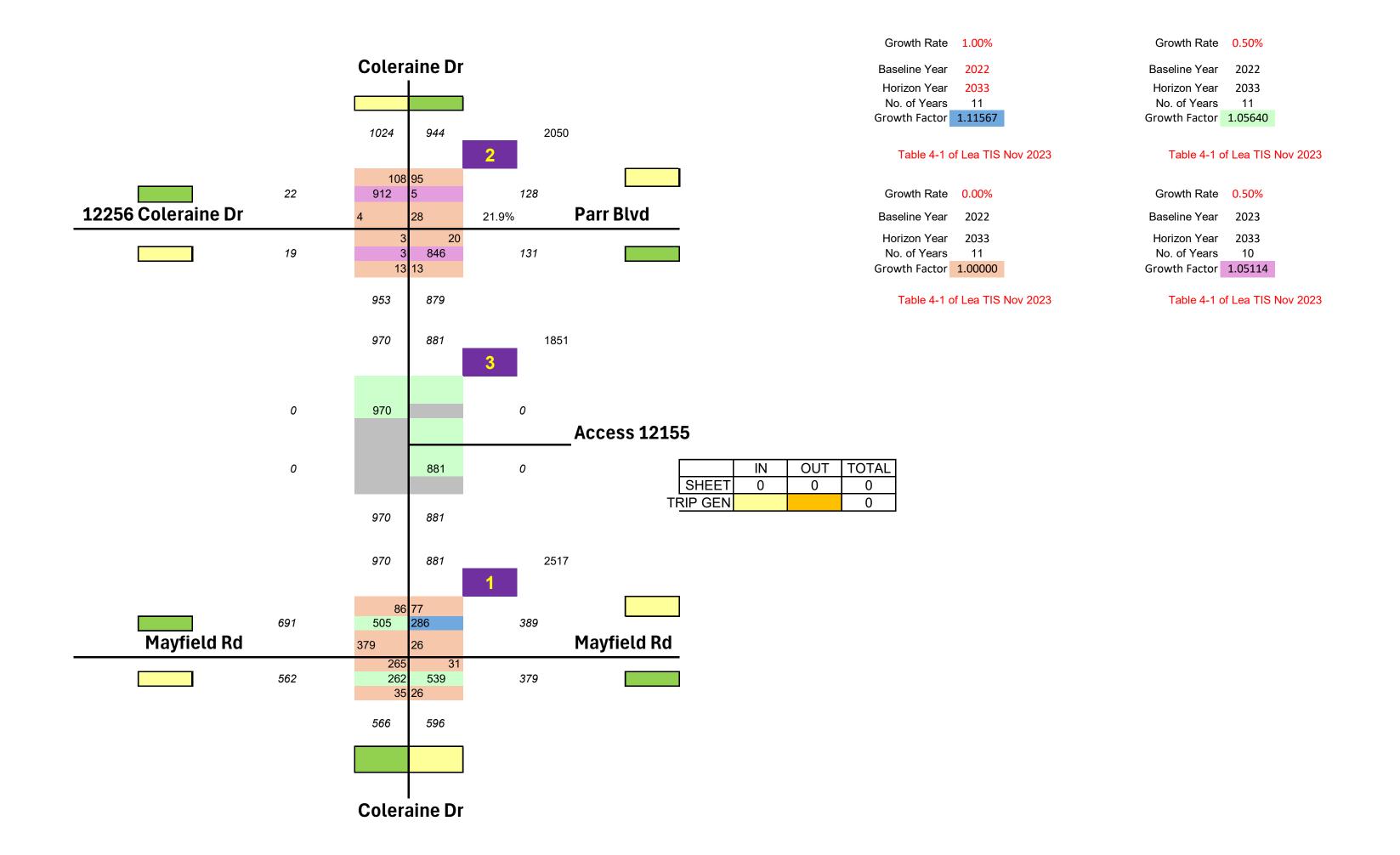


Figure 6-3: 2033 Future Total Peak Hour Traffic Volumes

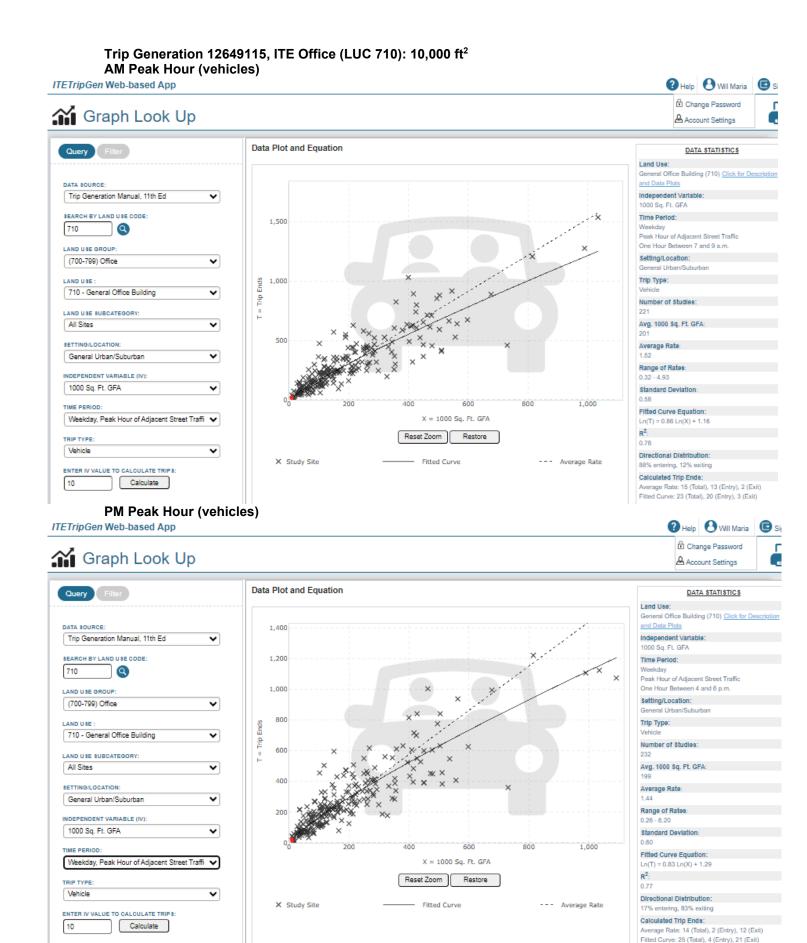








# Appendix D ITE Trip Generation



#### Trip Generation 12649115, ITE Warehouse (LUC 150): 12,000 ft<sup>2</sup> **AM Peak Hour (vehicles)**

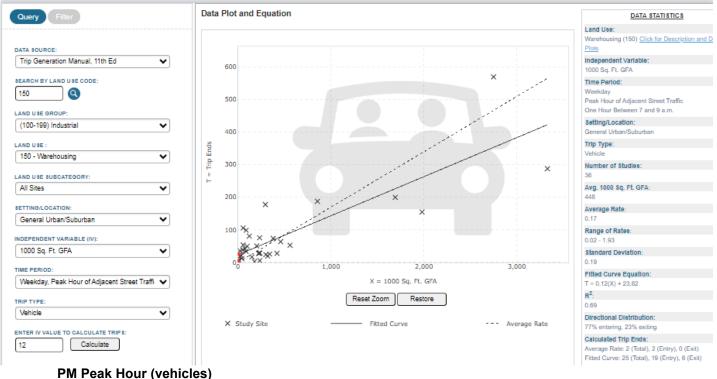
ITETripGen Web-based App







### Graph Look Up

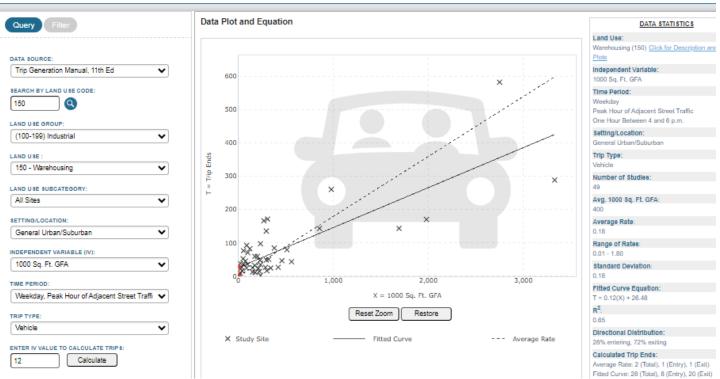


#### ITETripGen Web-based App





## Graph Look Up

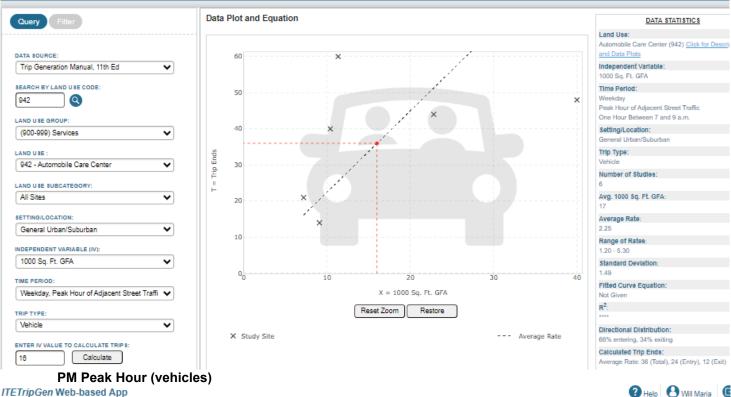


#### Trip Generation 12649115, ITE Automobile Care Center (LUC 942): 16,000 ft<sup>2</sup> **AM Peak Hour (vehicles)**

ITETripGen Web-based App







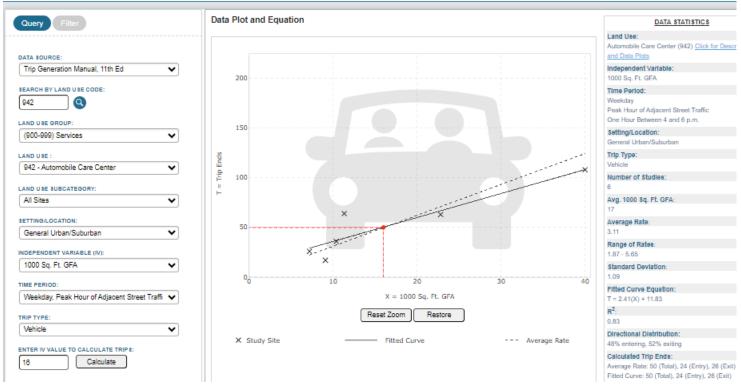
ITETripGen Web-based App







## Graph Look Up



# Appendix E Synchro Report

	•	•	<b>†</b>	<i>&gt;</i>	<b>/</b>	<b>↓</b>	
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT	
Lane Configurations		7	<b>∱</b> }			<b>^</b>	
Traffic Volume (vph)	0	21	683	63	0	670	
Future Volume (vph)	0	21	683	63	0	670	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	
Storage Length (m)	0.0	0.0		0.0	0.0		
Storage Lanes	0	1		0	0		
Taper Length (m)	2.5				2.5		
Lane Util. Factor	1.00	1.00	0.95	0.95	1.00	0.95	
Ped Bike Factor							
Frt		0.865	0.987				
Flt Protected							
Satd. Flow (prot)	0	1629	3532	0	0	3579	
Flt Permitted							
Satd. Flow (perm)	0	1629	3532	0	0	3579	
Link Speed (k/h)	40		70			70	
Link Distance (m)	94.2		154.9			145.4	
Travel Time (s)	8.5		8.0			7.5	
Confl. Peds. (#/hr)	1						
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	0	23	742	68	0	728	
Shared Lane Traffic (%)							
Lane Group Flow (vph)	0	23	810	0	0	728	
Enter Blocked Intersection	No	No	No	No	No	No	
Lane Alignment	Left	Right	Left	Right	Left	Left	
Median Width(m)	0.0		0.0			0.0	
Link Offset(m)	0.0		0.0			0.0	
Crosswalk Width(m)	1.6		1.6			1.6	
Two way Left Turn Lane							
Headway Factor	0.99	0.99	0.99	0.99	0.99	0.99	
Turning Speed (k/h)	24	14		14	24		
Sign Control	Stop		Free			Free	
Intersection Summary							
<i>7</i> I	Other						
Control Type: Unsignalized							
Intersection Capacity Utiliza	tion 30.9%			IC	U Level of	of Service	Α¢
Analysis Period (min) 15							

	•	•	†	<b>/</b>	<b>/</b>	<b></b>	
Movement	WBL	WBR	NBT	NBR	SBL	SBT	
Lane Configurations		1	<b>↑</b> ↑			<b>^</b>	_
Traffic Volume (veh/h)	0	21	683	63	0	670	
Future Volume (Veh/h)	0	21	683	63	0	670	
Sign Control	Stop		Free		-	Free	
Grade	0%		0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	
Hourly flow rate (vph)	0	23	742	68	0	728	
Pedestrians	•		1			0	
Lane Width (m)			3.7				
Walking Speed (m/s)			1.1				
Percent Blockage			0				
Right turn flare (veh)							
Median type			None			None	
Median storage veh)			110110			140110	
Upstream signal (m)							
pX, platoon unblocked							
vC, conflicting volume	1141	405			810		
vC1, stage 1 conf vol	1171	400			010		
vC2, stage 2 conf vol							
vCu, unblocked vol	1141	405			810		
tC, single (s)	6.8	6.9			4.1		
tC, 2 stage (s)	0.0	0.5			7.1		
tF (s)	3.5	3.3			2.2		
p0 queue free %	100	96			100		
cM capacity (veh/h)	194	595			812		
