



CITY OF YELLOWKNIFE

YELLOWKNIFE OLD TOWN EMERGENCY CIRCULATION REVIEW AND PARKING STUDY



August 5, 2021

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Executive Summary

Parking has been an ongoing issue in the Old Town Area due to its tight development pattern, narrow streets and alleyways, many tourist attractions, and recreational/commercial boating operations. As well, members of the house boater community often park in the neighbourhoods of Old Town in the summer months, which means parking issues are not only experienced during standard business hours, but during off peak hours as well.

Safety is the biggest concern, as Old Town has narrow roads and vehicles that are often parked along the sides of these roads. This means that response times for emergency vehicles and personnel is slowed in several areas.

City Council requested that Administration complete a study and produce a report that details parking issues with respect to parking supply and demand patterns, road access and requirements, and recommended solutions for managing parking throughout Old Town.

Travel restrictions and decreases in parking demand related to the COVID-19 pandemic meant that the parking supply and demand pattern study could not be conducted, as data collected would not be accurate. It may be desirable to collect updated data following the return to typical travel patterns as travel restrictions decrease.

An Emergency Circulation Review was conducted by CREATIVE TRANSPORTATION SOLUTIONS LTD. (CTS) that revealed that on-street parking must be limited in much of the residential areas of Old Town in order to maintain effective emergency servicing. In order to determine solutions that counteract the decrease in supply of on-street parking, a review of No-Parking areas and potential on-street parking areas was conducted by Administration, as well as a jurisdictional analysis of residential parking pass programs across Canada.

This study generated some preliminary conclusions:

- The City of Yellowknife should increase and introduce no-parking signage in areas of Old Town in order to maintain effective emergency servicing;
- The City of Yellowknife should capitalize on existing off-street parking areas, such as the Old Town Parking Lot, and should increase on-street parking through infrastructure improvements;
- The City of Yellowknife should consider implementing a residential parking pass program in the residential parking areas of Old Town.

In order to enact on these preliminary conclusions, it is recommended by Administration that further budgeting and prioritizing be put in place by Council to conduct a parking supply and demand pattern study so that up-to-date data is collected and used; and create a feasibility and implementation plan, which can then be approved through the Capital Planning process.

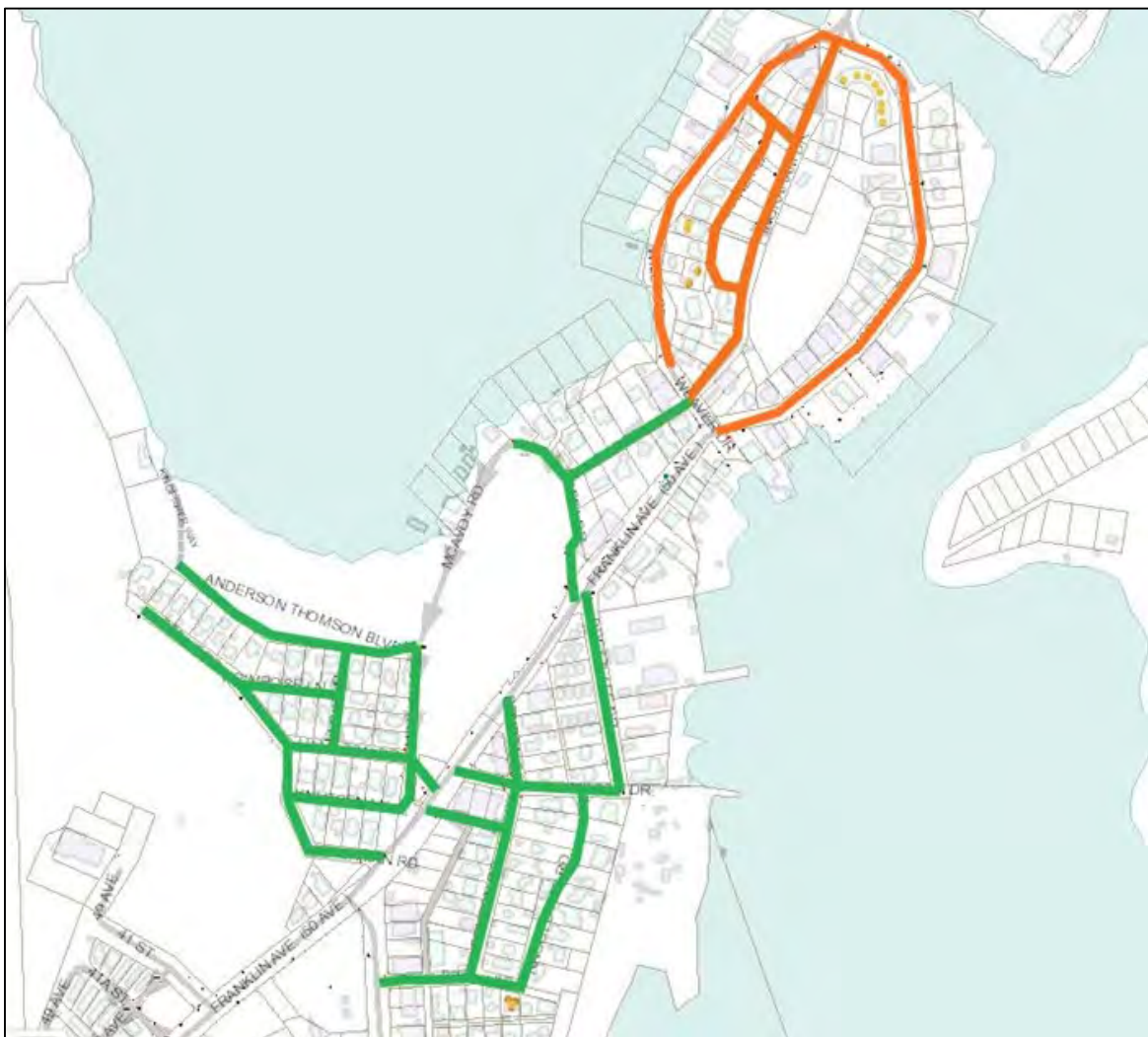
1.0 Study Purpose and Scope

This study was undertaken to complete a high-level assessment of the parking issues, emergency-circulation and road access requirements throughout Old Town. Considerations for the study included:

- An Emergency Circulation Review of Old Town streets, conducted by (“CTS”) demonstrating:
 - The vehicle path of the Fire Truck showing the outside line of the tire paths,
 - A 0.5 metre buffer outside each tire line identifying the minimum recommended clearance in order to ensure that the movement of the design vehicle is not impeded.
- A jurisdictional analysis of residential parking pass programs of municipalities across Canada;
- A Review of no-parking areas & potential opportunities for on-street parking areas;
- Alignment with goals to be included in the in-progress Zoning By-law Review.

The areas considered in this study are illustrated in **FIGURE 1**.

**FIGURE 1
STUDY AREA**



2.0 Study Inputs

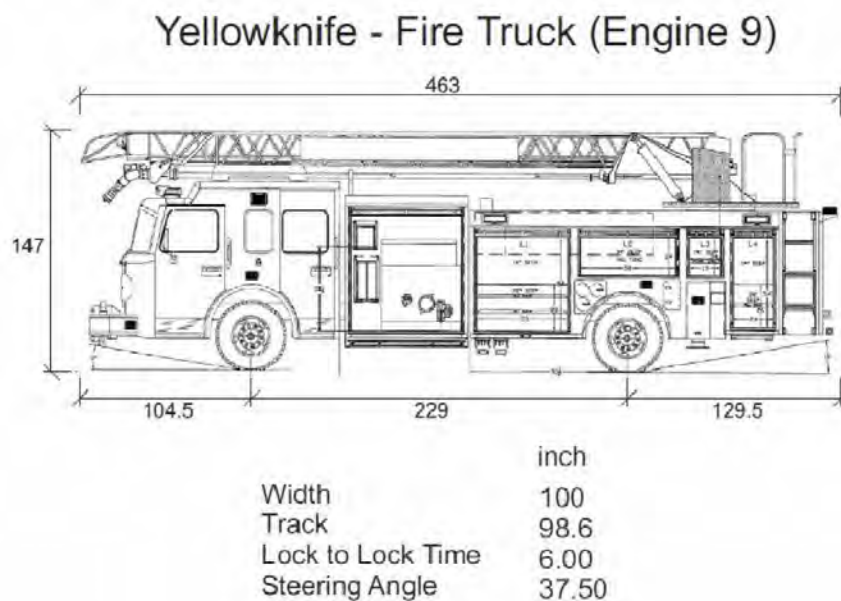
2.1 Emergency Circulation Review

As safety is the biggest concern, an Emergency Circulation Review was completed by CTS by overlaying Fire Truck Engine No. 9 vehicle swept path on top of the City of Yellowknife's satellite imagery and GIS mapping. A total of 52 individual base map drawings were prepared at a scale that shows sufficient detail to identify conflict points. The following roadways were reviewed:

- MacDonald Drive
- Ingraham Drive
- Wiley Road
- Raccine Road
- Doornbos Lane
- Bryson Drive
- Hamilton Drive
- Pilot's Lane
- Bretzlaff Drive
- Ragged Ass Road
- Alley between Bryson Drive & Franklin Avenue
- McAvoy Road
- Lois Lane
- Anderson Thomson Boulevard
- Boffa Drive
- Informal Road in "The Woodyard"
- Knutsen Lane
- Hershman Road
- Stout Road
- Primrose Lane

The dimensions of Fire Truck Engine No. 9 are illustrated in **FIGURE 2**.

FIGURE 2
FIRE TRUCK ENGINE NO. 9 DIMENSIONS



The vehicle path of the fire truck in the base map drawings show the outside line of the tire paths and a 0.5 m buffer outside each tire line identifying the minimum recommended clearance so that the movement of the design vehicle is not impeded. The completed drawing package can be found in **APPENDIX A: EMERGENCY CIRCULATION SWEPT PATH DRAWINGS**.

3.0 Analysis

3.1 Review of No-Parking Areas & Potential Opportunities for On-street Parking Areas

A spatial review of the Emergency Circulation Swept Path Drawings was completed in order to determine on-street parking supply limitations and opportunities. Areas marked green have capacity to accommodate on-street parking; areas marked yellow would have capacity to accommodate on-street parking with an infrastructure investment (such as removal of trees or widening of the road); and areas marked red do not have capacity to accommodate on-street parking while still maintaining proper access for emergency vehicle circulation. The completed drawing package can be found in **APPENDIX B: REVIEW OF NO-PARKING & POTENTIAL ON-STREET PARKING AREAS**

3.2 Jurisdictional Analysis of Residential Parking Pass Programs

Residential parking pass programs are implemented in areas with high parking demand and little on-street parking availability. These programs assist in prioritizing residential parking for residents through discouraging longer term parking by visitors. A jurisdictional analysis has been completed of Residential Parking Pass Programs across Canada, which can be found in **APPENDIX C: JURISDICTIONAL ANALYSIS OF RESIDENTIAL PARKING PASS PROGRAMS**. Municipalities considered included cities similar in size and character to Yellowknife, cities with high amounts of tourism, or Capital cities.

3.3 Alignment with Goals of the In-Progress Zoning Bylaw Review

It is recognized that Old Town is an area of mixed residential and commercial uses, that has seen increased tourism and commercial interest. New businesses have moved to Old Town and existing businesses have intensified their uses. However, it is difficult for businesses to meet the parking requirements of Zoning Bylaw No. 4404, as there is little available land and parking takes up large amounts of space. The current parking requirements of Zoning Bylaw No. 4404 are contrary to the 2020 Community Plan Objectives and Policies for Old Town. Old Town is envisioned as an area with retail & commercial operations that service the needs of visitors and local residents, a walkable and bikeable destination, and an area that will adaptively re-use its historical building stock for new uses.

In order to achieve this vision, Administration is proposing to reduce the parking requirements in the Old Town Zone in the new Zoning Bylaw. Residential parking minimums will not decrease for the Old Town area, but reductions for other uses range from ~33% to 75% depending on the use.

TABLE 1: OLD TOWN PARKING MINIMUMS COMPARISON

Use Type	Current Parking Minimums	Proposed Parking Minimums
Residential	1/dwelling unit	N/A- No change proposed
Commercial	2 spaces/100 m ²	0.5 spaces/100 m ²
Food/Beverage	1 space/4 seats	No parking spaces for less than 200 m ² ; 1/100 m ² for businesses greater than 200 m ²
Hotel/Motel	1 space/2 guest rooms	1 space/3 guest rooms
Office	3 spaces/100 m ²	2 spaces/100 m ²

By reducing parking requirements, it supports compact development of Old Town and allows businesses to expand, as less lot space is required to be allocated to parking. This will create a more walkable, pedestrian oriented destination that is attractive and retains the Old Town charm. This in turn will encourage transit mode shift of visitors to Old Town from private motor vehicles to sustainable modes of transportation, as it will be less convenient to drive and easier to walk, cycle, or take transit. This will have the impact of decreasing the demand for off-street and on-street parking when combined with other initiatives, such as accessibility improvements of City infrastructure and improvements to the City's transit system.

4.0 Conclusions and Recommendations

In order to enact on these conclusions and recommendations, it is recommended by Administration that further budgeting and prioritizing by Council in order to:

- Conduct a parking supply and demand study so that up-to-date data can be used, especially since parking supply and demand will change as vaccinations increase and travel restrictions decrease. Data collection should consider the following parking groups:
 - Residents of Old Town and Yellowknife;
 - Businesses and Offices located in Old Town;
 - Tourism Operators, especially tour buses;
 - Houseboaters, especially considering seasonal impacts;
 - Special Events; and
 - Boats and boat trailers.
- Create a feasibility and implementation plan, utilizing the emergency circulation review and parking demand and supply study as data, which can then be approved through the Capital Planning process.

4.1 Capitalize on Existing Off-Street Parking Areas and Increase On-Street Parking

Paving and improvements of the Old Town Parking Lot have been halted until scoping work is completed for improvements to Lift Station #1. In the meantime, this area is underutilized and the current lay-out does not maximize parking stalls. Until the scoping work has been completed and a permanent configuration with hard surfacing is able to be implemented, it is recommended:

- That the recycling area be moved to the side of the site;
- Additional parking bollards be installed to delineate more stalls.

These improvements are illustrated in **FIGURE 3**.

Identified in the review of the Emergency Circulation Swept Path Drawings, space for parking exists within the City owned road Right-of-Ways around Old Town, but in order to implement parking, infrastructure improvements would need to take place. These improvements, depending on the area, include:

- Widening of the road bed to include a larger shoulder that can accommodate parking stalls;
- Brush and tree removal of overgrown areas;
- Hard surface asphaltting and line delineation of parking stalls;
- Determine feasibility of metered parking stalls along MacDonald Drive.

FIGURE 3
RECOMMENDED INTERIM IMPROVEMENTS TO OLD TOWN PARKING LOT



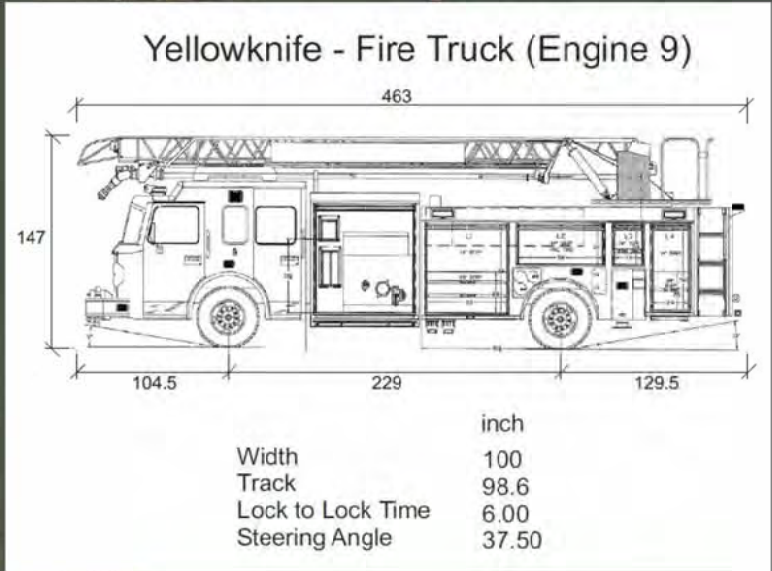
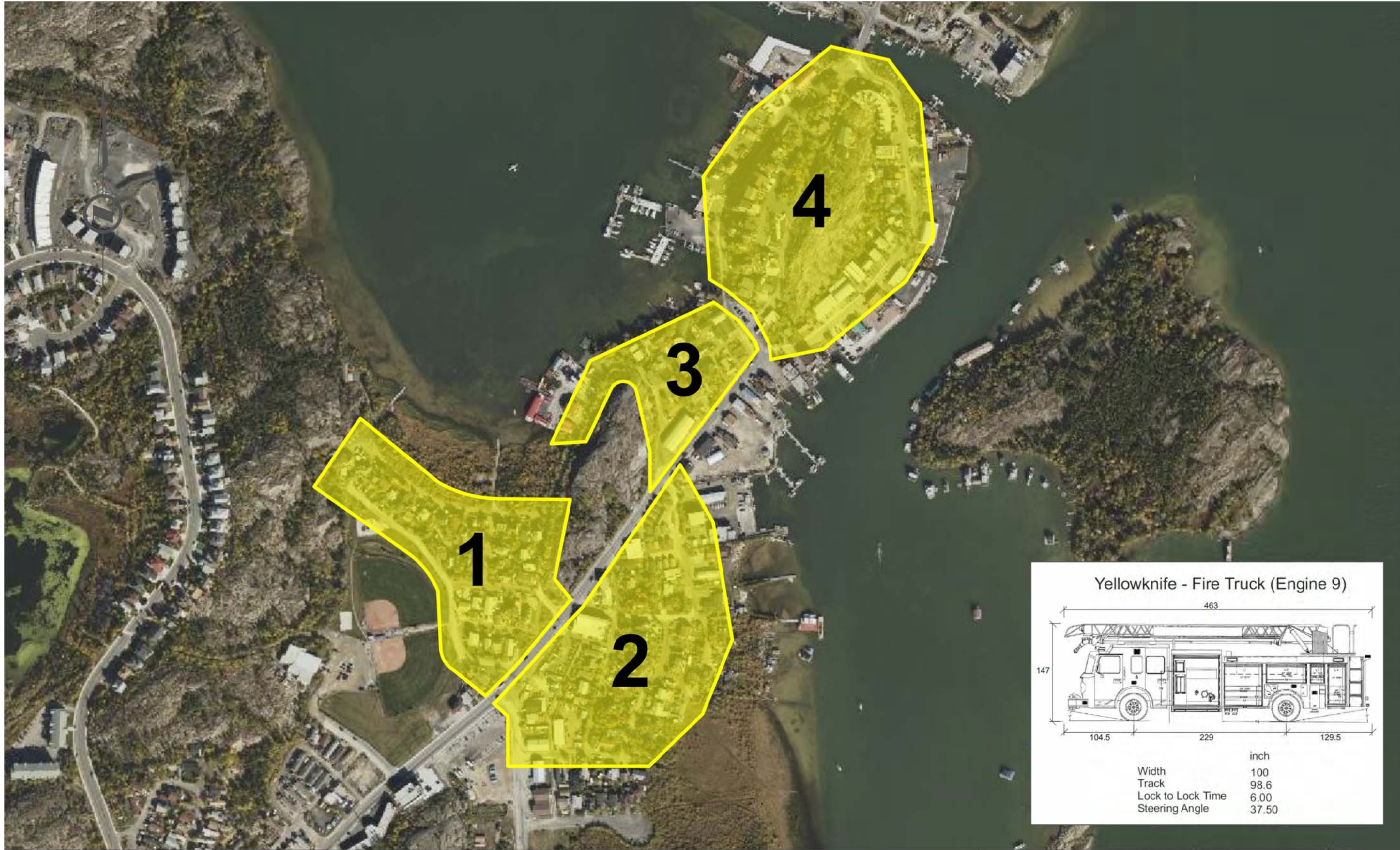
4.2 Implementation of a Residential Parking Pass Program in Old Town

As Old Town is an area with high parking demand and little on-street parking supply, a Residential Parking Pass should be introduced in order to discourage longer term parking by visitors. Below are some preliminary Parking Pass Program criteria extrapolated from the jurisdictional analysis:

TABLE 2: RESIDENTIAL PARKING PASS CRITERIA

Preliminary Criteria of Parking Pass Program	Rationale
In place year round, 7 days, 24 hours	Old Town experiences parking pressures year round: <ul style="list-style-type: none"> • Seasonal- Summer, houseboaters and boat trailers; Winter, increased tourism • Different Peak times- food/beverage services see increased traffic in the evening; offices and retail see increased traffic during the day.
Streets closest to the commercial areas of Old Town should allow a 2-3 hour limit during business hours for non-permit holders	Allows for short term parking for businesses, incentivizes stall turnover, and incentivizes longer visits to park in Old Town Parking lot.
Administration fee to be determined	To be determined if the program should be cost recoverable or free.
Permit valid for 1 year	Keeps the database current; vary renewal times to keep administrative load even
Guest pass details to be determined	More data is needed to determine on-street parking stall availability to be able to offer passes to guests of residents.

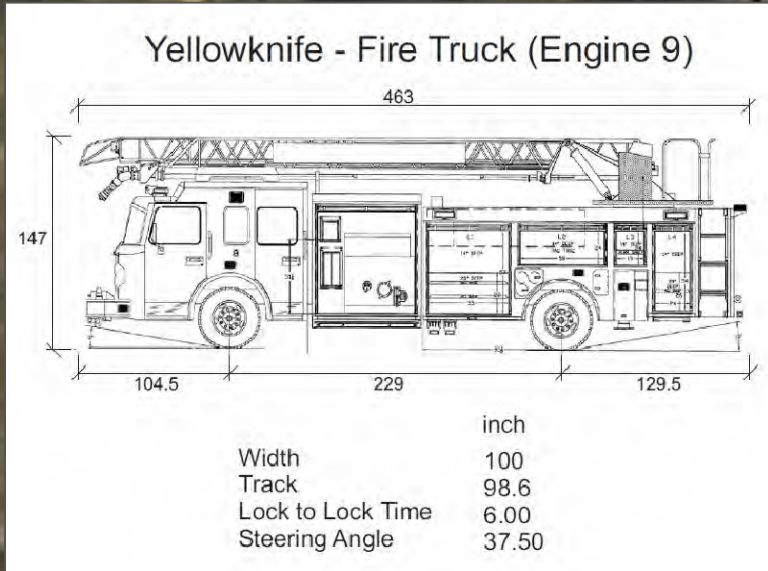
APPENDIX A: EMERGENCY CIRCULATION SWEPT PATH DRAWINGS



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Rear Tires —						J.V.		
Vehicle Body —						R.C.	7288	
0.5m Body Clearance —						J.V.	8 MAR 2021	0
Conflict —								
FIRE TRUCK ENGINE 9 SWEPT PATH – OVERALL AREA					OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW			



KINGFISHER WAY



LEGEND	REVISIONS	DESCRIPTION	DATE	BY
Front Tires				
Rear Tires				
Vehicle Body				
0.5m Body Clearance				
Conflict				

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 Tel: 604-936-6190

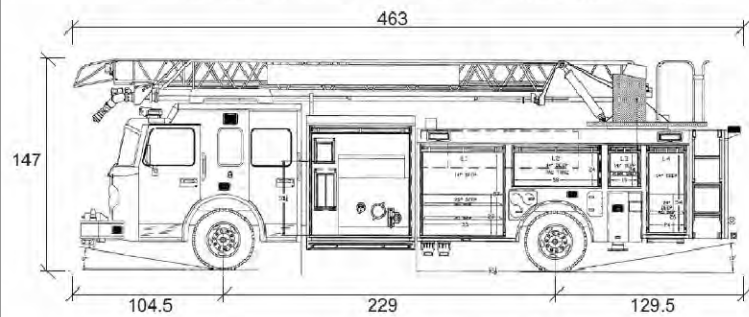
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

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Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

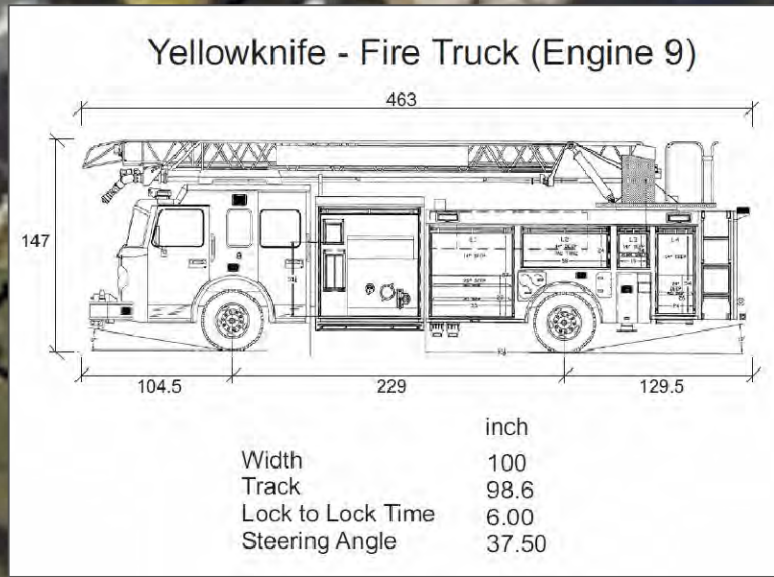
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CLS Traffic Engineering Specialists
 101A 1952 Kingsway Avenue,
 Port Coquitlam, BC, Canada, V3C 6C2
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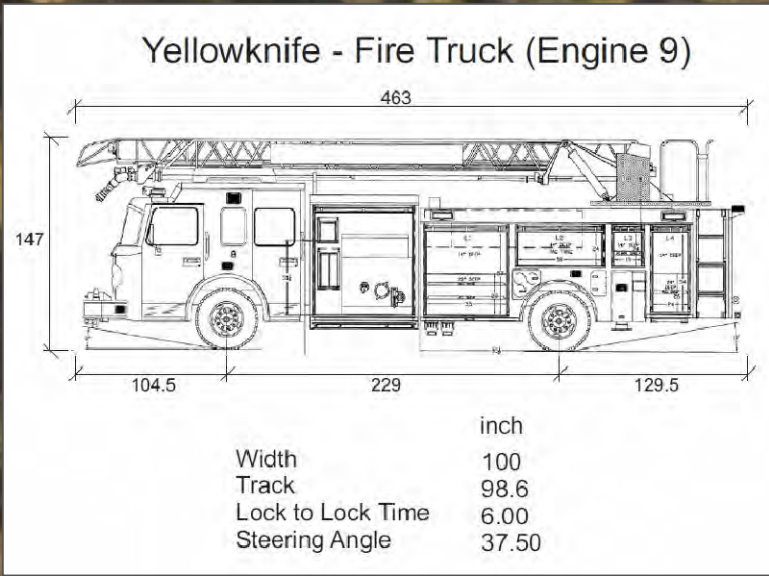
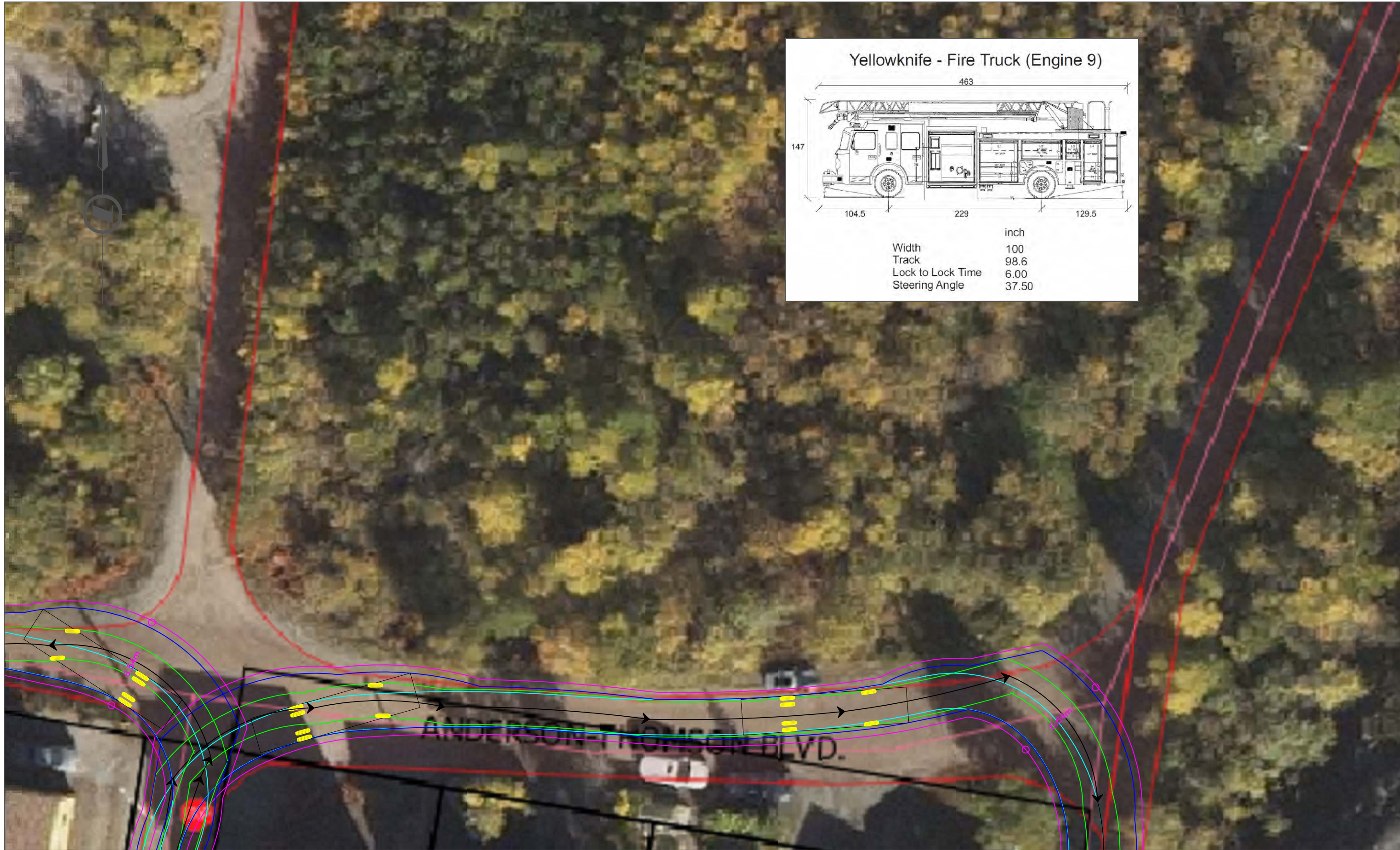
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

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Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	8 MAR 2021			Revision No.:	0



LEGEND Front Tires — Rear Tires — Vehicle Body — 0.5m Body Clearance — Conflict 	REVISIONS	DESCRIPTION	DATE	BY	 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 1	Stamp:	Scale: NTS	Project Number:	3
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OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW										



LEGEND

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- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict —

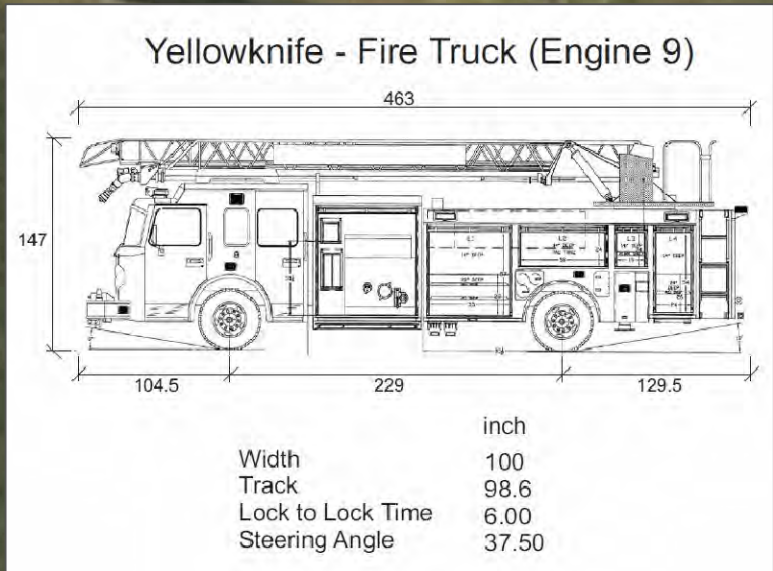
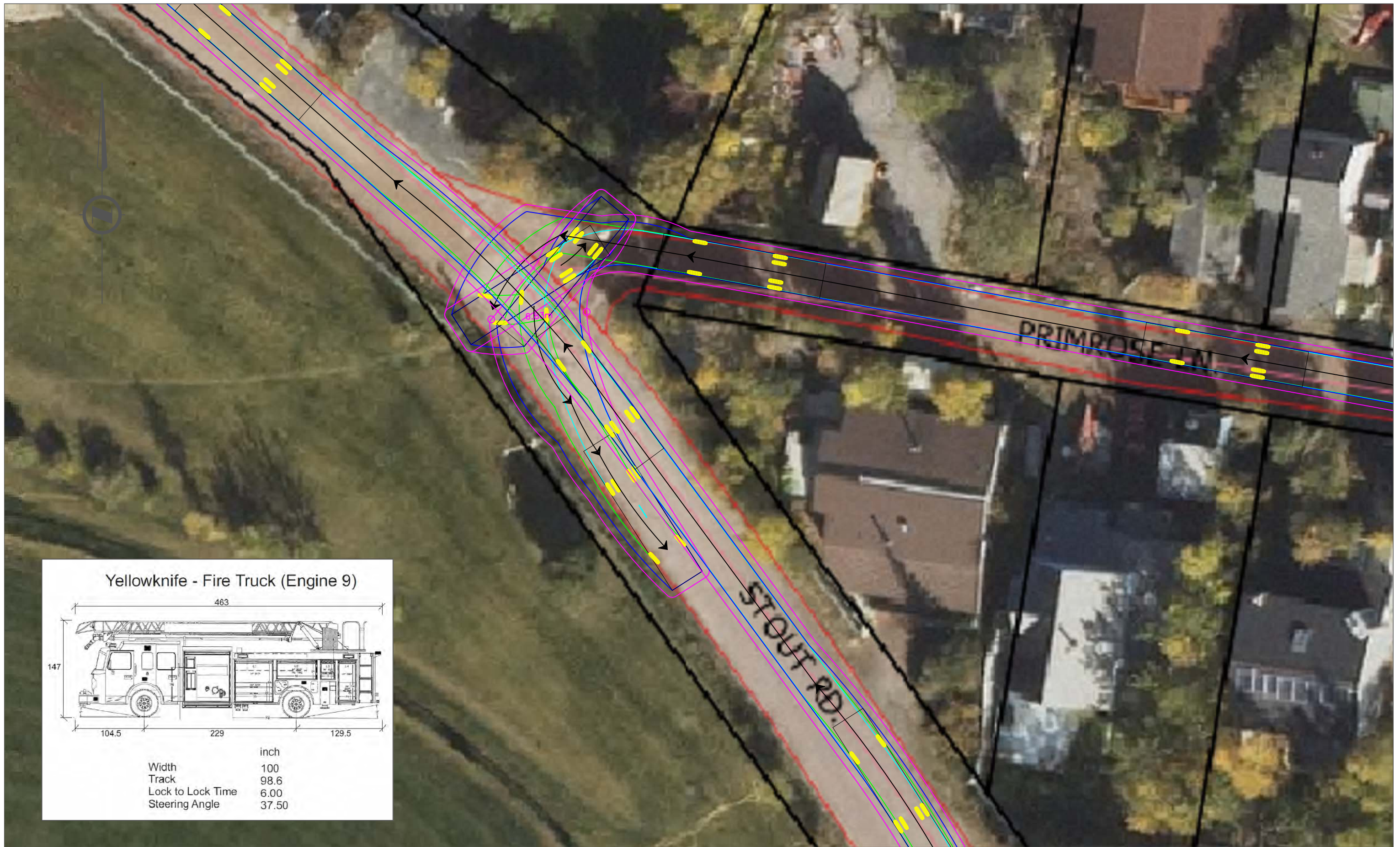
REVISIONS	DESCRIPTION	DATE	BY

CTS Traffic Engineering Specialists
 101A 1952 Kingsway Avenue,
 Port Coquitlam, BC, Canada, V3C 6C2
 Tel: 604-936-6190

**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	4
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Reviewed:	J.V.	Date:	8 MAR 2021	Revision No:	

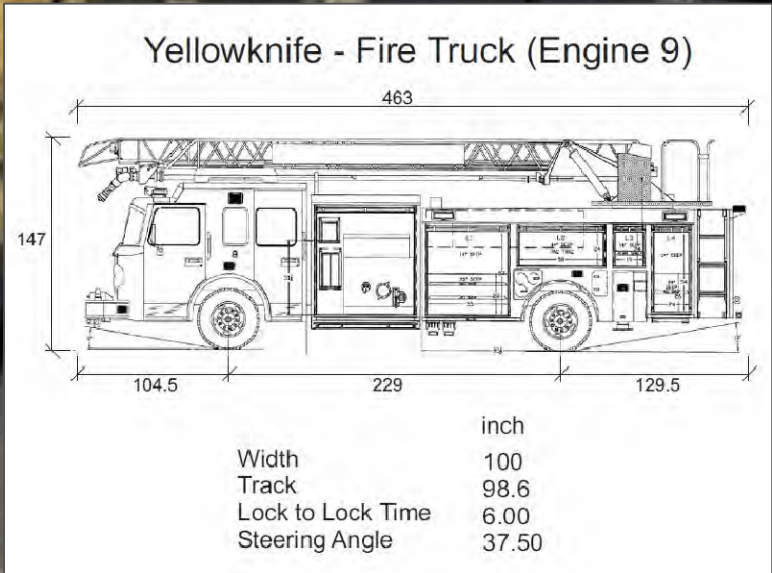


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Vehicle Body						R.C.	CTS Project Number: 7288	
0.5m Body Clearance						J.V.	Date: 8 MAR 2021	
Conflict								Revision No.: 0

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict - - -

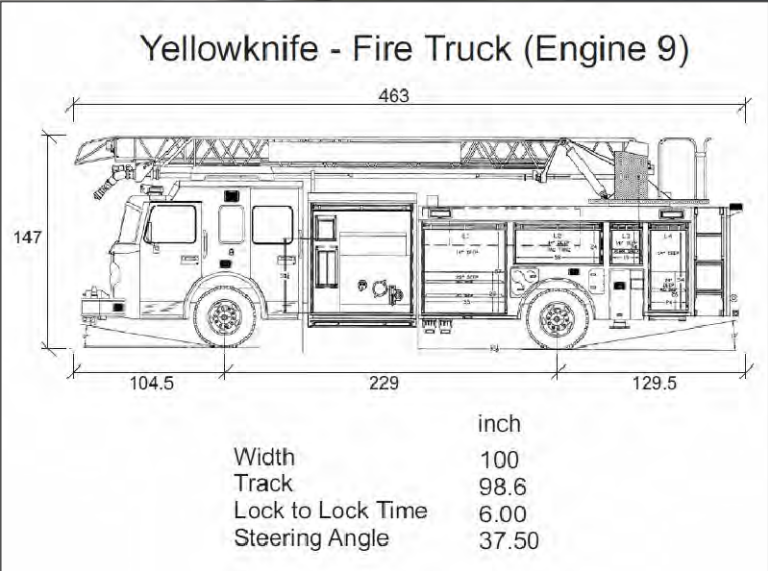
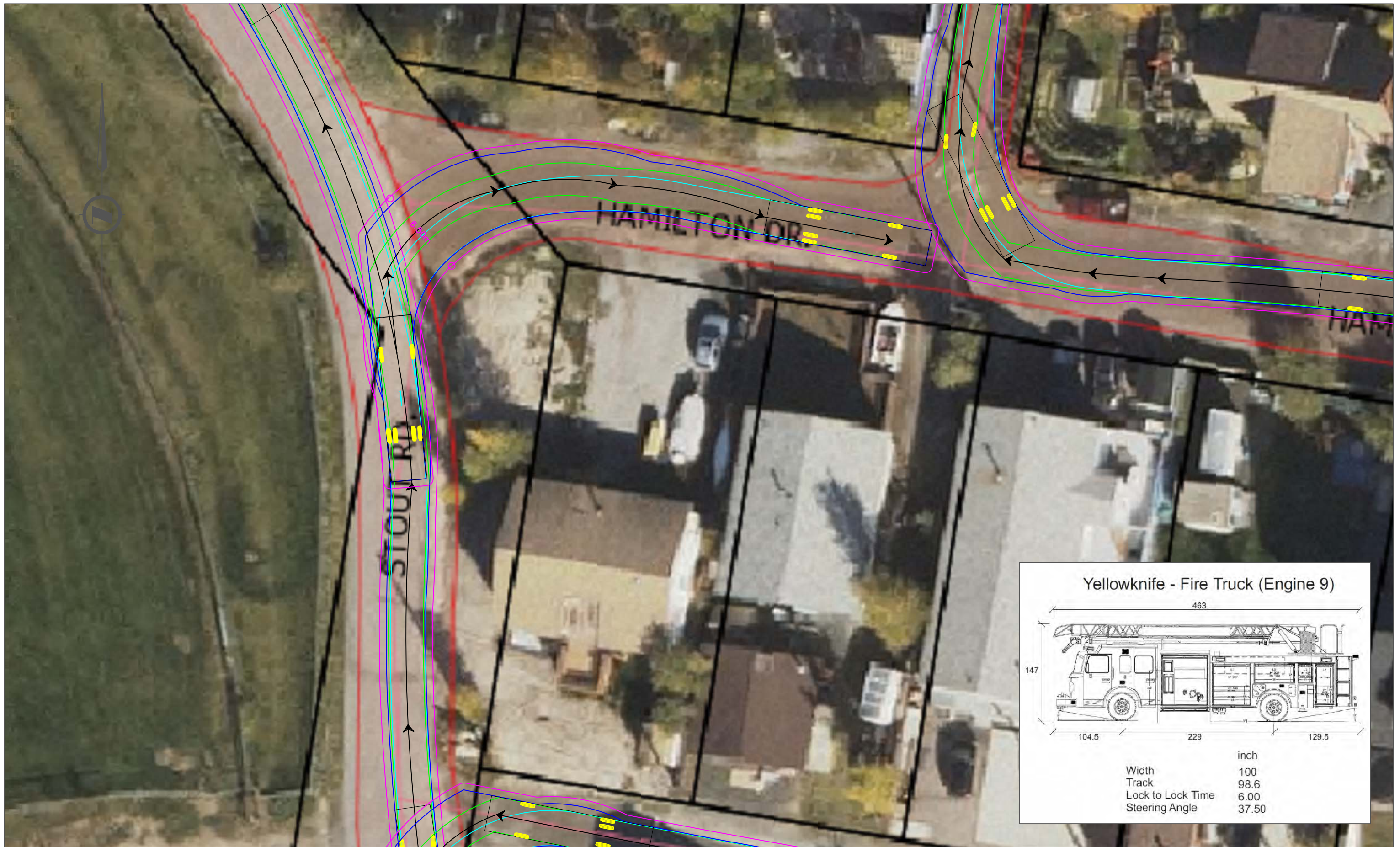
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CTS Traffic Engineering Specialists
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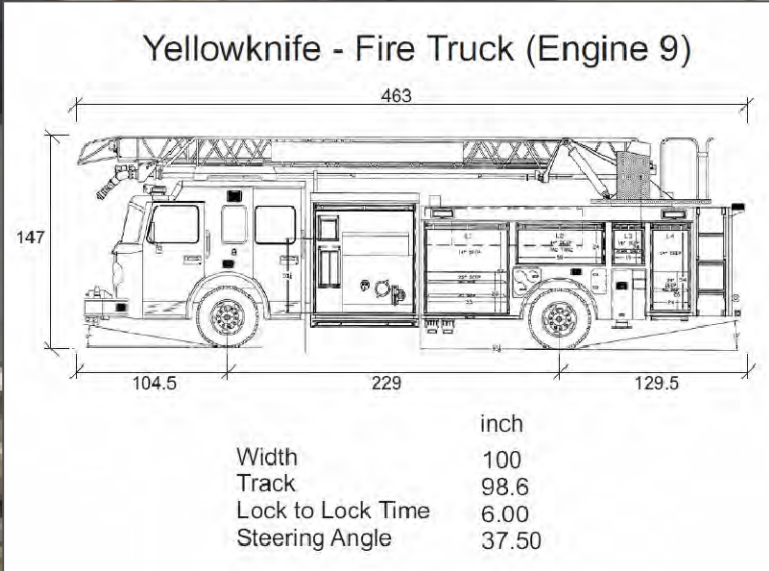
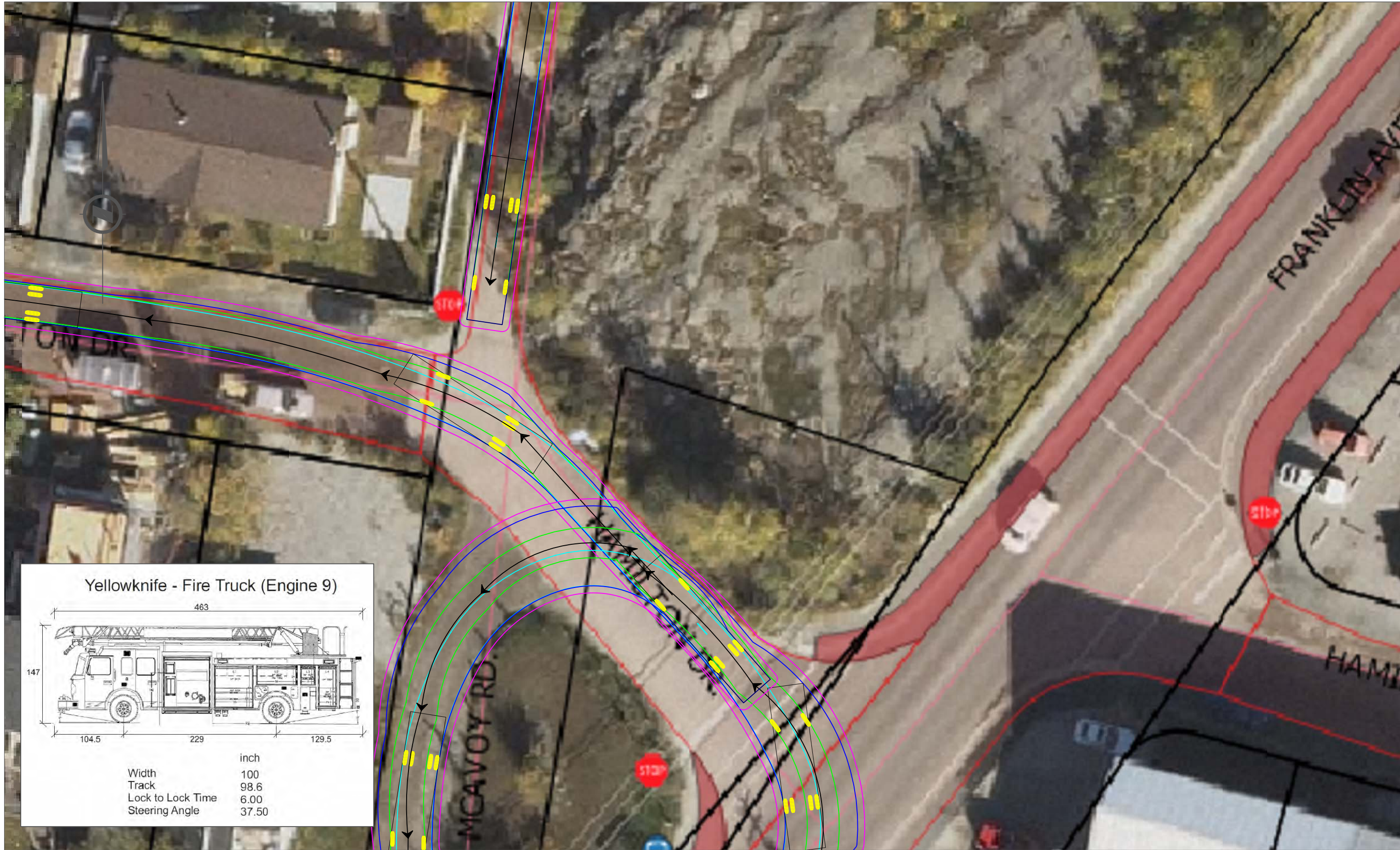
**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

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Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



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Rear Tires —							J.V.		7
Vehicle Body —							R.C.	7288	
0.5m Body Clearance —						FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 1			
Conflict 						OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW			
							J.V.	8 MAR 2021	0



