

APPENDIX G

Historical Resources Overview Documentation



Statement of Justification for *Historical Resources Act* Requirements for projects other than small-scale oil and gas

This document contains sensitive information about Historic Resources that are protected under provisions of the *Alberta Historical Resources Act*. This information is to be used to assist in planning the proposed project only. It is not to be disseminated, and no copies of this document are to be made without written permission of Historic Resources Management Branch, Alberta Culture.

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------|
| Project Name or Project Identifier 34 Street Upgrade from north of Whitemud Drive to Baseline Road Functional Planning Study | | |
| Disposition Type & Number | | |
| Name: Walt Kowal Corporate name of consulting company: The Archaeology Group Address: 2526 Bell Court S.W. Edmonton, Alberta T6W 1J8 Phone number: (780) 438-4262 Fax number: (780) 439-4285 E-mail address: w.kowal@shaw.ca | | |
| Name of proponent contact: Natalie Lazurko Corporate name of proponent: Transportation Services Department, City of Edmonton Address: 12 th Floor, 9803 – 102A Avenue Edmonton, T5J 3A3 Phone number: (780) 442-4529 Fax number: (780) 496-4287 E-mail address: Natalie.lazurko@edmonton.ca | | |
| Name of agent: Ryan Betker Corporate name of proponent: McElhanney Consulting Services Ltd. Address: 14904 - 121A Avenue Edmonton, AB T5V 1A3 Phone number: (780) 809-3200 Fax number: (780) 809-3212 E-mail address: rbetker@mcelhanney.com | | |
| Lands Affected | | |
| Legal Description | HRV | Identifier |
| LSD's 4, 5, 12, 13 Section 18-52-23-W4M | N/A | N/A |
| LSD's 4, 5, 12, 13 Section 19-52-23-W4M | N/A | N/A |
| LSD's 4, 5, 12, 13 Section 30-52-23-W4M | N/A | N/A |
| LSD's 4, 5, 12, 13 Section 31-52-23-W4M | N/A | N/A |
| LSD's 1, 8, 9, 16 Section 13-52-24-W4M | N/A | N/A |
| LSD's 1, 8, 9, 16 Section 24-52-24-W4M | N/A | N/A |
| LSD's 1, 8, 9, 16 Section 25-52-24-W4M | N/A | N/A |
| LSD's 1, 8 Section 36-52-24-W4M | N/A | N/A |
| LSD's 9, 16 Section 36-52-24-W4M | 5 | Palaeontological |

Activity type and Anticipated Ground Disturbance

The proposed project is for the upgrading of 34th Street from just north of Whitemud Drive to Baseline Road a distance of approximately 6.04 kilometres, in the City of Edmonton (Figures 1 to 4). The new construction will require expanding the existing right-of-way and new lands will be required for this right-of-way expansion.

Project size

The 34 Street project is approximately 6.04 km in length and it is anticipated that less than approximately 15 ha of lands will be affected.

Existing Disturbance

Existing disturbance is present in the form of pre-existing roadways, industrial construction, infrastructure construction, agricultural activity, farmsteads, and landscaping.

Landscape and Environmental Information

Aspen Parkland Ecoregion. Till Blanket sediment: thick and continuous till, and fine grained (Glacio) lacustrine sediment: silt and clay, containing stones and deposited as quiet water sediments, cultivated land, small patches of forested land, and some urban areas. The project area ranges from flat to rolling and except for crossings at Fulton Creek in LSD 4 Section 19-52-23-W4M and LSD 1 Section 24-52-24-W4M and Gold Bar Creek in LSD 12 Section 30-52-23-W4M and LSD 8 Section 25-52-24-W4M no other hydrologic features are present along the right-of-way.

Archaeological Sites in Vicinity = approximately 80 sites within 5 kilometres of project

Archaeological Sites Impacted = None

Historic Structures in Vicinity = None

Historic Structures Impacted = None

Registered Historic Structures in Vicinity = None

Registered Historic Structures Impacted = None

Previous Permits in Impact Area = 96-023, 09-189

Previous Permits in Vicinity: 76-075, 79-039, 80-069, 82-140, 89-093, 96-023, 09-189,

Illustrative Materials

Figure 1: Map showing the project location (after 1:50,000 NTS Map 83 H/6 – Cooking Lake and 83 H/11 - Edmonton).

Figure 2: Map showing the project location and the location of previously recorded Historical Resources sites in the project vicinity (after 1:50,000 NTS Map 83 H/6 – Cooking Lake and 83 H/11 - Edmonton).

Figure 3: Map showing the project location and the location of previously conducted HRIA surveys and previously recorded Historical Resources sites in the vicinity of the 34 Street project (after 1:50,000 NTS Map 83 H/6 – Cooking Lake and 83 H/11 - Edmonton).

Figure 4: Map showing the locations of the 10 photomosaics of the project area which follow (see Figures 5 to 14).

Figures 5 to 14. Photomosaics of the project area (locations identified on Figure 4).

Evaluation

Approximately 80 archaeological sites have been previously recorded in the general vicinity of the project area, however no known sites are located within the project impact zone (see Figures 2 and 3). Almost all of these sites were isolated finds except for three which were lithic scatters. In the case of each site, the artifacts found were in a disturbed context, no significant historical remains were found, no palaeontological materials were found, and none of the located sites were considered significant and no further work was recommended for any of these sites.

LSD's 9 and 16 Section 36-52-24-W4M have an HRV=5 (palaeontological), but the areas of palaeontological concern are located along Gold Bar Creek on the western edge of these LSD's. All the rest of the study area has an HRV=N/A.

Almost all of the lands along the section of 34 Street under review have been previously disturbed by agriculture, industrial development, and railway right-of-way or road construction. The only areas not disturbed are seasonally wet or lower-lying areas not suitable for agriculture in the past and which are considered to have low archaeological potential as a result.

Most of the proposed new right-of-way lands had possibly been cultivated for much of the last century, and have since been disturbed further by business development, infrastructure emplacement, or railroad/road construction.

The only significant hydrologic features within the project area are Fulton Creek which crosses 34 Street in LSD 4 Section 19-52-23-W4M and LSD 1 Section 24-52-24-W4M and Gold Bar Creek which crosses 34 Street in LSD 12 Section 30-52-23-W4M and LSD 8 Section 25-52-24-W4M. An HRIA survey was conducted of the east side of Fulton Creek area under Permit 09-189, and no sites were found along its margins within the project area at the 34 Street crossing. Further the lands on the west side of the creek crossing appear to be low-lying and poorly-drained and there is no significant bank formation along this part of the creek so this area is considered to have low archaeological potential. The Gold Bar Creek crossing area is similarly low-lying and wet around the creek margins and is also considered to have low archaeological potential.

