

MUNICIPALITY OF ANCHORAGE
PLANNING DEPARTMENT

MEMORANDUM

DATE: April 20, 2018

TO: Craig Lyon, Acting Director

FROM: *sf* Sharon Ferguson, Senior Planner

SUBJECT: **Case 2018-0057; ML&P Five Year Undergrounding Plan for 2018-2022**

APPLICANT: Municipal Light & Power

RECOMMENDATION SUMMARY: Accepted

Municipal Light & Power is requesting an administrative review of their five year undergrounding plan for 2018-2022. This review is requested per the requirements of AMC 21.07.050F. and 21.07.050G. for Utility Distribution Facilities. The review encompasses the following methodology: review of the applicable Municipal code requirements of AMC 21.07.050F. and 21.07.050G., and Division comments.

Municipal Code Requirements:

21.07.050A. Underground Placement Required for New or Relocated Lines

1. Except as provided in subsection B. below, all newly installed or relocated utility distribution lines (as defined in section 21.14.040) shall be placed underground.
2. Utility distribution lines owned or operated by utilities that are parties to a joint trench agreement shall be placed underground in a joint trench.
3. Nothing in this section restricts the maintenance, repair, or reinforcement of existing overhead utility distribution lines.

21.07.050F. Designation of target areas

1. An electric utility that owns poles that support nonconforming utility distribution lines shall prepare or otherwise include as part of its annual capital improvement plan, a five-year undergrounding program consistent with subsection G. below. This five-year program shall be updated on an annual basis. Priorities shall be based on undergrounding in conjunction with the electric utility's essential system improvements and then by target area as set

forth below in no particular order. The director of the planning department shall provide review and comment for consideration by the electric utilities on these five-year programs. When reviewing and commenting on these programs the director shall consider the following factors in no particular order:

- a. Whether undergrounding will avoid or eliminate an unusually heavy concentration of overhead electric distribution or other attached utility facilities.

Partially complies. The submittal includes photographs of the overhead lines to aid in evaluating whether the proposed undergrounding “will avoid or eliminate an unusually heavy concentration of overhead electric distribution or other attached utility facilities.” In some instances, there is an unusually heavy concentration of overhead lines; yet, in other instances, the overhead lines do not appear to be unusually heavy and are typical overhead lines.

- b. Whether the street or general area is extensively used by the general public and carries a heavy volume of pedestrian or vehicular traffic.

Complies, to the extent possible. According to ML&P approximately 95% of the overhead lines within their service area are located in residential areas. Thus, many of the projects are located in residential neighborhoods or the alleys of commercial areas. These projects do not carry either a heavy volume of pedestrian or vehicular traffic. Although, the plan does state that there are as of yet unspecified projects planned in the Central Business District. Additionally, the Gambell Street project will underground lines between 3rd Avenue and 15th Avenue. Gambell Street is a major arterial between 3rd Avenue and 15th Avenue.

- c. Whether the appearance of grounds and structures adjacent to the roadway is such that the removal of the overhead facilities will substantially improve the general appearance of the area.

Partially Complies. As noted above, few of the projects are located along roads with a heavy volume of pedestrian or vehicular traffic. The exception are the Eureka Street/Fireweed Lane and the Arctic Blvd projects which will improve the grounds and structures adjacent to the roadways. The projects in residential areas such as those in the backyards of homes are not adjacent to roadways and are not applicable.

Some of these residential neighborhoods will have lines undergrounded along the street but these are not streets with a heavy volume of traffic.

- d. Whether the street or area affects a public recreation area or an area of scenic interest.

Complies. The park environment for Arctic/Benson Park and Mountain View Lions Park will be improved with the undergrounding of the poles and lines. The Arctic Benson project will result in a more visually appealing park with the undergrounding of the lines that currently bisect the park. Residents visiting Elderberry Park and Nulbay Park will benefit from the improved scenic quality with the completion of the Bootleggers Cove project. The view from the Delaney Park Strip will be enhanced with the W. 9th Avenue & P Street project.

- e. Whether there is a significant opportunity to achieve economies due to the anticipated relocation or replacement of overhead lines or the widening or realignment of streets within a given area.

Complies. ML&P is aware of two projects in the five year plan where PM&E and ML&P have projects in the same area: Arctic & 27th Avenue and Mt. View Lions Park. ML&P is also coordinating projects with PM&E on the 3rd Avenue project and the Gambell Street project with DOT.

- f. Whether the five-year program sufficiently addresses the objectives of subsection G. below – Nonconforming Overhead Lines.

Partially Complies. See review below of G. Nonconforming Overhead Lines.

- g. Whether the area under consideration is within a zone where new and relocated distribution lines are required to be placed underground.

Complies. The proposed undergrounding involves existing lines that are not required to be relocated and are not new lines which are required to be undergrounded.

- h. Whether the installation of underground distribution lines is economically, technically and environmentally feasible, including the effect on an attached utility.

Complies. The response from ML&P notes that “ML&P believes the projects proposed are economically and technically feasible. The environmental effects are unknown until a design is actually underway; however ML&P presumes the projects will also be environmentally feasible.”

Further, ML&P states regarding “the effect of attached utilities, a lack of participation on a particular project is usually blamed as economically unfeasible by the attaching utility. ML&P has hosted multiple meetings with the attached utilities and has encouraged input to shape the Title 21 five year plan so all utilities can have a successful feasible project. No input from attached utilities for future projects have been received from date.”

- i. Whether undergrounding will avoid or eliminate overhead electric distribution or other attached utility facilities in a residential area with significant risk exposure to wildfire, high winds, or other natural disaster.

Complies. The plan indicates that the Glacier Street and 24th Avenue project is located inside the highest wind speed in ML&P territory.

- 2. The director shall confirm annually that the electric utilities have developed project undergrounding implementation plans. The director shall consult with the utilities and public agencies affected by any implementation plan. In reviewing implementation plans, the director shall consider the factors stated in subsection F.1. above.**

Complies. Annual plans have been submitted by ML&P since the adoption of the ordinance amendment requirements of March 1, 2005 (AO 2005-02).

- 3. The following shall be the target areas:**

- a. Central Business District: between and including Third Avenue and Tenth Avenue and L Street and Ingra Street.
- b. Midtown area: between and including New Seward Highway and Minnesota Drive and International Airport Road and Fireweed Lane.
- c. All municipal and state street improvement projects except for those which do not require relocation of utility distribution facilities.
- d. The following major traffic corridors:
 - i. Old Seward Highway.
 - ii. Ingra and Gambell Streets between and including Ninth Avenue and Fireweed Lane.
 - iii. Northern Lights Boulevard and Benson Boulevard between and including Glenwood Street and Arlington Drive.
 - iv. Muldoon Road between and including New Glenn Highway and Patterson Street.

- v. Tudor Road between and including Patterson Street and Arctic Boulevard.
- vi. Boniface Parkway between and including 30th Avenue and New Glenn Highway.
- vii. Spenard Road between and including Hillcrest Drive and International Airport Road.
- viii.. Arctic Boulevard between 17th Avenue and Tudor Road.
- ix. Lake Otis Parkway between Tudor Road and Abbott Loop
- e. All park, recreational use and scenic interest areas.
- f. Eagle River Central Business District between and including the New Glenn Highway, North Eagle River Access Road, Aurora Street as extended to the Old Glenn Highway, and the Old Glenn Highway.
- g. Any area where utility distribution facilities are provided by more than one utility as a result of mergers and boundary changes approved by the state public utilities commission.
- h. School and university areas.
- i. Any residential area with significant risk exposure to wildlife, high winds, or other natural disaster.

Complies. As mentioned previously most of the proposed undergrounding projects do not occur along major traffic corridors. A few projects will occur in or near parks. Projects are as yet unspecified to underground lines in the Central Business District. Two projects are proposed in Midtown - Arctic Blvd. & 27th and Arctic Benson Park. Both locations (CBD and Midtown) are within Target Areas.

21.07.050G. Nonconforming overhead lines

1. *An electric utility that owns poles that support nonconforming utility distribution lines shall remove the poles and place those lines underground. Any other utility that attaches to such poles shall place its lines underground at the same time that the pole owner places lines underground.*

The memorandum from ML&P states that for a project completed in 2017 at Eureka Street and Fireweed Lane that all but one pole remains because the attached utility did not remove their facilities or an attached street light remained on the pole. ML&P cut the top of the pole off and transferred ownership to the remaining attached utility.

- a. *The electric utility that owns poles shall, in each fiscal year, expend at least two percent of a three-year average of its annual gross retail*

revenues derived from utility service connections within the municipality, excluding toll revenues, revenues from sales of natural gas to third parties, and revenues from sales of electric power for resale for purposes of undergrounding nonconforming lines. An electric utility's expenditures, pursuant to AS 42.05.381(h), within the Municipality of Anchorage, shall be counted toward satisfaction of the two percent expenditure required by this subsection.

Complies. ML&P's report states that the 2% expenditure has been occurring each year as required.