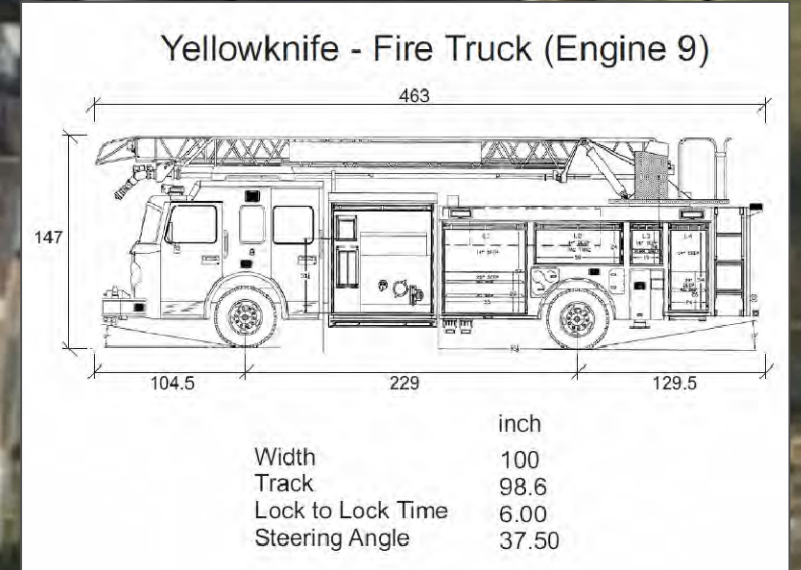
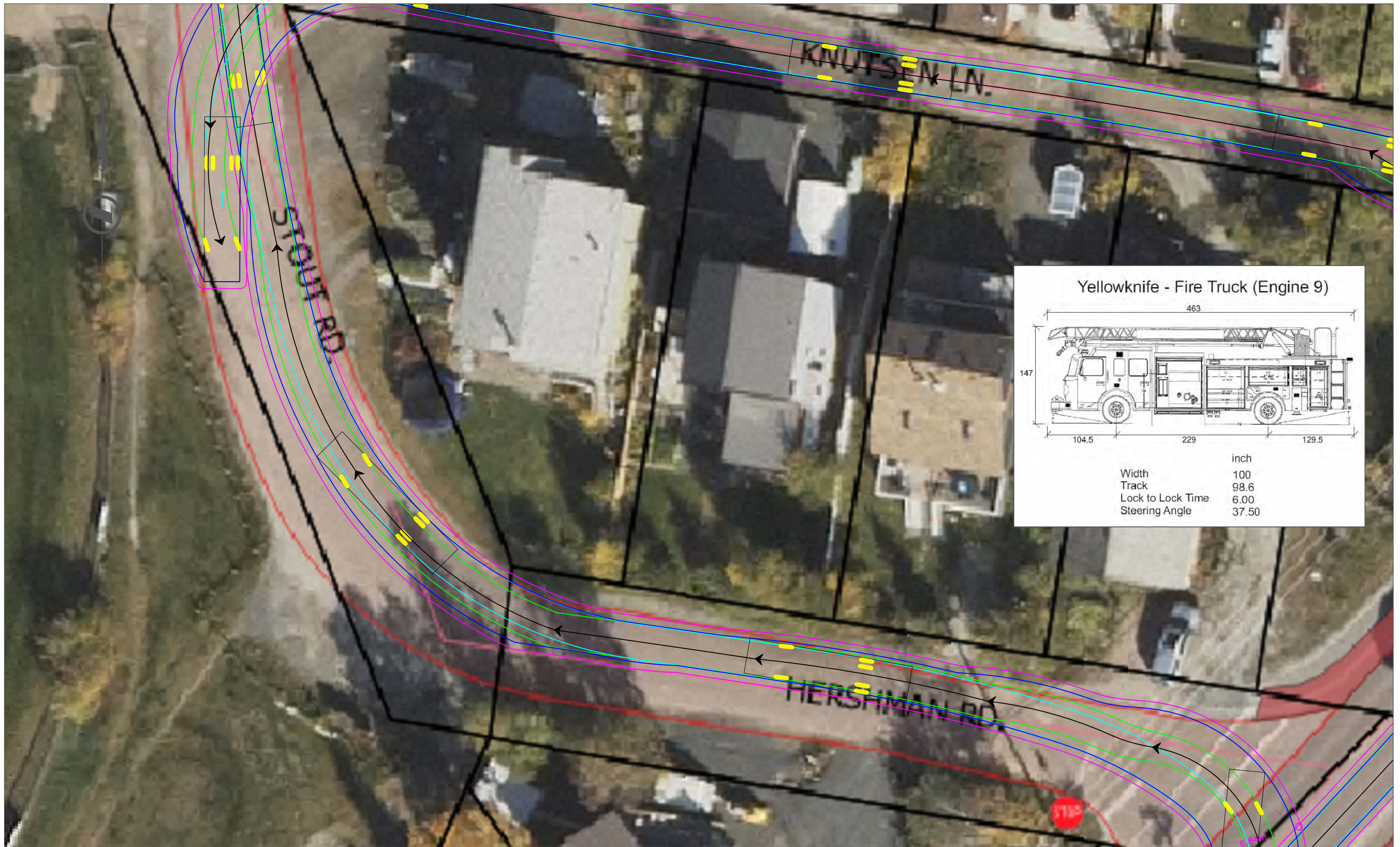
LEGEND	REVISIONS	DESCRIPTION	DATE	BY
Front Tires				
Rear Tires				
Vehicle Body				
0.5m Body Clearance				
Conflict				

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	8
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No:	0



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

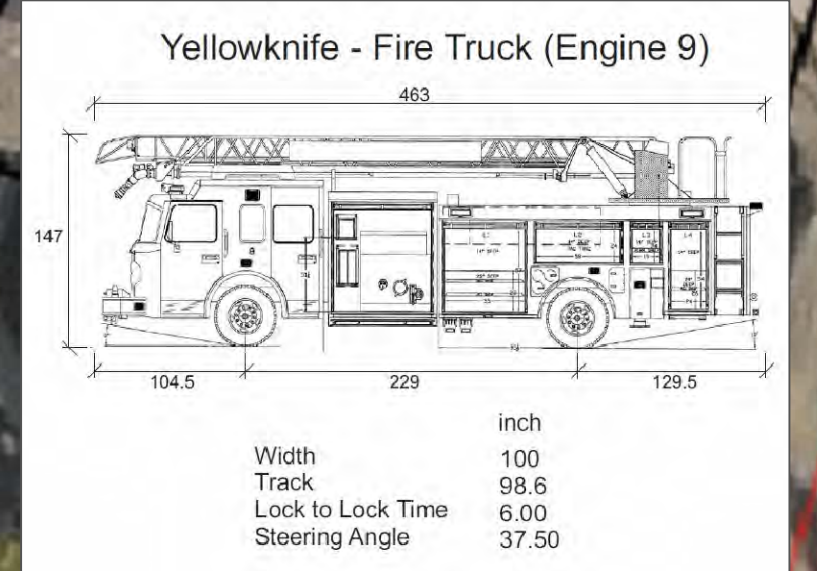
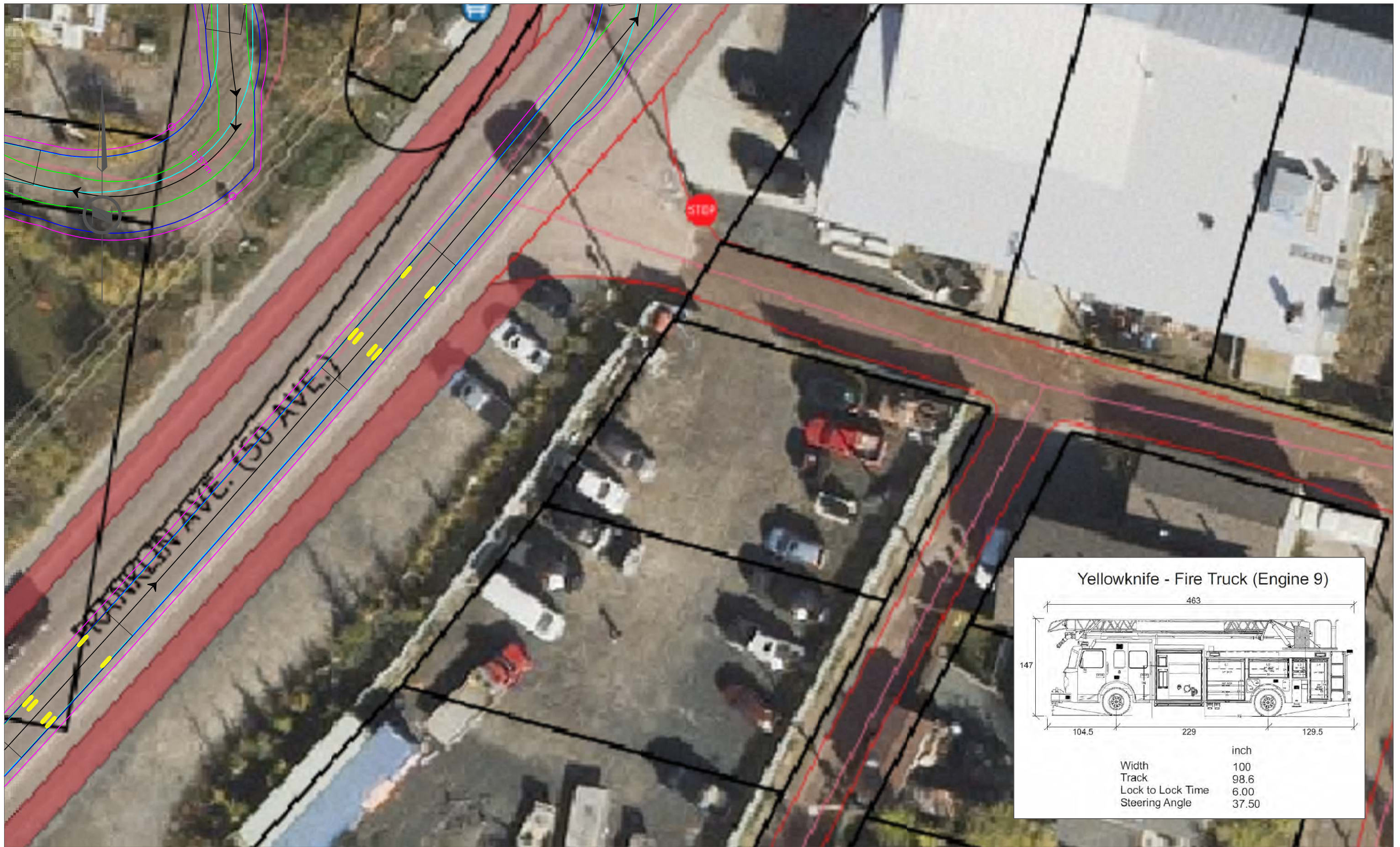
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	9
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



LEGEND

Front Tires	
Rear Tires	
Vehicle Body	
0.5m Body Clearance	
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No: 10
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Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.: 0



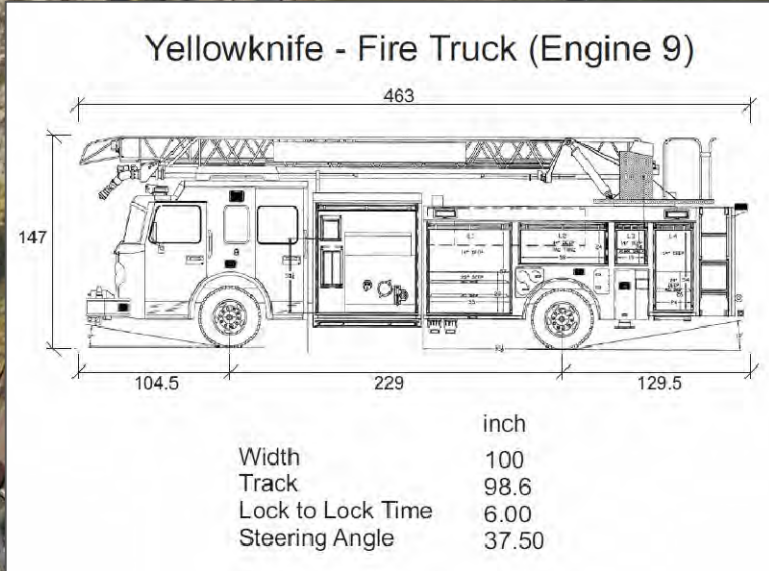
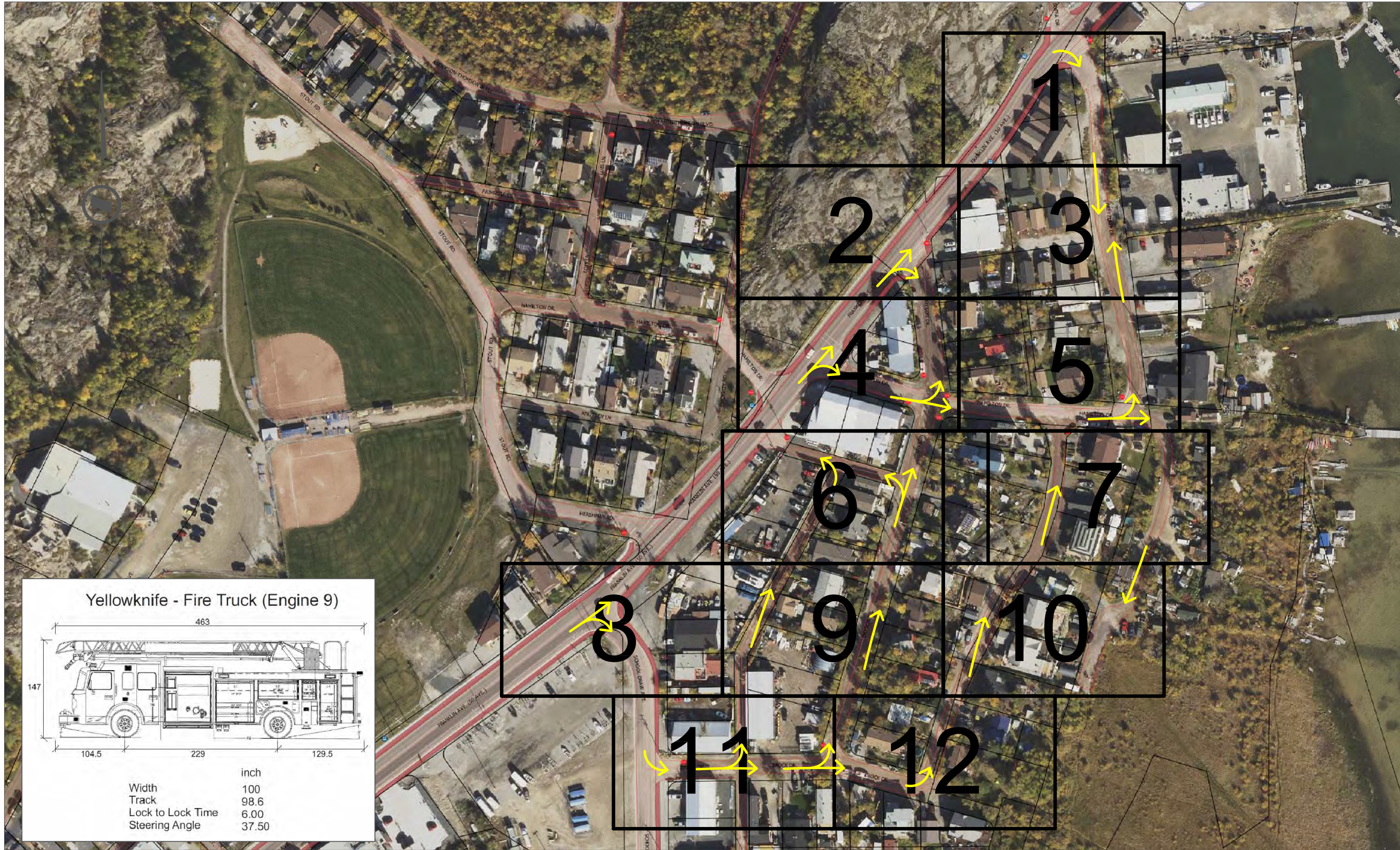
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
Front Tires					
Rear Tires					
Vehicle Body					
0.5m Body Clearance					
Conflict					

CTS Traffic Engineering Specialists
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FIRE TRUCK ENGINE 9
 SWEEP PATH – OVERALL AREA

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	A
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Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revised No.:	0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY
Front Tires				
Rear Tires				
Vehicle Body				
0.5m Body Clearance				
Conflict				

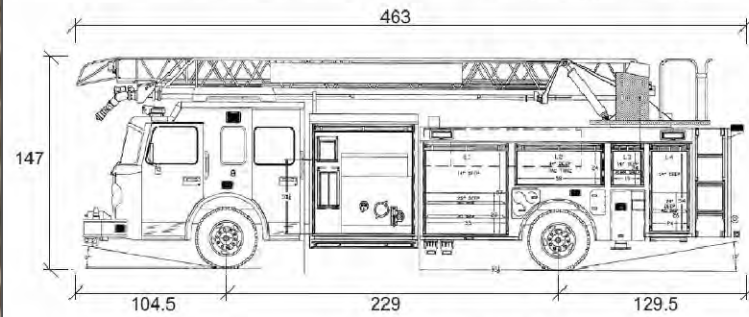
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FIRE TRUCK ENGINE 9
 SWEEP PATH - INDEX (AREA 2)

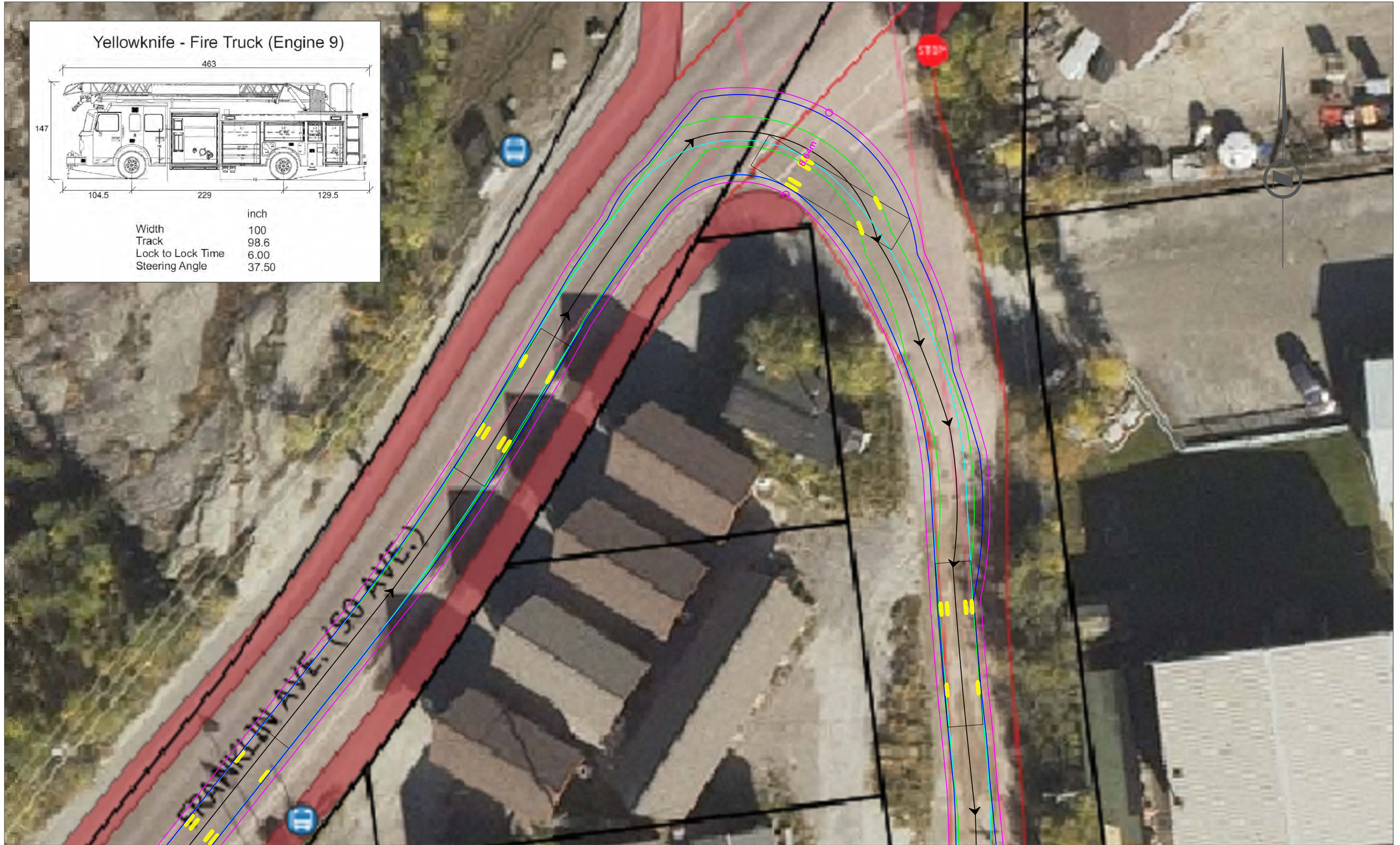
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

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	Designed: J.V.	Drawing Number:	0
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 19 JANUARY 2021	Revision No: 0

Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50



LEGEND

Front Tires	—
Rear Tires	—
Vehicle Body	—
0.5m Body Clearance	- - -
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

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 Port Coquitlam, BC, Canada, V3C 6C2
 Tel: 604-936-6190

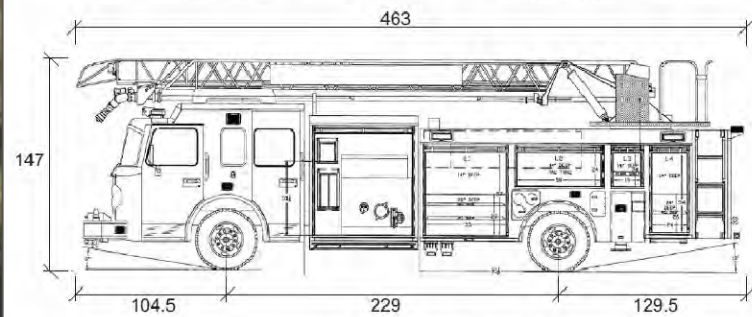
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	
Designed:	J.V.	Drawing Number:				1	
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	19 JANUARY 2021				Revision No.: 0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

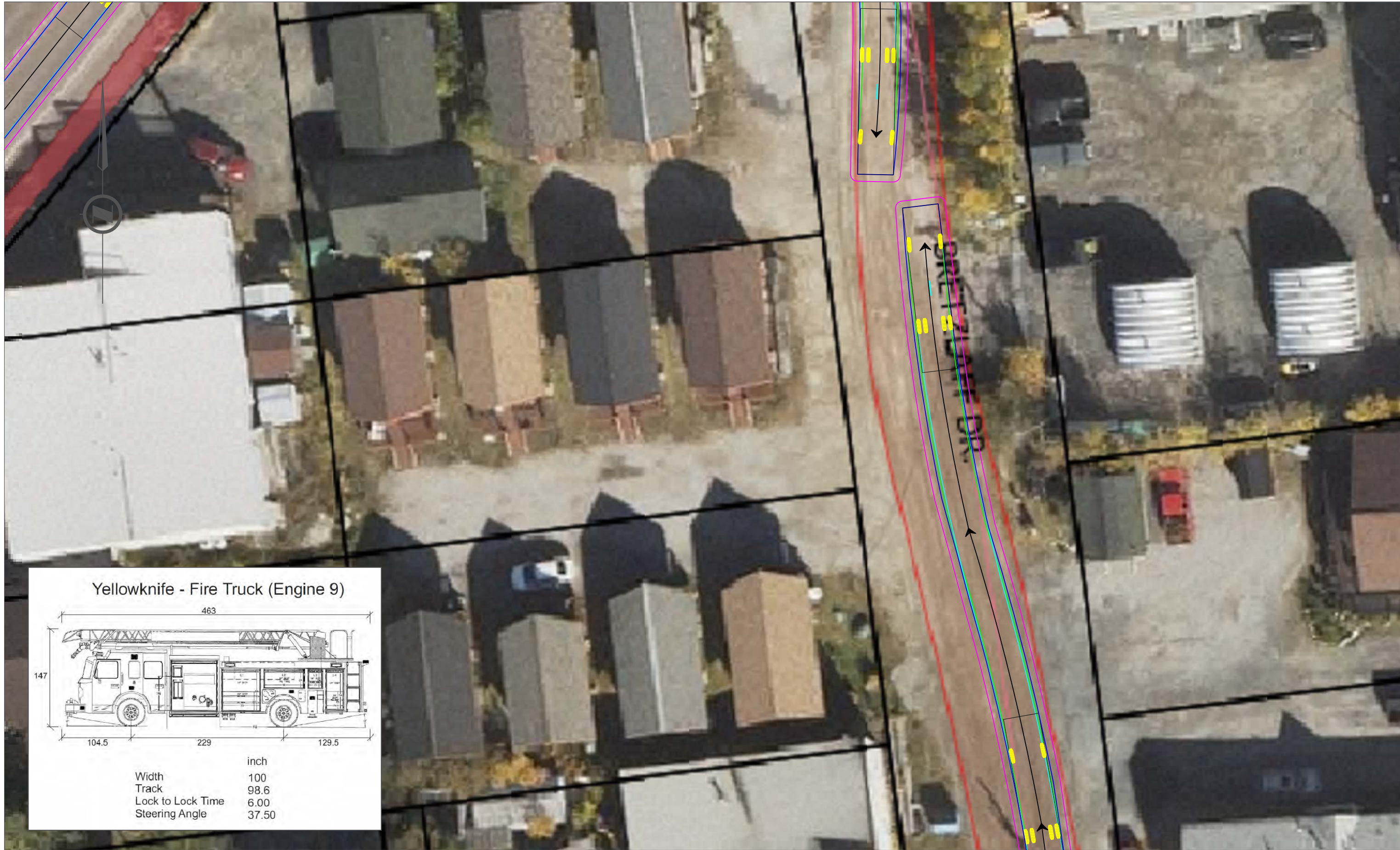
REVISIONS	DESCRIPTION	DATE	BY

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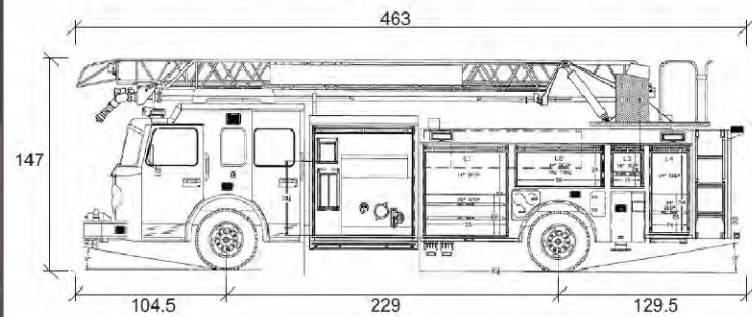
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:	Scale: NTS	Project Number:	Drawing No: 2
	Designed: J.V.	Drawing Number:	
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 19 JANUARY 2021	Revision No: 0



Yellowknife - Fire Truck (Engine 9)



- Width 100 inch
- Track 98.6
- Lock to Lock Time 6.00
- Steering Angle 37.50

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

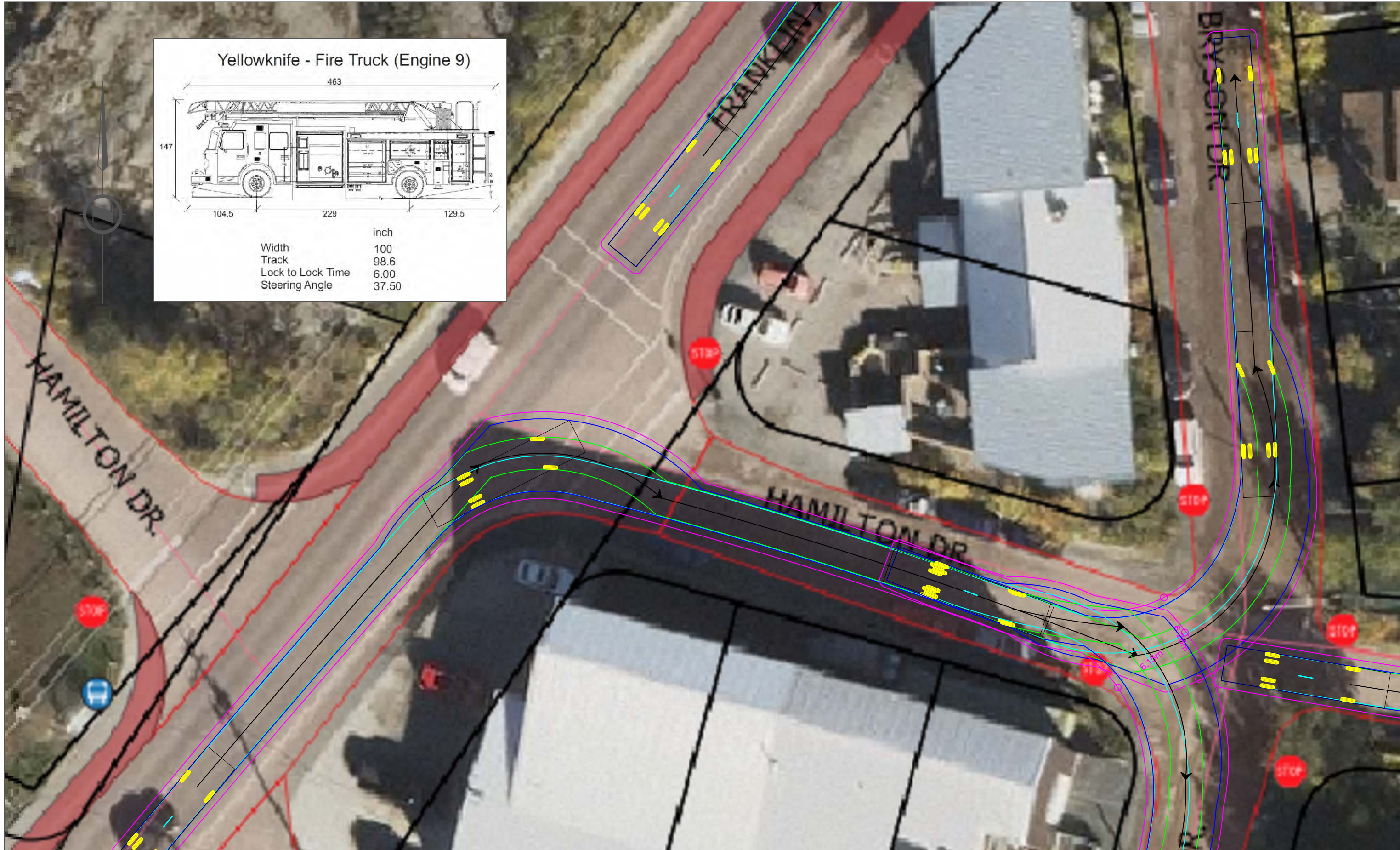
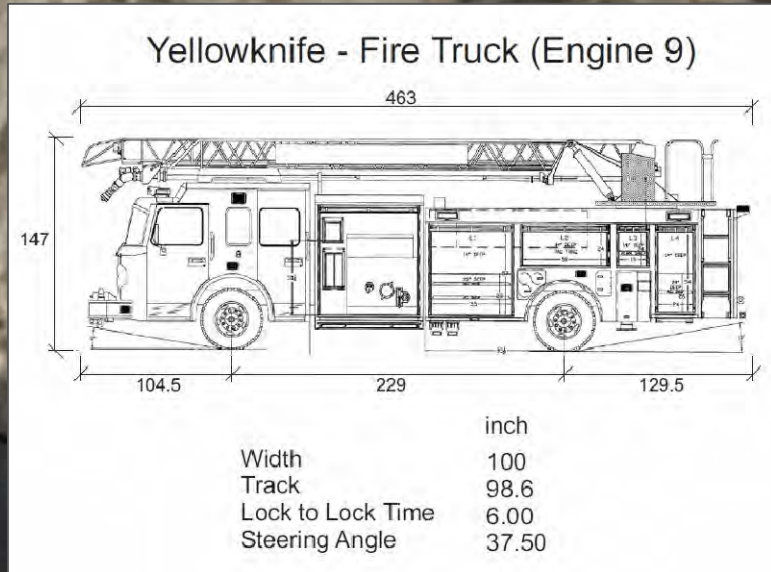
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEPT PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	3
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No:	0



LEGEND		REVISIONS	DESCRIPTION	DATE	BY
Front Tires	—				
Rear Tires	—				
Vehicle Body	—				
0.5m Body Clearance	- - -				
Conflict	●				

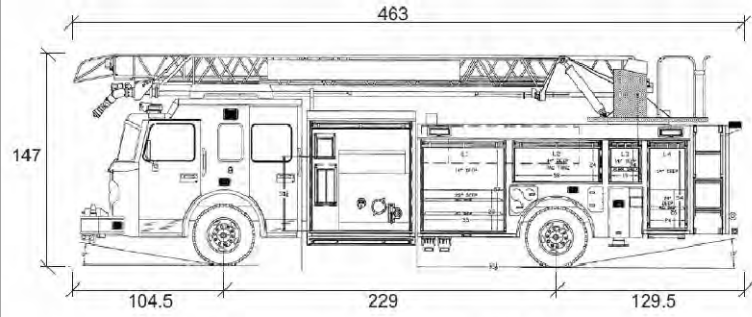
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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 2**

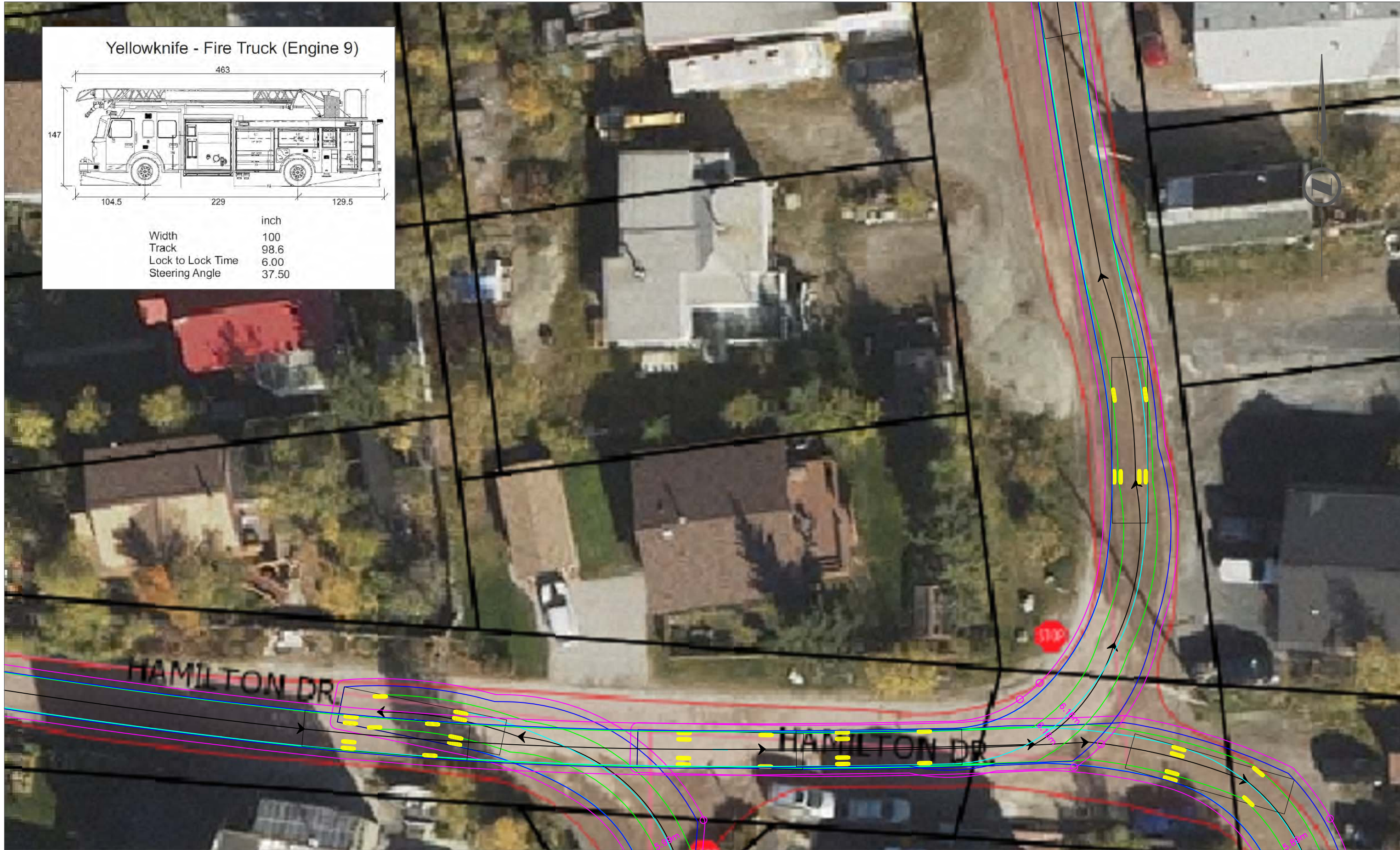
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	4
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0

Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

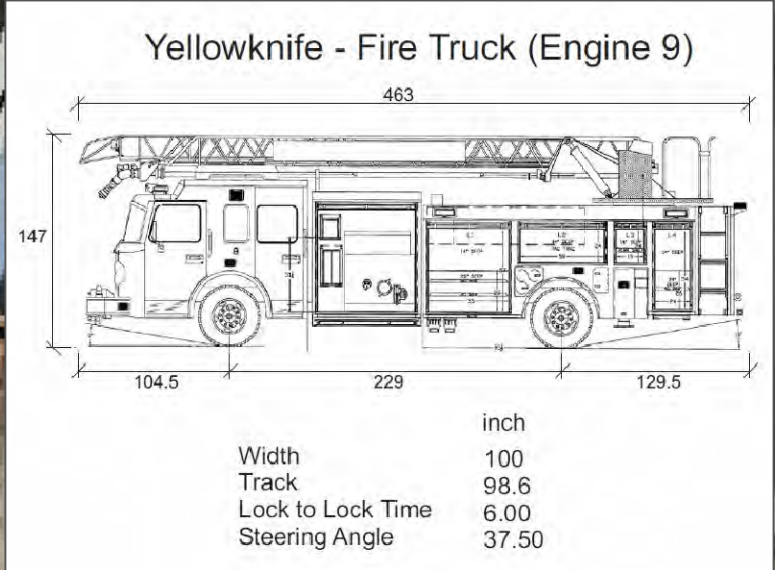
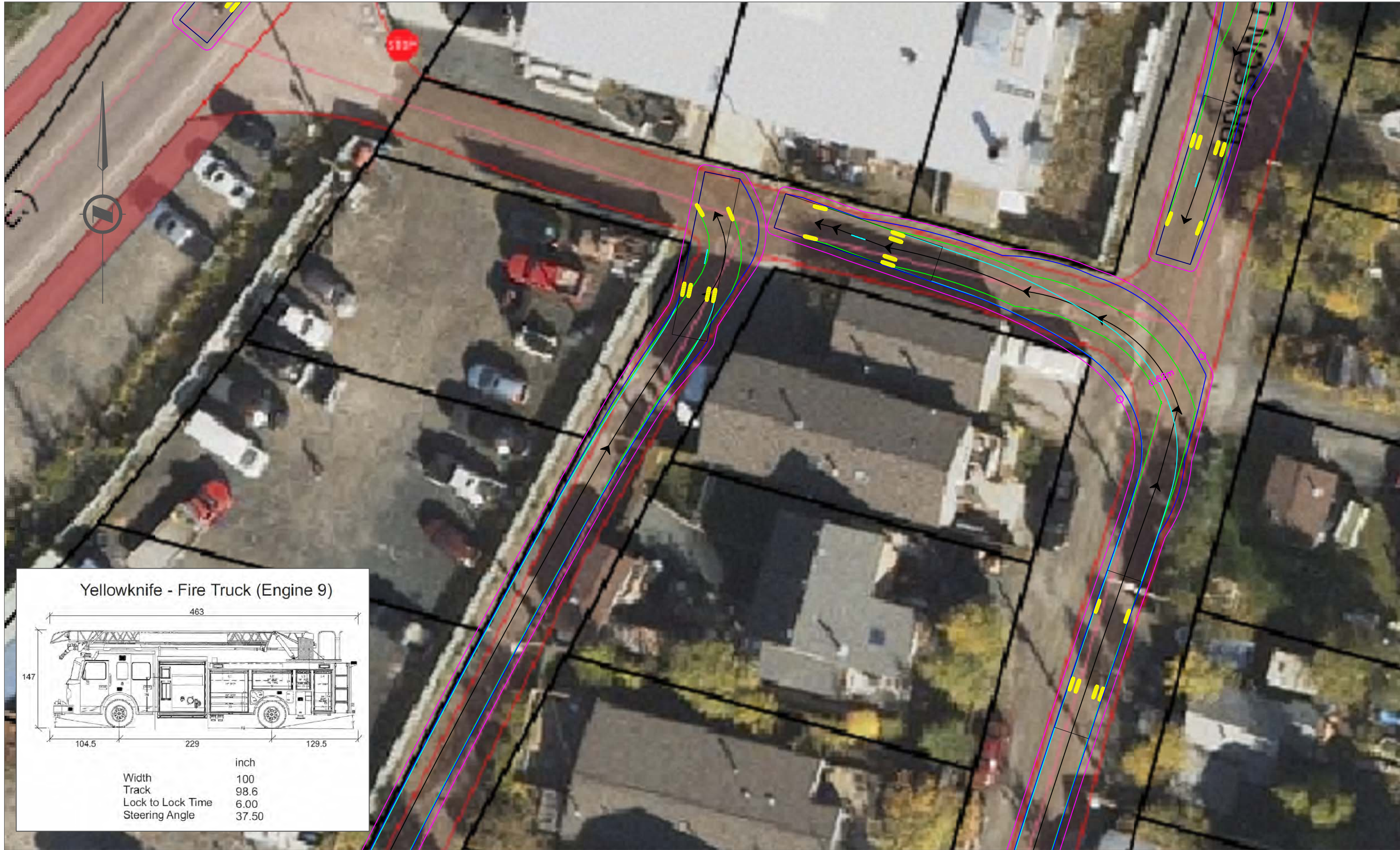
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	5
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0



LEGEND	
Front Tires	
Rear Tires	
Vehicle Body	
0.5m Body Clearance	
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

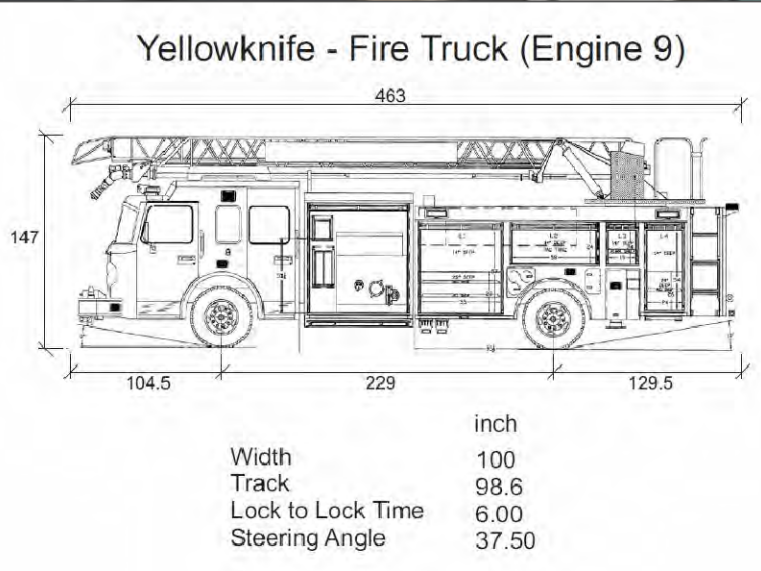
CTS Traffic Engineering Specialists
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 Tel: 604-936-6190

**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

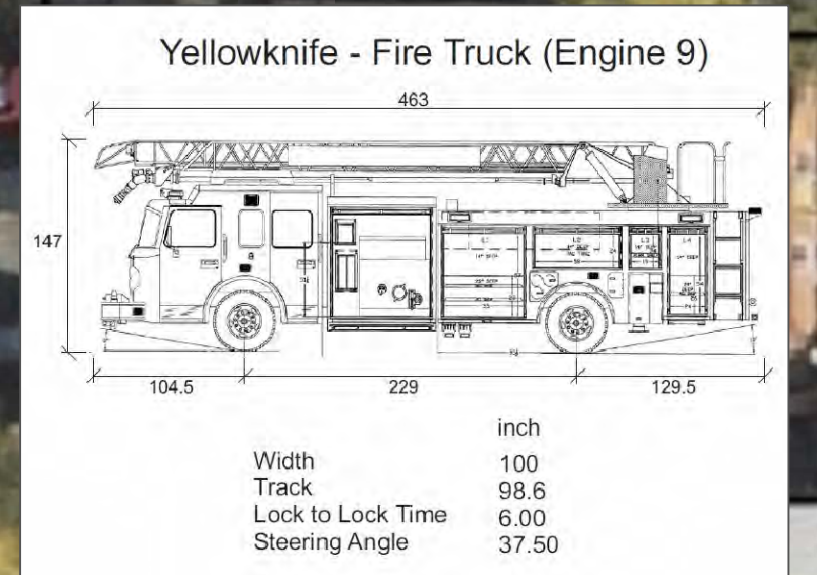
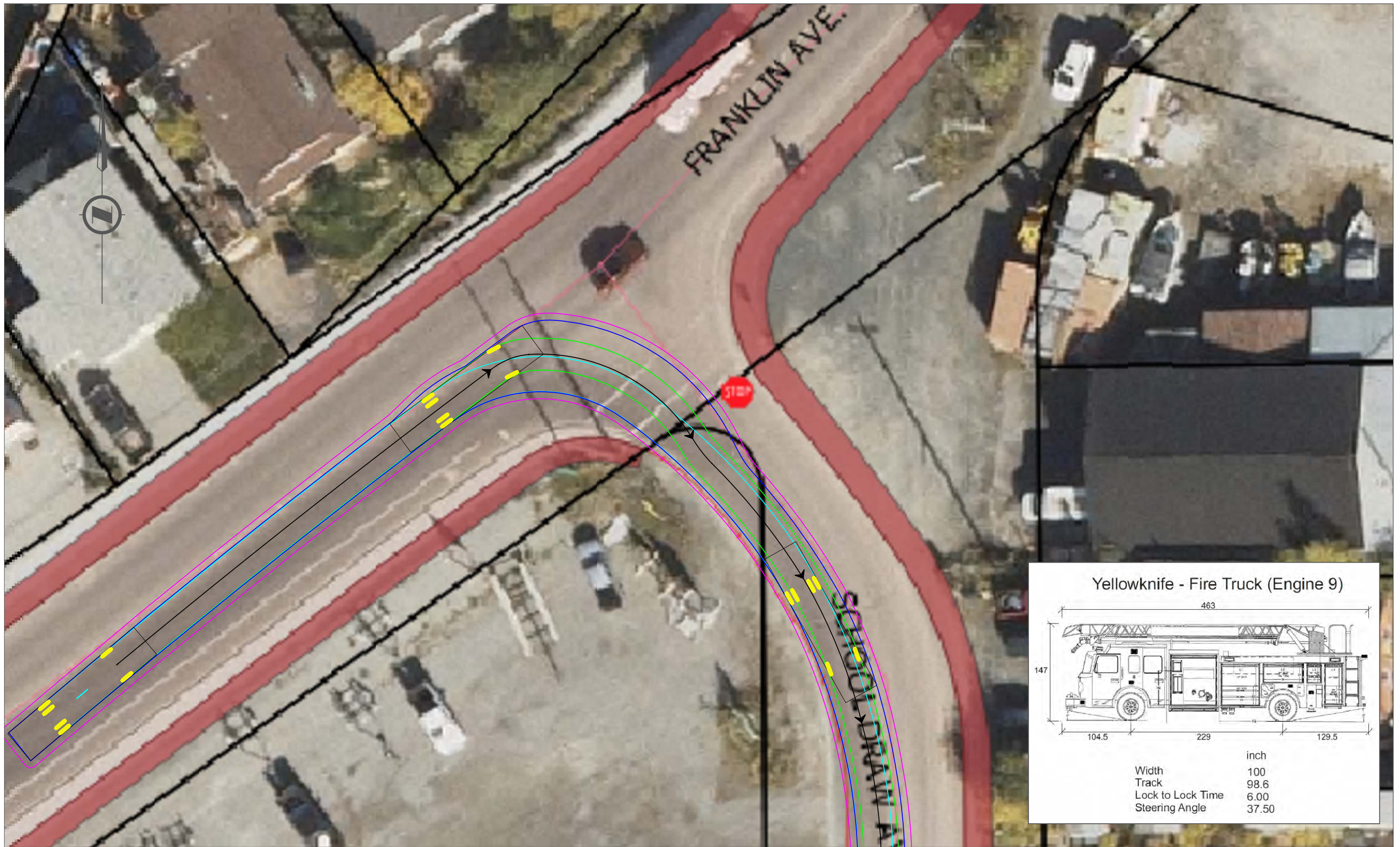
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No.:	6
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Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					<p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>		NTS		7
Rear Tires —						Designed: J.V.			
Vehicle Body —							Drawn: R.C.	CTS Project Number: 7288	
0.5m Body Clearance —							Reviewed: J.V.	Date: 19 JANUARY 2021	Revision No.: 0
Conflict 									
FIRE TRUCK ENGINE 9 SWEPT PATH – AREA 2									
OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW									