Direction, Lane #	WB 1	NB 1	NB 2	SB 1	SB 2		
Volume Total	23	495	315	364	364		
Volume Left	0	0	0	0	0		
Volume Right	23	0	68	0	0		
cSH	595	1700	1700	1700	1700		
Volume to Capacity	0.04	0.29	0.19	0.21	0.21		
Queue Length 95th (m)	0.9	0.0	0.0	0.0	0.0		
Control Delay (s)	11.3	0.0	0.0	0.0	0.0		
Lane LOS	В						
Approach Delay (s)	11.3	0.0		0.0			
Approach LOS	В						
Intersection Summary							
Average Delay			0.2				
Intersection Capacity Utiliz	ation		30.9%	IC	U Level	of Service	
Analysis Period (min)			15				

	•	•	<b>†</b>	<i>&gt;</i>	<b>\</b>	<b>↓</b>
Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	<b>∱</b> }			<b>^</b>
Traffic Volume (vph)	0	67	572	36	0	779
Future Volume (vph)	0	67	572	36	0	779
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (m)	0.0	0.0		0.0	0.0	
Storage Lanes	0	1		0	0	
Taper Length (m)	2.5				2.5	
Lane Util. Factor	1.00	1.00	0.95	0.95	1.00	0.95
Ped Bike Factor						
Frt		0.865	0.991			
Flt Protected						
Satd. Flow (prot)	0	1629	3546	0	0	3579
Flt Permitted						
Satd. Flow (perm)	0	1629	3546	0	0	3579
Link Speed (k/h)	40		70			70
Link Distance (m)	94.2		154.9			145.4
Travel Time (s)	8.5		8.0			7.5
Confl. Peds. (#/hr)	1					
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	73	622	39	0	847
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	73	661	0	0	847
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(m)	0.0		0.0			0.0
Link Offset(m)	0.0		0.0			0.0
Crosswalk Width(m)	1.6		1.6			1.6
Two way Left Turn Lane						
Headway Factor	0.99	0.99	0.99	0.99	0.99	0.99
Turning Speed (k/h)	24	14		14	24	
Sign Control	Stop		Free			Free
Intersection Summary						
71	Other					
Control Type: Unsignalized						
Intersection Capacity Utiliza	tion 27.8%			IC	U Level o	of Service
Analysis Period (min) 15						

	•	4	<b>†</b>	<i>&gt;</i>	<b>/</b>	<del> </del>
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		7	<b>∱</b> %			<b>^</b>
Traffic Volume (veh/h)	0	67	572	36	0	779
Future Volume (Veh/h)	0	67	572	36	0	779
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	73	622	39	0	847
Pedestrians	•	. •	1		•	<b>.</b>
Lane Width (m)			3.7			
Walking Speed (m/s)			1.1			
Percent Blockage			0			
Right turn flare (veh)						
Median type			None			None
Median storage veh)			110110			110110
Upstream signal (m)						
pX, platoon unblocked						
vC, conflicting volume	1066	330			661	
vC1, stage 1 conf vol	1000	000			001	
vC2, stage 2 conf vol						
vCu, unblocked vol	1066	330			661	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)	J.J					
tF (s)	3.5	3.3			2.2	
p0 queue free %	100	89			100	
cM capacity (veh/h)	217	665			923	
			ND 0	CD 4		
Direction, Lane #	WB 1	NB 1	NB 2	SB 1	SB 2	
Volume Total	73	415	246	424	424	
Volume Left	0	0	0	0	0	
Volume Right	73	0	39	0	0	
cSH	665	1700	1700	1700	1700	
Volume to Capacity	0.11	0.24	0.14	0.25	0.25	
Queue Length 95th (m)	2.8	0.0	0.0	0.0	0.0	
Control Delay (s)	11.1	0.0	0.0	0.0	0.0	
Lane LOS	В					
Approach Delay (s)	11.1	0.0		0.0		
Approach LOS	В					
Intersection Summary						
Average Delay			0.5			
Intersection Capacity Utiliz	ation		27.8%	IC	U Level	of Service
Analysis Period (min)			15			

