June 9, 2025

Public consultation

Reference: BVA0098B

Dear Resident,

Freedom Mobile ("Freedom") is committed to providing high-quality wireless communications services. To enhance wireless service in your area, Freedom is proposing the construction of a new radiocommunications installation.

This site will be an important link in Freedom's network, delivering exceptional services and products to consumers. The project will consist of constructing a monopole structure, an accessory equipment compound and delivering utility and access to the installation.

This notification is provided in accordance with the Innovation, Science, and Economic Development Canada (ISED) Default Consultation Process CPC-2-0-03 — Radiocommunication and Broadcasting Antenna Systems, in effect since January 1, 2008 (6th version, July 2022), which governs the installation of telecommunications equipment.

Freedom would like to inform you of the project details and consult with you. We invite you to look at the attached document, which contains all the relevant information required under the ISED process.

We are committed to working with communities to strengthen their wireless telecommunication network. Please do not hesitate to contact us if you have any questions or require further information about this project. Note that under the public consultation process, you have 30 days following receipt of this letter to forward any comments you may have in writing to the following address. Please quote the reference number shown at the top of this page.

Freedom Mobile Inc.
209 – 221 West Esplanade
North Vancouver, BC V7M 3J9
Or by e-mail

Send an e-mail to CPC@freedommobile.ca quoting site reference: BVA0098B

Sincerely yours,

Freedom Mobile Inc.

Information Sheet – Public Notice

Introduction

This sheet provides public information concerning plans to build a new monopole radiocommunication antenna system with a height of 40 meters (42 meters above ground, including structure height, base and lightning rod). The proposed installation will be located approximately 125 metres southeast of the intersection of 56 Street and 28 Avenue, at 2720 56 Street in Delta, BC (PID: 000-605-697).

The geographic coordinates (NAD 83) for the site are as follows:
Latitude N 49°03’13.09, or 49.053636° N
Longitude W 123°04’1.20, or 123.067000° W.

Coverage area, coverage objectives and use of existing facilities

To strengthen suitable coverage in all areas, Freedom is planning to build a new structure in the City of Delta.

The structure will enable Freedom to achieve its coverage and performance targets, meet customer expectations, and satisfy Innovation Canada’s licensing conditions.

This information sheet describes the coverage area, coverage objectives and the technical considerations that led to the choice of site.

When choosing a site, Freedom begins by examining existing structures on which its equipment can be installed. All options are considered, including rooftops, structures that could be shared with other telecommunications carriers or utilities, electrical poles, smokestacks, water structures, and even church steeples. This approach saves time, money and helps prevent the proliferation of new structures.

However, it is not always possible to use existing structures due to technical considerations, and it is sometimes necessary to install new structures.

In the present case, there are no existing structures within the required area that provide sufficient height, and it is necessary for Freedom to install a new structure to achieve the desired coverage.

Freedom mobile

Characteristics of the site and of the proposed structure

Tower characteristics

Freedom mobile

Construction of new telecommunication towers

Site: BVA0098B **Site name:** City of Delta

Location

Address: 2720 56TH ST
DELTA, BC V4L 2P2

NAD83	DD	MM	SS.ssss	decimal
Longitude	123°	04′	1.20″	→ 123.067000° W
Latitude	49°	03′	13.09″	→ 49.053636° N

Proposed tower

Type: Monopole Above ground height (meters): 42
Coverage Rating: Excellent

Coverage objectives

☒	Cover addresses in a radius of 2km to 5km.
☒	Maintain coverage provided by Freedom Mobile's site BVA0505.
☒	Provide continuous coverage with neighbouring sites.
☒	Maximize the transmission rate offered for the data service.