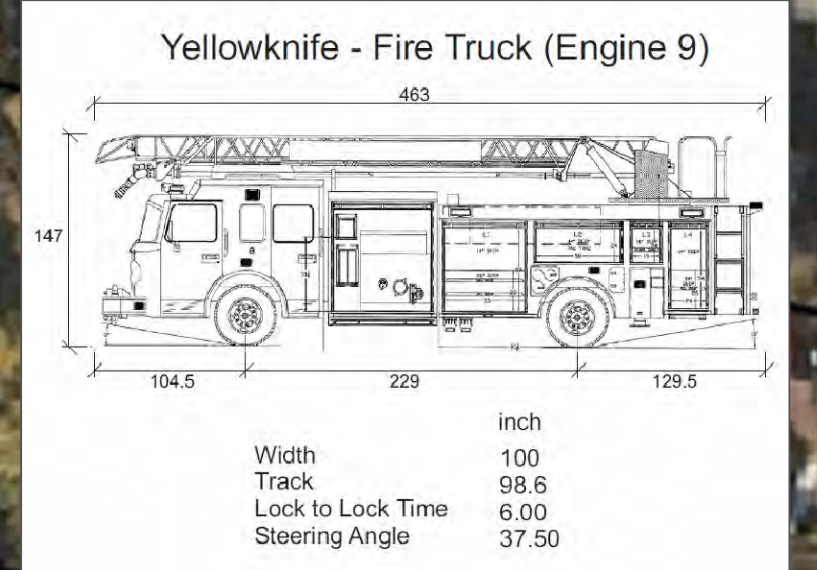
LEGEND	REVISIONS	DESCRIPTION	DATE	BY
Front Tires				
Rear Tires				
Vehicle Body				
0.5m Body Clearance				
Conflict				

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	8
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0



REVISIONS	DESCRIPTION	DATE	BY

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

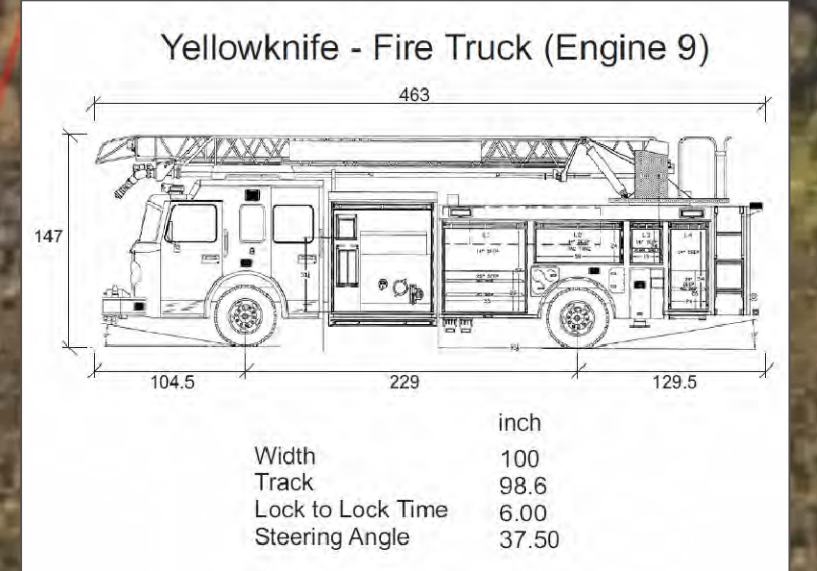
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**FIRE TRUCK ENGINE 9
SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Scale:	NTS	Project Number:		Drawing No.:	9
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Drawn:	R.C.	CTS Project Number:	7288			Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021			Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0



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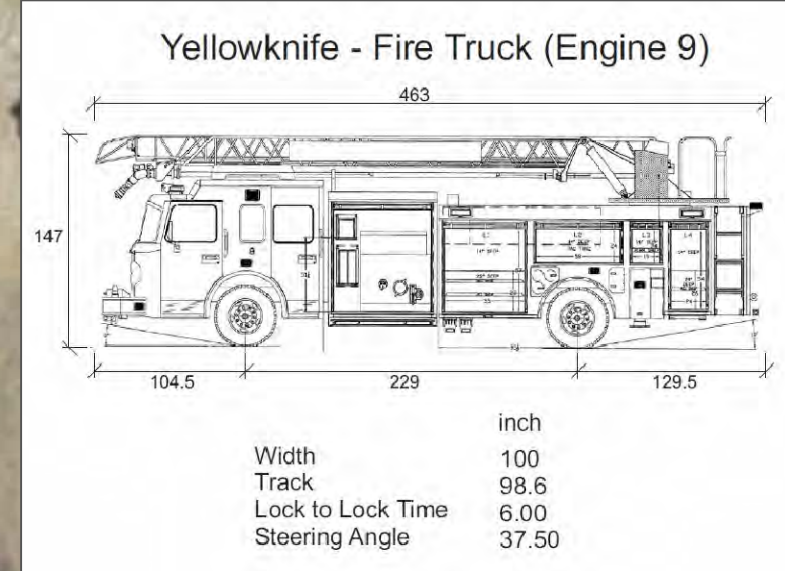
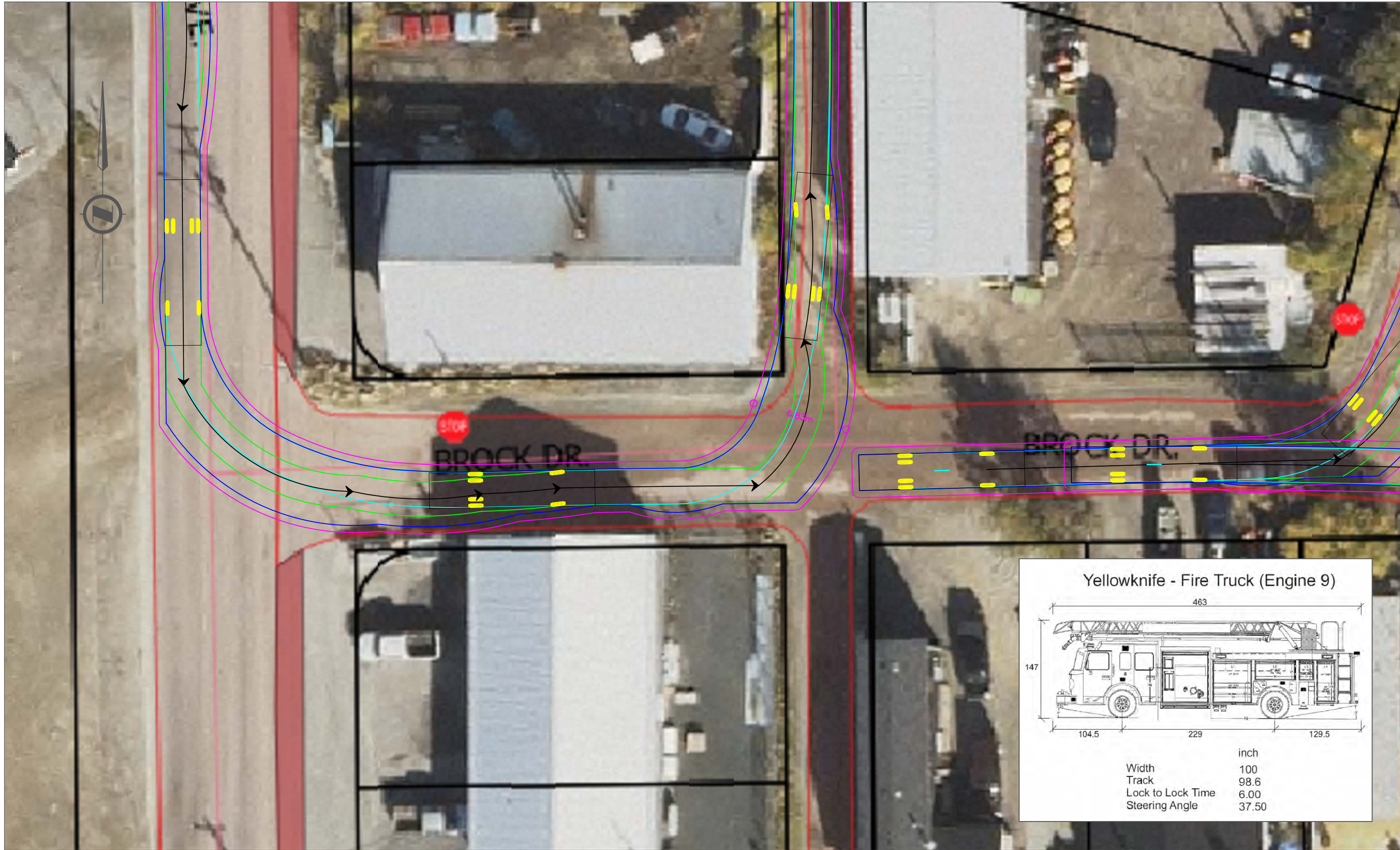
**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	10
Designed:	J.V.	Drawing Number:					
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	19 JANUARY 2021			Revision No.:	0

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

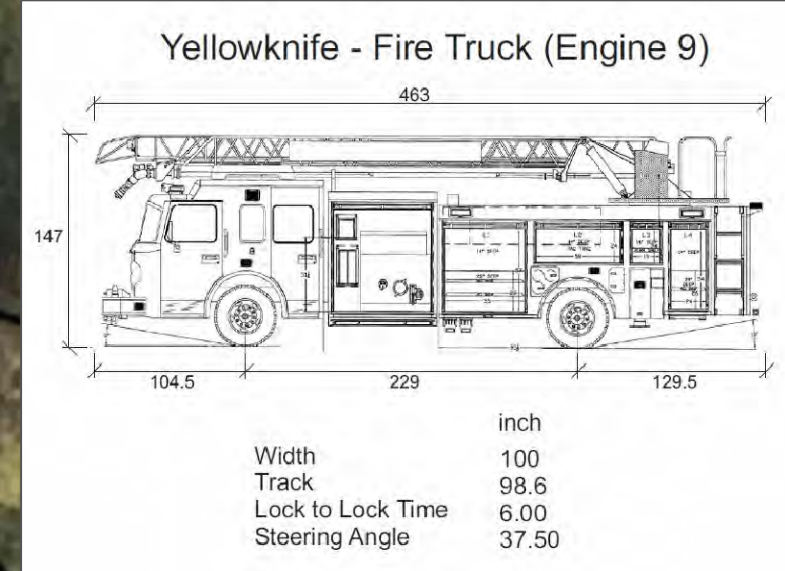
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	11
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.:	0



REVISIONS	DESCRIPTION	DATE	BY

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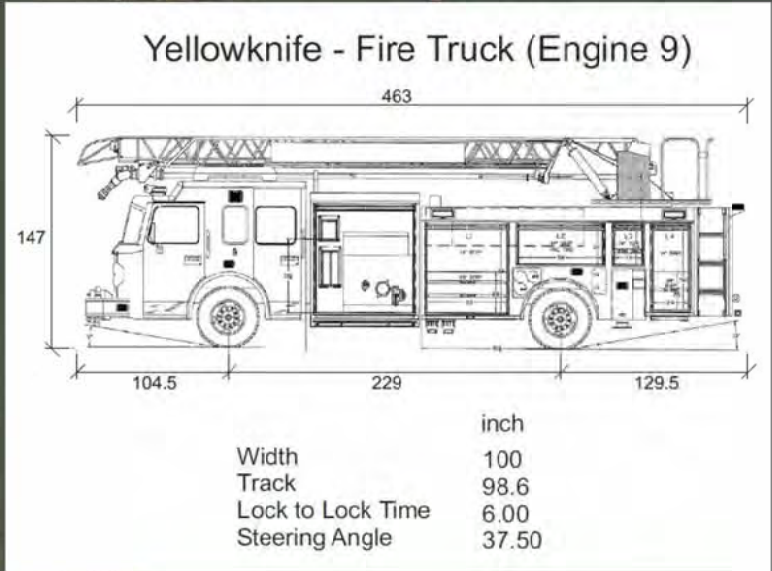
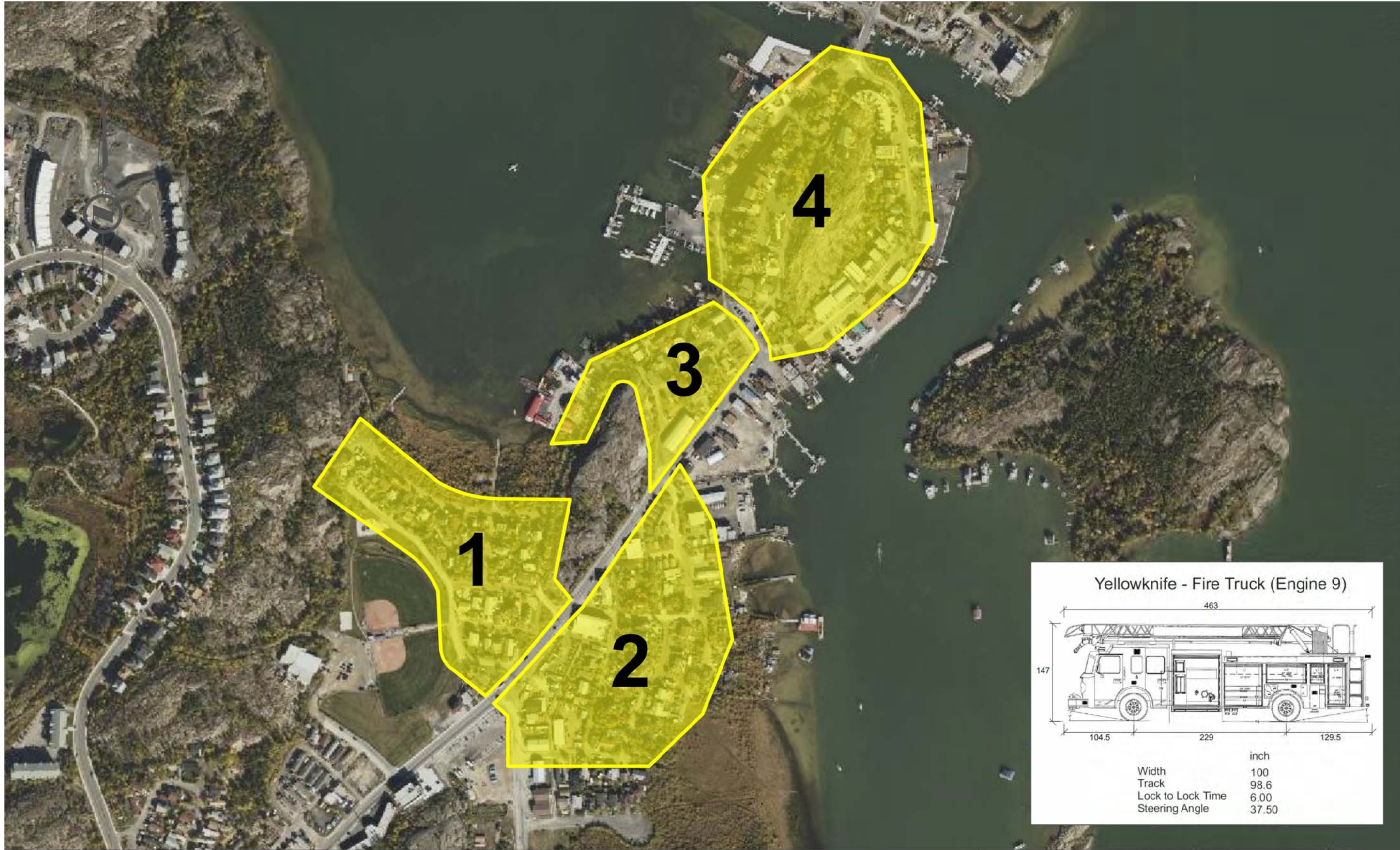
**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

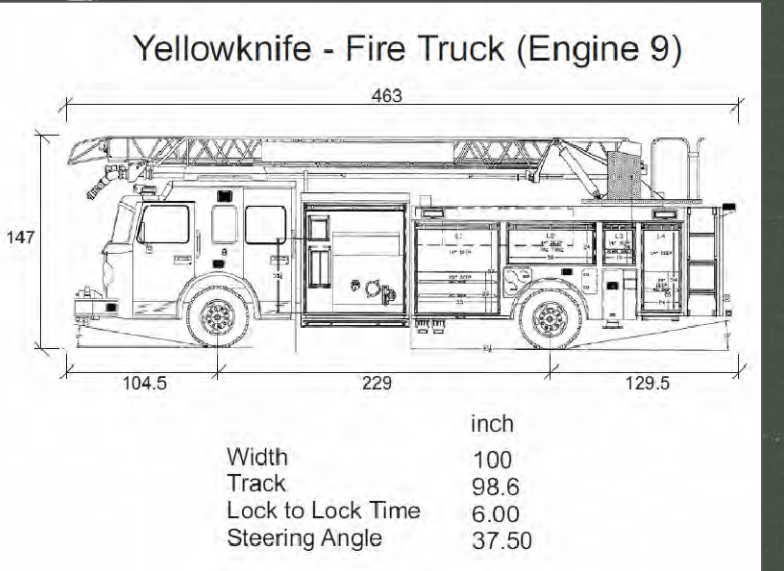
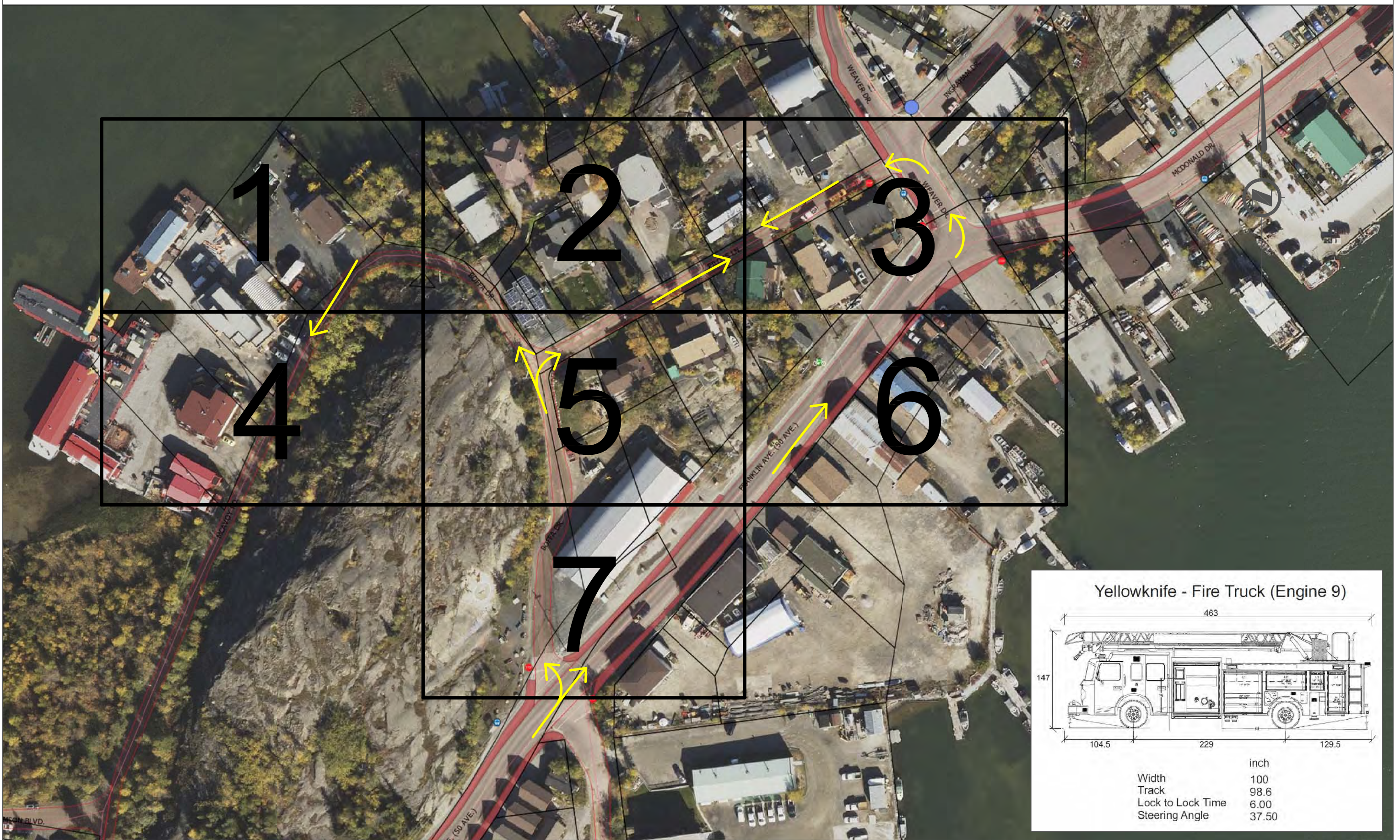
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Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	19 JANUARY 2021	Revision No.: 0

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict



LEGEND	REVISIONS	DESCRIPTION	DATE	BY	Stamp	Scale:	Project Number:	Drawing No.:
Front Tires —					<p>CTS Traffic Engineering Specialists</p> <p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-938-6190</p>	NTS		0
Rear Tires —						J.V.		
Vehicle Body —						R.C.	7288	
0.5m Body Clearance —						J.V.	8 MAR 2021	
Conflict —								0
<p>FIRE TRUCK ENGINE 9 SWEPT PATH – OVERALL AREA</p> <p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>								



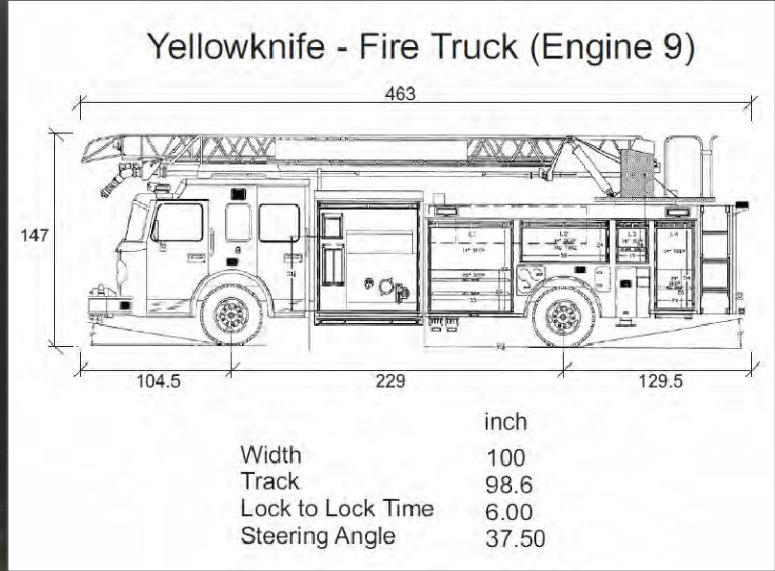
LEGEND	REVISIONS	DESCRIPTION	DATE	BY
Front Tires				
Rear Tires				
Vehicle Body				
0.5m Body Clearance				
Conflict				

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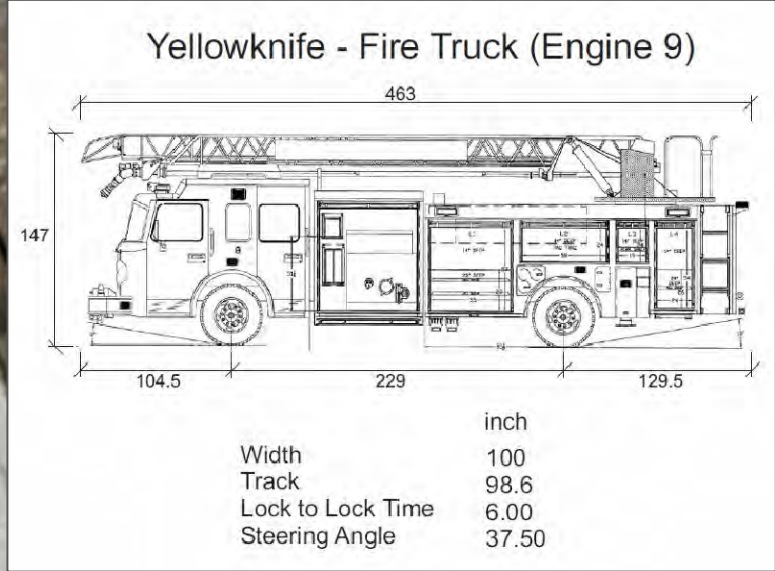
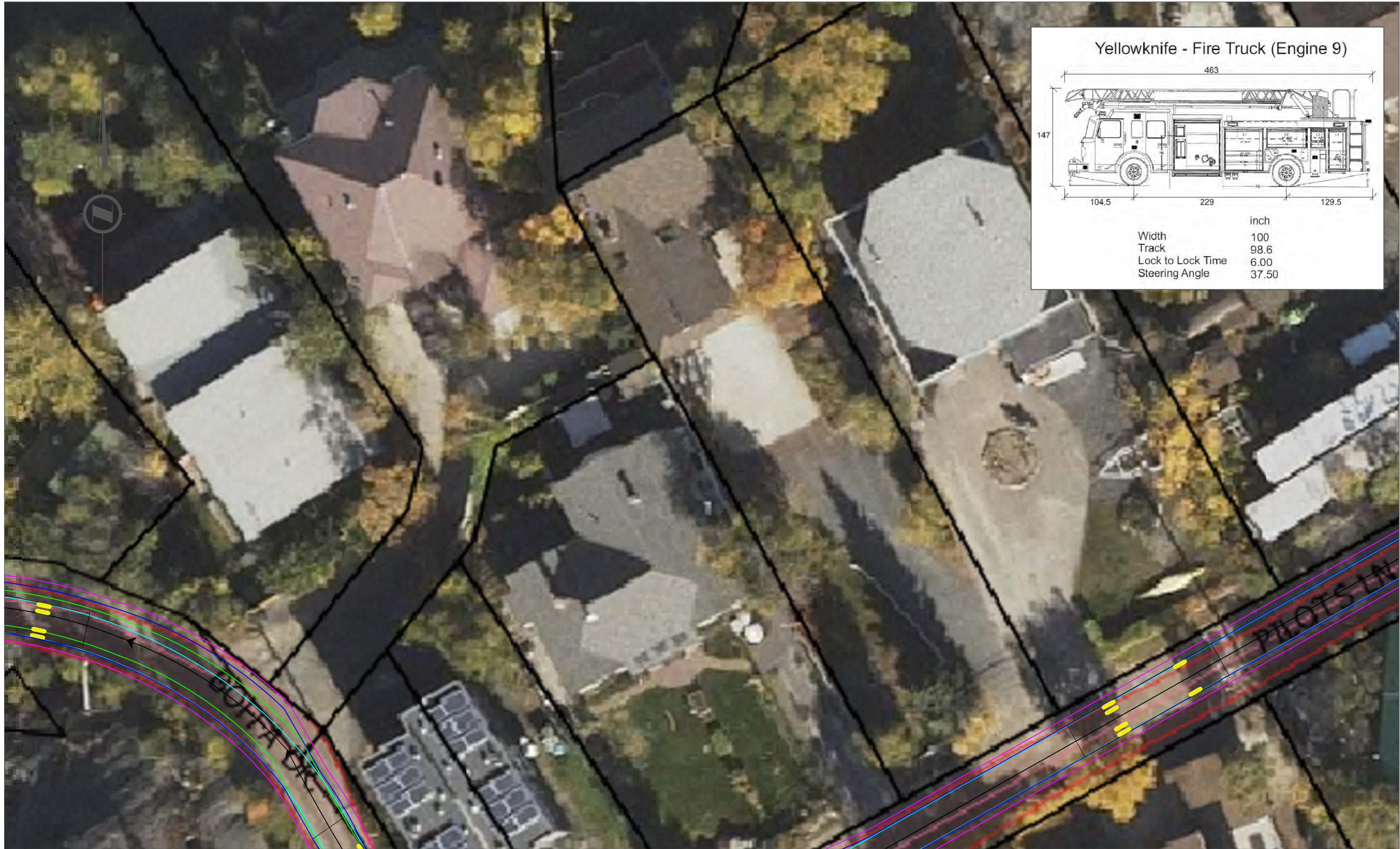
FIRE TRUCK ENGINE 9
 SWEEP PATH – INDEX (AREA 3)

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

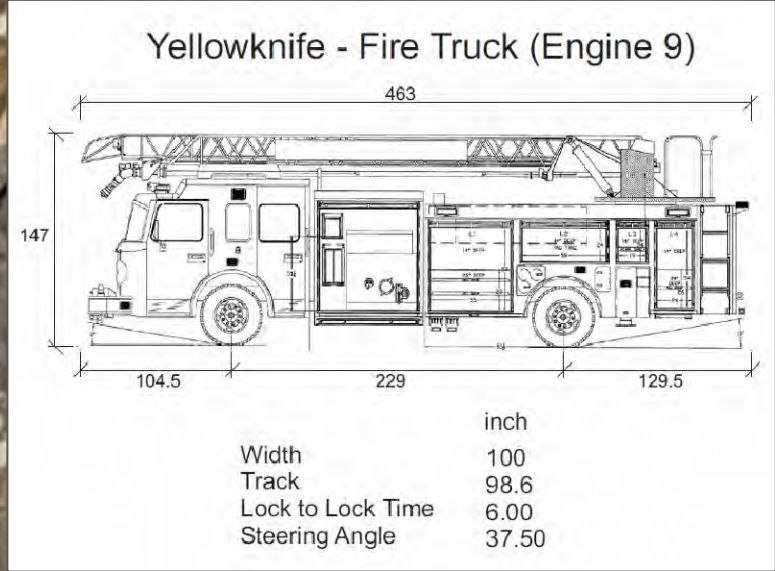
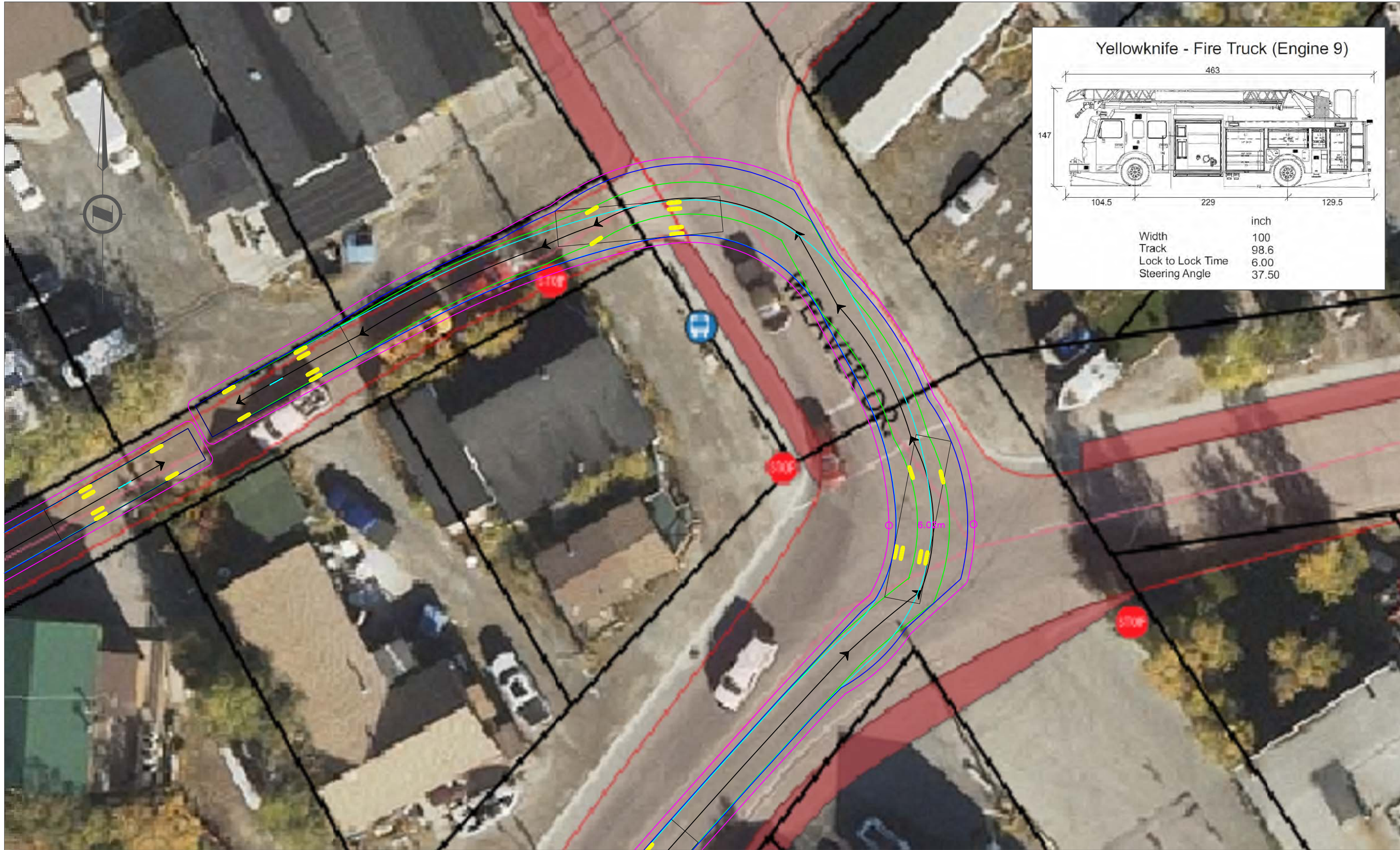
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Drawn:	R.C.	CTS Project Number:	7288	Reviewed:	J.V.	Date:	8 MAR 2021				



<p>LEGEND</p> <p>Front Tires —</p> <p>Rear Tires —</p> <p>Vehicle Body —</p> <p>0.5m Body Clearance —</p> <p>Conflict </p>	REVISIONS	DESCRIPTION	DATE	BY	<p style="font-size: small; margin: 0;">101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>	<p>FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 3</p>	Stamp:	Scale: NTS	Project Number:	Drawing No:	
							<p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>		Designed: J.V.	Drawing Number:	1
									Drawn: R.C.	CTS Project Number: 7288	
									Reviewed: J.V.	Date: 8 MAR 2021	Revision No: 0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					<p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>		NTS		2
Rear Tires —						Designed: J.V.	Drawing Number:		
Vehicle Body —						Drawn: R.C.	CTS Project Number: 7288		
0.5m Body Clearance —						Reviewed: J.V.	Date: 8 MAR 2021	Revision No.: 0	
Conflict 									
<p>FIRE TRUCK ENGINE 9 SWEEP PATH - AREA 3</p> <p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>									



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

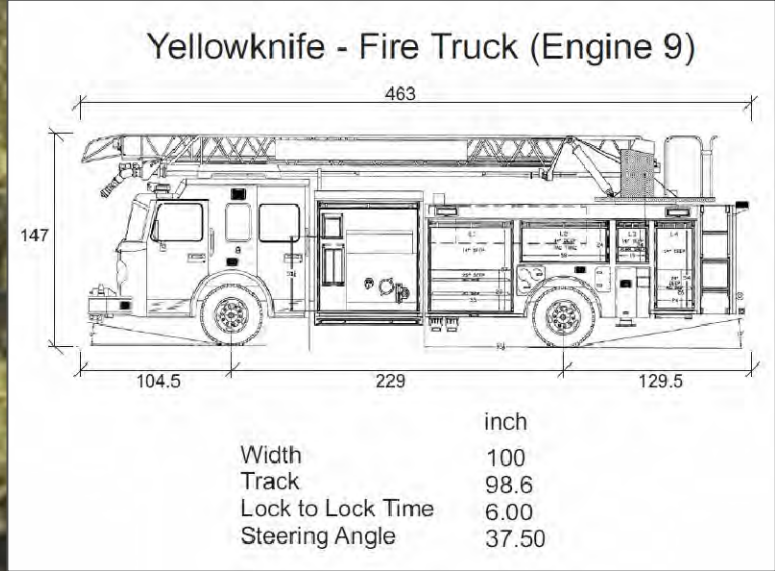
REVISIONS	DESCRIPTION	DATE	BY

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 Tel: 604-936-6190

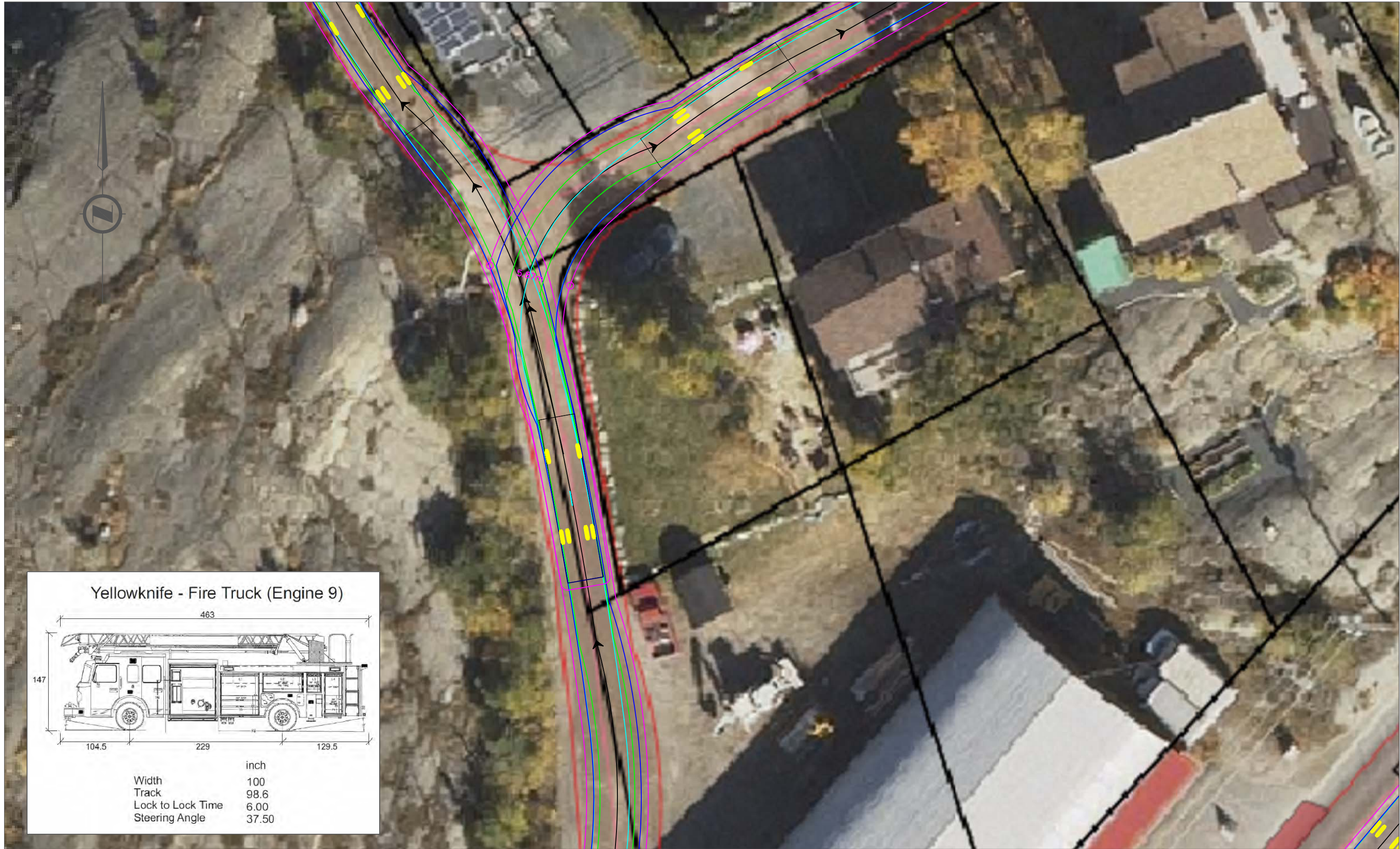
**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 3**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

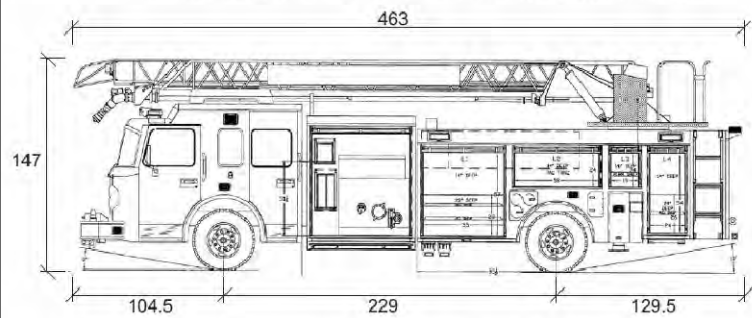
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Designed:	J.V.	Drawing Number:		3	
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					<p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>		NTS		4
Rear Tires —									
Vehicle Body —									
0.5m Body Clearance —									
Conflict 									
					FIRE TRUCK ENGINE 9 SWEPT PATH – AREA 3				
					OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW				
							Designed: J.V.	Drawing Number:	
							Drawn: R.C.	CTS Project Number: 7288	
							Reviewed: J.V.	Date: 8 MAR 2021	Revision No.: 0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

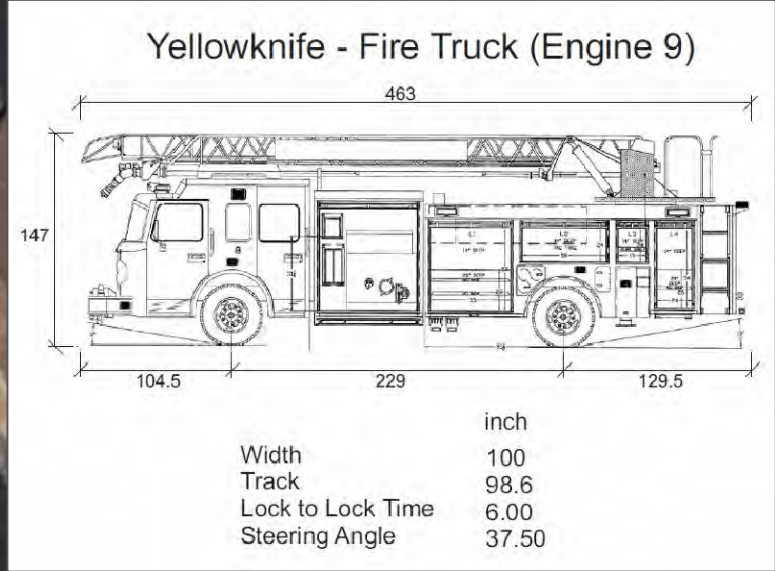
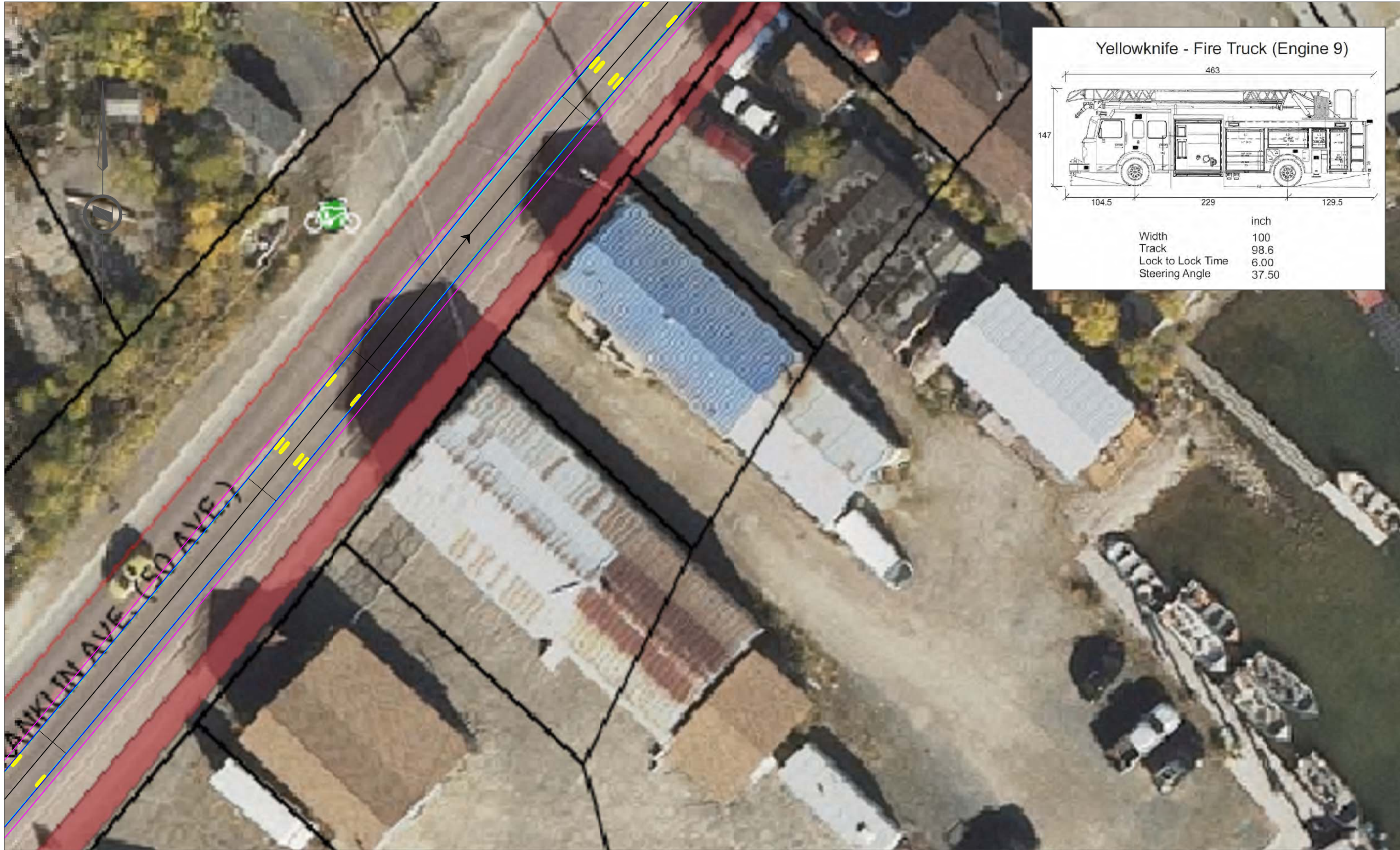
REVISIONS	DESCRIPTION	DATE	BY

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 Port Coquitlam, BC, Canada, V3C 6C2
 Tel: 604-936-6190

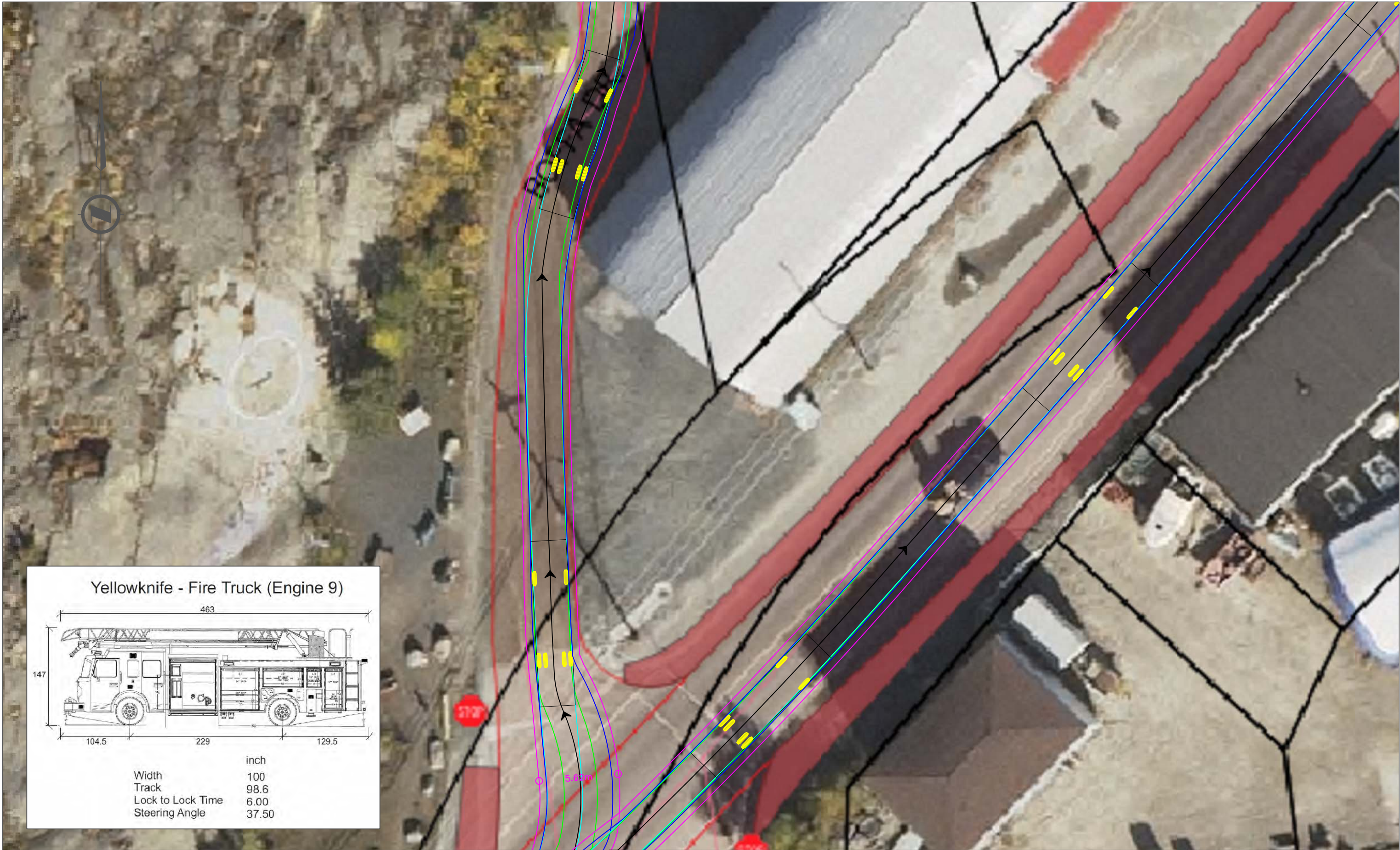
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 3