- b. A utility with lines attached to a pole that is to be removed under this subsection shall place its lines underground at the same time that the pole owner places its lines underground. To underground nonconforming utility lines, an attached utility shall not be required to expend more than two percent of its annual gross retail revenues derived connections within the municipality, excluding toll revenues. For the purpose of satisfying 21.90.070, the utility's expenditures pursuant to AS 42.05.381(h) within the Municipality of Anchorage are counted toward this two percent expenditure limit.*

As noted above, the memorandum dated March 28, 2018 states that the attached utility was not placed underground last year for the Eureka Street and Fireweed Lane project. See the response to 21.07.050G.1. above.

- c. The electric utility that owns poles may choose which existing lines to underground in order to fulfill the two percent expenditure requirement, in consultation with appropriate public agencies and any other utilities.*

Complies. As stated in the undergrounding plan, ML&P determines which lines to underground, based on a set of factors. The plan notes that an evaluation review sheet is used to assess potential projects and facilities for priority decisions made by a Review Committee. Some of the factors considered in project evaluations are included in the plan.

- d. An electric utility that owns poles that does not expend the amount required in subsection A. of this section, or that expends more than that amount, may carry over the under expenditure or over expenditure as an adjustment to the following year's obligation.*

Complies. The 3-year requirement indicates an under expenditure of \$1.9 million. ML&P will carry over the under expenditure that is required with the intention to spend it in 2019. ML&P is projected to spend \$4 million in 2019.

Review Agency Comments

The Traffic Department had the following comment.

Traffic Department recommends approval of this 5 year plan with the following comments:

The potential projects listed all have the potential to impact existing infrastructure located within Utility Easements adjacent to or located within existing road rights of way. The infrastructure items includes roadways, traffic control signals and devices (including signs), road markings and sidewalks or pedestrian trails.

The Traffic Department is requesting an opportunity to comment on design development level (65%) drawings on individual projects to minimize impact to existing infrastructure and to ensure that any impacted infrastructure is replaced or reconstructed in way that complies with current codes and regulations.

Department Comments

The Division finds that the five year (2018 – 2022) Distribution Facilities Undergrounding Plan from ML&P generally complies in most instances with the requirements and intent of AMC 21.07.050F and 21.07.050G. or the projects are located in areas that are not applicable to the target areas. In other instances, insufficient information was provided to assess full compliance as noted above. In the future, the Planning Department requests that information be provided to assess compliance.

1. For future plan submittals, please submit eleven copies for distribution to review agencies.



**MUNICIPAL LIGHT & POWER
ENGINEERING DIVISION
MEMORANDUM**

2018 - 0057

DATE: March 28, 2018

TO: Planning Division, Community Development Director

THRU: Gary A. Agron, Division Manager, Engineering, ML&P
Victor R. Willis, Line Design & Planning Supervisor, ML&P *28 Mar 2018* *MLW 3-28-18*

FROM: Jake K. Moe, P.E., Senior Line Design Engineer, ML&P *JM*

SUBJECT: Title 21.07.050 – Underground Ordinance: ML&P’s 5-Year Plan

In accordance with Title 21.07.050, and pursuant to AS 42.05.381, the attached document notifies the MOA Planning Director, and utilities and entities with lines attached to ML&P poles, advanced notice of underground projects (2018-2022), approved by the General Manager of ML&P.

As an owner of electric utility poles in the Anchorage area, the Municipal Assembly requires ML&P to expend at least two percent of its gross annual retail revenues from sales within the Municipality of Anchorage to remove poles supporting nonconforming overhead utility lines and place the lines underground. ML&P has prepared you eleven (11) copies of the five-year (2018-2022) undergrounding plan for converting existing overhead lines to underground. ML&P forwarded electronic copies of the plan to all utilities and entities below.

In 2017, ML&P completed one large underground project, “Eureka Street & Fireweed Lane”. On this project, all but one pole remain because attached utilities did not remove their facilities or an attached street light remained on the pole. ML&P cut the top of the pole off and transferred ownership to the remaining attached utility.

If you have any questions regarding ML&P’s five-year undergrounding plan, please contact me (263-5407) at your convenience.

cc: Mark A. Johnston, General Manager
Chris Schutte, Executive Director of ECD
Mollie Morrison, Finance Manager
Tim Prior, Manager, Operations Division
Jerry Hansen, PM&E
Rick Williams, GCI
Bobby Stone, ACS
Heather Cavanaugh, ACS
Rebecca Colton, GCI



**ML&P 5-YEAR PLAN
2018-2022**

**FOR THE REMOVAL
OF NON-CONFORMING OVERHEAD LINES
IN ACCORDANCE WITH MOA TITLE 21.07.050**

I. INTRODUCTION

Municipal Light and Power, ML&P, has been placing new distribution lines underground since the 1960s and burying existing overhead distribution lines since the early 1980s. On March 1, 2005, the Anchorage Assembly amended Title 21.07.050 to require Anchorage utilities to spend 2% of a three-year rolling average of the utility's annual gross retail revenues derived from utility service connections within the Municipality to underground existing overhead lines with the intent to accelerate the pace of burying existing overhead lines. Today the majority of ML&P's distribution system is underground. Pursuant to the Municipal Ordinance, ML&P annually develops a five-year plan which is submitted to the Municipal Planning Department for review and comment. The Plan identifies the location of lines anticipated to be buried in the coming five years. Some overhead distribution lines may never be buried due to conditions such as safety, soil conditions, and/or steep terrain. Electric lines of 69,000 volts and higher, considered Transmission, and are not required to be buried due to excessive cost and technical reasons at this point in industry development. Also, any other utility that attaches to ML&P poles is supposed to place its lines underground at the same time as per the Title 21 Ordinance. For more information, including answers to frequently asked questions, please visit the ML&P Underground webpage at <https://www.mlandp.com/News/Projects-Construction/Undergrounding>

II. PROJECT SELECTION

ML&P has set up a Title 21.07.050 Review Committee to identify potential projects to be included in its Five Year Plan. Decisions concerning which lines shall be buried and when depend on numerous factors. An evaluation review sheet is used that assesses potential projects and facilitates project priority decisions for the Committee. Some factors considered in project evaluations are:

- If there is an electrical system betterment derived that improves system condition or is required to meet forecasted load growth
- Where there are National Electrical Safety Code, NESC, issues can be improved by removing overhead lines
- Age of the facilities in the proposed project area
- View shed areas or areas with a high degree of public visibility
- Demonstrated neighborhood desire and support for a project
- Where other undergrounding project opportunities arise in conjunction with road or sewer/water projects or projects of other "wire" utilities
- Where undergrounding would eliminate an unusually heavy concentration of overhead electric lines.
- Where the street or general area is extensively used by the general public and carries a heavy volume of pedestrian or vehicular traffic

III. PROJECT LISTING

The following spreadsheet lists the projects ML&P has identified for undergrounding within the next 5 years. Projects that were started but not completed last year will be completed during the following summer. Summary sheets are included for each project that identifies the general area where conversion from overhead to underground facilities is expected. As much as ML&P would like this five-year plan to be static, there are circumstances where other necessary but

unforeseen projects may preempt and change the anticipated timing of any project listed in any Five Year Plan.

IV. FUTURE PROJECT CONSIDERATIONS

ML&P receives requests for undergrounding from diversified sources. The requests that did not make the current five year plan will remain on ML&P's list of potential undergrounding project for re-evaluation each year. These projects are listed below in alphabetical order.

DESCRIPTION

9th/10th Alley: Cordova to Karluk
 10th/11th Alley: P Street to L Street
 11th & C Street
 11th Alley – A Street to Cordova
 11th/13th: Cordova to Gambell
 12th Ave: U Street to P Street
 13th & P Street
 14th & N Street
 15th & LaTouche
 16th & K Street
 20th & Norene Street
 40th & Wright Street
 42nd & Arctic Street
 42nd & Brantley
 Airport Heights Road
 Airport Heights School – 16th & Alder
 Alder Drive & 17th Ave
 Arctic Blvd. to Aurora St. -19th to 22nd
 B Street – 40th to Tudor
 Barrow – 26th Avenue
 Carlson Park - Stanford & Cornell Drive
 College Gate Elementary - 30th & Boniface
 Columbine Street - 16th to Debarr
 Cornell Court – Emory St.
 Cottonwood & Glennwood
 Culver Place – 22nd to 24th
 Eide St. & 33rd Ave
 Esquire/Forest Park Alley

DESCRIPTION

Fairbanks & Gambell alley, near Fireweed
 Frontierland Park - 10th & E Street
 Garden Street - 15th & Sunrise Dr.
 Hillcrest Drive, east of Spenard
 Hollywood & Elm Street
 Hyder & 14th Avenue
 Inlet View Elementary – 12th & Inlet
 Kanchee Park - 3rd & Klevin
 Karluk Street – 4th to 10th
 Lawarance Court
 Lynn Drive & 40th
 Maplewood & 26th
 Maplewood/24th Trailhead
 Mt. View Lions Park
 Needle Circle
 North Star Street & 23rd Ave
 Old Seward – Tudor to 36th
 Orca Street: Merrill Field
 Park Street & 3rd Avenue
 Parkdale West Condos - 19th & Arctic
 Rogers Park Elementary–N.L. & LaTouche
 Salem Drive near MacInnes Street
 Seaforth Place to MacInnes Street
 Talkeetna & 17th
 Thompson Ave- Bragaw St. to Pine St
 Tudor & 42nd Alley
 Valley of the Moon Park – 17th & Arctic
 Winterset Drive near 36th
 Wonder Park School – 4th & Boniface