The previously disturbed nature of the study area lands suggest that there is little potential for finding undisturbed historical resources sites and no further Historical Resources work is considered warranted for this study area.

Recommendations (*Recommendations regarding archaeological resources must be made by a professional archaeologist.*)

The proposed *34 Street upgrade project* generally follows previously developed roadways and utility corridors. No previously recorded historic or archaeological sites will be disturbed by the development. Due to intensive previous ground disturbance due to sustained agricultural activity, industrial development, railroad/road construction, and other infrastructure emplacements, this right-of-way area is considered to have low potential for the discovery of intact, previously unrecorded heritage resources, and **no further work is recommended for the 34 Street Upgrade from north of Whitemud Drive to Baseline Road Functional Planning Study area.**

Recommendations made by:



Walt Kowal

Date:

January 11, 2013

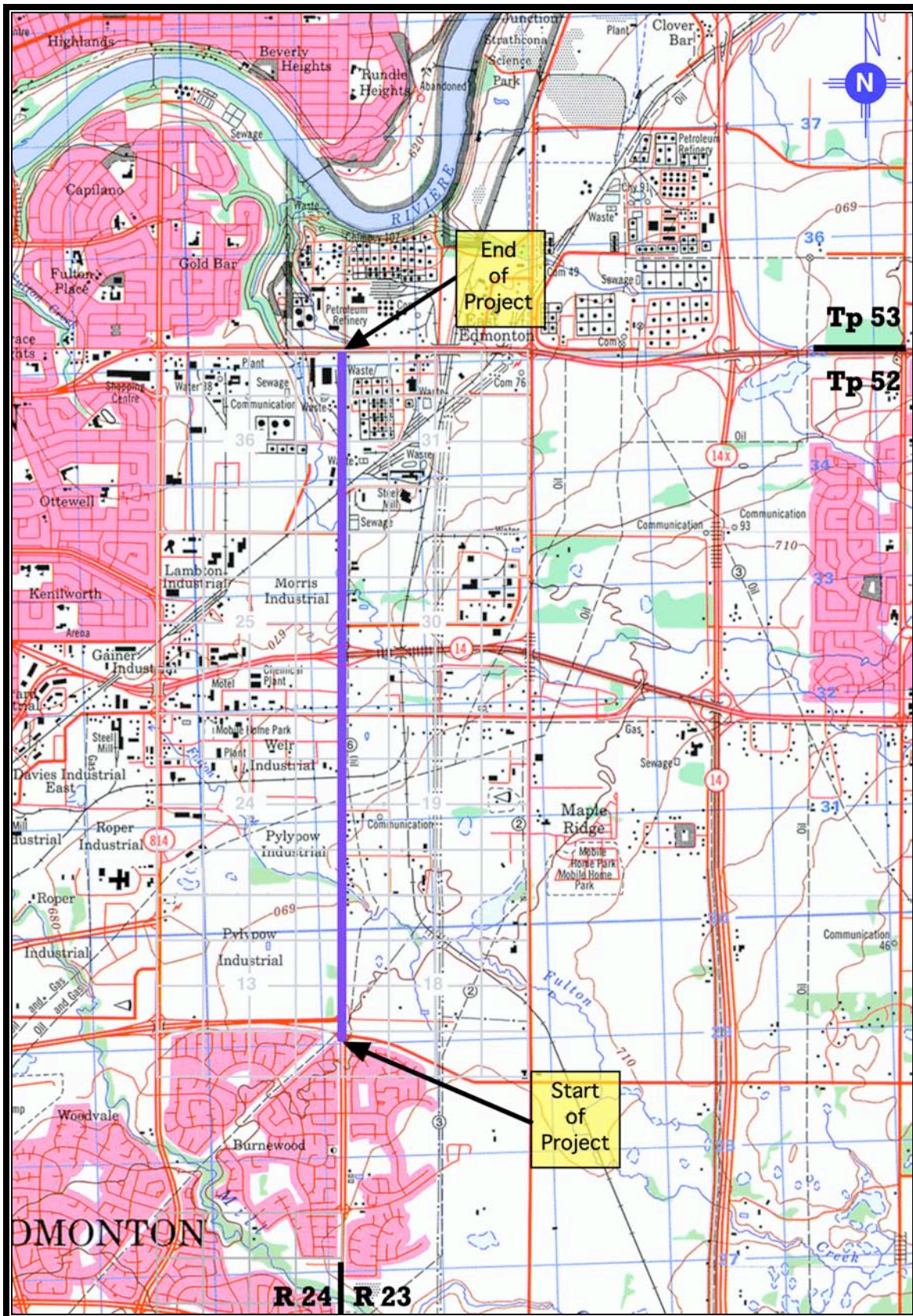


Figure 1. Map showing the project location (after 1:50,000 NTS Maps 83 H/6 – Cooking Lake and 83 H/11 – Edmonton).

Figure 2. Map showing the project location and the location of previously recorded Historical Resources sites in the project vicinity (after 1:50,000 NTS Maps 83 H/6 – Cooking Lake and 83 H/11 – Edmonton).

Figure 3. Map showing the project location and the location of previously conducted HRIA surveys and previously recorded Historical Resources sites in the vicinity of the 34 Street project (after 1:50,000 NTS Map 83 H/6 – Cooking Lake and 83 H/11 - Edmonton).