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

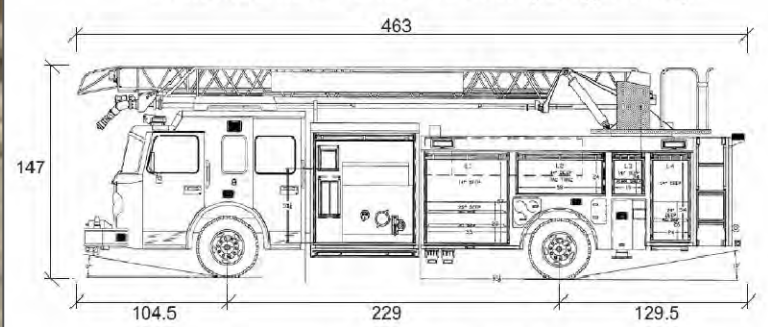
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Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



LEGEND Front Tires — Rear Tires — Vehicle Body — 0.5m Body Clearance — Conflict 	REVISIONS	DESCRIPTION	DATE	BY	 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 3	Stamp:	Scale: NTS	Project Number:	6
								Designed: J.V.	Drawing Number:	
						OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW				



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

Front Tires	
Rear Tires	
Vehicle Body	
0.5m Body Clearance	
Conflict	

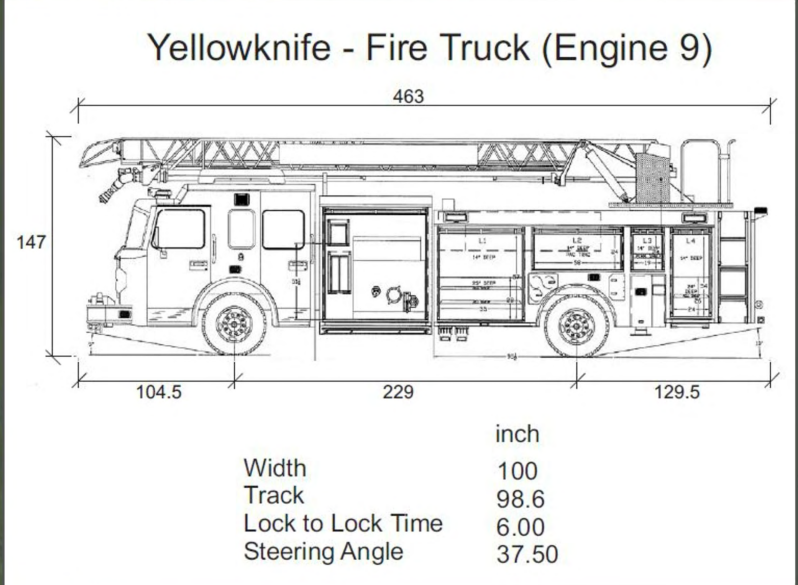
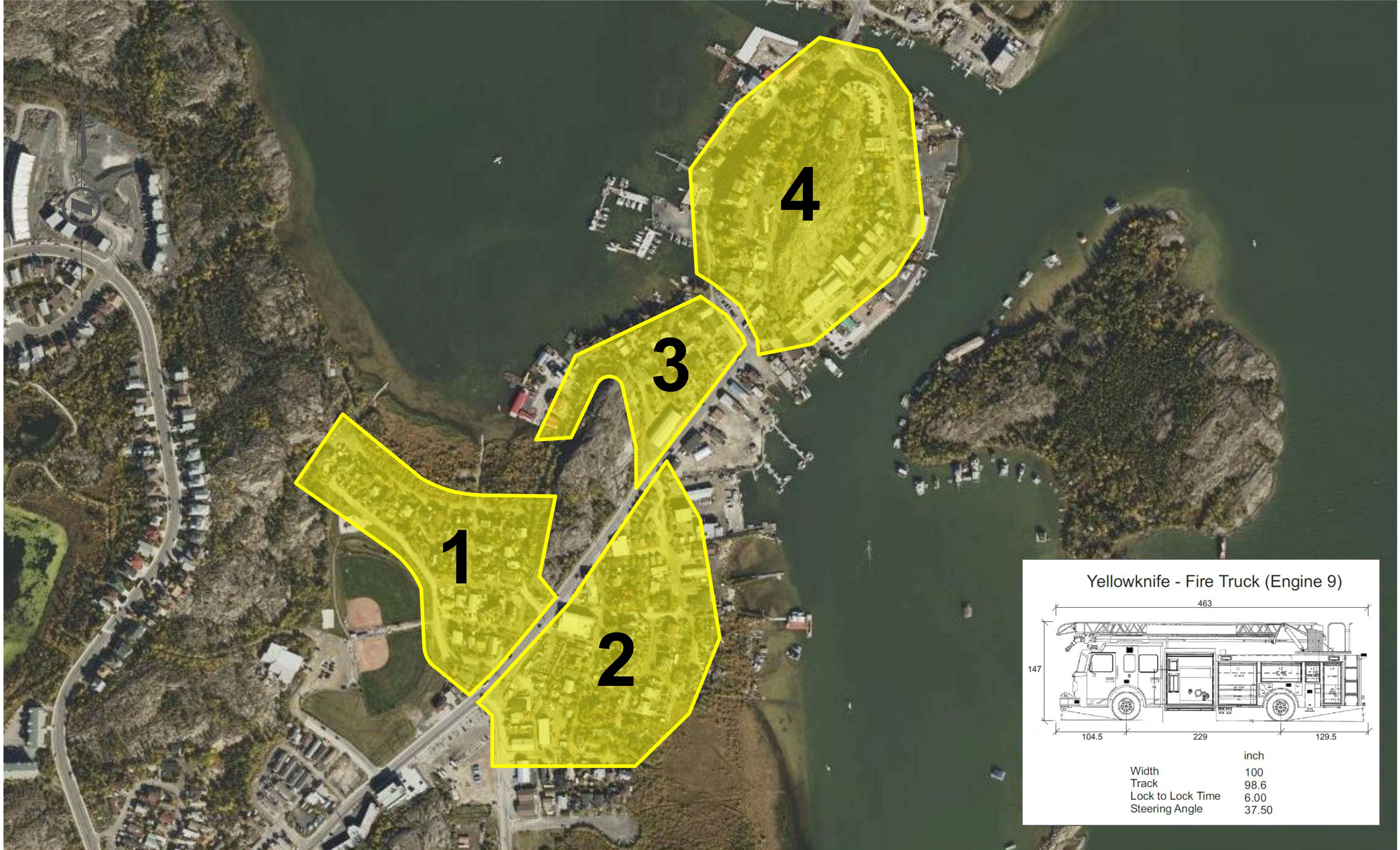
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 3

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	7
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	8 MAR 2021	Revision No.:	0



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

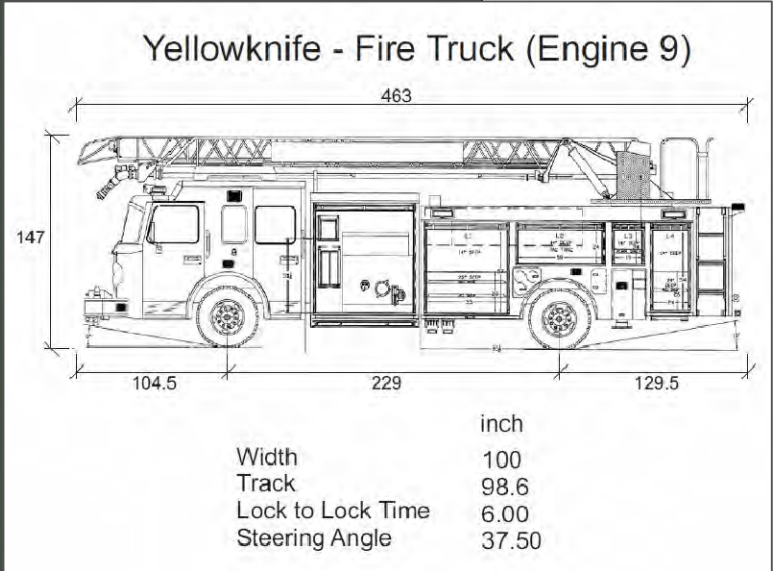
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – OVERALL AREA**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:	
Designed:	J.V.	Drawing Number:	A
Drawn:	R.C.	CTS Project Number:	
Reviewed:	J.V.	Date:	4 NOV 2020
		Revision No.:	0



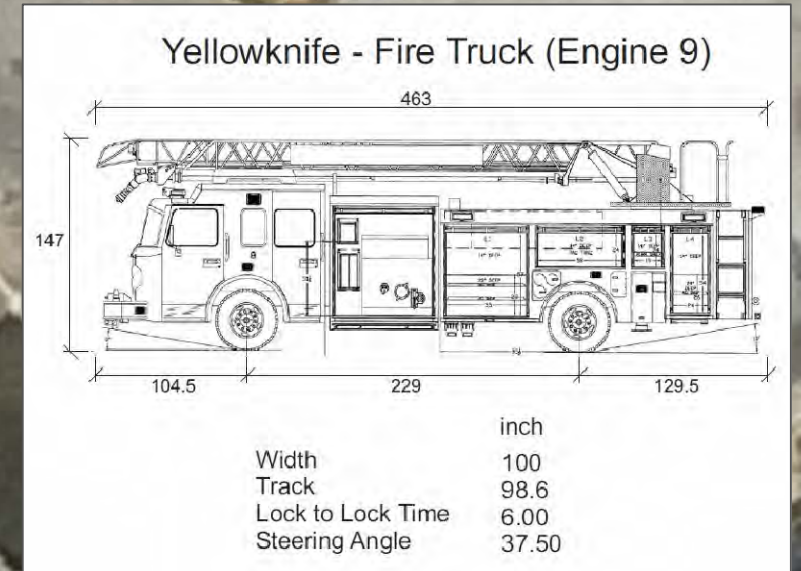
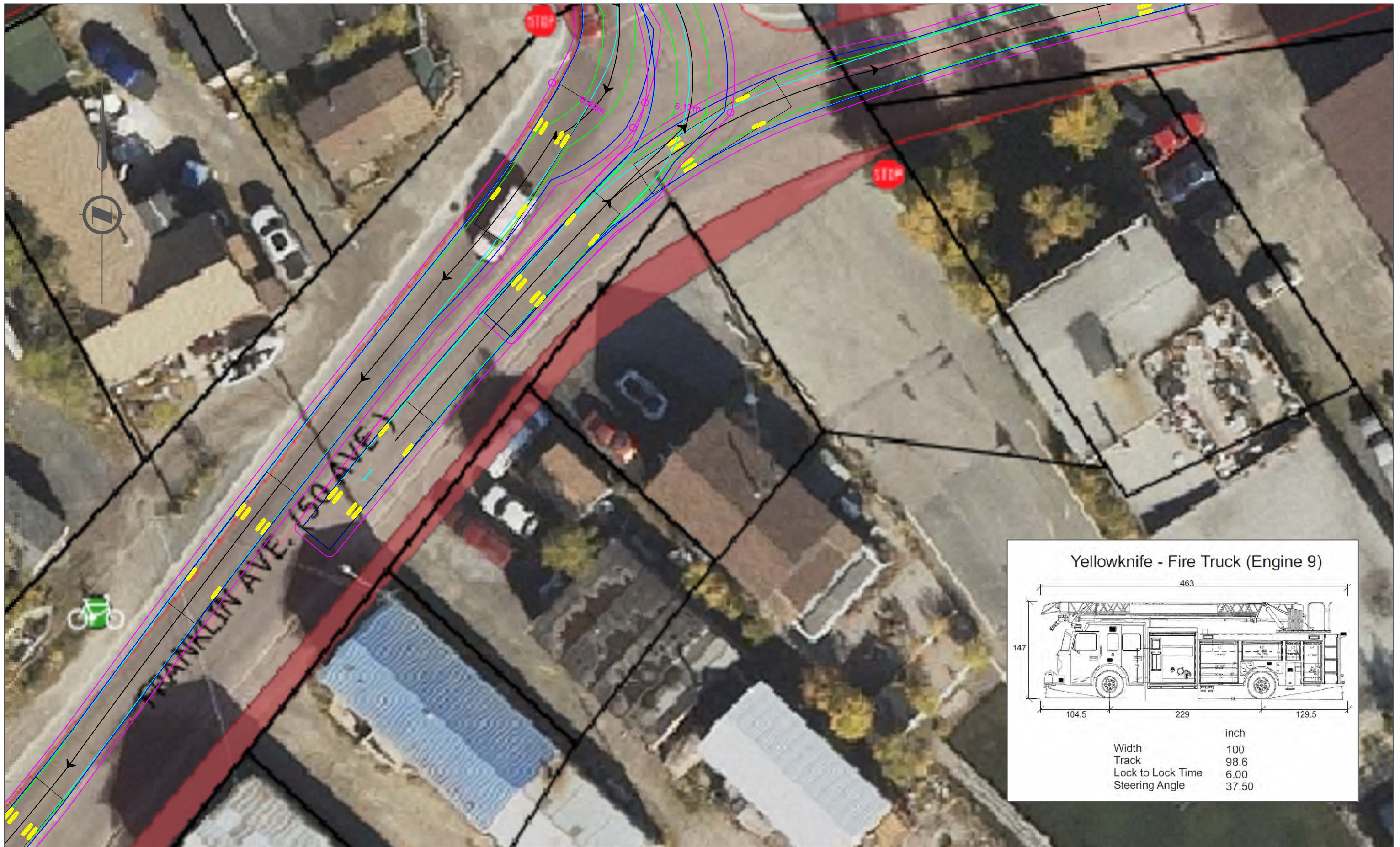
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				<p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>	NTS		0
					J.V.		
					R.C.	7288	
					J.V.	4 NOV 2020	0

LEGEND

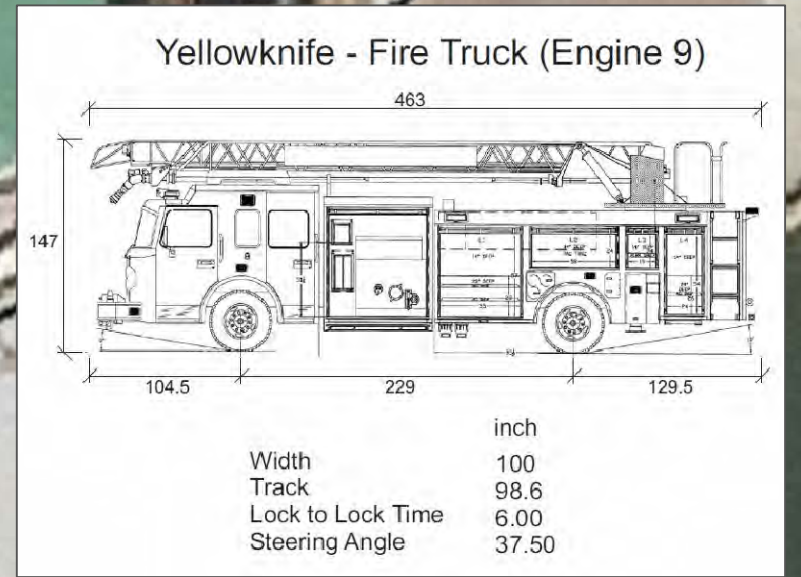
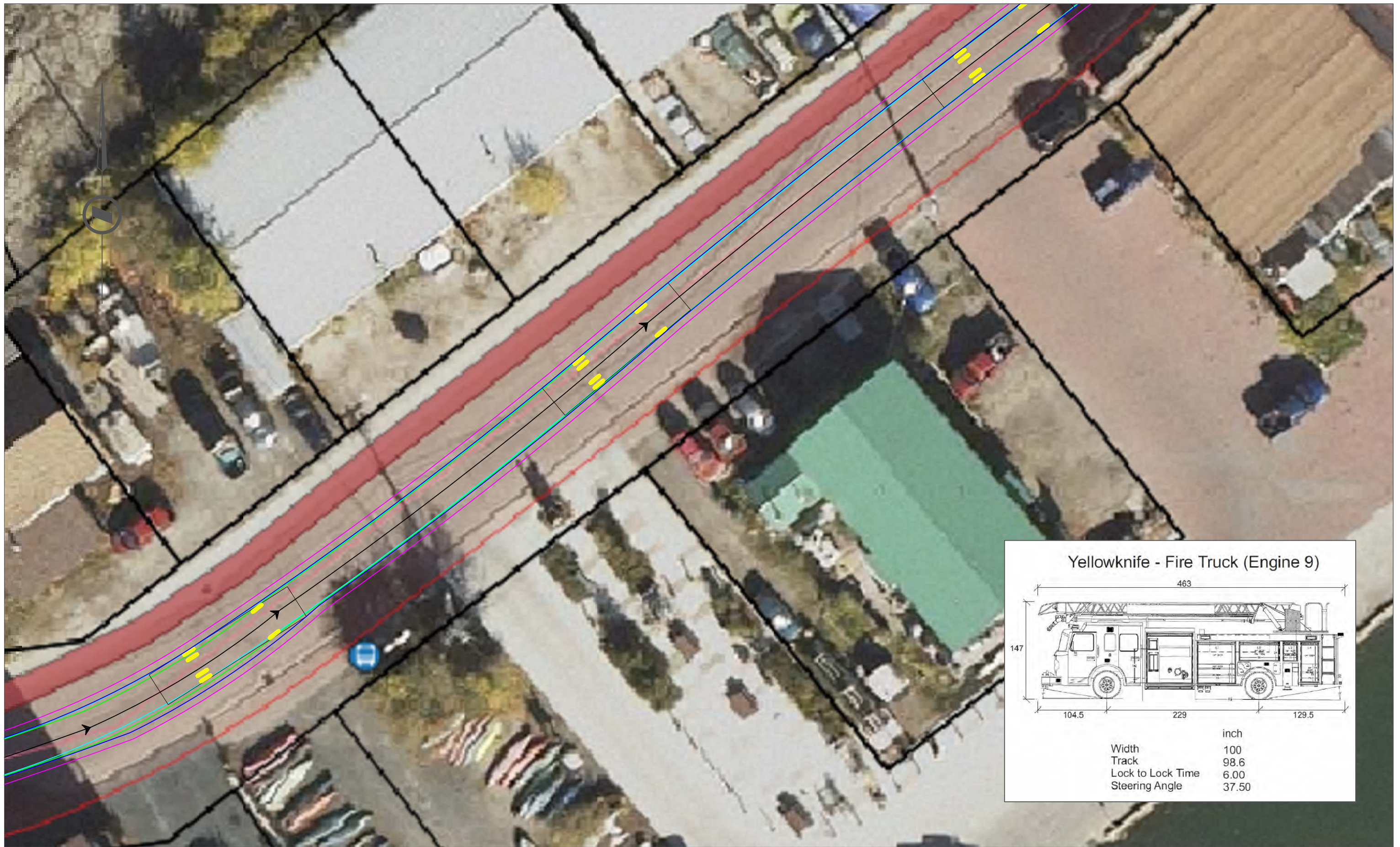
- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

**FIRE TRUCK ENGINE 9
SWEEP PATH – INDEX (AREA 4)**

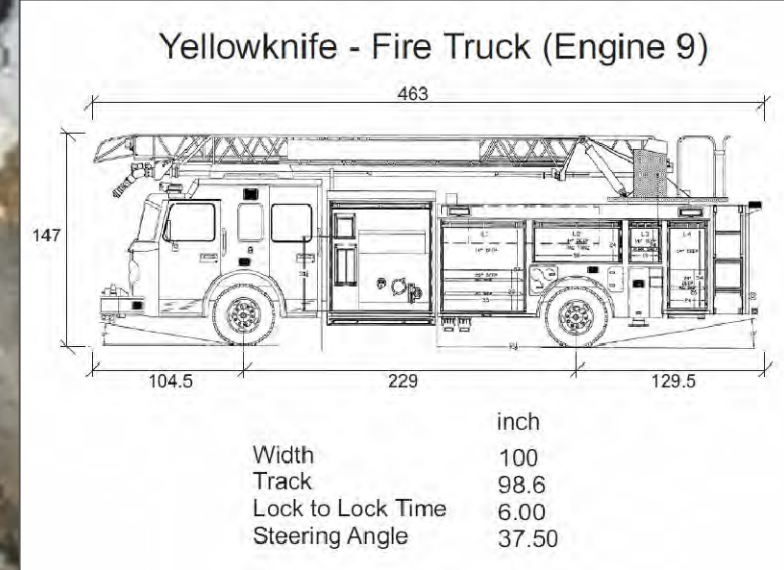
**OLD TOWN ROAD NETWORK EMERGENCY
VEHICLE ACCESS & CIRCULATION REVIEW**



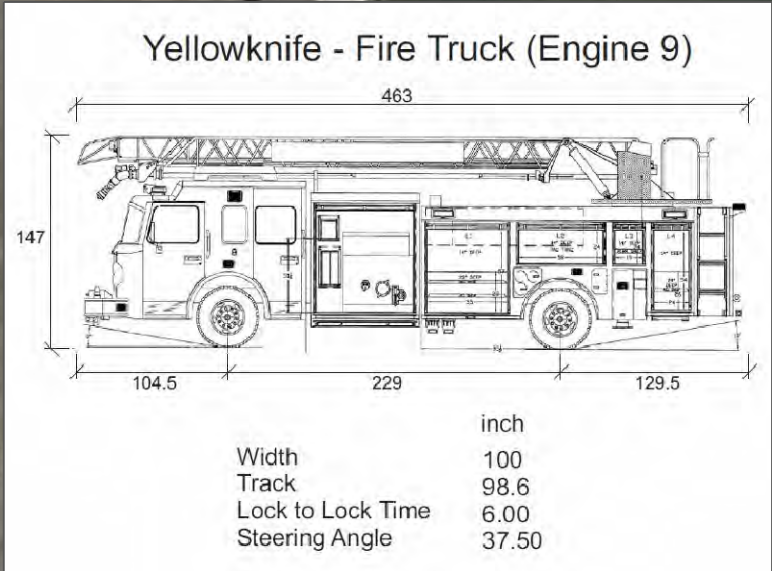
<p>LEGEND</p> <p>Front Tires —</p> <p>Rear Tires —</p> <p>Vehicle Body —</p> <p>0.5m Body Clearance —</p> <p>Conflict </p>	REVISIONS	DESCRIPTION	DATE	BY	<p>CLS Traffic Engineering Specialists</p> <p>101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>	<p>FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 4</p>	Stamp:	Scale: NTS	Project Number:	Drawing No:
							<p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>		Designed: J.V.	Drawing Number:
								Drawn: R.C.	CTS Project Number: 7288	
								Reviewed: J.V.	Date: 4 NOV 2020	Revision No: 0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					<p>CTS Traffic Engineering Specialists 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190</p>	<p>FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 4</p> <p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>	NTS		2
Rear Tires —				J.V.					
Vehicle Body —				R.C.			CTS Project Number: 7288		
0.5m Body Clearance —				J.V.			Date: 4 NOV 2020		
Conflict 							Revision No.: 0		



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					CTS Traffic Engineering Specialists 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 4	NTS		3
Rear Tires —				Designed: J.V.			Drawing Number:		
Vehicle Body —				Drawn: R.C.			CTS Project Number: 7288		
0.5m Body Clearance —				Reviewed: J.V.			Date: 4 NOV 2020	Revision No.: 0	
Conflict 									
					OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW				



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

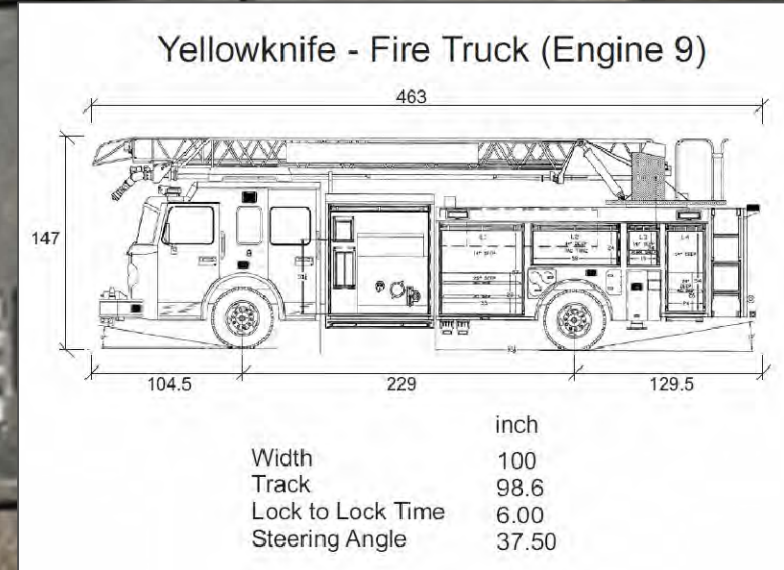
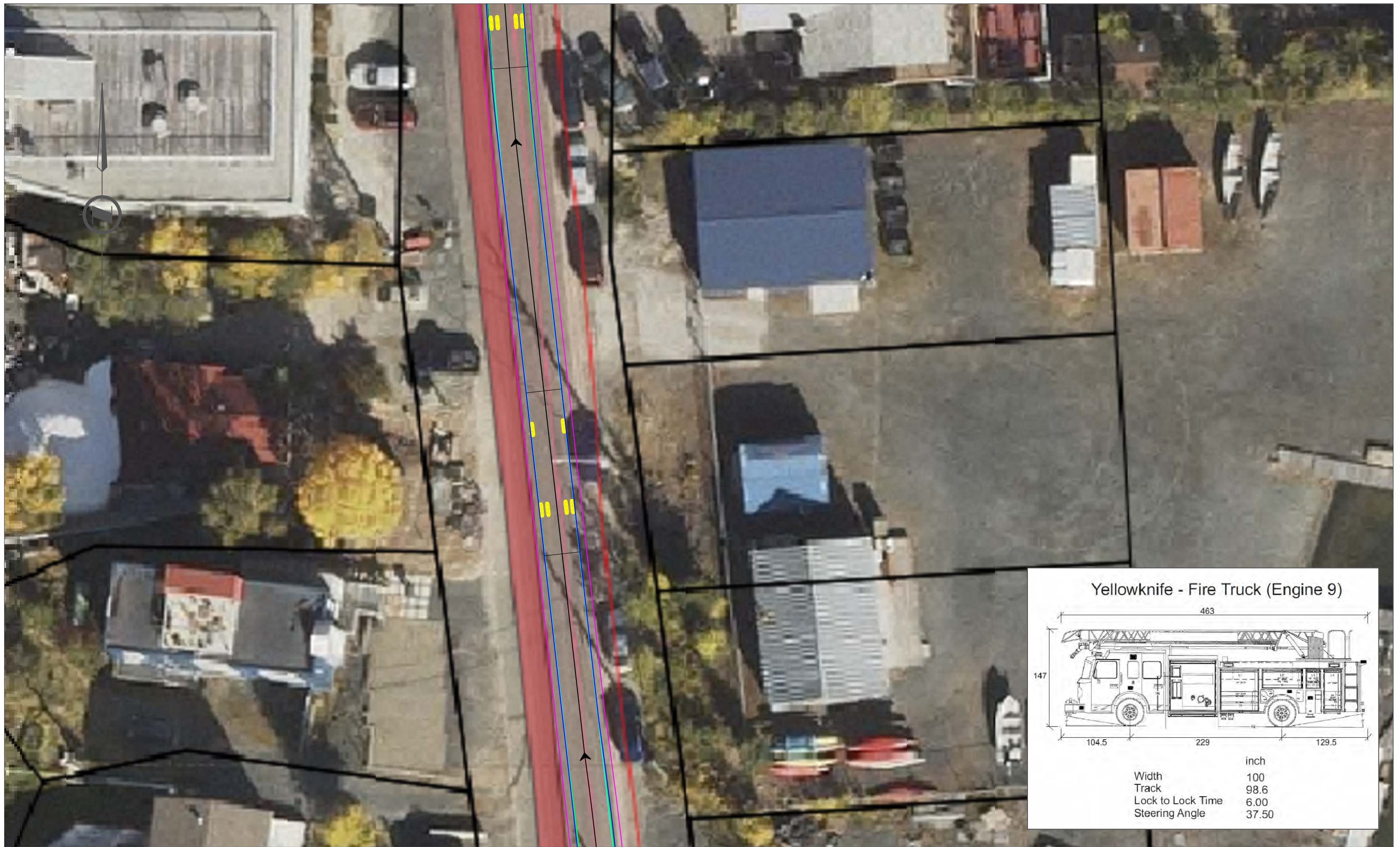
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	
Designed:	J.V.	Drawing Number:		4	
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



LEGEND

Front Tires	—
Rear Tires	—
Vehicle Body	—
0.5m Body Clearance	—
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

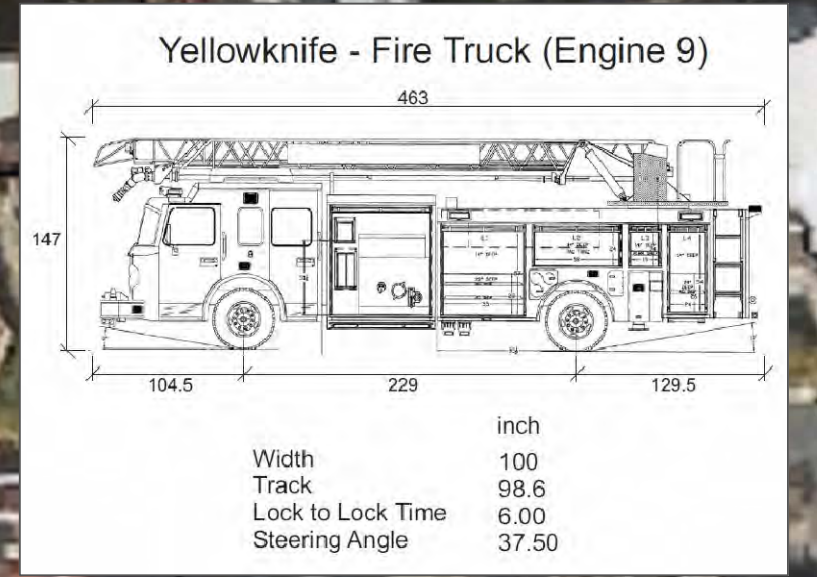
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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:			
Designed:	J.V.	Drawing Number:			5
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



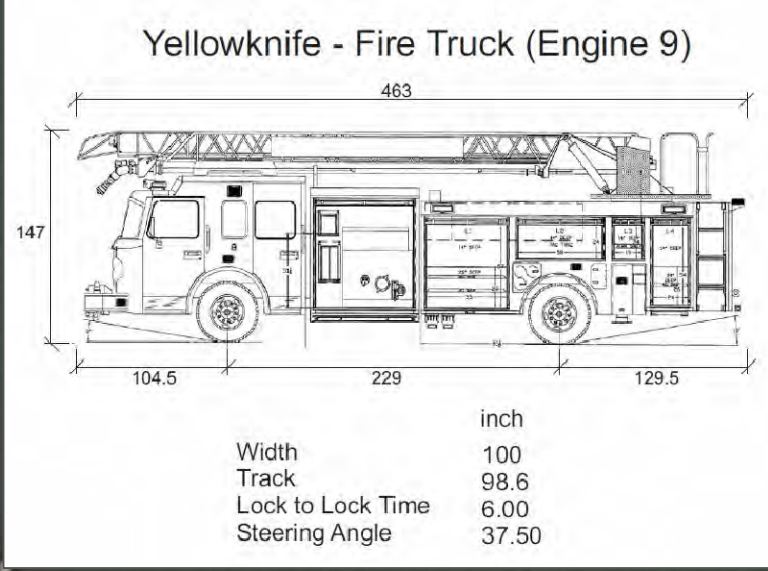
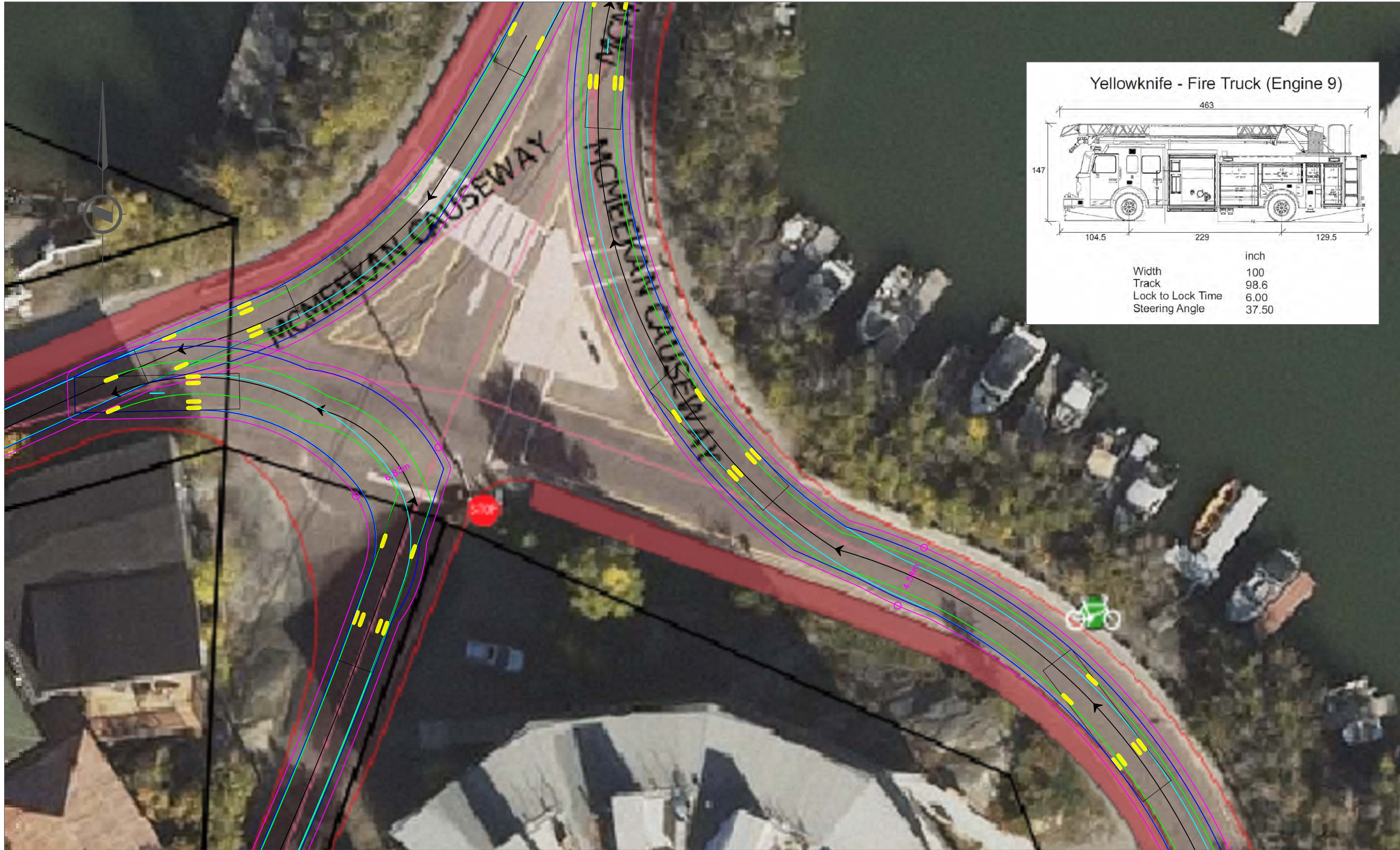
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
Front Tires	—				
Rear Tires	—				
Vehicle Body	—				
0.5m Body Clearance					
Conflict					

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No: 6
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.: 0



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

REVISIONS	DESCRIPTION	DATE	BY

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 Tel: 604-936-6190

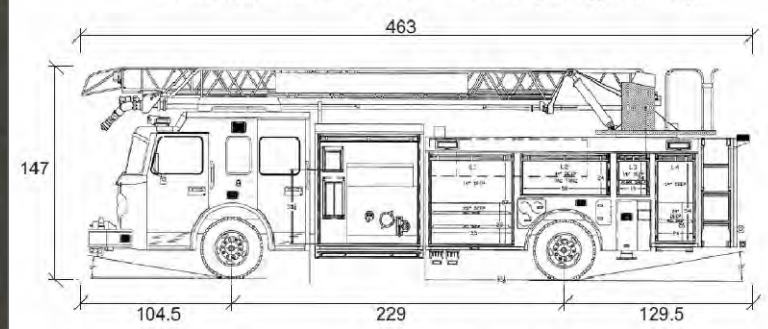
**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	7
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288	Revision No:	0
Reviewed:	J.V.	Date:	4 NOV 2020		



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

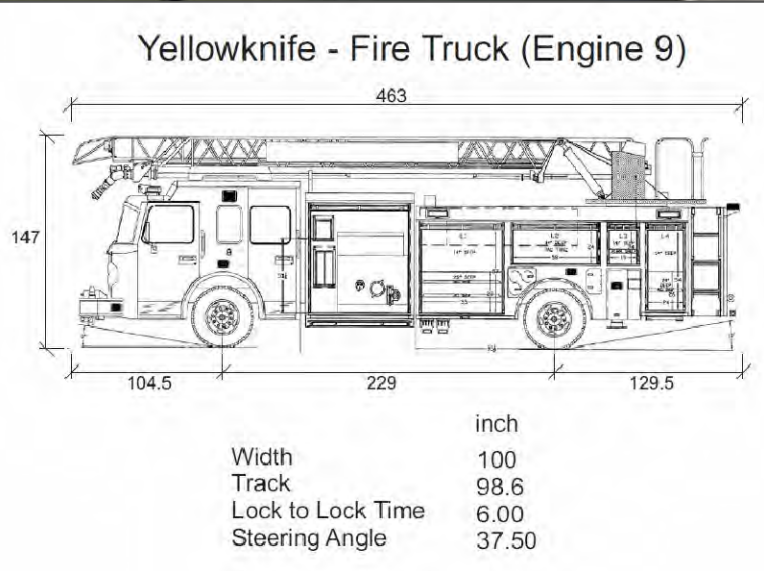
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	8
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No:	0



LEGEND		REVISIONS	DESCRIPTION	DATE	BY
Front Tires					
Rear Tires					
Vehicle Body					
0.5m Body Clearance					
Conflict					

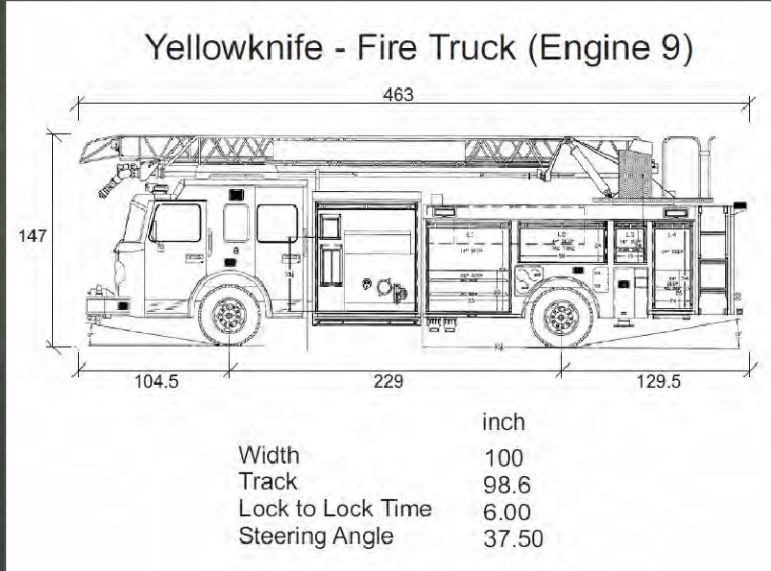
CTS Traffic Engineering Specialists
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 Tel: 604-936-6190

**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	9
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Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0

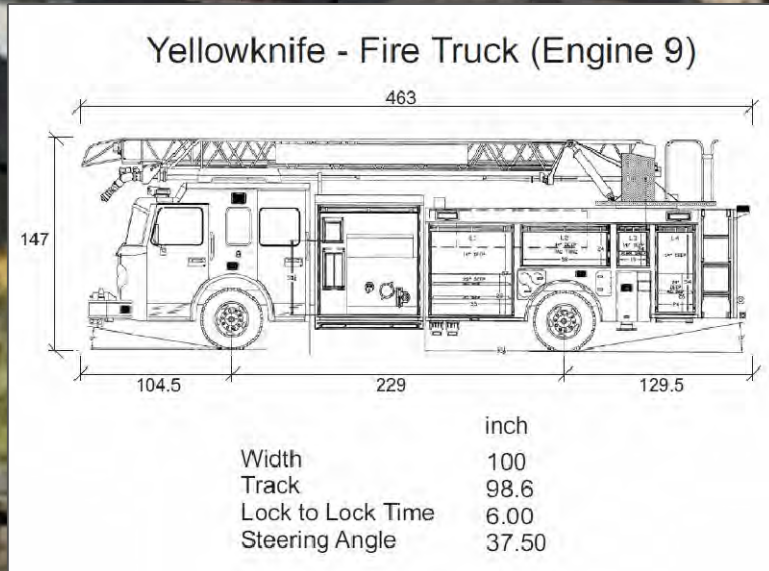


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Front Tires						NTS		10
Rear Tires						J.V.		
Vehicle Body						R.C.	7288	
0.5m Body Clearance						J.V.	4 NOV 2020	Revision No.:
Conflict								0

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FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW



LEGEND

Front Tires	—
Rear Tires	—
Vehicle Body	—
0.5m Body Clearance	—
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

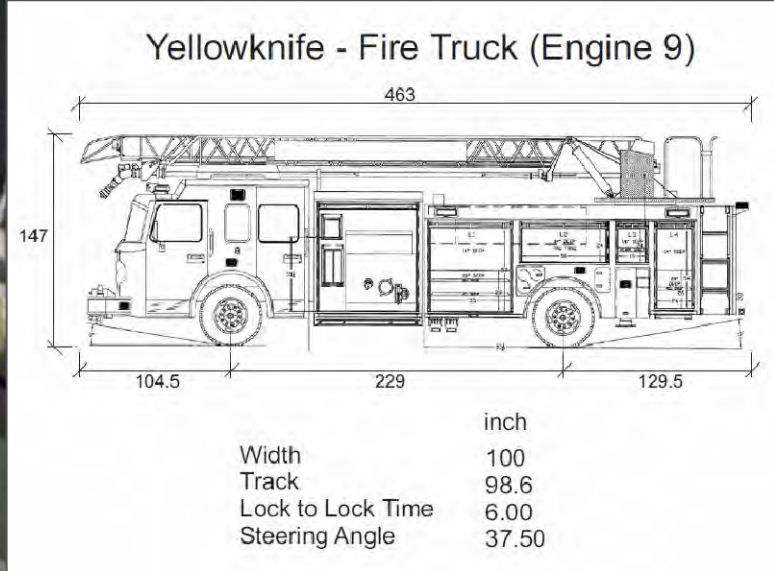
CTS Traffic Engineering Specialists
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 Tel: 604-936-6190

**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	11
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No:	0



LEGEND

Front Tires	—
Rear Tires	—
Vehicle Body	—
0.5m Body Clearance	—
Conflict	- - -

REVISIONS	DESCRIPTION	DATE	BY

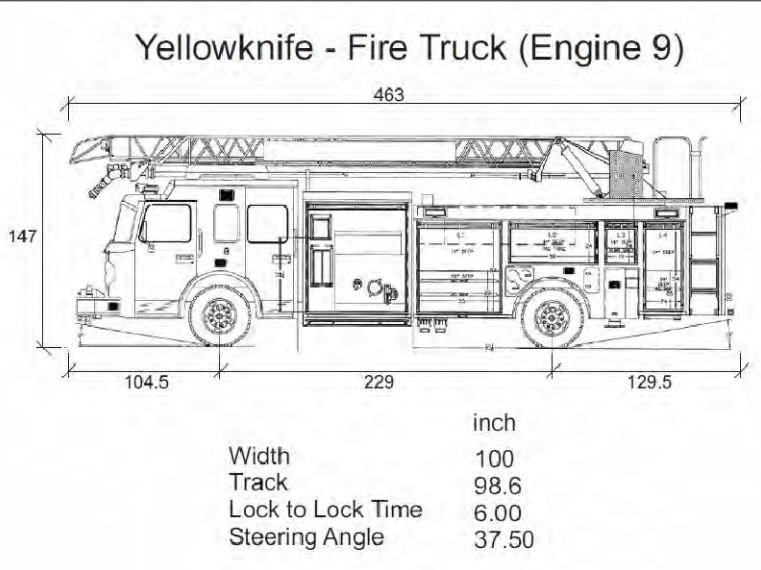
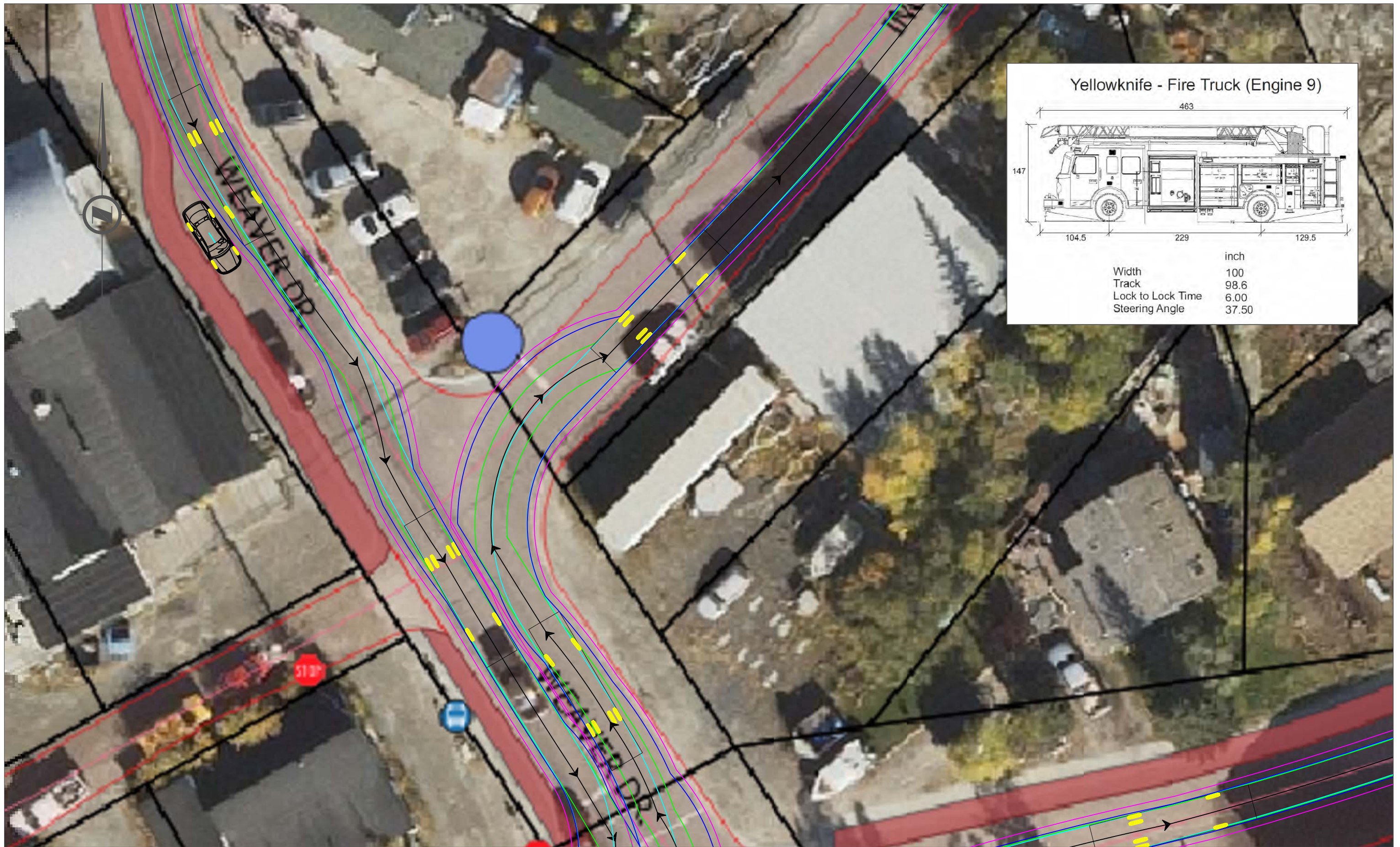
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 Tel: 604-936-6190