MLP ENGINEERING
MOA TITLE 21.07.050 - NON-CONFORMING OVERHEAD LINES REMOVAL
5-YEAR PLAN 2018 TO 2022

	2017				2018				2019				2020				2021				2022				
	Title 21 Requirement (1000) =		Debit		Title 21 Requirement (1000) =		Debit		Title 21 Requirement (1000) =		Debit		Title 21 Requirement (1000) =		Debit		Title 21 Requirement (1000) =		Debit		Title 21 Requirement (1000) =		Debit		
	\$2,837.0		\$2,999.6		\$2,970.4		\$1,903.7		\$3,166.4		\$1,788.3		\$3,250.0		\$3,300.0		\$3,250.0		\$3,300.0		\$3,300.0		\$3,300.0		
Debit or (Credit) from 2016		Debit		Debit or (Credit) from 2017		Debit		Debit or (Credit) from 2018		Debit		Debit or (Credit) from 2019		Debit		Debit or (Credit) from 2020		Debit		Debit or (Credit) from 2021		Debit			
Funding Available to Spend		\$1,156.7		\$1,903.7		\$1,903.7		\$1,040.6		\$874.1		\$540.6		\$3,718.9		\$968.9		\$4,218.9		\$2,218.9		\$2,218.9			
Proposed Projects		W.O.		Proposed Projects		W.O.		Proposed Projects		W.O.		Proposed Projects		W.O.		Proposed Projects		W.O.		Proposed Projects		W.O.			
Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)		Proj Cost (\$1000)			
Misc. Annual Constr.				Misc. Annual Constr.				Misc. Annual Constr.				Misc. Annual Constr.				Misc. Annual Constr.			Misc. Annual Constr.				Misc. Annual Constr.		
Burela Drive - C	11615			Mt. View Lions Park - D				Mt. View Lions Park - C				Mt. View Lions Park - C				9th & P Street - D			9th & P Street - D				9th & P Street - D		
3/4 Alley - Eagle to Ingra - D & C	11826			3/4 Alley - Eagle to Ingra - D & C				Arctic to Aurora - D				Arctic to Aurora - D				Arctic to Aurora - C			Arctic to Aurora - C				Arctic to Aurora - C		
Arctic & 27th - D	11717			Arctic & 27th - D				Arctic & 27th - C				Arctic & 27th - C				*Gambell: 3rd to 15th - D			*Gambell: 3rd to 15th - D				*Gambell: 3rd to 15th - C		
Arctic Benson Park - D	20102			Arctic Benson Park - D				Arctic Benson Park - C				Arctic Benson Park - C				Logan Street - D			Logan Street - D				Logan Street - D		
Boottleggers Cove - D	20320			Boottleggers Cove - C				Glacier St. & 22nd Ave - D				Glacier St. & 22nd Ave - D				Glacier St. & 22nd Ave - C			Glacier St. & 22nd Ave - C				Glacier St. & 22nd Ave - C		
CBD 4KV Cleanup 8/9 Alley - A to Hyder	11714			CBD 4KV Cleanup 8/9 Alley - A to Hyder				CBD 4KV Cleanup 3rd Ave - Borrow to Ingra				CBD 4KV Cleanup 3rd Ave - Borrow to Ingra				CBD Cleanup			CBD Cleanup				CBD Cleanup		
Project Sub-Total	\$2,212.6			Project Sub-Total	\$4,000.0			Project Sub-Total	\$3,500.0			Project Sub-Total	\$2,750.0			Project Sub-Total	\$5,300.0		Project Sub-Total	\$5,300.0			Project Sub-Total	\$3,200.0	
Remaining T-21 Funds	\$1,903.7			Remaining T-21 Funds	\$874.1			Remaining T-21 Funds	\$540.6			Remaining T-21 Funds	\$968.9			Remaining T-21 Funds	-\$1,081.1		Remaining T-21 Funds	-\$1,081.1			Remaining T-21 Funds	-\$981.1	

NOTES:
 1. Projects listed are for planning purposes only. A listed project does not guarantee the project will be constructed in that respective year.
 2. Costs for 2017 are actual as of 12/31/2017 Project Cost Reporting, all other chart amounts are estimated.
 3. End of year construction for 2017 is expected to be greater than YTD. Actual money spent in 2017 will be reconciled in the first quarter of 2018.
 4. Misc. Annual Constr. = Blanket Workorders (ex: overhead service retirements and a percentage of new services)
 5. C = Outside Construction Expense D = Design Expense & Procurement

*Gambell Street: 3rd to 15th Avenue project is dependent on a Alaska DOT initiated project. ML&P will not do this project without Alaska DOT participation.

Proposed expenditures:
 Five-year requirement: \$16,846.3
 Debit or (Credit) carry over for year 2023 and on: \$15,865.1
 (\$981.1)

TITLE 21 PROJECT

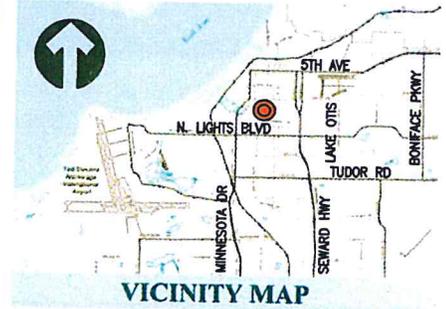
Eureka Street/Fireweed Lane

North Star Community Council: Wharton Subdivision



PROJECT COMPLETED: 2017

This project undergrounded overhead conductors in the Fireweed Lane area centered around Eureka Street. This project was in the Target Area described in the Title 21 Underground Ordinance because it removed overhead lines adjacent to a school site, North Star Elementary, and because a portion was in the area described as Mid-town.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1530

TITLE 21 PROJECT

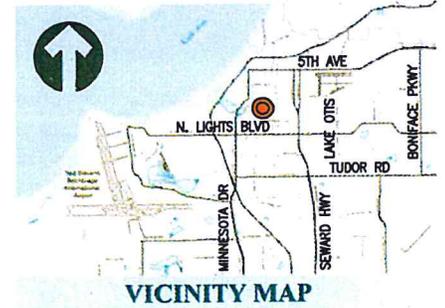
Eureka Street/Fireweed Lane

North Star Community Council: Wharton Subdivision

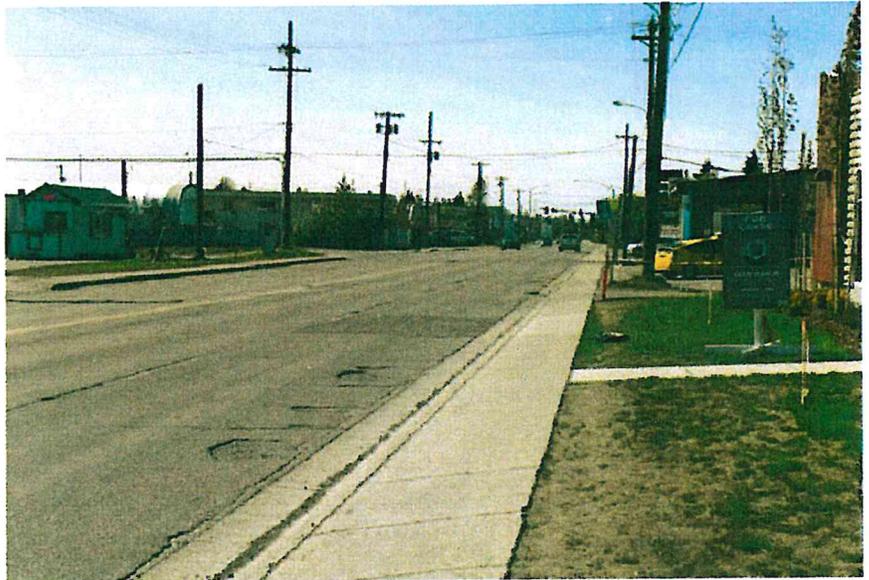


BEFORE & AFTER PHOTOS

Photos taken facing west down Fireweed Lane just east of Eureka Street. Tops of poles were cut off so communication lines remain as they didn't participate in the underground project.