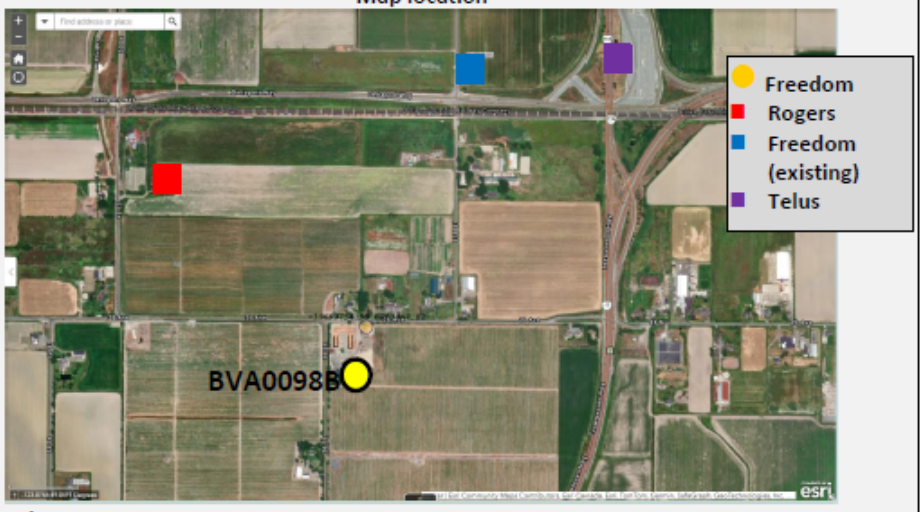
Telecom towers studied

Owner	Address	Height / Analysis	Coverage Rating	Status
Freedom Mobile	BC Hydro Tower	35.5m	N/A	BC Hydro line to be redeveloped
Rogers	BC Hydro Tower	35.5m	N/A	BC Hydro line to be redeveloped
Telus	BC Hydro Tower	35.5m	N/A	BC Hydro line to be redeveloped

Reason for rejection

BC Hydro tower line to be redeveloped

Map location



Commentary

The new tower will enable the use of both current and future RF technologies.
The new tower will be able to offer colocation to other operators.
The new tower is situated in the best possible location to offer optimal services.

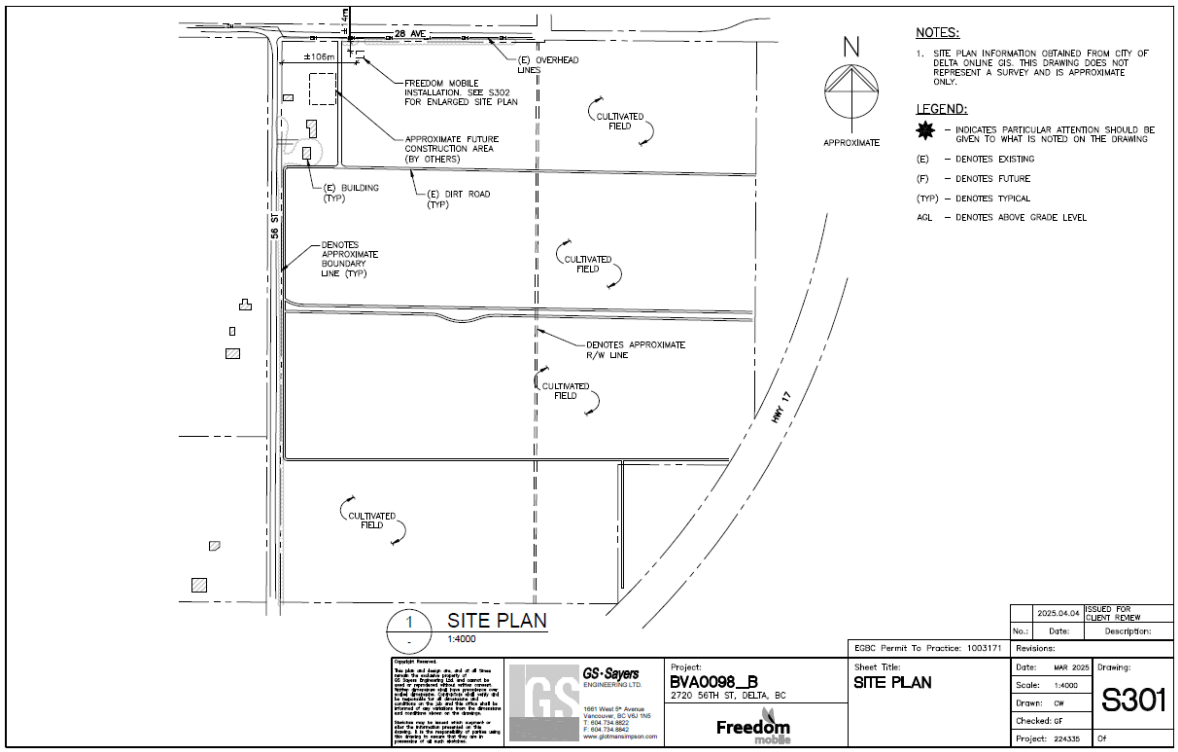
Site selection & harmonization with the surrounding environment

A telecommunications site's performance depends on a variety of factors, and a thorough analysis involving simulations is required before a site is chosen. This analysis must consider numerous factors that can affect radio signals, such as the required elevation, the sight lines to the target areas, overlap with neighbouring sites, bodies of water, topography, etc.

