



MUNICIPAL LIGHT & POWER ENGINEERING DIVISION MEMORANDUM

DATE: February 6, 2020

TO: Michelle J. McNulty, Planning Director, MOA Planning Division

THRU: Everett T. Clary, Division Manager, Engineering, ML&P *Everett Clary* 2/6/20
Victor R. Willis, Line Design & Planning Supervisor, ML&P *VRW* 2-6-2020

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

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 (2020-2024).

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 (2020-2024) undergrounding plan for converting existing overhead lines to underground. ML&P forwarded electronic copies of the plan to all utilities and entities below.

For more information about ML&P's undergrounding program check out the website:
<https://www.mlandp.com/News/Projects-Construction/Undergrounding>

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

cc: Anna Henderson, General Manager
Chris Schutte, Executive Director of ECD
Mollie Morrison, Finance Manager
Tim Prior, Manager, Operations Division
Kent Kohlhase, PM&E

Steven Cranford, GCI
Bobby Stone, ACS
Heather Cavanaugh, ACS
Mark Cypher, GCI

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2020 - 0052
Director: 04/02/20



**ML&P 5-YEAR PLAN
2020-2024**

**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

MLP ENGINEERING
MOA TITLE 21.07.050 - NON-CONFORMING OVERHEAD LINES REMOVAL
5-YEAR PLAN 2020 TO 2024

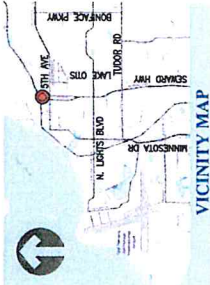
2019				2020				2021				2022				2023				2024			
Title 21 Requirement (1000) = \$3,000.0				Title 21 Requirement (1000) = \$3,000.0				Title 21 Requirement (1000) = \$3,050.0				Title 21 Requirement (1000) = \$3,050.0				Title 21 Requirement (1000) = \$3,050.0				Title 21 Requirement (1000) = \$3,050.0			
Debit or (Credit) from 2018	Debit	Debit	Funding Available to Spend	Debit or (Credit) from 2019	Debit	Debit	Funding Available to Spend	Debit or (Credit) from 2020	Debit	Debit	Funding Available to Spend	Debit or (Credit) from 2021	Debit	Debit	Funding Available to Spend	Debit or (Credit) from 2022	Debit	Debit	Funding Available to Spend	Debit or (Credit) from 2023	Debit	Debit	Funding Available to Spend
	\$1,638.8	\$1,483.8			\$1,483.8	\$1,483.8			\$848.8	\$848.8			\$248.8	\$248.8			\$1,051.2	\$1,051.2			\$801.2	\$801.2	
	\$1,483.8	\$1,483.8			\$1,483.8	\$1,483.8			\$848.8	\$848.8			\$248.8	\$248.8			\$1,051.2	\$1,051.2			\$801.2	\$801.2	
Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)	Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)	Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)	Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)	Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)	Proposed Projects	W.O. (\$1000)		Proj Cost (\$1000)
Misc. Annual Constr.			\$150.0	Misc. Annual Constr.			\$300.0	Misc. Annual Constr.			\$300.0	Misc. Annual Constr.			\$300.0	Misc. Annual Constr.			\$350.0	Misc. Annual Constr.			\$350.0
Mt. View Lions Park - D	20572		\$50.0	Mt. View Lions Park - C	20572		\$1,050.0	Arctic to Aurora - C	20980		\$2,250.0	9th & P Street - D			\$50.0	9th & P Street - D			\$200.0	9th & P Street - C			\$900.0
Arctic to Aurora - D	20980		\$25.0	Arctic to Aurora - D	20980		\$250.0	Glacier St. & 22nd Ave - D			\$300.0	Glacier St. & 22nd Ave - C			\$1,700.0	Glacier St. & 24th Ave - D			\$50.0	Glacier St. & 24th Ave - D			\$400.0
Arctic & 27th - C	20985		\$1,950.0	Arctic & 27th - C	20985		\$1,950.0	Arctic & 27th - C	20985		\$1,950.0	Arctic & 27th - C	20985		\$1,950.0	Arctic & 27th - C	20985		\$1,950.0	Arctic & 27th - C	20985		\$1,950.0
Arctic Benson Park - D	20120		\$20.0	Arctic Benson Park - C	20120		\$335.0	Arctic Benson Park - D	20120		\$335.0	Arctic Benson Park - D	20120		\$335.0	Arctic Benson Park - D	20120		\$335.0	Arctic Benson Park - D	20120		\$335.0
*Gambell: 3rd to 15th - D	20841		\$10.0	*Gambell: 3rd to 15th - D	20841		\$100.0	*Gambell: 3rd to 15th - D	20841		\$250.0	*Gambell: 3rd to 15th - C	20841		\$1,700.0	*Gambell: 3rd to 15th - C	20841		\$1,700.0	*Gambell: 3rd to 15th - C	20841		\$1,700.0
Benson: Denali to Seward Hwy - D	20604		\$50.0	Benson: Denali to Seward Hwy - C	20604		\$400.0	Benson: Denali to Seward Hwy - C	20604		\$400.0	Benson: Denali to Seward Hwy - C	20604		\$400.0	Benson: Denali to Seward Hwy - C	20604		\$400.0	Benson: Denali to Seward Hwy - C	20604		\$400.0
Inlet Place - D	20610		\$50.0	Inlet Place - C	20610		\$300.0	Inlet Place - C	20610		\$300.0	Inlet Place - C	20610		\$300.0	Inlet Place - C	20610		\$300.0	Inlet Place - C	20610		\$300.0
CBD 4th Cleanup: 3rd Ave. Barrow to Ingra	11900		\$500.0	CBD Cleanup: 7/8 Alley E to C Street	20840		\$450.0	CBD Cleanup: 4/5 Alley Gambell to Karluk			\$500.0	CBD Cleanup: 7/8 Alley Gambell to Ingra			\$350.0	CBD: Frontierland Park 10th & E			\$350.0	Midtown, Blueberry Road			\$500.0
Project Sub-Total			\$3,155.0	Project Sub-Total			\$3,635.0	Project Sub-Total			\$3,650.0	Project Sub-Total			\$4,350.0	Project Sub-Total			\$2,800.0	Project Sub-Total			\$2,250.0
Remaining T-21 Funds			\$1,483.8	Remaining T-21 Funds			\$848.8	Remaining T-21 Funds			\$248.8	Remaining T-21 Funds			-\$1,051.2	Remaining T-21 Funds			-\$801.2	Remaining T-21 Funds			-\$1.2

