BC Hydro
Power smart

January 7, 2025

Dear Neighbour,

The Surrey/Langley region is one of Canada's fastest-growing communities, and we're making sure our energy system grows with it. To ensure we continue delivering clean and renewable power to your community, we're planning to build a new substation in the Clayton area of Surrey in the coming years.

What we're doing

We need to build a new outdoor substation to supply power to rapidly growing communities like Clayton in Surrey and Willoughby in Langley. To connect it to the existing network, we'll also build power lines linking it to McLellan Substation to the south.

Once complete, the new substation will help power up to 35,000 more homes in the region.

Where the new substation will be built

The new facility will be located south of 76 Avenue, between 194 and 196 streets (please see the map on page 2).

We looked at several alternate sites for the substation and this site was chosen due to its size and suitability.

Planning and design is just getting underway. The exact size of the substation and the transmission routes have yet to be determined.

Project timeline

We're in the very early stages of the substation project. **Construction is not expected to begin until late 2027 at the earliest.** As with any large project, the timeline may change due to unforeseen circumstances.

We're beginning geotechnical studies in **January 2026** to help inform design of the station. This includes soil testing and some brush trimming to make space for workers and equipment.

What to expect

Starting mid-January, crews will be in the field performing activities to support our early planning and design work. These include:

- Brush trimming to allow safe access for geotechnical work.
- Ground and soil testing.

The early vegetation and geotechnical work will take about six weeks to complete.

- Work will typically take place Monday to Saturday between 7:00 a.m. and 10:00 p.m.
- There may be increased noise or vibrations where work is taking place.
- No road closures are planned for this early work.

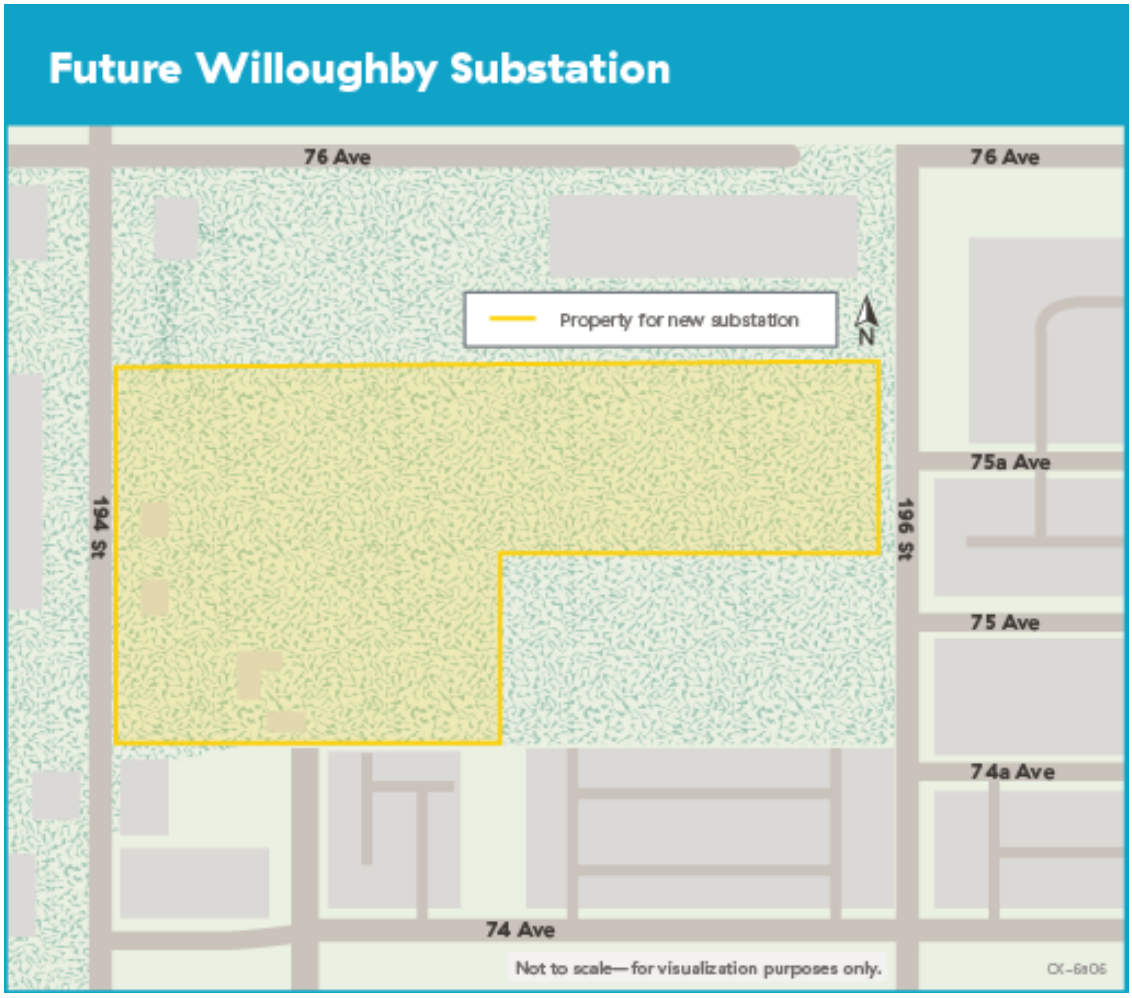
Questions
We understand this new substation will bring changes to the area, and we'll keep you informed throughout the process.

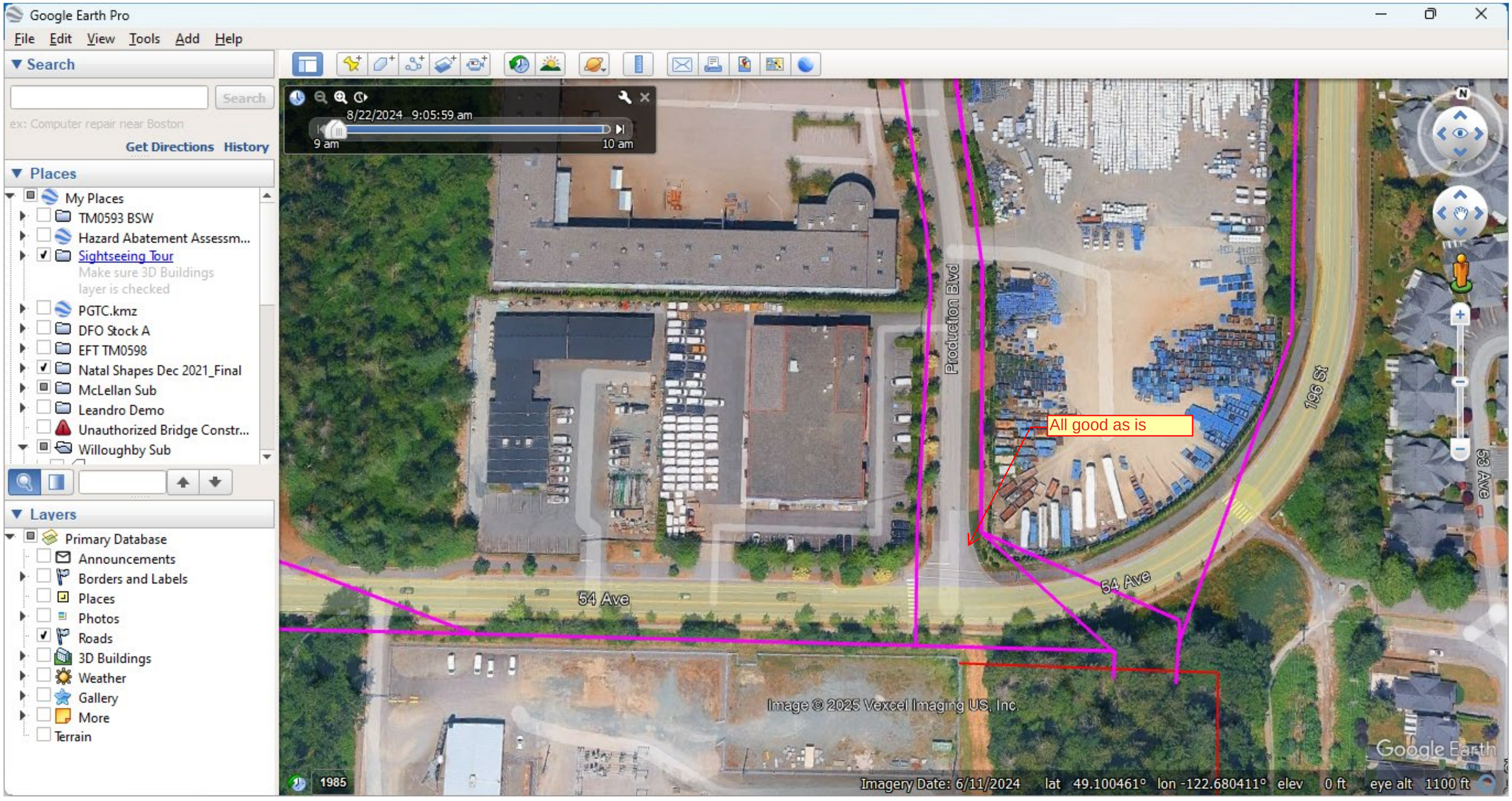
For more information about this project, please visit bchydro.com/willoughbysub.

If you have any questions, please do not hesitate to contact me at projects@bchydro.com or call 1 866 647 3334.

Sincerely,

Denise Hayes-McCoy
Stakeholder Engagement Advisor




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196 St
53 Ave
54 Ave
54 Ave
All good as is
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55 Ave

Production Blvd

196 St

All good. This is only close building.

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196 St

55 A Ave

55 Ave

Should be ok as this is a low extension.

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56 Ave

56 Ave

56 Ave

Both side appear ok. Some Distr to move.

Production Blvd

196 St

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Good

Landmark Way

56 Ave

56 Ave

56 Ave

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All good

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10

192 St

56 Ave

All ok here.

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192 St

Very close building corner. NOT ENOUGH SPACE FOR 230kV ROW.

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Very close building corner. NOT ENOUGH SPACE FOR 230kV ROW.

54 Ave

54 Ave

192 Frontage Rd

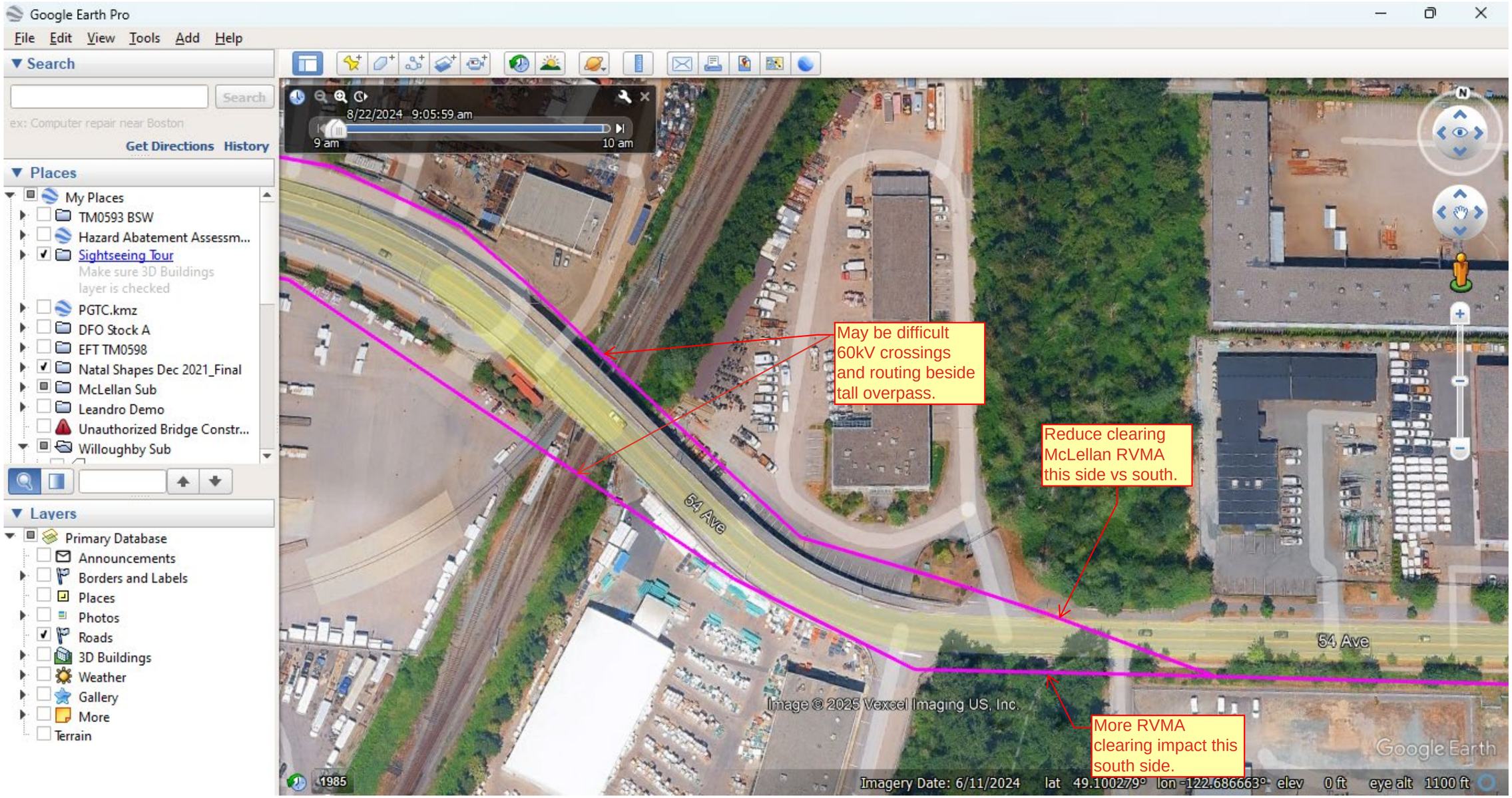
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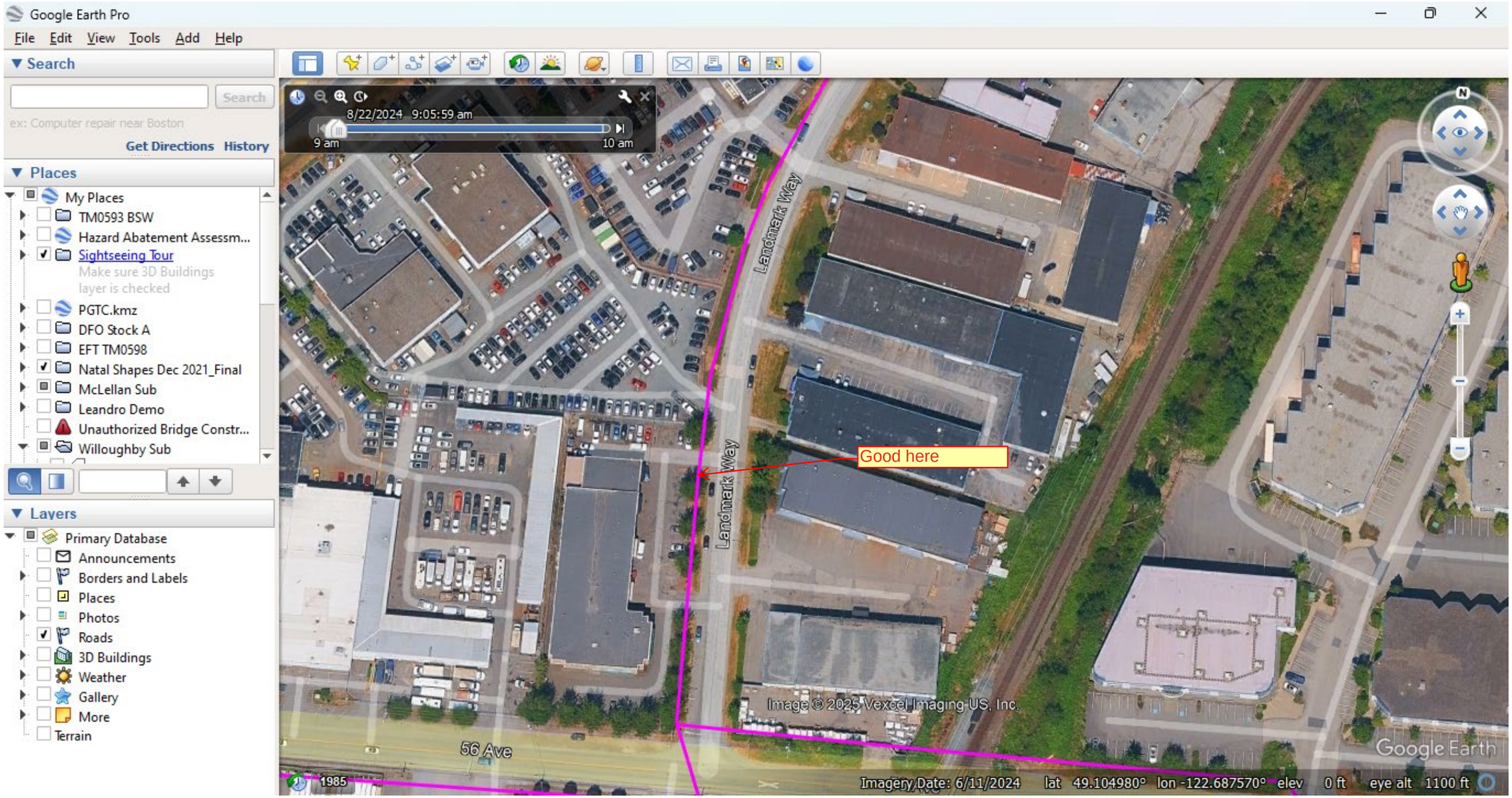
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May be difficult 60kV crossings and routing beside tall overpass.
Reduce clearing McLellan RVMA this side vs south.
More RVMA clearing impact this south side.
54 Ave
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Good here
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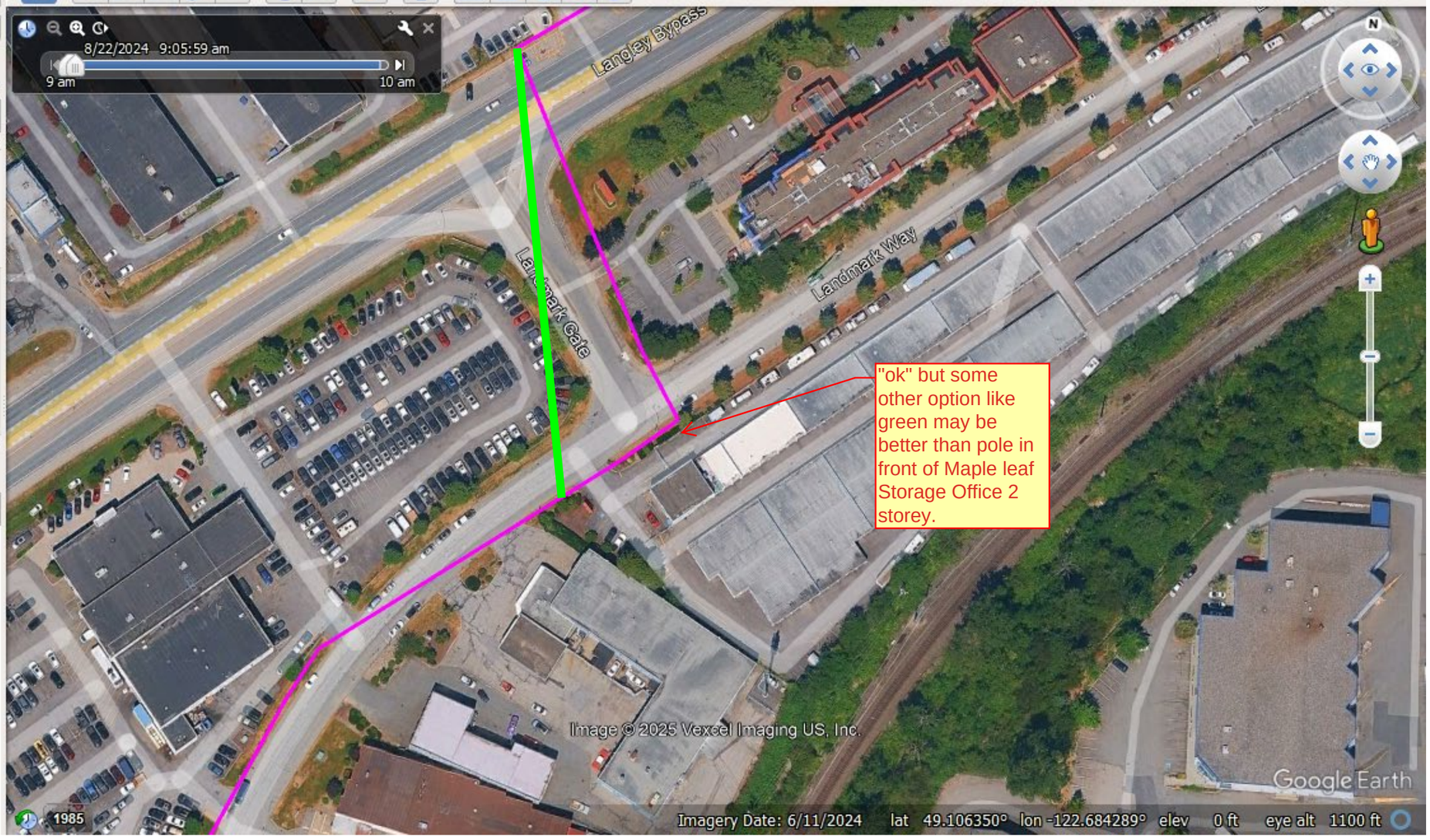
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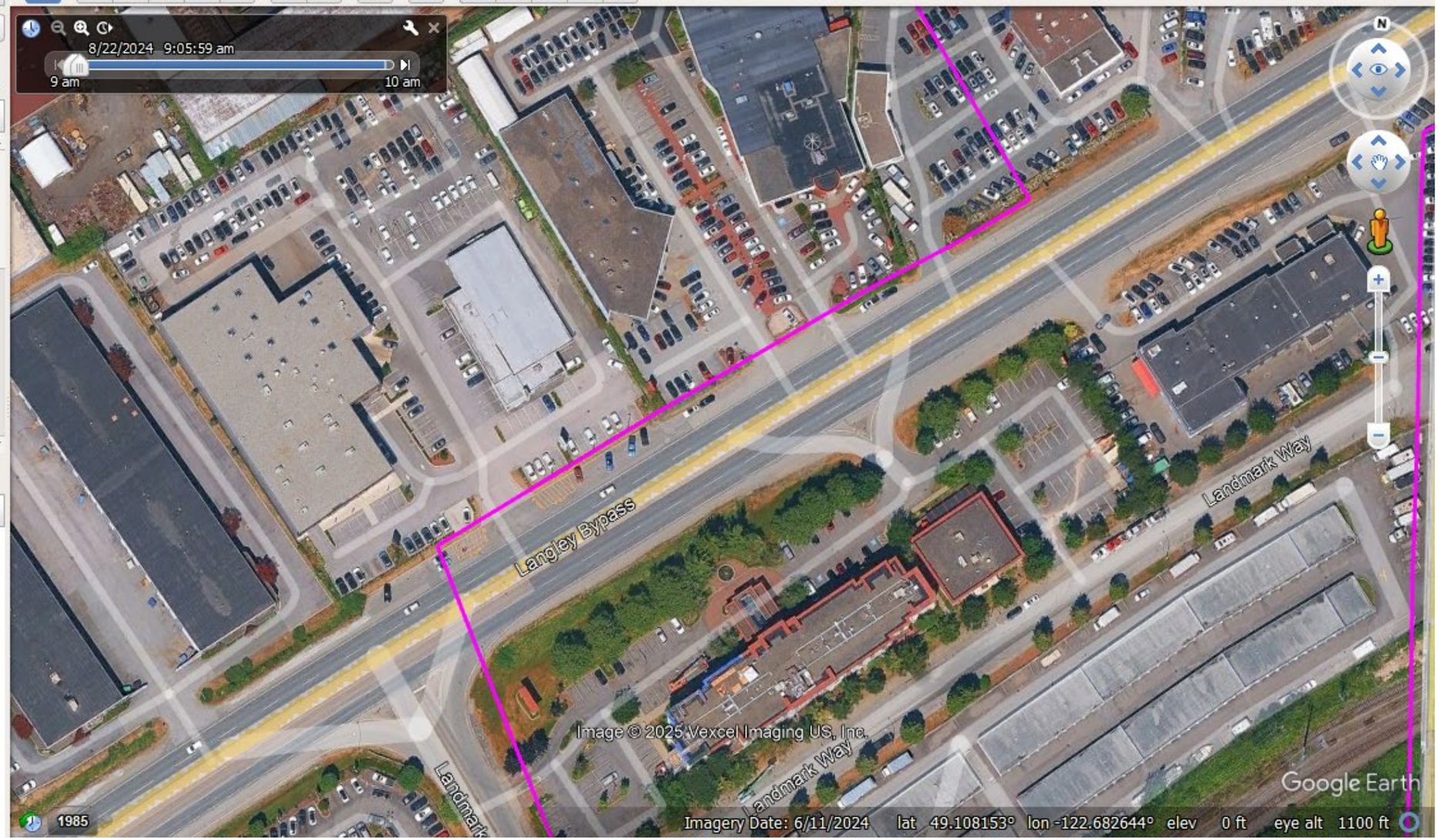
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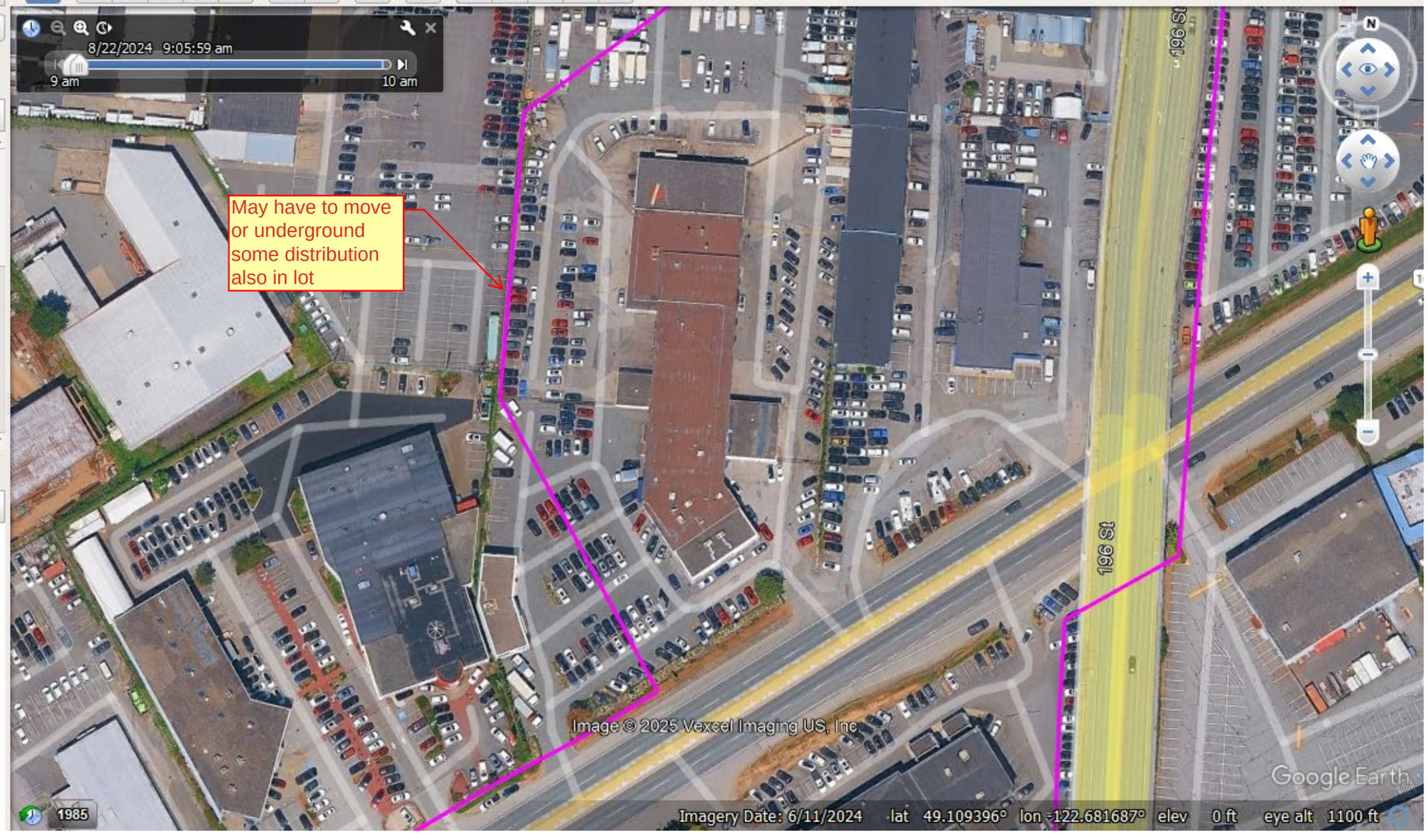
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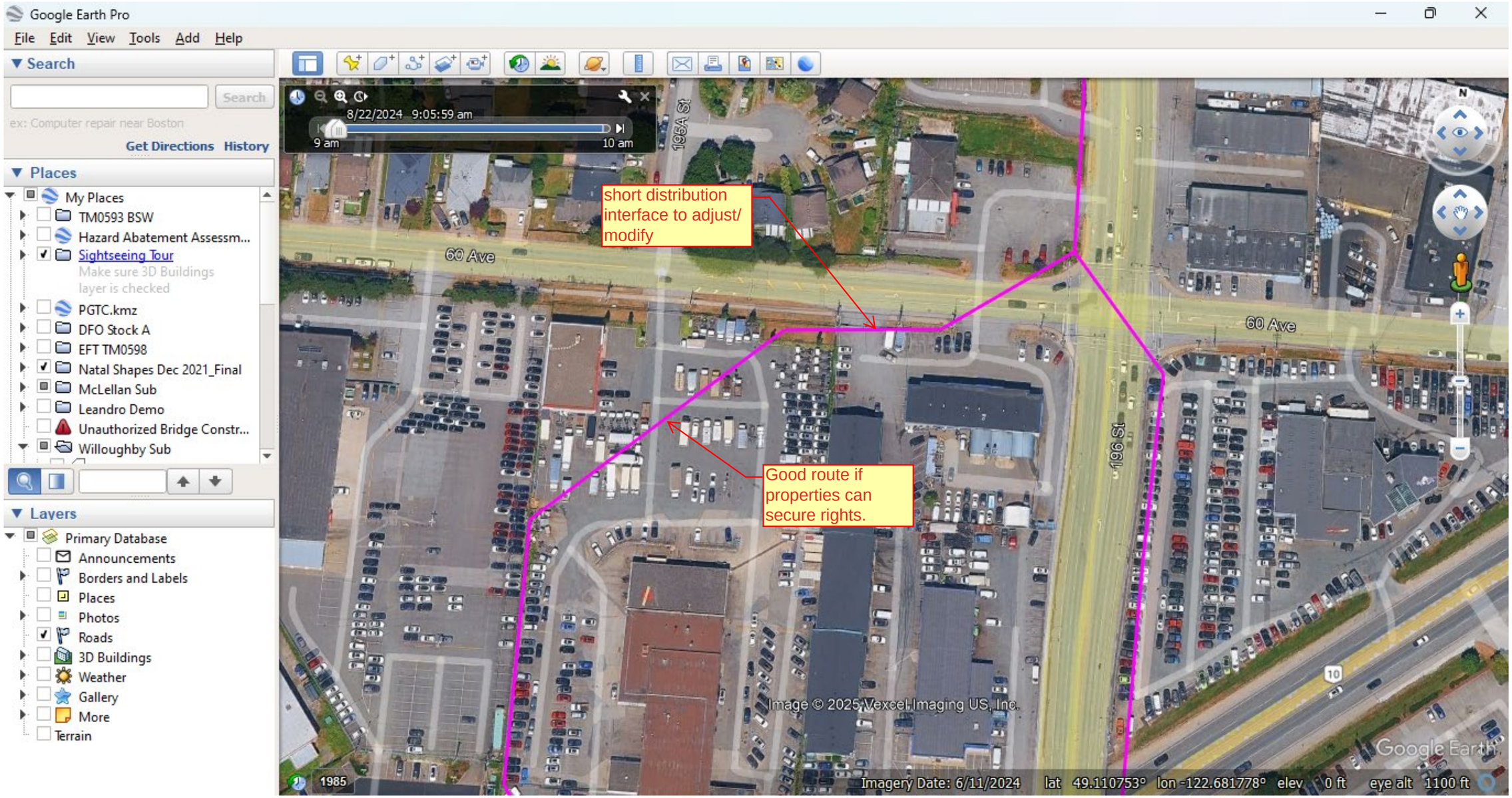
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short distribution interface to adjust/ modify
Good route if properties can secure rights.
60 Ave
196A St
196 St
10
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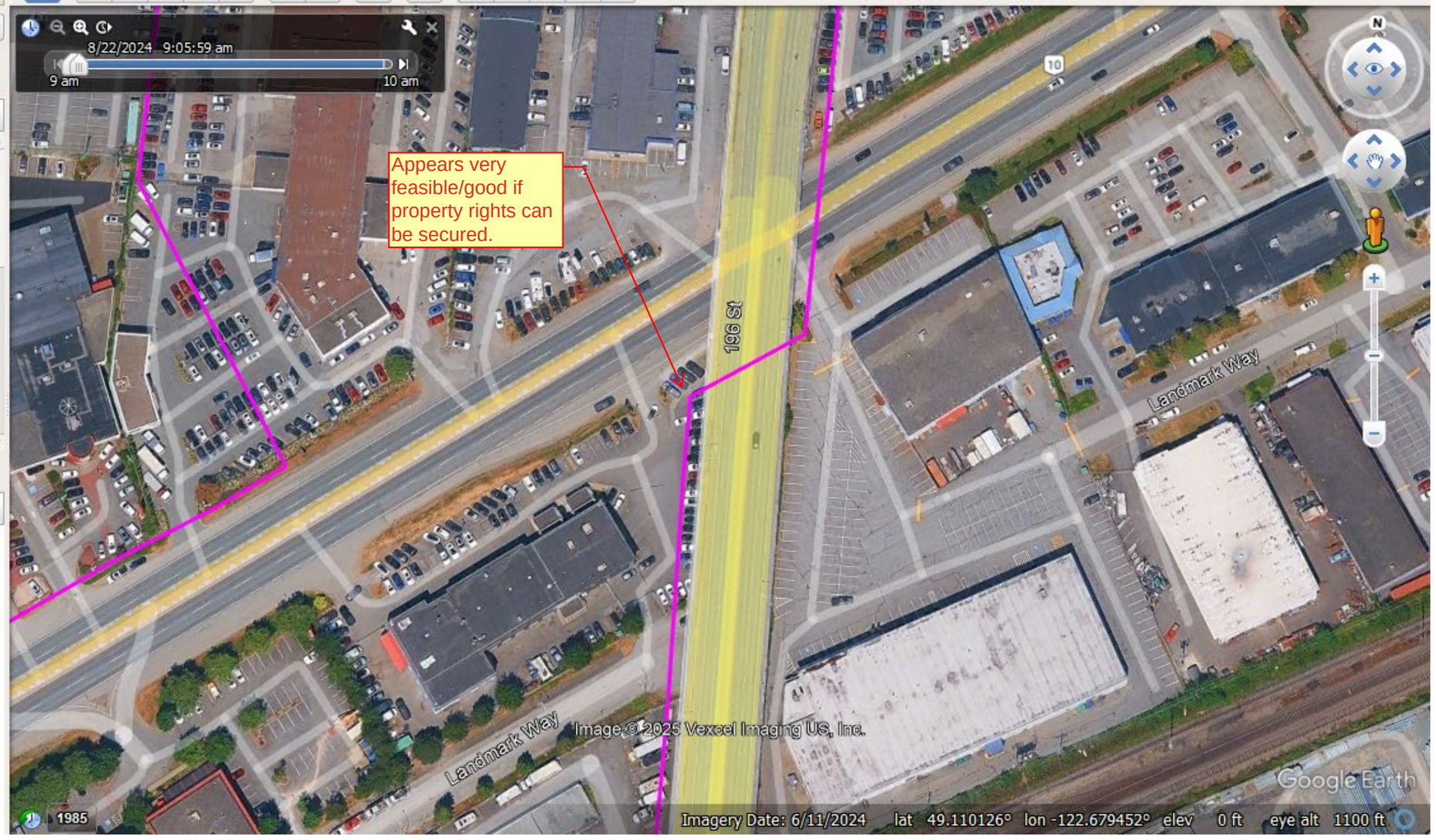
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9 am 10 am