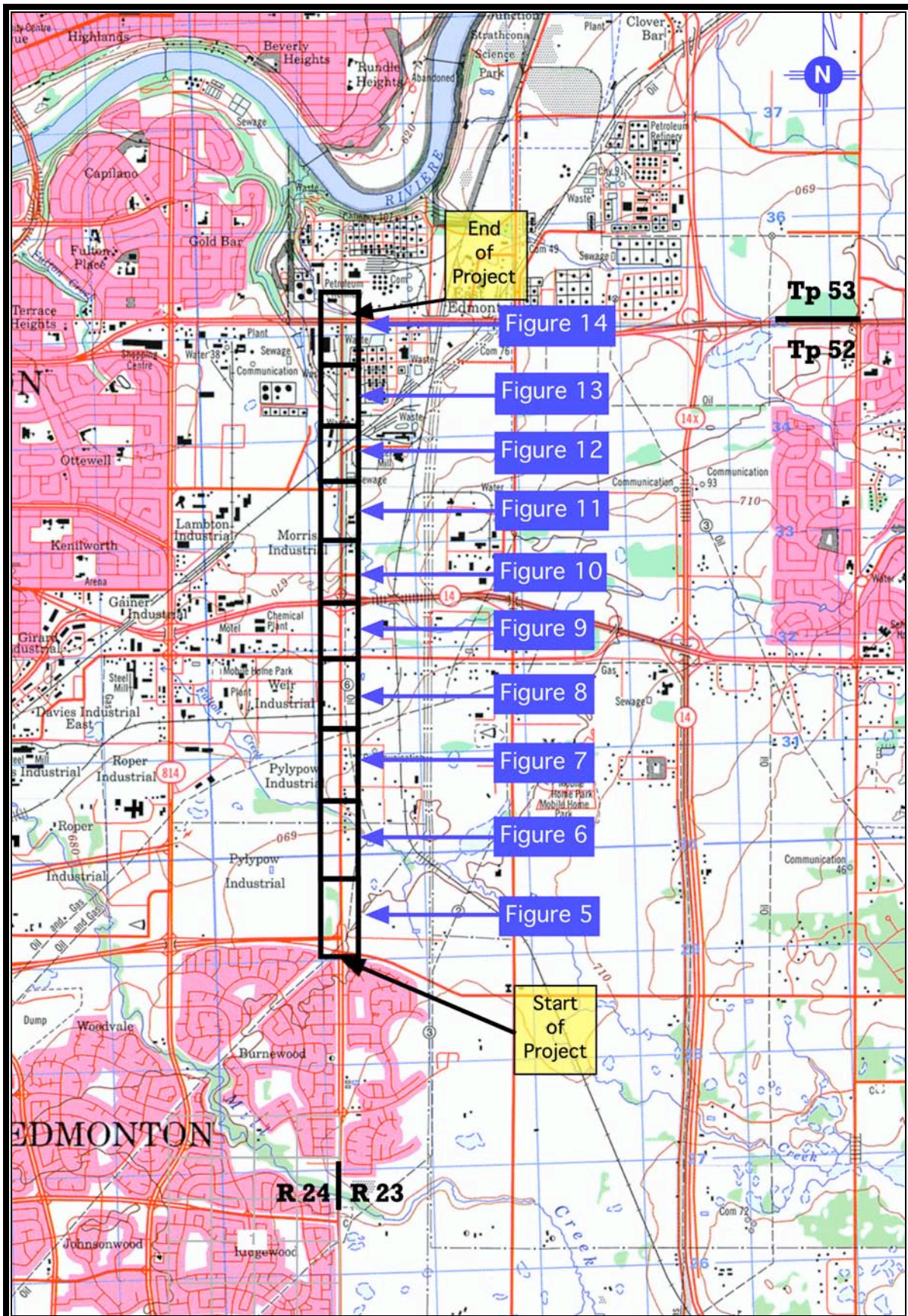


Figure 4. Map showing the locations of 10 photomosaics of the project area which follow (see Figures 5 to 14).

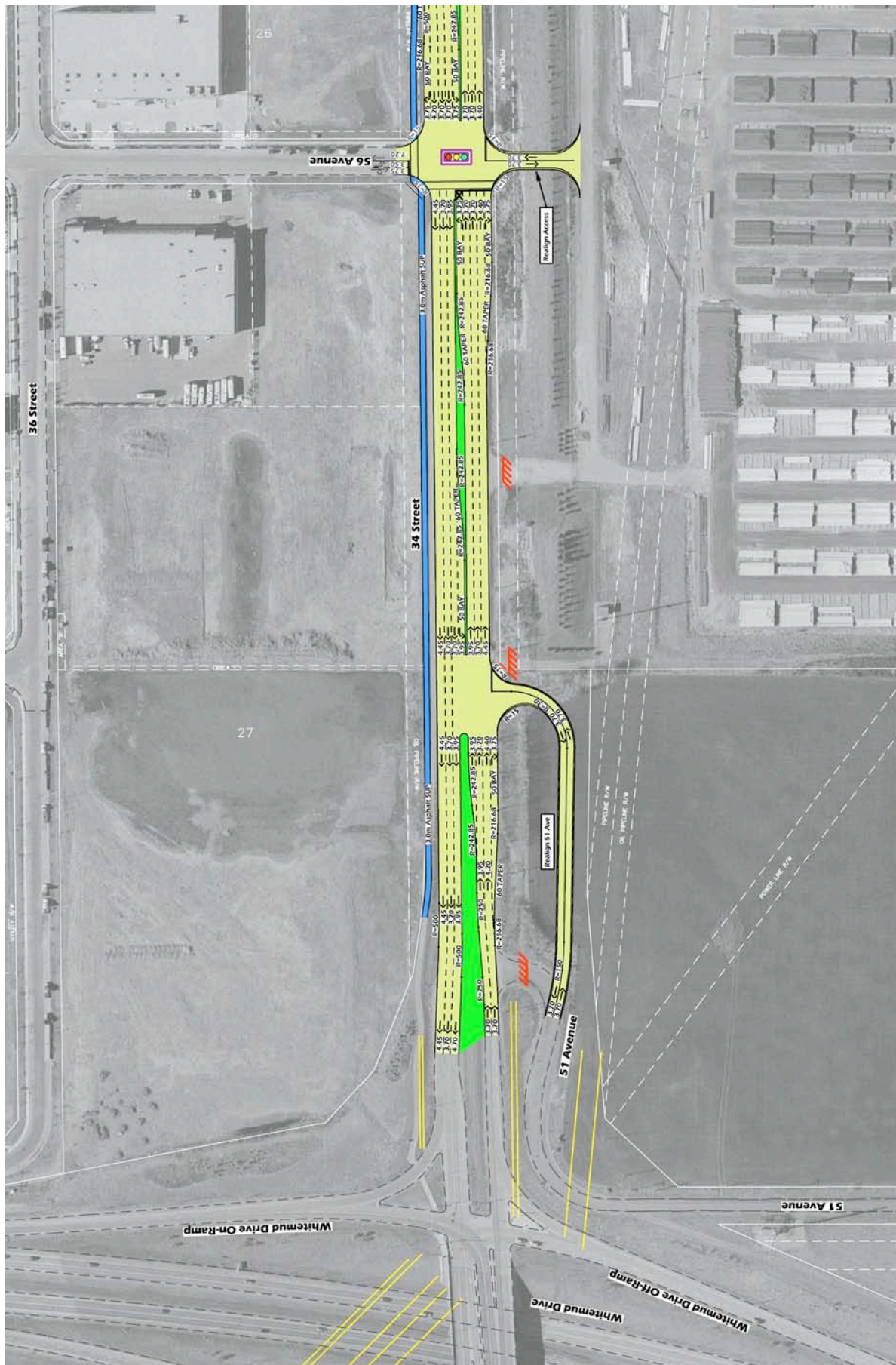


Figure 5. Photomosaic of the southern end of the project area (location shown on Figure 4).