## Appendix F

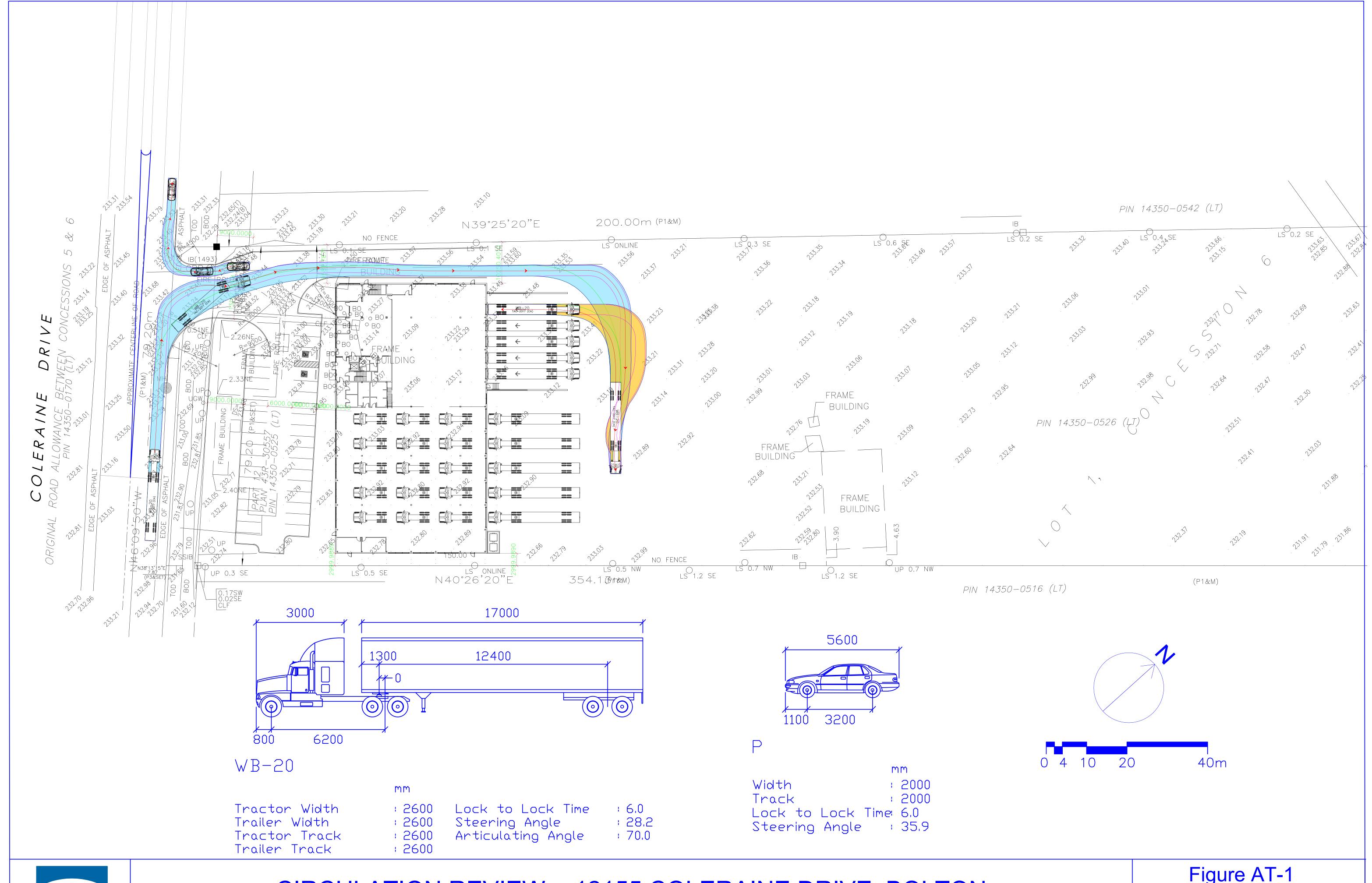
**Parking By-law Requirement** 

	·
	1 parking space per 100 m <sup>2</sup> of net floor area or portion
	thereof where no retail; 1 per 60 m <sup>2</sup> or portion thereof
Artist Studio & Gallery	where retail component
	1 parking space per 20 m <sup>2</sup> of net floor area or portion
Bakery	thereof
	1 parking space per 30 m <sup>2</sup> of net floor area or portion
Business Office	thereof
Cannabis-Related Use –	1 parking space per 100 m <sup>2</sup> of gross floor area or portion
Indoor	thereof
	1 parking space per 16.5 m <sup>2</sup> of net floor area or portion
Clinic	thereof
Omne	1 <i>parking space</i> per 15 m <sup>2</sup> of <i>net floor area</i> or portion
Club	thereof
Club	
0	1 parking space per 15 m <sup>2</sup> of net floor area or portion
Community Centre	thereof
	1 parking space per staff member + 1 parking space per
Day Nursery	30 m <sup>2</sup> of <i>net floor area</i> or portion thereof
Dry Cleaning or Laundry	1 parking space per 20 m <sup>2</sup> of net floor area or portion
Plant	thereof
Dry Cleaning or Laundry	1 parking space per 20 m <sup>2</sup> of net floor area or portion
Outlet	thereof
	1 parking space per 20 m <sup>2</sup> of net floor area or portion
Factory Outlet	thereof
r dotory canot	1 parking space per 25 m <sup>2</sup> of net floor area or portion
Financial Institution	thereof
T mancial mistitution	1 <i>parking space</i> per 15 m <sup>2</sup> of <i>net floor area</i> or portion
Fitness Centre	thereof
rilliess Cerille	
Firm a wall lia was	1 parking space per 20 m <sup>2</sup> of net floor area or portion
Funeral Home	thereof
Golf Course	12 parking spaces per hole
- Con Course	12 parking opacion por noio
Hospital	1.5 parking spaces per bed
•	1 parking space per guest room, plus 1 parking space per
	10 m <sup>2</sup> or portion thereof of <i>net floor area</i> devoted to
Hotel	meeting, dining and banquet facilities.
	1 parking space per 100m <sup>2</sup> of gross floor area or portion
Industrial Hemp-Related Use	thereof
- Indoor	
	a) If accessory office and retail <i>net floor area</i> s are 15% or
	less of the total <i>net floor area</i> :
	<ul> <li>Up to 5,000 m<sup>2</sup> – 1 parking space per 60 m<sup>2</sup> net</li> </ul>
	floor area or portion thereof
	• 5,000 to 10,000 m <sup>2</sup> – 83 <i>parking spaces</i> , plus 1
	parking space per 90 m <sup>2</sup> of net floor area or portion
	thereof over 5,000 m <sup>2</sup>
	<ul> <li>Over 10,000 m<sup>2</sup> – 139 parking spaces, plus 1</li> </ul>
Industrial Use	parking space per 170 m <sup>2</sup> or portion thereof of net
	floor area or portion thereof over 10,000 m <sup>2</sup>

Place of Worship Printing & Processing	the greater of 1 <i>parking space</i> per 6 persons design capacity of the worship area or 1 <i>parking space</i> for 10 m <sup>2</sup> of <i>net floor area</i> or portion thereof of the worship areas and any <i>accessory use</i> areas, excluding residential <i>uses</i> .  1 <i>parking space</i> per 20 m <sup>2</sup> of <i>net floor area</i> or portion
Service Shop	thereof 30 parking spaces per ball field
Recreational <i>Use</i>	30 parking spaces per soccer field 4 parking spaces per tennis court
Research Establishment	1 parking space per 30 m <sup>2</sup> of net floor area or portion thereof
Restaurant	1 parking space per 15 m <sup>2</sup> of net floor area or portion thereof
Retail Store	1 <i>parking space</i> per 20 m <sup>2</sup> of <i>net floor area</i> or portion thereof
Sales Service and Repair Shop	1 parking space per 20 m <sup>2</sup> of net floor area or portion thereof
Chop	Elementary – 1 parking space per 100 m <sup>2</sup> of gross floor area or portion thereof and 1 parking space per portable
School	Secondary – 1.5 <i>parking spaces</i> per 100 m <sup>2</sup> of <i>gross floor area</i> or portion thereof and 1 <i>parking space</i> per portable classroom
Sports Arena	1 parking space per 15 m <sup>2</sup> of net floor area or portion thereof
Training Facility	1 <i>parking space</i> per 30 m <sup>2</sup> of <i>net floor area</i> or portion thereof
	a) If associated office or retail <i>net floor areas</i> are 15% or less of the total <i>net floor area</i> :
	<ul> <li>Up to 7,000 m² – 1 parking space per 90 m² net floor area or portion thereof7,000 to 20,000 m² – 78 parking spaces, plus 1 parking space per 145 m² of net floor area or portion thereof over 7000 m²</li> <li>Over 20,000 m² – 168 parking spaces, plus 1 parking space per 170 m² of net floor area or portion thereof over 20,000 m²</li> </ul>
	b) If associated office or retail <i>net floor areas</i> are more than 15% of the total <i>net floor area</i> :
Transportation Depot	In addition to the standards contained above in (a), the applicable <i>net floor areas</i> exceeding 15% shall be subject to the applicable office or retail parking requirements
	a) If associated office or retail <i>net floor areas</i> are 15% or less of the total <i>net floor area</i> :
Warehouse	Up to 7,000 m² – 1 parking space per 90 m² net floor area or portion thereof 7,000 to 20,000 m² – 78 parking spaces, plus 1 parking space per 145 m² of net floor area or portion thereof over 7000 m²