Landmark Way

Landmark Way

196 St

Narrow space here. May not have 12-13m ROW required against building for OH.

N

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196 St

Production Way

N

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Close to building here. May not have 12-13m OH ROW.

Close to buildings. May not have 12-13m for 230kV OH ROW.

56 Ave

56 Ave

56 Ave

Production Blvd

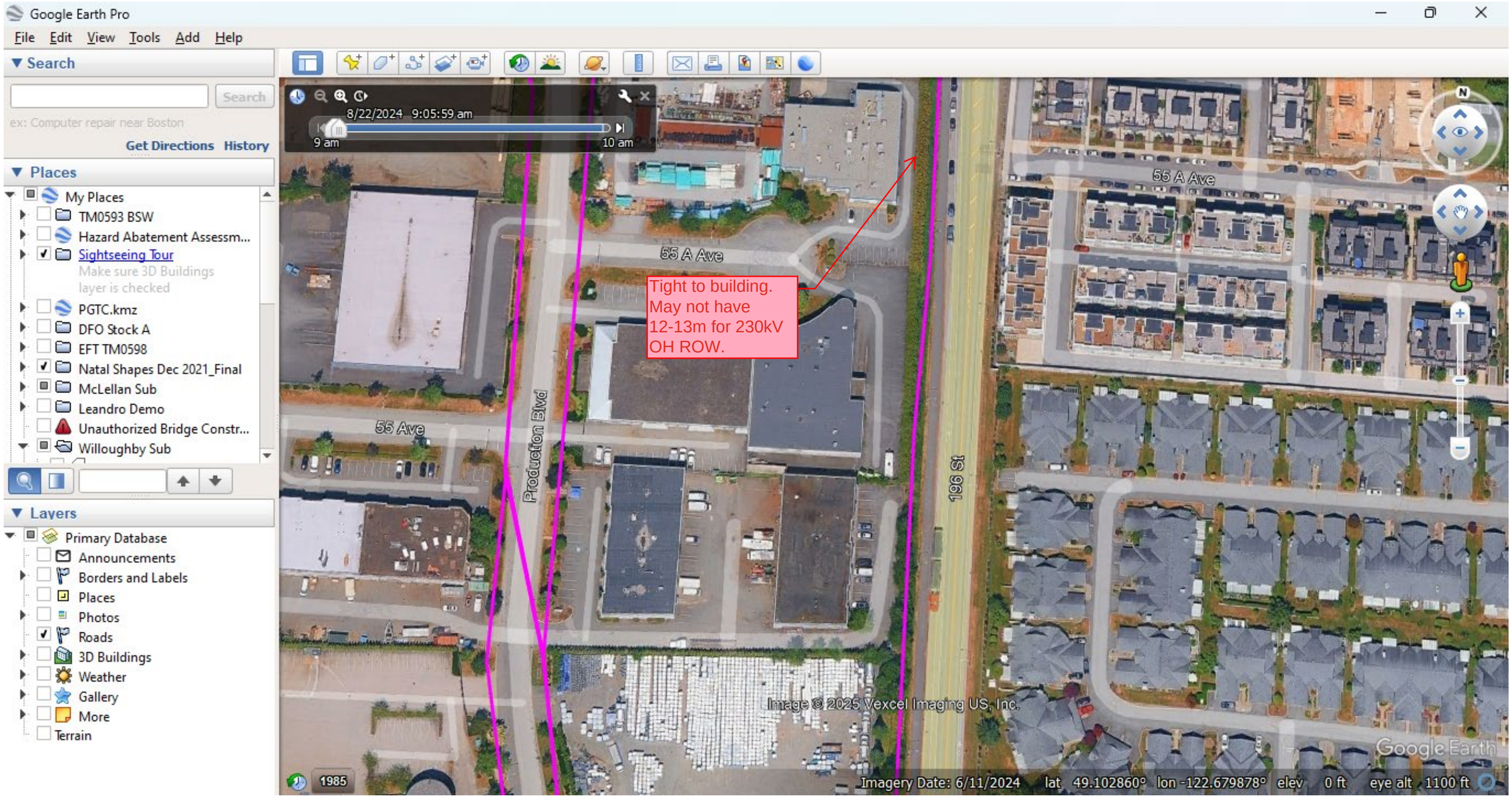
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10 am
55 A Ave
55 Ave
Production Blvd
196 St
Tight to building.
May not have
12-13m for 230kV
OH ROW.
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53 Ave

54 Ave

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- Sightseeing Tour
  Make sure 3D Buildings layer is checked
- PGTC.kmz
- DFO Stock A
- EFT TM0598
- Natal Shapes Dec 2021_Final
- McLellan Sub
- Leandro Demo
- Unauthorized Bridge Constr...
- Willoughby Sub

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8/22/2024 9:05:59 am

9 am 10 am

Close to building. Will not have 12-13m ROW for 230kV O/H

From sheet 6 above

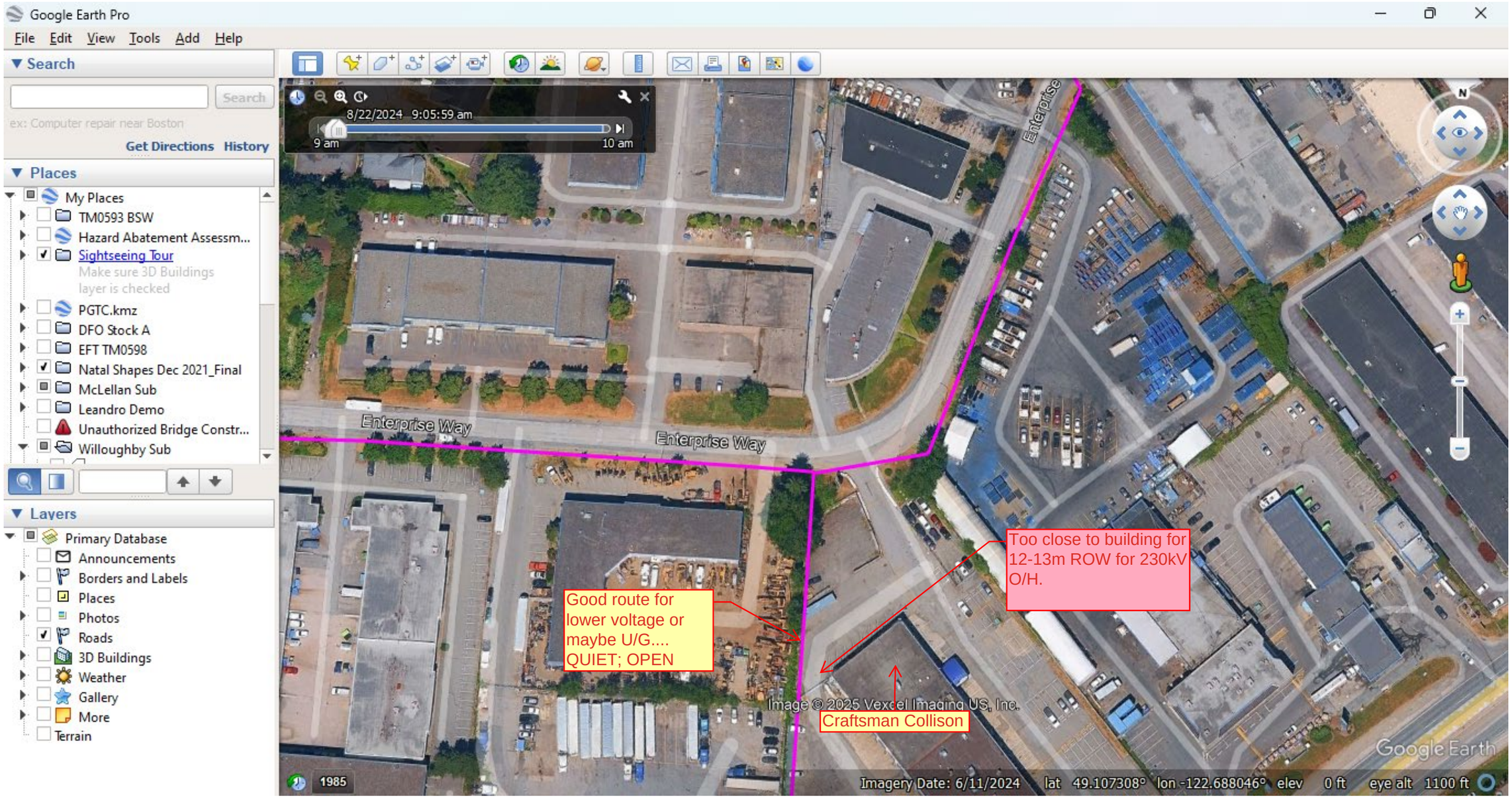
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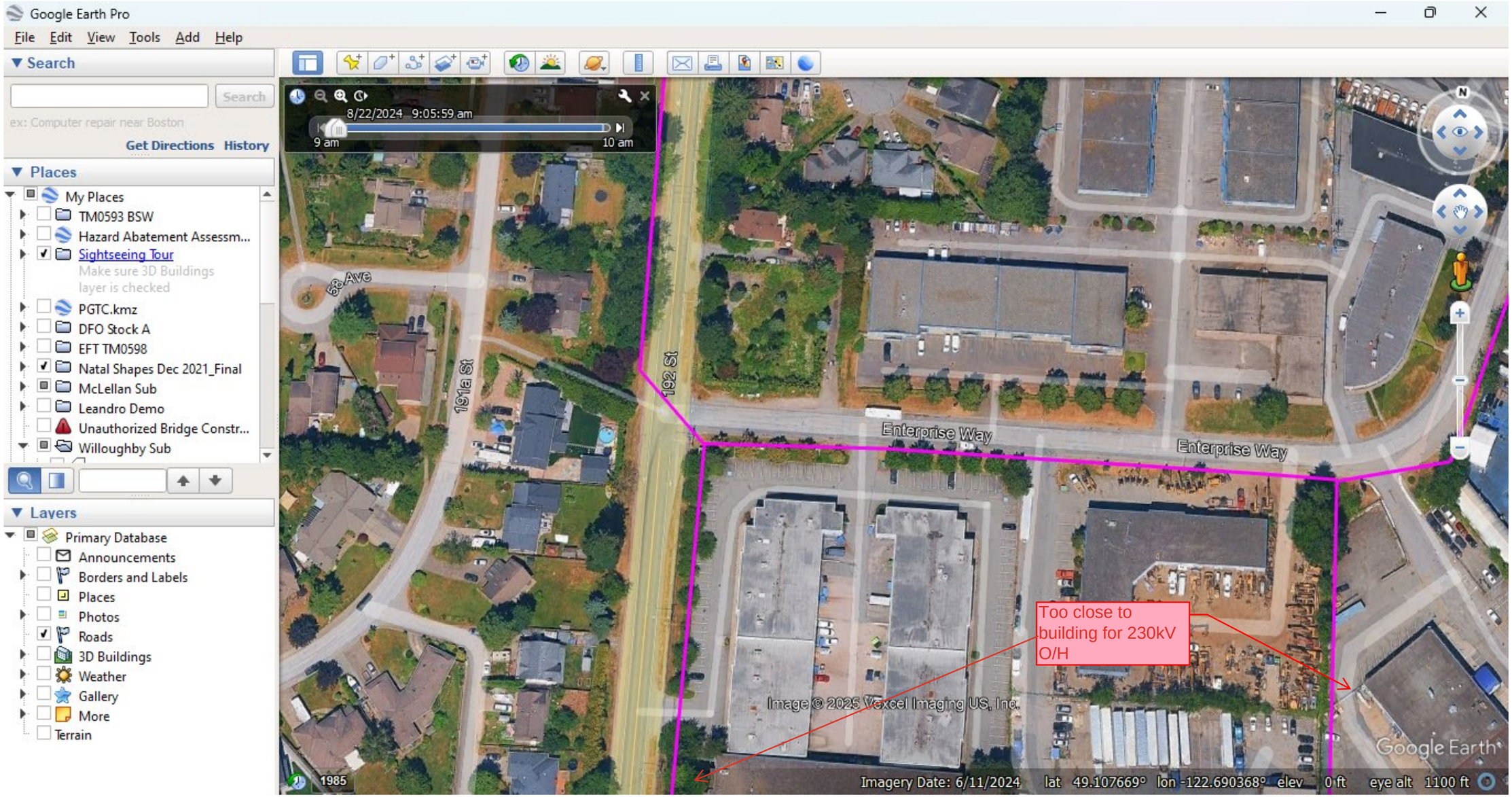
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1985

Imagery Date: 6/11/2024 lat 49.106146° lon -122.687435° elev 0 ft eye alt 1100 ft


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8/22/2024 9:05:59 am
9 am
10 am
Enterprise Way
Enterprise Way
Enterprise
Good route for lower voltage or maybe U/G.... QUIET; OPEN
Too close to building for 12-13m ROW for 230kV O/H.
Craftsman Collison
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Terrain
8/22/2024 9:05:59 am
9 am
10 am
8 Ave
191a St
192 St
Enterprise Way
Enterprise Way
Too close to building for 230kV O/H
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Too close to buildings for 230kV O/H.

Sundale Ave

Sundale Grove

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8/22/2024 9:05:59 am

9 am 10 am

Too close to building for 230kV O/H

10

56 Ave

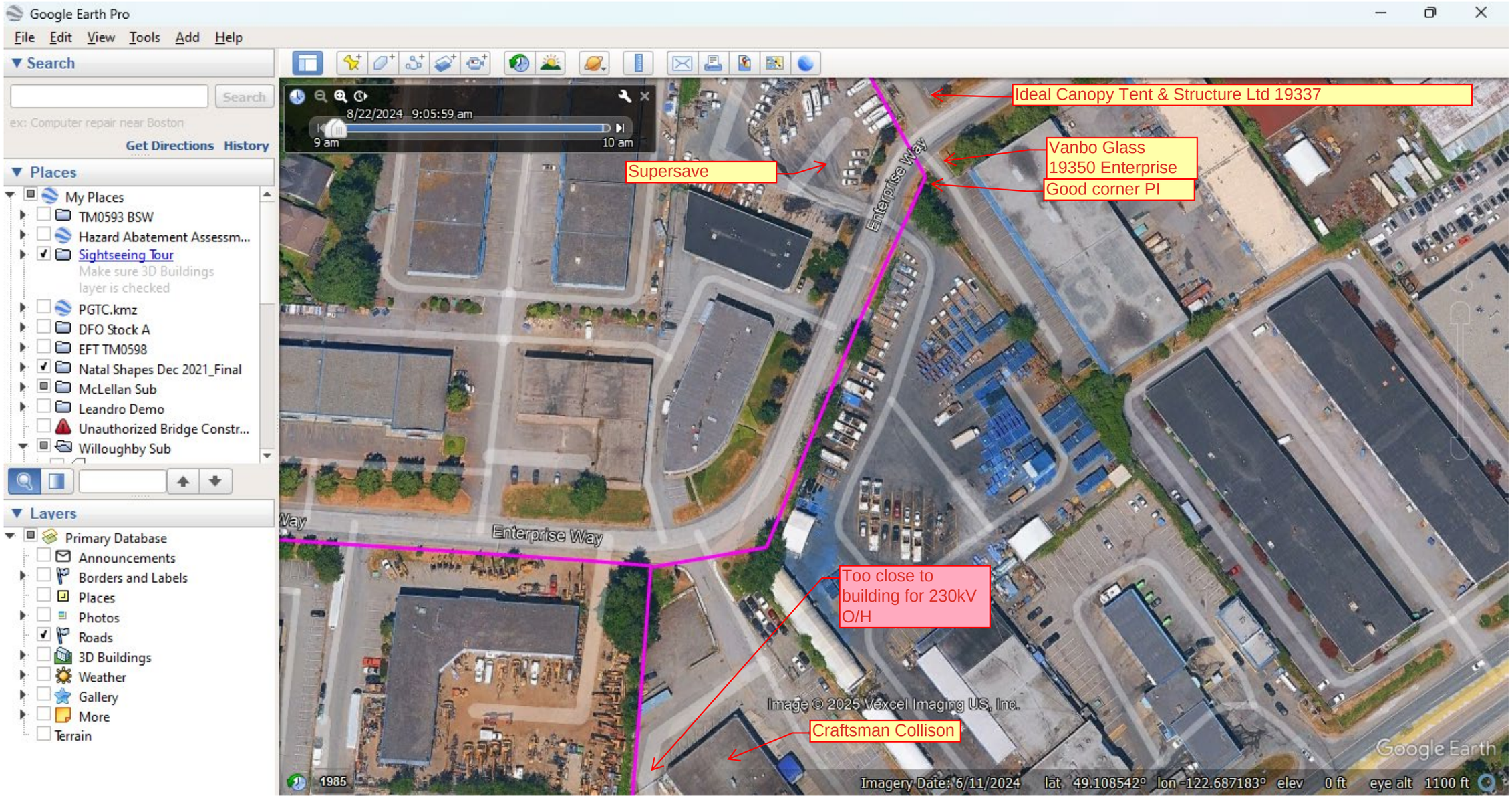
192 St

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Willoughby Sub
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9 am
10 am
Ideal Canopy Tent & Structure Ltd 19337
Vanbo Glass
19350 Enterprise
Good corner PI
Supersave
Enterprise Way
Too close to building for 230kV O/H
Craftsman Collison
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
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Imagery Date: 6/11/2024 lat 49.108542° lon -122.687183° elev 0 ft eye alt 1100 ft

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Terrain

8/22/2024 9:05:59 am

9 am 10 am

Current distribution line along back line already to move/ underground in parking lot