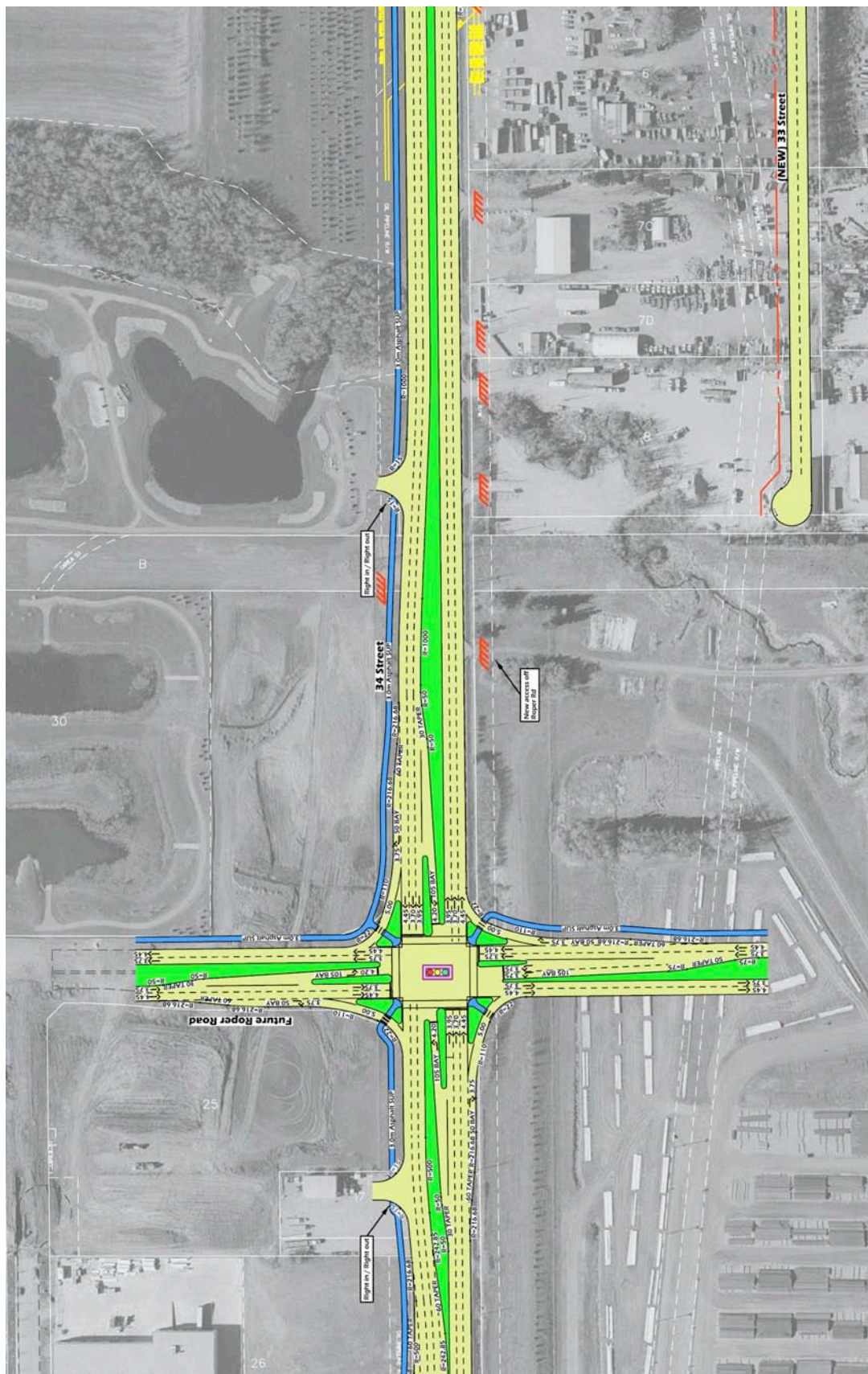


Figure 6. Photomosaic of the 2nd segment of the project area (location shown on Figure 4).



Figure 7. Photomosaic of the 3rd segment of the project area (location shown on Figure 4).