# Appendix G

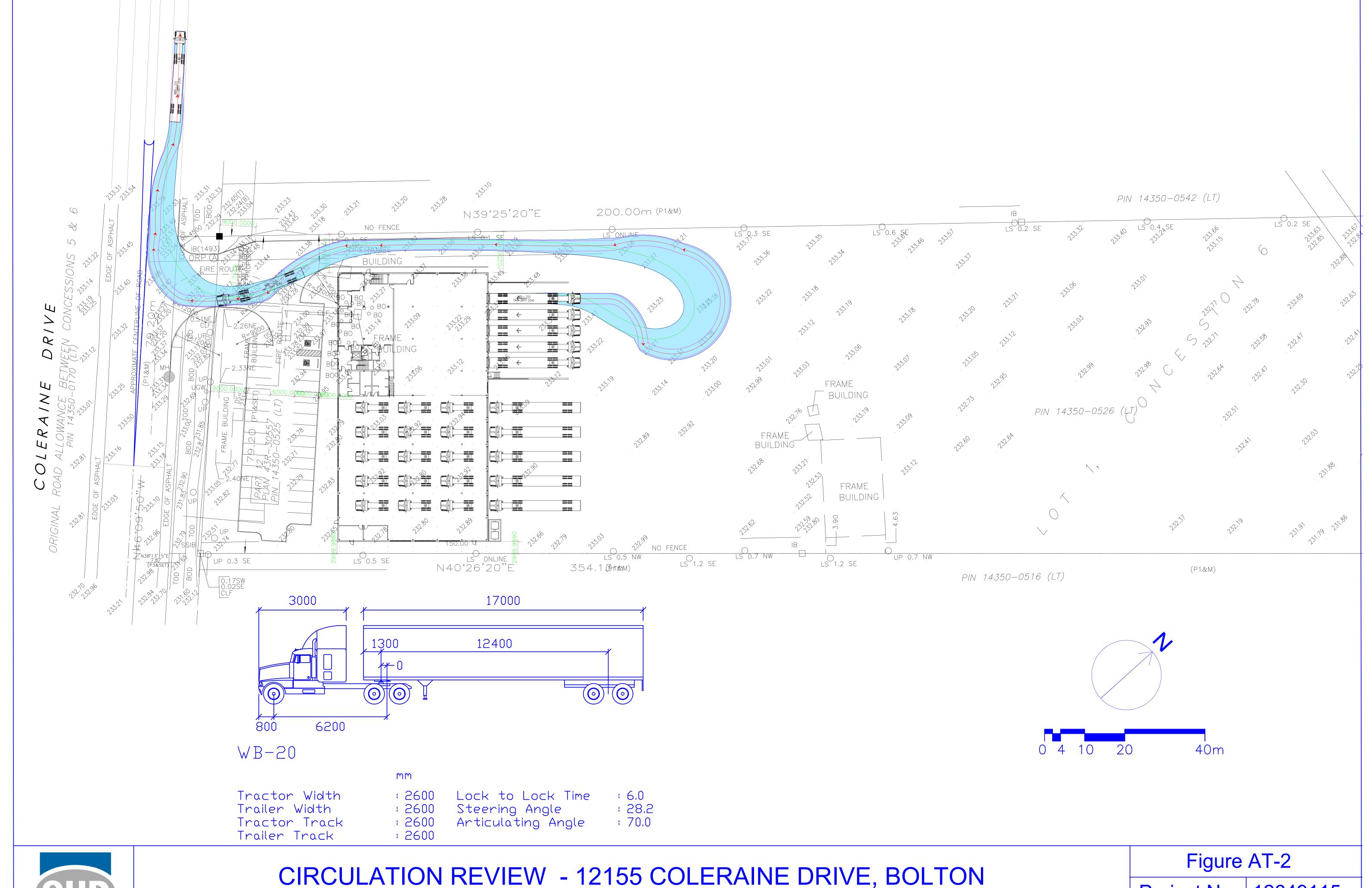
**Vehicle Sweep Paths** 





CIRCULATION REVIEW - 12155 COLERAINE DRIVE, BOLTON WB-20 Tractor-Semitrailer (IN1) - SITE ACCESS / COLERAINE DRIVE

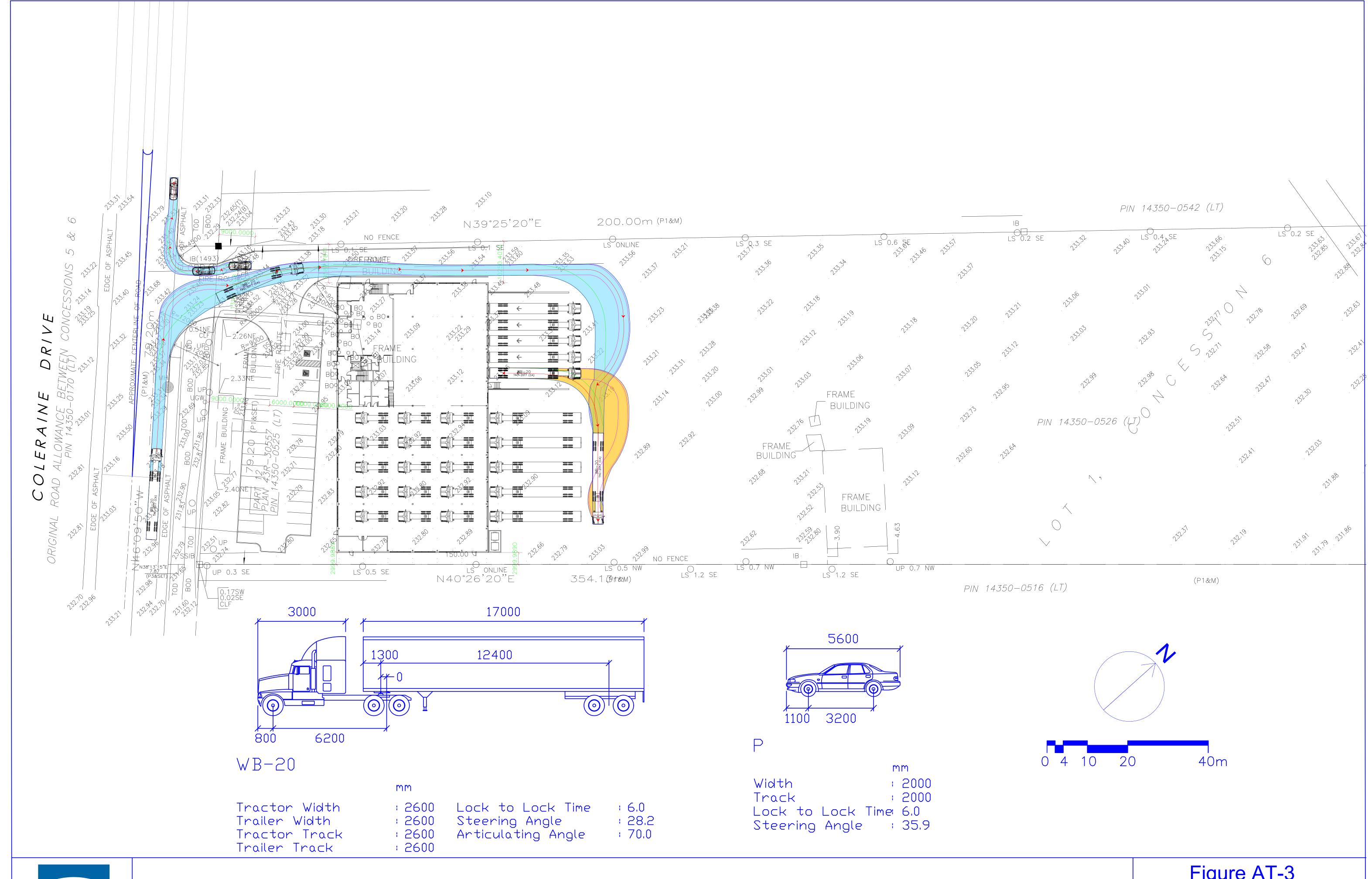
Figure AT-1				
Project No.	12649115			
Date	Sep. 12, 2024			



GHD

CIRCULATION REVIEW - 12155 COLERAINE DRIVE, BOLTON WB-20 Tractor-Semitrailer (OUT1) - SITE ACCESS / COLERAINE DRIVE

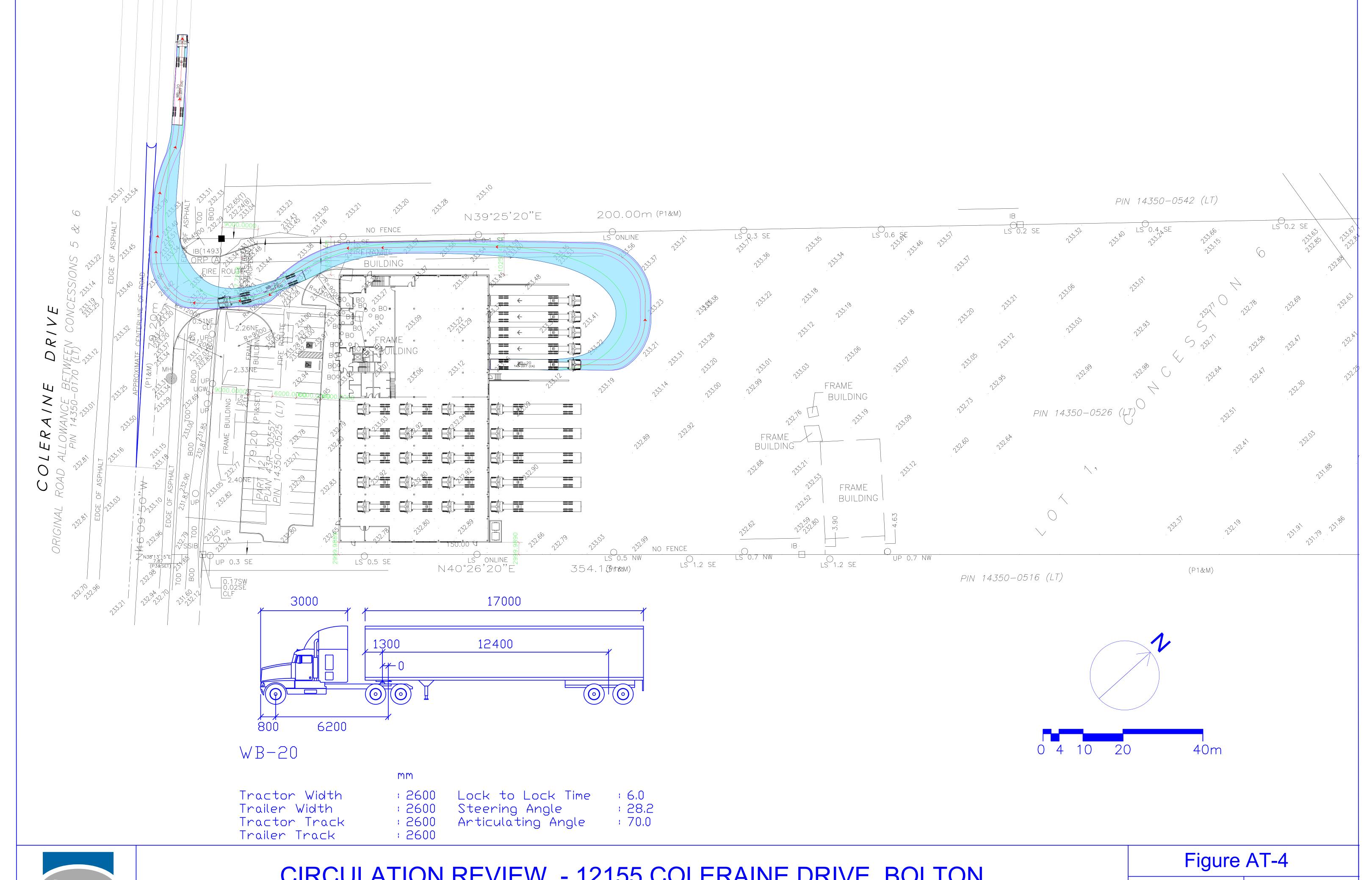
Figure AT-2				
Project No.	12649115			
Date	Sep. 12, 2024			