Looks quite good. Quiet parking lot

This PI and property rights is important for this option

Good PI

Enterprise Way

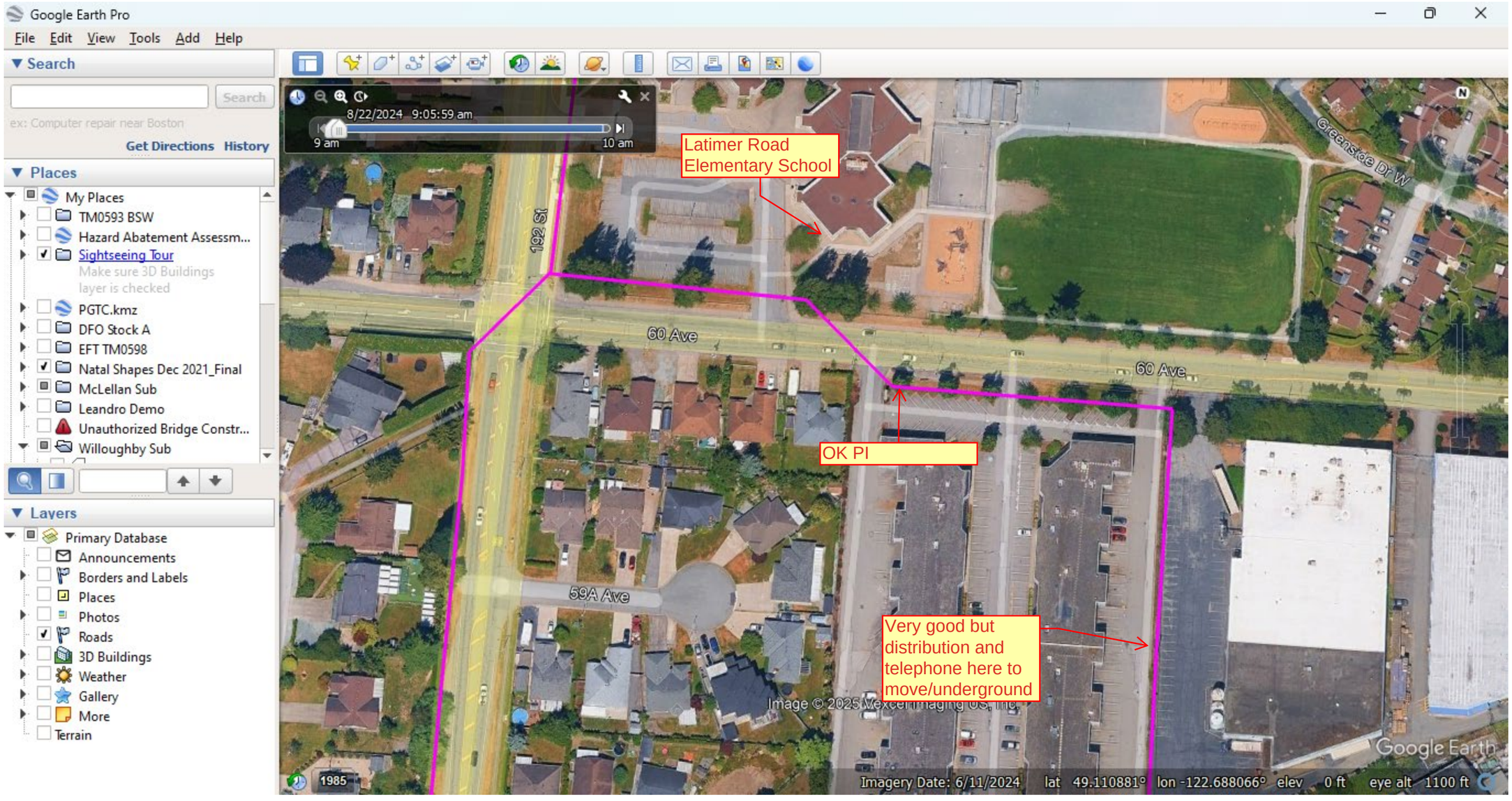
Enterprise Way

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8/22/2024 9:05:59 am
9 am
10 am
Latimer Road Elementary School
192 St
60 Ave
60 Ave
Greenside Dr W
OK PI
59A Ave
Very good but distribution and telephone here to move/underground
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Imagery Date: 6/11/2024 lat 49.110881° lon -122.688066° elev 0 ft eye alt 1100 ft

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  - DFO Stock A
  - EFT TM0598
  - Natal Shapes Dec 2021_Final
  - McLellan Sub
  - Leandro Demo
  - Unauthorized Bridge Constr...
  - Willoughby Sub

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8/22/2024 9:05:59 am

9 am 10 am

191a St

192 St

59 Ave

58 Ave

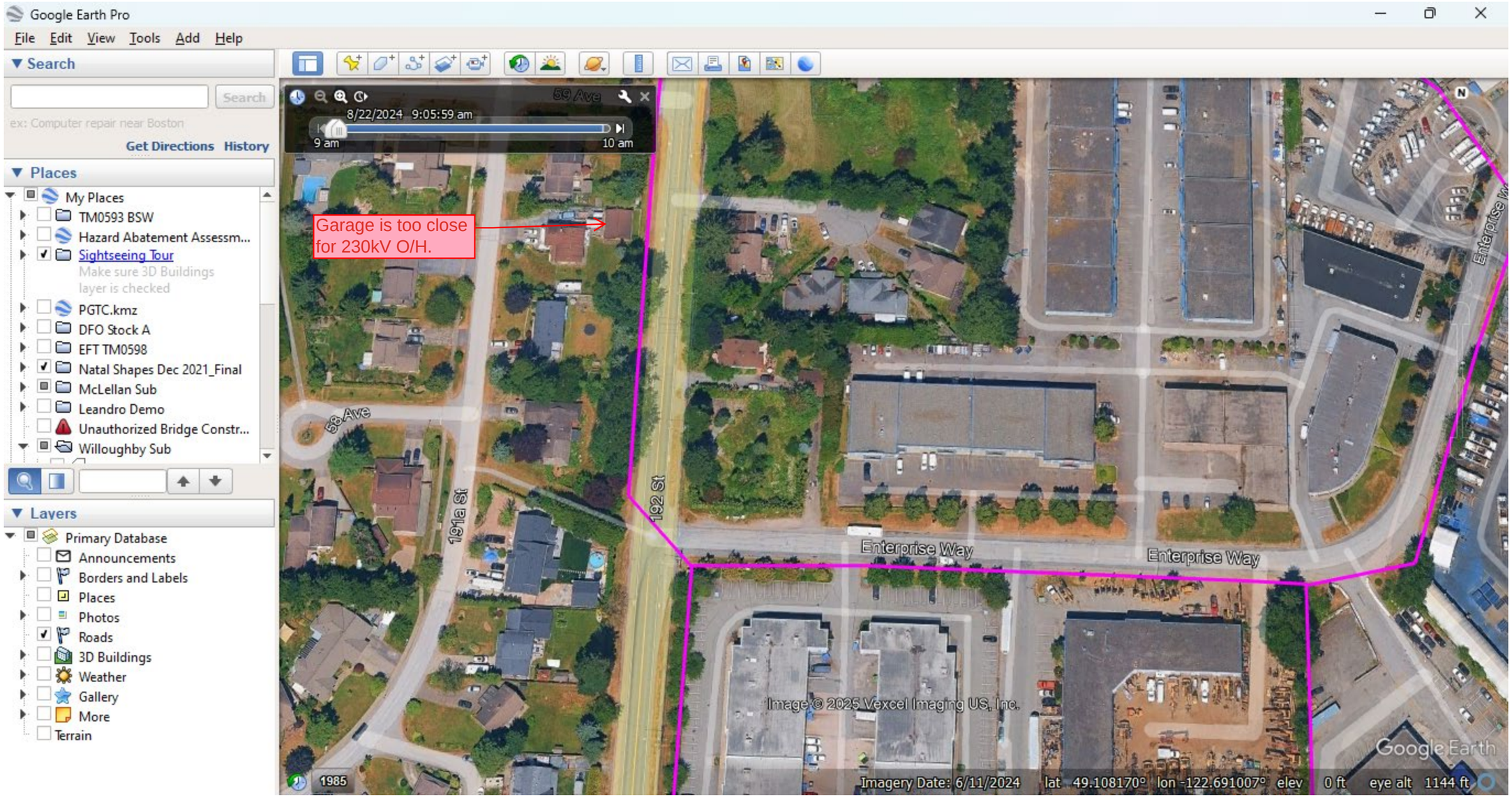
Garage is too close for 230kV O/H ROW. And East side of 192 St also tight to houses for O/H 230kV.

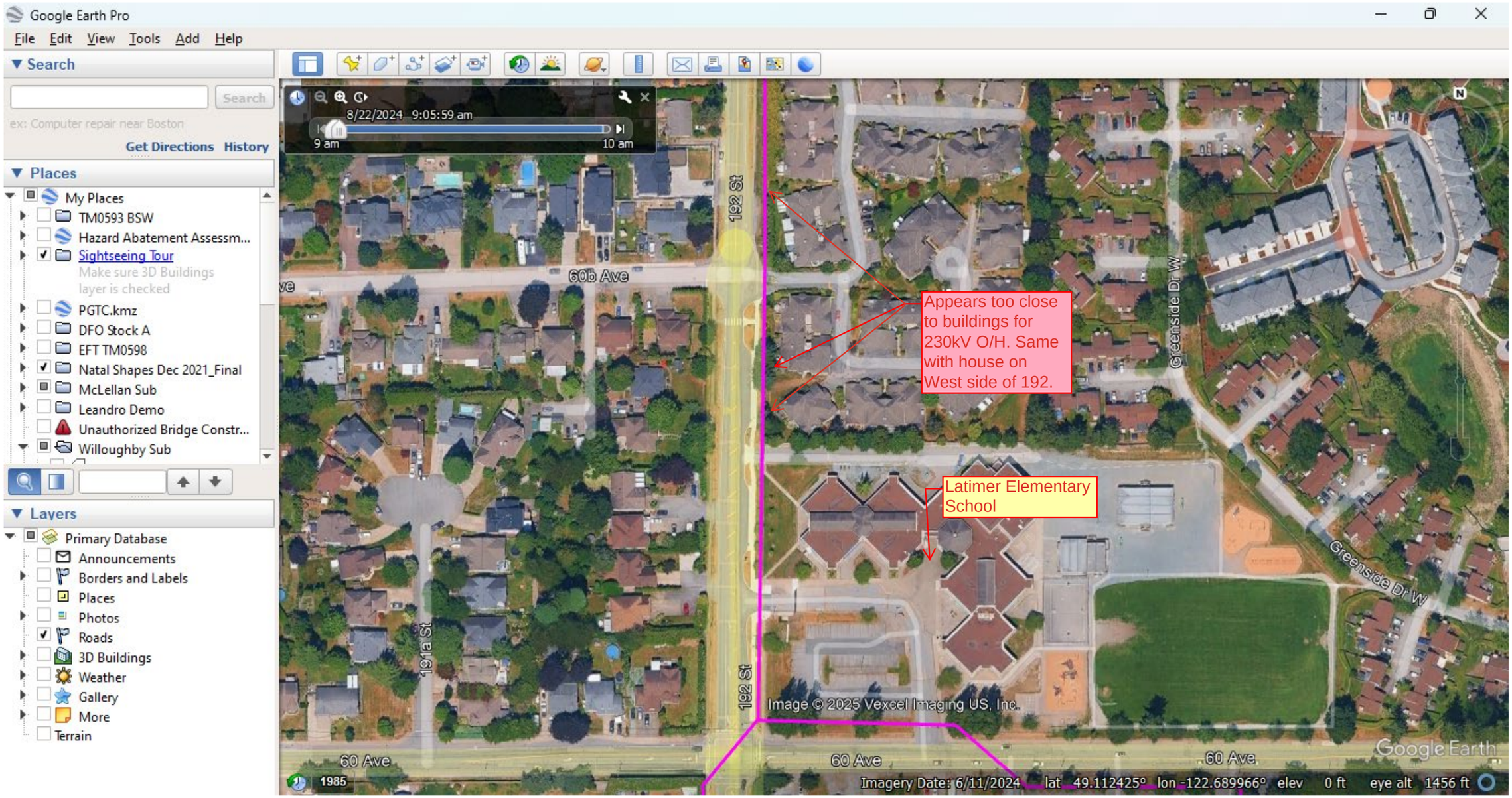
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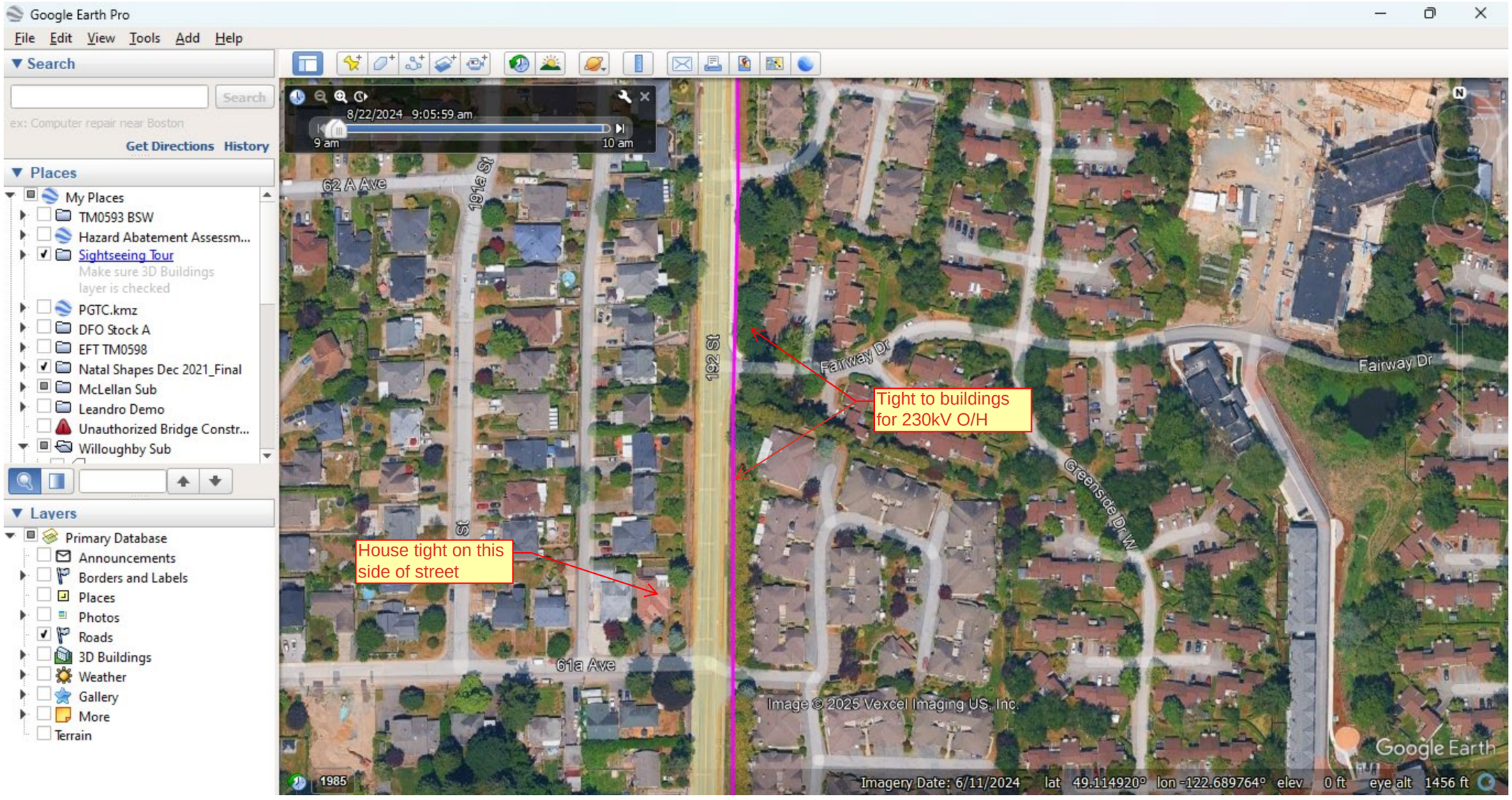
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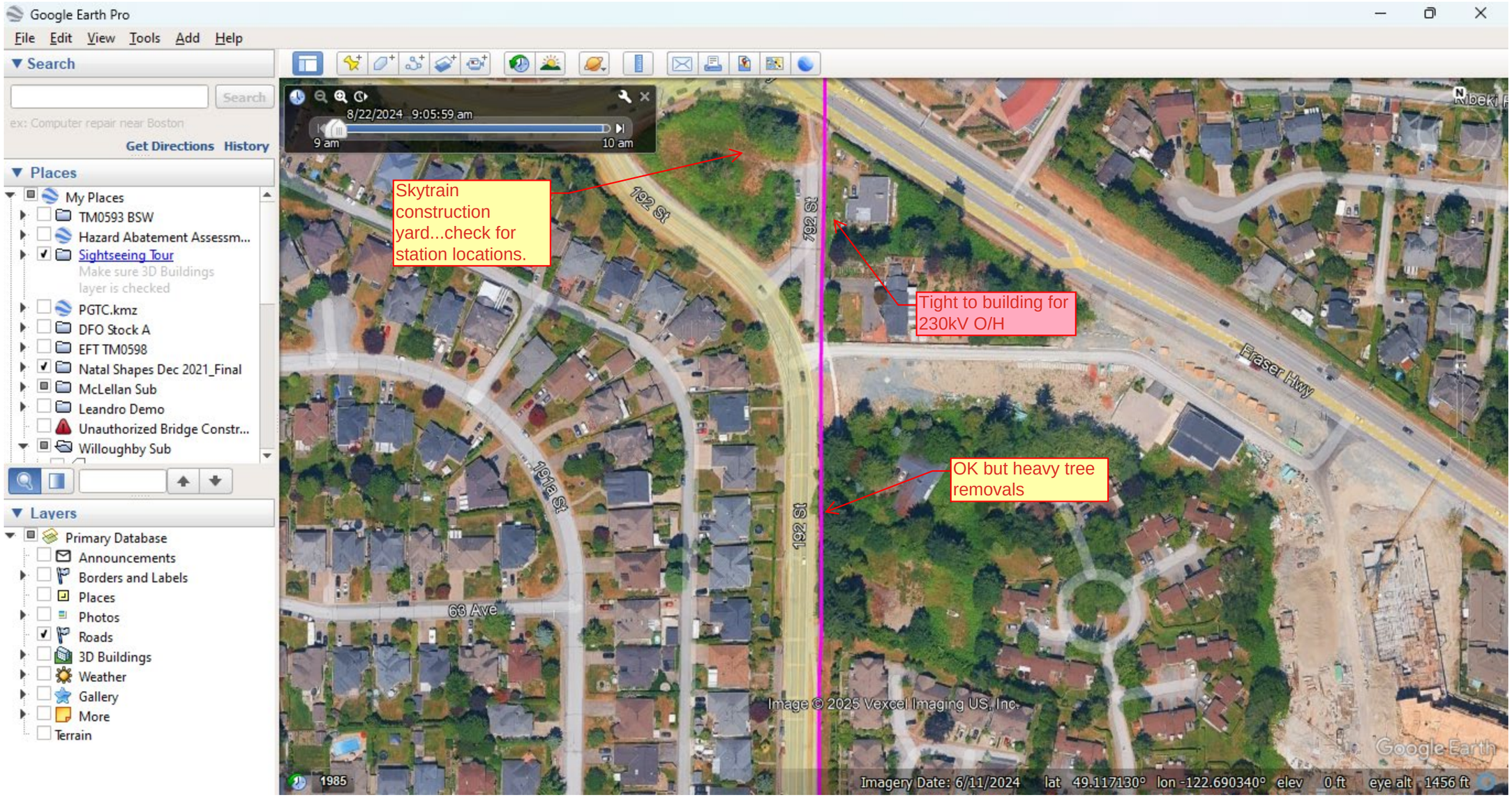
1985

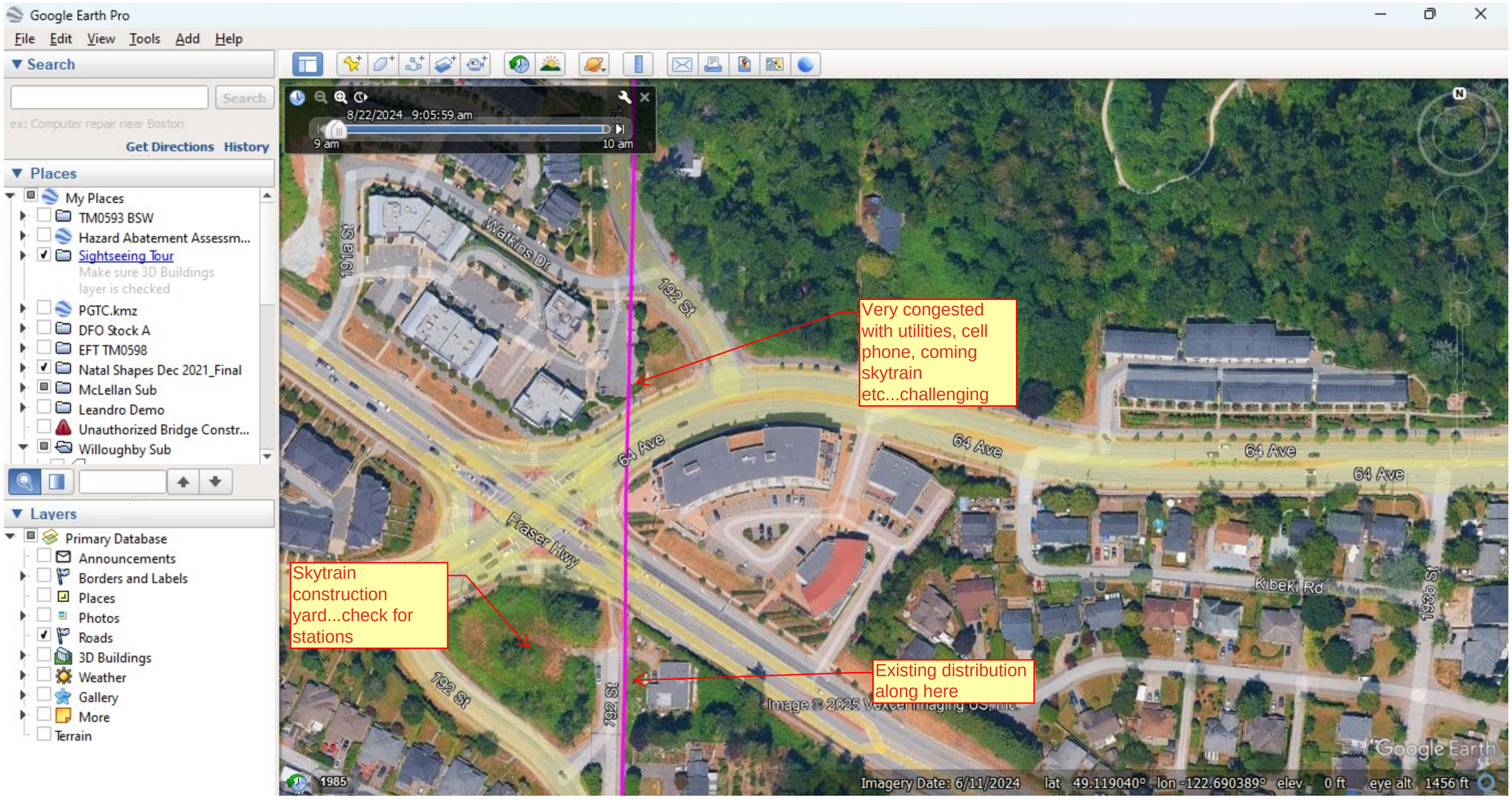
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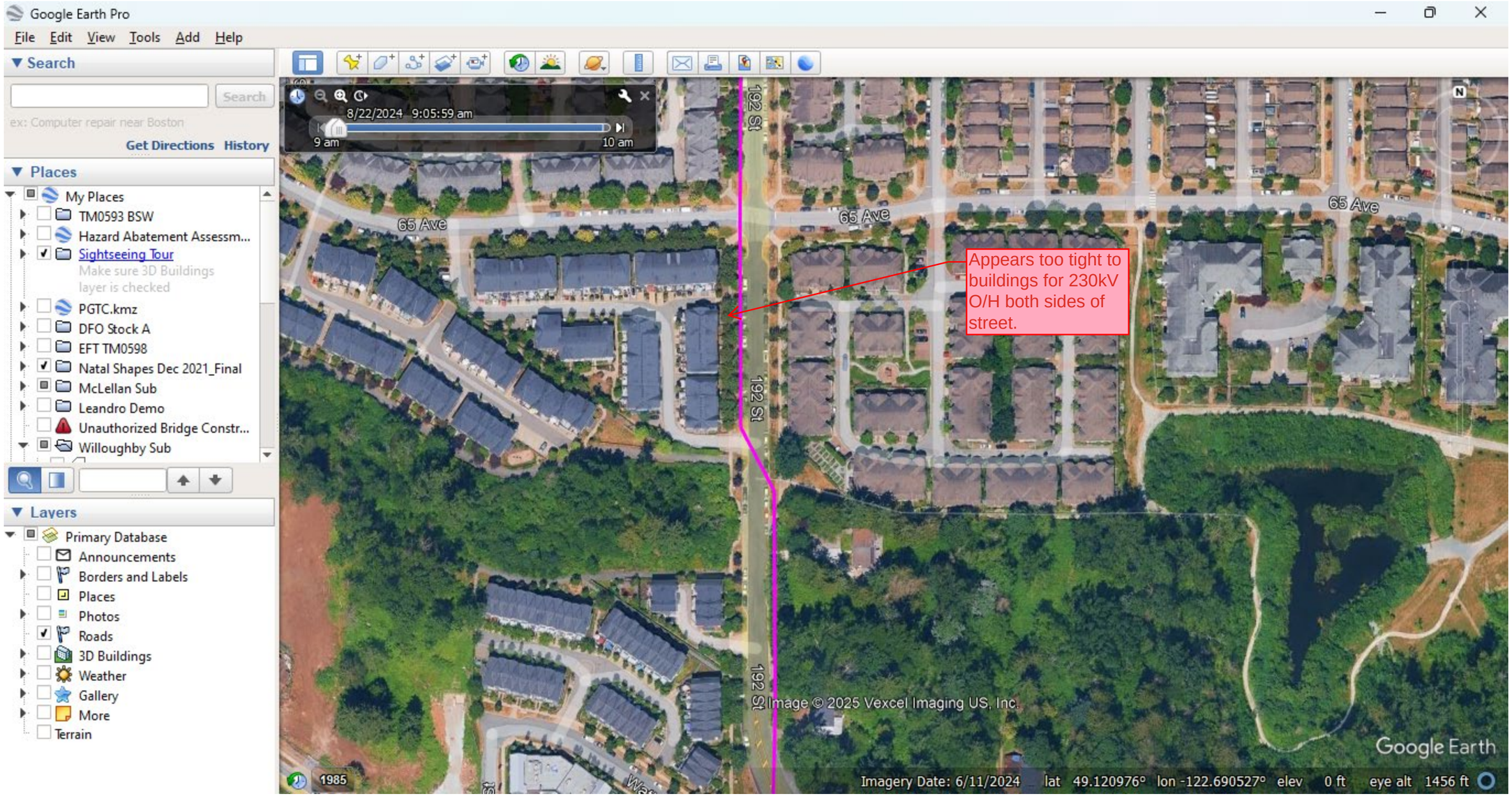

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Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
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9 am
10 am
Garage is too close for 230kV O/H.
59 Ave
58 Ave
191a St
192 St
Enterprise Way
Enterprise Way
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Imagery Date: 6/11/2024 lat 49.108170° lon -122.691007° elev 0 ft eye alt 1144 ft