BEFORE



AFTER



TITLE 21 PROJECT

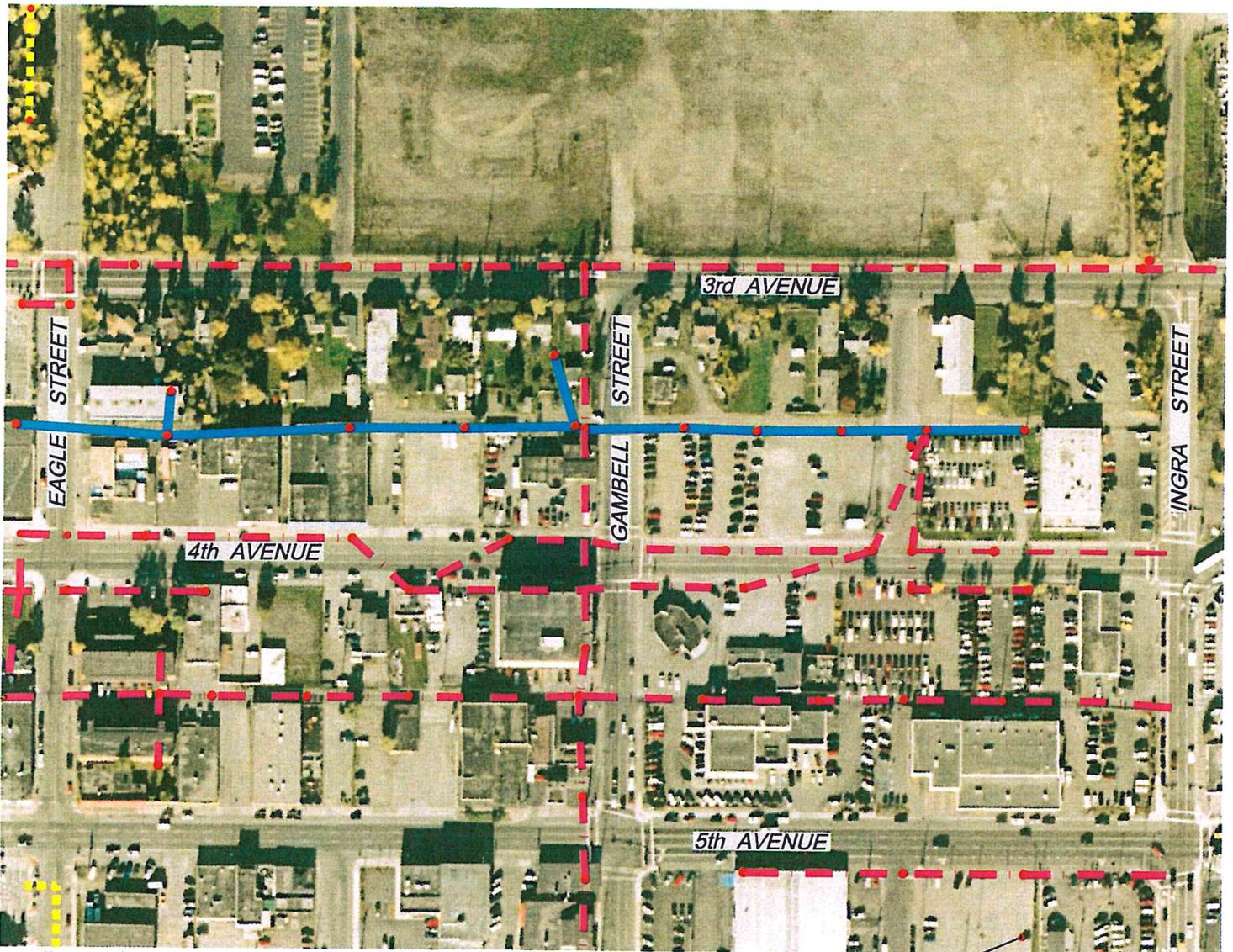
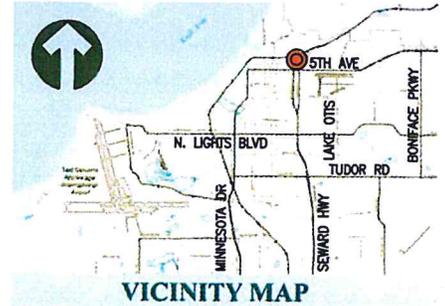
3rd & 4th Alley: Eagle to Ingra

Downtown Community Council: Anchorage Townsite East Addition Subdivision



PROJECT DESCRIPTION

This project will underground overhead power lines in the alley between 3rd & 4th Avenues extending from Eagle Street to Ingra Street. This line is currently on the 4.16kV system but will be upgraded to the 34.5kV or 12.47kV system when it goes underground. This project is in the target Area described in the Title 21 Underground Ordinance because it is located in the Central Business District. Also undergrounding lines that are tapped from the Gambell Street Utility Corridor will allow Gambell Street to one day be undergrounded.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1231

TITLE 21 PROJECT

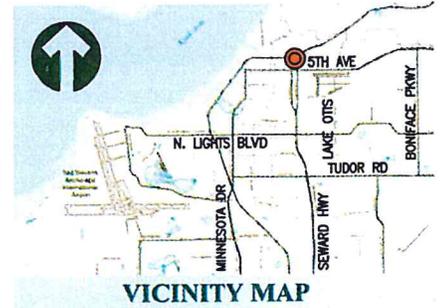
3rd & 4th Alley: Eagle to Ingra

Downtown Community Council: Anchorage Townsite East Addition Subdivision



BEFORE & AFTER PHOTOS

Photo taken facing west down the 3rd and 4th Alley near Gambell Street.



For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1231

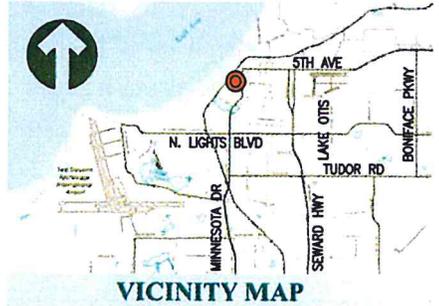
TITLE 21 PROJECT Bootleggers Cove

South Addition Community Council: L Street Slide Replat Subdivision



PROJECT DESCRIPTION

The first lines to underground begin at 5th Avenue and Pacific Place continuing south to 7th and up the bluff to 8th Avenue. The next two segments to underground are contingent on the acquisition of the necessary easements. One segment begins at 7th Avenue and Pacific Place and extends west to 'O' Place. The other segment begins on 7th at the alley between 'N' and 'O' Streets and terminates at the north end of the alley. This project is in the Target Area described in the Title 21 Underground Ordinance due to the proximity of two parks: Elderberry Park and Nulbay Park.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grids: 1229 & 1329

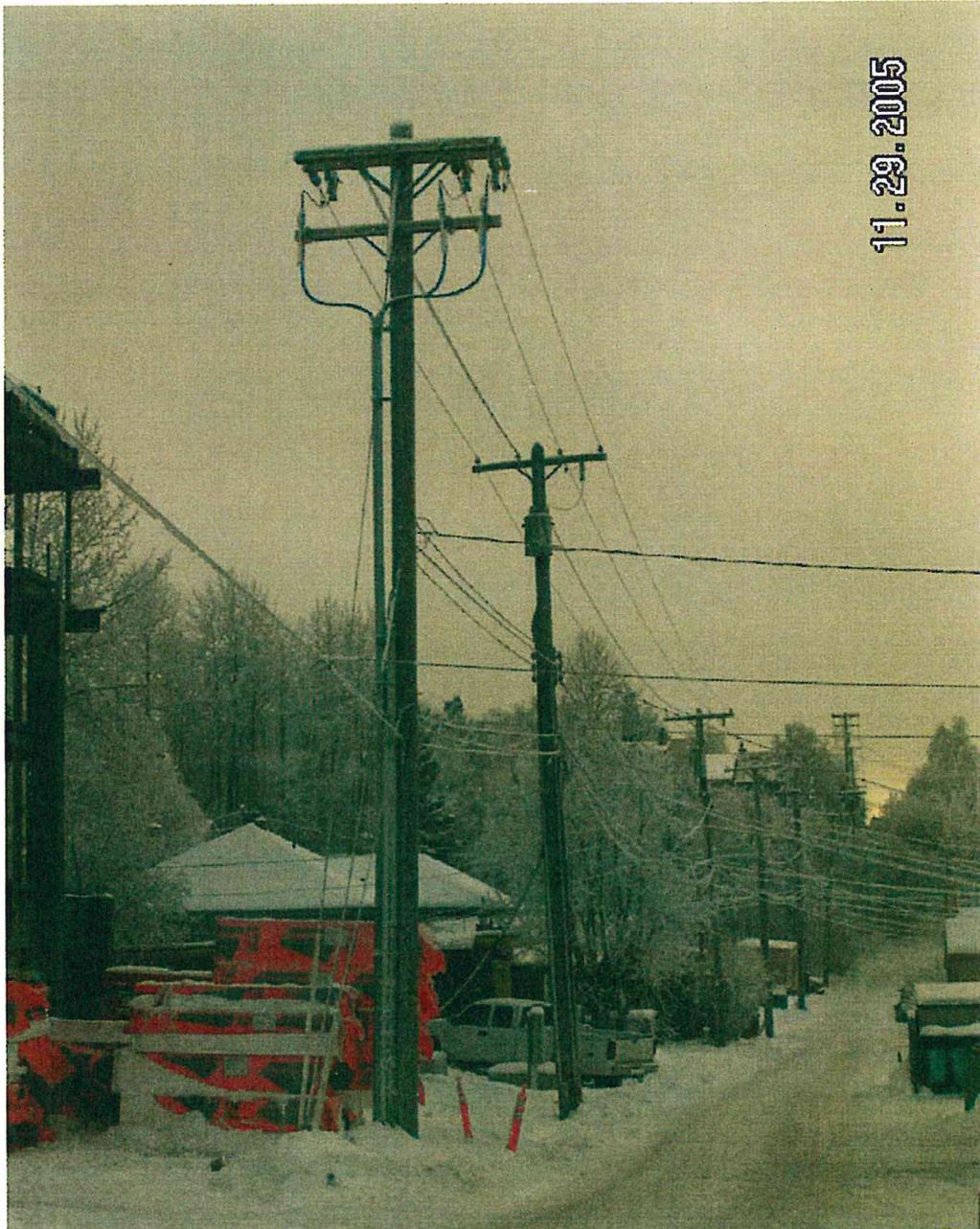
TITLE 21 PROJECT Bootleggers Cove

South Addition Community Council: L Street Slide Replat Subdivision



EXISTING PHOTO

Photo taken facing south down Pacific Place near the intersection of Pacific Place and West 5th Avenue.