CIRCULATION REVIEW - 12155 COLERAINE DRIVE, BOLTON WB-20 Tractor-Semitrailer (IN2) - SITE ACCESS / COLERAINE DRIVE

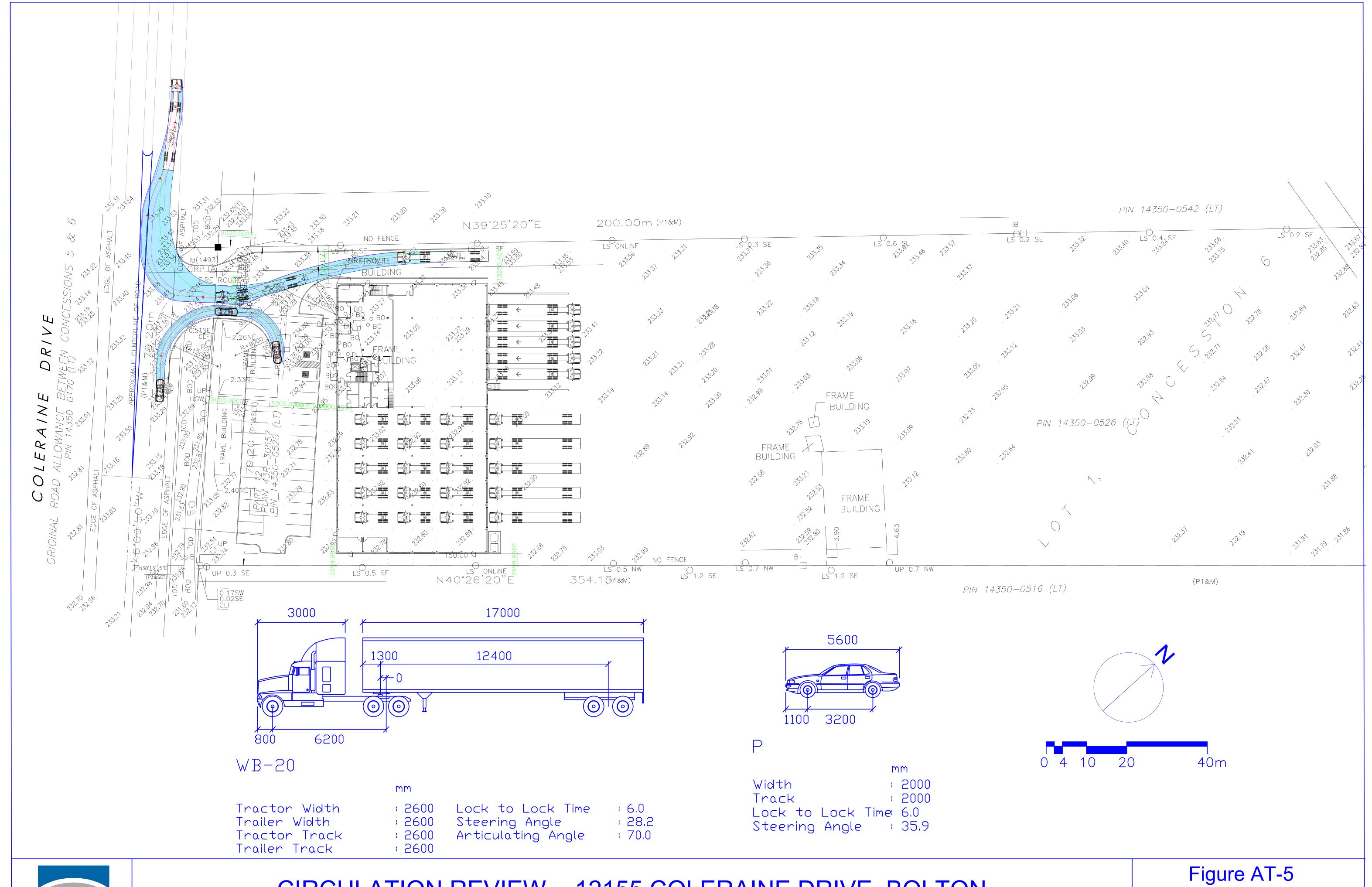
Figure AT-3			
Project No.	12649115		
Date	Sep. 12, 2024		





CIRCULATION REVIEW - 12155 COLERAINE DRIVE, BOLTON WB-20 Tractor-Semitrailer (OUT2) - SITE ACCESS / COLERAINE DRIVE

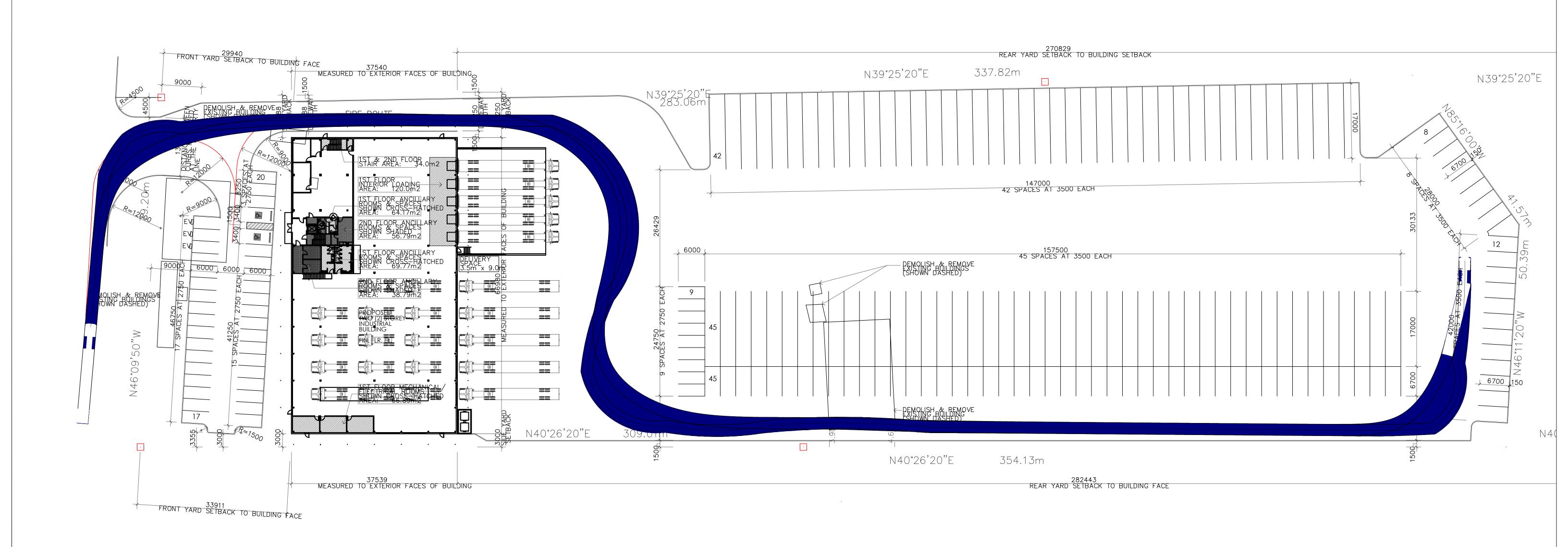
Figure AT-4					
Project No.	12649115				
Date	Sep. 12, 2024				