The proposed site was selected based on an analysis of this type, as well as consideration of external constraints such as applicable regulations and the availability of space on existing structures. The final siting decision is always made with an overarching goal of covering as many customers as possible with the fewest possible new structures.

Location plan of the proposed structure

Telecommunications equipment will be installed at the base of the structure, inside two cabinets. The entire site will be laid out within a secure, fenced-in area.



Description of antennae:

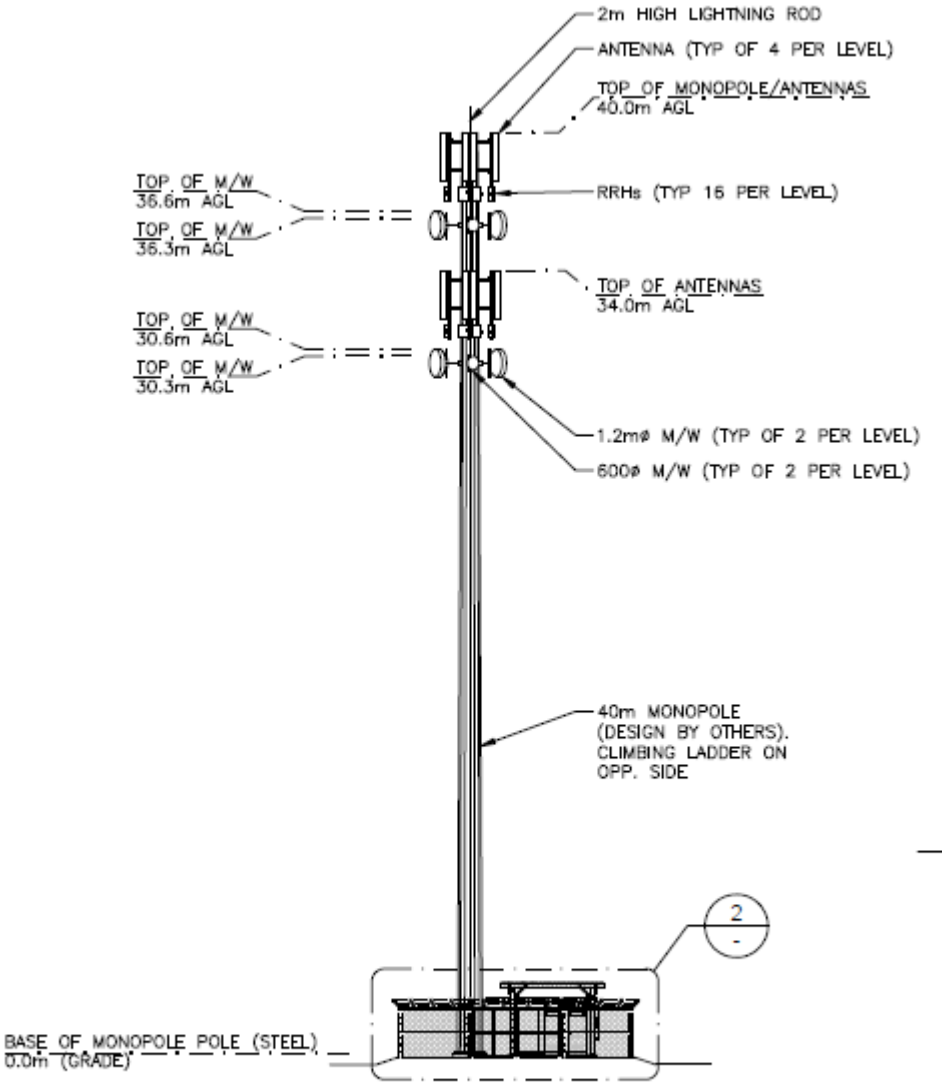
SITE REFERENCE NUMBER: BVA0098B – City of Delta
Radio Antenna Schedule