**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No: 12
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.: 0



LEGEND

- Front Tires —
- Rear Tires —
- Vehicle Body —
- 0.5m Body Clearance —
- Conflict

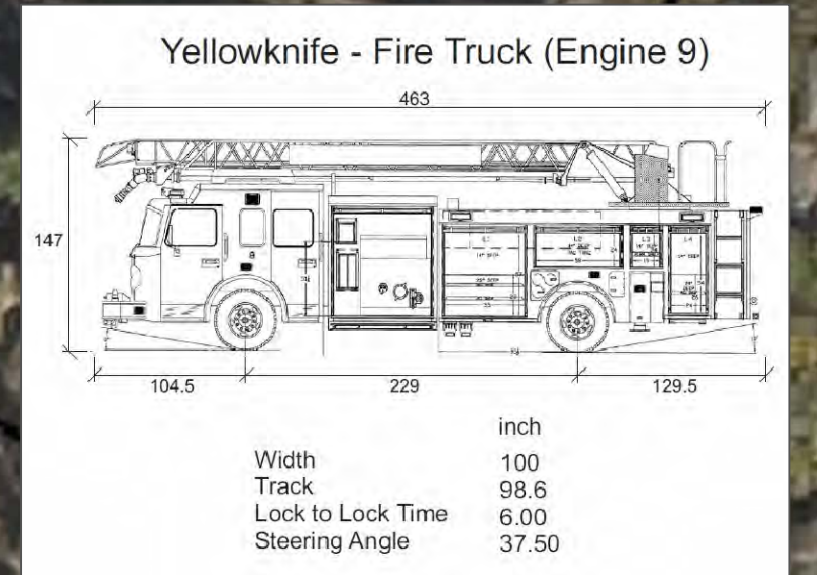
REVISIONS	DESCRIPTION	DATE	BY

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 Port Coquitlam, BC, Canada, V3C 6C2
 Tel: 604-936-6190

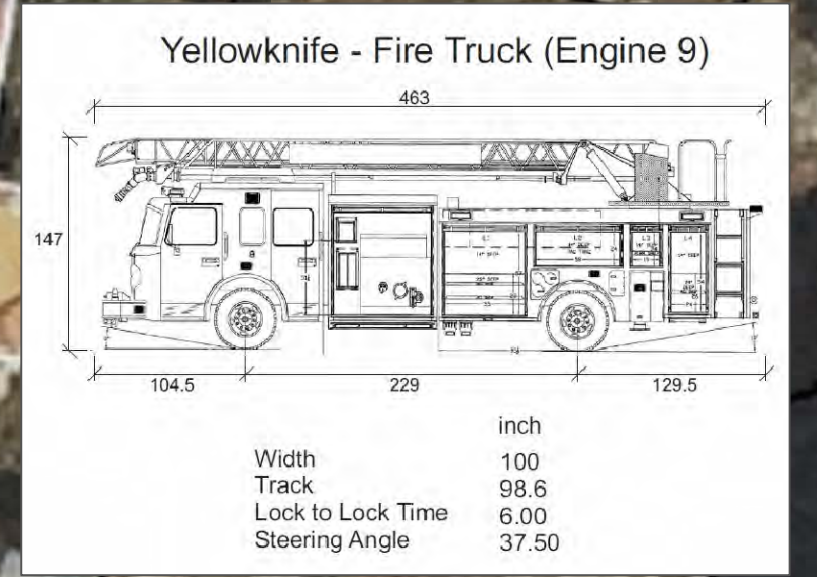
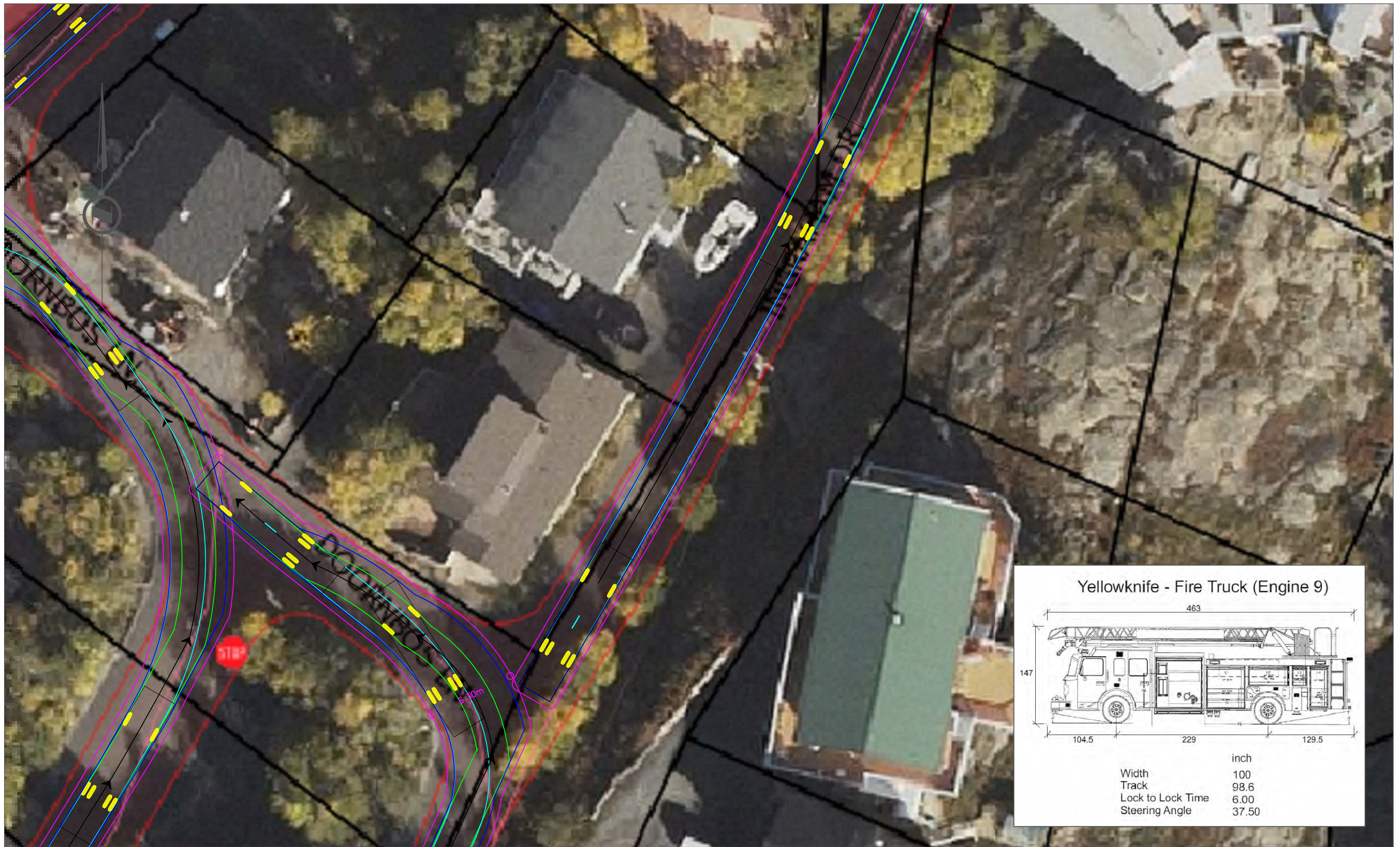
**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

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	Reviewed: J.V.	Date: 4 NOV 2020	Revision No.: 0

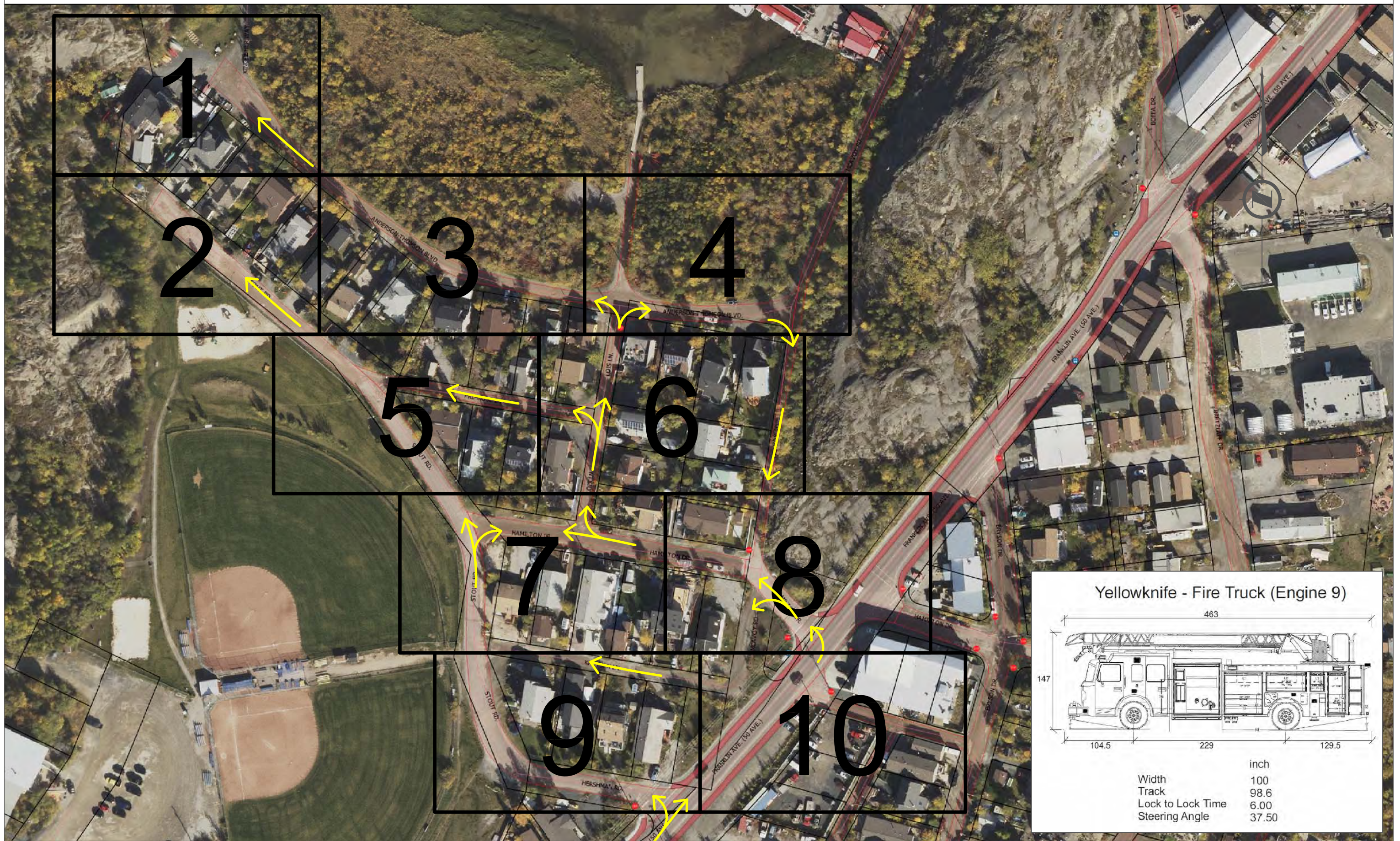


LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					CTS Traffic Engineering Specialists 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 4 OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW	NTS		14
Rear Tires —				Designed: J.V.			Drawing Number:		
Vehicle Body —				Drawn: R.C.			CTS Project Number: 7288		
0.5m Body Clearance —				Reviewed: J.V.			Date: 4 NOV 2020		
Conflict 							Revision No.: 0		



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
Front Tires —					CTS Traffic Engineering Specialists 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190		NTS		15
Rear Tires —							J.V.		
Vehicle Body —							R.C.	7288	
0.5m Body Clearance —							J.V.	4 NOV 2020	0
Conflict 									
					FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 4				
					OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW				

APPENDIX B: REVIEW OF NO-PARKING & POTENTIAL ON-STREET PARKING AREAS



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

CTS Traffic Engineering Specialists
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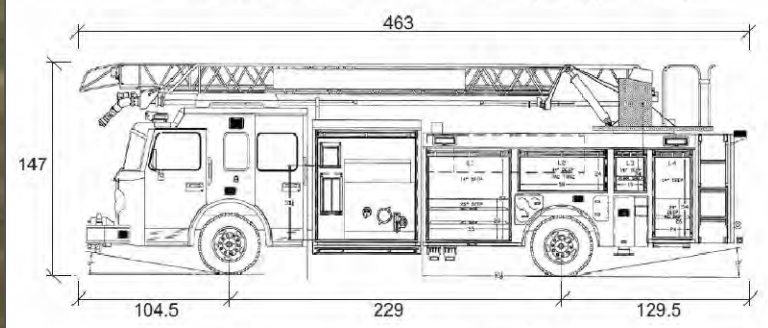
FIRE TRUCK ENGINE 9
 SWEEP PATH – INDEX (AREA 1)

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	0
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	13 NOV 2020	Revision No.:	0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- No Parking Availability Front Tires
- Parking Availability Rear Tires
- Parking Availability with Infrastructure Improvements Vehicle Body
- Existing No Parking Area 0.5m Body Clearance
- Conflict

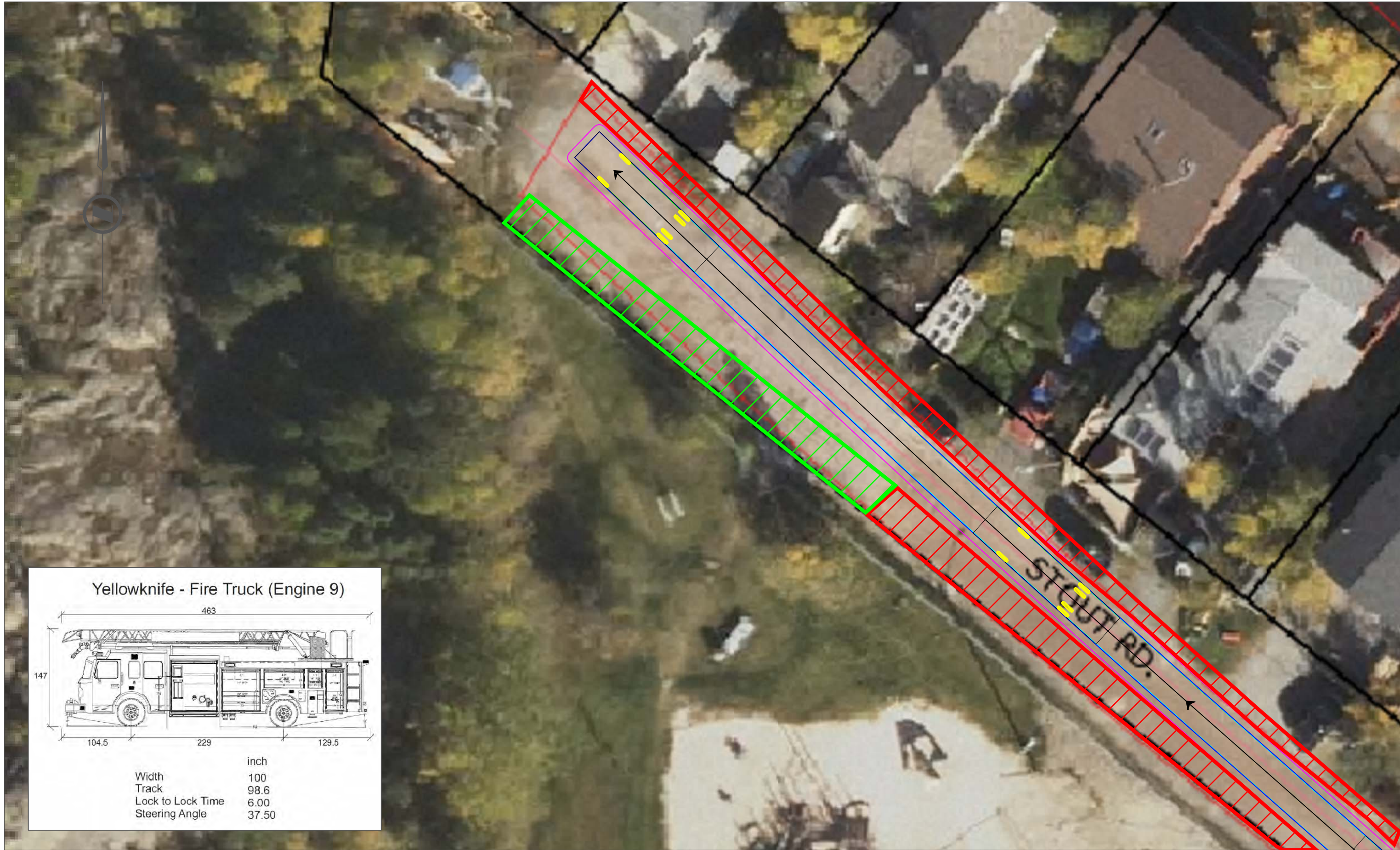
REVISIONS	DESCRIPTION	DATE	BY

CTS Traffic Engineering Specialists
 101A 1952 Kingsway Avenue,
 Port Coquitlam, BC, Canada, V3C 6C2
 Tel: 604-936-6190

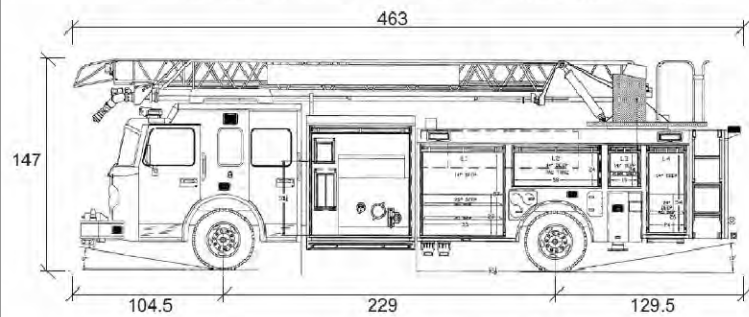
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	1
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

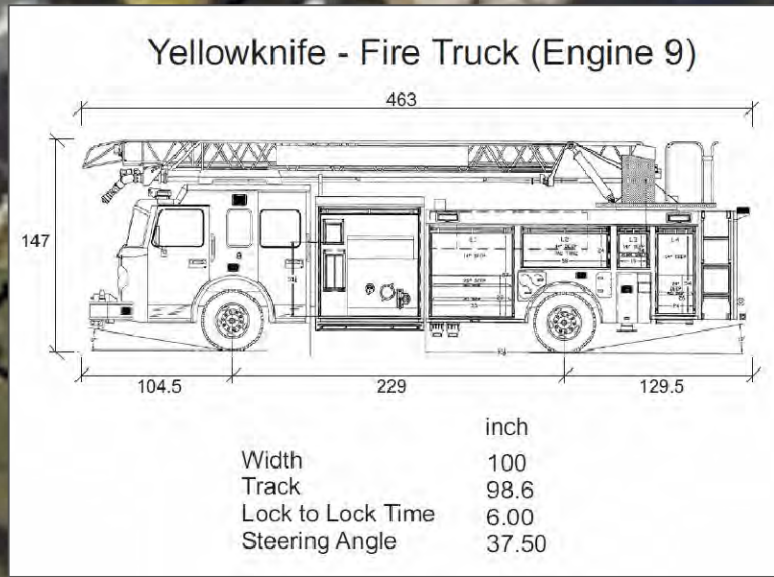
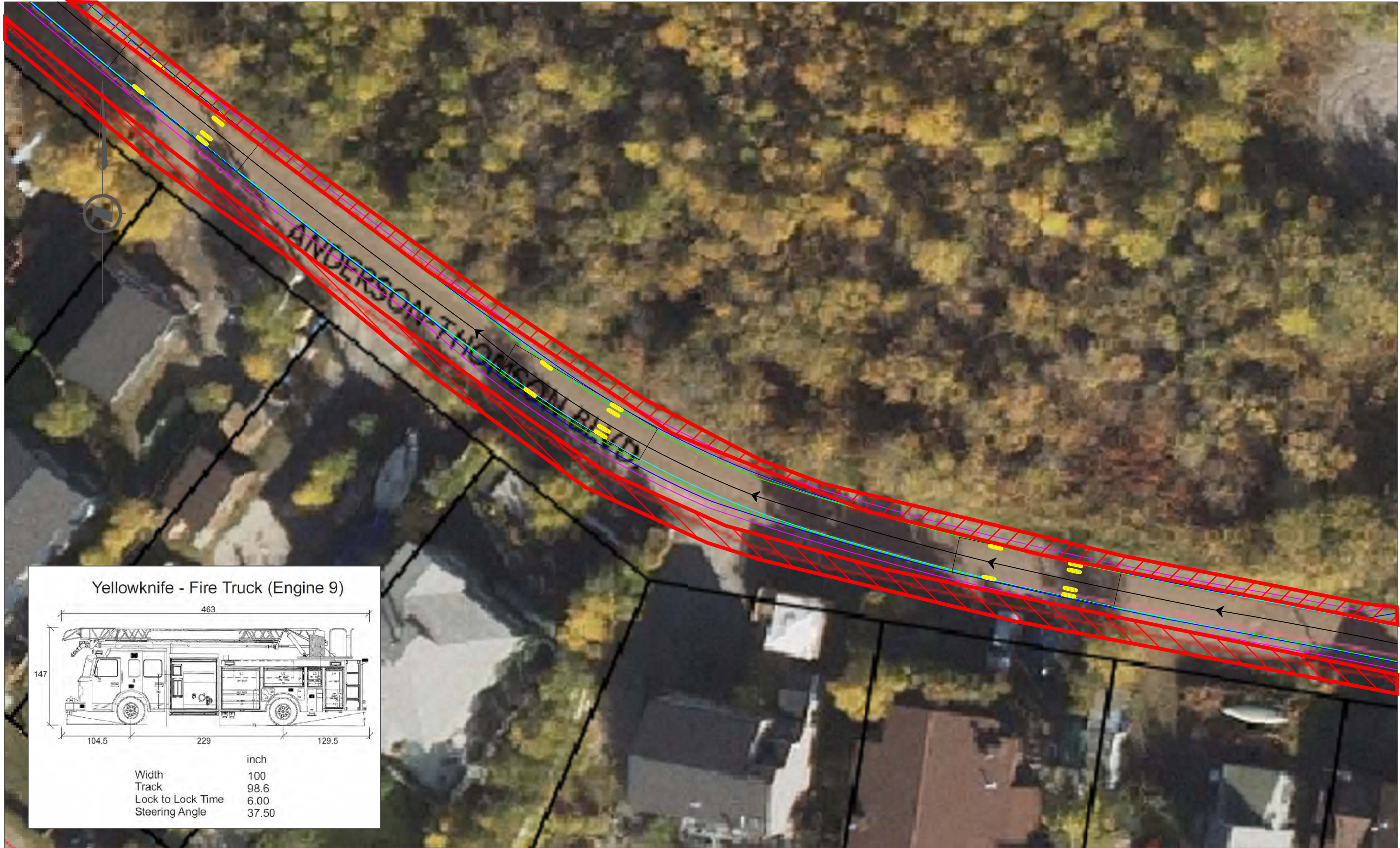
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:	Scale: NTS	Project Number:	Drawing No:
	Designed: J.V.	Drawing Number:	2
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 26 NOV 2020	Revision No: 0



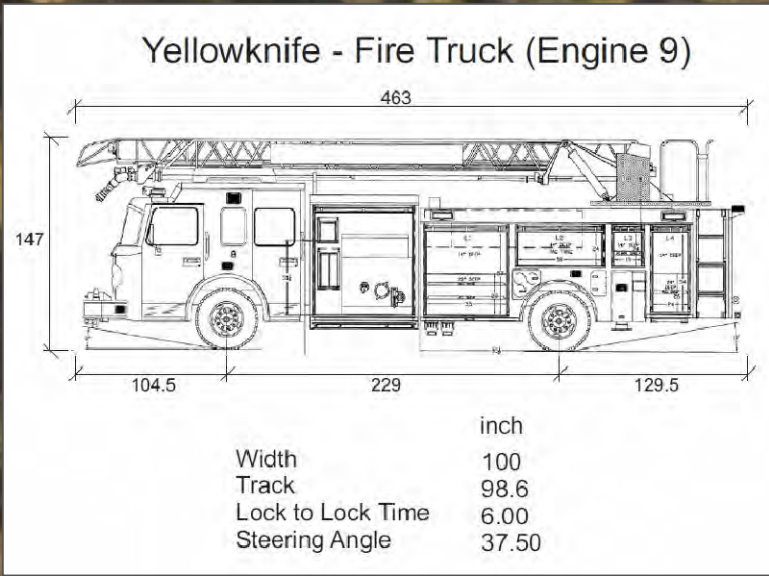
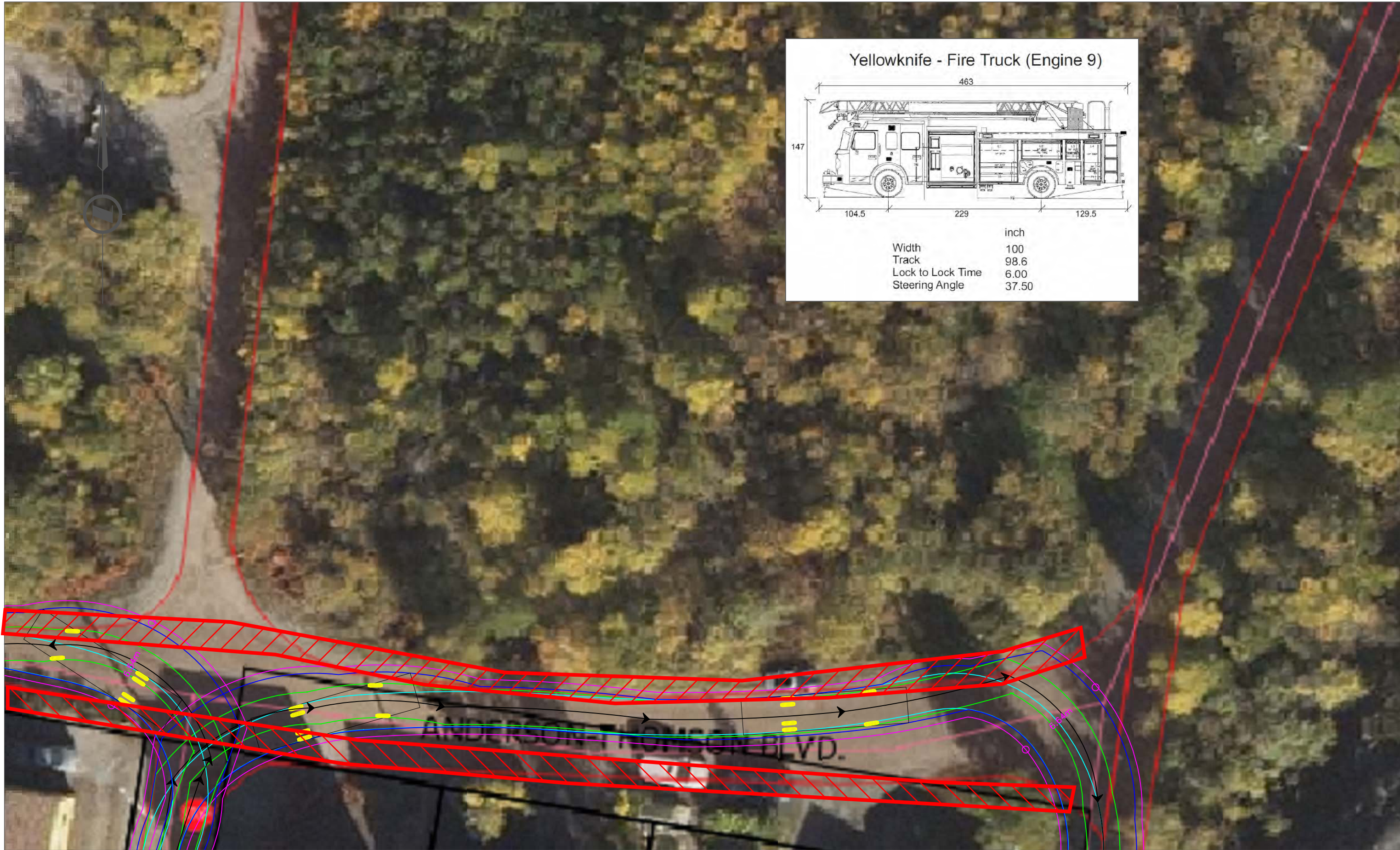
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability					
Parking Availability					
Parking Availability Infrastructure Improvements					
Existing No Parking Area					
			Front Tires		
			Rear Tires		
			Vehicle Body		
			0.5m Body Clearance		
			Conflict		

CTS Traffic Engineering Specialists
 101A 1952 Kingsway Avenue,
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 Tel: 604-936-6190

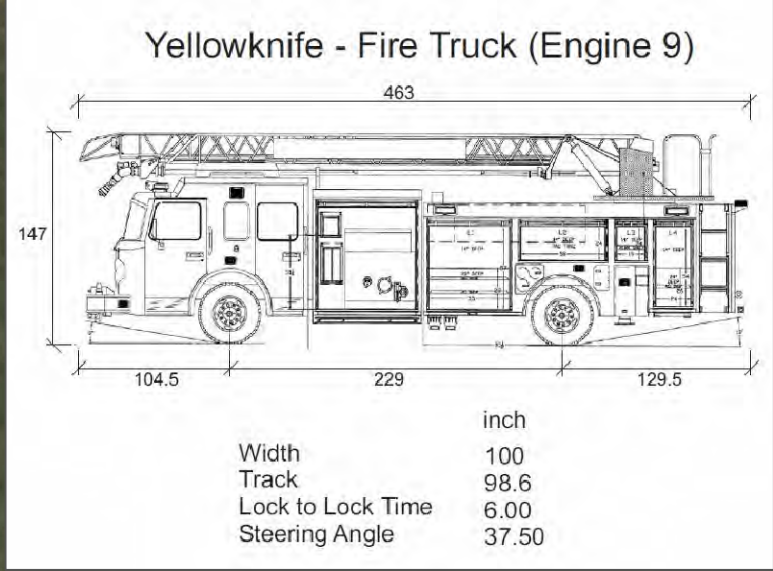
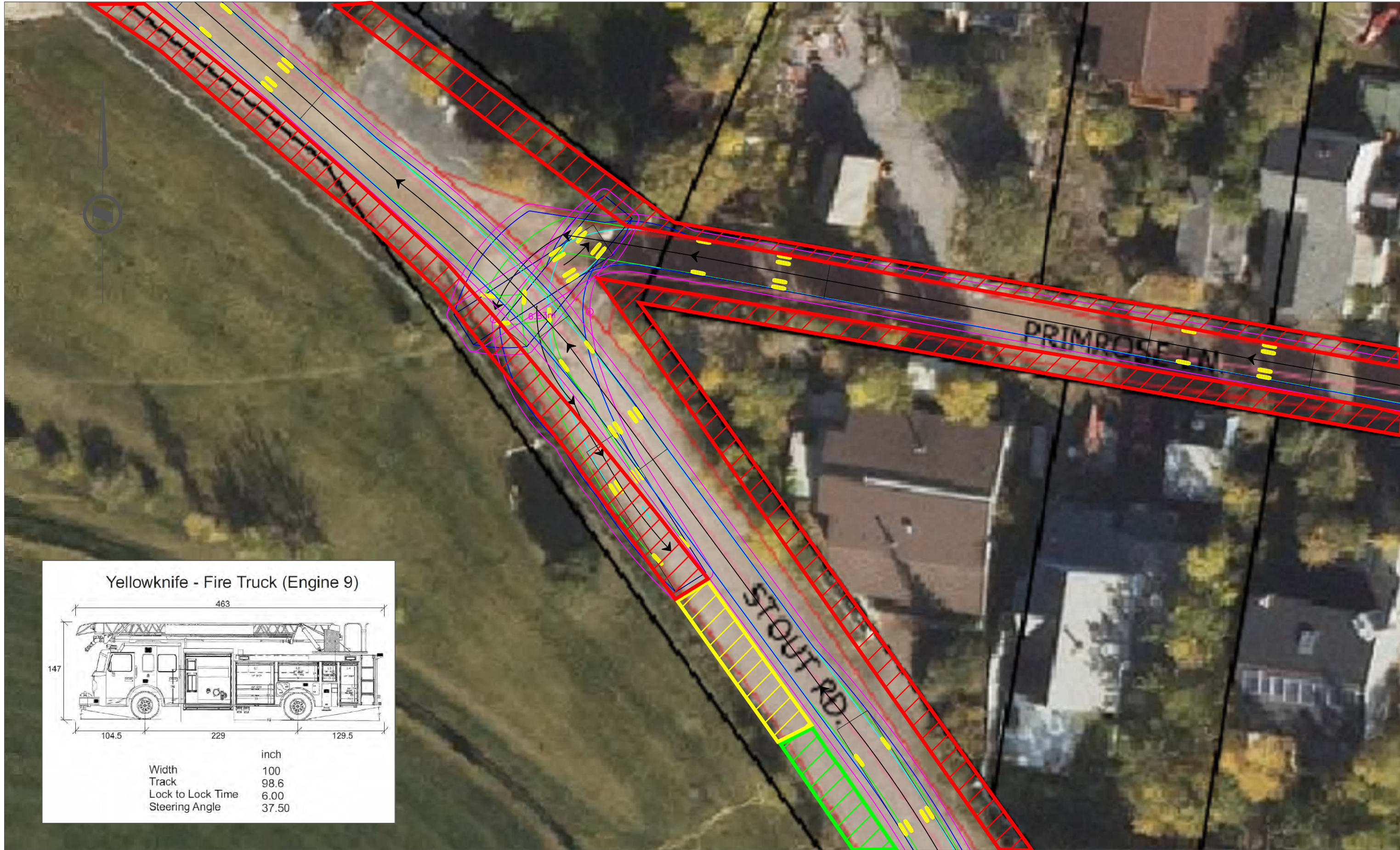
FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

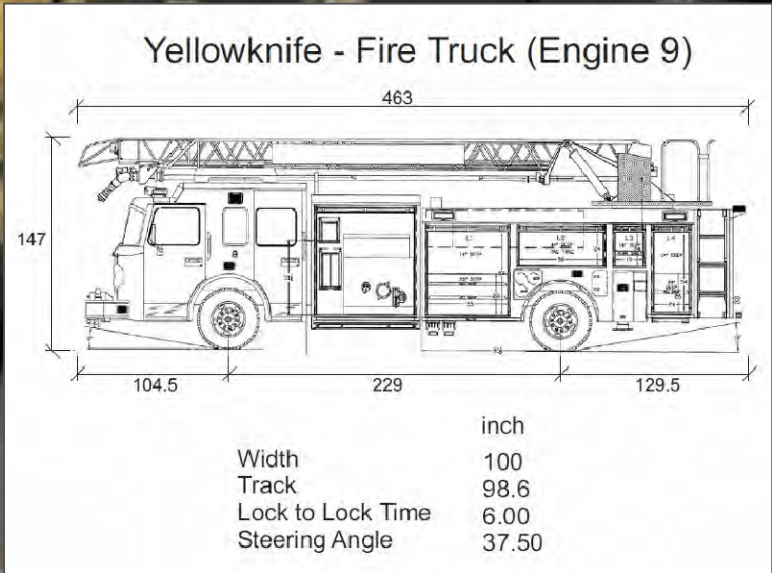
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	Designed: J.V.	Drawing Number:	
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 26 NOV 2020	Revision No: 0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
No Parking Availability Front Tires					Traffic Engineering Specialists 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190		NTS		4
Parking Availability Rear Tires							J.V.		
Parking Availability w/Infrastructure Improvements Vehicle Body							R.C.	7288	
Existing No Parking Area 0.5m Body Clearance							J.V.	26 NOV 2020	Revision No.: 0
FIRE TRUCK ENGINE 9 SWEEP PATH - AREA 1									
OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW									



LEGEND No Parking Availability: [Red Hatched] Parking Availability: [Green Hatched] Parking Availability with Infrastructure Improvements: [Blue Hatched] Existing No Parking Area: [Yellow Hatched]	Front Tires: [Red Line] Rear Tires: [Green Line] Vehicle Body: [Blue Line] 0.5m Body Clearance: [Yellow Line] Conflict: [Purple Hatched]	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	DESCRIPTION	DATE	BY																					 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH - AREA 1	Stamp: _____	Scale: NTS Designed: J.V. Drawn: R.C. Reviewed: J.V.	Project Number: _____ Drawing Number: _____ CTS Project Number: 7288 Date: 26 NOV 2020	Drawing No: 5 Revision No: 0
	REVISIONS	DESCRIPTION	DATE	BY																												



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

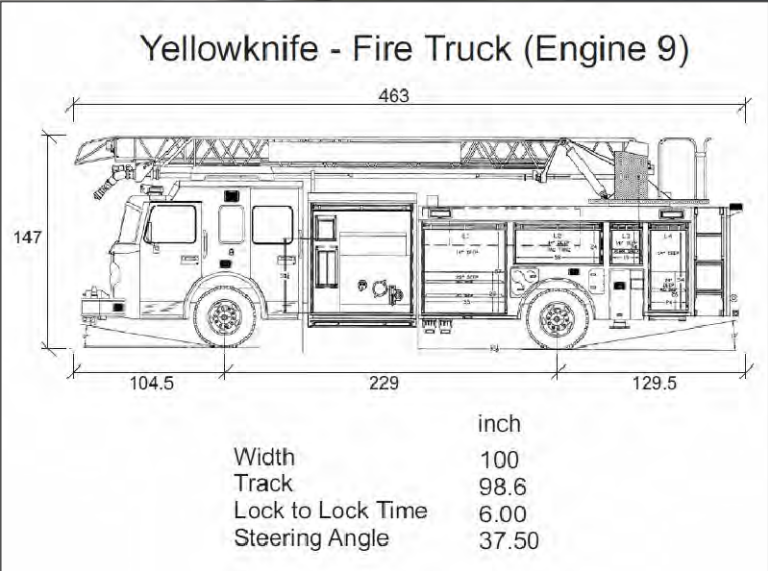
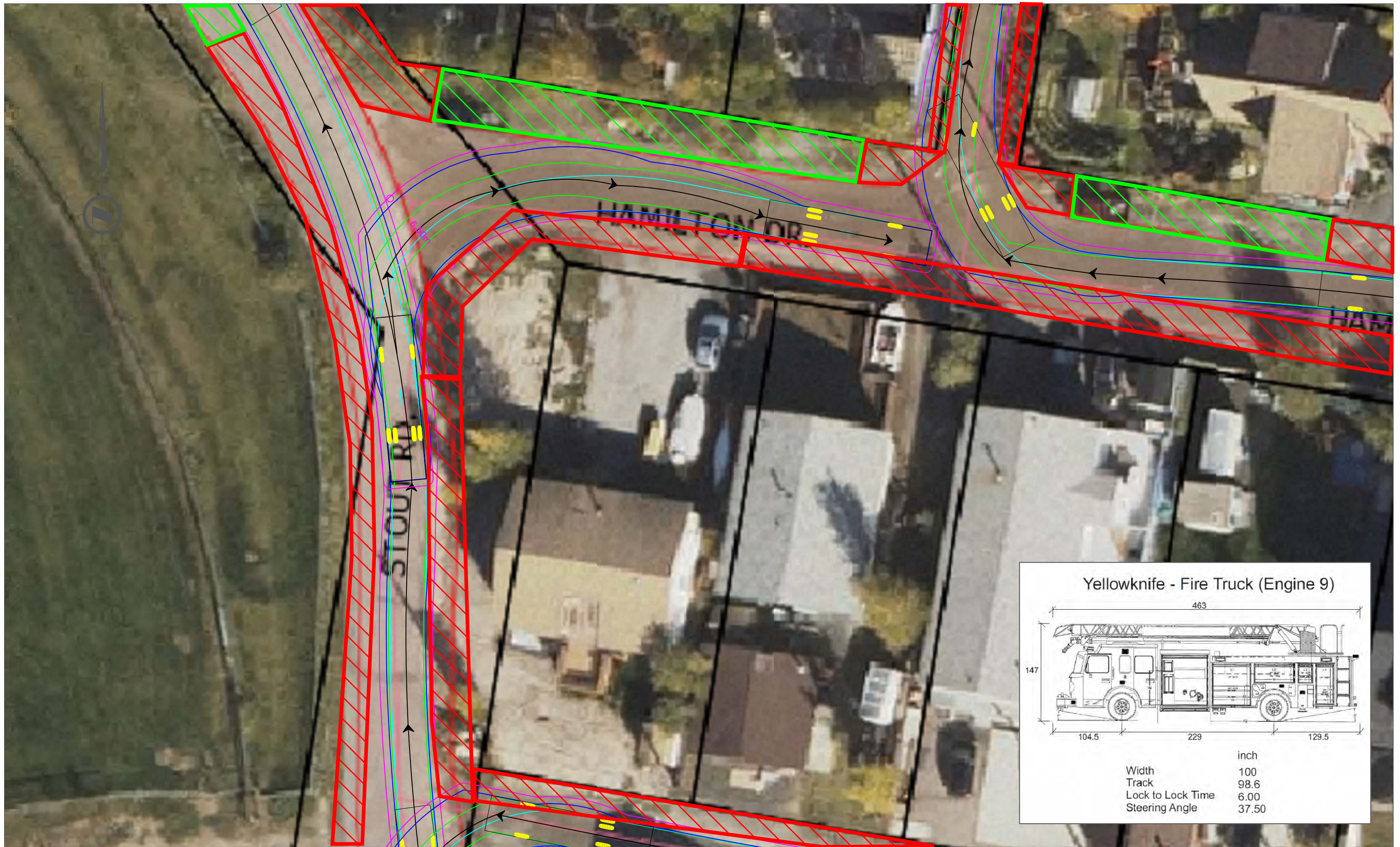
CTS Traffic Engineering Specialists
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 Tel: 604-936-6190

FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	6
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



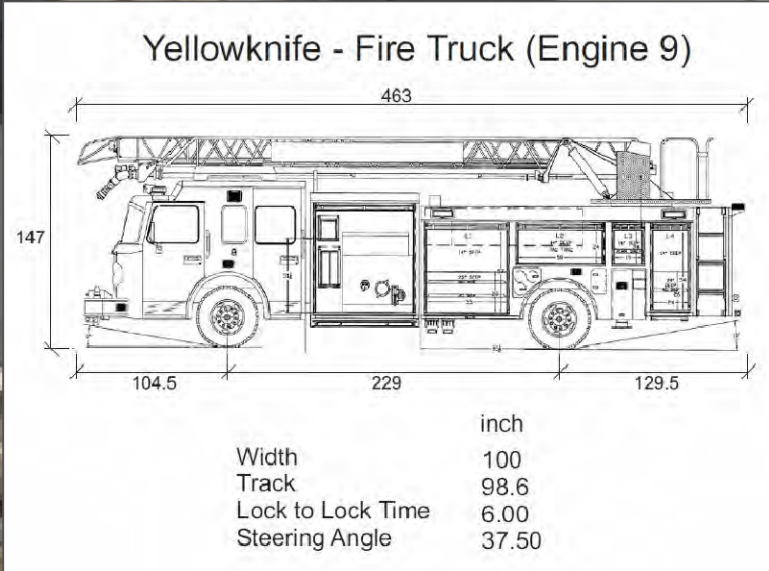
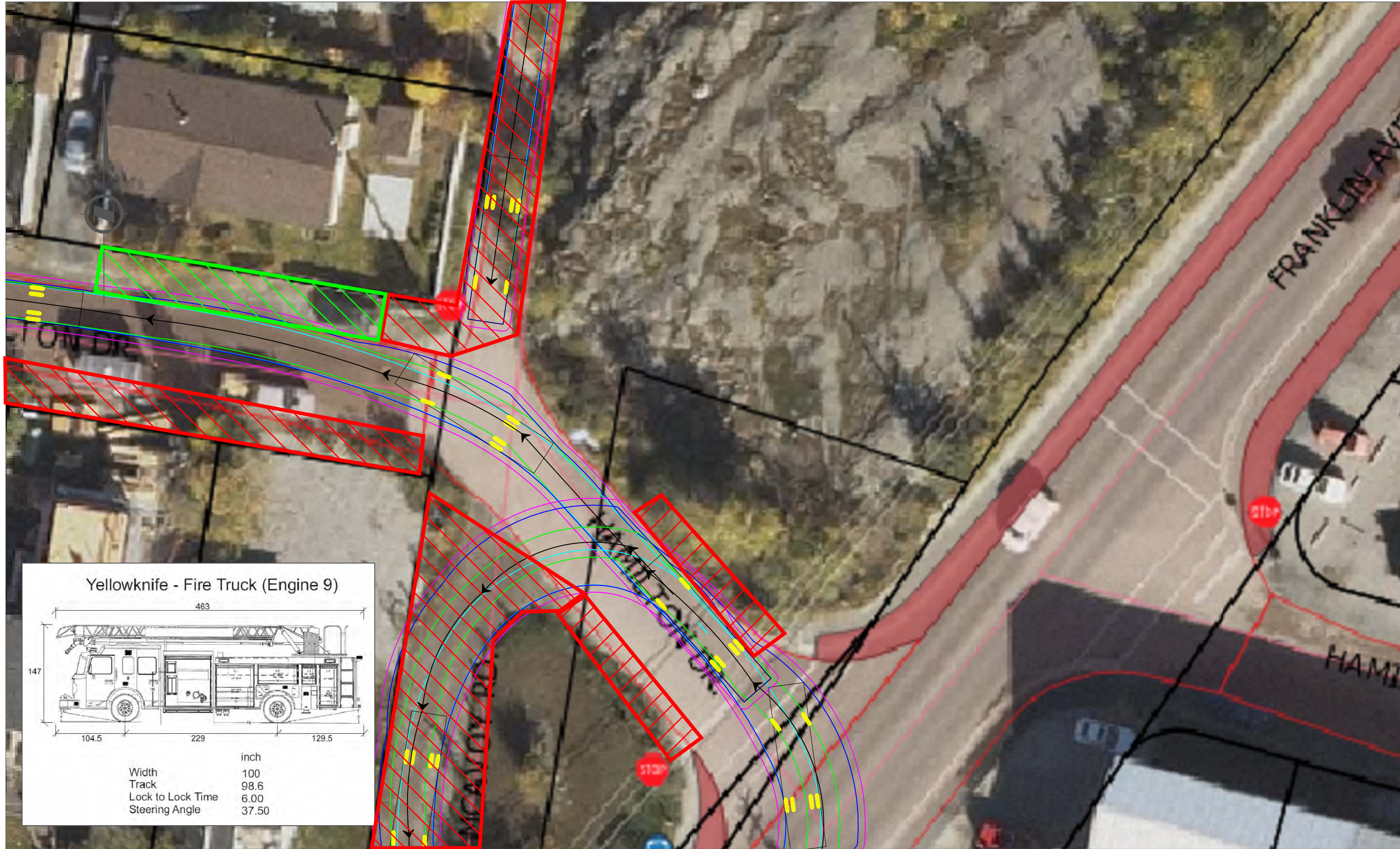
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability with Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:	Scale: NTS	Project Number:	Drawing No:
	Designed: J.V.	Drawing Number:	7
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 26 NOV 2020	Revision No: 0