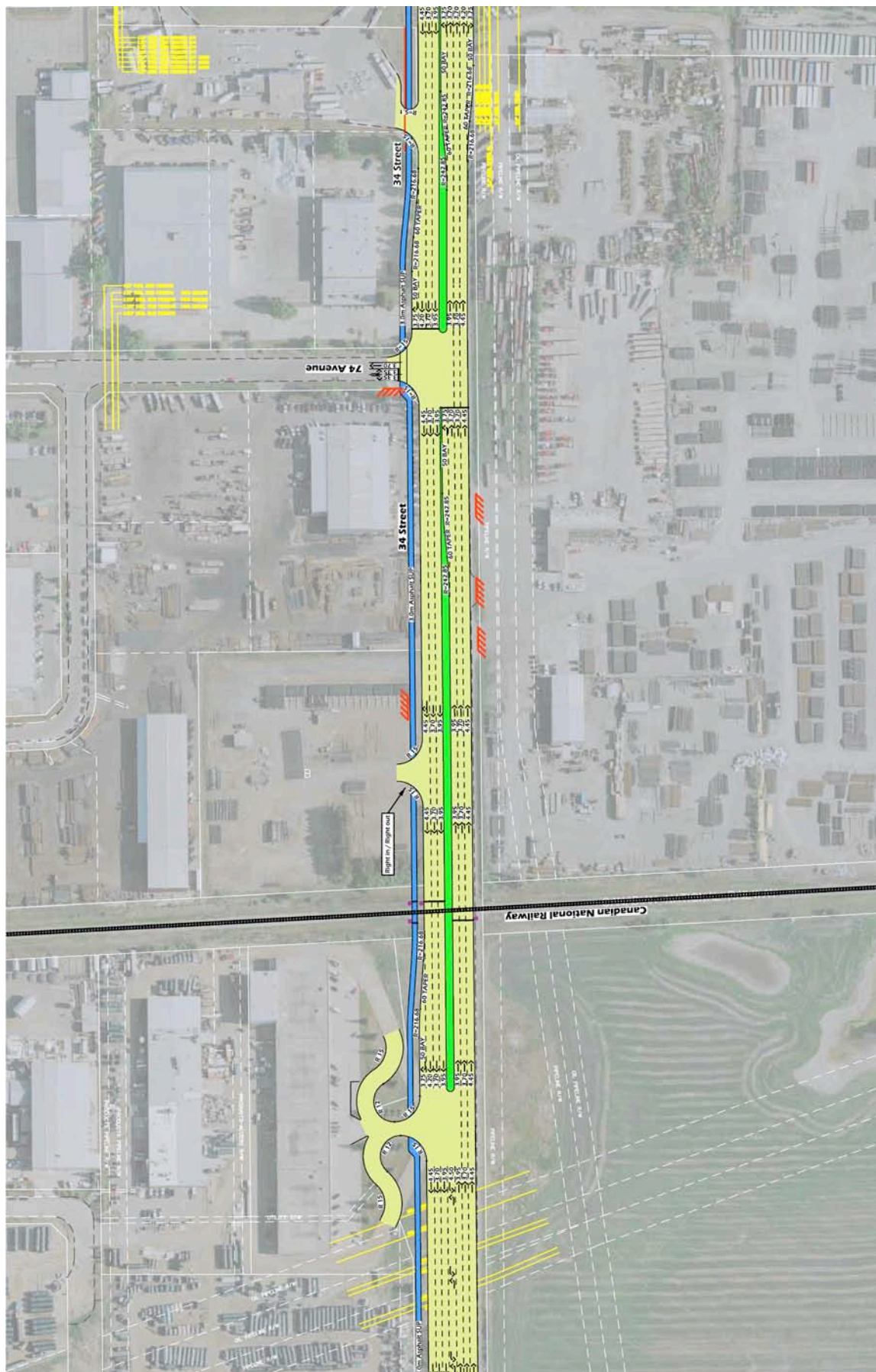


Figure 8. Photomosaic of the 4th segment of the project area (location shown on Figure 4).

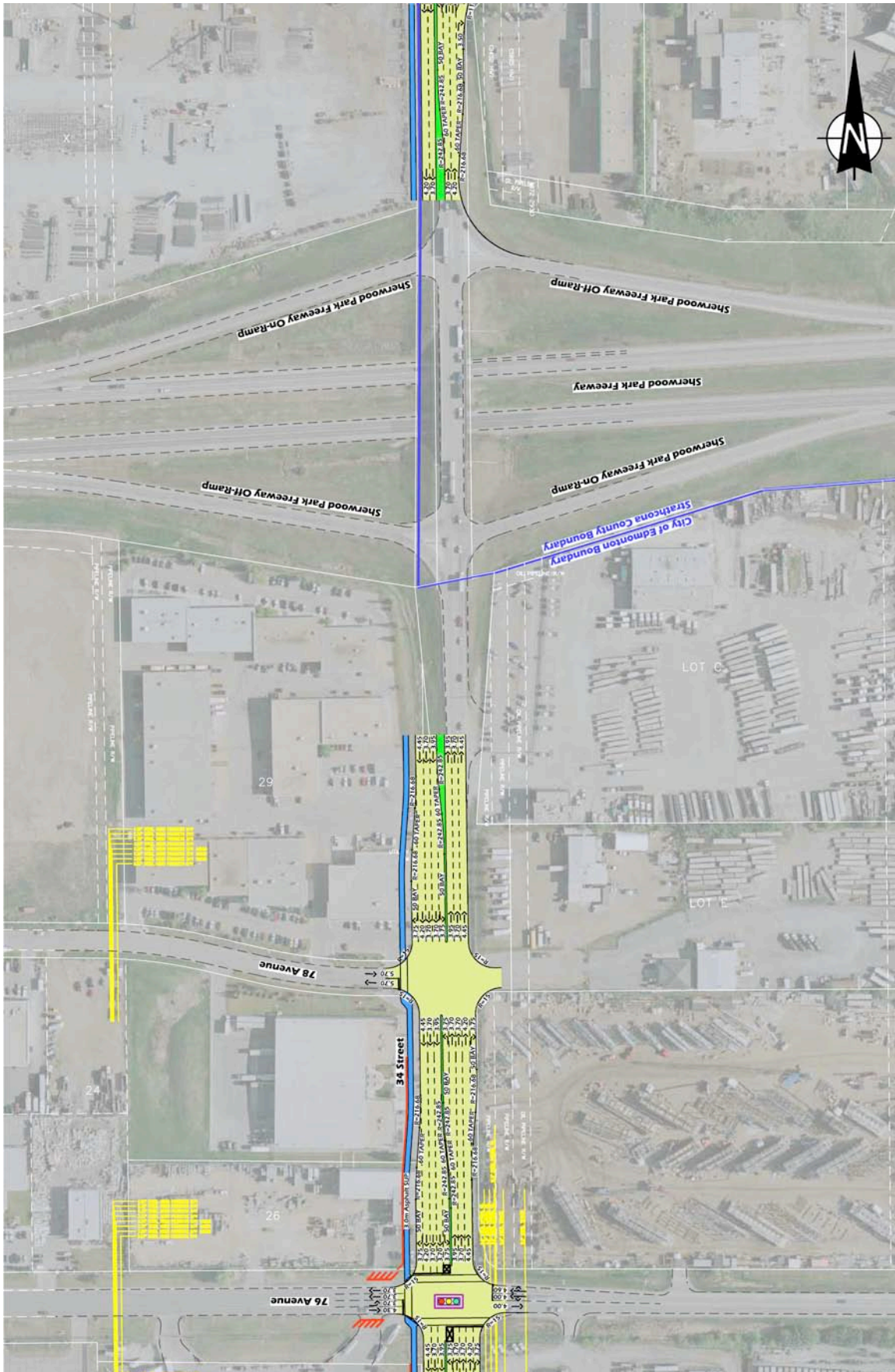


Figure 9. Photomosaic of the 5th segment of the project area (location shown on Figure 4).