ANTENNA TABLE

SECTOR #/ MOUNT NAME	MODEL	AZIMUTH (°)	MOUNTING HEIGHT (m)	ELEC D-TILT	MECH D-TILT	RRHs AS PER D4B	CABLE TYPE	CABLE LENGTH	STATUS
S1/M1	R2V4PX308R/T2008M6R032v03/ FFV4-65B-R6/FFV4-65A-R6/TPA65R-KE6A 2D4WD-N-2E/2D4WC-N-2E	40	40.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±43m	INITIAL
S1/M9	R2V4PX308R/T2008M6R032v03/ AVQQA/AQQQA/AQQT 2D4WD-N-2E/2D4WC-N-2E	40	34.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±37m	INITIAL
S2/M2	R2V4PX308R/T2008M6R032v03/ FFV4-65B-R6/FFV4-65A-R6/TPA65R-KE6A 2D4WD-N-2E/2D4WC-N-2E	130	40.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±43m	INITIAL
S2/M10	R2V4PX308R/T2008M6R032v03/ AVQQA/AQQQA/AQQT 2D4WD-N-2E/2D4WC-N-2E	130	34.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±37m	INITIAL
S3/M3	R2V4PX308R/T2008M6R032v03/ FFV4-65B-R6/FFV4-65A-R6/TPA65R-KE6A 2D4WD-N-2E/2D4WC-N-2E	220	40.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±43m	INITIAL
S3/M11	R2V4PX308R/T2008M6R032v03/ AVQQA/AQQQA/AQQT 2D4WD-N-2E/2D4WC-N-2E	220	34.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±37m	INITIAL
S4/M4	R2V4PX308R/T2008M6R032v03/ FFV4-65B-R6/FFV4-65A-R6/TPA65R-KE6A 2D4WD-N-2E/2D4WC-N-2E	310	40.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±43m	INITIAL
S4/M12	R2V4PX308R/T2008M6R032v03/ AVQQA/AQQQA/AQQT 2D4WD-N-2E/2D4WC-N-2E	310	34.0	TBD	TBD	(1)FRIJ, (1)AHFIB, (1)AHBOA, (1)AHHB	DC/FIBER	±37m	INITIAL
MW1/M5	600mmø M/W	20	36.3	NA	TBD	–	TBD	±42m	INITIAL
MW2/M6	1200mmø M/W	TBD	36.6	NA	TBD	–	TBD	±42m	FUTURE
MW3/M7	600mmø M/W	180	36.3	NA	TBD	–	TBD	±42m	INITIAL
MW4/M8	1200mmø M/W	TBD	36.6	NA	TBD	–	TBD	±42m	FUTURE
MW5/M13	600mmø M/W	TBD	30.3	NA	TBD	–	TBD	±36m	FUTURE
MW6/M14	1200mmø M/W	TBD	30.6	NA	TBD	–	TBD	±36m	FUTURE
MW7/M15	600mmø M/W	TBD	30.3	NA	TBD	–	TBD	±36m	FUTURE
MW8/M16	1200mmø M/W	TBD	30.6	NA	TBD	–	TBD	±36m	FUTURE

NOTES:
1. TABLE CONTENTS TO BE CONFIRMED WITH FREEDOM MOBILE.
2. CABLE BEND RADIUS AS PER MANUFACTURER'S RECOMMENDATIONS.
3. ANTENNA HEIGHT TO TOP OF ANTENNAS.
4. ANTENNA MOUNT IS DESIGNED TO SUPPORT ONLY ONE OF THE PROPOSED ANTENNAS LISTED.

Profile of the structure: 42m monopole



1 / S302 NORTH ELEVATION
1:250

Illustrations of the structure:

The two illustrations below show what the planned structure might look like in its setting.

Photo-Sim 1: photo taken approximately 25m west of the intersection of 56 St. and 28 Ave, and approximately 150m northwest of the proposed site.