For additional information contact Jake Moe (ML&P) 263-5407

Grids: 1229 & 1329

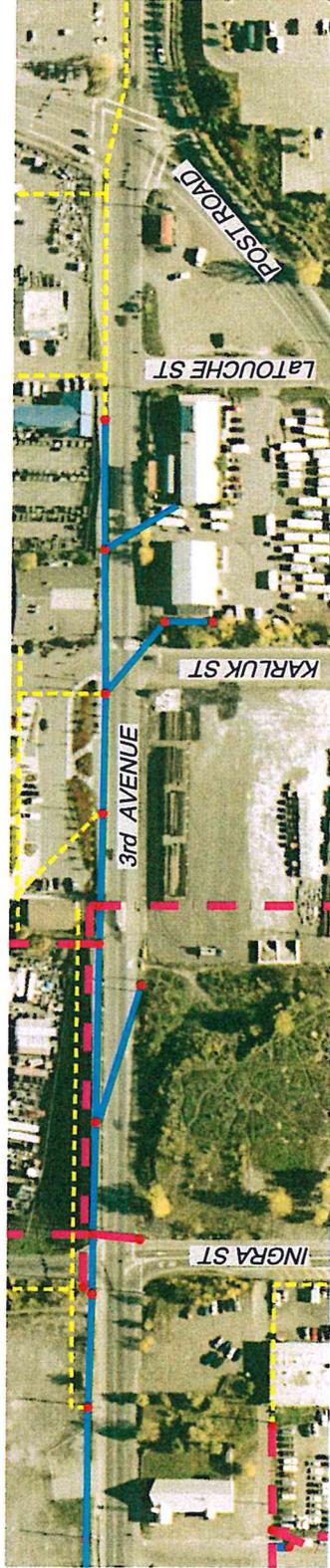
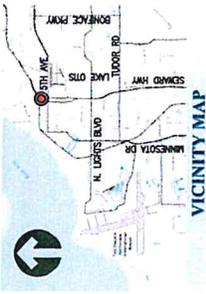


TITLE 21 PROJECT

3rd Avenue: Barrow Street to LaTouche Street
Downtown Community Council, Anchorage, Townsite East Addition Subdivision

DESCRIPTION

This project will underground overhead powerlines along 3rd Avenue from Barrow Street to LaTouche Street. This line is currently on the 4.16kV system but will be upgraded to the 34.5kV or 12.47kV system when it goes underground. This project is in the Target Area described in the Title 21 Underground Ordinance because it is located in the Central Business District. This project is planned to be coordinated with a PM&E project along 3rd Avenue from Ingra Street to Post Road. MOA will also be jointly involved in the project to install new lighting along 3rd Avenue.



Legend

- Overhead line undergrounded
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1231 & 1232

TITLE 21 PROJECT

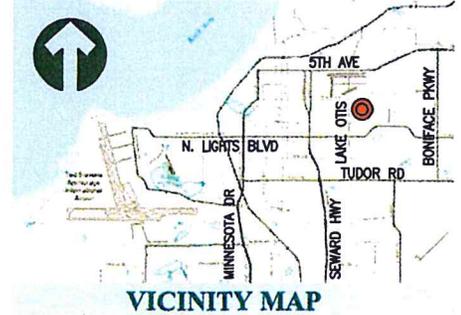
3rd Avenue: Barrow St. to LaTouche St.

Downtown Community Council: Anchorage Townsite East Addition Subdivision



EXISTING PHOTO

Photo taken facing west down 3rd Avenue near LaTouche Street.



TITLE 21 PROJECT

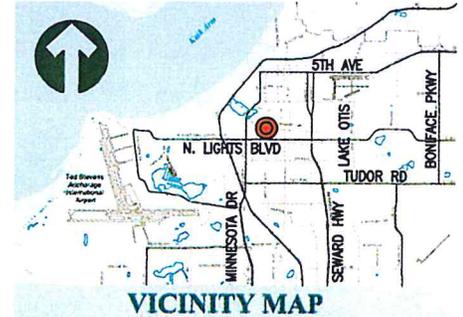
Arctic Blvd & 27th

Spenard Community Council: Sunbeam Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors in back lot lines of 27th Avenue and the primary line on 27th Avenue. Transformers and pedestals will be installed as necessary to serve the residences affected by the removal of poles from 1529-62H to 1529-92E and from 1529-62A to 1529-92D and from 1529-61D to 1529-91H. This project is in a Target Area described in the Title 21 Underground Ordinance because it is in the area described as Mid-town.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1529

TITLE 21 PROJECT

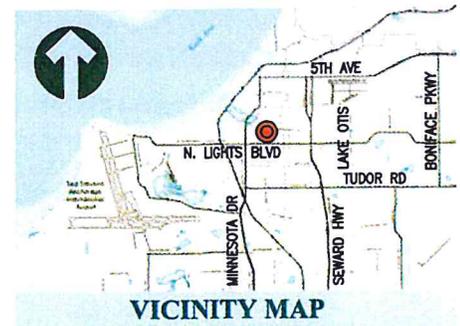
Arctic Blvd & 27th

Spenard Community Council: Sunbeam Subdivision



EXISTING PHOTO

Photo taken west down 27th Avenue between Arctic Boulevard and Spenard Road.



TITLE 21 PROJECT

Arctic Benson Park

Midtown Community Council: Bel Aire Subdivision



PROJECT DESCRIPTION

This project will start at 31st Avenue and underground south through Arctic Benson Park, across 32nd Avenue and in the alley between Arctic Blvd. and Bering Street. Street light lines in the park will also be underground. This project is in the Target Area described in the Title 21 Underground Ordinance because it will remove overhead lines that go through a park and is in the area described as Mid-town. Additionally, MOA Parks and Recreation has requested that this line be underground.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1630

TITLE 21 PROJECT

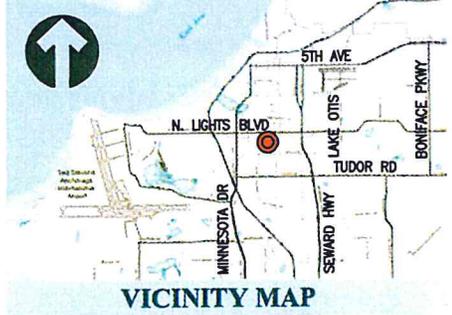
Arctic Benson Park

Midtown Community Council: Bel Aire Subdivision



EXISTING PHOTO

Photo taken facing east down West 32nd Avenue near the intersection of Arctic Boulevard and West 32nd Avenue.



TITLE 21 PROJECT

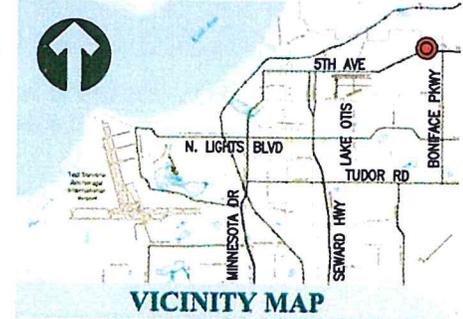
Mountain View Lions Park

Mountain View Community Council: Military Reserve Subdivision



PROJECT DESCRIPTION

This project will underground overhead power lines along McCarrey Street and Mountain View Drive. Overhead lines are currently located in the park and overhead structures disrupt audience seating arrangements of baseball games on the north field. This project is anticipated to occur simultaneously as the MOA Intersection Improvement Project at McCarrey Street and Mountain View Drive. This project is a top priority for the Mt. View Community Council. This project is the Target Area described in the Title 21 Underground Ordinance because the overhead lines are in a park.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1237

TITLE 21 PROJECT

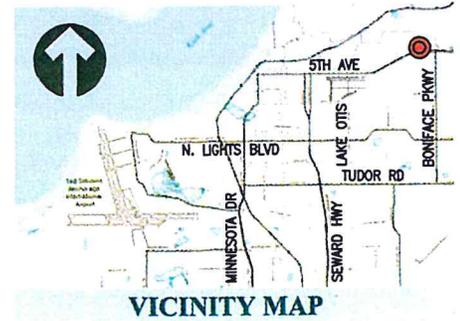
Mountain View Lions Park

Mountain View Community Council: Military Reserve Subdivision



EXISTING PHOTO

Photo taken facing north near Blackburn Field in Lions Park. Notice downguy disrupts viewing from spectators to the ball field.