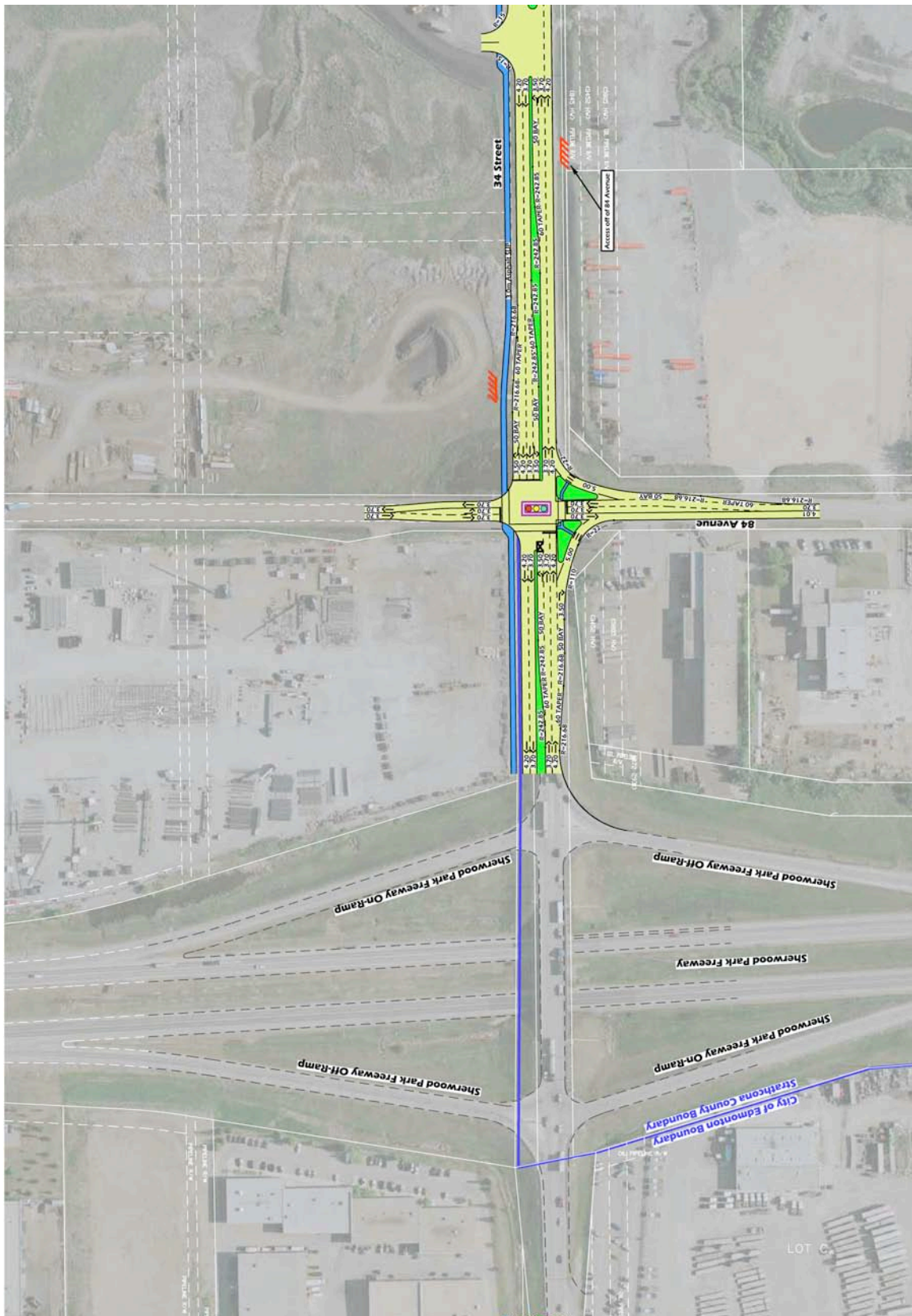


Figure 10. Photomosaic of the 6th segment of the project area (location shown on Figure 4).