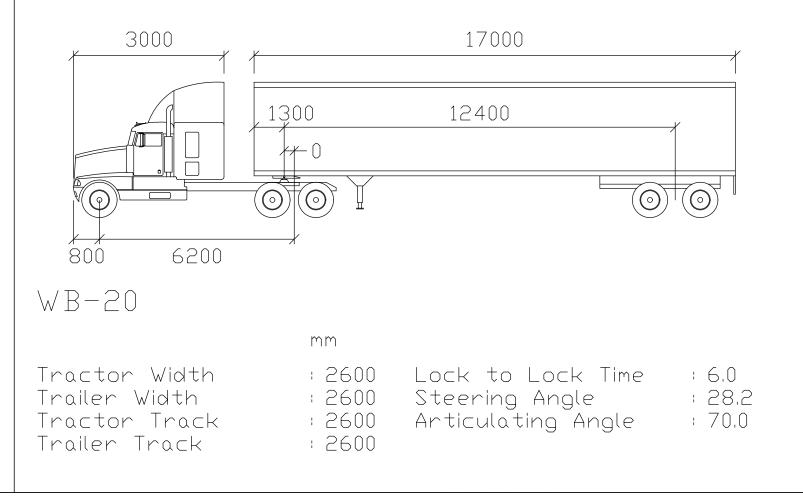


CIRCULATION REVIEW - 12155 COLERAINE DRIVE, BOLTON WB-20 Tractor-Semitrailer (OUT3) - SITE ACCESS / COLERAINE DRIVE

Figure AT-5					
Project No.	12649115				
Date	Sep. 12, 2024				





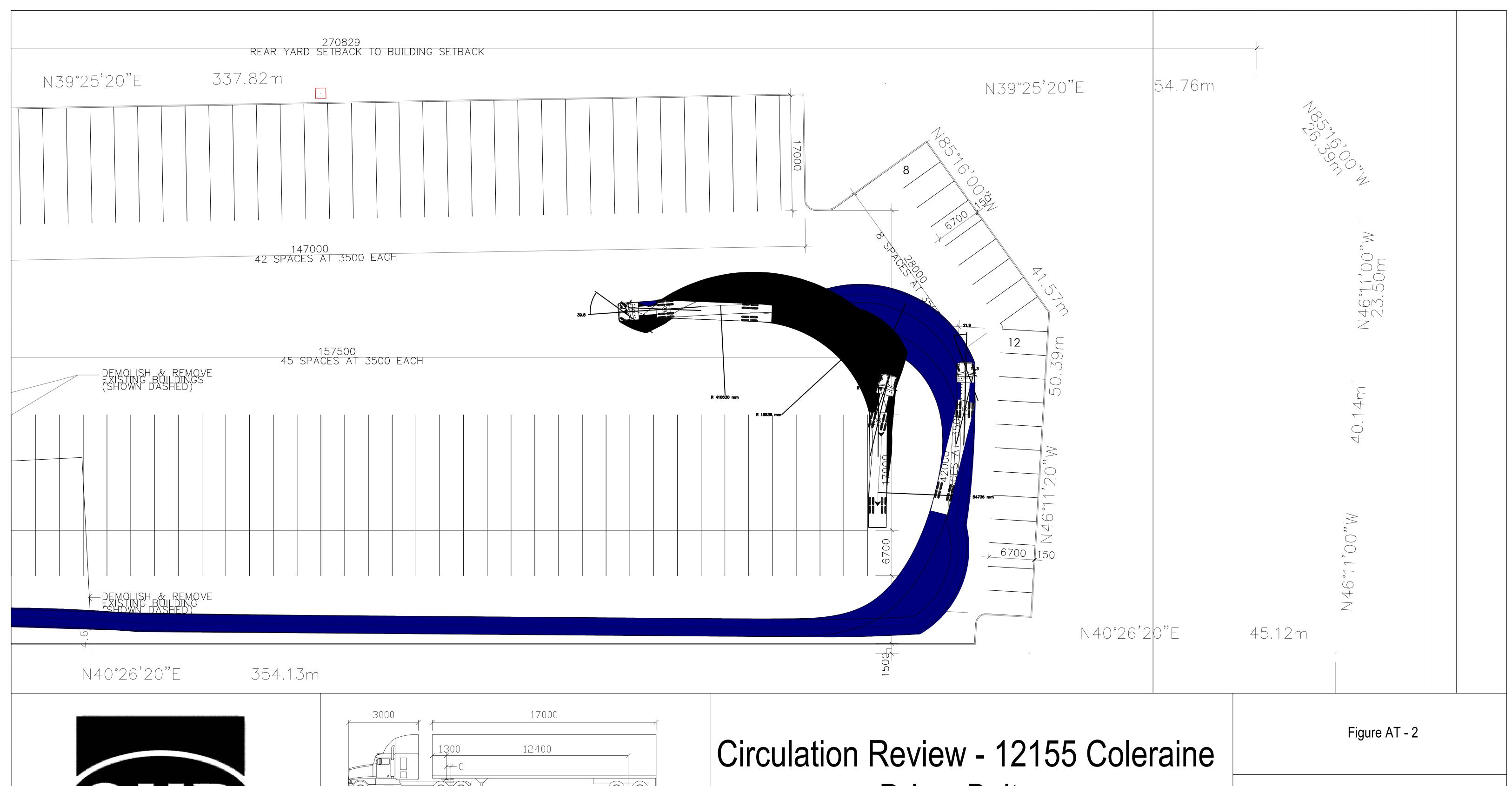


Circulation Review - 12155 Coleraine
Drive, Bolton
WB-20 Tractor-Semitrailer
(Access)

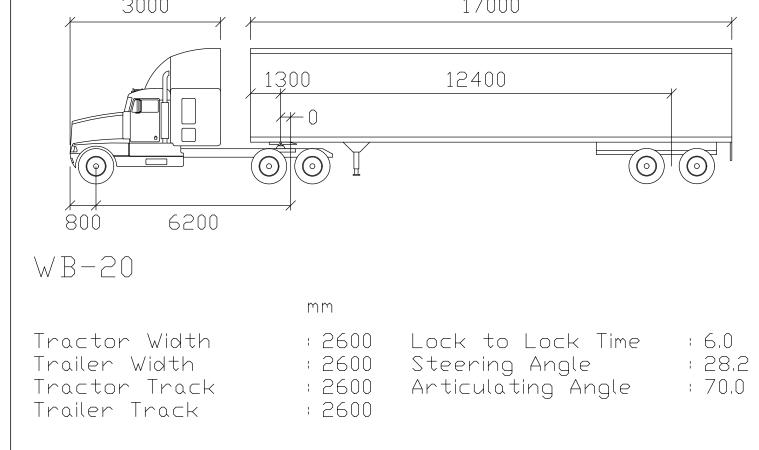
Figure	AT	-	1
--------	----	---	---

12649115

Project No.

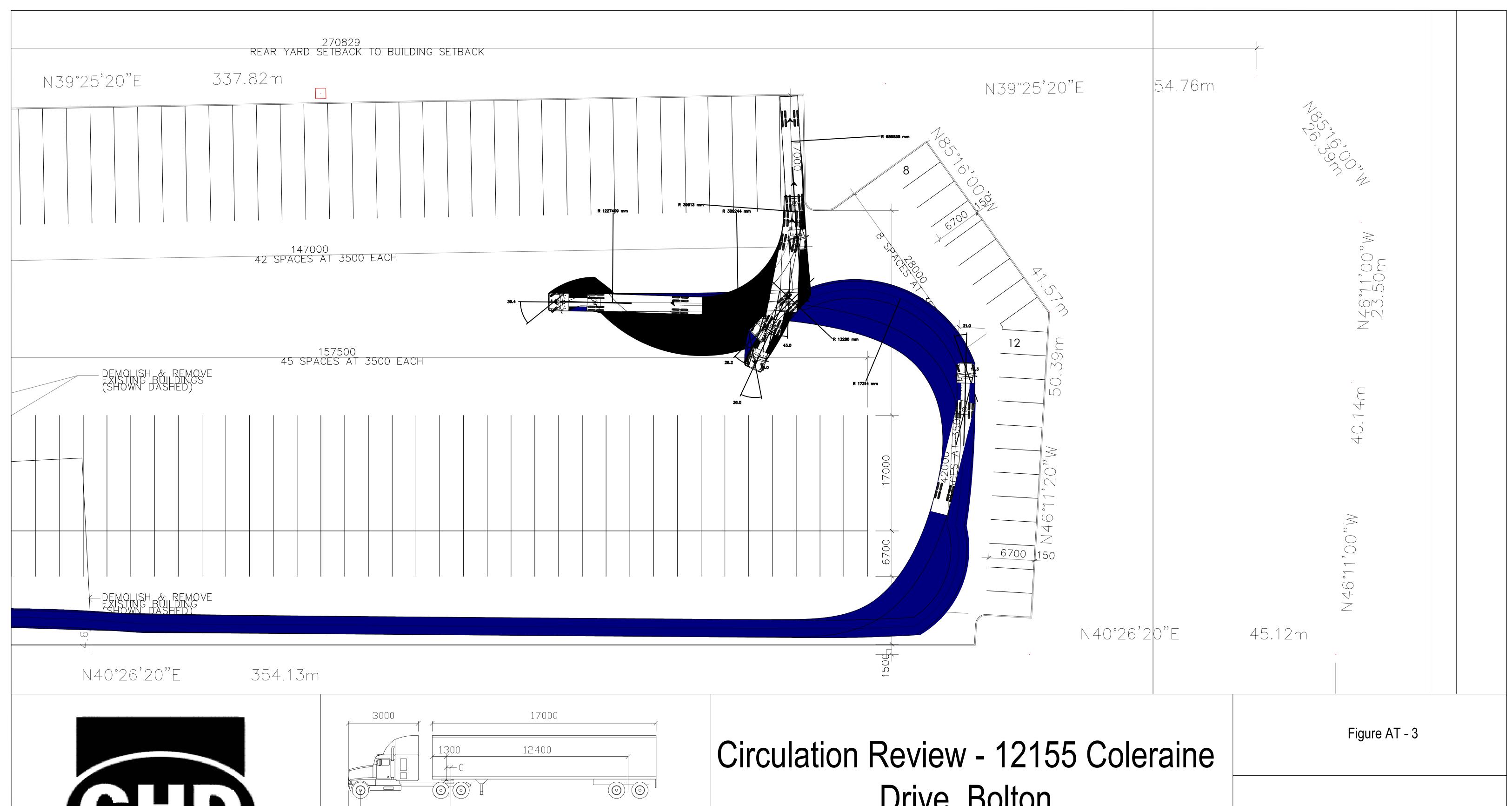




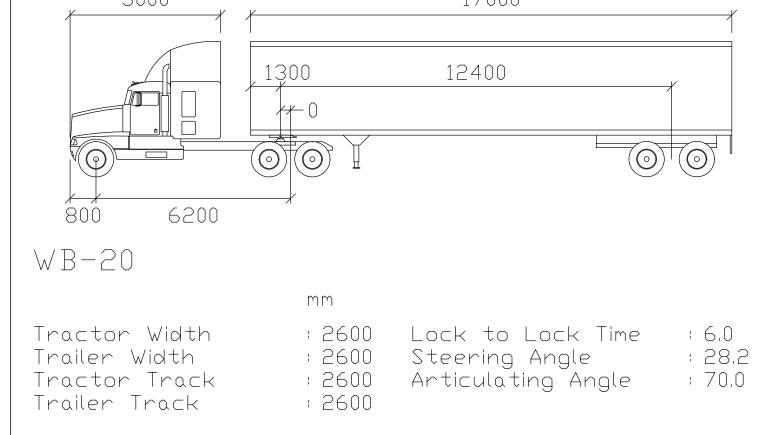


Circulation Review - 12155 Coleraine Drive, Bolton WB-20 Tractor-Semitrailer (In 1)