Before

After

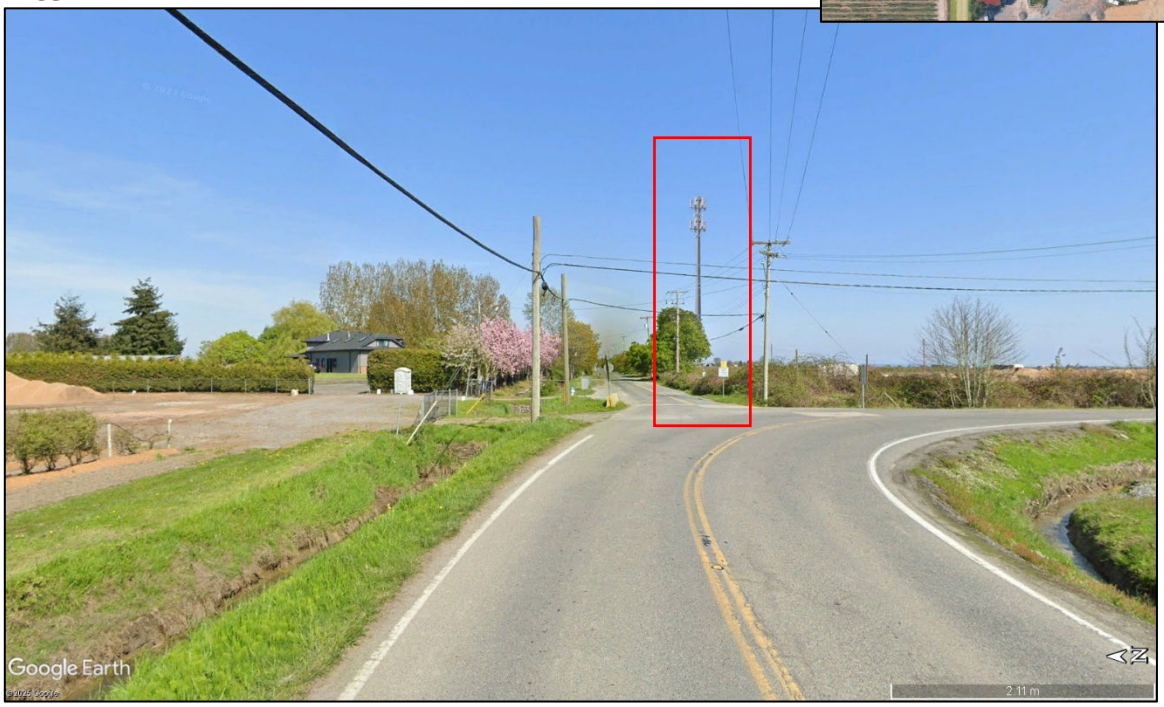


Photo-Sim 2: photo taken approximately 275m south of the intersection of 56 Street and 28 Ave, and approximately 288m southwest of the proposed site.

Before

After

Regulatory framework

The optimal location for the structure is aligned with the City of Delta's land-use planning framework. The proposed site is in an agricultural zone.

With reference to item 9 of "Appendix 1" of the Innovation, Science and Economic Development Canada (ISED) Client Procedures Circular entitled "Radiocommunication and Broadcast Antenna Systems, CPC-2-0-03" in effect since January 1, 2008 (6th version, July 2022)[1], as there is no local public consultation process specific to radiocommunication antenna systems within the municipality, the default ISED public consultation process applies.

As a result, the present public consultation is being conducted under the provisions of the public consultation procedure established by ISED (CPC-2-0-03).

It is important to note that in Canada, telecommunications activities fall under federal jurisdiction, with the Government of Canada holding exclusive jurisdiction in this area.

Certification of compliance with Safety Code 6

The construction of wireless telecommunication networks is subject to Health Canada's Safety Code 6, which stipulates the limits for exposure to radiofrequency electromagnetic fields.

Freedom hereby certifies that, in the interest of public safety, the proposed facilities will be built and always operated in accordance with Safety Code 6 and any future amendments, including the consideration of combined effects within the local radio environment.

Aeronautical obstruction marking

Freedom will comply with Transport Canada / NAV Canada requirements, including Standard 621.19, "Obstruction Markings."

To comply with these requirements, if Freedom is to use lighting installed at the top of the structure. This lighting is respectful of the local environment, has no glare and is not directed towards the ground.

Should Transport Canada inform Freedom of other lighting requirements, Freedom will inform the public.

[1] https://ised-isde.canada.ca/site/spectrum-management-telecommunications/en/learn-more/key-documents/procedures/client-procedures-circulars-cpc/cpc-2-0-03-radiocommunication-and-broadcasting-antenna-systems

Impact Assessment Act (2019)

Freedom complies with all applicable environmental legislation, including the Canadian Impact Assessment Act (IAA). Freedom hereby certifies that this project is not subject to the IAA.

Compliance with technical codes and best practices

The installations specified in this project will comply with applicable technical codes, trade practices and best practices, particularly with respect to the sturdiness of the frame. The base of the tower will be developed within a secure, fenced-in area.

Contact information

For more information, please contact:

Proponent

Freedom Mobile Inc.
209 – 221 West Esplanade
North Vancouver, BC V7M 3J9
Or by e-mail

Email: CPC@freedommobile.ca [site reference: BVA0098B]

Land-use authority

City of Delta
4500 Clarence Taylor Crescent
Delta, BC V4K 3E2
development@delta.ca

Innovation, Science and Economic Development Canada

British Columbia
Lower Mainland District Office
13401 – 108 Avenue, Suite 1700
Surrey BC V3T 5V6
Telephone: 1-800-667-3780 or 604-586-2521
Fax: 604-586-2528
Email: spectrumsurrey-surreyspectre@ised-isde.gc.ca
(By appointment only)

For information on antenna systems, please visit the ISED's Spectrum Management and Telecommunications website at http://strategis.ic.gc.ca/antenna.