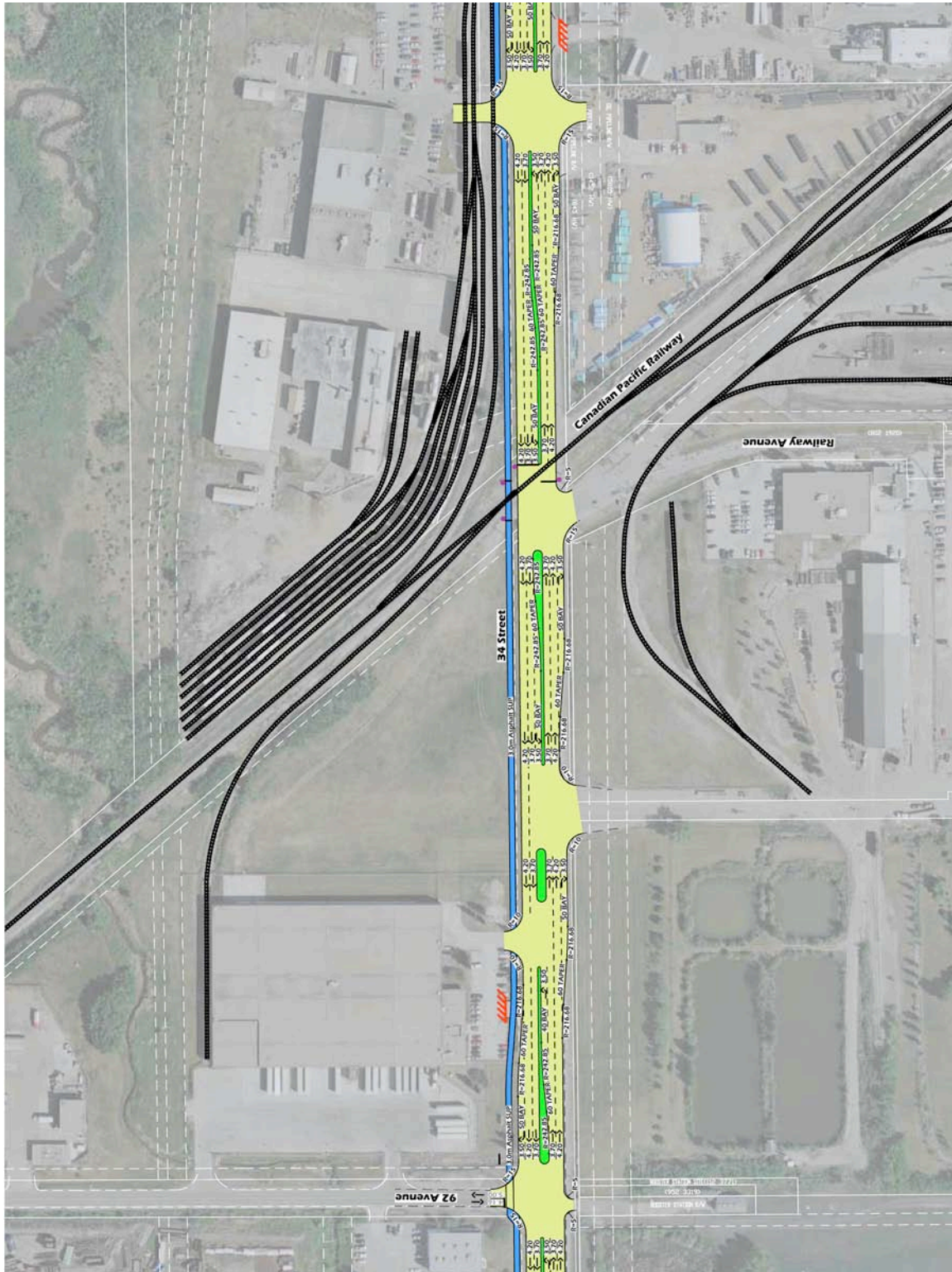


Figure 12. Photomosaic of the 8th segment of the project area (location shown on Figure 4).

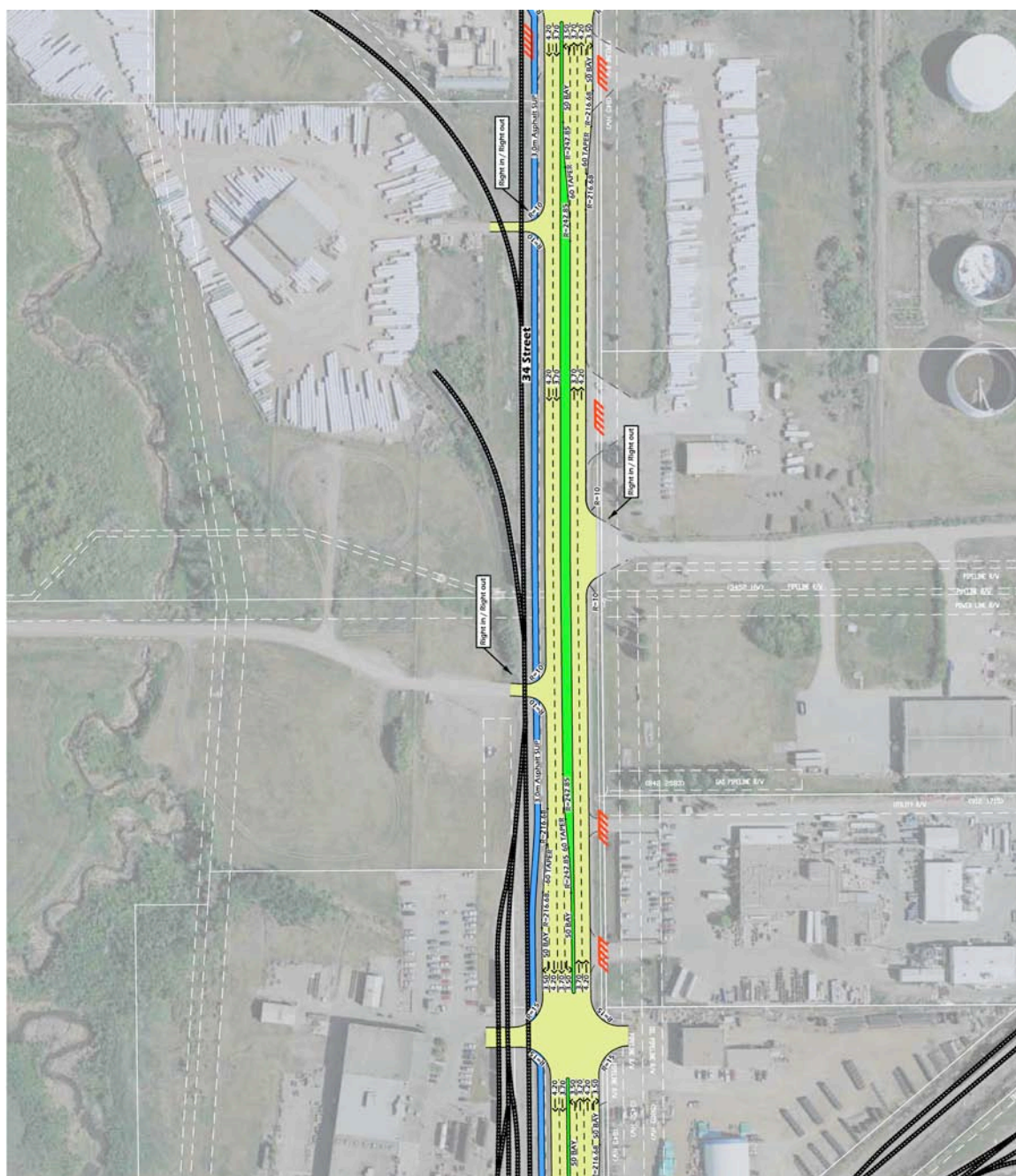


Figure 13. Photomosaic of the 9th segment of the project area (location shown on Figure 4).