	rigule AT - Z	
Project No.	12649115	
Date	September 24, 2024	

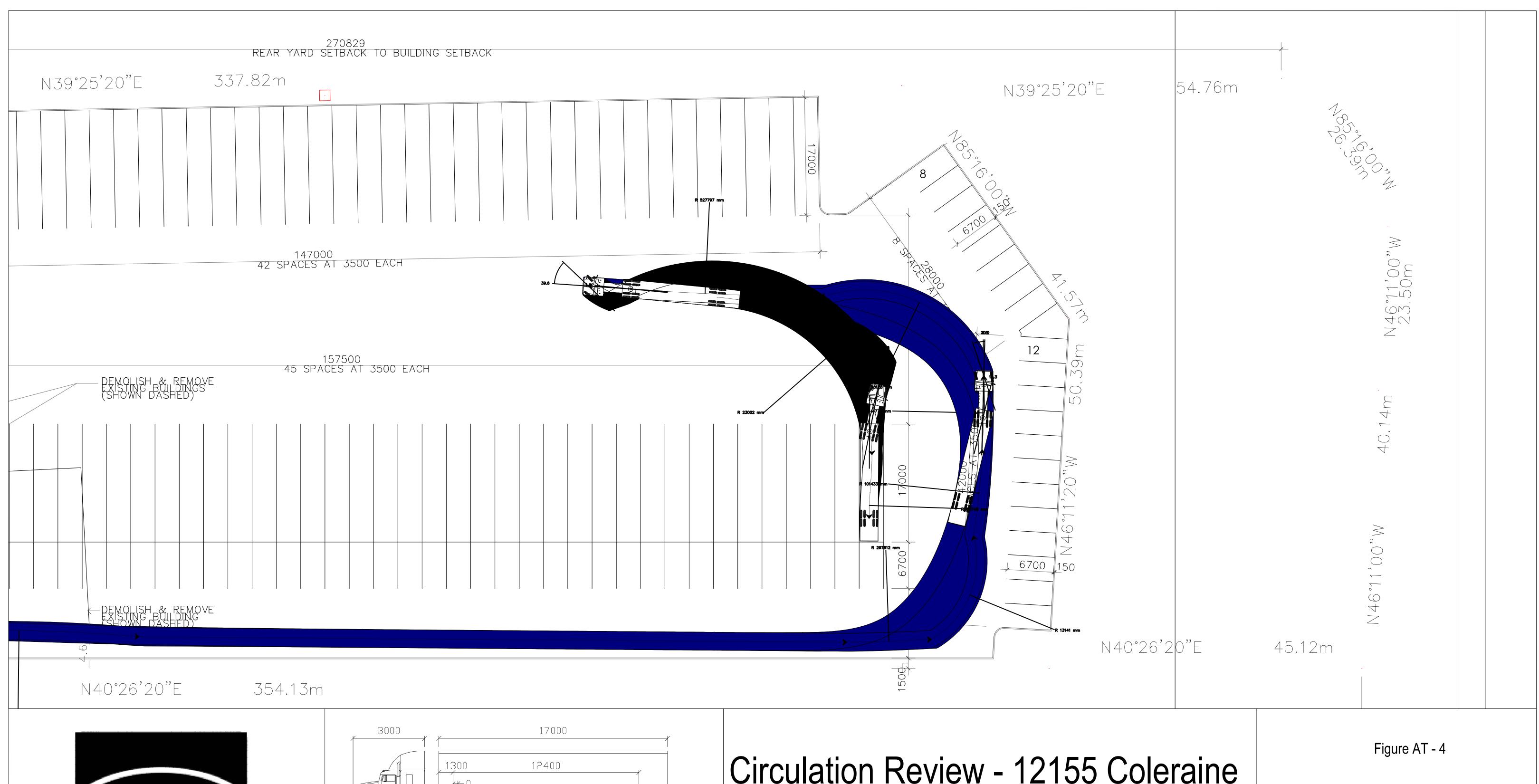




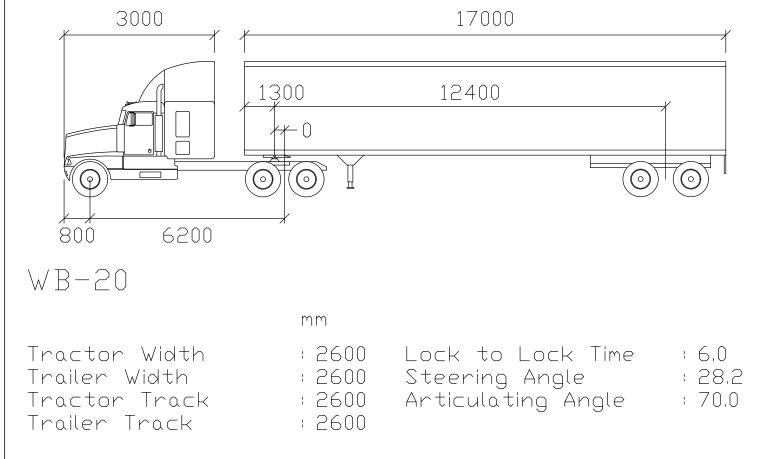


Circulation Review - 12155 Coleraine Drive, Bolton WB-20 Tractor-Semitrailer (In 2)

Project No.	12649115	
Date	September 24, 2024	

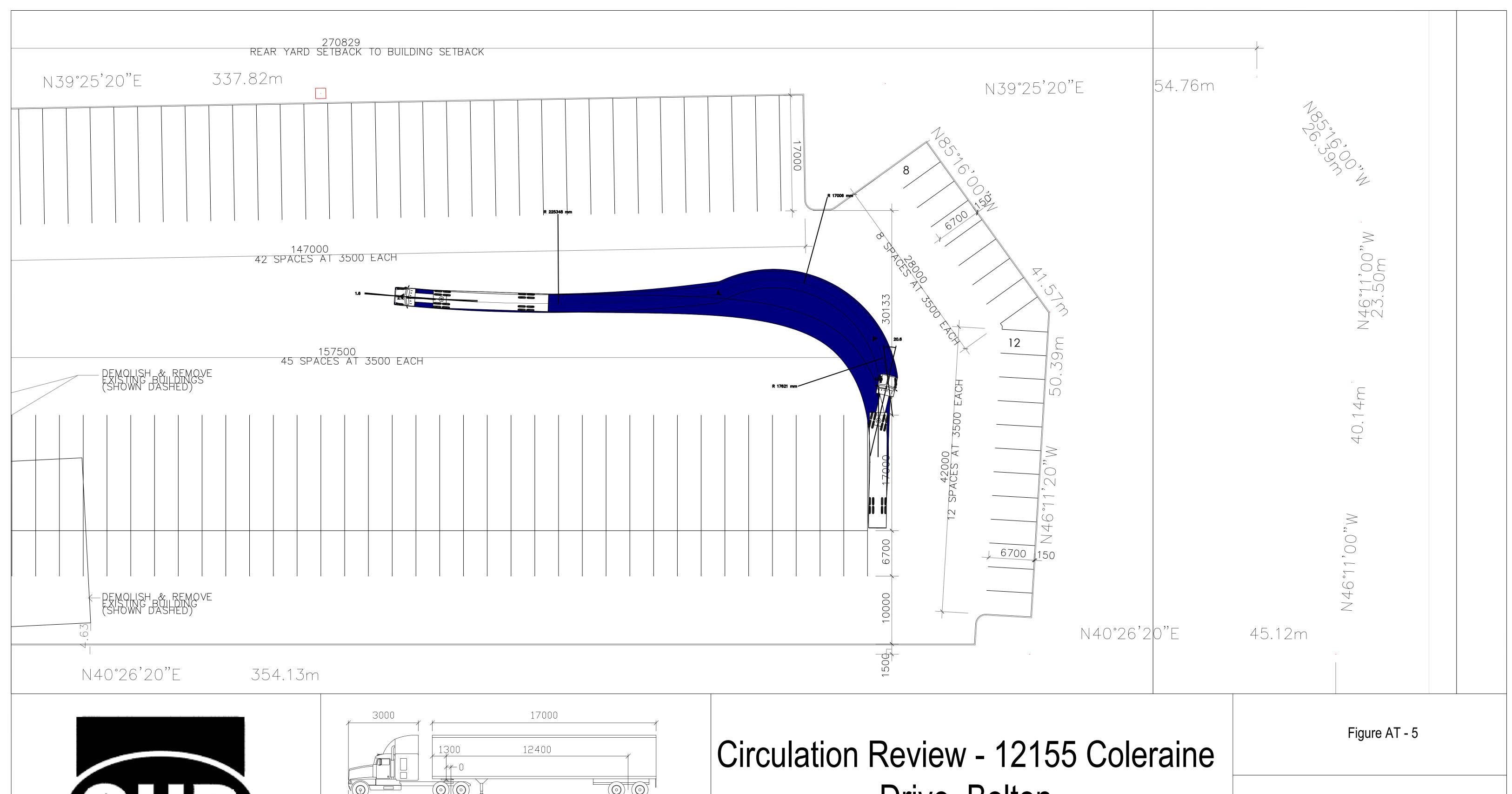




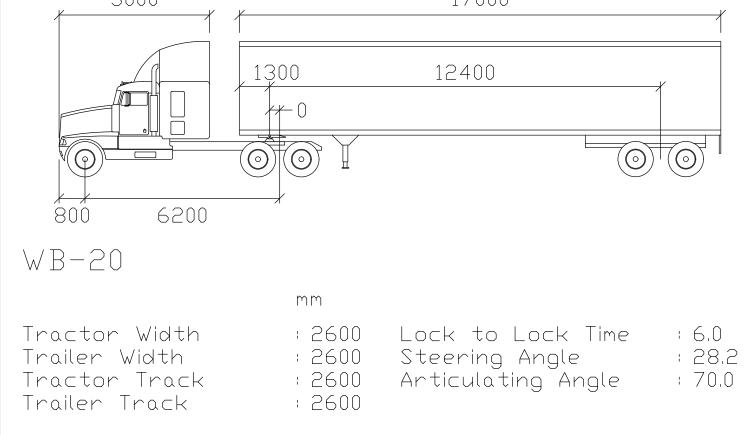


Circulation Review - 12155 Coleraine Drive, Bolton WB-20 Tractor-Semitrailer (In 3)