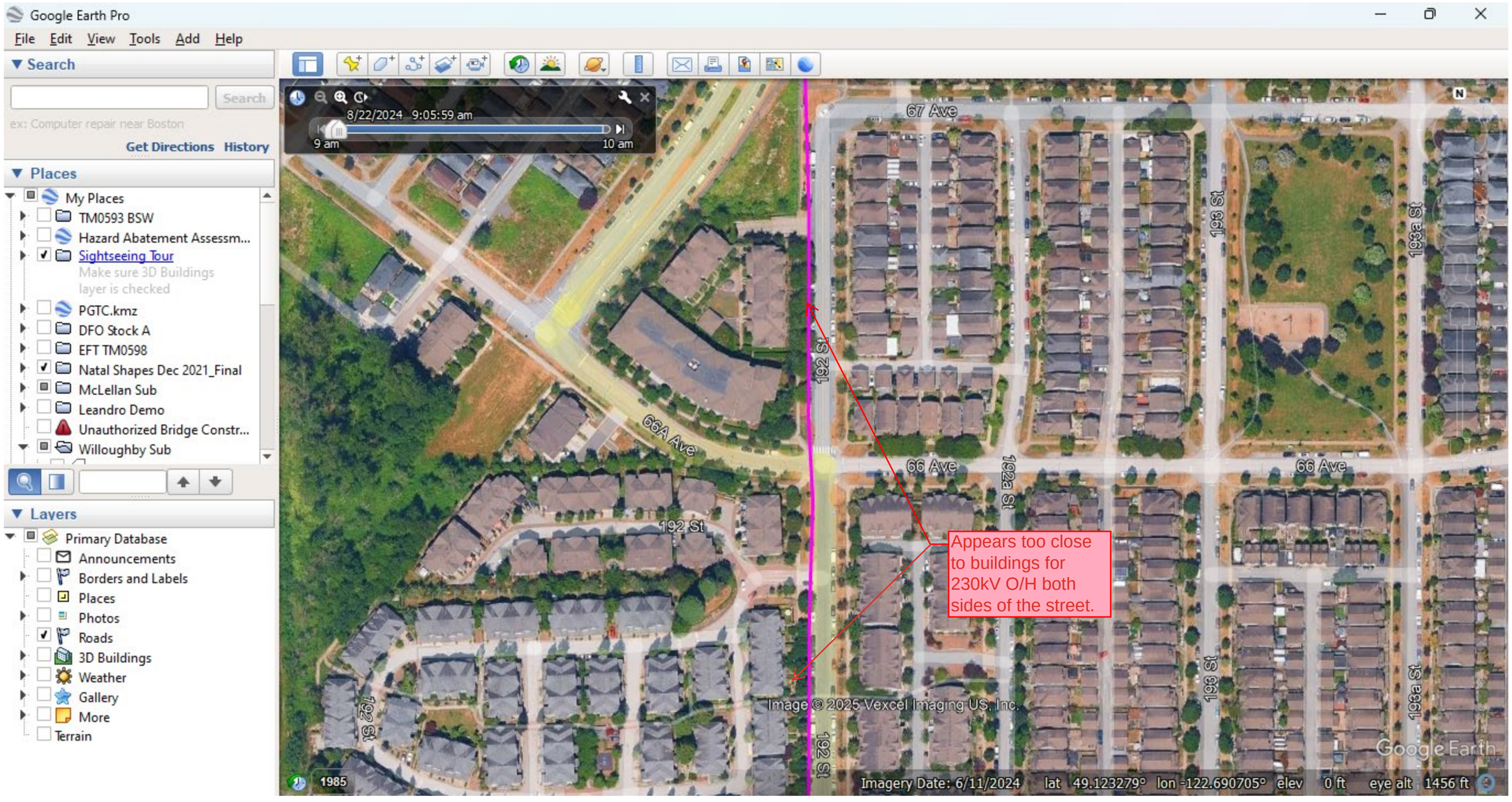

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Terrain
8/22/2024 9:05:59 am
9 am
10 am
192 St
60b Ave
Greenside Dr W
Appears too close to buildings for 230kV O/H. Same with house on West side of 192.
Latimer Elementary School
191a St
192 St
60 Ave
60 Ave
60 Ave
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Imagery Date: 6/11/2024 lat 49.112425° lon -122.689966° elev 0 ft eye alt 1456 ft

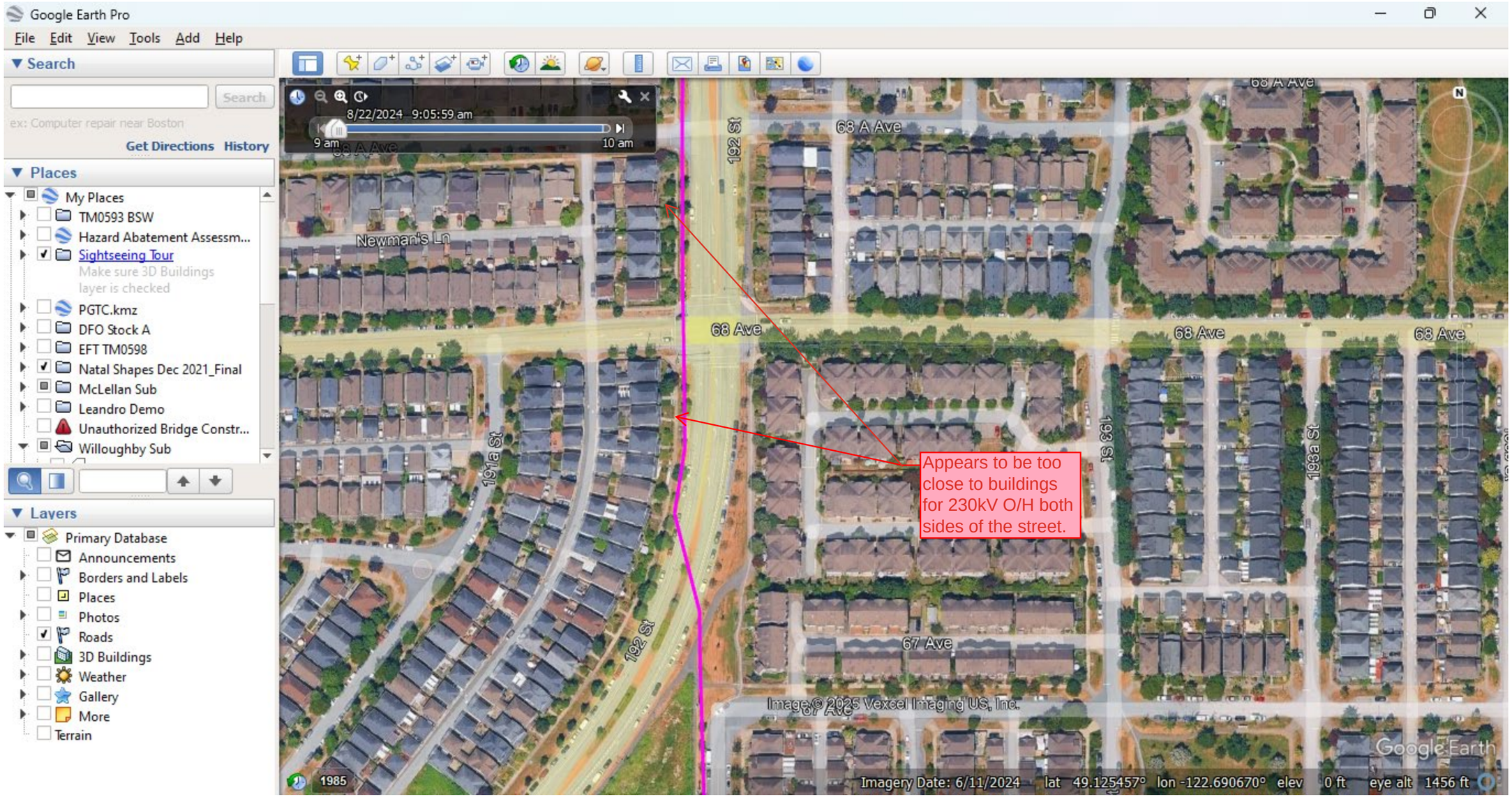

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DFO Stock A
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Leandro Demo
Unauthorized Bridge Constr...
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9 am
10 am
62 A Ave
191a St
192 St
Fairway Dr
Fairway Dr
Greenside Dr W
Tight to buildings for 230kV O/H
House tight on this side of street
61a Ave
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Imagery Date: 6/11/2024 lat 49.114920° lon -122.689764° elev 0 ft eye alt 1456 ft

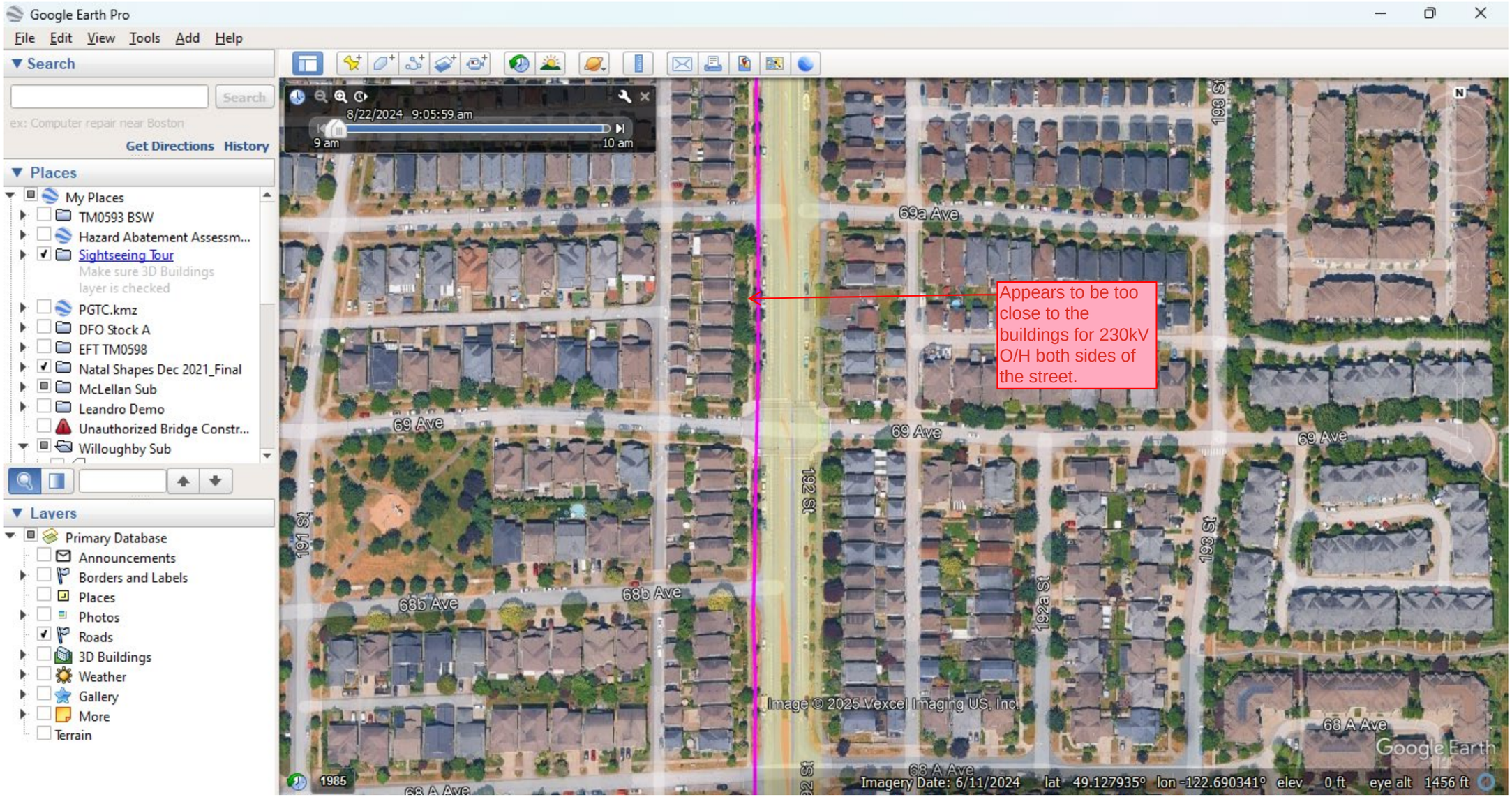

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9 am
10 am
Skytrain construction yard...check for station locations.
192 St
191a St
66 Ave
Tight to building for 230kV O/H
Fraser Hwy
OK but heavy tree removals
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9 am
10 am
191a St
Watkins Dr
192 St
64 Ave
Fraser Hwy
Kibeki Rd
193b St
Very congested with utilities, cell phone, coming skytrain etc...challenging
Skytrain construction yard...check for stations
Existing distribution along here
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8/22/2024 9:05:59 am
9 am
10 am
192 St
65 Ave
Appears too tight to buildings for 230kV O/H both sides of street.
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10 am
67 Ave
66A Ave
66 Ave
192 St
192a St
193 St
193a St
Appears too close to buildings for 230kV O/H both sides of the street.
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9 am
10 am
68 A Ave
Newman's Ln
192 St
68 Ave
193 St
191a St
193a St
132 St
67 Ave
Appears to be too close to buildings for 230kV O/H both sides of the street.
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9 am
10 am
Appears to be too close to the buildings for 230kV O/H both sides of the street.
69a Ave
69 Ave
68b Ave
68 A Ave
191 St
192 St
192a St
193 St
193 St
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Imagery Date: 6/11/2024 lat 49.127935° lon -122.690341° elev 0 ft eye alt 1456 ft

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  - Leandro Demo
  - Unauthorized Bridge Constr...
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8/22/2024 9:05:59 am

9 am 10 am

71 Ave

192 St

192a St

193 St

Fisher Dr

191 St

70 Ave

192 St

70 Ave

70 Ave

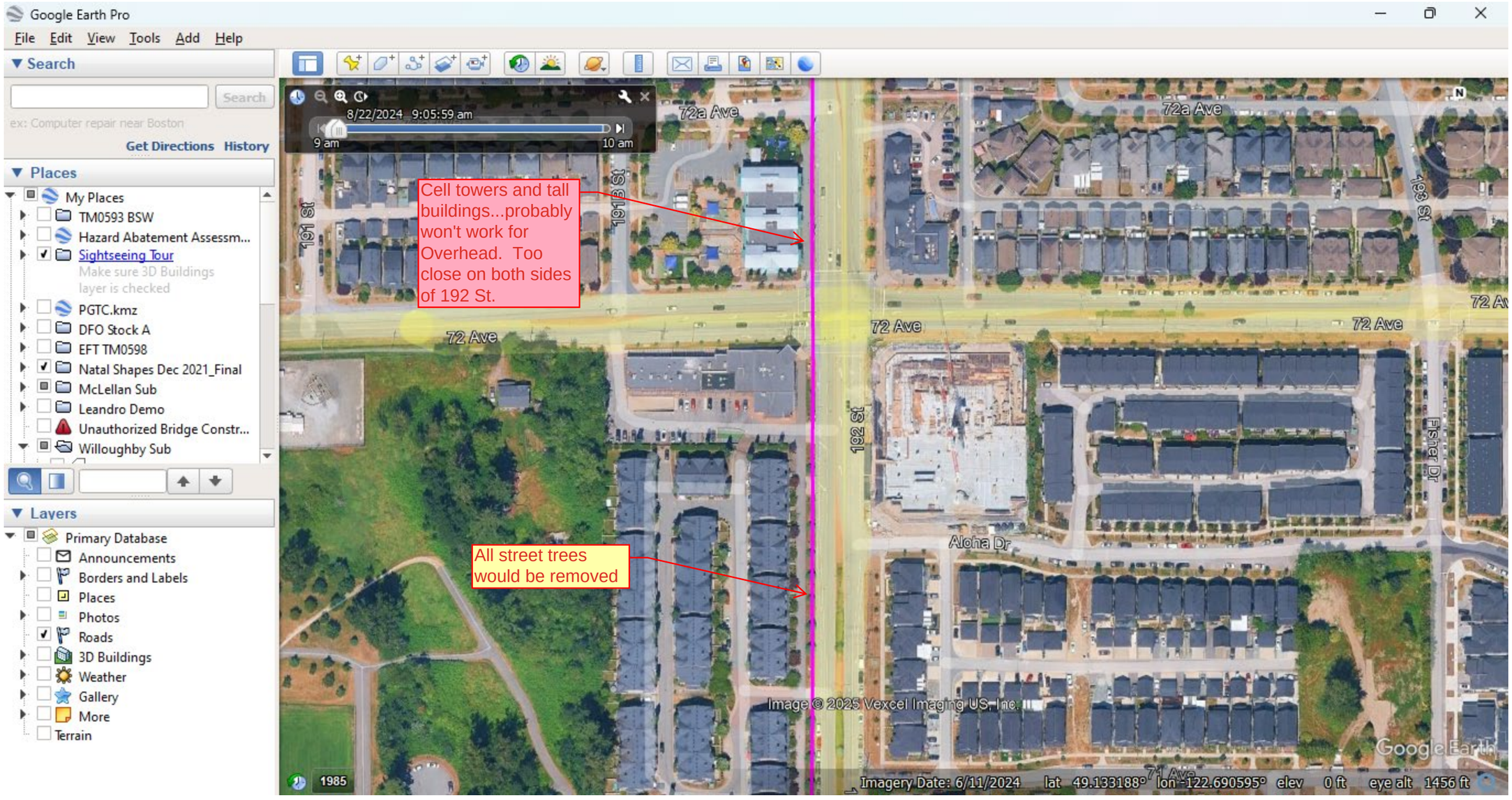
193 St

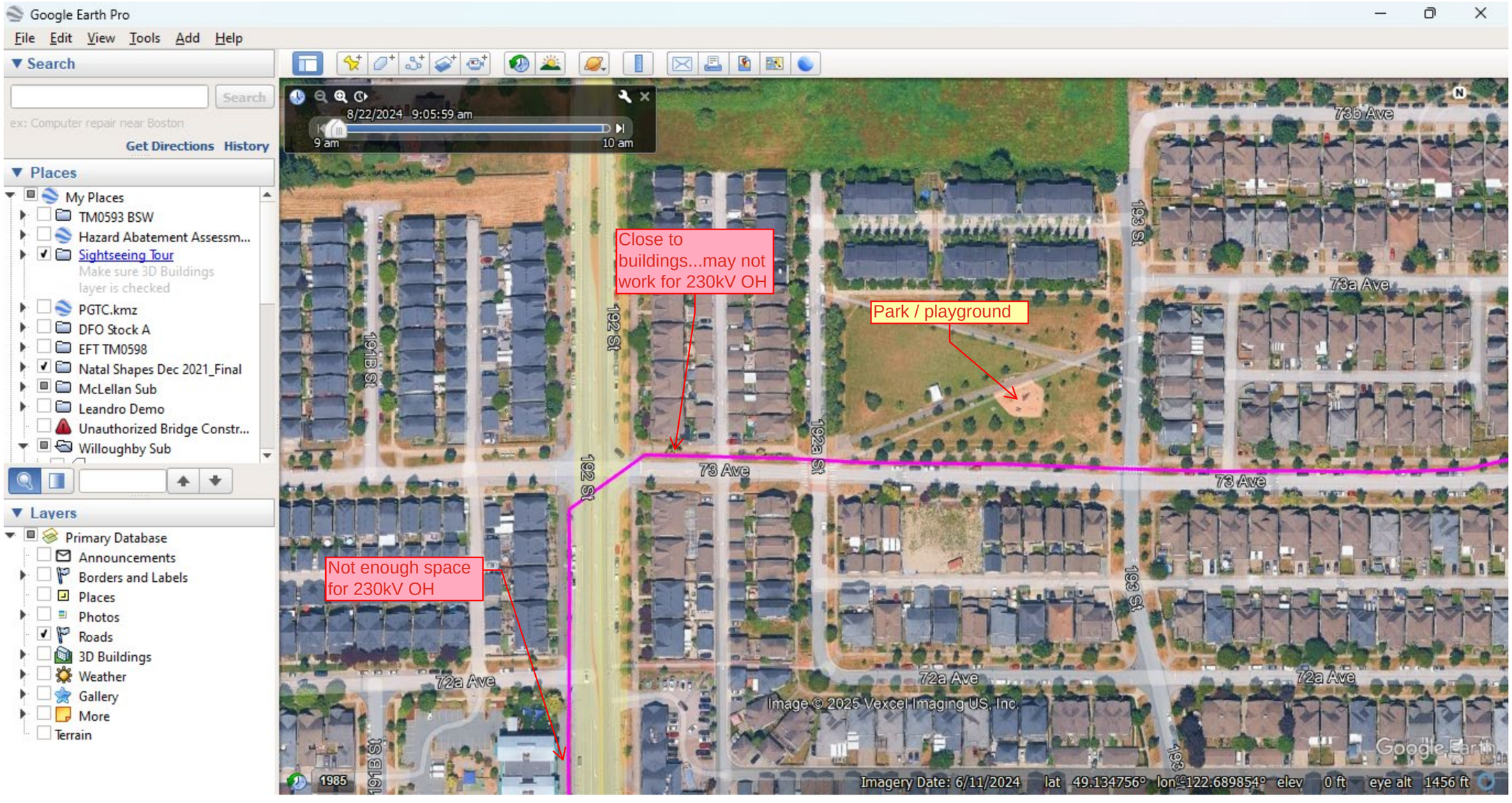
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Google Earth

1985

Imagery Date: 6/11/2024 lat 49.130617° lon -122.690471° elev 0 ft eye alt 1456 ft


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File Edit View Tools Add Help
Search
Search
ex: Computer repair near Boston
Get Directions History
Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Cell towers and tall buildings...probably won't work for Overhead. Too close on both sides of 192 St.
All street trees would be removed
72a Ave
191 St
191a St
193 St
72 Ave
192 St
Aloha Dr
Fisher Dr
71 Ave
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
1985
Imagery Date: 6/11/2024 lat 49.133188° lon -122.690595° elev 0 ft eye alt 1456 ft


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My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
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Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
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Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Close to buildings...may not work for 230kV OH
Park / playground
Not enough space for 230kV OH
73b Ave
73a Ave
73 Ave
72a Ave
193 St
192 St
191B St
192a St
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Google Earth
1985
Imagery Date: 6/11/2024 lat 49.134756° lon -122.689854° elev 0 ft eye alt 1456 ft

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Search

ex: Computer repair near Boston

Get Directions History

▼ Places

- My Places
  - TM0593 BSW
  - Hazard Abatement Assessm...
  - Sightseeing Tour
    Make sure 3D Buildings layer is checked
  - PGTC.kmz
  - DFO Stock A
  - EFT TM0598
  - Natal Shapes Dec 2021_Final
  - McLellan Sub
  - Leandro Demo
  - Unauthorized Bridge Constr...
  - Willoughby Sub

▼ Layers

- Primary Database
  - Announcements
  - Borders and Labels
  - Places
  - Photos
  - Roads
  - 3D Buildings
  - Weather
  - Gallery
  - More
- Terrain

8/22/2024 9:05:59 am

9 am 10 am

73b Ave

73a Ave

194a St

194 St

73 Ave

72a Ave

195 St

195A St

Houses probably too close and won't work as O/H...both sides of 194St

Excellent O/H and U/G alignment thru these areas

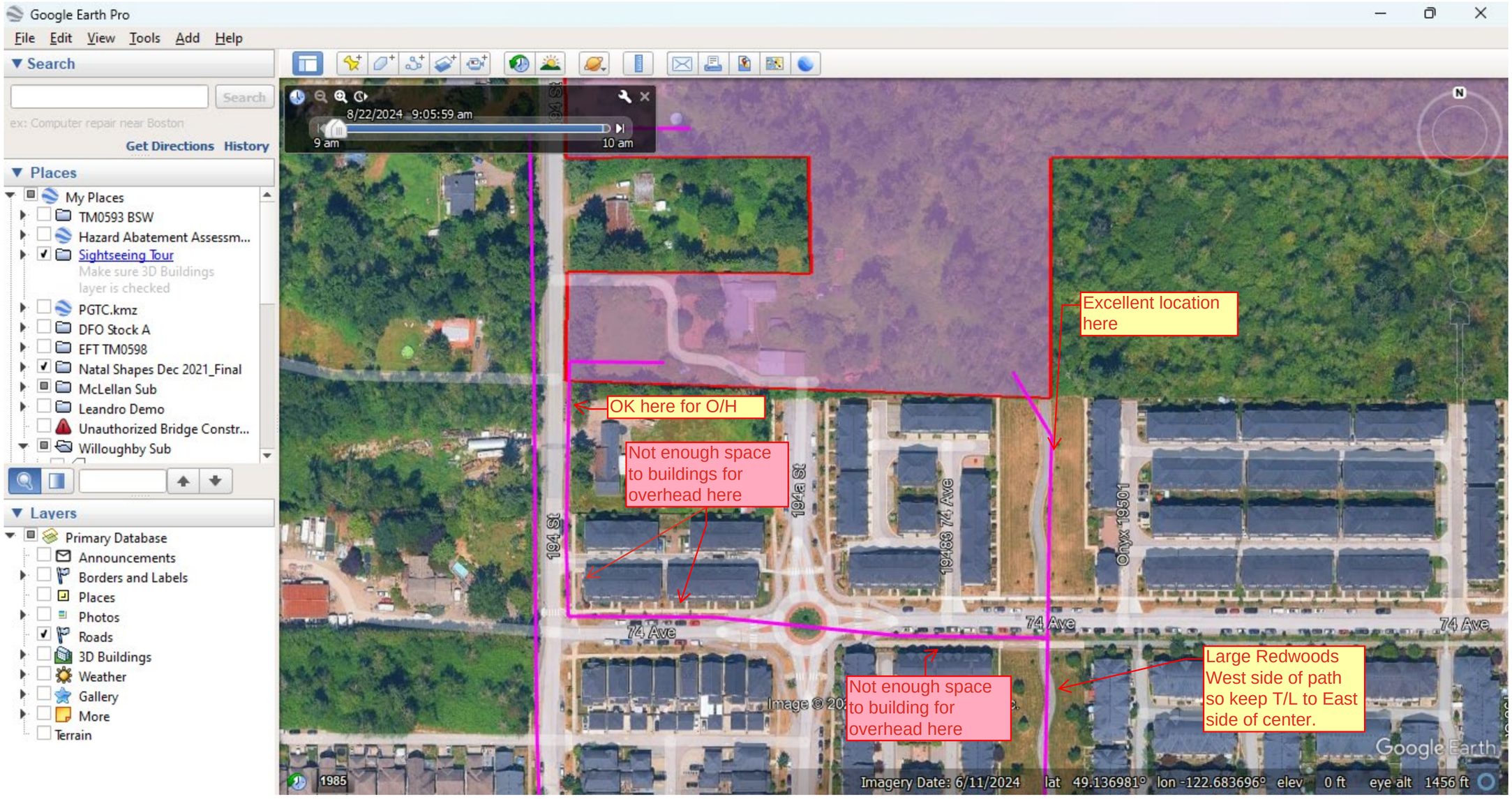
Excellent O/H or UG

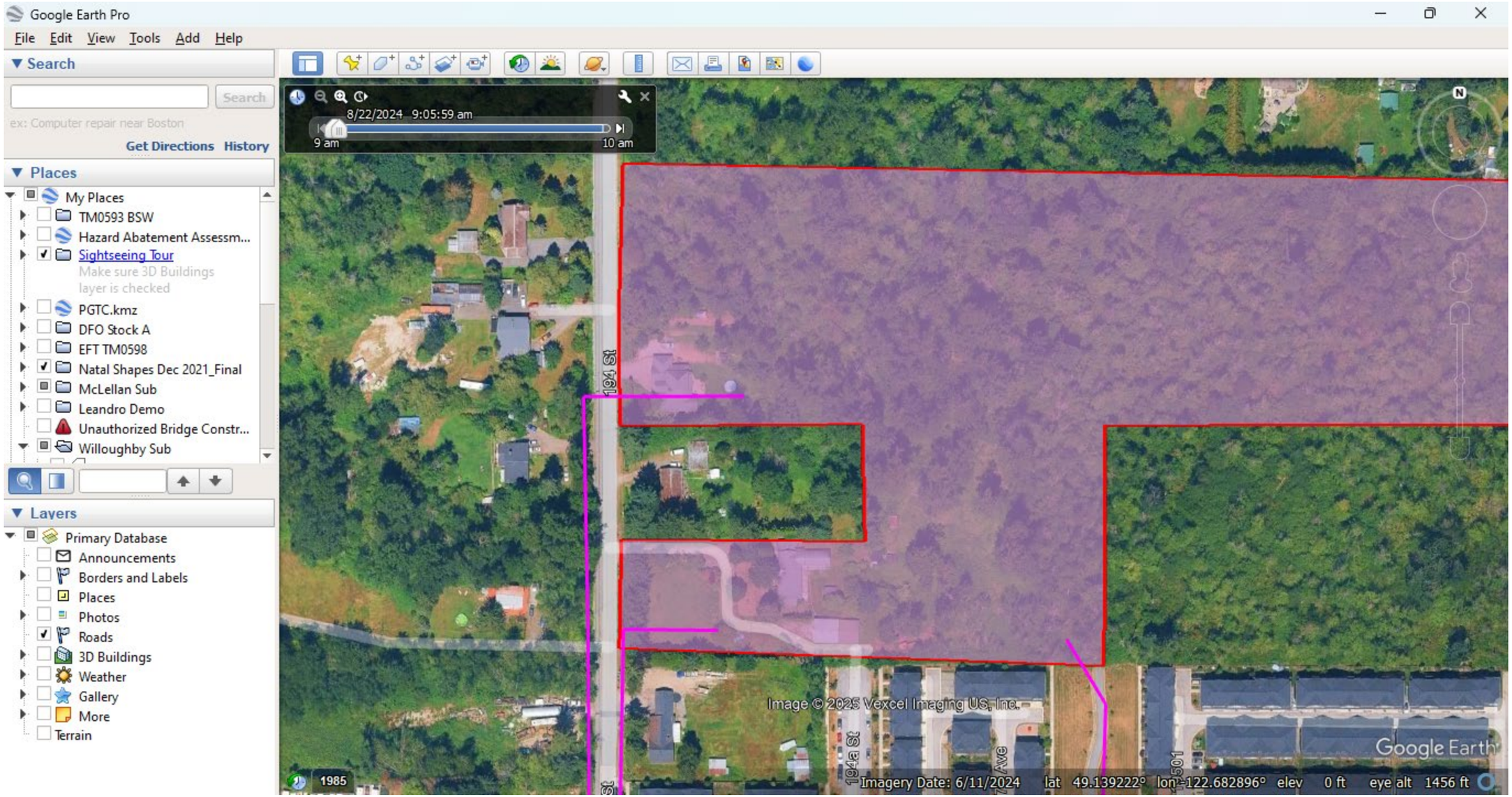
Image © 2025 Vexcel Imaging US, Inc.