TITLE 21 PROJECT

Arctic to Aurora

North Star Community Council: Thompson Subdivision



PROJECT DESCRIPTION

This project will underground power lines in the neighborhood east of Arctic Blvd., south of 19th Avenue, north of 22nd Avenue and west of Aurora Drive. Currently there are access issues as the lines are located in backyards. This project has been requested by the neighborhood and is the top priority underground project in the North Star Community Council.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1430 & 1530

TITLE 21 PROJECT

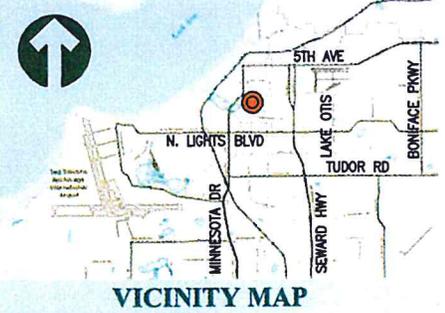
Arctic to Aurora

North Star Community Council: Thompson Subdivision



EXISTING PHOTO

Photo taken facing west down West 21st Street near an alley between Blueberry Street and Borealis Drive.



TITLE 21 PROJECT

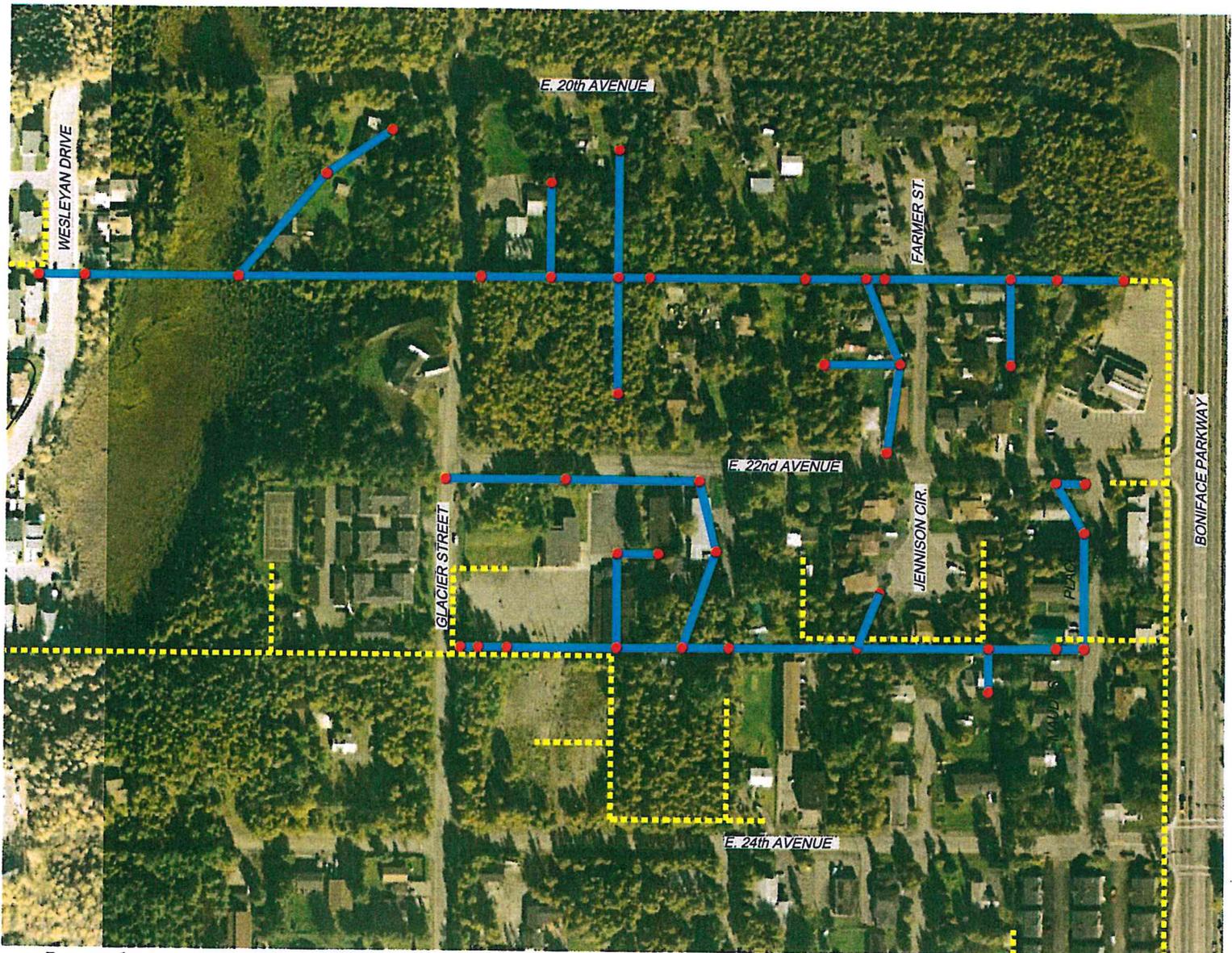
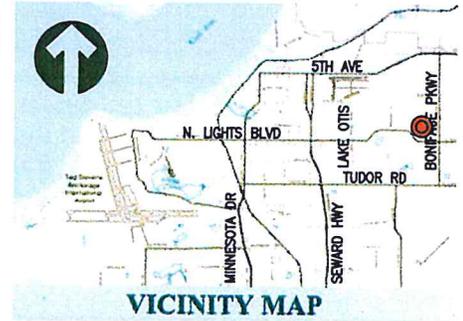
Glacier Street & 22nd Avenue

Russian Jack Community Council



PROJECT DESCRIPTION

This project will remove overhead electric lines west of Boniface Parkway and north of E. 24th Avenue. The new underground lines will connect primary loops for increased reliability. This area has seen a very high number of outages, especially due to high winds and squirrels. Restoring outages have been difficult due to accessibility issues. This project is in the Target Area described in the Title 21 Underground Ordinance because undergrounding these overhead lines will eliminate the power outage risk associated with the high winds. The MOA Planning Department issued a "Three Second Gust Wind Zones" map. This project is inside the highest wind speed in ML&P territory, 120 MPH.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

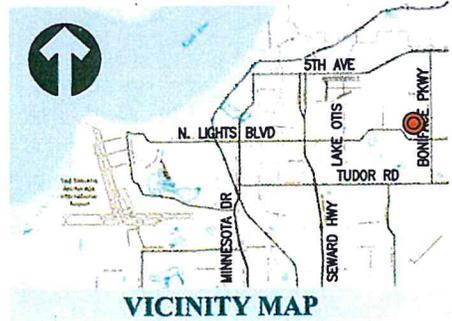
Grid Map No: 1537

TITLE 21 PROJECT
Glacier Street & 22nd Avenue
Russian Jack Community Council



EXISTING PHOTO

Photo taken facing west from Maudest Place down the overhead lines between East 22nd Avenue and East 24th Avenue.



TITLE 21 PROJECT

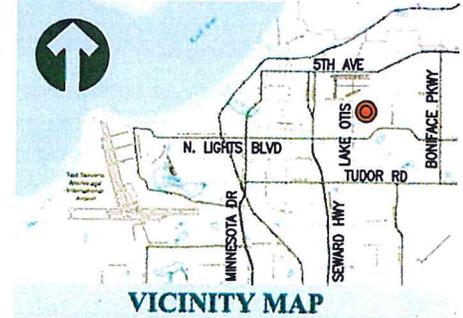
Logan Street: E. 17th Ave. to E. 20th Ave.

Airport Heights Community Council: City View Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors in east and west back lot lines of Logan Street from E. 17th Avenue to E. 20th Avenue. Multiple customers have requested these lines be underground. The existing poles are some of the oldest in ML&P territory and there is safety and access issues resolved by undergrounding this area.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1434

TITLE 21 PROJECT

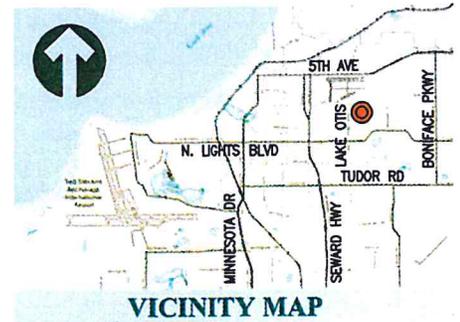
Logan Street: E. 17th Ave. to E. 20th Ave.

Airport Heights Community Council: City View Subdivision



EXISTING PHOTO

Photo was taken facing east into the backyards from Logan Street at an area between East 17th Avenue and East 20th Avenue. Note the pole top extension added to the pole to raise the distribution lines in order to get proper clearances.