	1 19410 / 11	
Project No.	12649115	
Date	September 24, 2024	

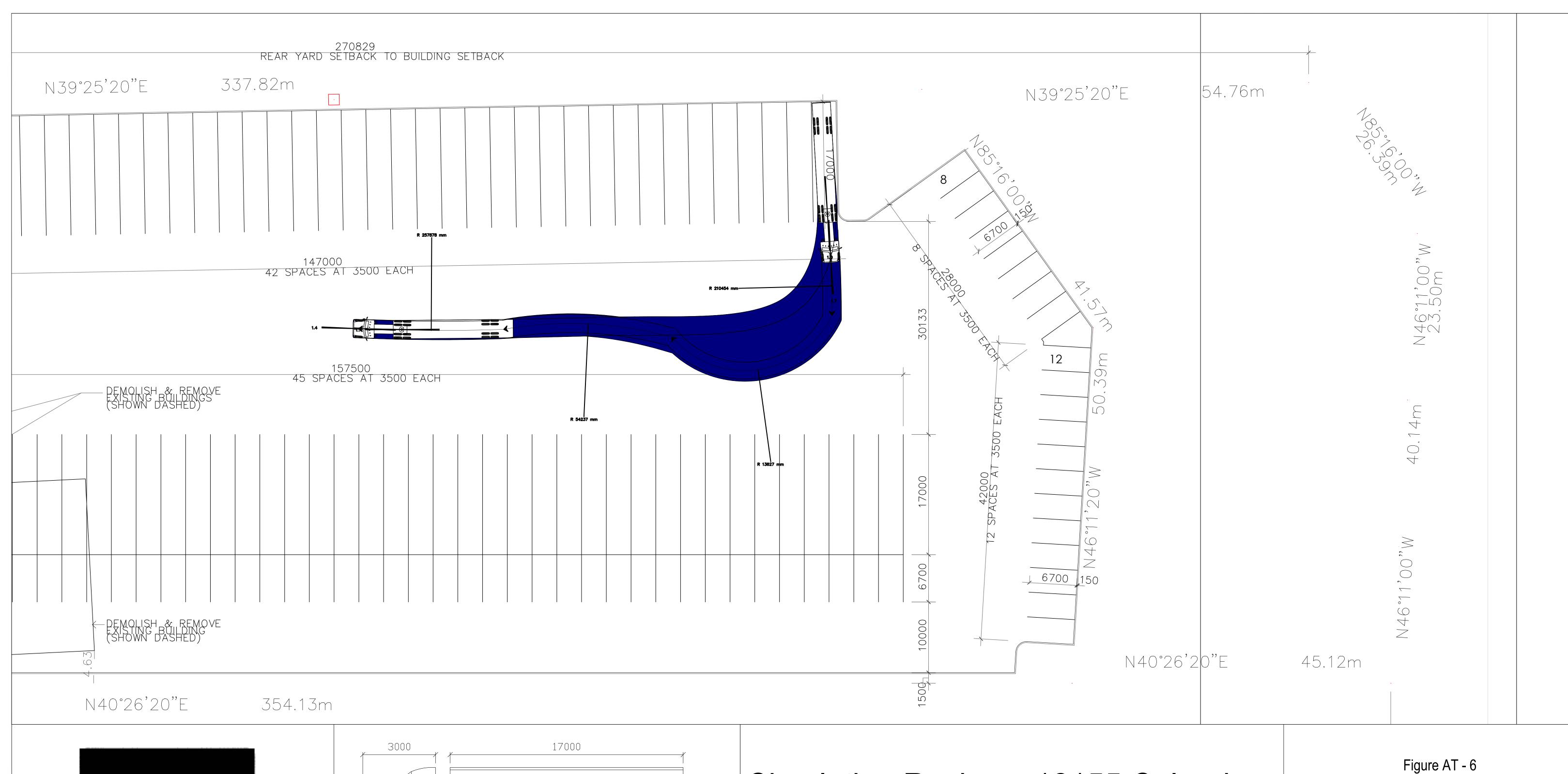




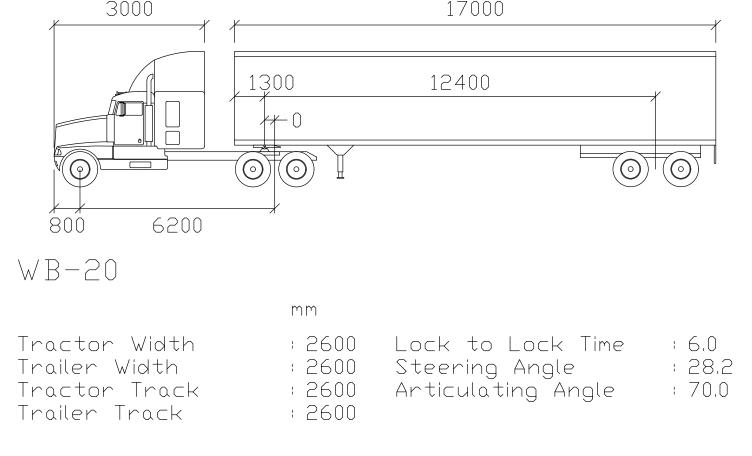


Circulation Review - 12155 Coleraine Drive, Bolton WB-20 Tractor-Semitrailer (Out 1)

Project No.	12649115

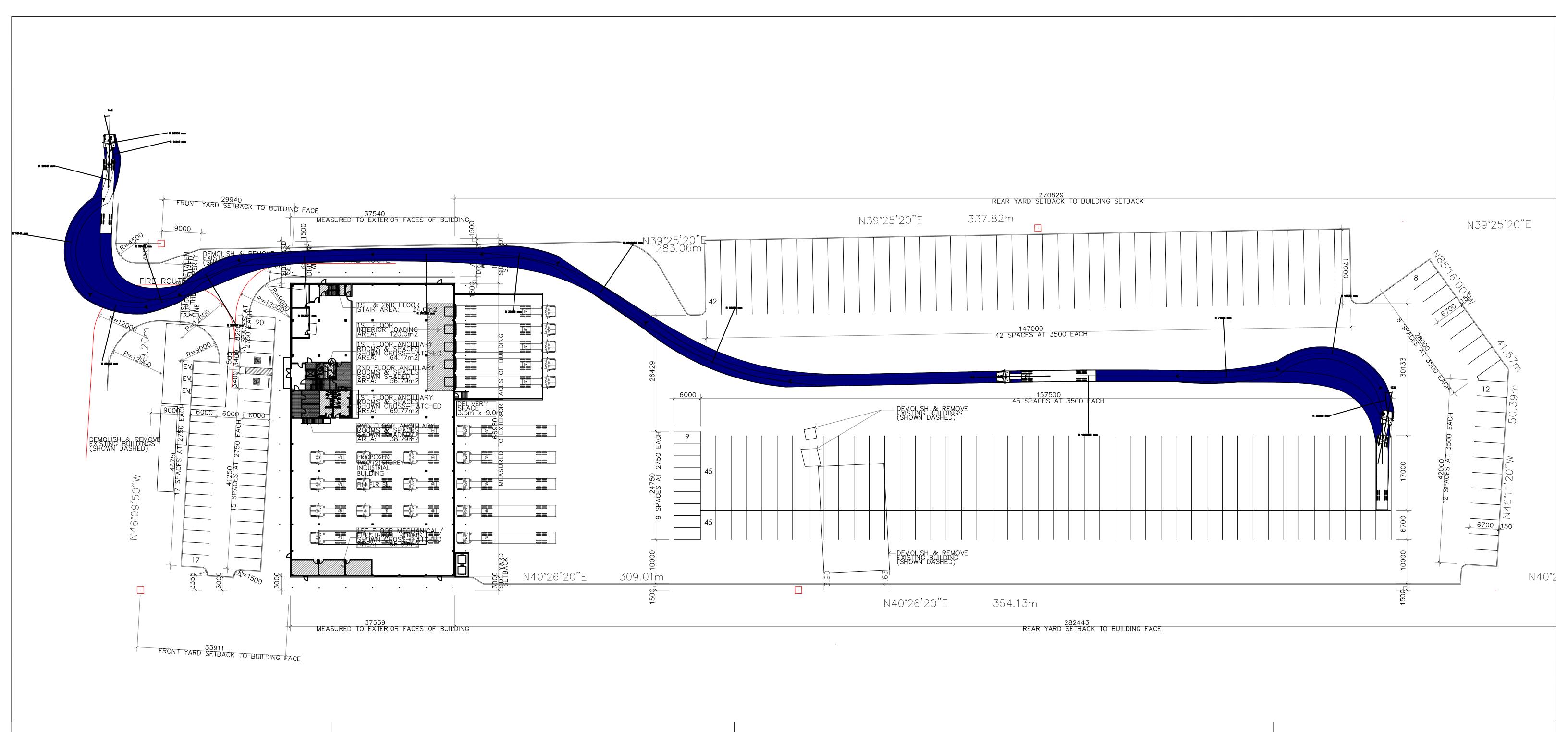




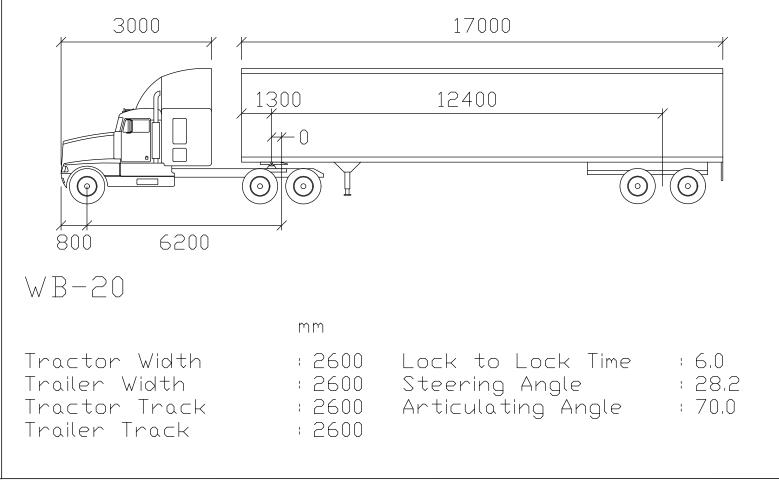


Circulation Review - 12155 Coleraine Drive, Bolton WB-20 Tractor-Semitrailer (Out 2)

oject No.	12649115	







Circulation Review - 12155 Coleraine
Drive, Bolton
WB-20 Tractor-Semitrailer
(Out 3)

Project No. 12649115