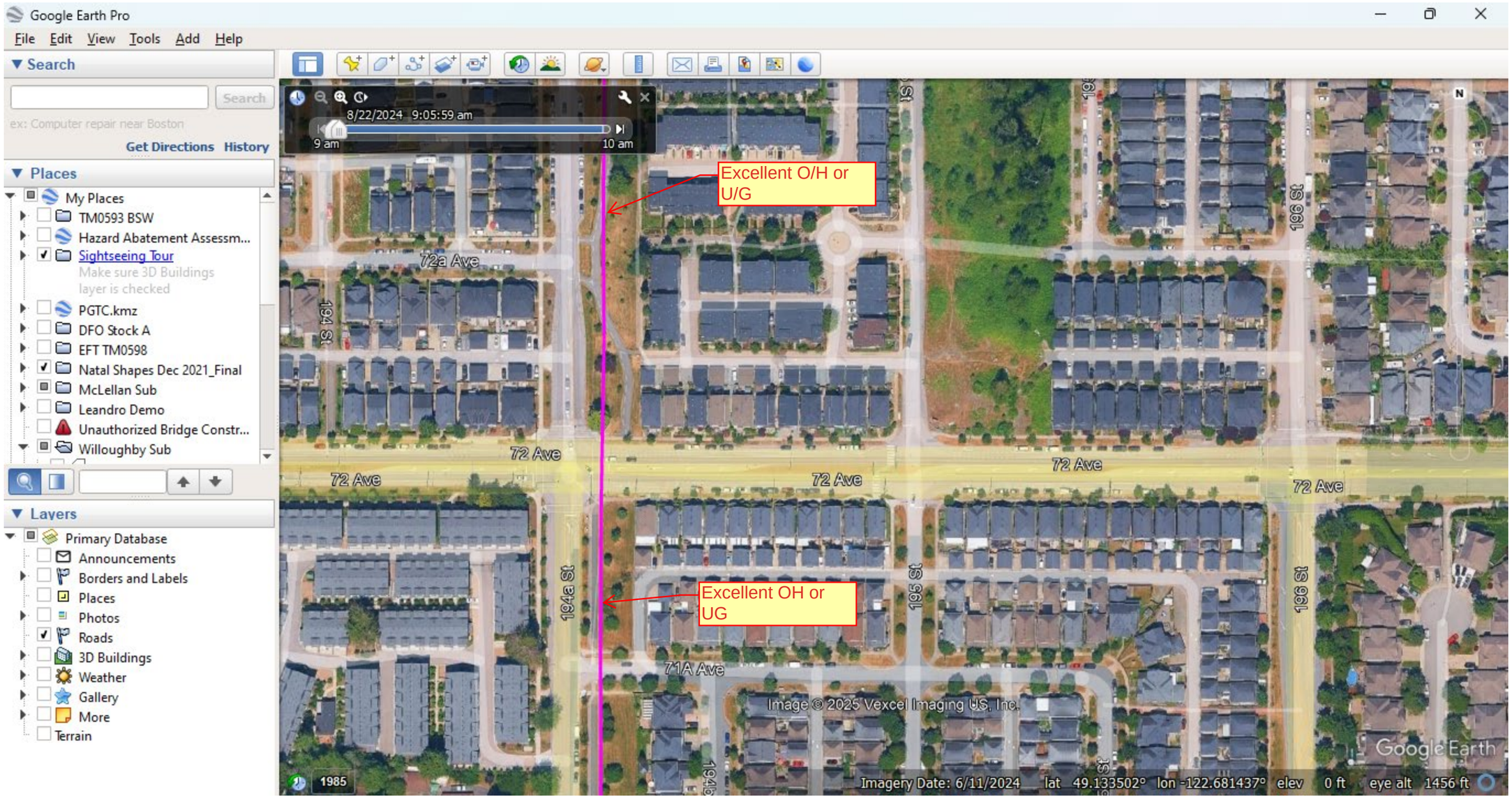
Google Earth

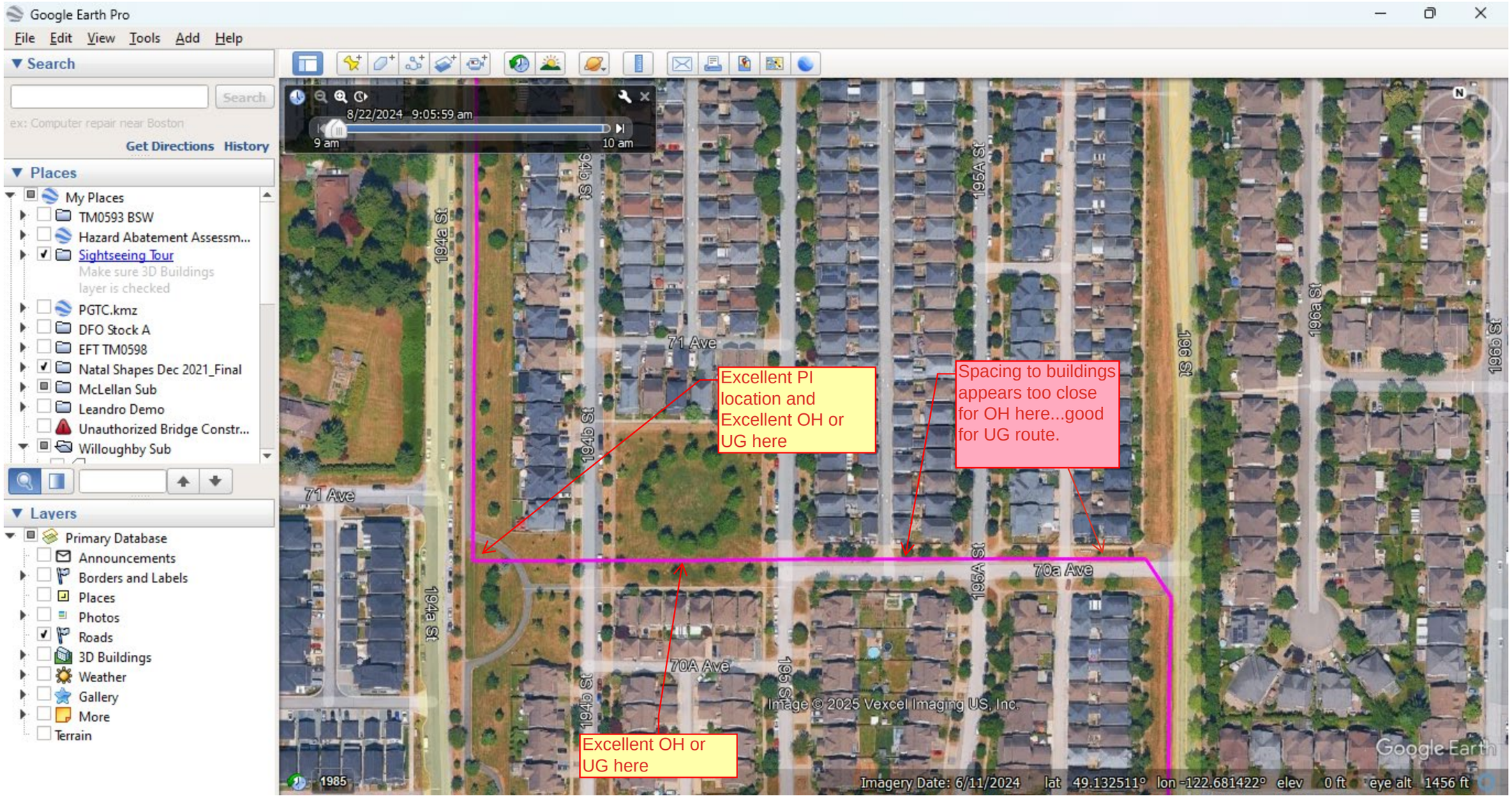
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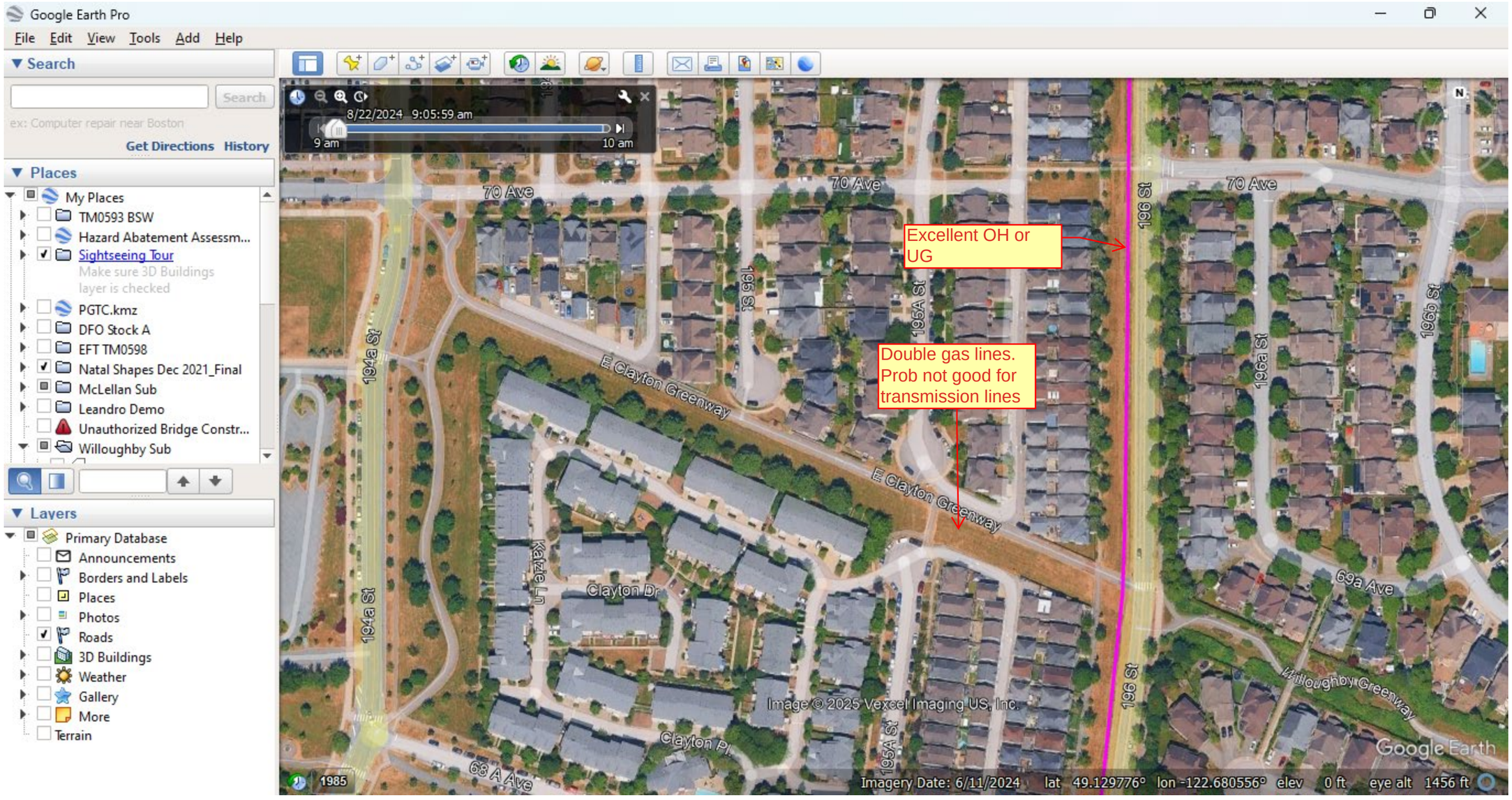
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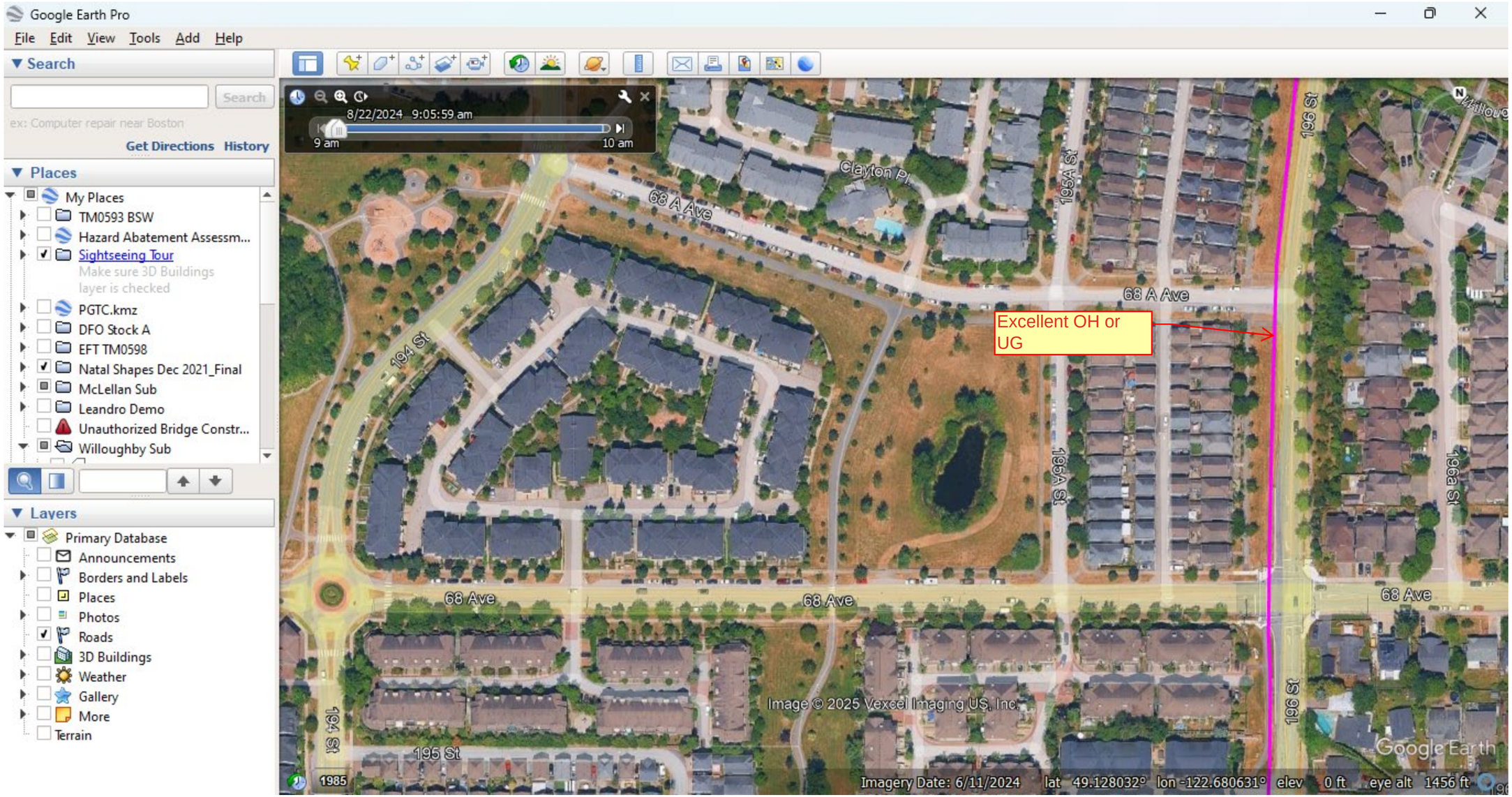

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Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Excellent location here
OK here for O/H
Not enough space to buildings for overhead here
Not enough space to building for overhead here
Large Redwoods West side of path so keep T/L to East side of center.
194 St
194a St
194a St
19483 74 Ave
Onyx 19501
74 Ave
74 Ave
74 Ave
Image © 20
Google Earth
1985
Imagery Date: 6/11/2024 lat 49.136981° lon -122.683696° elev 0 ft eye alt 1456 ft


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Get Directions History
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My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
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DFO Stock A
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Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
194 St
N
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
1985
Imagery Date: 6/11/2024 lat 49.139222° lon -122.682896° elev 0 ft eye alt 1456 ft


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ex: Computer repair near Boston
Get Directions History
Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Excellent O/H or U/G
Excellent OH or UG
72a Ave
72 Ave
71A Ave
194 St
194a St
195 St
196 St
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
1985
Imagery Date: 6/11/2024 lat 49.133502° lon -122.681437° elev 0 ft eye alt 1456 ft


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Search
ex: Computer repair near Boston
Get Directions History
Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Excellent PI location and Excellent OH or UG here
Spacing to buildings appears too close for OH here...good for UG route.
Excellent OH or UG here
71 Ave
70A Ave
70a Ave
194a St
194b St
195A St
196 St
196a St
196b St
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
1985
Imagery Date: 6/11/2024 lat 49.132511° lon -122.681422° elev 0 ft eye alt 1456 ft


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Search
Search
ex: Computer repair near Boston
Get Directions History
Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
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Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Excellent OH or UG
Double gas lines. Prob not good for transmission lines
70 Ave
194a St
195 St
195A St
196 St
196a St
196b St
E Clayton Greenway
Katzie Ln
Clayton Dr
Clayton Pl
68 A Ave
69a Ave
Willoughby Greenway
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1985
Imagery Date: 6/11/2024 lat 49.129776° lon -122.680556° elev 0 ft eye alt 1456 ft


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Sightseeing Tour
Make sure 3D Buildings layer is checked
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DFO Stock A
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Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Clayton Pl
68 A Ave
195A St
196 St
Excellent OH or UG
194 St
68 Ave
195 St
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Imagery Date: 6/11/2024 lat 49.128032° lon -122.680631° elev 0 ft eye alt 1456 ft

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ex: Computer repair near Boston

Get Directions History

Places

My Places
- TM0593 BSW
- Hazard Abatement Assessm...
- Sightseeing Tour
  Make sure 3D Buildings layer is checked
- PGTC.kmz
- DFO Stock A
- EFT TM0598
- Natal Shapes Dec 2021_Final
- McLellan Sub
- Leandro Demo
- Unauthorized Bridge Constr...
- Willoughby Sub

Layers

Primary Database
- Announcements
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- Roads
- 3D Buildings
- Weather
- Gallery
- More
- Terrain

8/22/2024 9:05:59 am

9 am 10 am

Excellent OH or UG

Existing OH D line East side of Rd

195 St

67a Ave

66A Ave

66 Ave

194 St

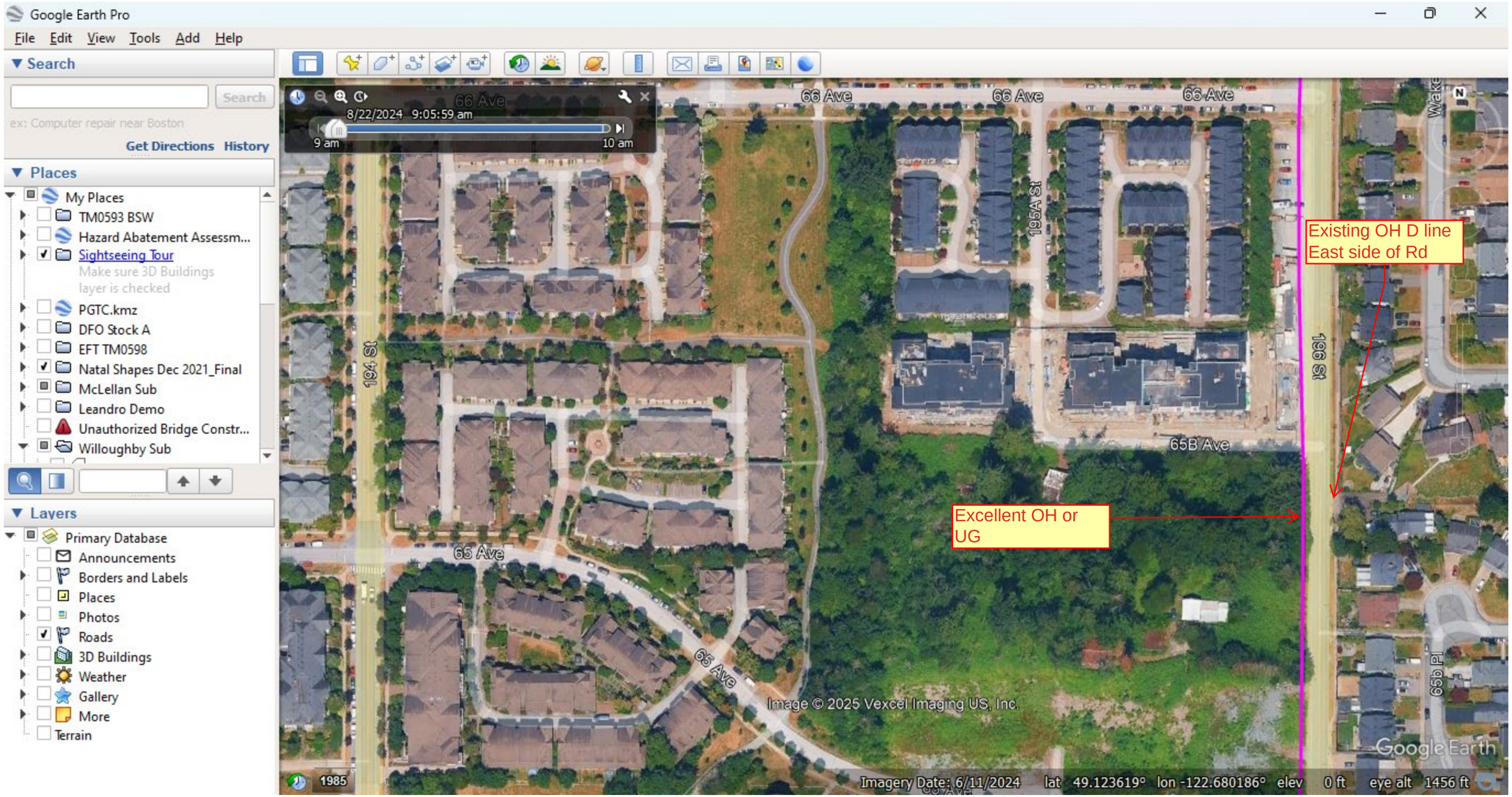
196 St

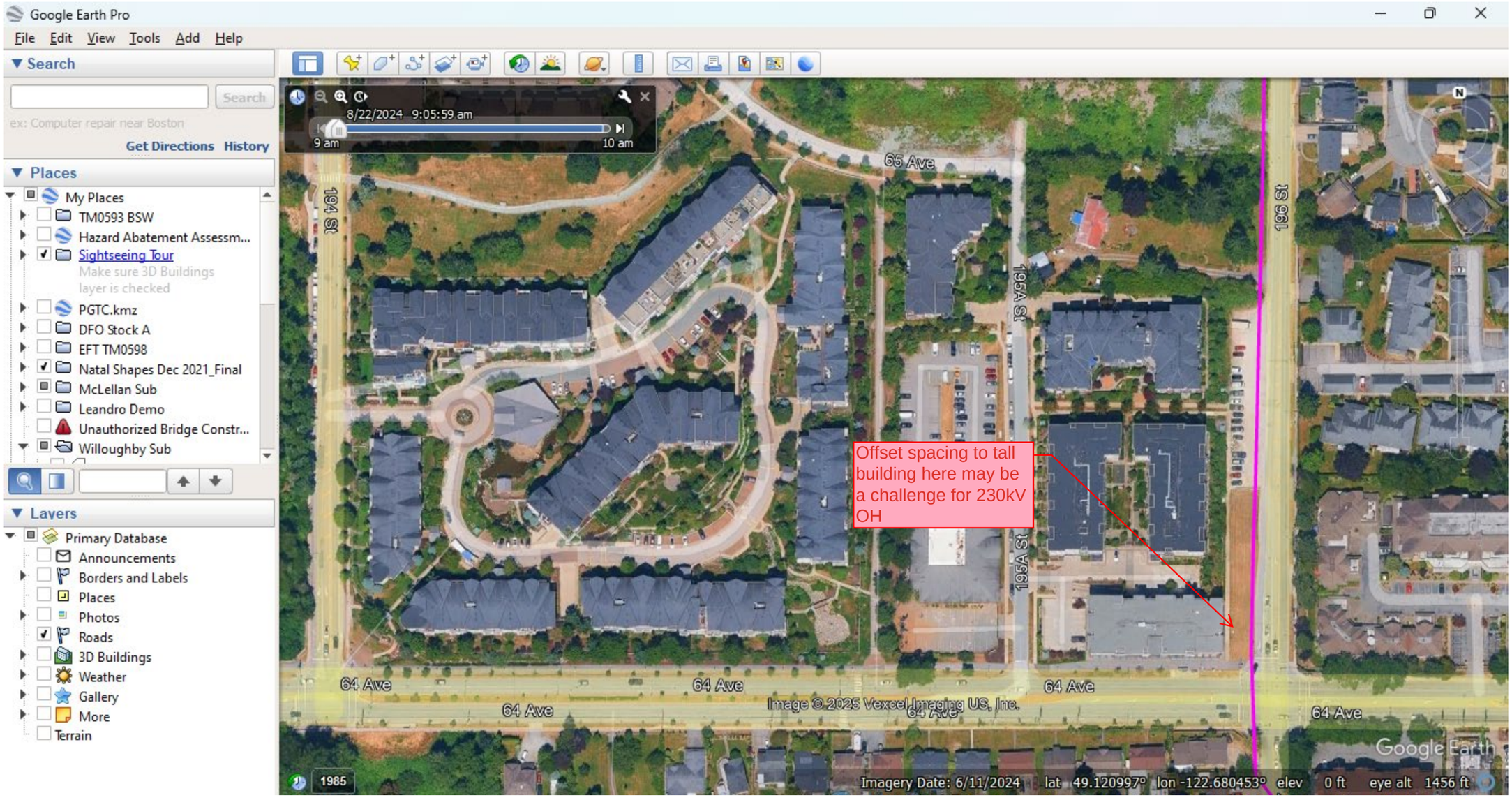
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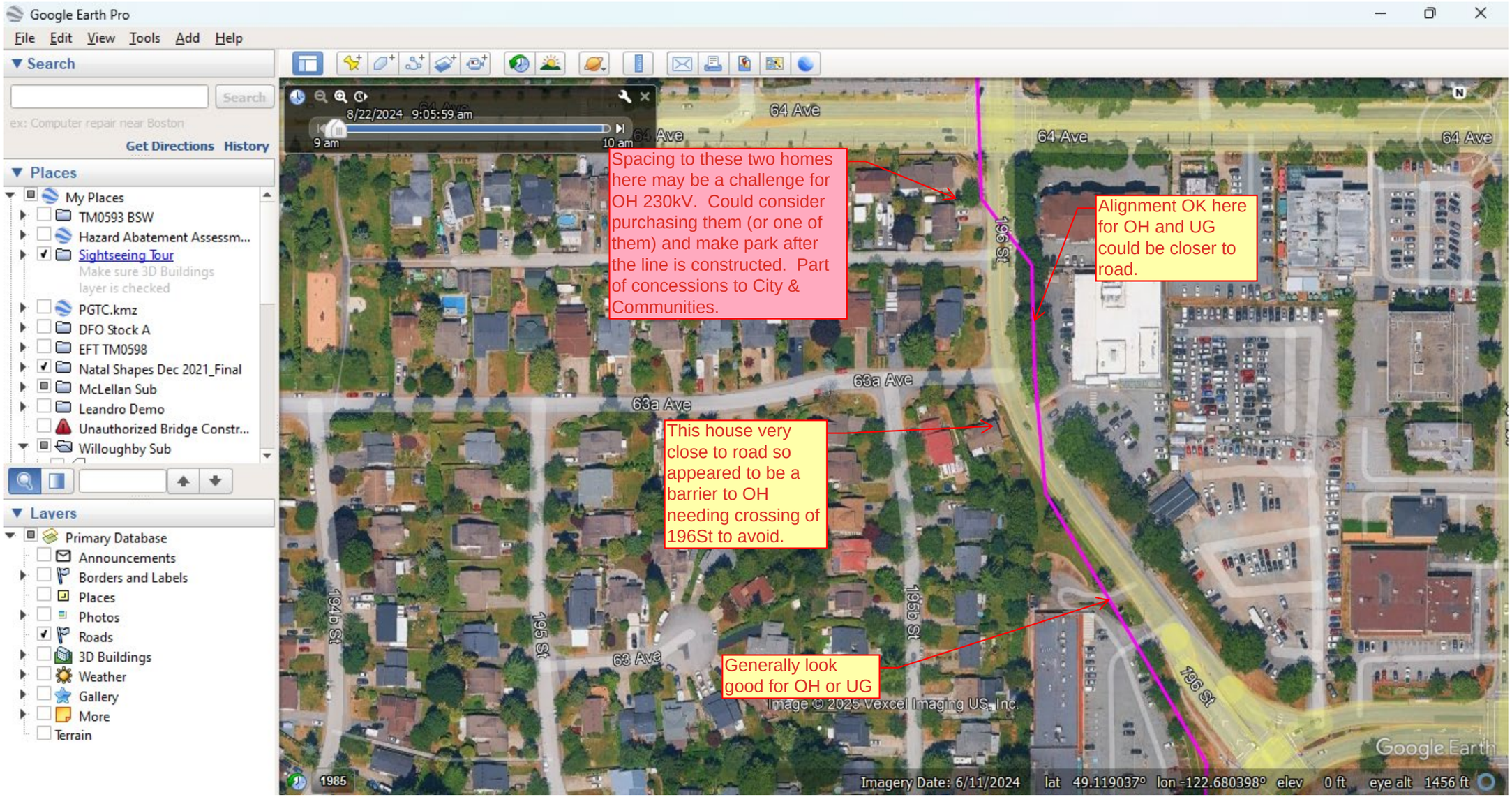
Google Earth