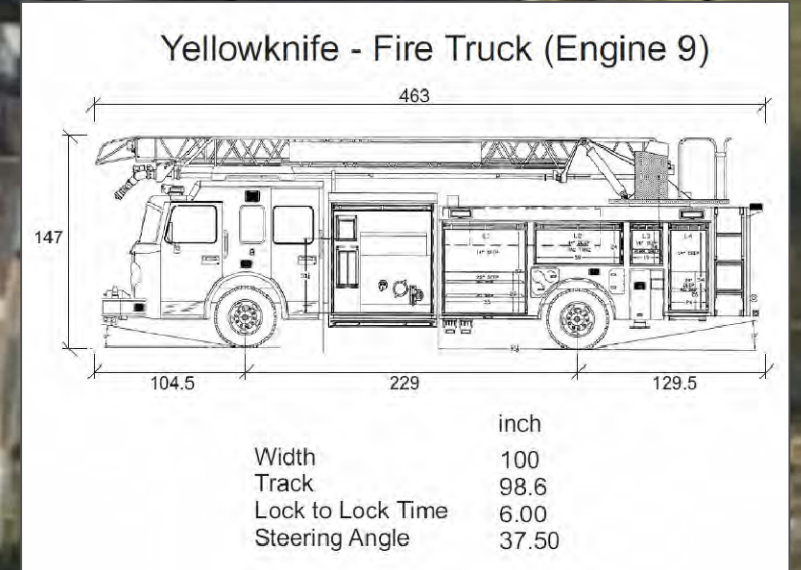
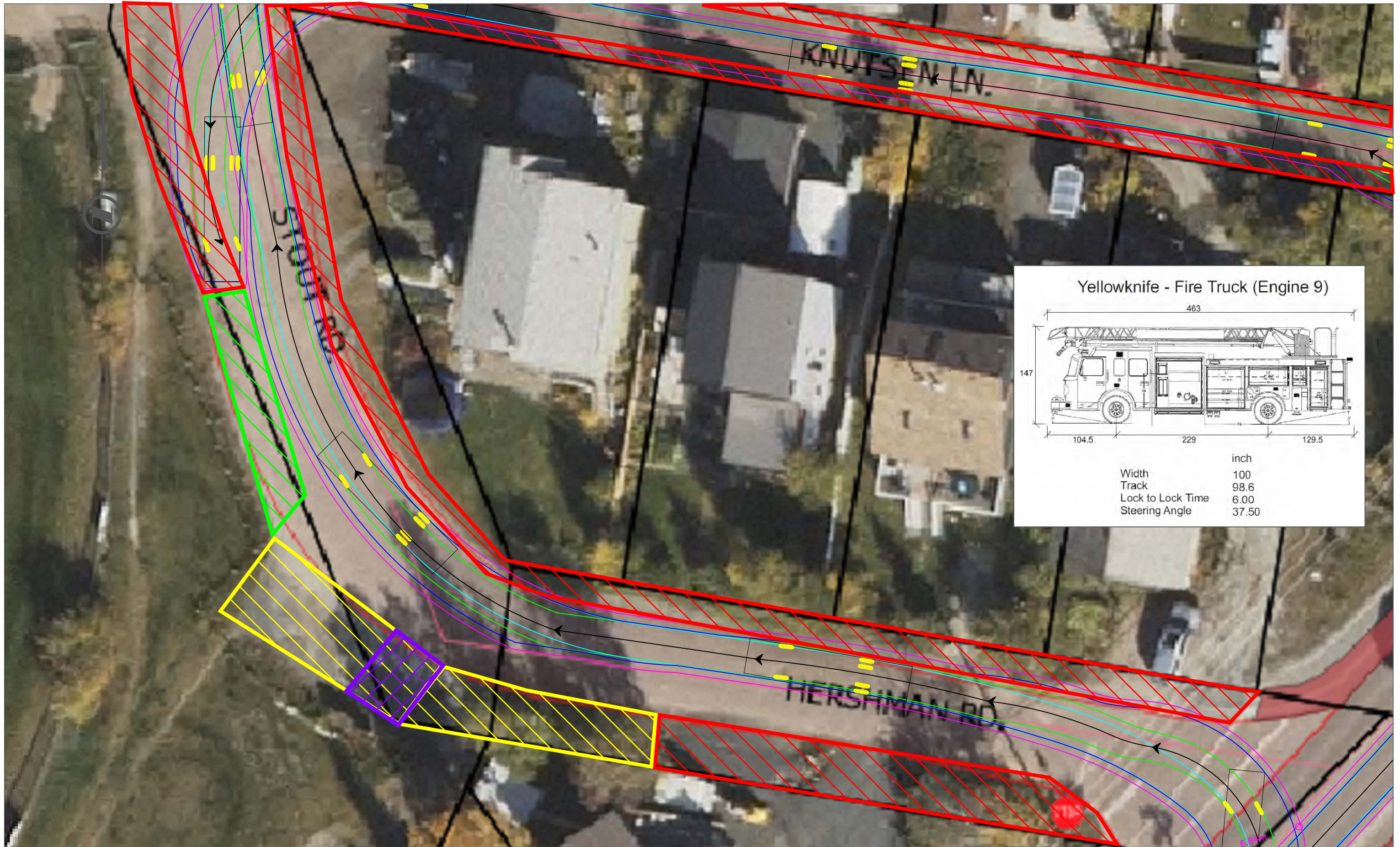
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 1**

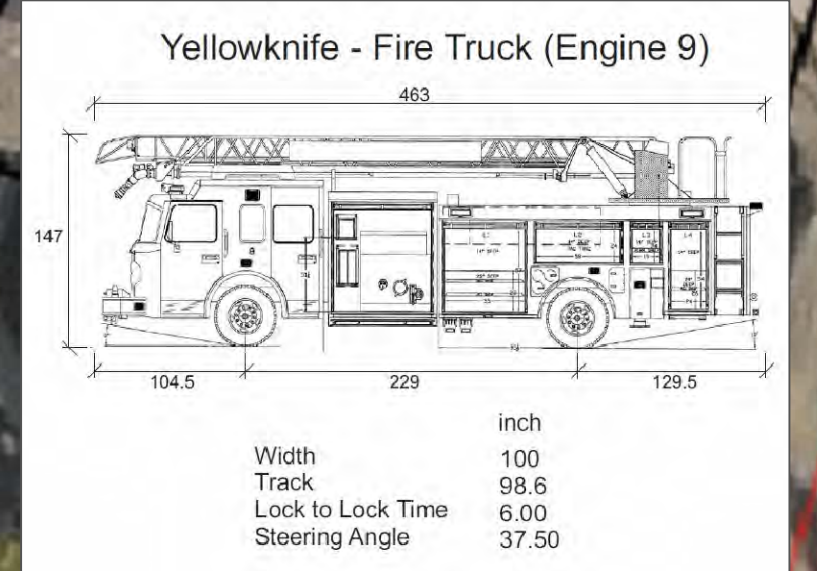
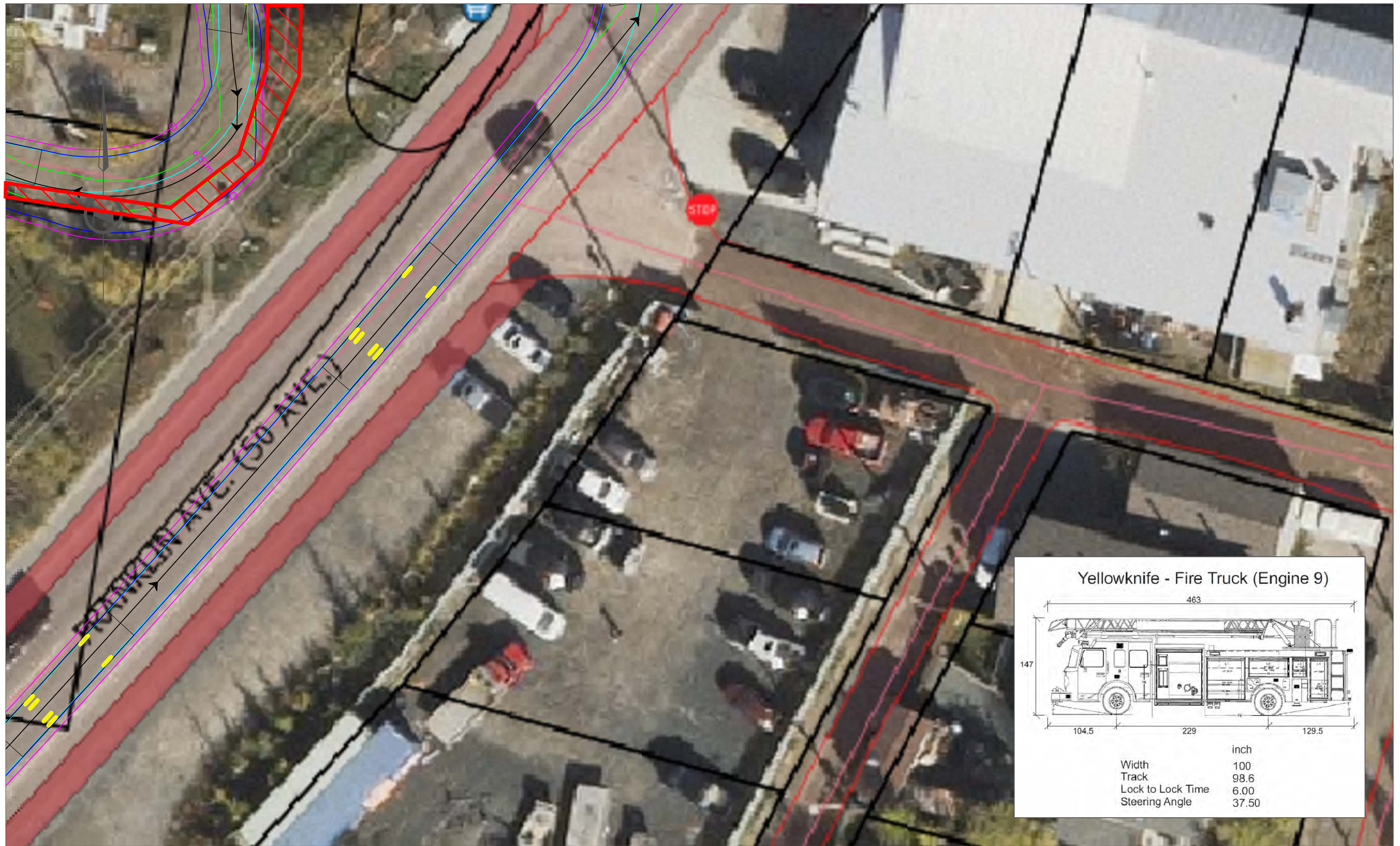
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	8
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No:	0



LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

 101A 1952 Kingsway Avenue, Port Coquitlam, BC, Canada, V3C 6C2 Tel: 604-936-6190	FIRE TRUCK ENGINE 9 SWEEP PATH - AREA 1		Stamp:	Scale: NTS	Project Number:	Drawing No: 9
	OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW			Designed: J.V.	Drawing Number:	
				Drawn: R.C.	CTS Project Number: 7288	
				Reviewed: J.V.	Date: 26 NOV 2020	Revision No: 0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

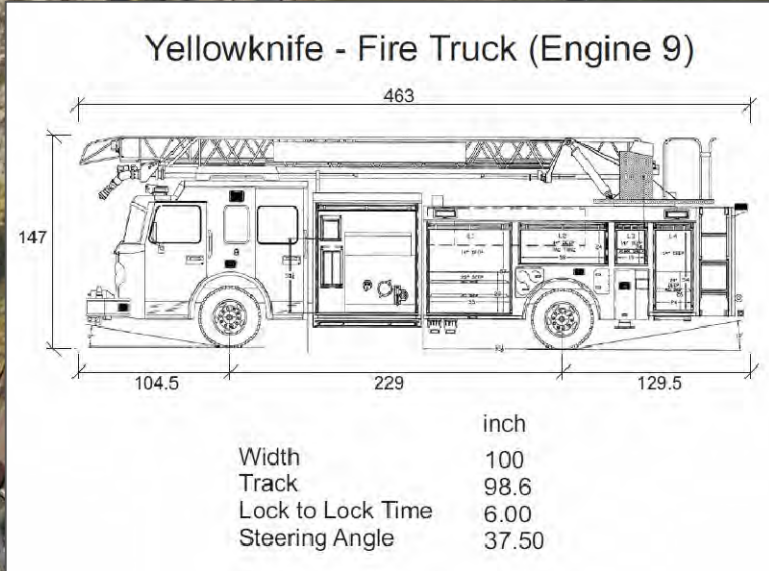
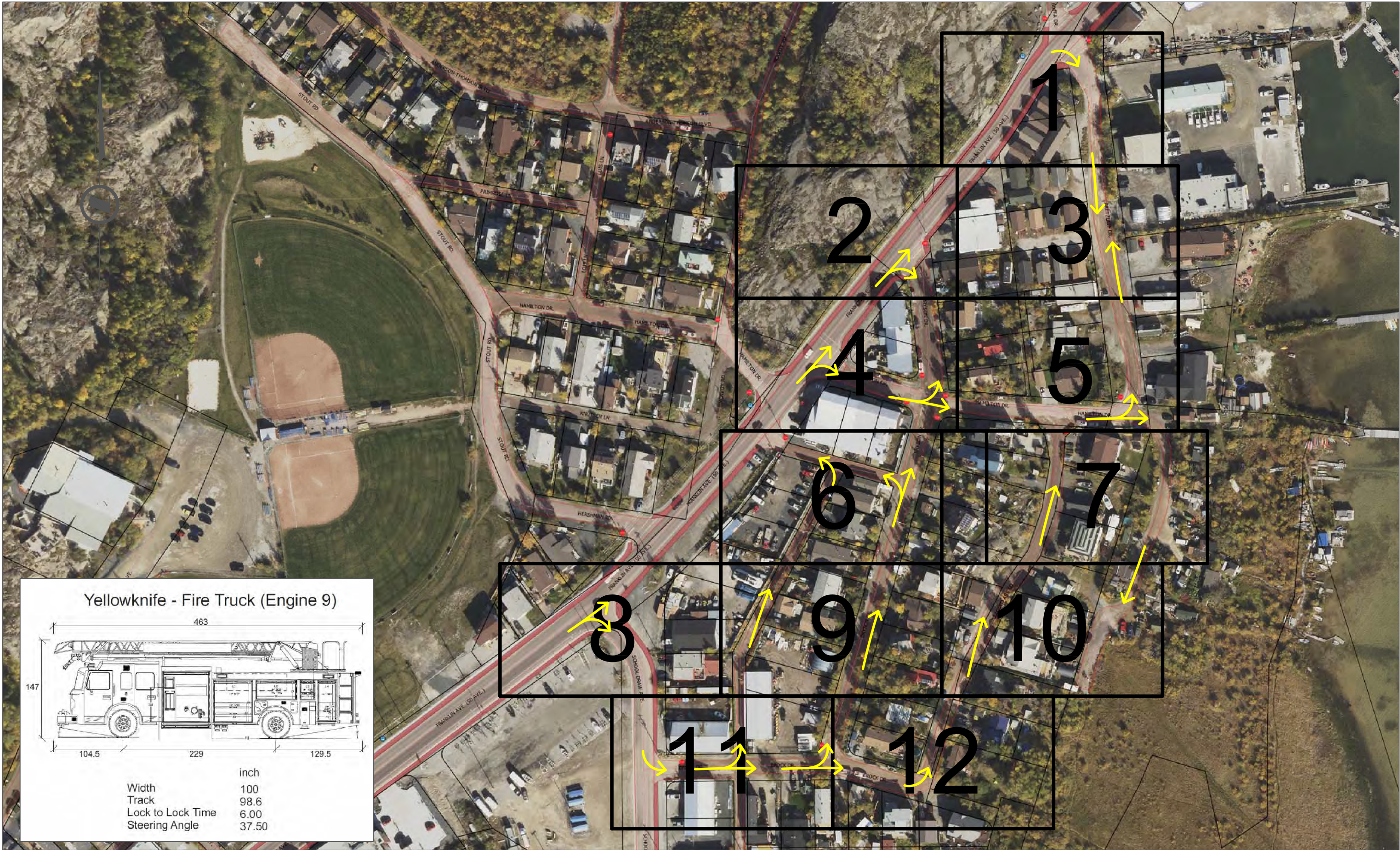
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 1**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	
Designed:	J.V.	Drawing Number:				10	
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	26 NOV 2020				Revision No.: 0



LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

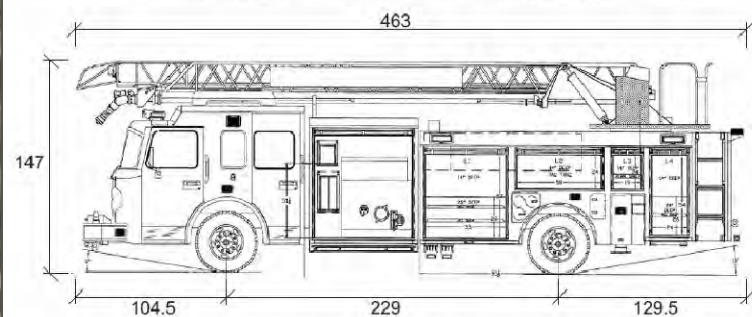
CTS Traffic Engineering Specialists
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FIRE TRUCK ENGINE 9
 SWEEP PATH - INDEX (AREA 2)

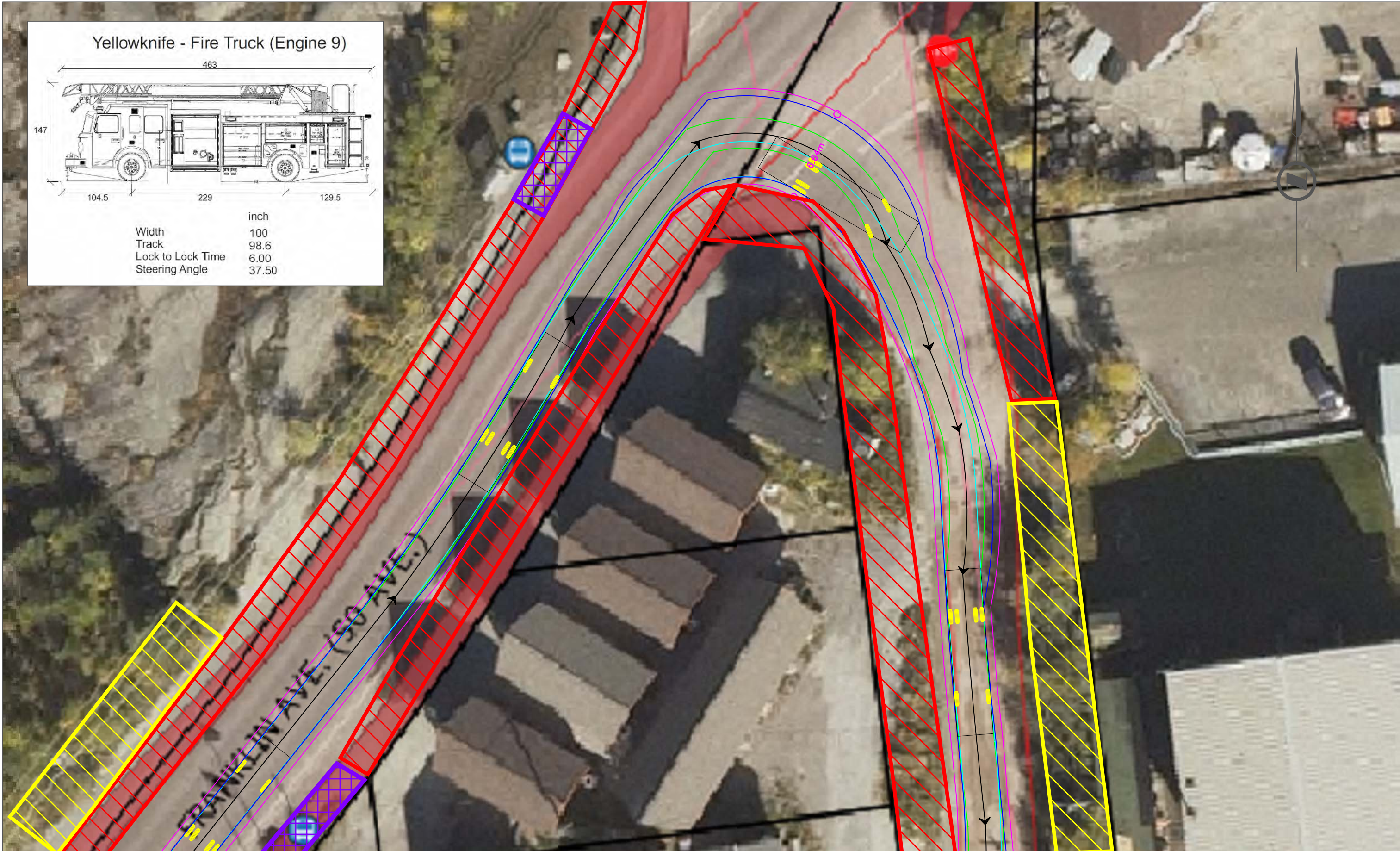
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:	Scale: NTS	Project Number:	Drawing No:
	Designed: J.V.	Drawing Number:	0
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 13 NOV 2020	Revision No: 0

Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

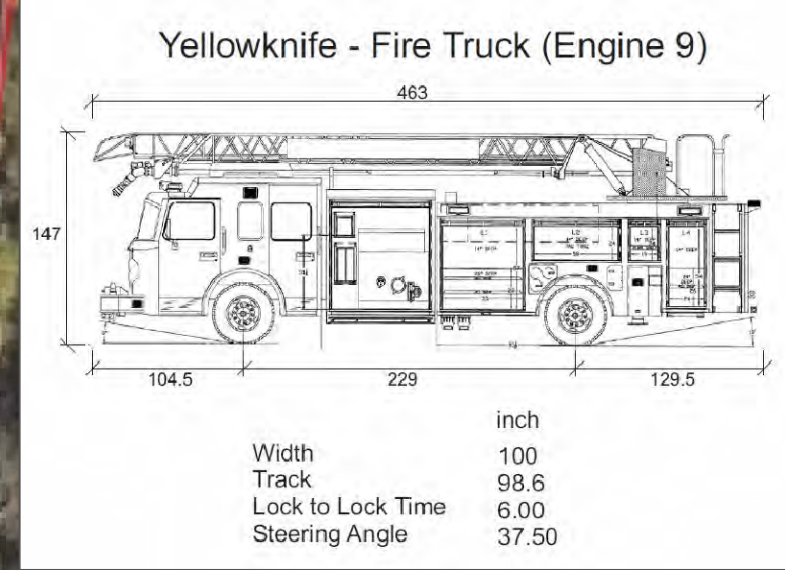
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	1
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

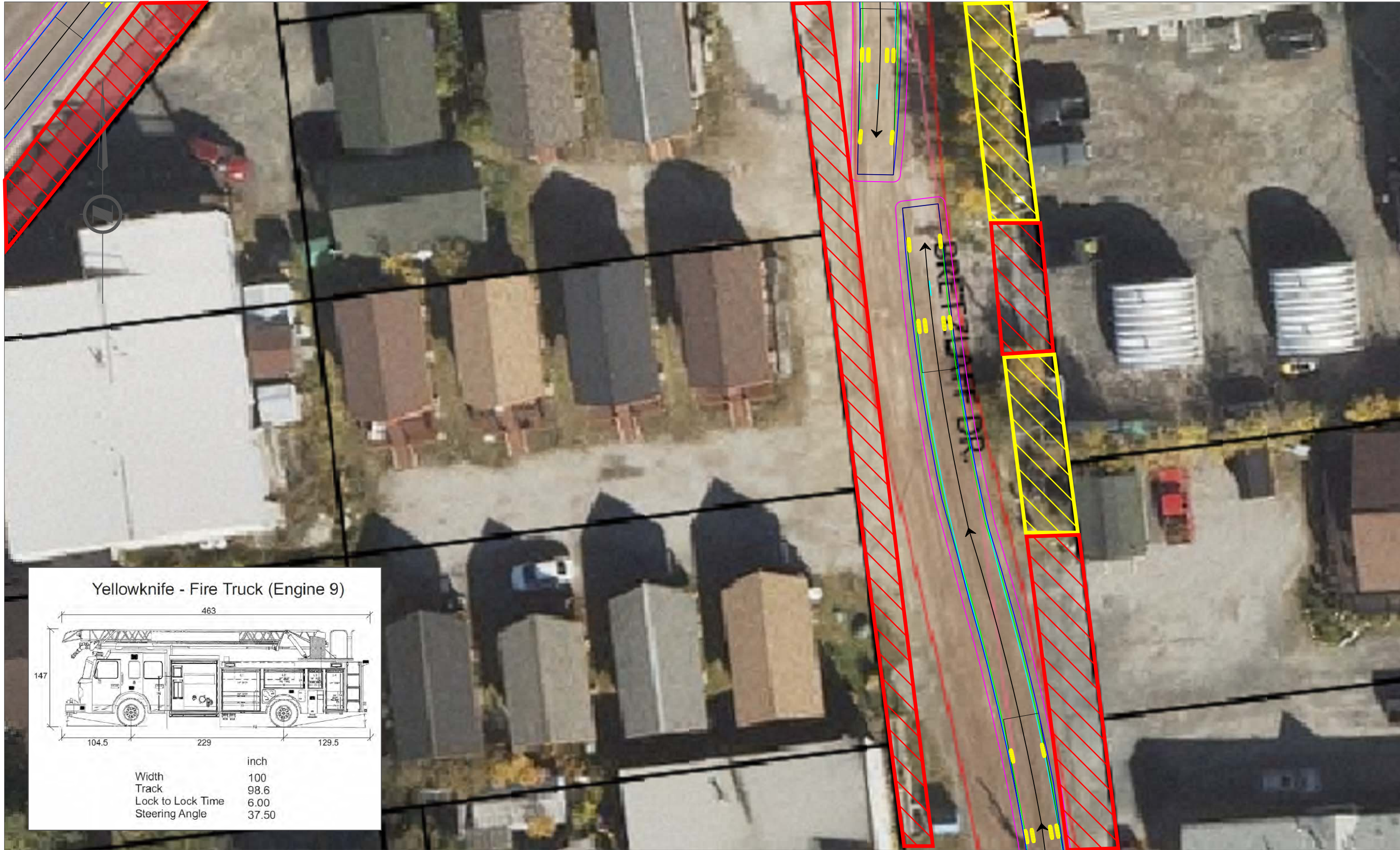
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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

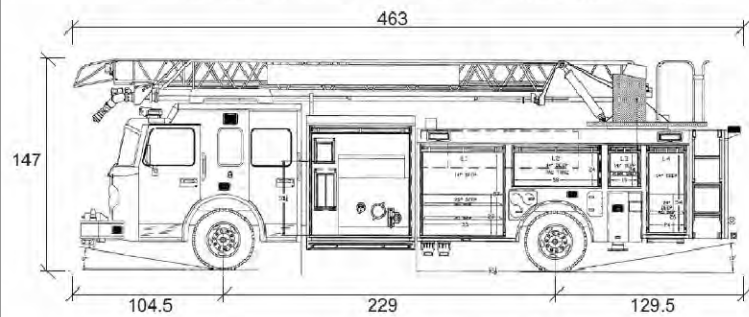
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No.:	2
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability with Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

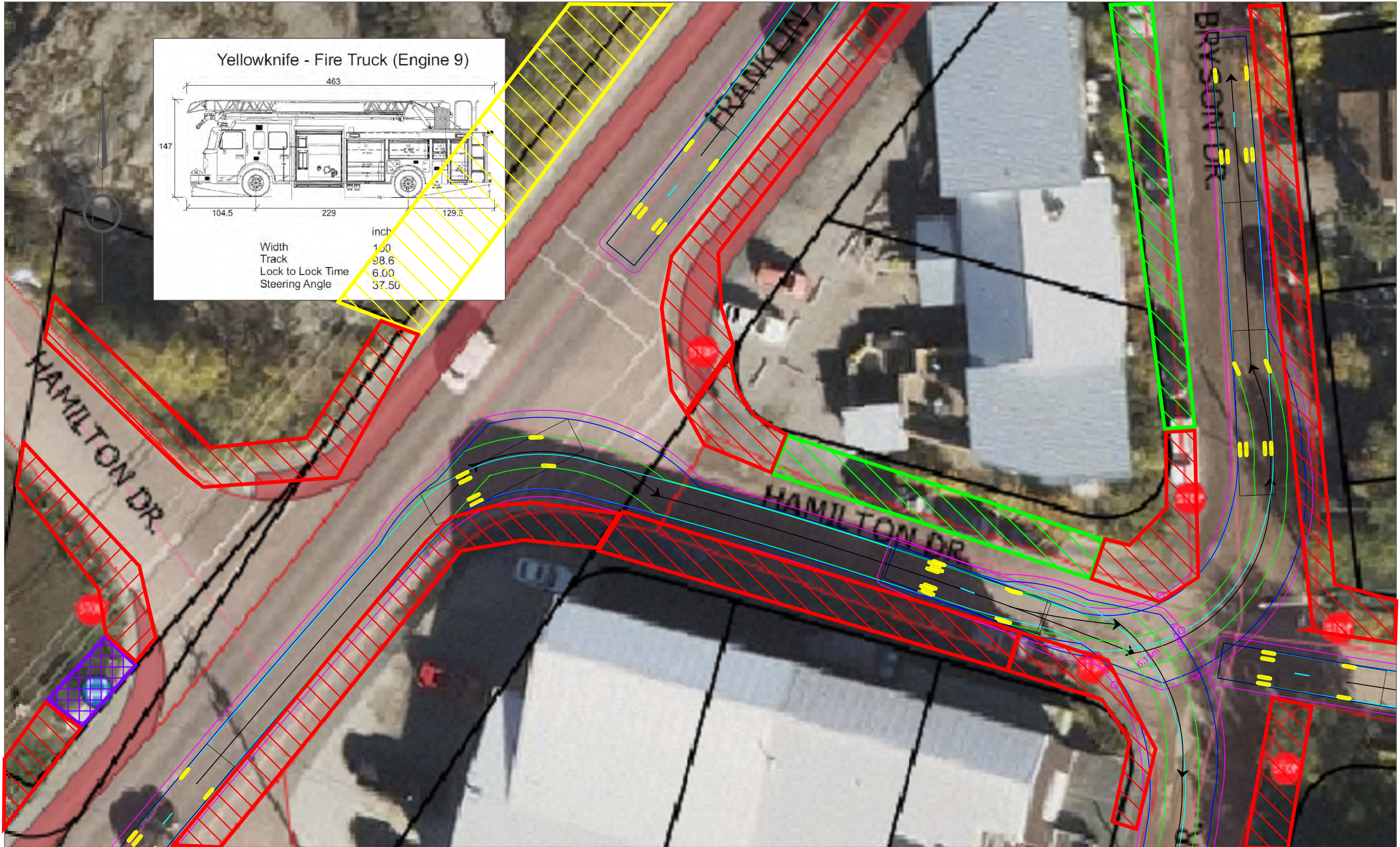
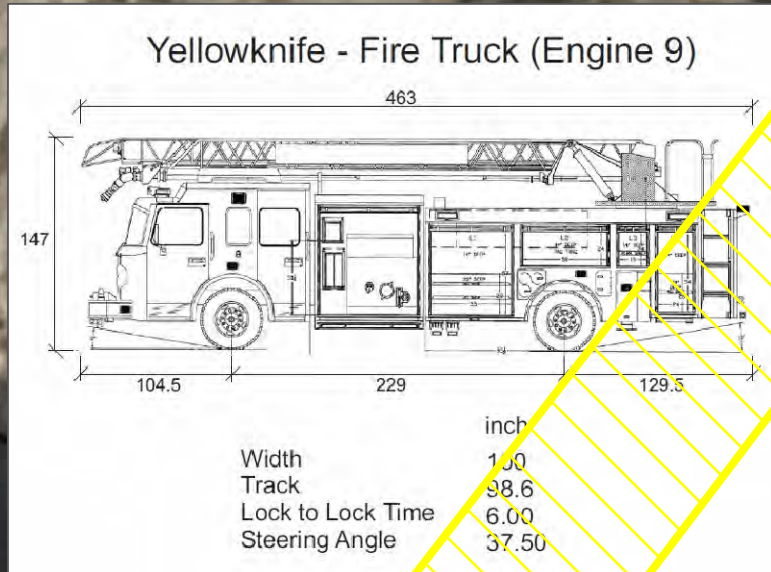
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEPT PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	3
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No:	0



LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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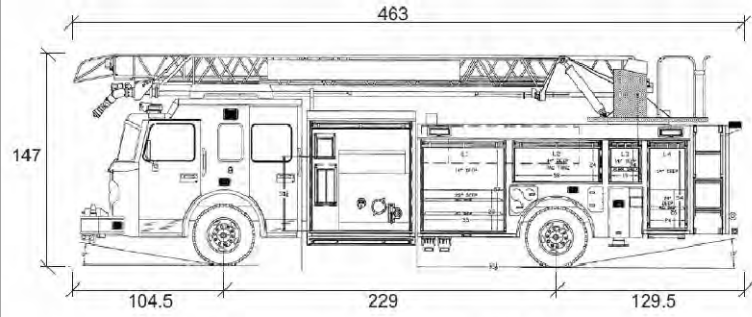
**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 4**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

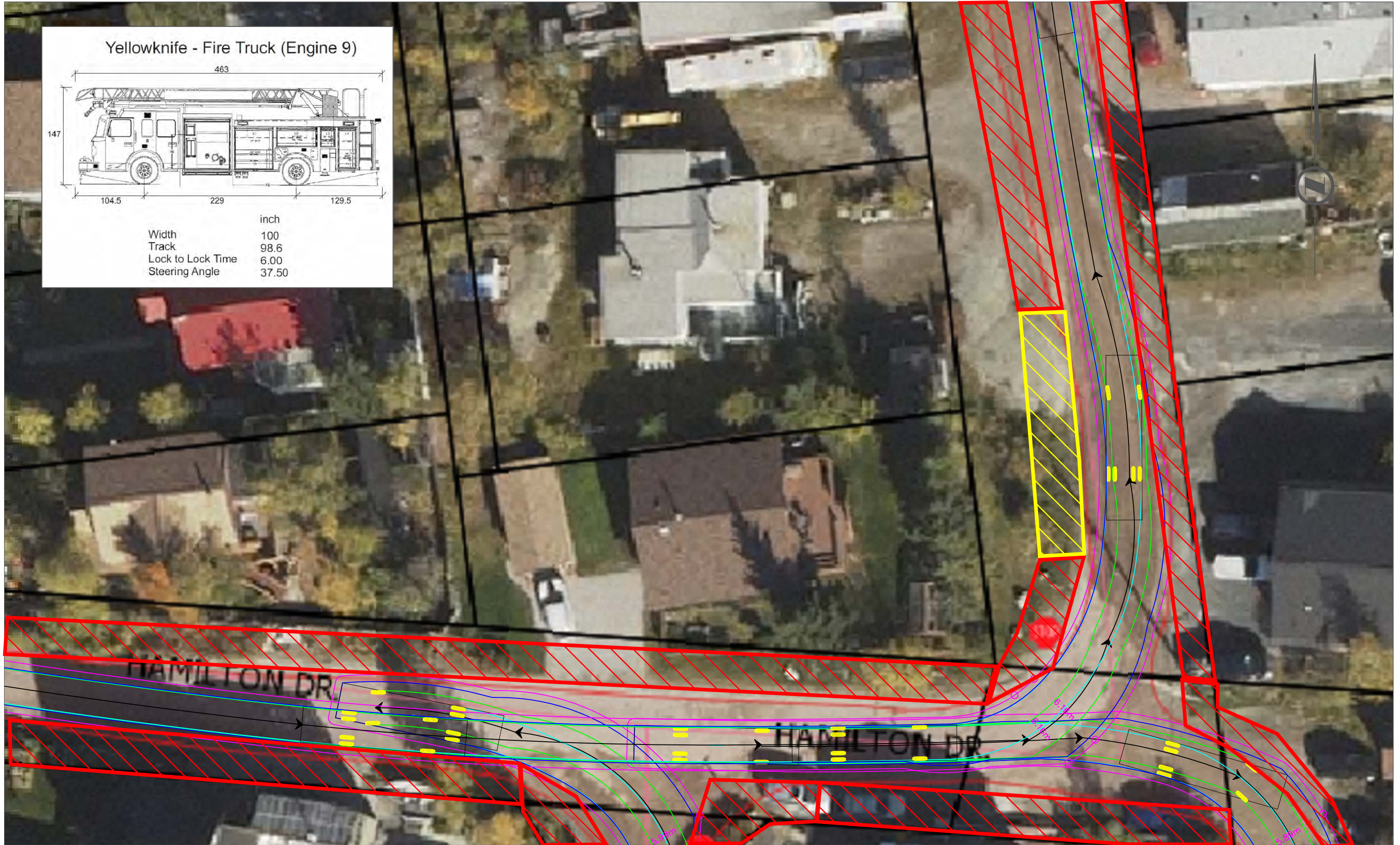
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Scale:	NTS	Project Number:		Drawing No:	
Designed:	J.V.	Drawing Number:			4
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No:	0

Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

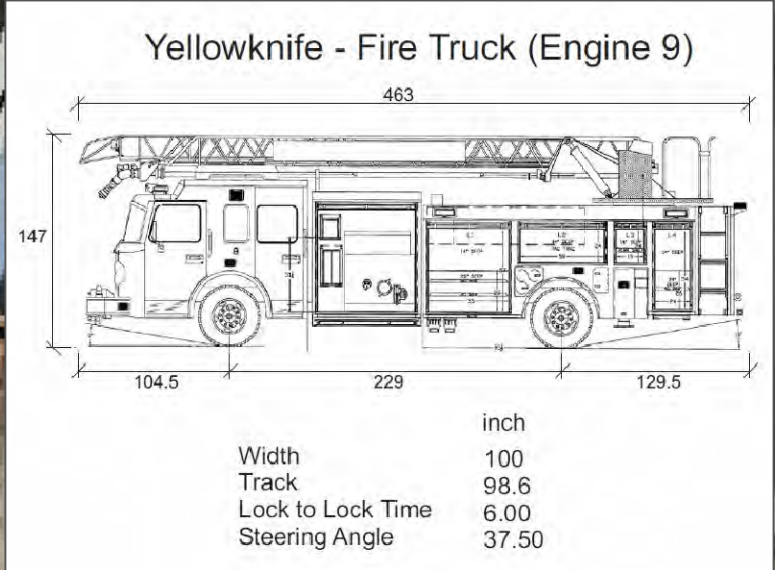
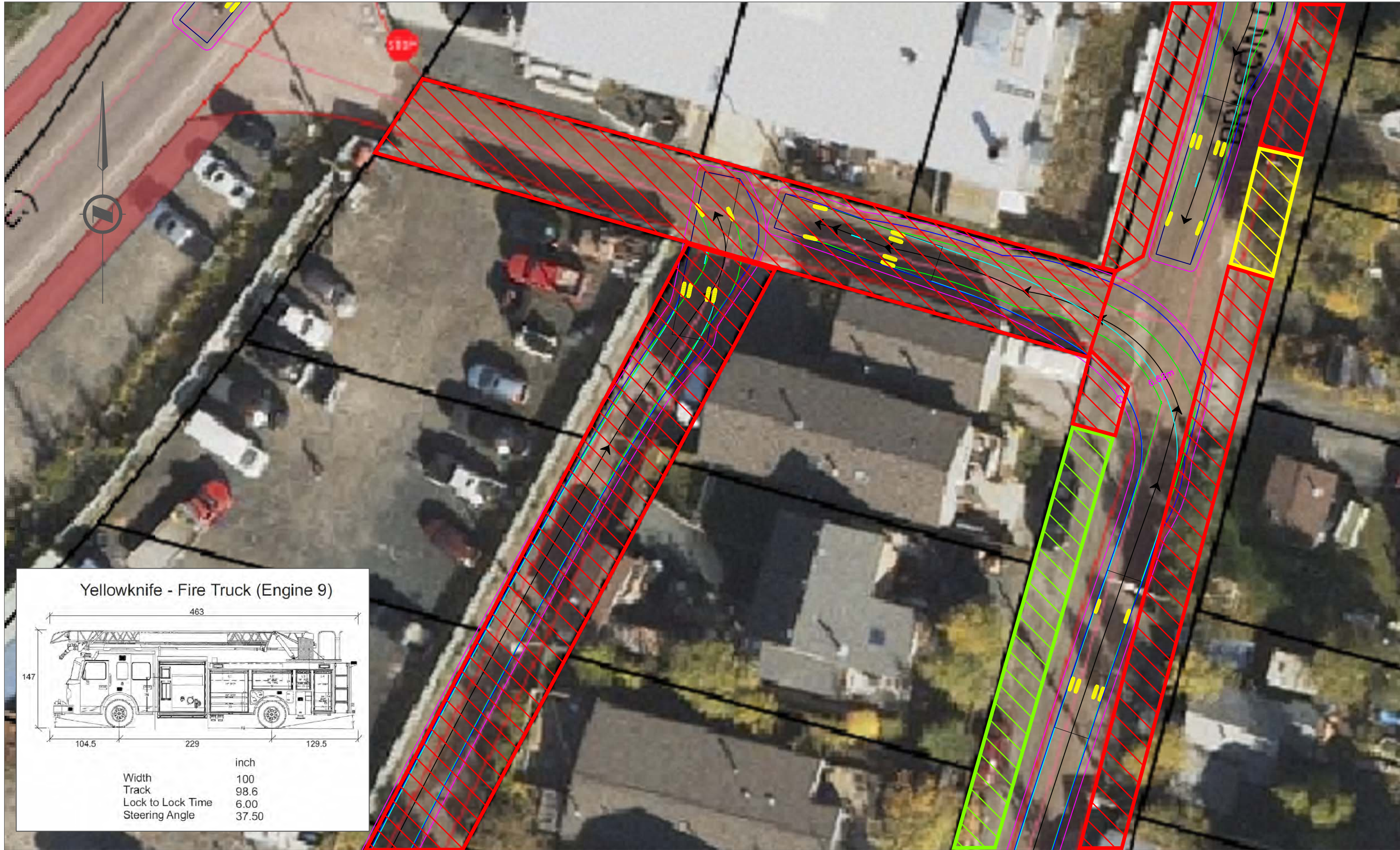
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	
Designed:	J.V.	Drawing Number:			5
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



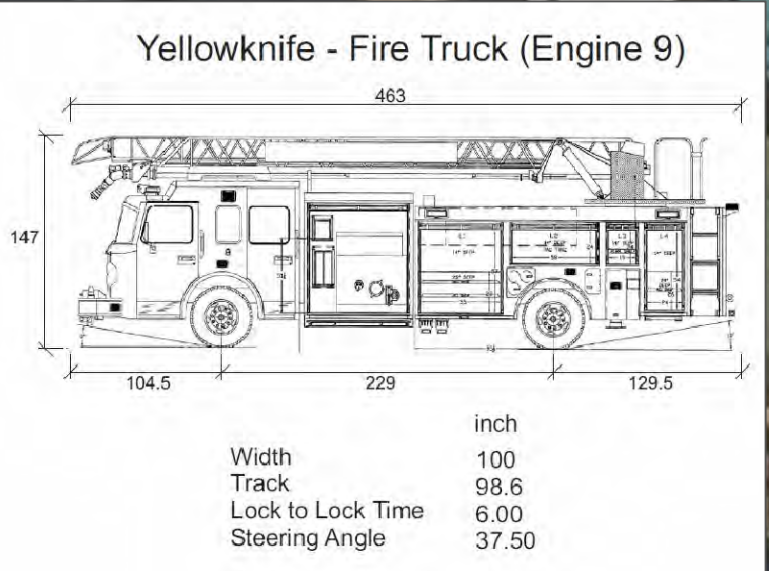
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 6**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	6
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

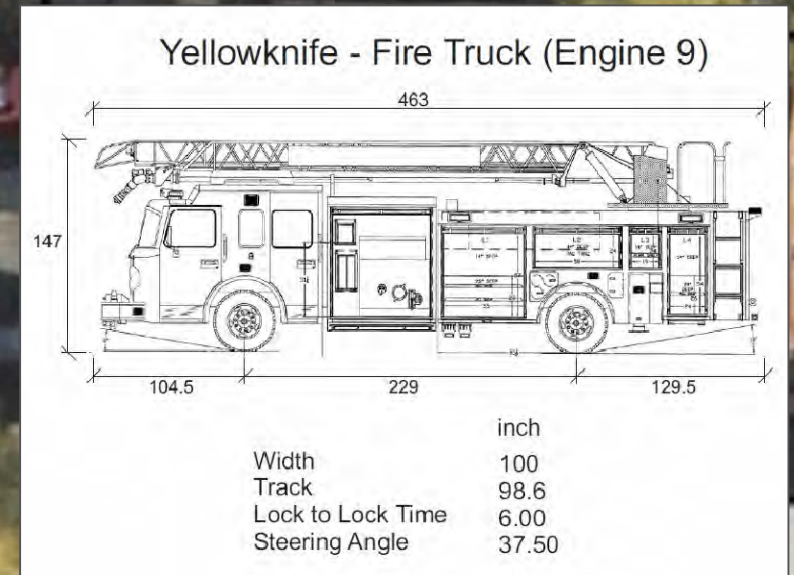
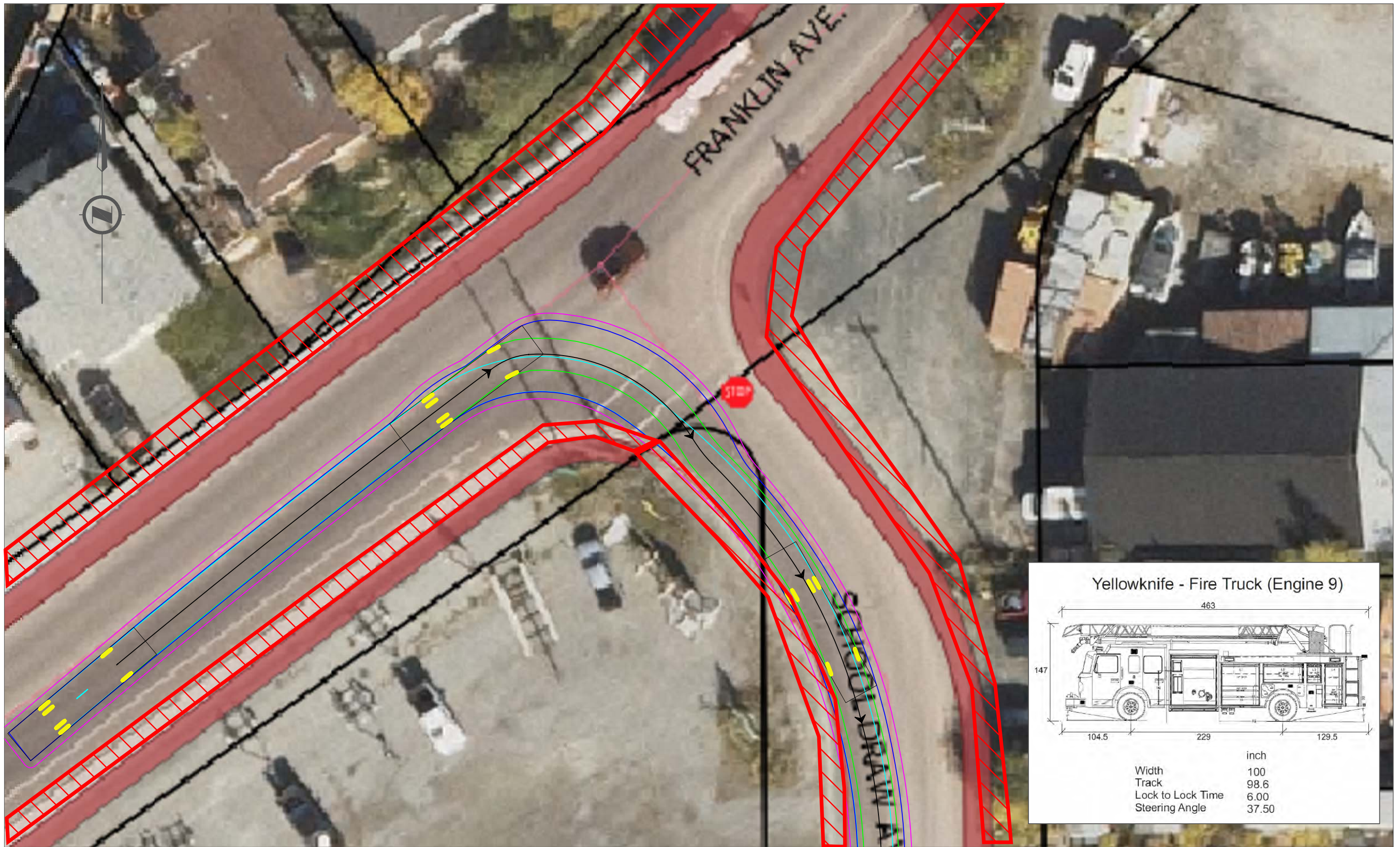
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	
Designed:	J.V.	Drawing Number:			7
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



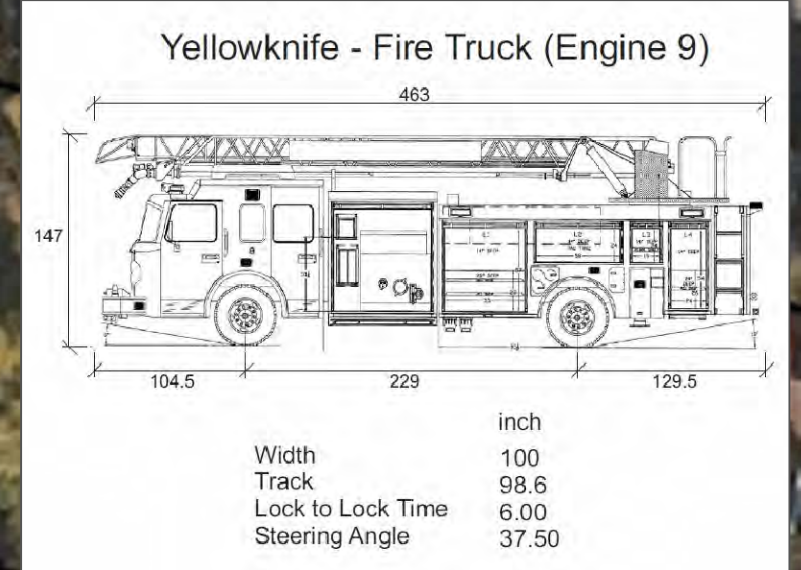
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	
Designed:	J.V.	Drawing Number:			8
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