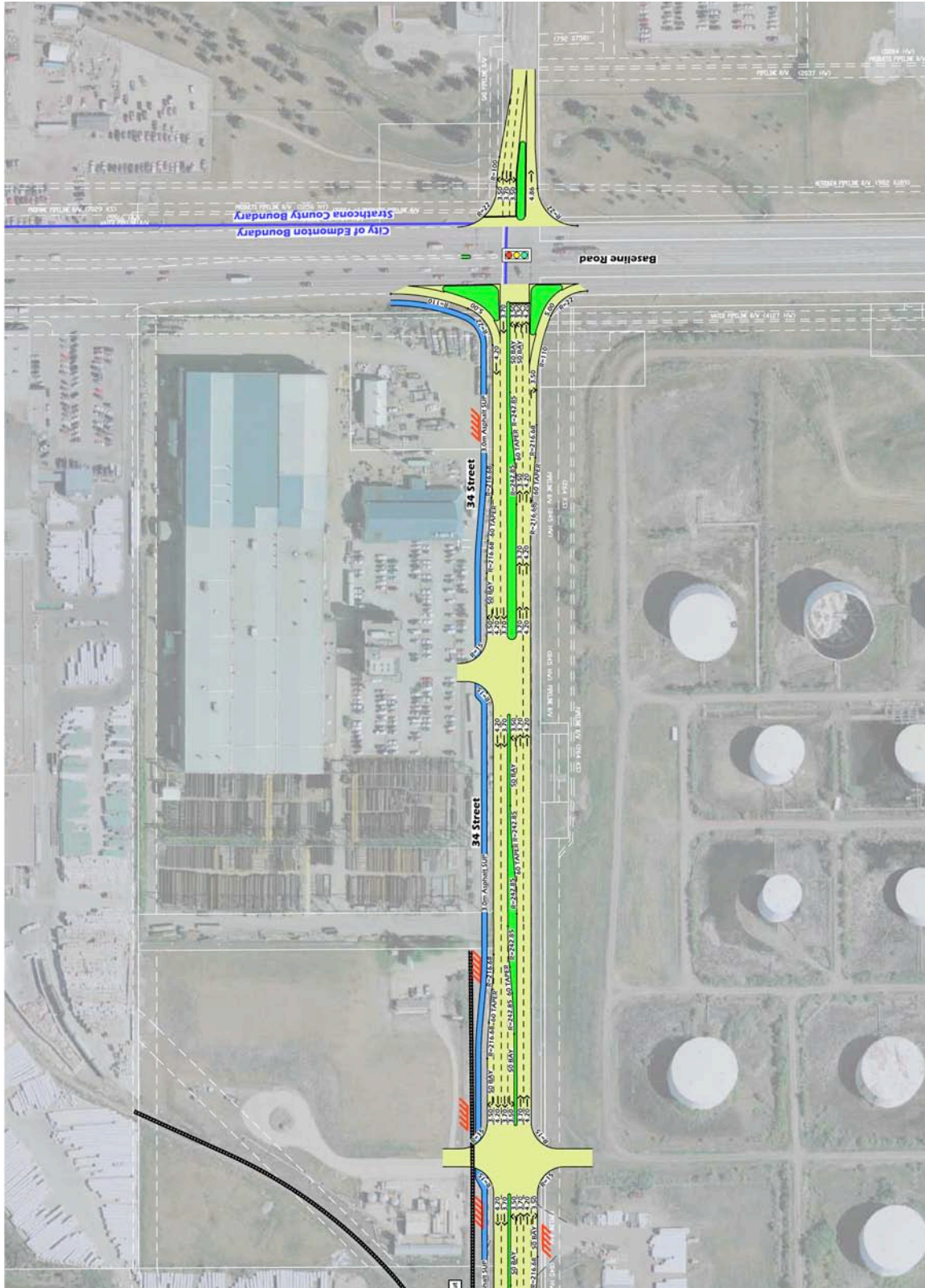


Figure 14. Photomosaic of the 10th segment of the project area (location shown on Figure 4).



Application for *Historical Resources Act* Clearance

Activity Administration

Date Received: January 25, 2013

HRM File: 4715-13-0001

Purpose of Application: ☐ All New Lands ☒ Additional Lands ☐ No New Lands

Project Category: Transportation - Urban, Municipal and Local Roads and Other Transportation Projects (4715)

Project Type: ☒ Urban Road ESRI Shapefiles are attached no
(yes/no)
Approximate Project Area (ha) 15

Project Identifier: 34 Street Upgrade Functional Planning Study; from North of Whitemud Drive to Baseline Road
Additional Identifier(s):

Key Contact: Mr. Walt A Kowal Affiliation: Archaeology Group Inc.
Address: 2526 Bell Court SW City / Province: Edmonton, AB
Postal Code: T6W 1J8 Phone: (780) 438-4262
E-mail: w.kowal@shaw.ca Fax: (780) 439-4285
Your File Number:

Is the Proponent the same as the Key Contact? ☐ Yes ☒ No If no, complete the following:
Proponent: City of Edmonton Contact Name: Natalie Lazurko
Address: 12th Floor, 9803 & 102A Avenue City / Province: Edmonton, AB
Postal Code: T5J 3A3 Phone: (780) 442-4529
E-mail: Natalie.lazurko@edmonton.ca Fax: (780) 496-4287

| Proposed Development Area | | | | | Land Ownership | | | |
|---------------------------|-----|-----|-----|-----------|--------------------------|--------------------------|-------------------------------------|--------------------------|
| MER | RGE | TWP | SEC | LSD List | FRH | SA | CU | CT |
| 4 | 23 | 52 | 30 | 4,5,12,13 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 23 | 52 | 31 | 4,5,12,13 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 24 | 52 | 25 | 1,8,9,16 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 23 | 52 | 18 | 4,5,12,13 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 24 | 52 | 13 | 1,8,9,16 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 24 | 52 | 24 | 1,8,9,16 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 24 | 52 | 36 | 1,8,9,16 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | 23 | 52 | 19 | 4,5,12,13 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| Listed Lands Affected | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|----------|
| MER | RGE | TWP | SEC | LSD | HRV | Category |
| 4 | 24 | 52 | 36 | 9 | 5 | p |

| | | | | | | |
|---|----|----|----|----|---|---|
| 4 | 24 | 52 | 36 | 16 | 5 | p |
|---|----|----|----|----|---|---|

Comments: Due to intensive previous ground disturbance due to sustained agricultural activity, industrial development, railroad/road construction, and other infrastructure emplacements, this right-of-way area is considered to have low potential for the discovery of intact, previously unrecorded heritage resources, and no further work is recommended for the 34 Street Upgrade from north of Whitemud Drive to Baseline Road Functional Planning Study area.

Historical Resources Impact Assessment:

For archaeological resources:

Has a HRIA been conducted? ☐ Yes ☒ No

Permit Number (if applicable):

For palaeontological resource:

Has a HRIA been conducted? ☐ Yes ☒ No

Historical Resources Act clearance is granted subject to Section 31 of the Resources Act, "a person who discovers an historic resource in the course of making an excavation for a purpose other than for the purpose of seeking historic resources shall forthwith notify the minister of the discovery". The chance discovery of historical resources is to be reported to the contacts identified within the listing.



February 19, 2013

Date