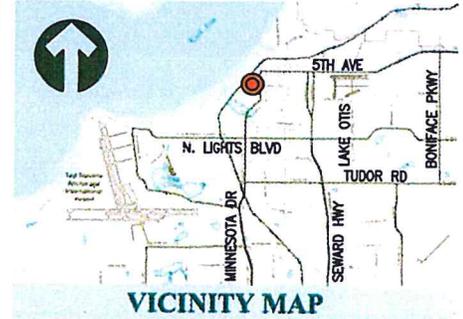
TITLE 21 PROJECT W. 9th Avenue & P Street

South Addition Community Council: L Street Slide Replat Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors along P Street, R Street, David Place, and W. 9th Avenue. Multiple customers have requested these lines be underground. This project is in a target area described in the Title 21 Underground Ordinance because existing overhead lines are adjacent to the Delaney Park Strip.



Legend

-  Overhead line to be underground
-  Overhead line to remain
-  Existing Underground line
-  Project location on Vicinity Map
-  Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

Grid: 1328

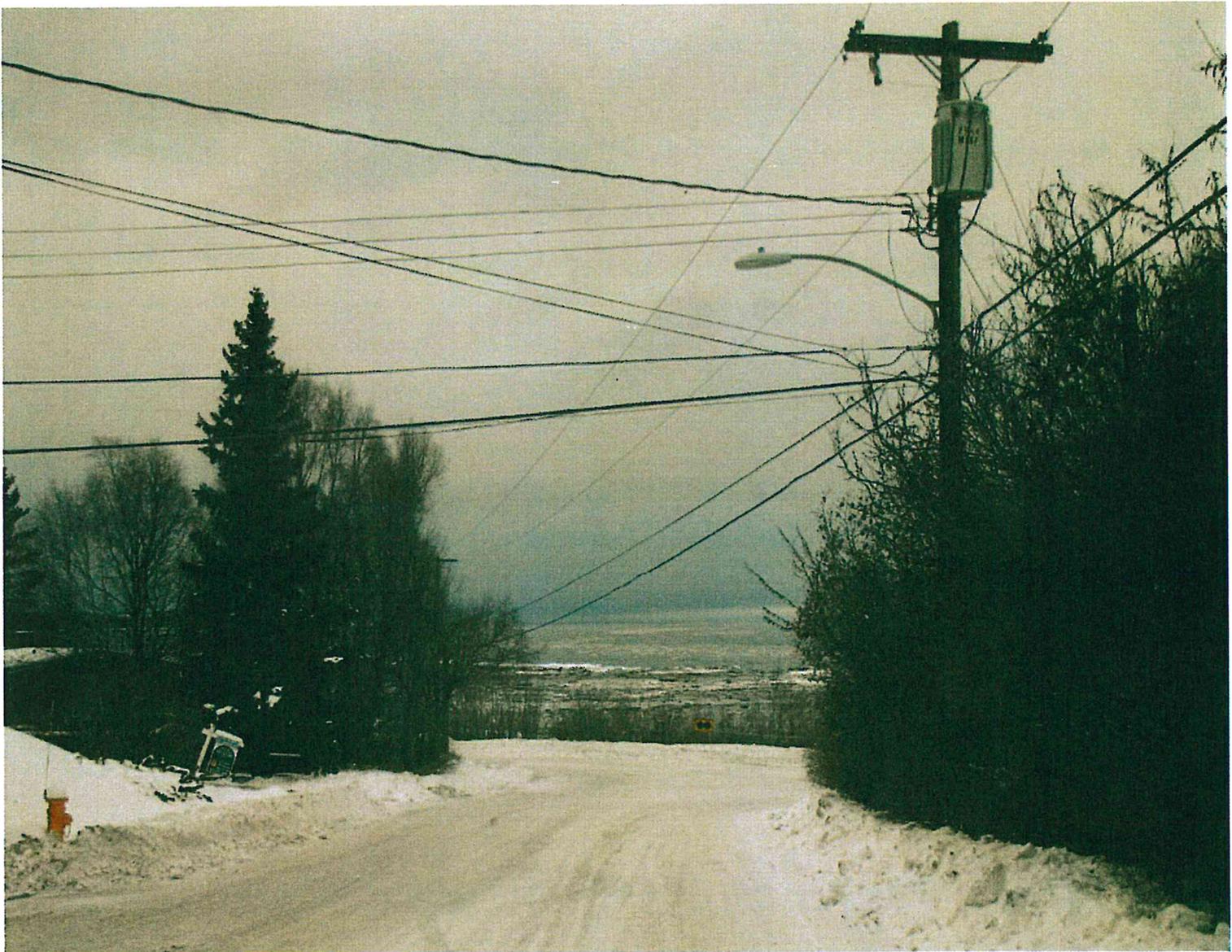
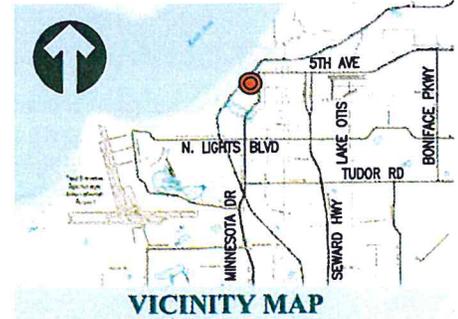
TITLE 21 PROJECT W. 9th Avenue & P Street

South Addition Community Council: L Street Slide Replat Subdivision



EXISTING PHOTO

Photo taken facing west down 9th Avenue towards the Inlet near the intersection of 9th Avenue and P Street.





TITLE 21 PROJECT

Gambell Street: 3rd Avenue to 15th Avenue

Downtown Community Council, Anchorage Townsite East- Addition Subdivision

DESCRIPTION

This project will underground overhead powerlines along Gambell Street from 3rd Avenue to the south side of 15th Avenue. This line has multiple system voltages on it. This project is planned to be in conjunction with an Alaska DOT project that will also be upgrading the street lighting. This project will not be occurring without participation of Alaska DOT. Gambell Street is described as a Target Area outlined in the Title 21 Underground Ordinance.



Legend

- Overhead line undergrounded
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

Grid: 1231, 1331 & 1431

For additional information contact Jake Moe (ML&P) 263-5407

TITLE 21 PROJECT

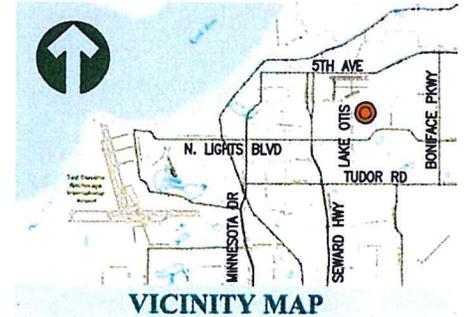
Gambell Street: 3rd Avenue to 15th Avenue

Downtown Community Council: Anchorage Townsite East Addition Subdivision



EXISTING PHOTO

Photo taken facing north down Gambell Street near 14th Avenue.