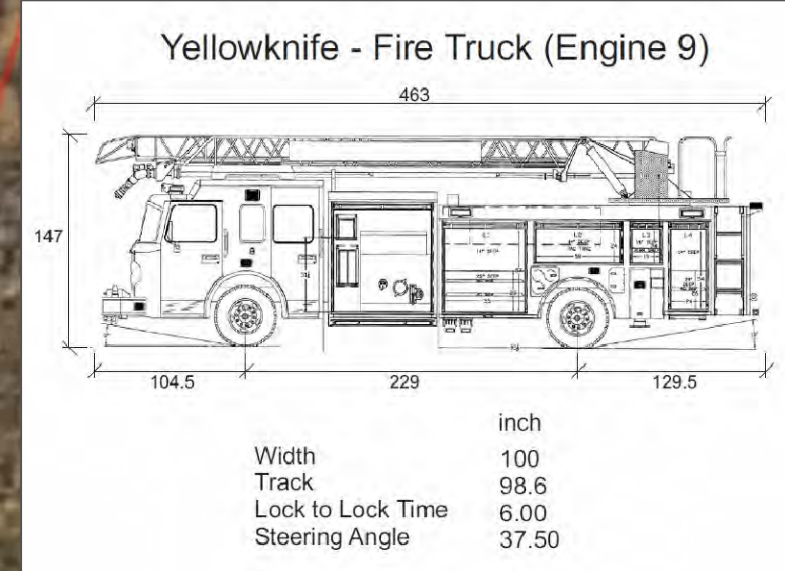
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	9
Designed:	J.V.	Drawing Number:					
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	26 NOV 2020			Revision No.:	0



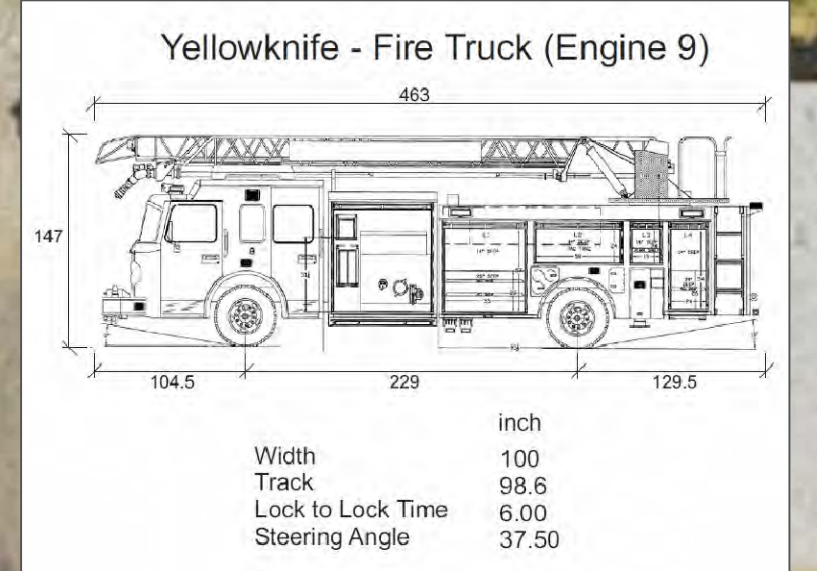
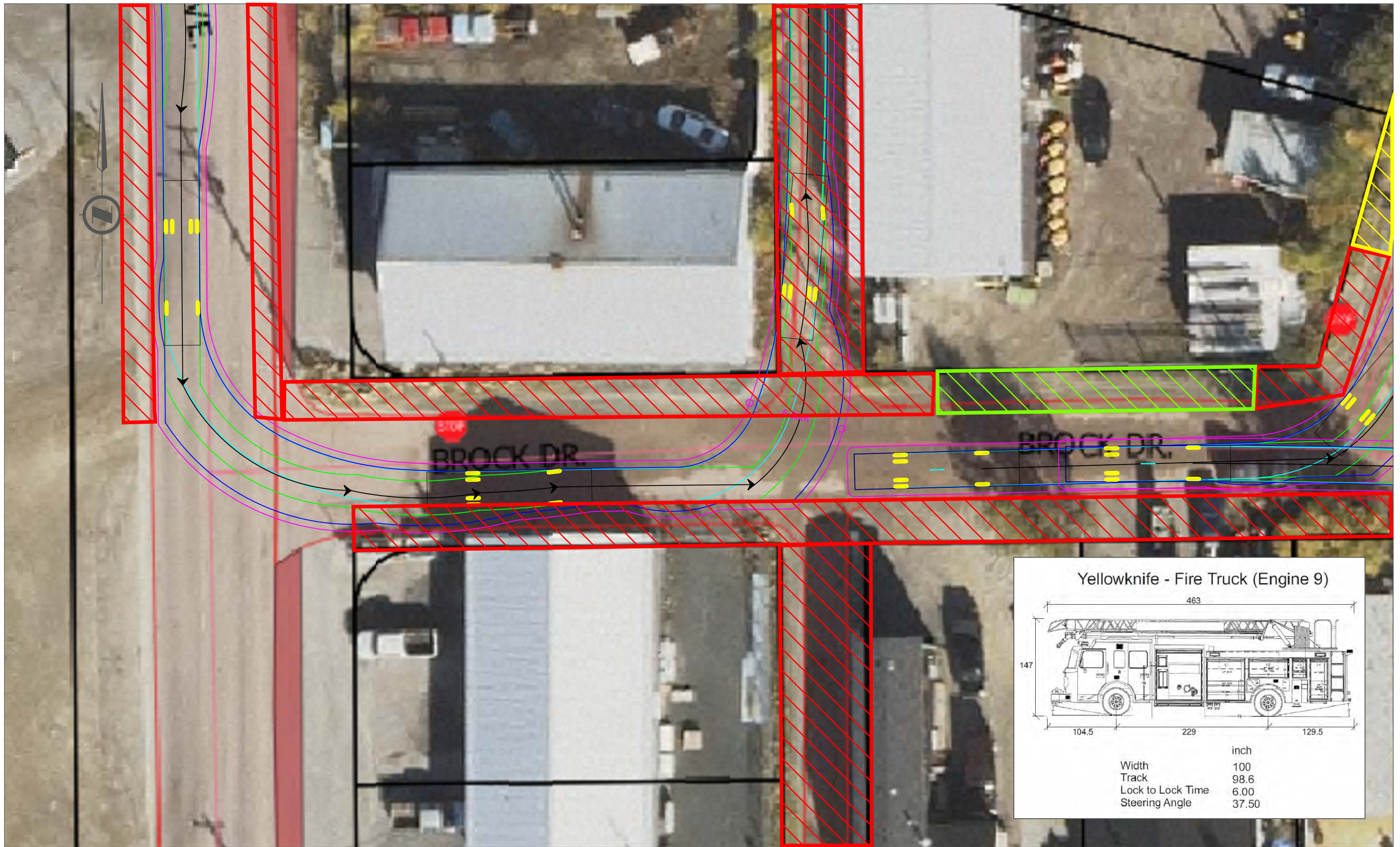
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	10
Designed:	J.V.	Drawing Number:					
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	26 NOV 2020			Revision No.:	0



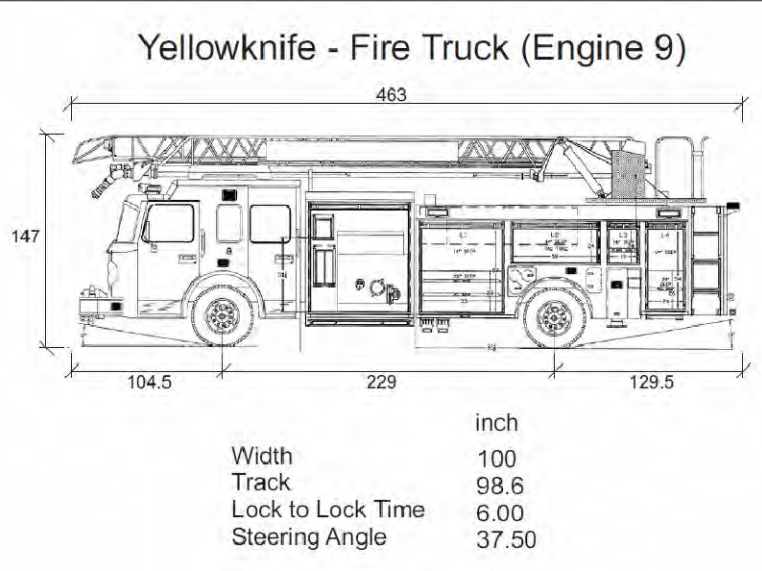
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No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability with Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	11
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



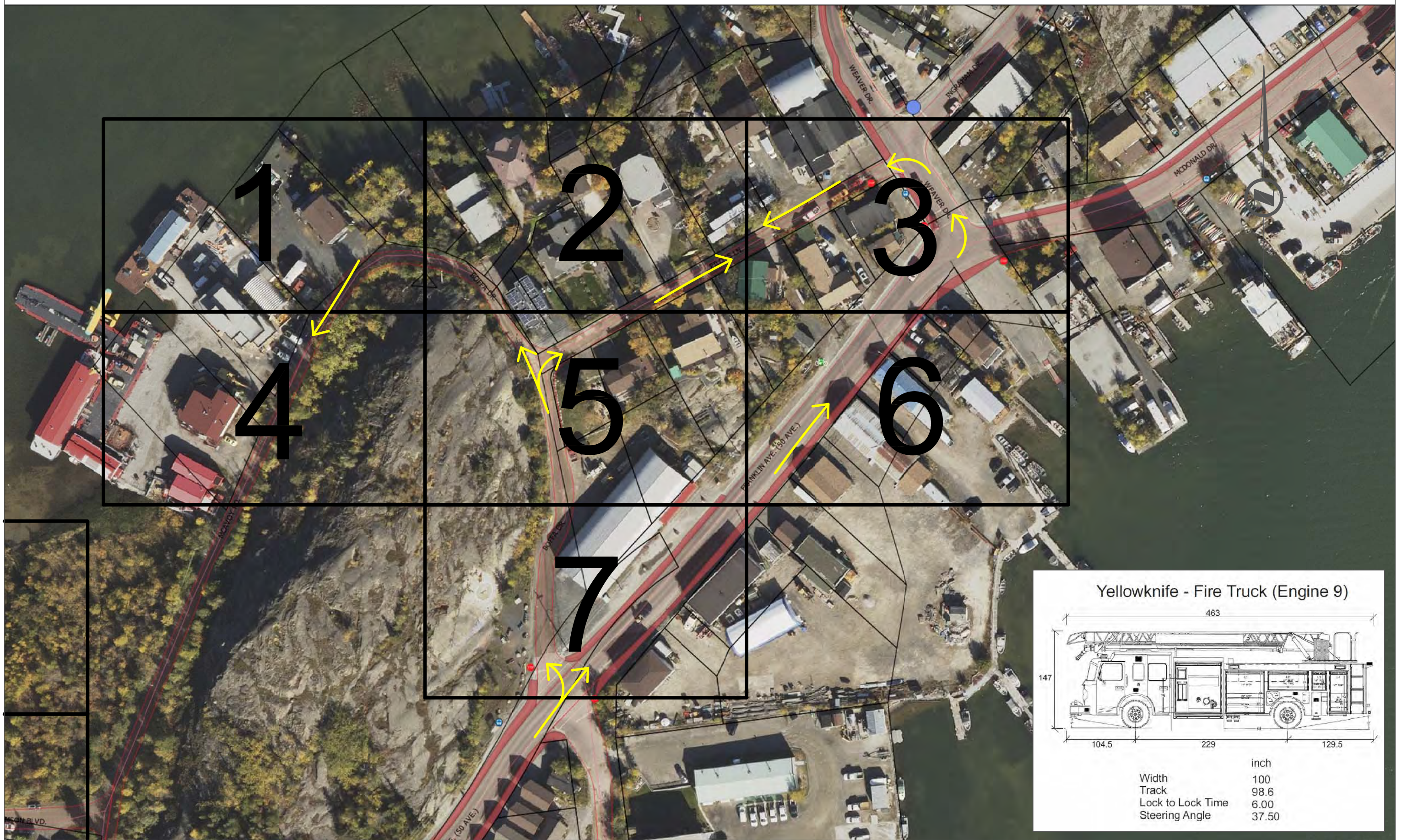
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 2**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	12
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	26 NOV 2020	Revision No.:	0



LEGEND

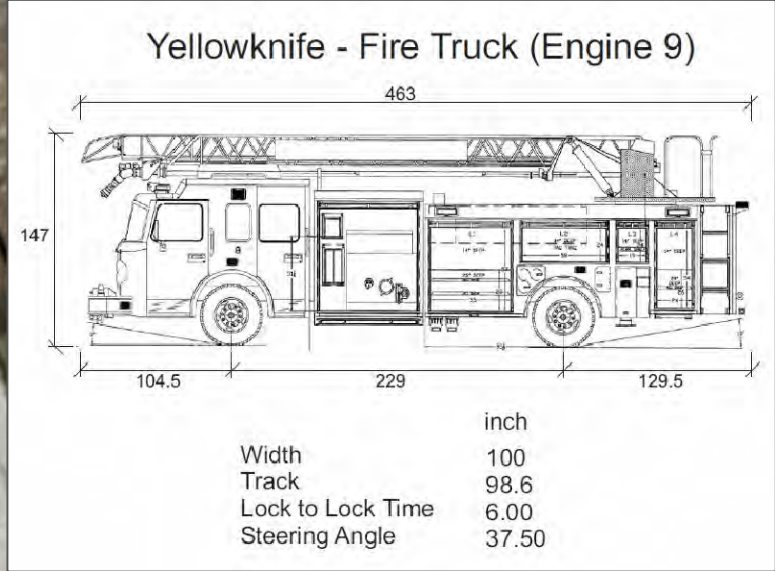
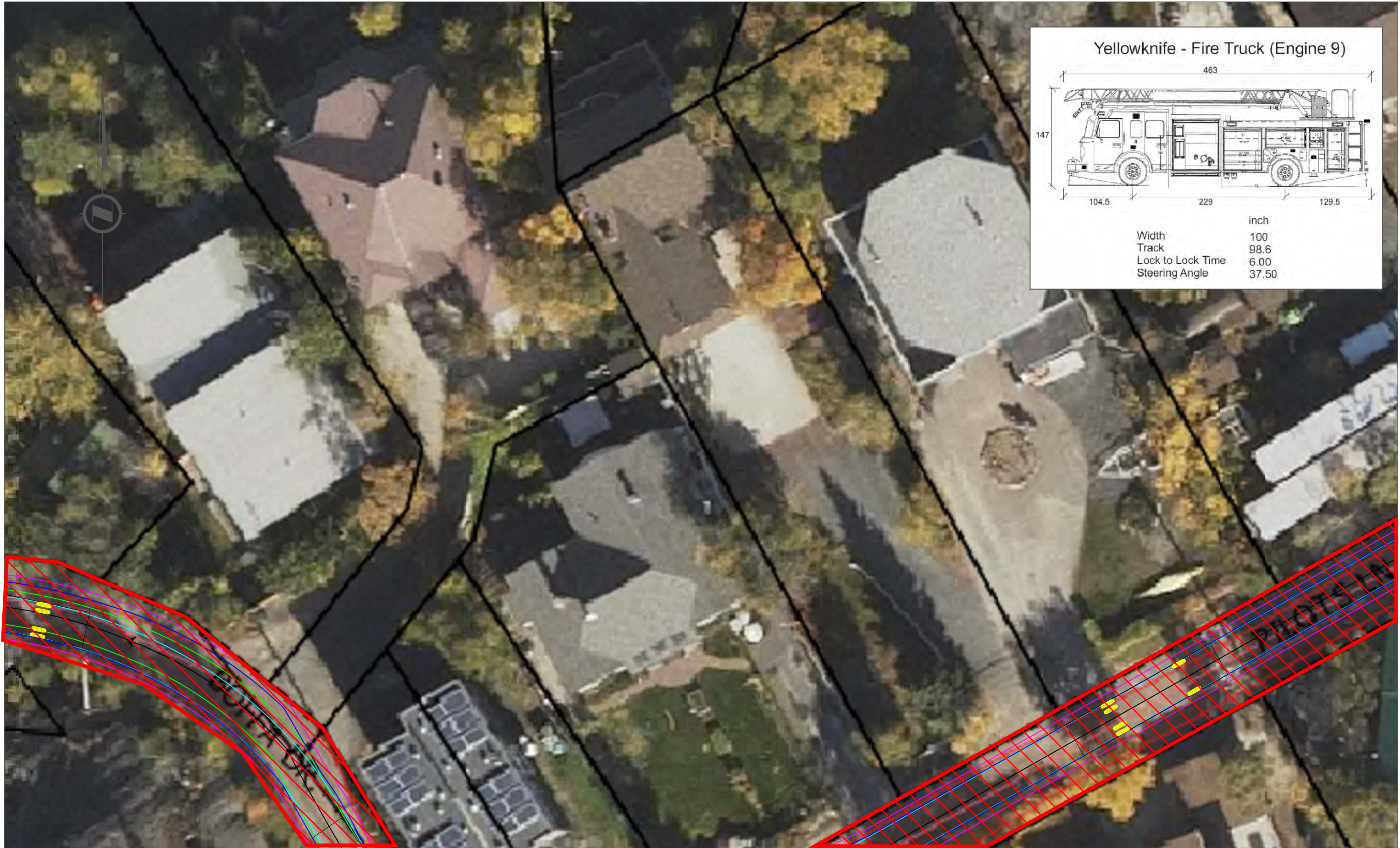
No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

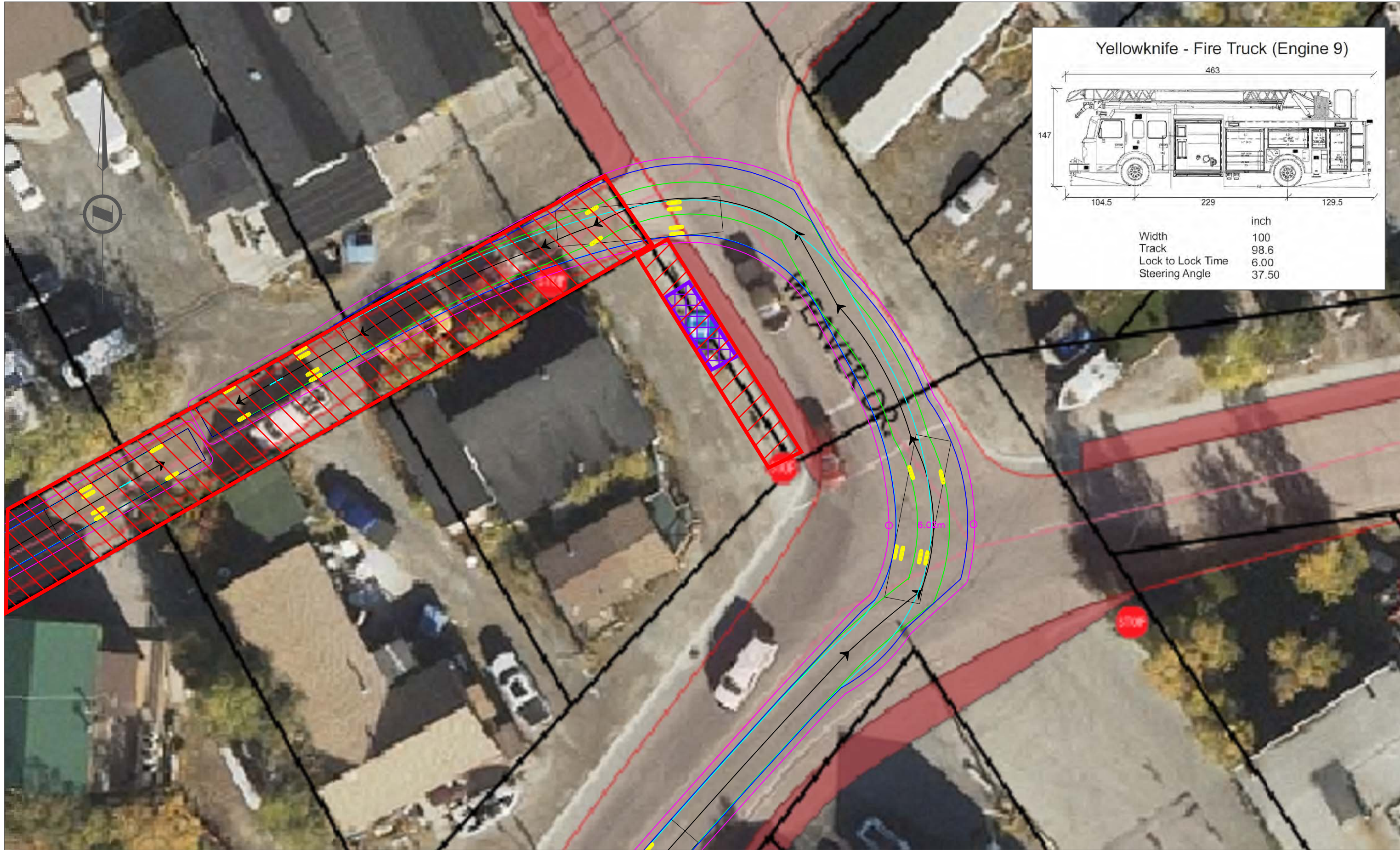
CTS Traffic Engineering Specialists
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FIRE TRUCK ENGINE 9
 SWEEP PATH – INDEX (AREA 3)
 OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawn:	R.C.	CTS Project Number:	7288	Revision No.:	0
Designed:	J.V.	Drawing Number:		Reviewed:	J.V.	Date:	13 NOV 2020				



<p>LEGEND</p> <p>No Parking Availability Front Tires </p> <p>Parking Availability Rear Tires </p> <p>Parking Availability w/Infrastructure Improvements Vehicle Body </p> <p>Existing No Parking Area 0.5m Body Clearance </p> <p> Conflict </p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISIONS</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS	DESCRIPTION	DATE	BY																					<p>CTS Traffic Engineering Specialists</p> <p>101A Kingsway Avenue, Port Coquitlam BC, Canada V3C 6C2 Tel: 604-936-6190</p>	<p>FIRE TRUCK ENGINE 9 SWEEP PATH – AREA 3</p> <hr/> <p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>	<p>Stamp:</p>	<p>Scale: NTS</p> <p>Designed: J.V.</p> <p>Drawn: R.C.</p> <p>Reviewed: J.V.</p>	<p>Project Number:</p> <p>Drawing Number:</p> <p>CTS Project Number: 7288</p> <p>Date: 13 NOV 2020</p>	<p>Drawing No: 2</p> <p>Revision No: 0</p>
	REVISIONS	DESCRIPTION	DATE	BY																											



Yellowknife - Fire Truck (Engine 9)

	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

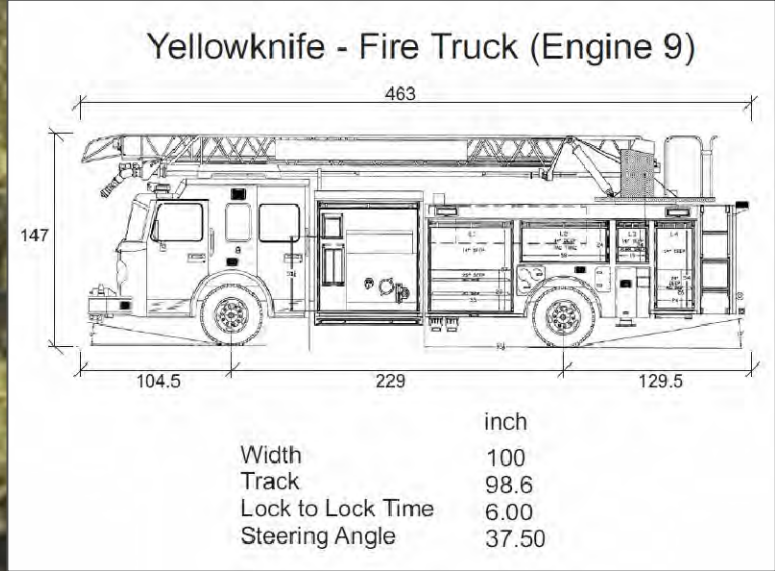
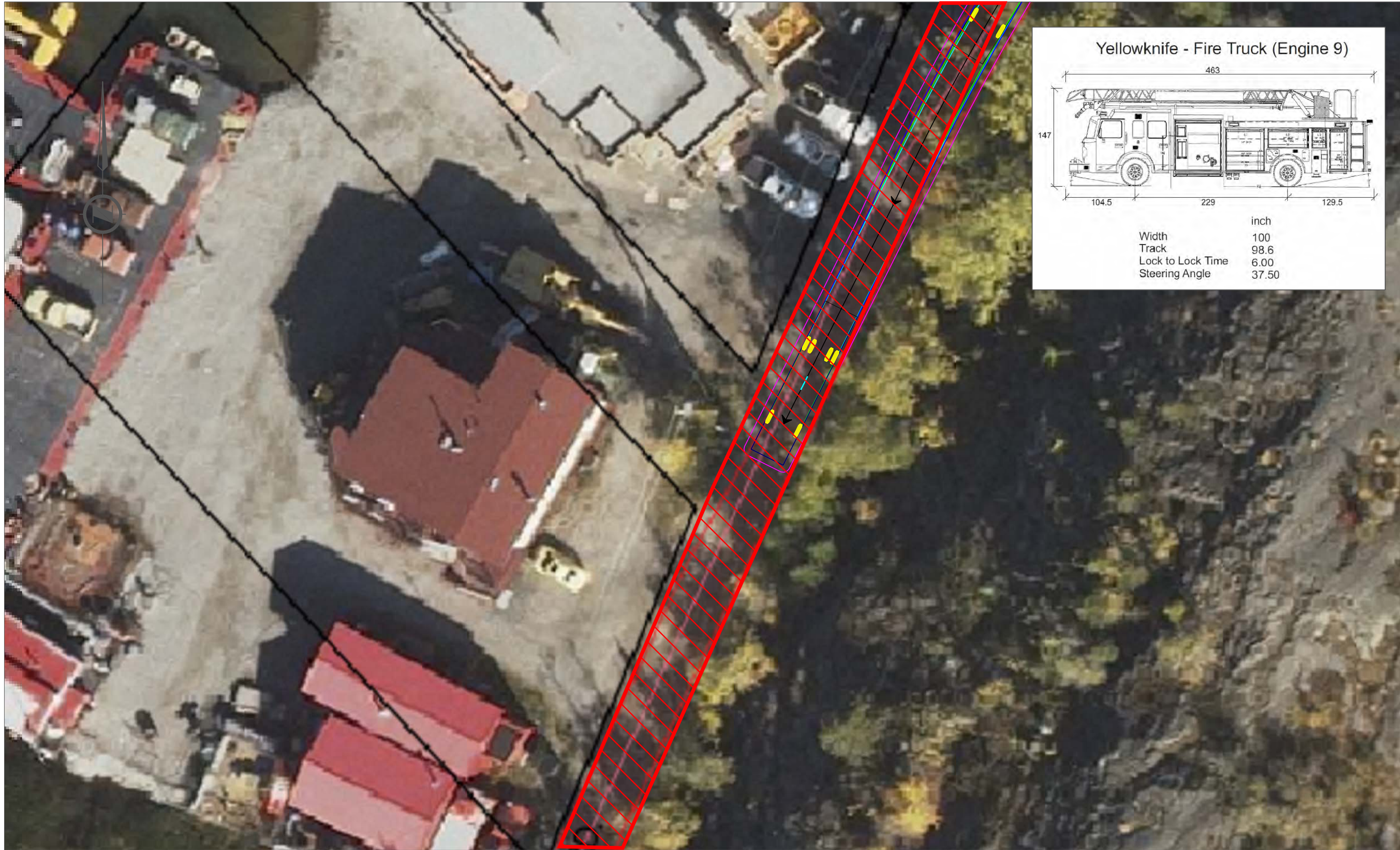
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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 3**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	3
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	13 NOV 2020	Revision No.:	0



LEGEND	
No Parking Availability	Front Tires
Parking Availability	Rear Tires
Parking Availability w/Infrastructure Improvements	Vehicle Body
Existing No Parking Area	0.5m Body Clearance
	Conflict

REVISIONS	DESCRIPTION	DATE	BY

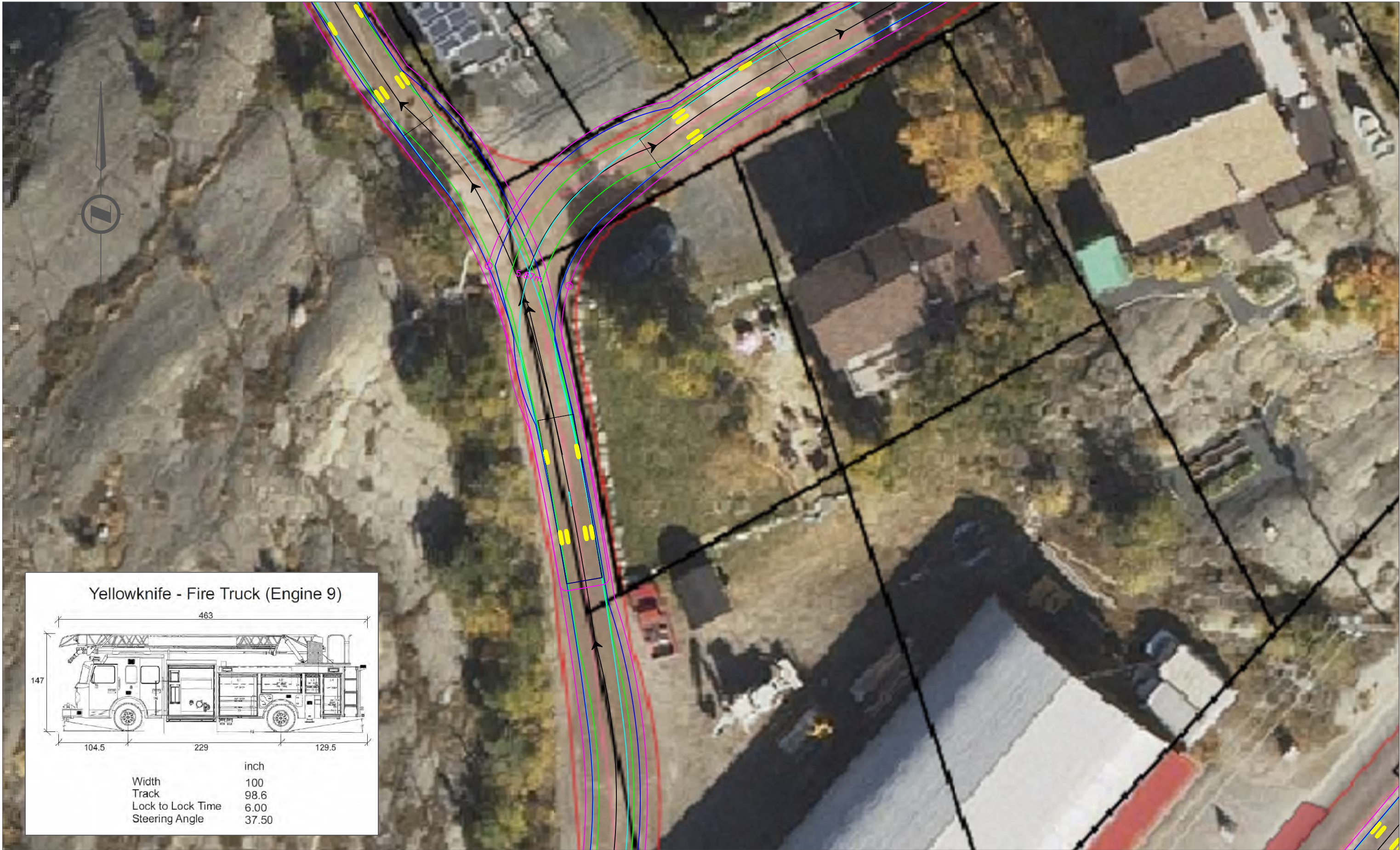
CTS Traffic Engineering Specialists
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FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 3

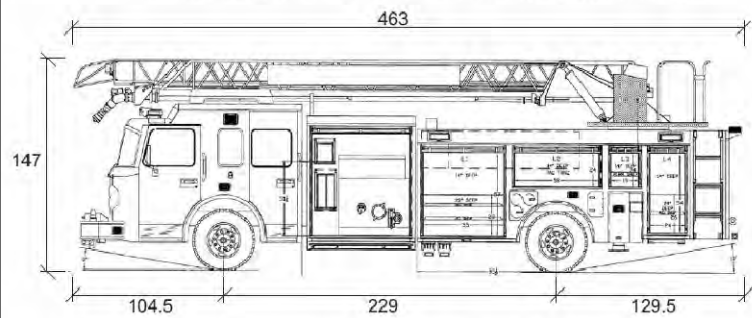
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		4
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	13 NOV 2020	Revision No.: 0



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

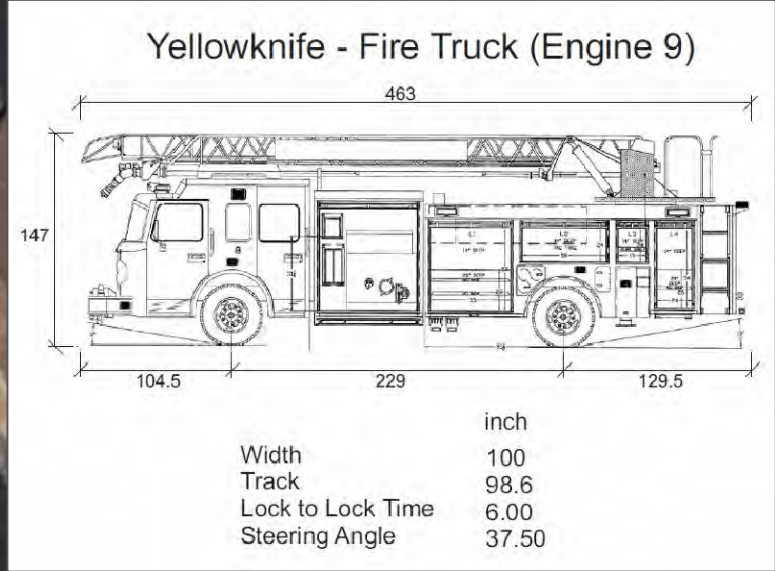
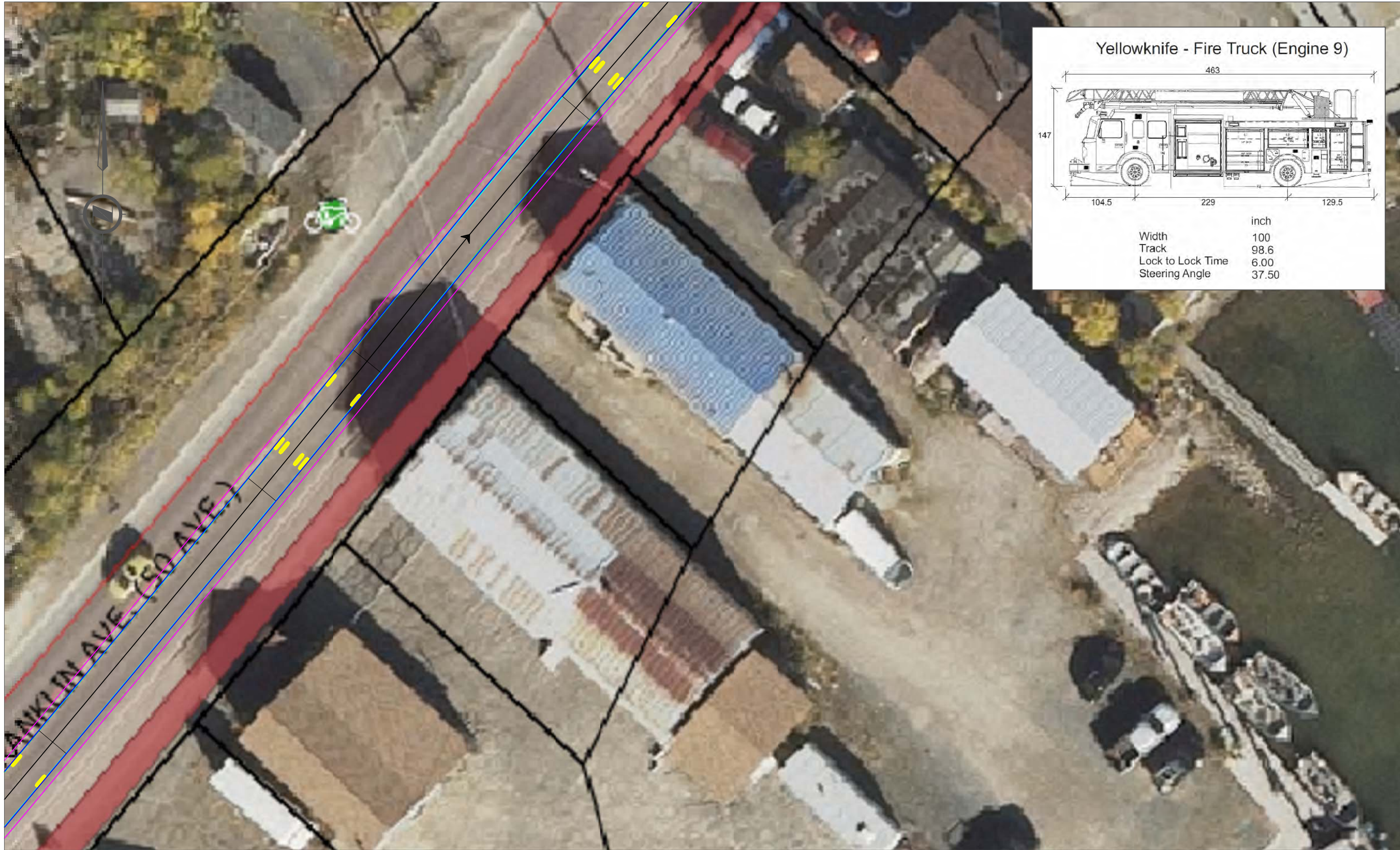
REVISIONS	DESCRIPTION	DATE	BY

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 3

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	5
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	13 NOV 2020	Revision No.:	0



LEGEND	
No Parking Availability	
Parking Availability	
Parking Availability w/Infrastructure Improvements	
Existing No Parking Area	
Front Tires	
Rear Tires	
Vehicle Body	
0.5m Body Clearance	
Conflict	

REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – AREA 3**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	6
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	13 NOV 2020	Revision No:	



Yellowknife - Fire Truck (Engine 9)

Width	100	inch
Track	98.6	
Lock to Lock Time	6.00	
Steering Angle	37.50	

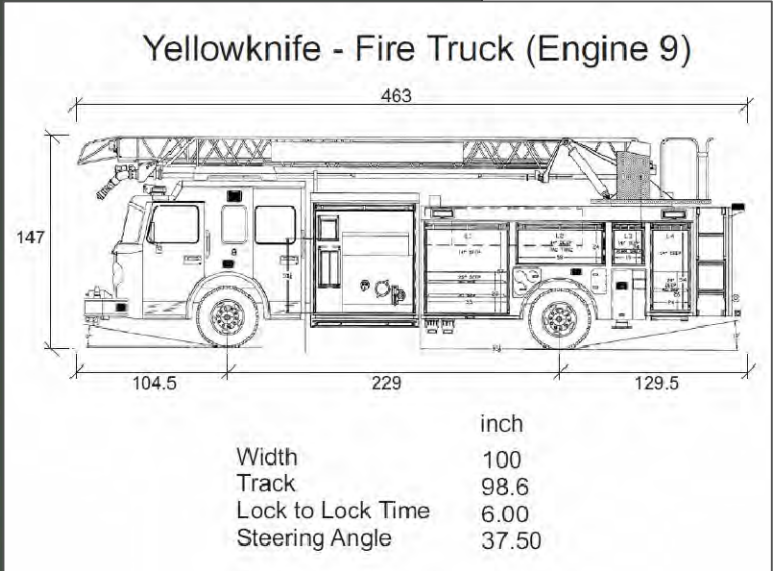
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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FIRE TRUCK ENGINE 9
 SWEEP PATH - AREA 3

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:	Scale: NTS	Project Number:	Drawing No: 7
	Designed: J.V.	Drawing Number:	
	Drawn: R.C.	CTS Project Number: 7288	
	Reviewed: J.V.	Date: 13 NOV 2020	Revision No: 0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

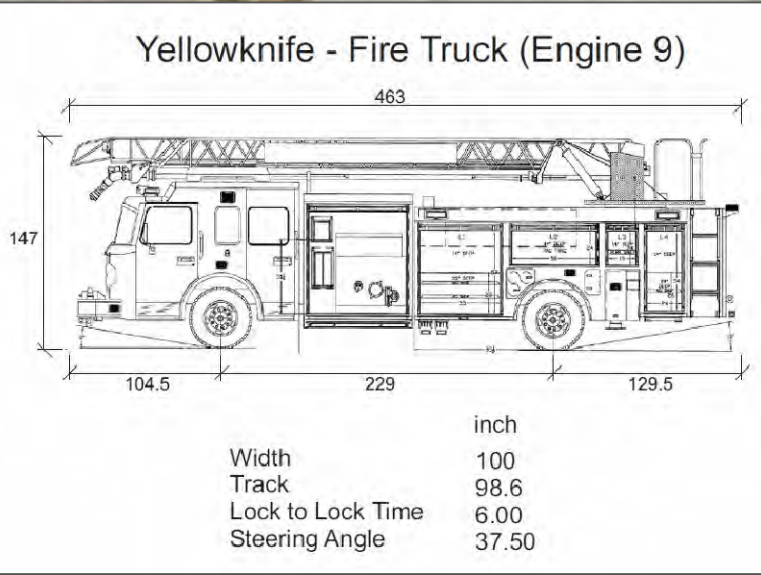
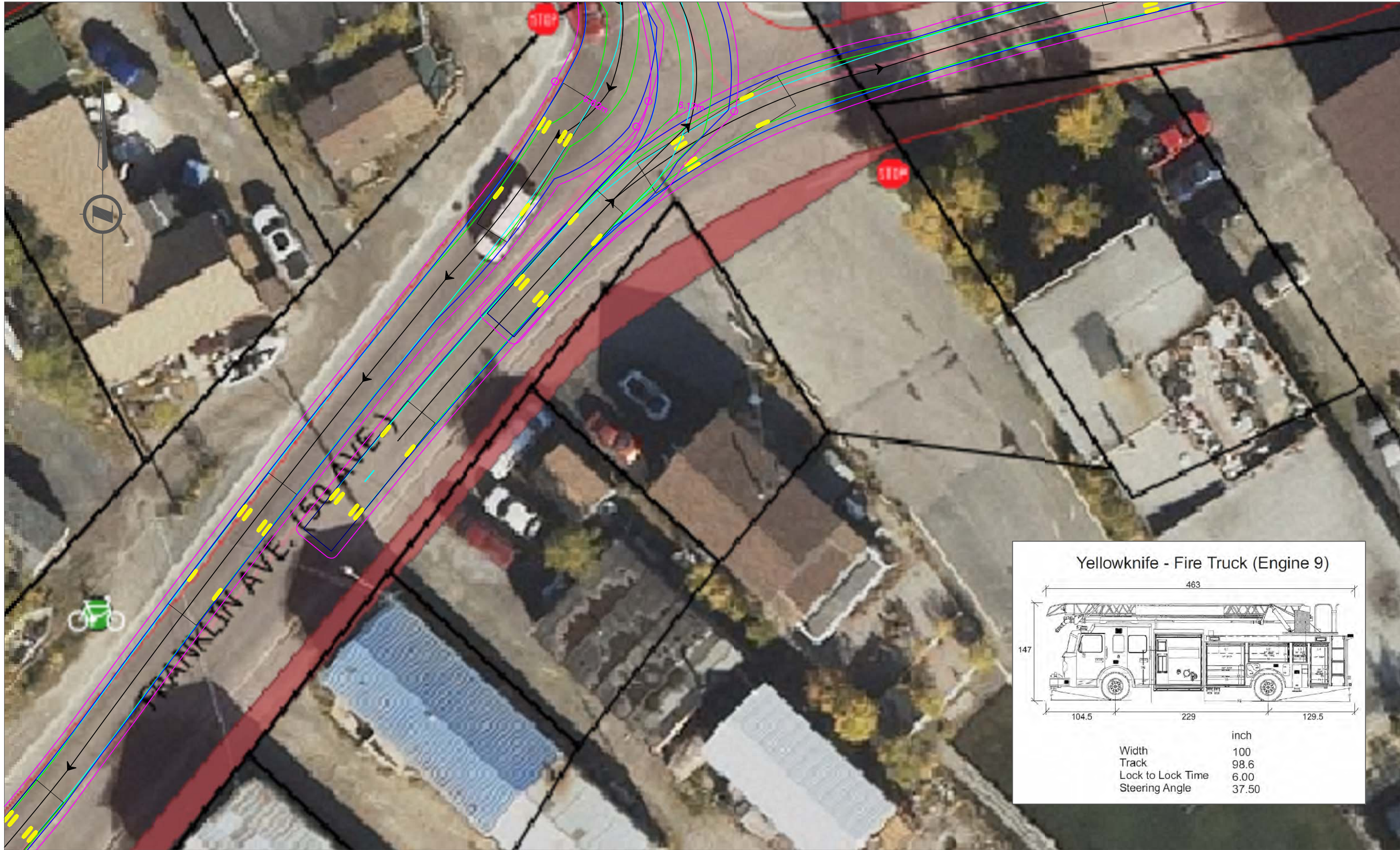
REVISIONS	DESCRIPTION	DATE	BY

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**FIRE TRUCK ENGINE 9
 SWEEP PATH – OVERALL AREA**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No: 0
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	Revision No.: 0
Reviewed:	J.V.	Date:	4 NOV 2020	



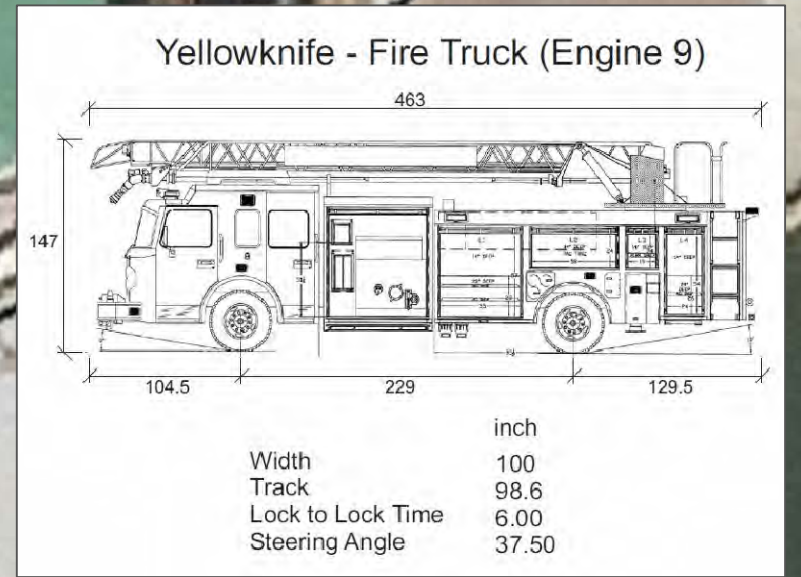
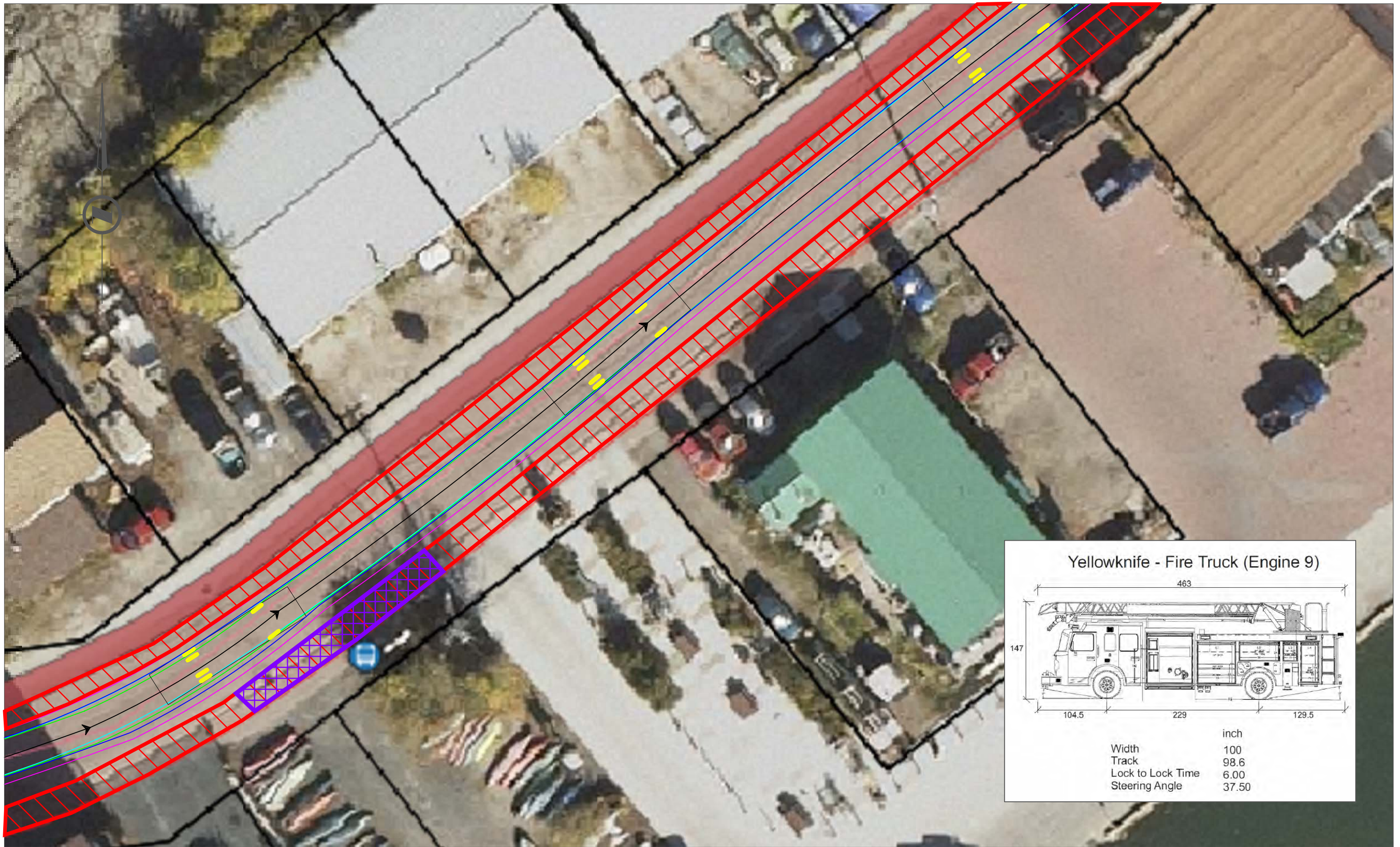
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