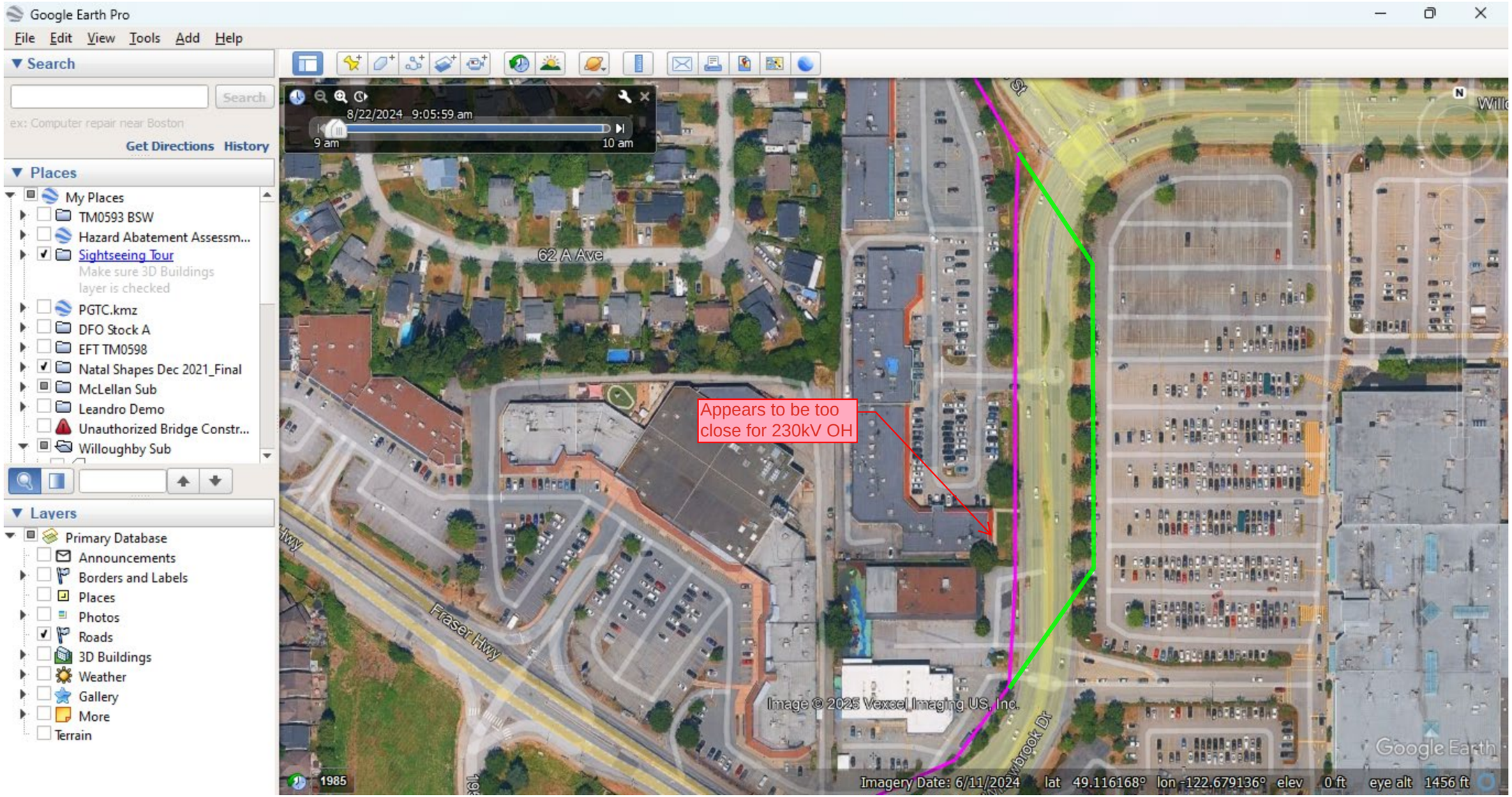
1985

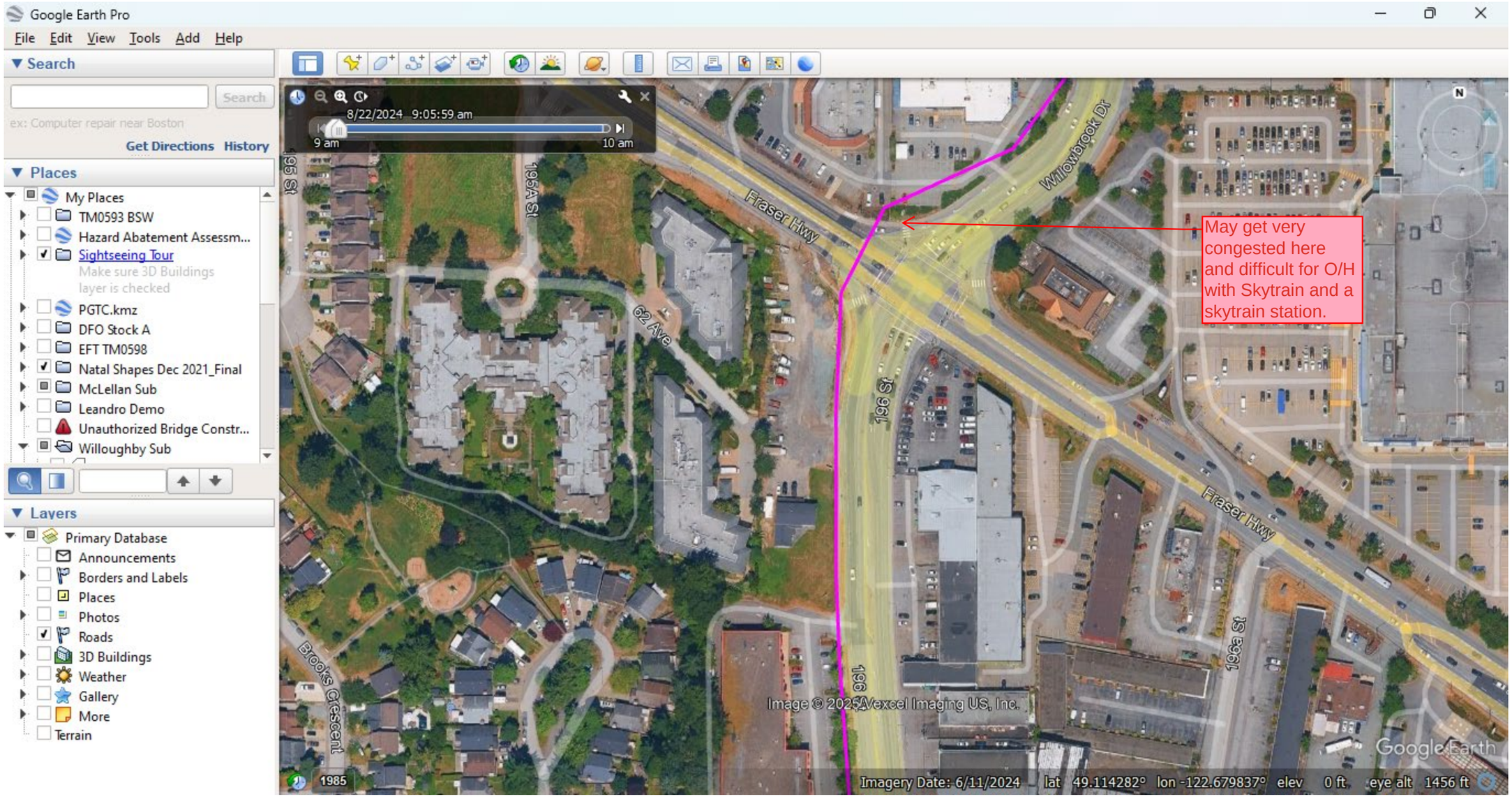
Imagery Date: 6/11/2024 lat 49.126015° lon -122.681686° elev 0 ft eye alt 1456 ft


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My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
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Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
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Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
66 Ave
66 Ave
66 Ave
66 Ave
195A St
196 St
194 St
65B Ave
65 Ave
65 Ave
69 Pl
Existing OH D line
East side of Rd
Excellent OH or
UG
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Imagery Date: 6/11/2024 lat 49.123619° lon -122.680186° elev 0 ft eye alt 1456 ft


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My Places
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Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
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Natal Shapes Dec 2021_Final
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Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
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Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
65 Ave
194 St
195A St
199 St
Offset spacing to tall building here may be a challenge for 230kV OH
64 Ave
64 Ave
64 Ave
64 Ave
64 Ave
Image © 2025 Vexcel Imaging US, Inc.
Google Earth
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Imagery Date: 6/11/2024 lat 49.120997° lon -122.680453° elev 0 ft eye alt 1456 ft


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ex: Computer repair near Boston
Get Directions History
Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
Places
Photos
Roads
3D Buildings
Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
Spacing to these two homes here may be a challenge for OH 230kV. Could consider purchasing them (or one of them) and make park after the line is constructed. Part of concessions to City & Communities.
Alignment OK here for OH and UG could be closer to road.
This house very close to road so appeared to be a barrier to OH needing crossing of 196St to avoid.
Generally look good for OH or UG
64 Ave
63a Ave
63 Ave
194b St
195 St
195c St
196 St
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Google Earth
1985
Imagery Date: 6/11/2024 lat 49.119037° lon -122.680398° elev 0 ft eye alt 1456 ft


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My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
Primary Database
Announcements
Borders and Labels
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Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
62 A Ave
Appears to be too close for 230kV OH
Fraser Hwy
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Google Earth
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Imagery Date: 6/11/2024 lat 49.116168° lon -122.679136° elev 0 ft eye alt 1456 ft


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Places
My Places
TM0593 BSW
Hazard Abatement Assessm...
Sightseeing Tour
Make sure 3D Buildings layer is checked
PGTC.kmz
DFO Stock A
EFT TM0598
Natal Shapes Dec 2021_Final
McLellan Sub
Leandro Demo
Unauthorized Bridge Constr...
Willoughby Sub
Layers
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Weather
Gallery
More
Terrain
8/22/2024 9:05:59 am
9 am
10 am
195A St
62 Ave
Fraser Hwy
Willowbrook Dr
196 St
Brooks Crescent
May get very congested here and difficult for O/H with Skytrain and a skytrain station.
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Google Earth
1985
Imagery Date: 6/11/2024 lat 49.114282° lon -122.679837° elev 0 ft eye alt 1456 ft

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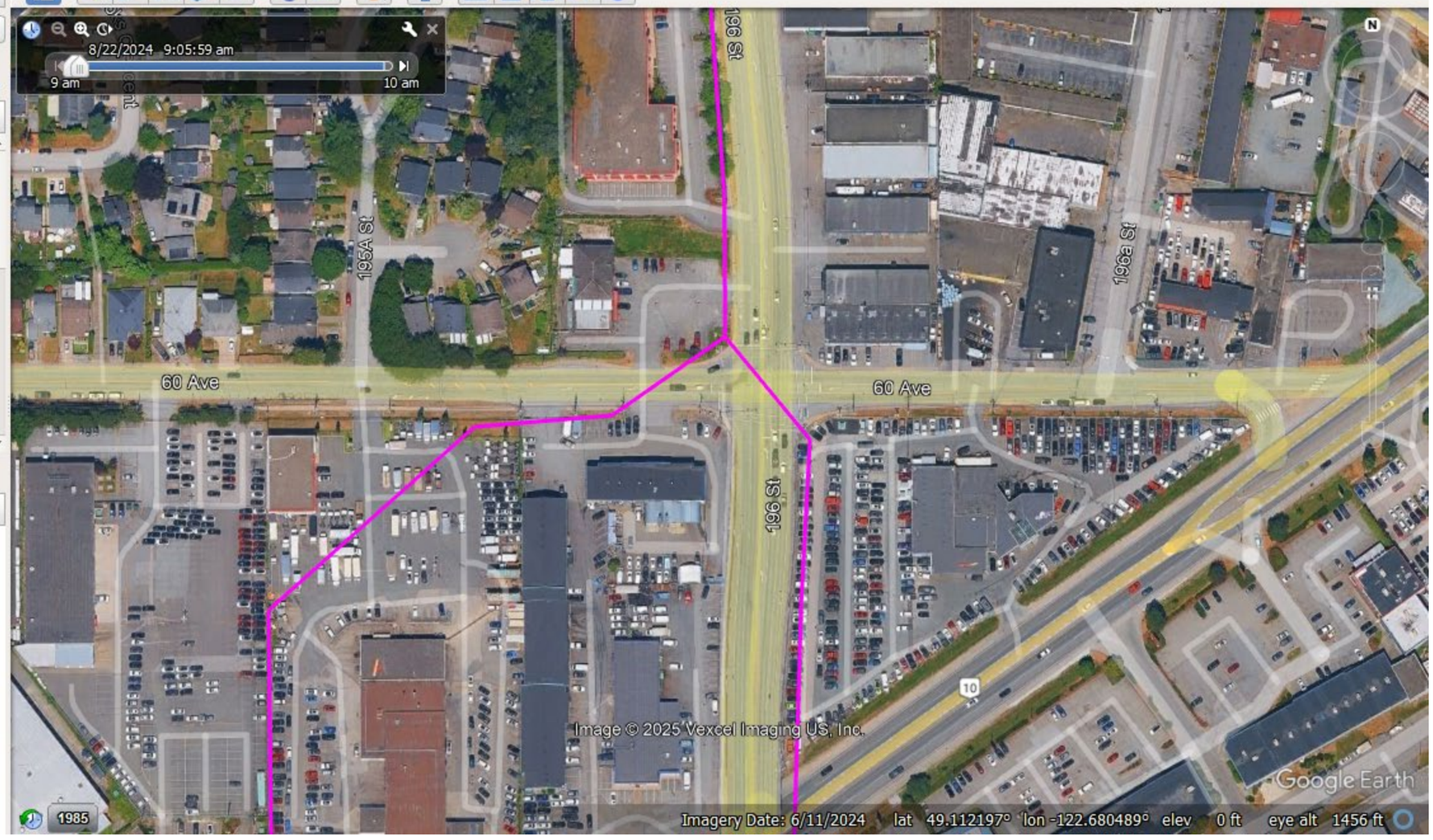
Get Directions History

▼ Places

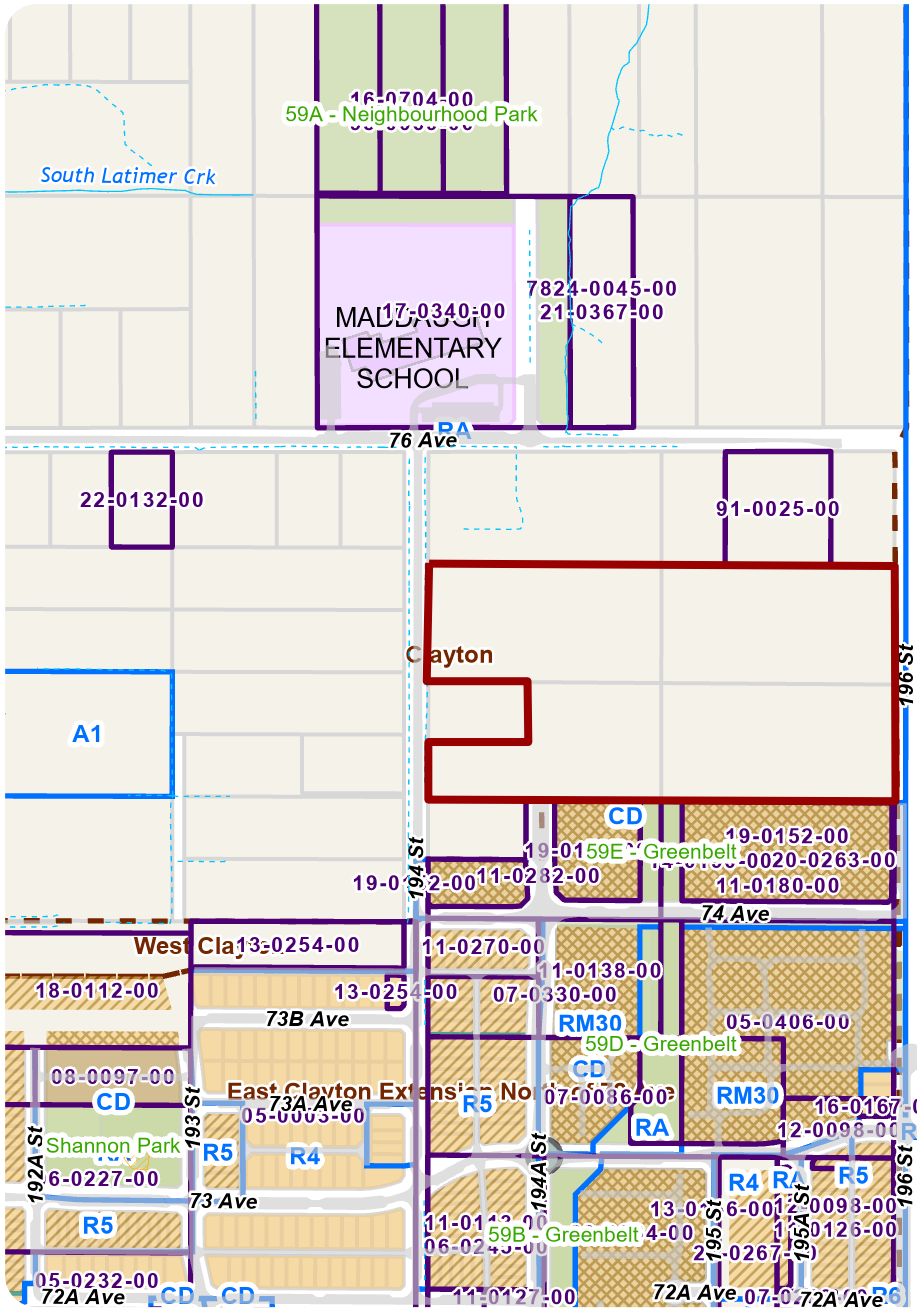
- My Places
  - TM0593 BSW
  - Hazard Abatement Assessm...
  - Sightseeing Tour
    Make sure 3D Buildings layer is checked
  - PGTC.kmz
  - DFO Stock A
  - EFT TM0598
  - Natal Shapes Dec 2021_Final
  - McLellan Sub
  - Leandro Demo
  - Unauthorized Bridge Constr...
  - Willoughby Sub

▼ Layers

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  - 3D Buildings
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  - Gallery
  - More
  - Terrain



City of Surrey Mapping Online System



Legend

Water Courses
- Creek
- Ditch

Park Playgrounds
- Playground
- Road Surface
- Dev Apps - All
- Zoning Boundaries

East Clayton Extension North of 72 Ave
- 6-10 u.p.a. Low Density
- 10-15 u.p.a. Medium Density
- 15-25 u.p.a. Medium-High Density
- 22-45 u.p.a. High Density
- Public Open Space/Park
- Special Setback, Landscaping Buffers or Corridors
- Traffic Circle
- Secondary Plan Boundaries
- Buildings (labels)

Building Large
- School

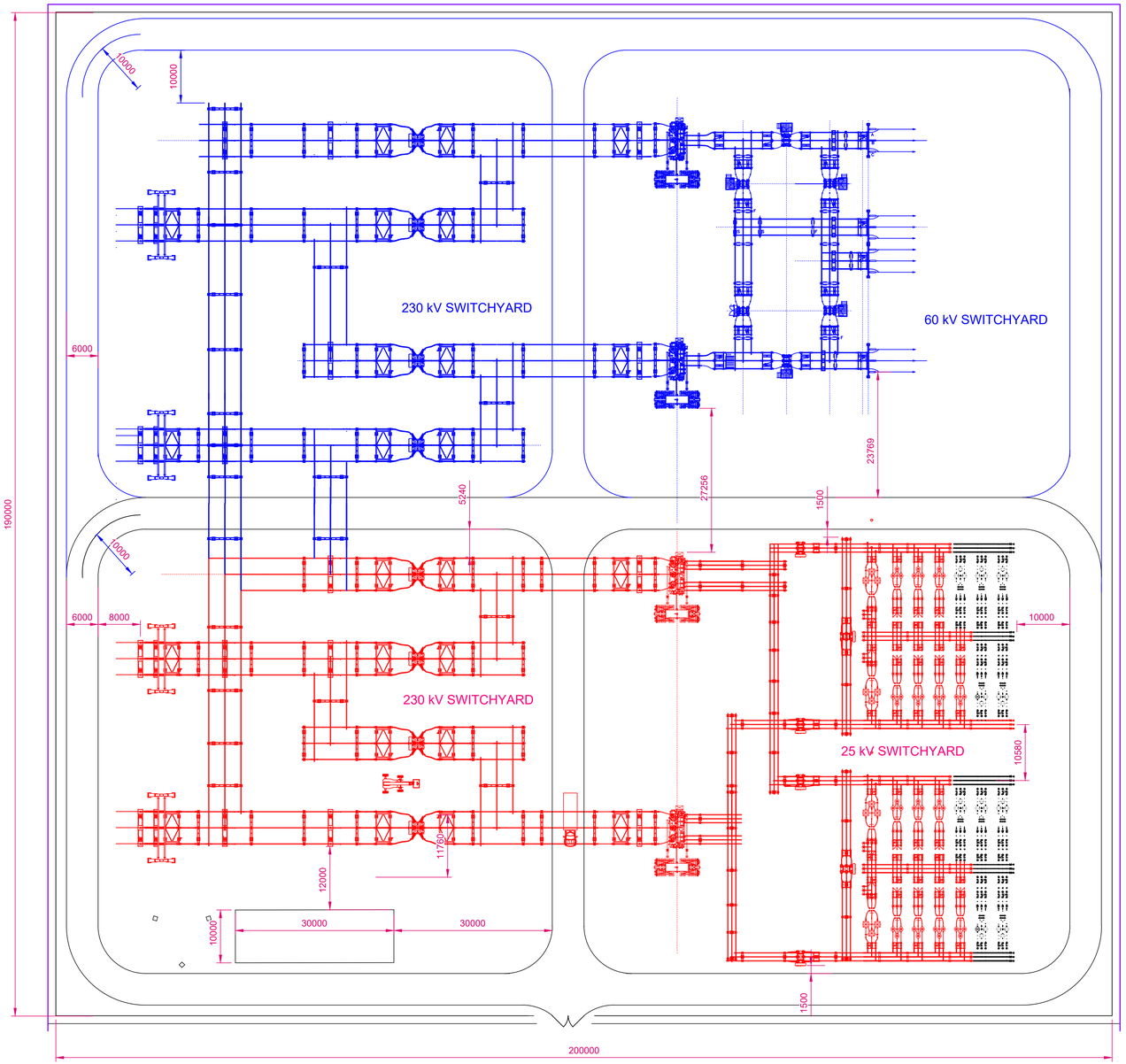
Bosa, Kang, Kool

Scale: 1:6,323

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0 0.04 0.09 0.17 0.26
km

Map created on: 2024-10-15



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE

FOR DISCUSSION PURPOSES ONLY

SCALE: 1:1 — 0 — 50mm

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. Zeng
INDEP CHK	
DFTG	K. Zeng / K.JIANG
DFTG CHK	
INSP	
REV	K. JIANG
ACPT	

BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

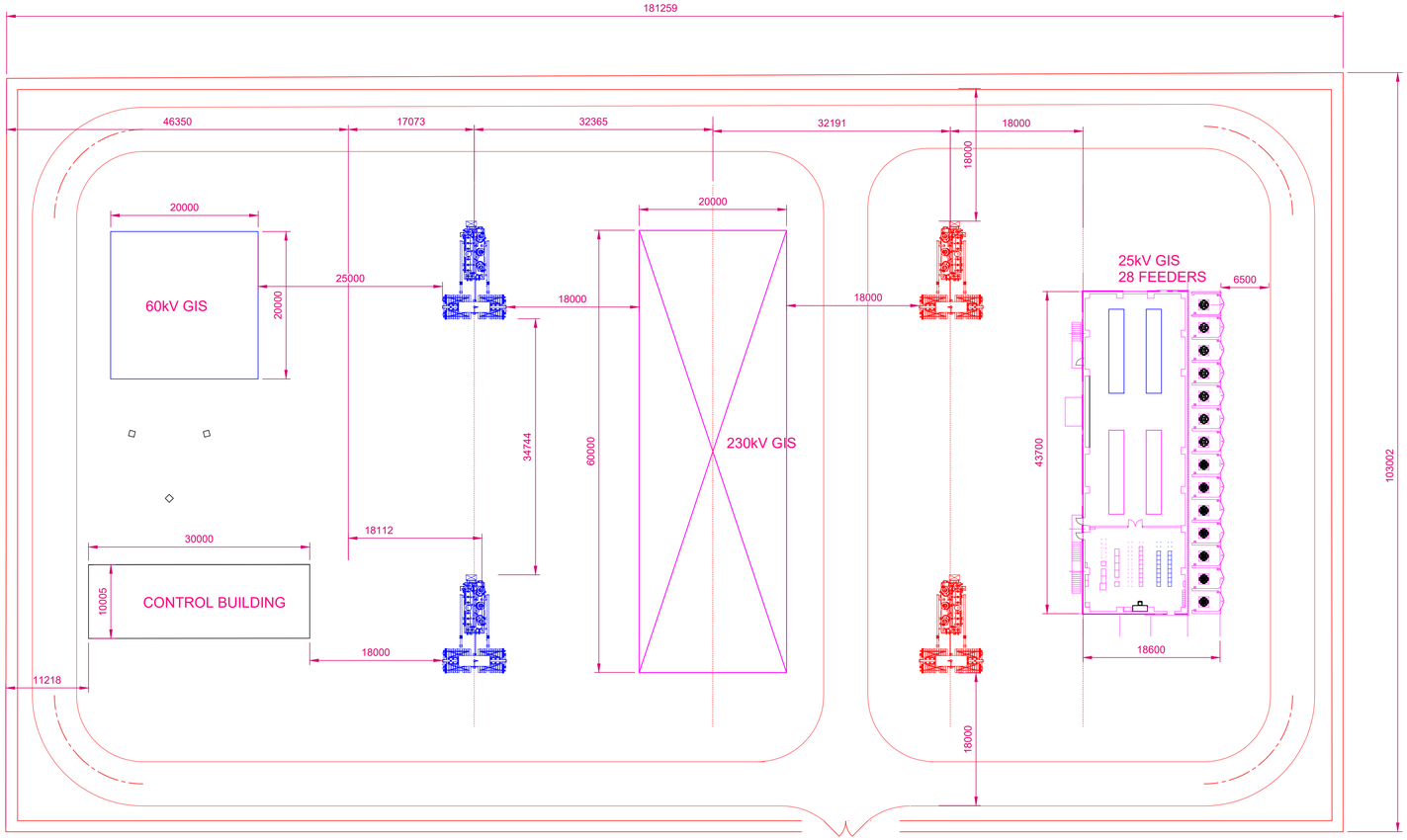
DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024MAR22		WIB-E05-SK001-Option 1			D	0A

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Drawing Unit = Metric (4)
JIANG, KAI, Yu
3/22/2024 4:57 PM

NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE



COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
DARK/BLUE: FUTURE

FOR DISCUSSION PURPOSES ONLY

SCALE: 1:1 0 50mm

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

DESIGN NUMBER		DSGN	K. Zeng
WORK ORDER NUMBER		INDEP CHK	
CSA S250 ACCURACY NAD - UTM		DFTG	K. Zeng / K.JIANG
BASE ACCURACY LEVEL:		DFTG CHK	
ASB ACCURACY LEVEL:		INSP	
		REV	K. JIANG
		ACPT	

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

BC Hydro

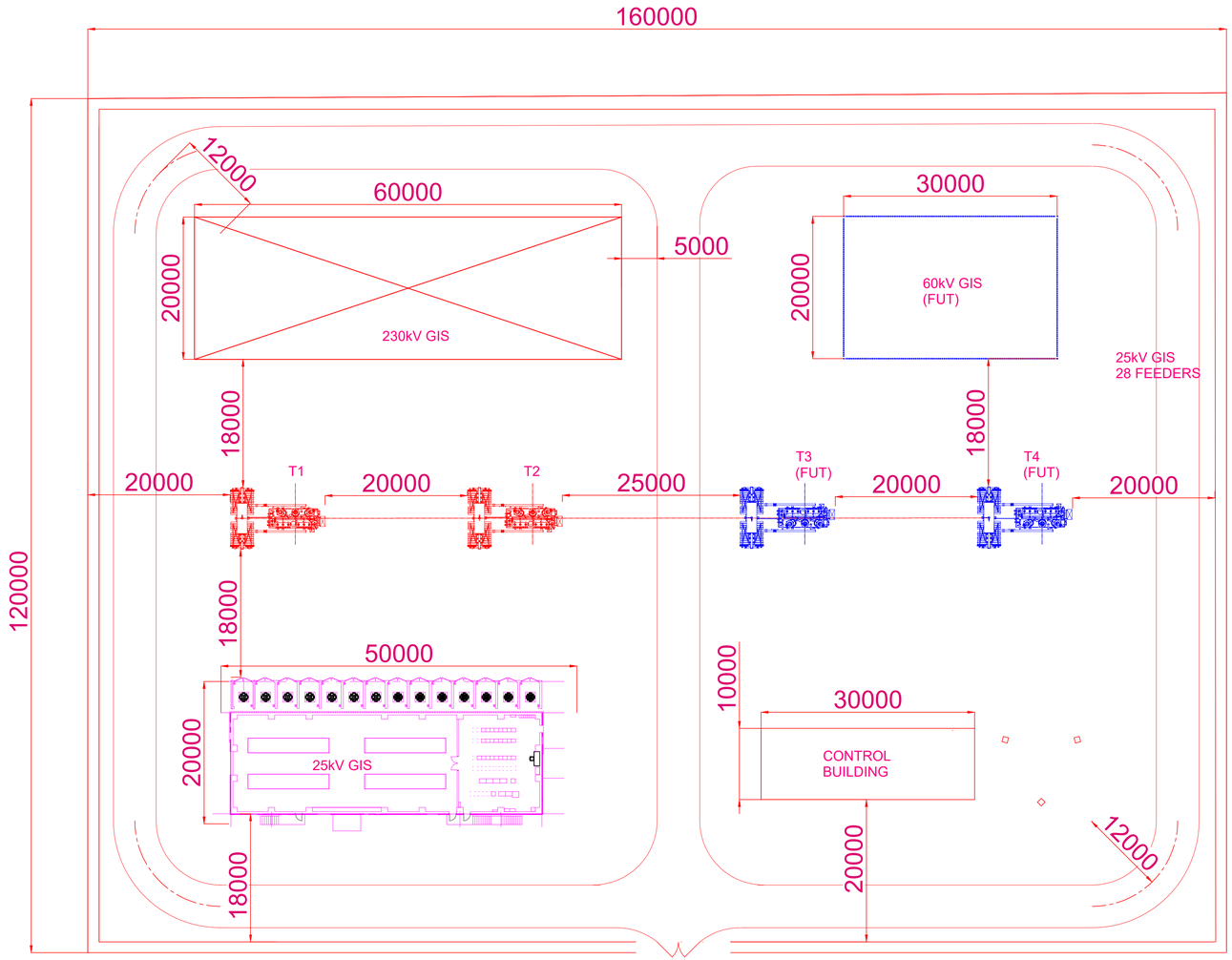
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT ALL GIS-INDOOR

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024MAR22		WIB-E05-SK002-Op 2-1			D	0A

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

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Drawing Unit = Metric (4)
JAMES KU Jr.
3/22/2024 4:04 PM



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
DARK/BLUE: FUTURE

FOR DISCUSSION PURPOSES ONLY

SCALE: 1:1 0 50mm

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

REFERENCE DRAWINGS

NO | REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

BC Hydro

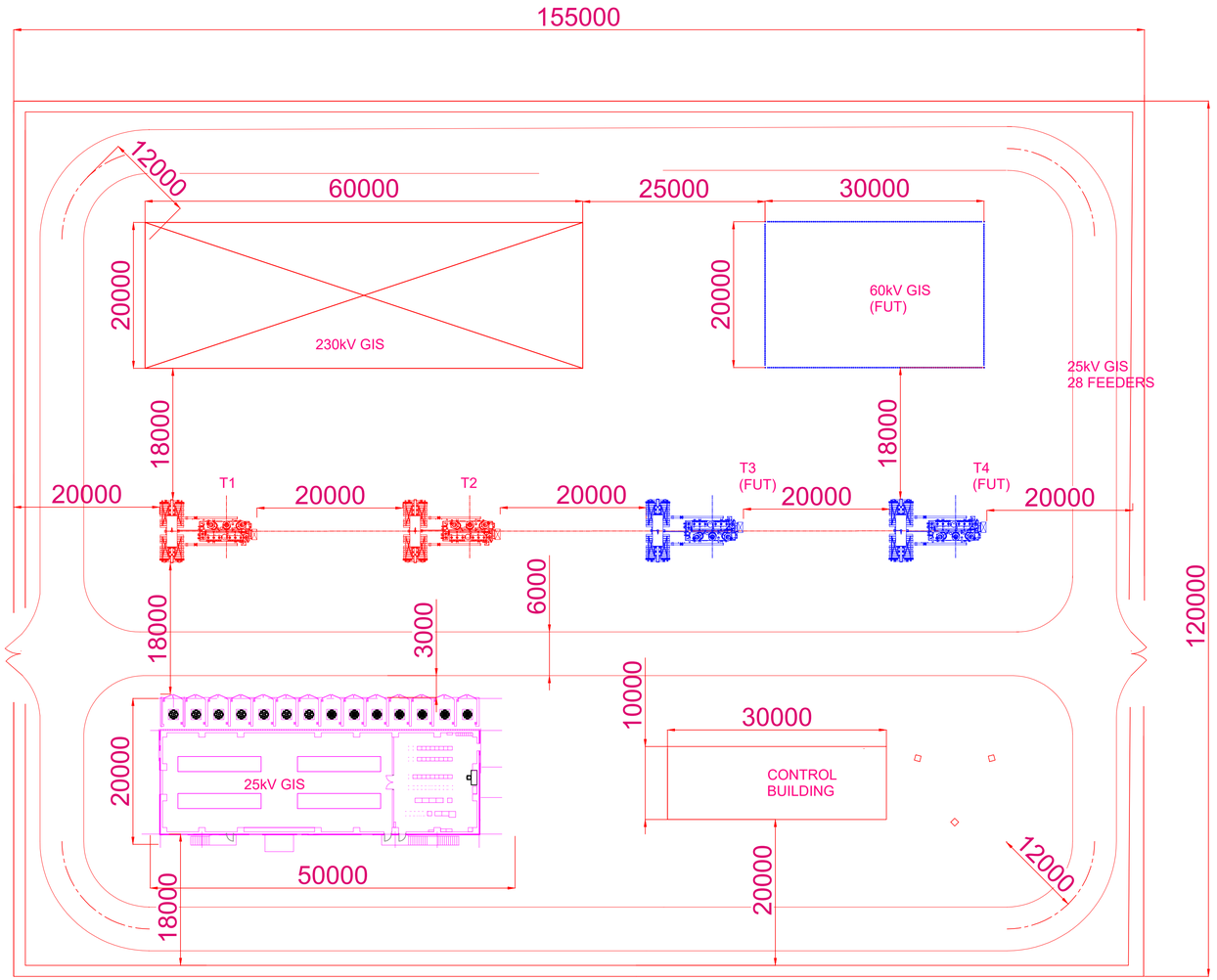
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT ALL GIS-INDOOR

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024MAR22		WIB-E05-SK002-OP 2-2			D	0A

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

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Drawing Unit = Metric (4)
Width = 44.0 in
3/22/2024 4:07 PM



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
DARK/BLUE: FUTURE

FOR DISCUSSION PURPOSES ONLY

SCALE: 0 50mm
1:1
ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

BC Hydro

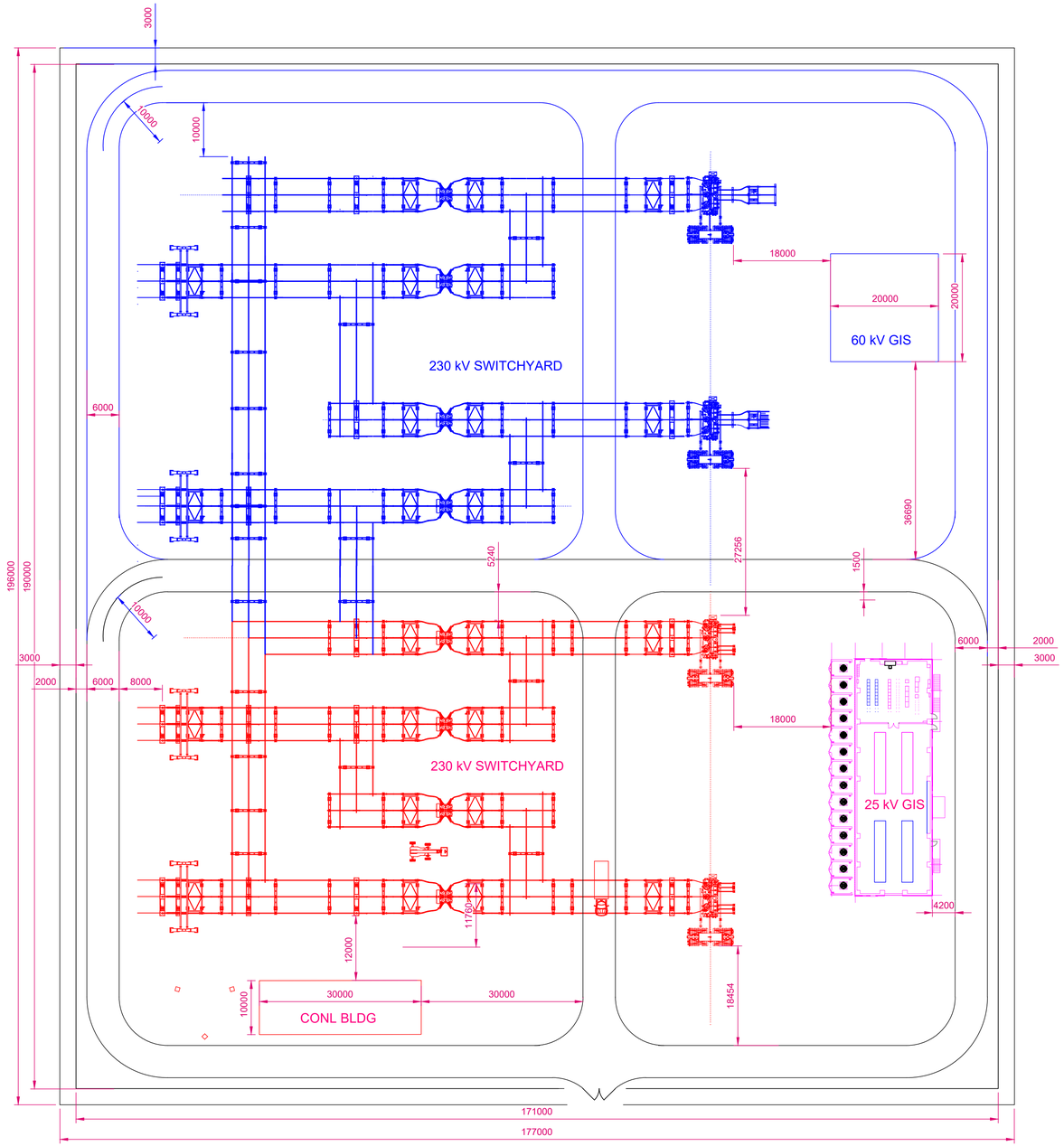
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT ALL GIS-INDOOR

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024MAR22		WIB-E05-SK002-OP 2-3			D	0A

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

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Drawing Unit = Metric (4)
JAVS - AM - V
3/22/2024 4:09 PM



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE

FOR DISCUSSION PURPOSES ONLY

SCALE: 1:1 — 0 — 50mm

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K.JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

BC Hydro

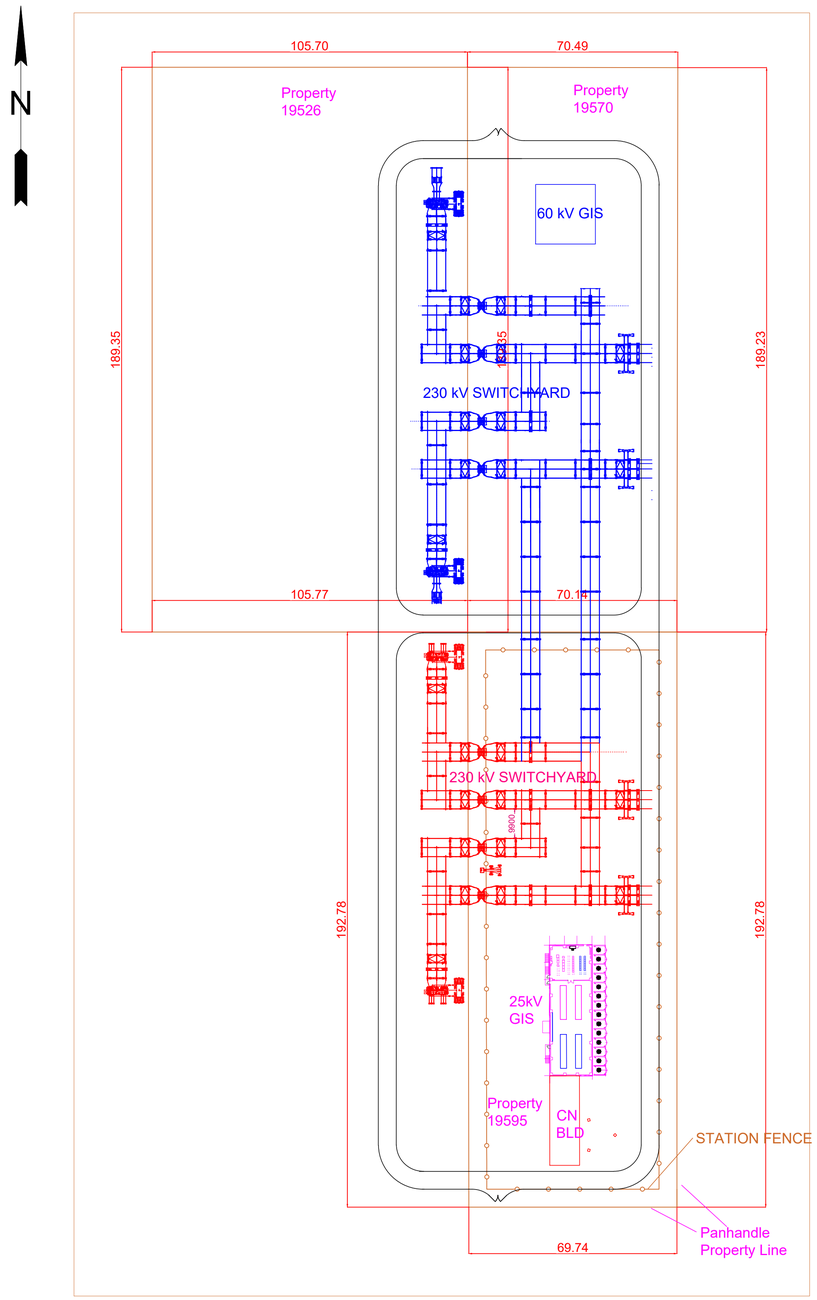
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024JUL08		WIB-E05-SK003-Option 1			D	0A

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

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Drawing Unit = Metric (4)
JIANG, KAI
7/8/2024 5:48 PM



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE

FOR DISCUSSION PURPOSES ONLY

C:\Users\kjiang\OneDrive - BC Hydro\F2S Projects\1-CIP\D\2023-11-21_Willoughby Purchase Project\Design\Conceptual\20240829-Panhandle-19595\Sketches\WIB-E05-SK005-Option 1-Outdoor 230 +GIS 60n25-To Fit Panhandle Property-2024082.dwg
Drawing Unit = Metric (4)
JIANG, KAI
8/30/2024 3:58 PM

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

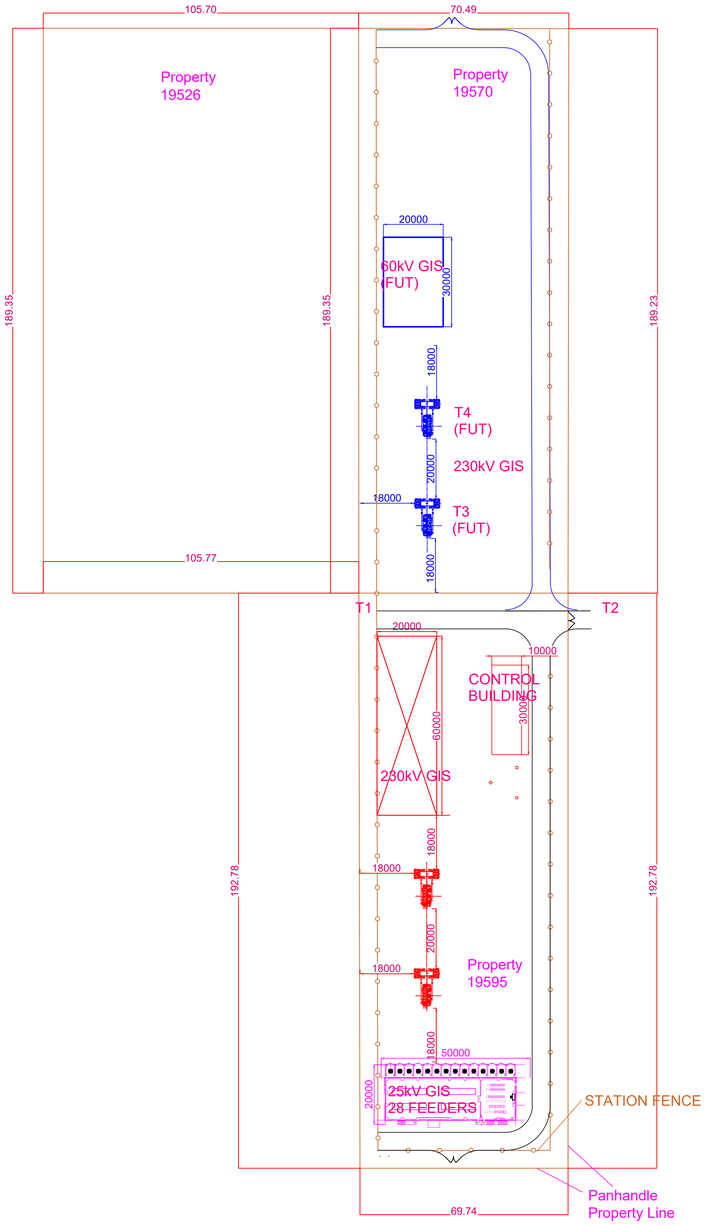
BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024AUG29		WIB-E05-SK005-OP1			D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

FOR DISCUSSION PURPOSES ONLY

SCALE: 1:1 0 50mm

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE SHOWN

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

BC Hydro

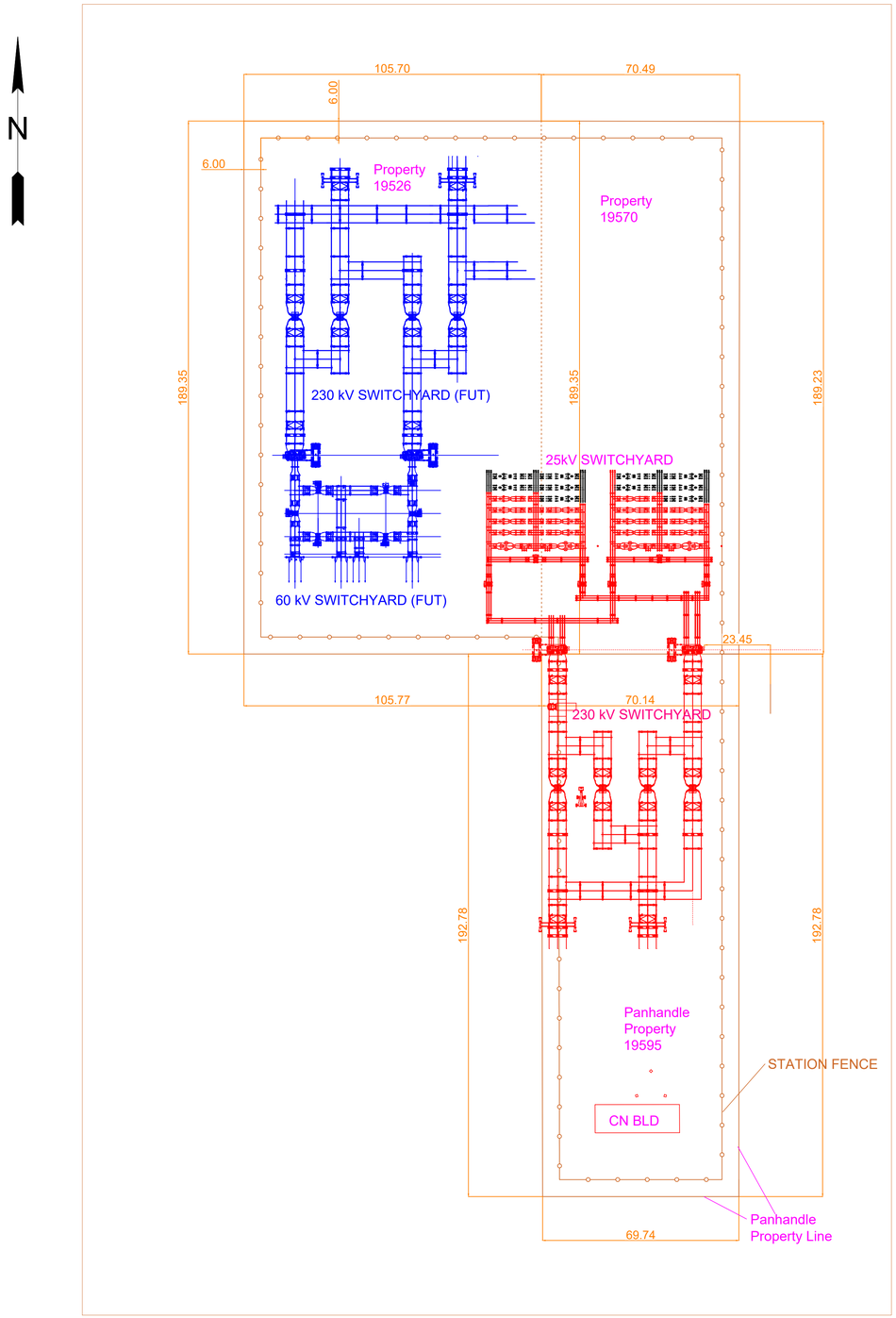
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT ALL GIS-INDOOR

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024AUG30		WIB-E05-SK005-OP 2			D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

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Drawing Unit = Metric (4)
JIANG, KAI, K
8/30/2024 3:59 PM



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
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4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE

FOR DISCUSSION PURPOSES ONLY

C:\Users\kjiang\OneDrive - BC Hydro\F25 Projects\1-CIPD\2023-11-21_Willoughby Purchase Project\Design\Conceptual\20240911-Panhandle-19595 - Second set\Sketches\WIB-E05-SK005-Option 1-Outdoor 230 +GIS 60n25-To Fit Panhandle Property-2024082.dwg
Drawing Unit = Metric (d)
JANG, Kelvin Y.
9/11/2024 3:24 PM