TITLE 21 PROJECT

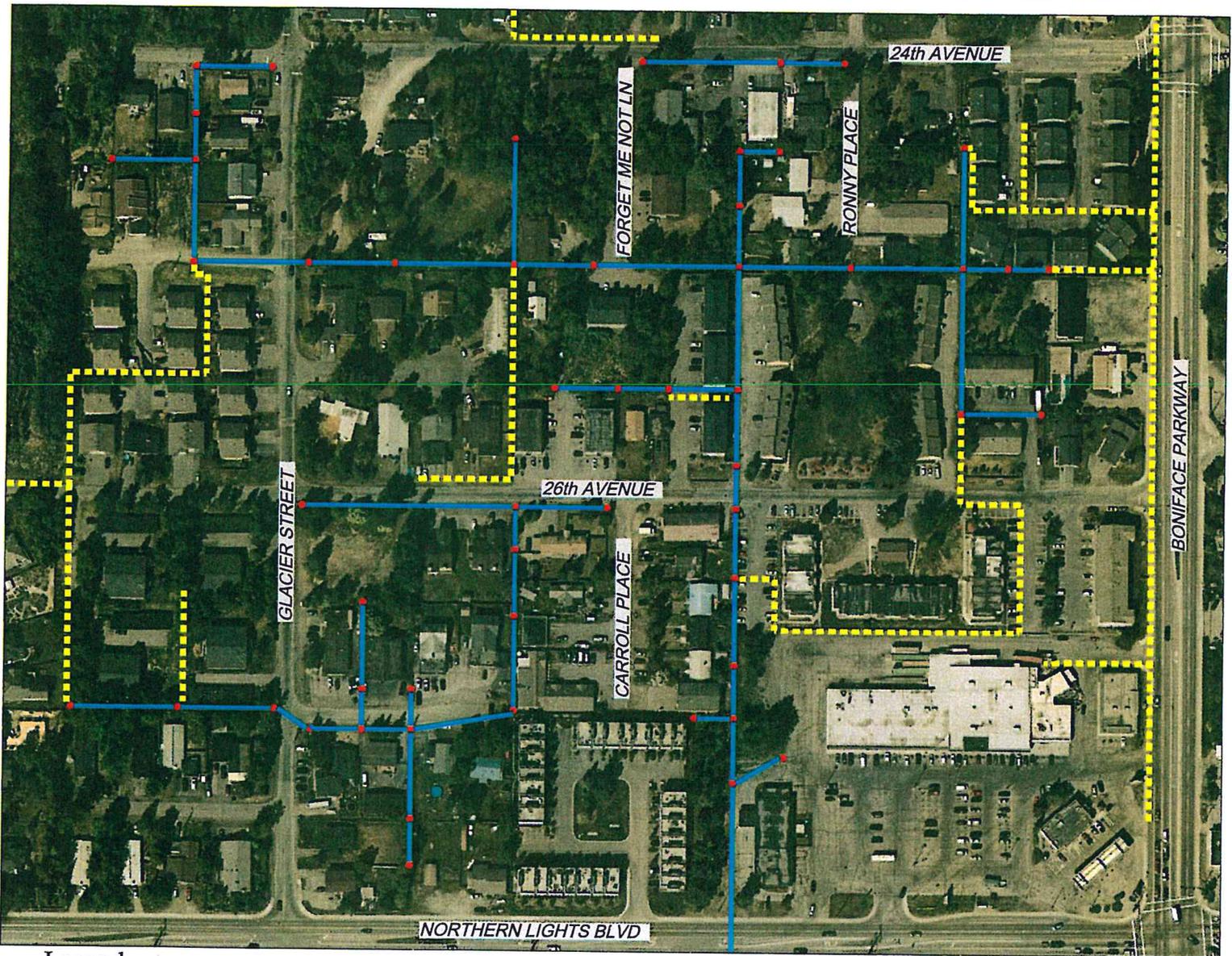
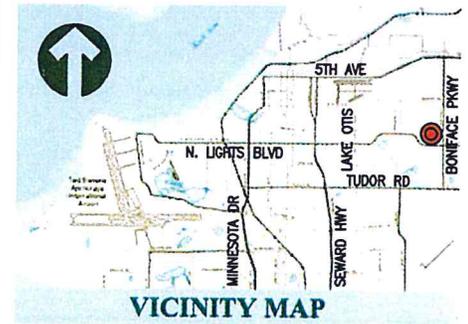
24th Avenue & Glacier Street

Russian Jack Community Council



EXISTING PHOTO

This project will remove overhead electric lines west of Boniface Parkway, south of E. 24th Avenue, north of Northern Lights Boulevard. The new underground lines will connect primary loops for increased reliability. This area has seen a very high number of outages, especially due to high winds and squirrels. Restoring outages have been difficult due to accessibility issues. This project is in the Target Area described in the Title 21 Underground Ordinance because undergrounding these overhead lines will eliminate the power outage risk associated with the high winds. The MOA Planning Department issued a "Three Second Gust Wind Zones" map. This project is inside the highest wind speed in ML&P territory, 120 MPH.



Legend

- Overhead line to be underground
- - - Overhead line to remain
- - - - Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

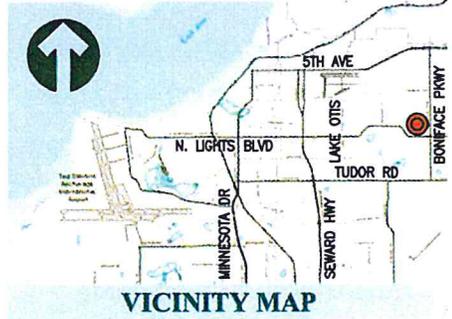
Grid: 1537

TITLE 21 PROJECT
24th Avenue & Glacier Street
Russian Jack Community Council



EXISTING PHOTO

Photo taken facing east down 26th Avenue.



TITLE 21 PROJECT

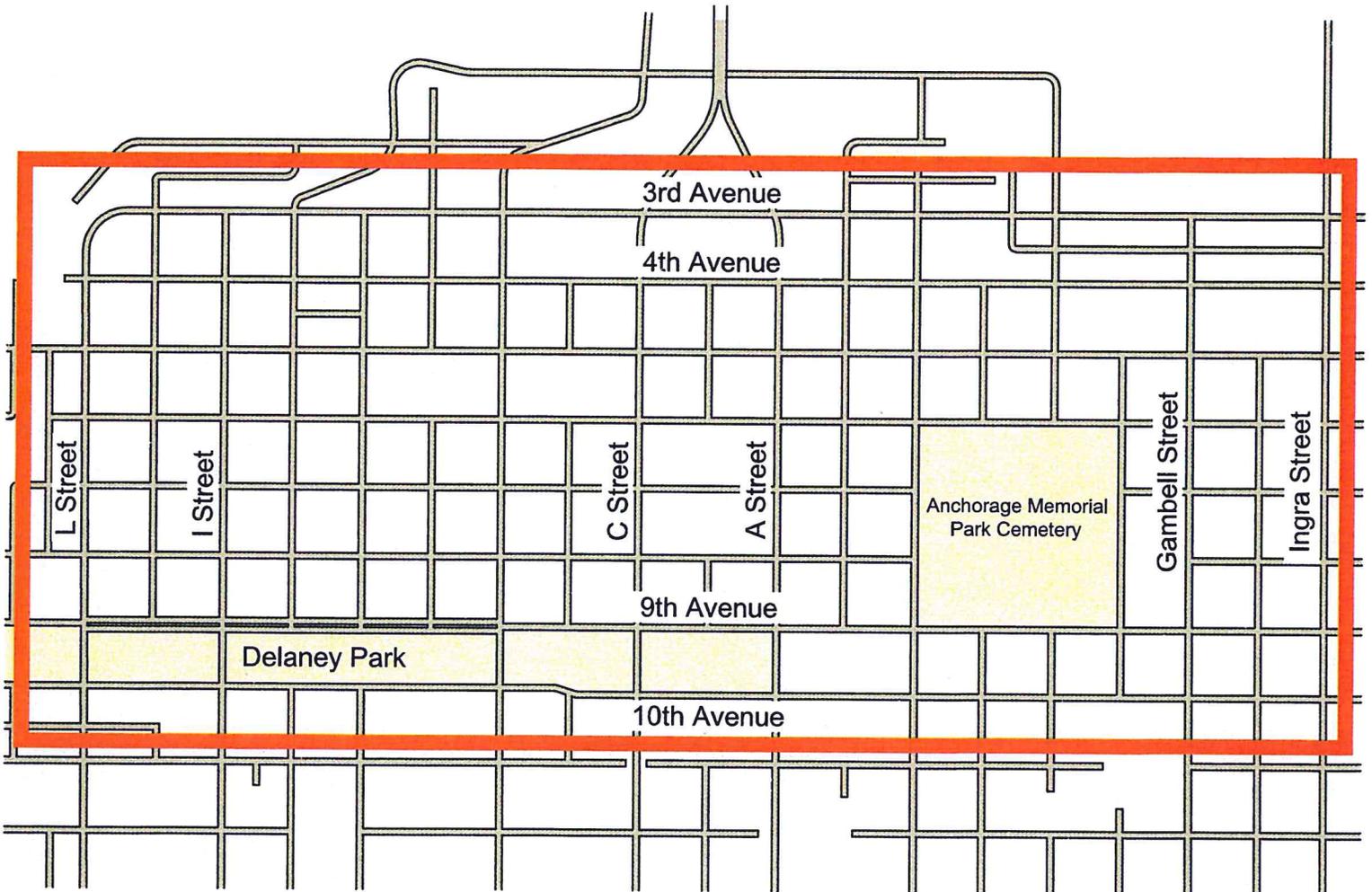
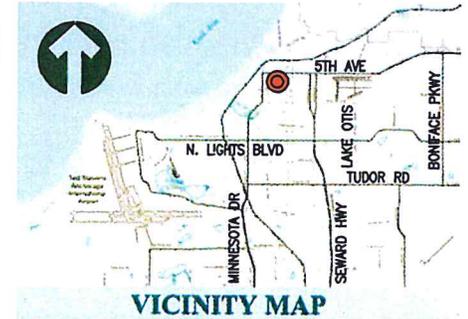
Central Business District

Downtown Community Council



PROJECT DESCRIPTION

This project will underground existing 4kV overhead lines and convert them to 35kV or 12kV underground lines. The 4kV lines are part of an aging system that will be removed from the ML&P system by 2019. This is a ML&P betterment project and will depend on system studies and property owner cooperation as to priority. Most of these lines are found in downtown alleys. This project is in the Target Area described in the Title 21 Underground Ordinance because it is located in the Central Business District.



Legend

- Overhead line to be underground
- Overhead line to remain
- Existing Underground line
- Project location on Vicinity Map
- Power Pole



Not to Scale

Drawing for use by ML&P only.

For additional information contact Jake Moe (ML&P) 263-5407

TITLE 21 PROJECT

Central Business District
Downtown Community Council



EXISTING PHOTO

Photo taken facing north-west at Fairbanks Street at the entrance of the Anchorage Memorial Park Cemetery.