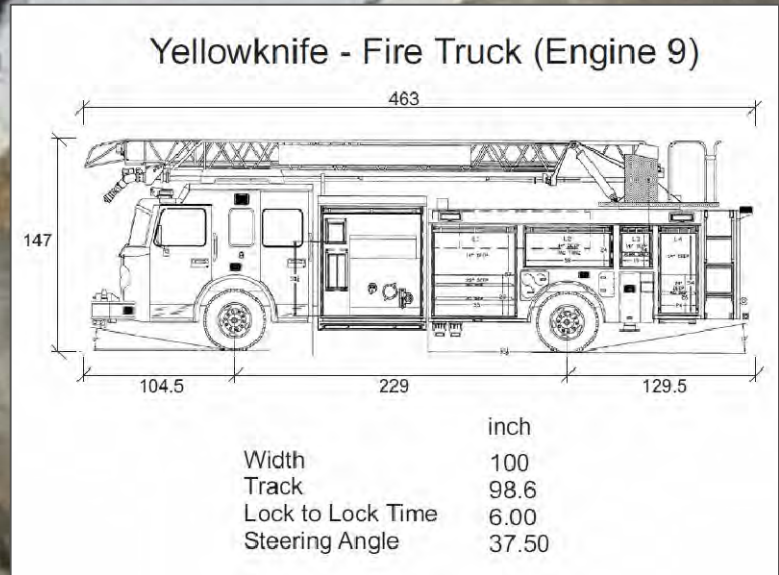
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Designed:	J.V.	Drawing Number:		1	
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
No Parking Availability					<p>Traffic Engineering Specialists 101A Kingsway Avenue, Port Coquitlam BC, Canada, V3C 6C2 Tel: 604-936-6190</p>		NTS		2
Parking Availability							J.V.		
Parking Availability w/Infrastructure Improvements							R.C.	7288	
Existing No Parking Area							J.V.	4 NOV 2020	Revision No.: 0

**FIRE TRUCK ENGINE 9
SWEPT PATH**

OLD TOWN ROAD NETWORK EMERGENCY
VEHICLE ACCESS & CIRCULATION REVIEW



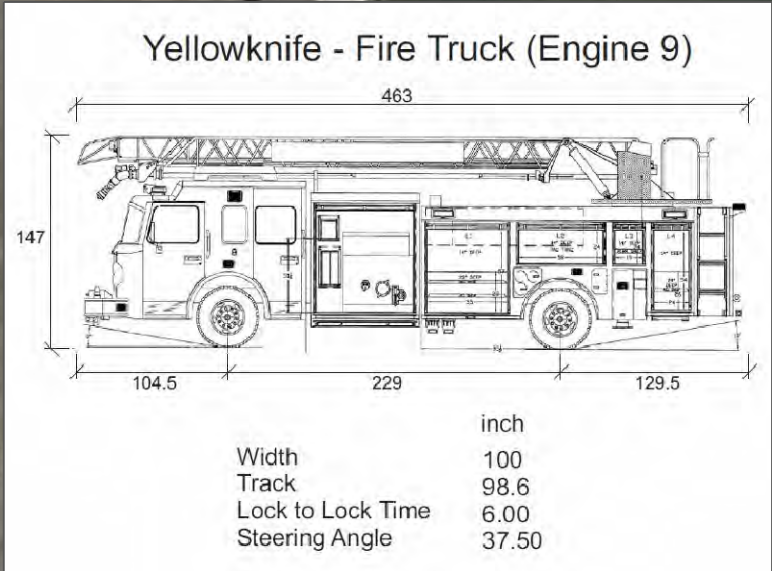
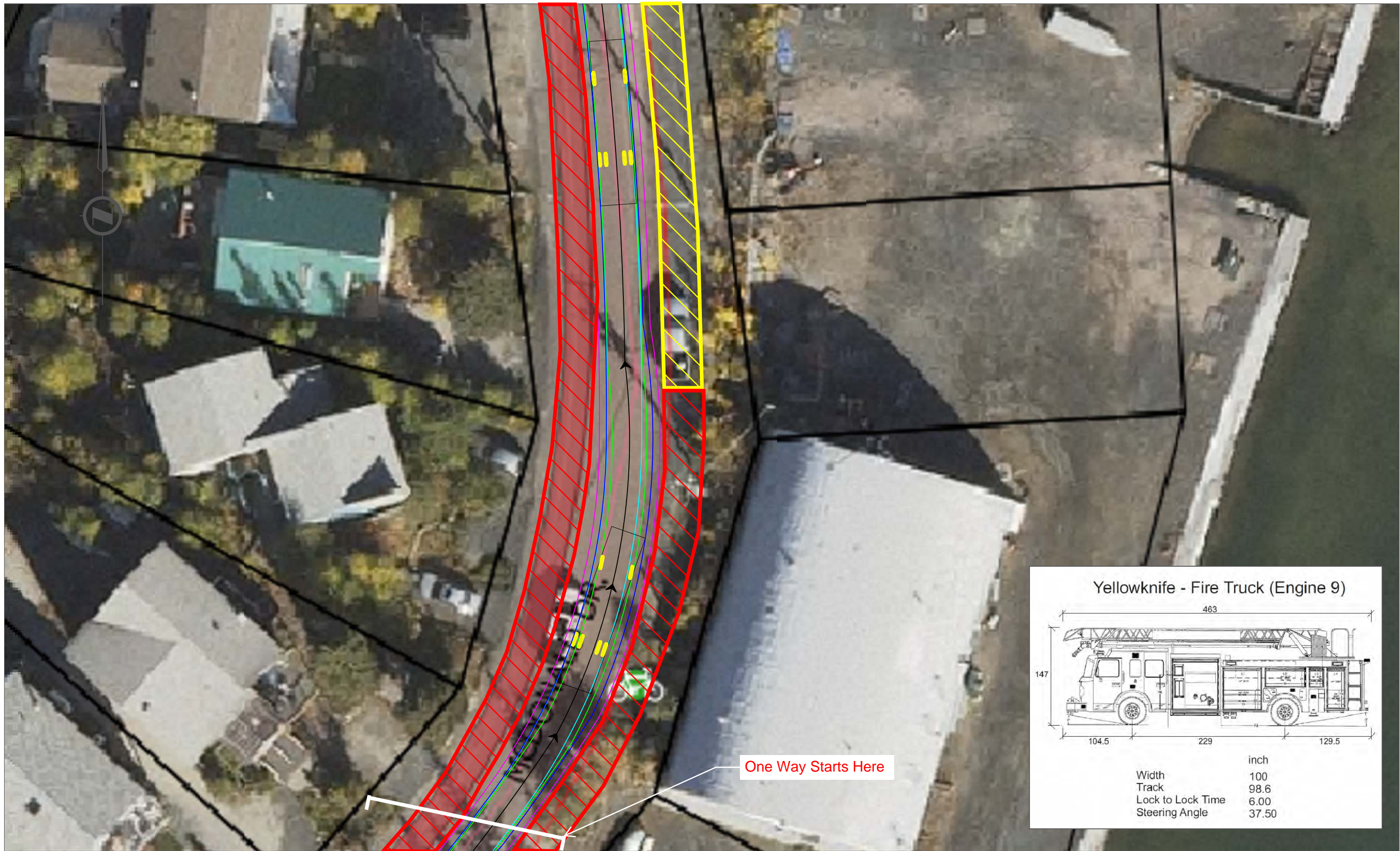
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

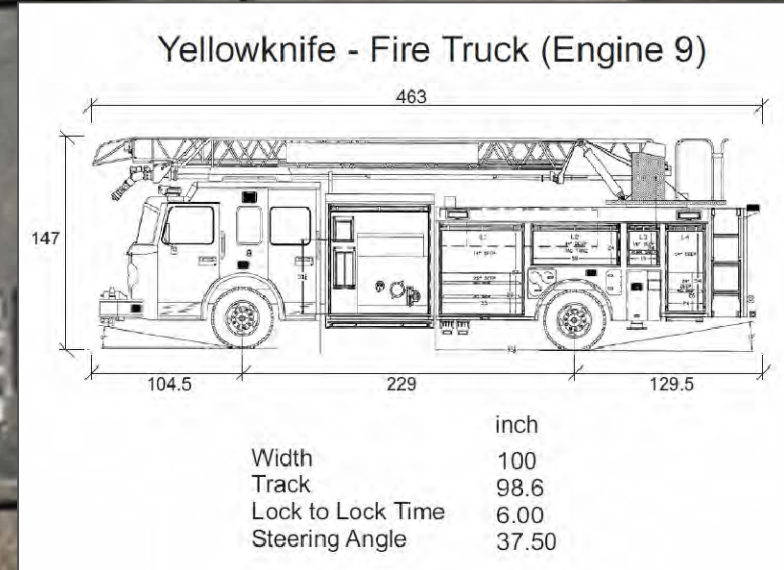
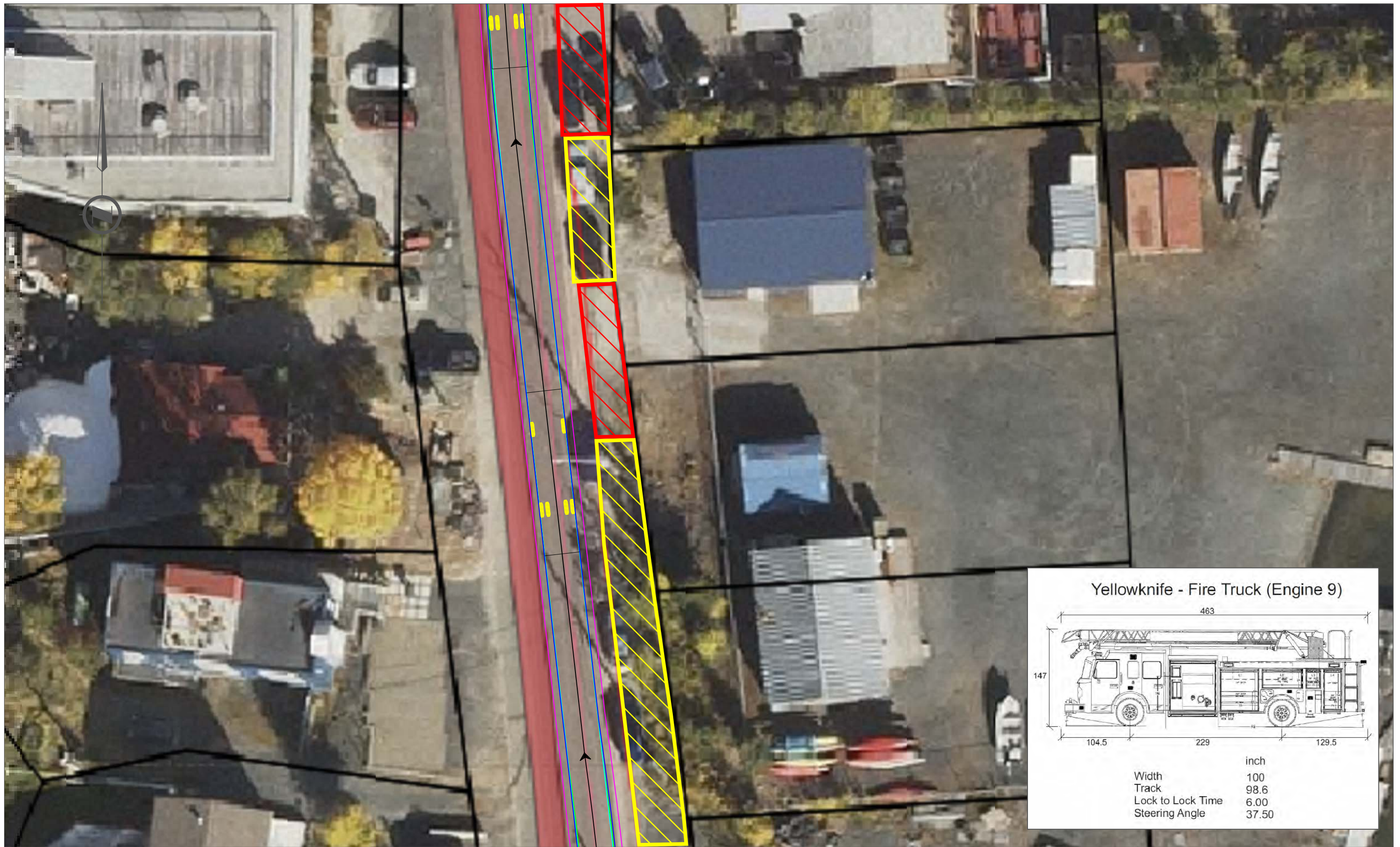
OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Scale:	NTS	Project Number:		Drawing No.:	
Designed:	J.V.	Drawing Number:								3	
Drawn:	R.C.	CTS Project Number:	7288								
Reviewed:	J.V.	Date:	4 NOV 2020							Revision No.:	0



One Way Starts Here

LEGEND	REVISIONS	DESCRIPTION	DATE	BY		Stamp:	Scale:	Project Number:	Drawing No.:
No Parking Availability					<p>CLS Traffic Engineering Specialists 101A Kingsway Avenue, Port Coquitlam BC, Canada, V3C 6C2 Tel: 604-936-6190</p>		NTS		4
Parking Availability							J.V.		
Parking Availability w/Infrastructure Improvements							R.C.	7288	
Existing No Parking Area							J.V.	4 NOV 2020	Revision No.: 0
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FIRE TRUCK ENGINE 9 SWEPT PATH OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW									



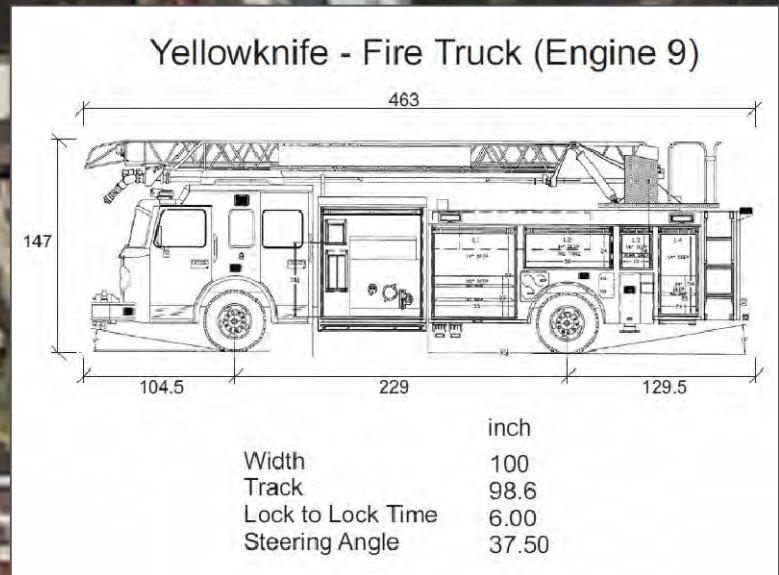
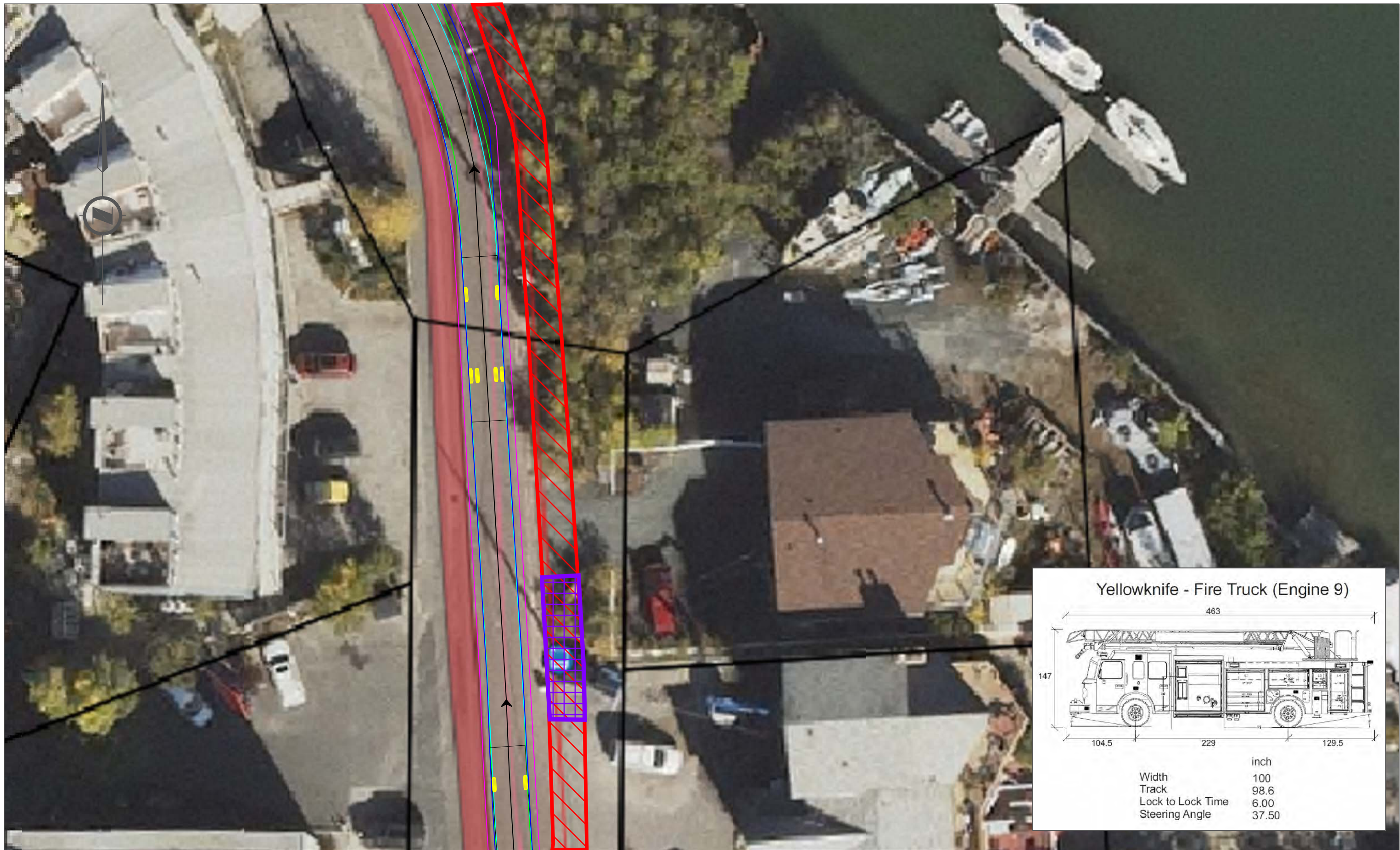
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Stamp:		Drawing No.:	
Designed:	J.V.	Drawing Number:				5	
Drawn:	R.C.	CTS Project Number:	7288				
Reviewed:	J.V.	Date:	4 NOV 2020				Revision No.: 0



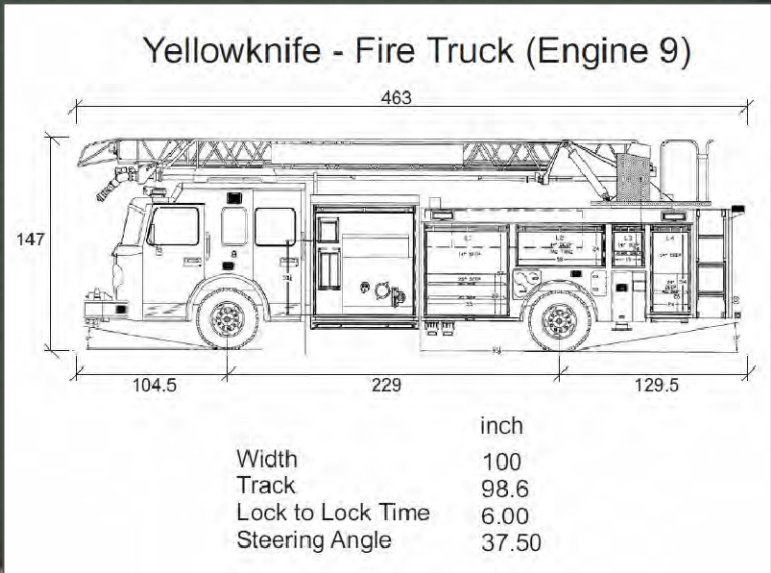
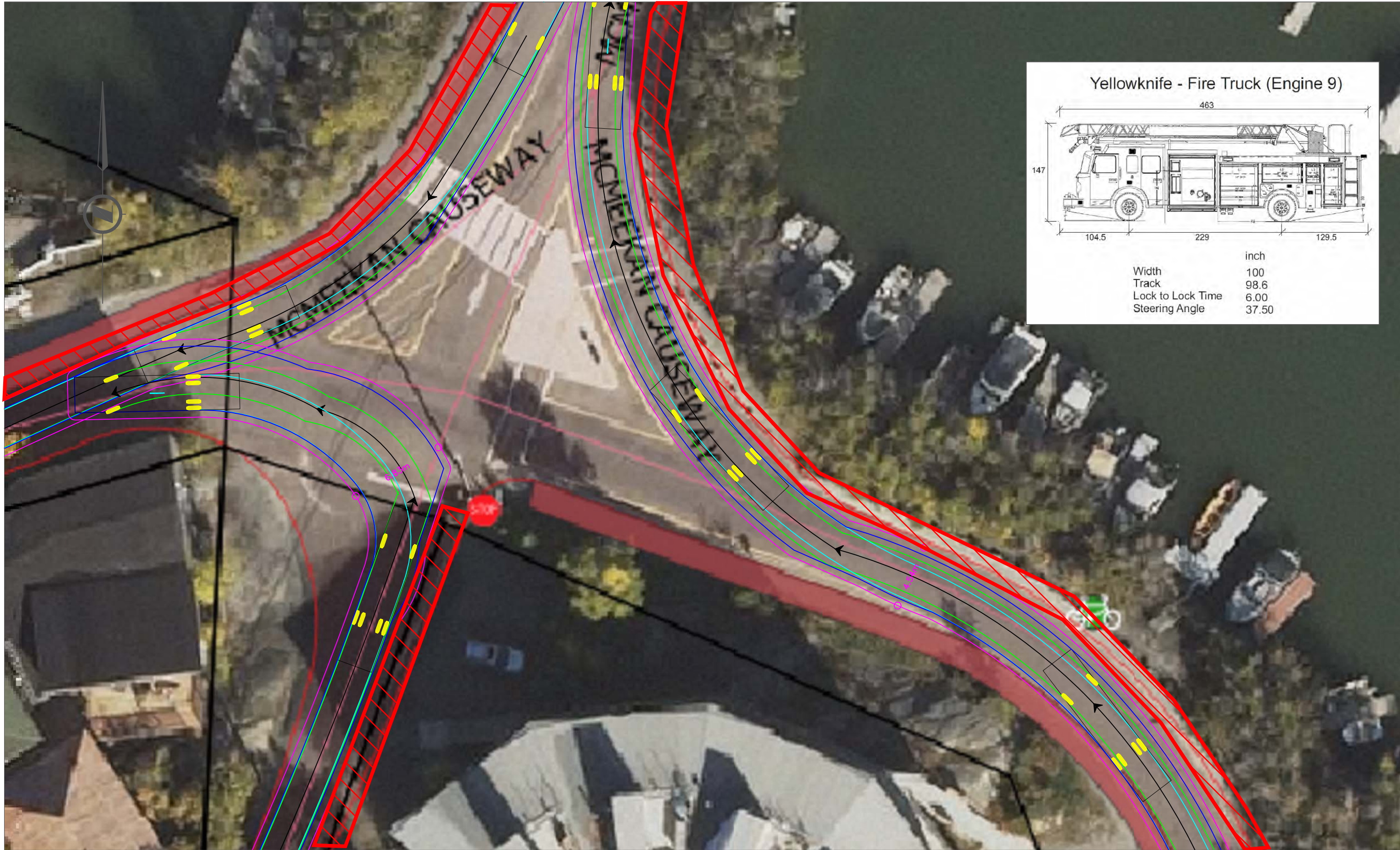
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No: 6
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.: 0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

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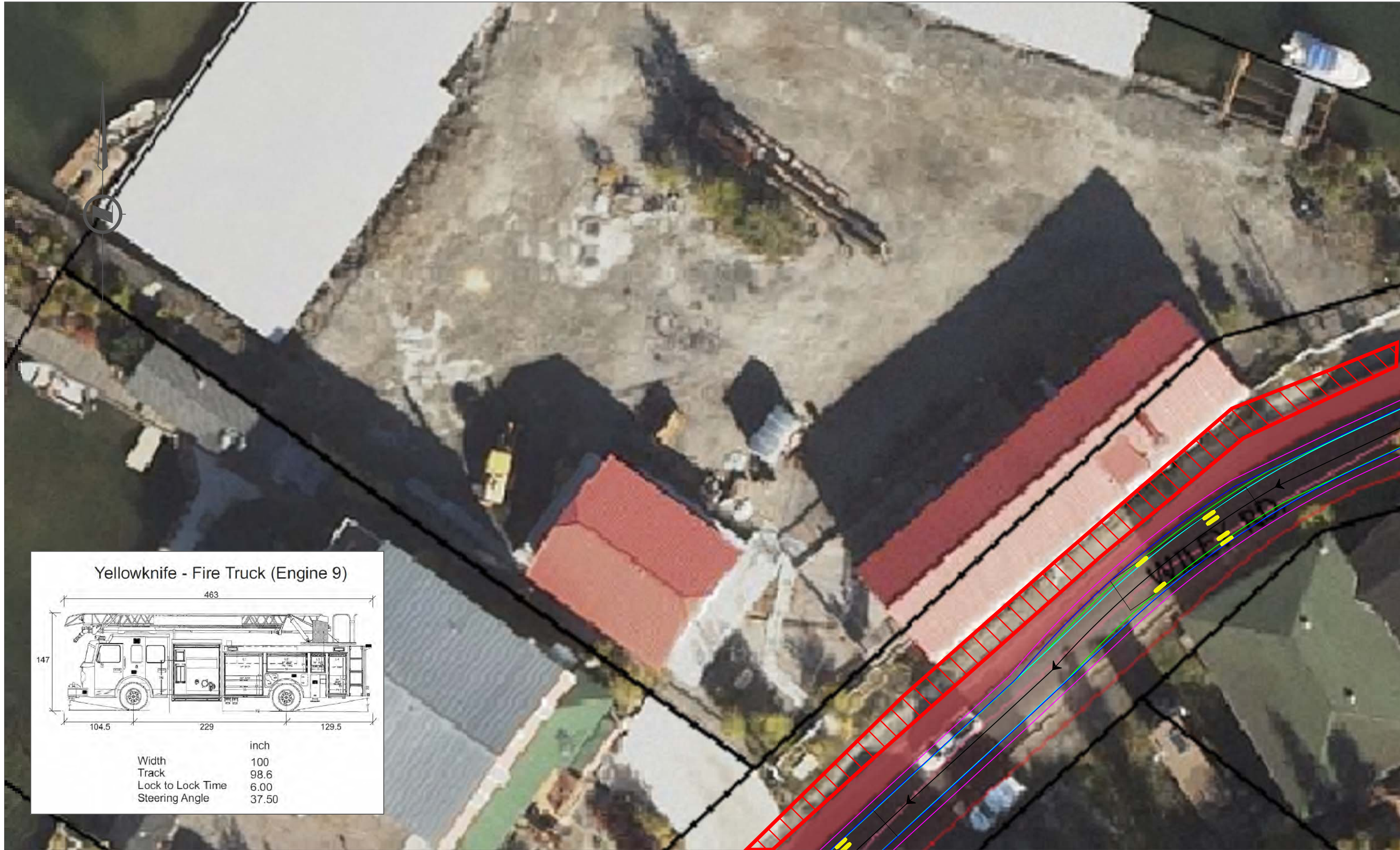
**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

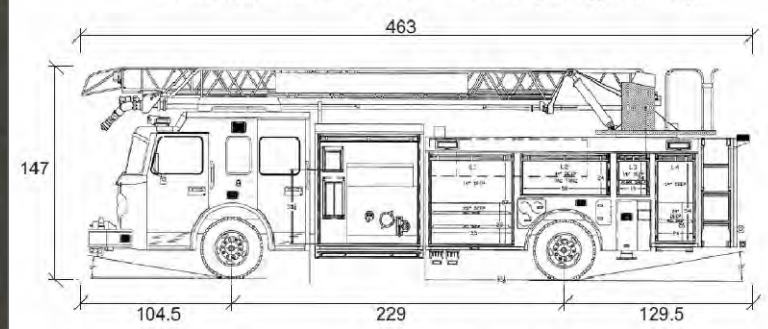
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Scale:	NTS	Project Number:	
Designed:	J.V.	Drawing Number:	
Drawn:	R.C.	CTS Project Number:	7288
Reviewed:	J.V.	Date:	4 NOV 2020

Drawing No: **7**
 Revision No: **0**



Yellowknife - Fire Truck (Engine 9)



	inch
Width	100
Track	98.6
Lock to Lock Time	6.00
Steering Angle	37.50

LEGEND

- No Parking Availability Front Tires
- Parking Availability Rear Tires
- Parking Availability w/Infrastructure Improvements Vehicle Body
- Existing No Parking Area 0.5m Body Clearance
- Conflict

REVISIONS	DESCRIPTION	DATE	BY

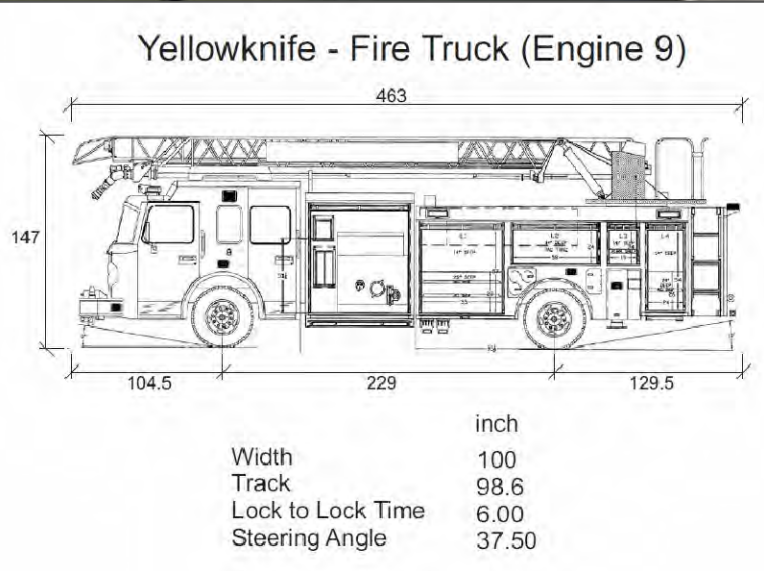
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FIRE TRUCK ENGINE 9
 SWEEP PATH

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	8
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No:	0



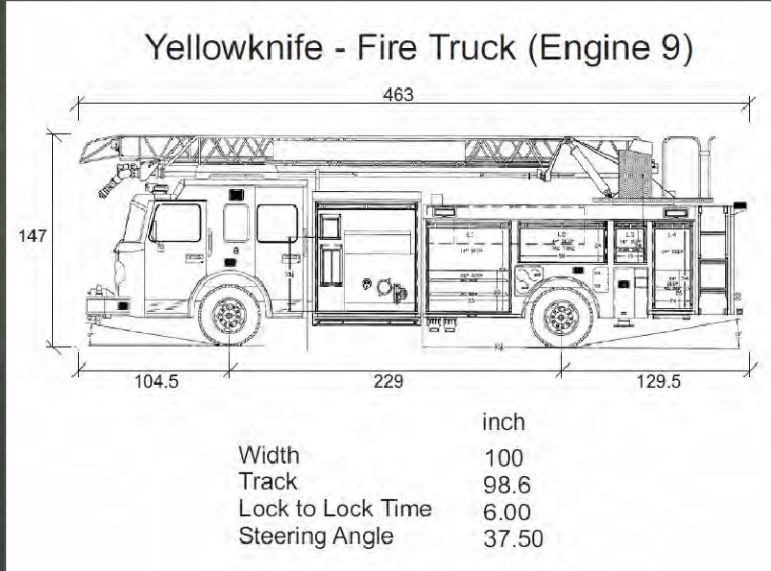
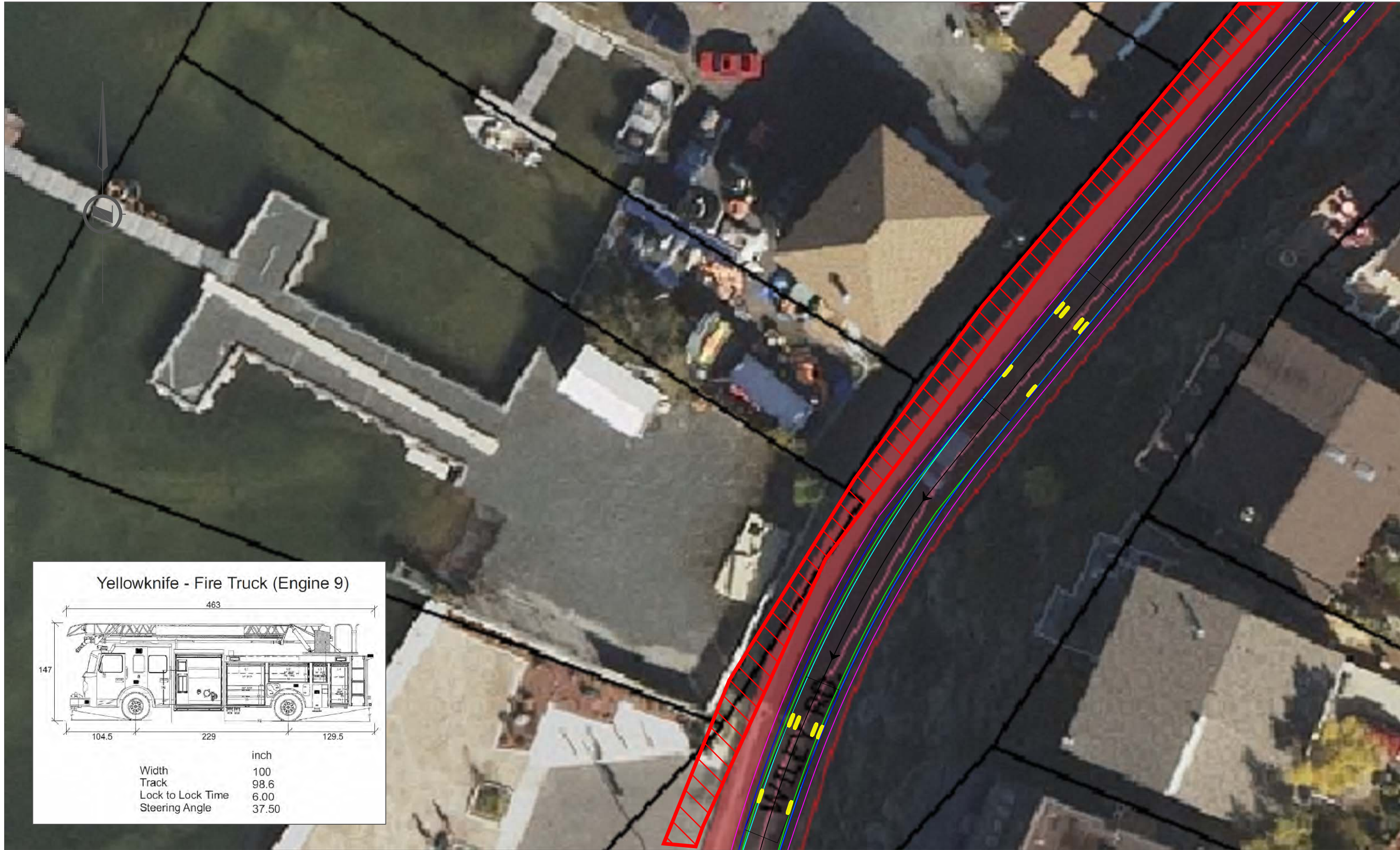
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No.:	9
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



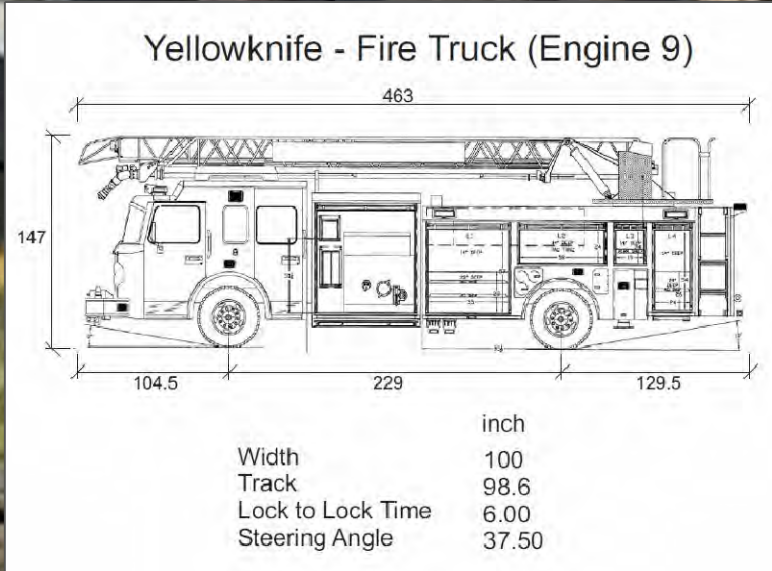
LEGEND		REVISIONS	DESCRIPTION	DATE	BY
No Parking Availability			Front Tires		
Parking Availability			Rear Tires		
Parking Availability w/Infrastructure Improvements			Vehicle Body		
Existing No Parking Area			0.5m Body Clearance		
			Conflict		

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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Scale:	NTS	Project Number:		Drawing No:	10
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No:	0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

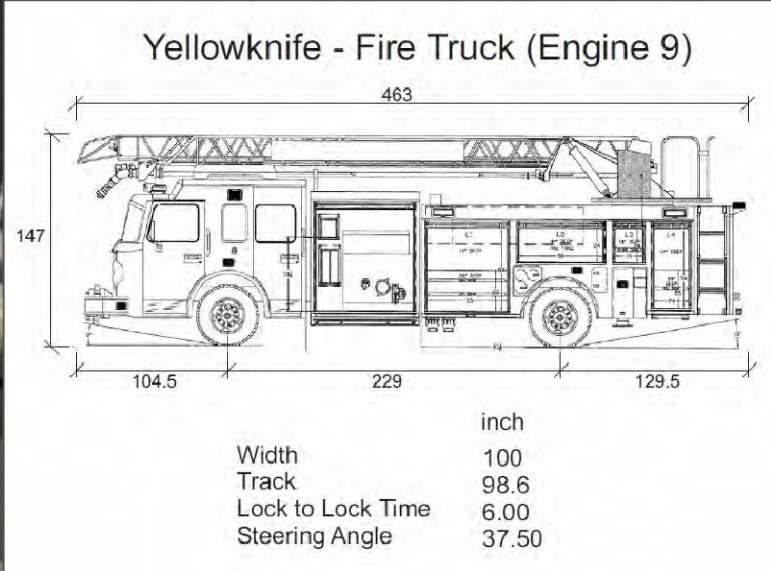
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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	11
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

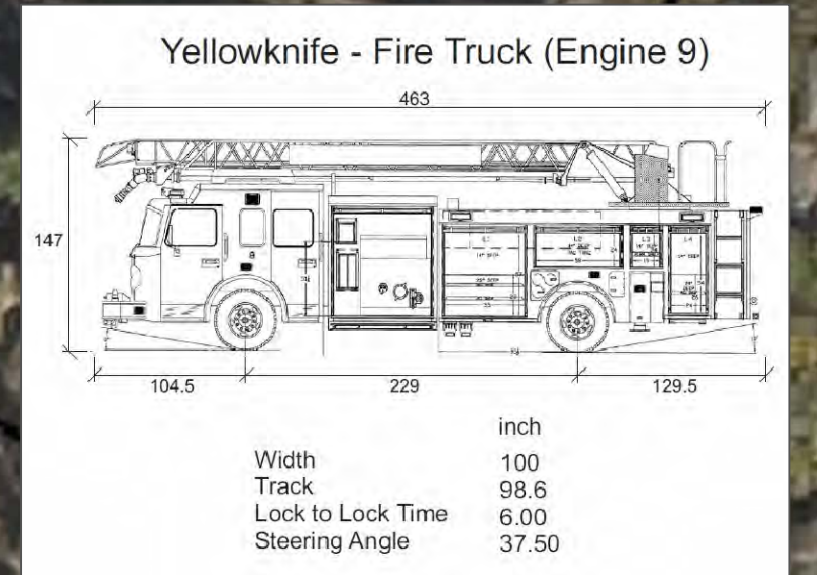
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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No:	12
Designed:	J.V.	Drawing Number:			
Drawn:	R.C.	CTS Project Number:	7288		
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.:	0



LEGEND

No Parking Availability		Front Tires	
Parking Availability		Rear Tires	
Parking Availability w/Infrastructure Improvements		Vehicle Body	
Existing No Parking Area		0.5m Body Clearance	
		Conflict	

REVISIONS	DESCRIPTION	DATE	BY

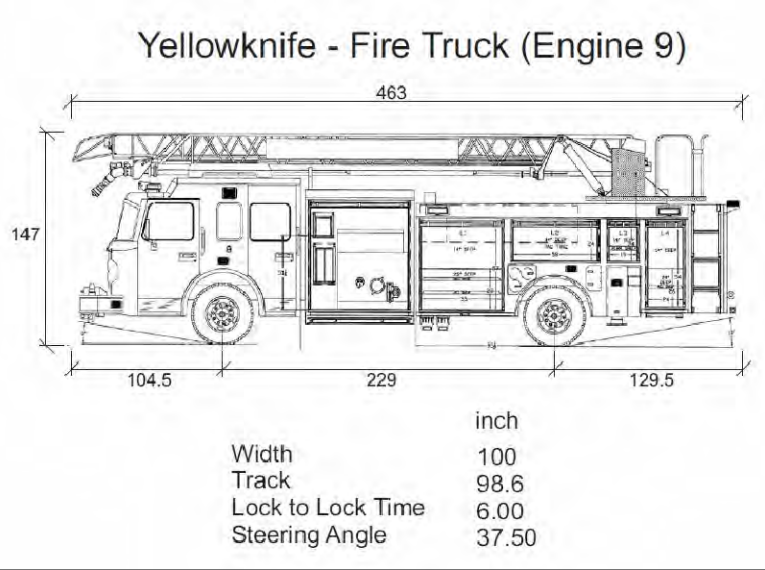
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**FIRE TRUCK ENGINE 9
 SWEEP PATH**

OLD TOWN ROAD NETWORK EMERGENCY
 VEHICLE ACCESS & CIRCULATION REVIEW

Stamp:

Scale:	NTS	Project Number:		Drawing No: 14
Designed:	J.V.	Drawing Number:		
Drawn:	R.C.	CTS Project Number:	7288	
Reviewed:	J.V.	Date:	4 NOV 2020	Revision No.: 0



LEGEND	REVISIONS	DESCRIPTION	DATE	BY	Stamp	Scale:	Project Number:	Drawing No.:
No Parking Availability						NTS		
Parking Availability						Designed:		15
Parking Availability w/Infrastructure Improvements						Drawn:		
Existing No Parking Area						Reviewed:		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Front Tires</p> <p>Rear Tires</p> <p>Vehicle Body</p> <p>0.5m Body Clearance</p> <p>Conflict</p> </div> <div style="width: 30%;"> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> </div> <div style="width: 30%;"> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> </div> </div>								
<p>CTS Traffic Engineering Specialists 101A Kingsway Avenue, Port Coquitlam BC, Canada, V3C 6C2 Tel: 604-936-6190</p>					<p>FIRE TRUCK ENGINE 9 SWEPT PATH</p>		<p>CTS Project Number: 7288</p>	
					<p>OLD TOWN ROAD NETWORK EMERGENCY VEHICLE ACCESS & CIRCULATION REVIEW</p>		<p>Date: 4 NOV 2020</p>	
								Revision No.: 0

APPENDIX C: JURISDICTIONAL ANALYSIS OF RESIDENTIAL PARKING PASS PROGRAMS

Town of Banff

- Two hour parking time limit for everyone, residential parking permit holders exempted. In place year round, 24 hours.
- \$50.00 fee
- Valid for 1 year
- Guest passes- two per dwelling unit at a time, limited to 10 per month. No charge.
- Qualifier: 1 pass per residence.

Town of Jasper

- Residential parking passes available for residents one block away from major tourist areas. In place from 9:00 am to 5:00 pm.
- Free
- Guest passes- two per dwelling unit at a time; \$5 dollar fee for guest passes for Bed and Breakfasts

City of Saint John

- Two hour parking time limit for everyone, residential parking permit holders exempted. In place year round, 24 hours.
- \$60.00 fee
- Valid for 1 year
- One vehicle/dwelling unit
- Temporary Residential Zone Parking Permits available for guests- 7.00/vehicle
- Qualifier: Must have no off-street parking available to the resident.

City of Prince George

- Varying parking time limits for everyone, residential parking permit holders exempted. In place year round, 24 hours.
- Free
- Valid for 1 year
- Two vehicles/dwelling unit
- Guest Passes- 1 per dwelling unit at a time, valid for 2 days. No charge.

City of Edmonton

- Varying parking time limits for everyone dependent on area, residential parking permit holders exempted.
- Areas near stadiums only have parking exemptions in place during events.
- Free
- Valid for 1 year, staggered renewal dates
- Guest passes available, and Temporary Residents can apply for a temporary residential parking permit
- Qualifier: Available to residents of single detached homes and multi-family buildings under 4 storeys in height.

Grande Prairie

- Permit Parking in effect from 8:00 am to 6:00 pm in areas around schools
- Free
- 1 per household, additional permits can be applied for and evaluated on case by case basis
- Qualifier: available to residents in the specified areas.

City of Regina

- Provides parking passes for neighbourhoods near DT, hospitals or schools.
- \$15.00 fee
- Valid for 1 year
- One vehicle/dwelling, only exempts vehicles when parked on the same road as house
- Guest passes available at \$15.00
- Qualifier: Unavailable for residents in apartments or apartment-style buildings.

City of Nelson

- Provides parking passes for neighbourhoods near DT. Where signage indicates “Residential Parking”, a permit is required at all times. Where signage indicates “2-hour Parking”, a parking permit is required to park for longer than two hours between 8:00 AM and 6:00 PM.
- No fee
- Valid for 1 year
- A parking permit may be shared between two vehicles
- Qualifier- may only be issued if the dwelling unit does not have off-street parking

City of Vernon (Policy & detailed process)

- Provides Resident Exempt Parking Areas (REPAs) for areas near hospitals, community centres, and shopping districts, upon initiation from the neighbourhood.
- 12.50 fee
- Valid for 1 year
- Amount of permits dependent on units in the REPA
- Qualifier- must be a low density area, the City assesses the needs of all uses in the area on case-by-case basis.

City of Brandon

- Provides parking passes where required
- No fee
- Valid for 1 year, expire all at once on April 30
- No max amount of permits, must prove residency