REFERENCE DRAWINGS

NO	REMARKS
	REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

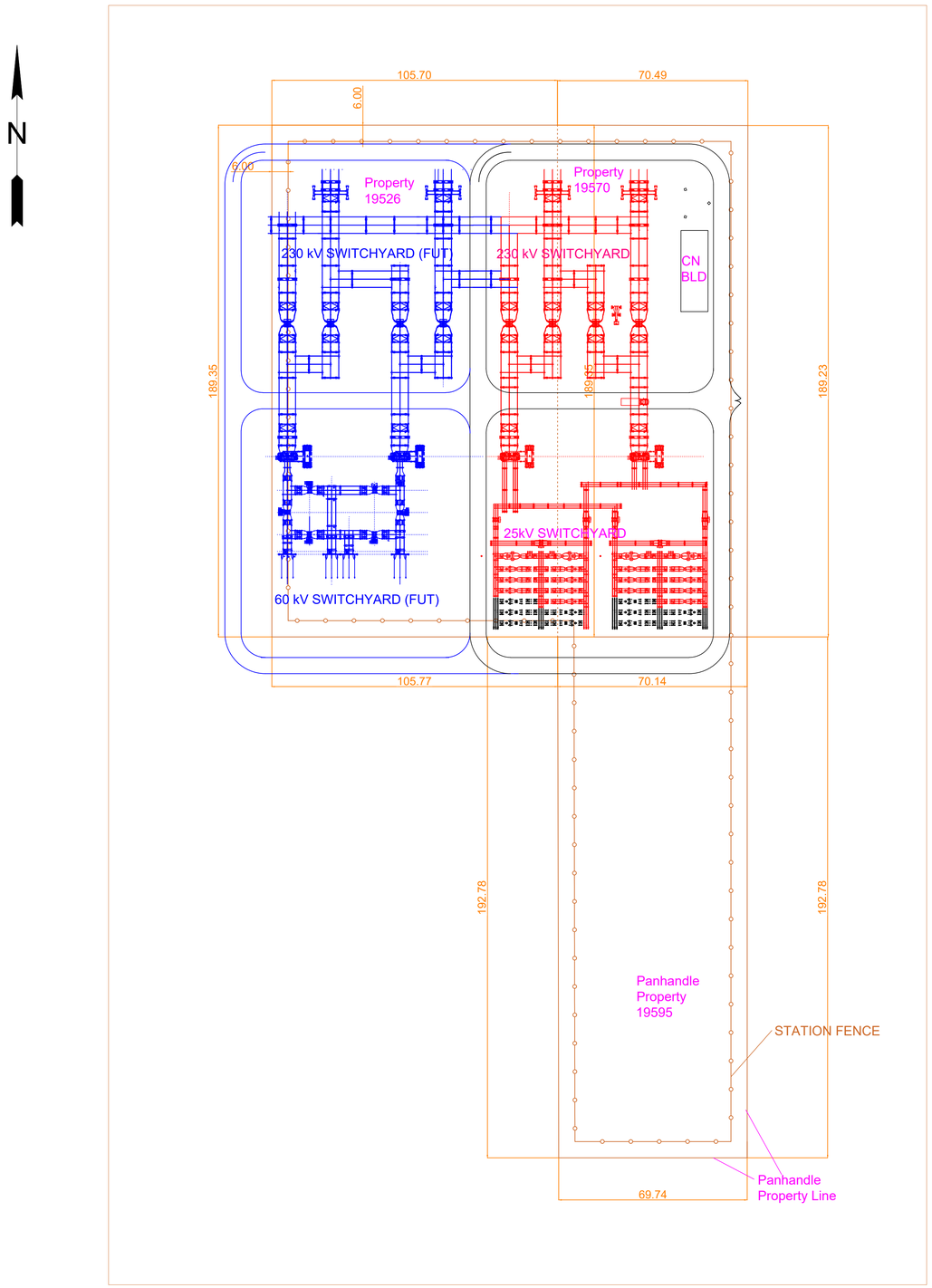
BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024SEP11		WIB-E05-SK005-OP3			D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO



NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE

FOR DISCUSSION PURPOSES ONLY

C:\Users\kjiang\OneDrive - BC Hydro\F25 Projects\1-CIPD\2023-11-21_Willoughby Purchase Project\Design\Conceptual\20240911-Panhandle-19566 - Second set\Sketches\WIB-E05-SK005-Option 1-Outdoor 230 +GIS 60in25-To Fit Panhandle Property-20240829.dwg
Drawing Unit = Metric (4)
JIANG, KAI X
9/11/2024 3:25 PM

REFERENCE DRAWINGS

NO	REMARKS

REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	K. JIANG
INDEP CHK	
DFTG	K. JIANG
DFTG CHK	
INSP	
REV	K. ZENG
ACPT	

BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

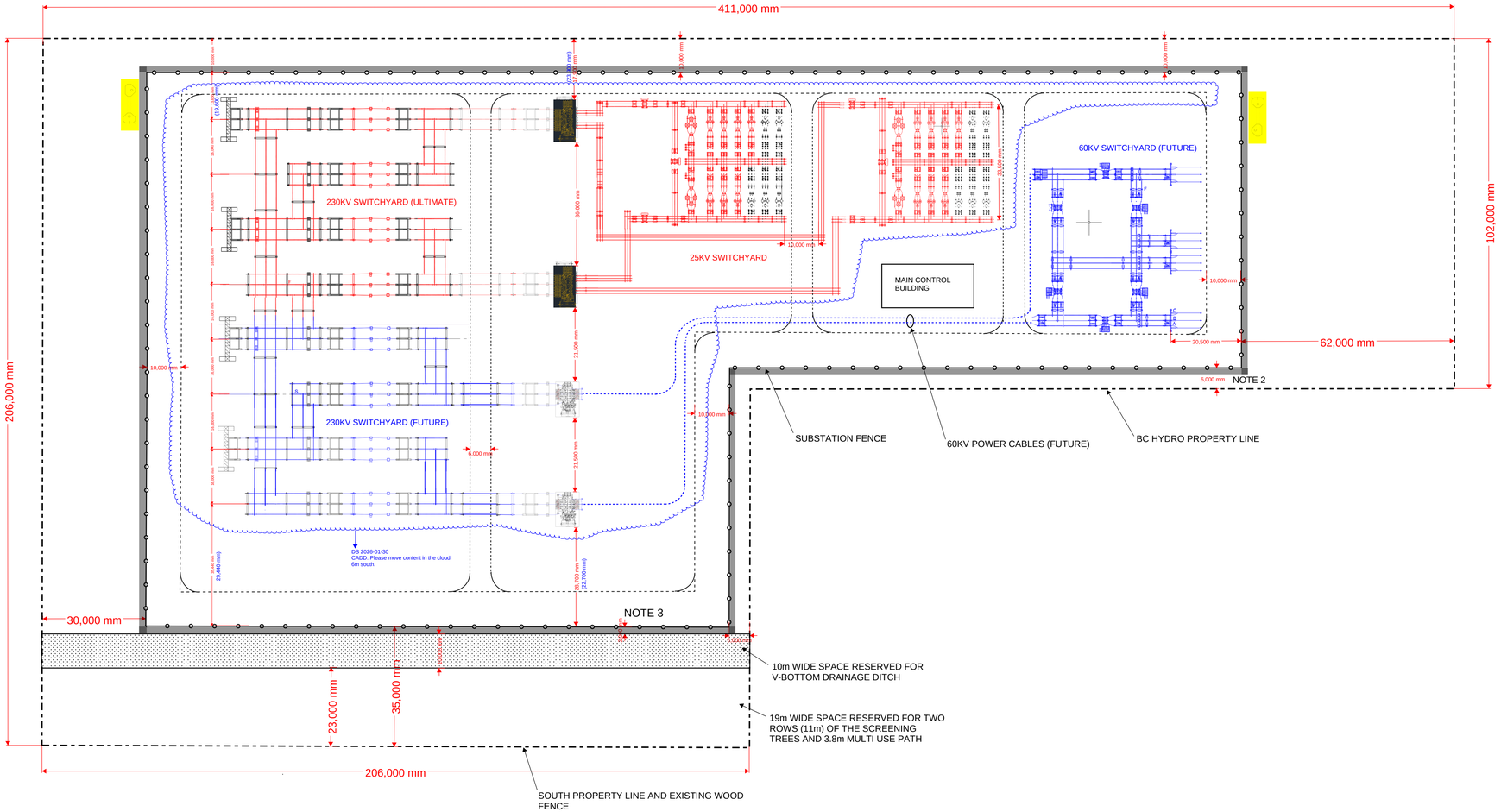
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NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

N

NOTES:

1. GENERAL ARRANGEMENT DESIGN BASED ON THE FEEDBACK RECEIVED FROM TRANSMISSION LINE AND DISTRIBUTION PROJECT LEADS IN TERMS OF 230 kV, 60 kV, 25 kV SUBSTATION ENTRY/EXIST.
2. DISTANCE BETWEEN THE SUBSTATION FENCE LINE AND PROPERTY LINE SHOULD BE KEPT 6.0 METERS
3. 2m ALLOTED OUTSIDE SUBSTATION PERIMETER FENCE FOR GROUND GRID OUTSIDE PERIMETER LOOP AND 3000 Ohm INSULATING GRAVEL.



SCALE: 1:750

0 50,000 mm 50m

C:\pw\WIB-E05-SK006-OP2.dwg
Drawing Unit = Metric (4)
ARCH_D.CTT
2/13/2025 1:57 PM

NO	DRAWING NUMBER	DRAWING TITLE
		REFERENCE DRAWINGS

NO	REMARKS
0	
	REVISIONS

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	D. SYDOROV
INDEP CHK	
DFTG	KST
DFTG CHK	
INSP	
REV	M. BALEA
ACPT	

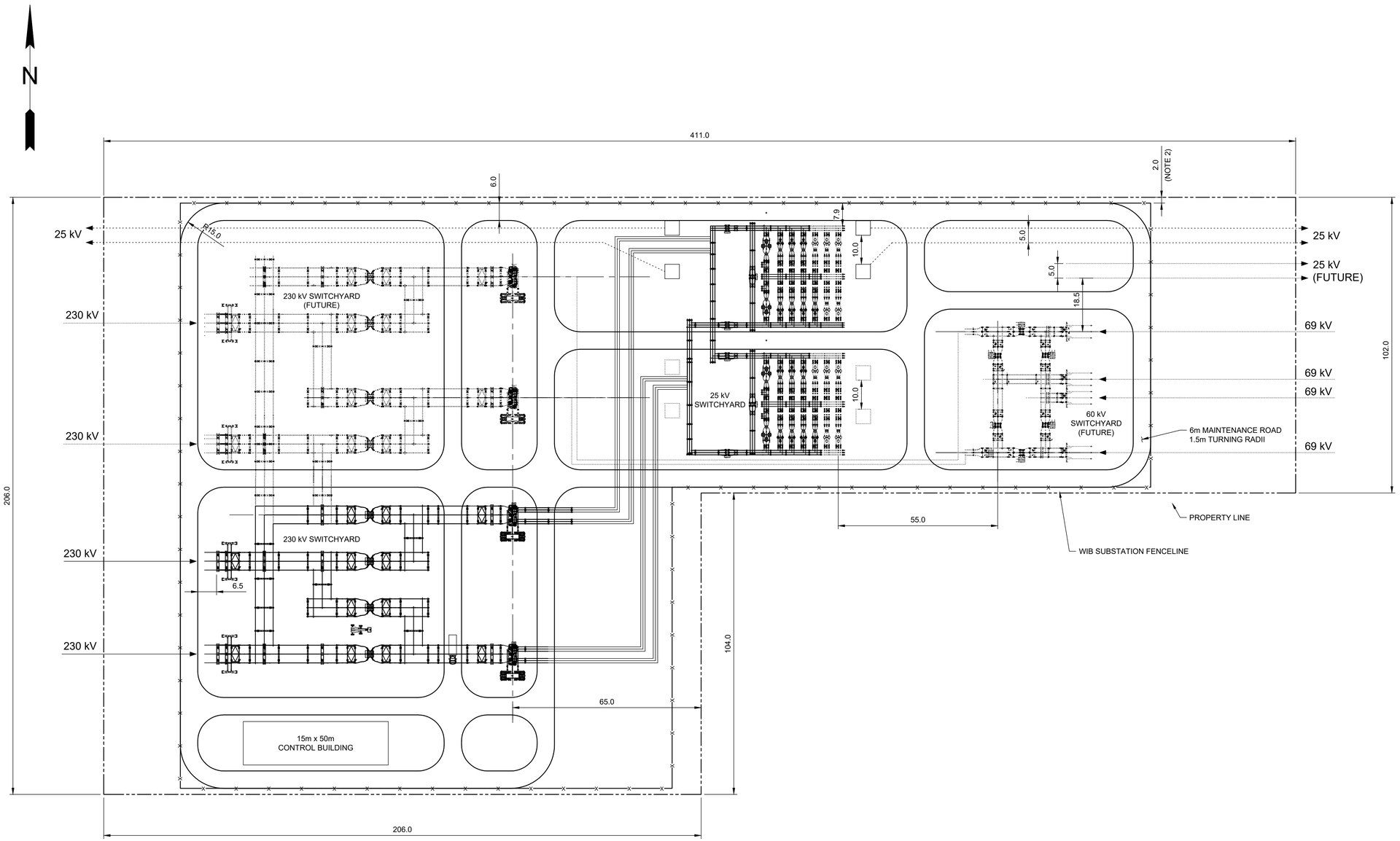
BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 kV SWITCHYARD
ULTIMATE LAYOUT

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2026JAN30		WIB-E05-SK006			D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO



NOTES:

1. GENERAL ARRANGEMENT DESIGN BASED ON THE FEEDBACK RECEIVED FROM TRANSMISSION LINE AND DISTRIBUTION PROJECT LEADS IN TERMS OF 230 kV, 60 kV, 25 kV SUBSTATION ENTRY/EXIST.
2. DISTANCE BETWEEN THE SUBSTATION FENCE LINE AND PROPERTY LINE SHOULD BE KEPT 2.0 METERS MINIMUM

SCALE: 1:750 — 0 — 50m

NO	DRAWING NUMBER	DRAWING TITLE
REFERENCE DRAWINGS		

NO	REMARKS
0	
REVISIONS	

DESIGN NUMBER	
WORK ORDER NUMBER	
CSA S250 ACCURACY NAD - UTM	
BASE ACCURACY LEVEL:	
ASB ACCURACY LEVEL:	

DSGN	D. SYDOROV
INDEP CHK	
DFTG	KST
DFTG CHK	
INSP	
REV	M. BALEA
ACPT	

BC Hydro

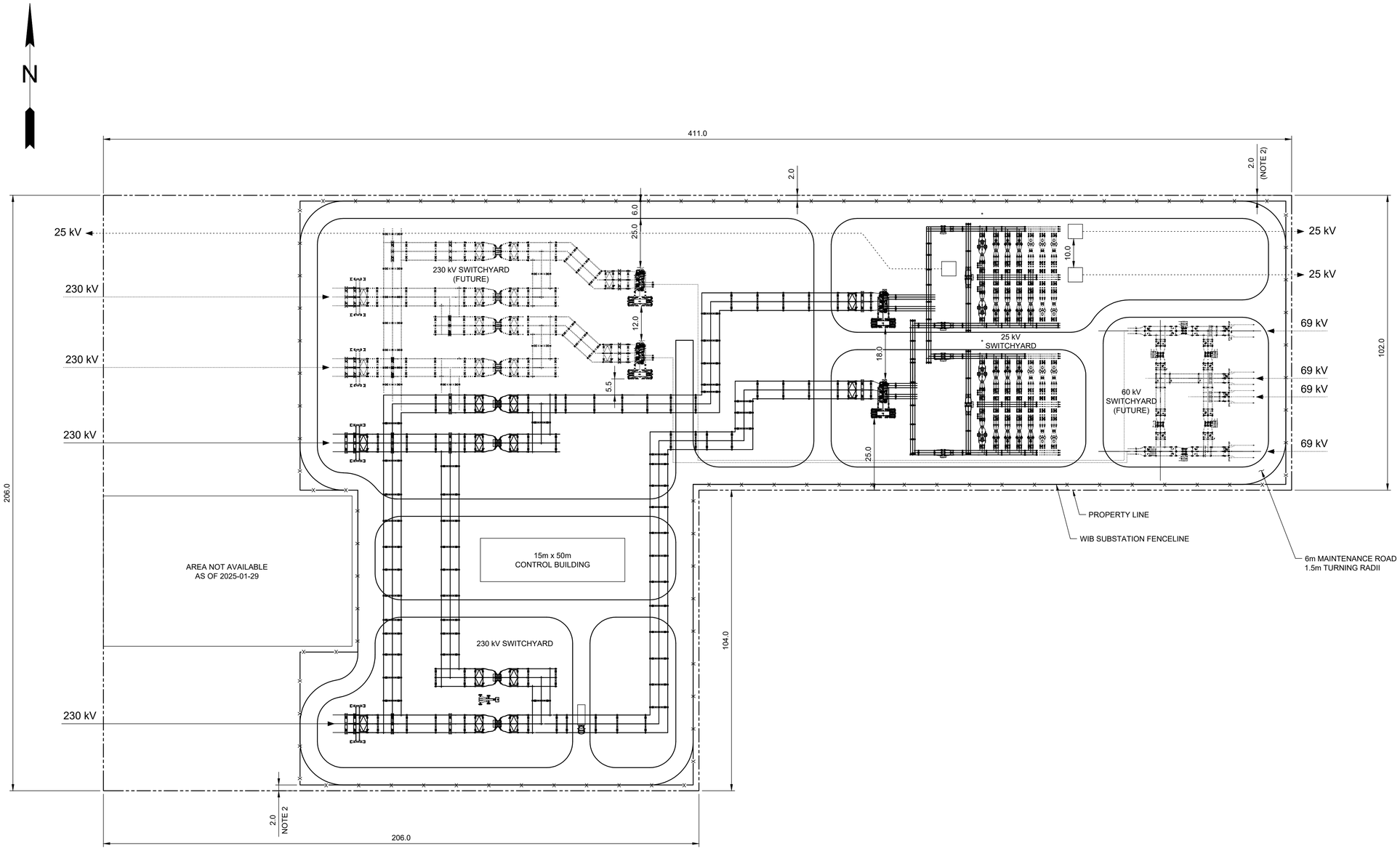
WILLOUGHBY SUBSTATION

230/60/25 kV SWITCHYARD
ULTIMATE LAYOUT
OPTION 1

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2025FEB13		WIB-E05-SK006-OP1			D	0

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Drawing Unit = Metric (4)
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2/13/2025 1:52 PM

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO



NOTES:

1. GENERAL ARRANGEMENT DESIGN BASED ON THE FEEDBACK RECEIVED FROM TRANSMISSION LINE AND DISTRIBUTION PROJECT LEADS IN TERMS OF 230 kV, 60 kV, 25 kV SUBSTATION ENTRY/EXIST.
2. DISTANCE BETWEEN THE SUBSTATION FENCE LINE AND PROPERTY LINE SHOULD BE KEPT 2.0 METERS MINIMUM

SCALE: 1:750 0 50m

NO	DRAWING NUMBER	DRAWING TITLE
REFERENCE DRAWINGS		

NO	REMARKS
0	
REVISIONS	

DESIGN NUMBER
WORK ORDER NUMBER
CSA S250 ACCURACY NAD - UTM
BASE ACCURACY LEVEL:
ASB ACCURACY LEVEL:

DSGN	D. SYDOROV
INDEP CHK	
DFTG	KST
DFTG CHK	
INSP	
REV	M. BALEA
ACPT	

BC Hydro

WILLOUGHBY SUBSTATION

230/60/25 kV SWITCHYARD
ULTIMATE LAYOUT
OPTION 2

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2025FEB13		WIB-E05-SK006-OP2			D	0

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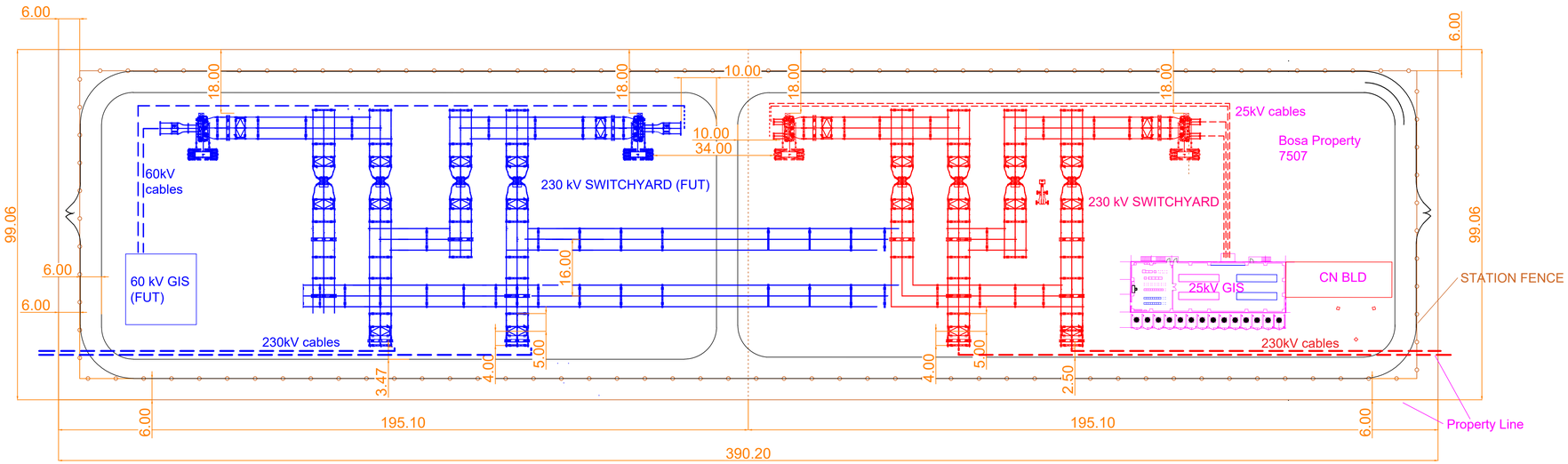
NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

N

NOTES:

1. GATES TO BE INSTALLED AS FIT BASED ON SITE ORIENTATION.
2. IF FACILITY IS PLACED ON A SLOPED SITE ADDTIONAL SPATIAL REQUIREMENT WILL BE REQUIRED EFFECTIVELY MAKING THE FACILITY FOOTPRINT LARGER DEPENDINGON THE SLOP REQUIREMENT.
3. DITCH AND DRAINAGE SPACE REQUIREMENT IS NOT CONSIDERED AND IT SHOULD BE DESIGNED BY CIVIL.
4. GROUND GRID WILL BE INSTALLED 1 m BEYOND THE FENCE LINE AND COVER ALL GATE SWING AREAS.
5. DISTRIBUTION MANHOLE LOCATION IS NOT CONSIDERED AT THIS DESIGN STAGE

COLOR CODE FOR SCOPE OF WORK:
RED: THIS PROJECT
BLUE/BLACK DOTS: FUTURE



FOR DISCUSSION
PURPOSES ONLY

C:\Users\kjiang\OneDrive - BC Hydro\P25 Projects1-CIPD\2023-11-21_Willoughby Purchase Project\Design\Conceptual\20240916-New for Bosa\7-WIB-E05-SK006-Op5-Outdoor AIS-To Fit Bosa+Kang Properties-20240918.dwg
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REFERENCE DRAWINGS	NO	REMARKS	DESIGN NUMBER		DSGN K. JIANG
			WORK ORDER NUMBER		INDEP CHK
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			BASE ACCURACY LEVEL:		DFTG CHK
			ASB ACCURACY LEVEL:		INSP
		REVISIONS			REV K. ZENG
					ACPT

BC Hydro

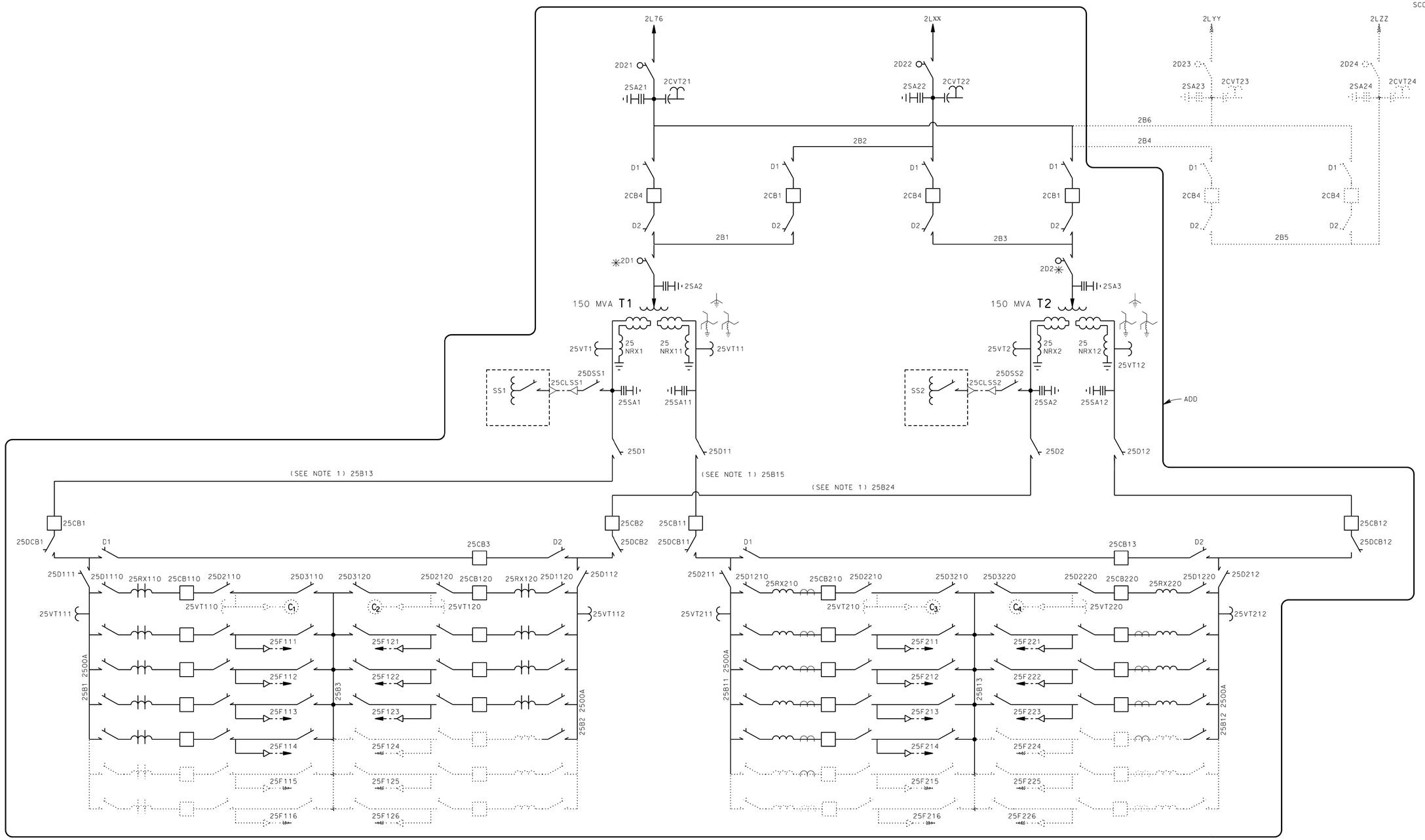
WILLOUGHBY SUBSTATION

230/60/25 KV SWITCHYARD
ULTIMATE LAYOUT

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2024SEP19		WIB-E05-SK006-OP7			D	0

NOT TO BE REPRODUCED WITHOUT THE PERMISSION OF BC HYDRO

SCOPE NOTES: 5078



✳QUICK BREAK ATTACHMENT

RATINGS OF MAJOR EQUIPMENT:

2B1, 2B2 BUS RATING 2000 A
2CB1, 2CB2, 2CB3, 2CB4 2000 A
25CB1, 25CB2, 25CB3, 25CB4, 25CB5. 25CB6 2500 A
THE REST OF 25 KV CIRCUIT BREAKERS 1200 A

NOTE:

1. CABLE OR BUS WILL BE DETERMINED BY ENGINEERING IN THE DETAILED DESIGN. IF BUS WILL BE USED, THE CAPACITOR MIGHT BE NEEDED IN THIS LOCATION.

NO	DATE	DWN	PLN	CHK	REV	ACPT
2						
1						

REVISIONS

DRAWN KLR
PLANNED LL
CHECKED
REVIEWED
ACCEPTED

BC Hydro
SUBSTATIONS GROWTH AND SUSTAINMENT

WILLOUGHBY (WIB)
230/25 KV
ONE-LINE DIAGRAM
2032 STAGE

DATE 18 SEP 23 | SHEET 1 | DWG NO XXX-P06-SK1 | R 0