NOTES:

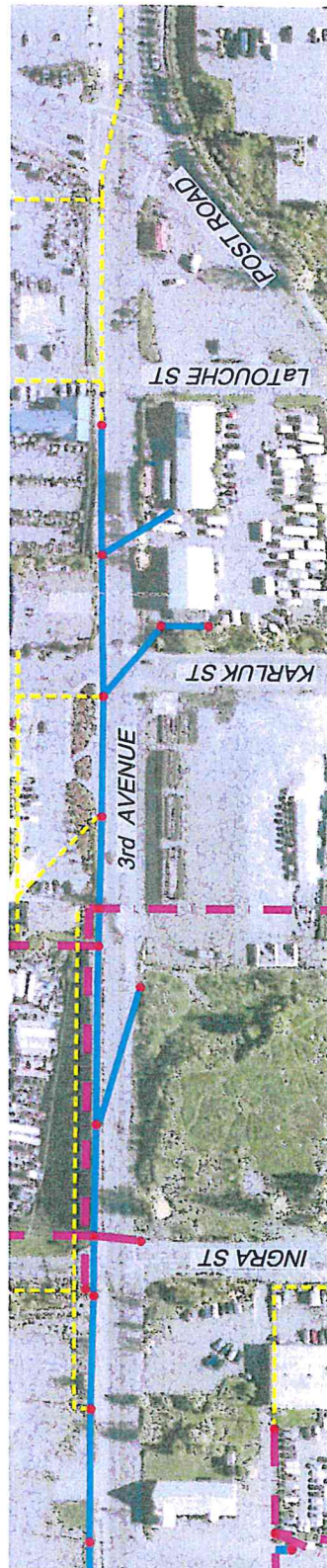
1. Projects listed are for planning purposes only. A listed project does not guarantee the project will be constructed in that respective year.
2. Costs for 2019 are actual as of 9/30/2019 Project Cost Reporting, all other chart amounts are estimated.
3. End of year construction for 2019 is expected to be greater than YTD. Actual money spent in 2019 will be reconciled in the first quarter of 2020.
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: \$15,201.2
Debit or (Credit) carry over for year 2024 and on (\$1.2)



This project undergrounded overhead powerlines along 3rd Avenue from Barrow Street to LeTouche Street. This line was on the 4.16kV system but was converted to the 34.5kV or 12.47kV system when it was undergrounded. 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 was jointly constructed with MOA to install new lighting along 3rd Avenue. The new lights had a long lead time to order so they won't be installed and the existing poles won't be removed until early 2020.



TITLE 21 PROJECT

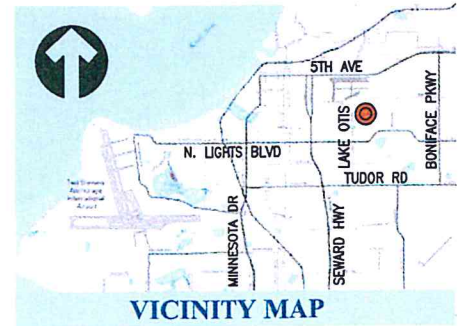
3rd Avenue: Barrow Street to LaTouche Street

Downtown Community Council: Anchorage Townsite East Addition Subdivision



EXISTING PHOTO

Photo taken facing west down 3rd Avenue near La Touche Street.



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

Grid: 1231 & 1232

TITLE 21 PROJECT

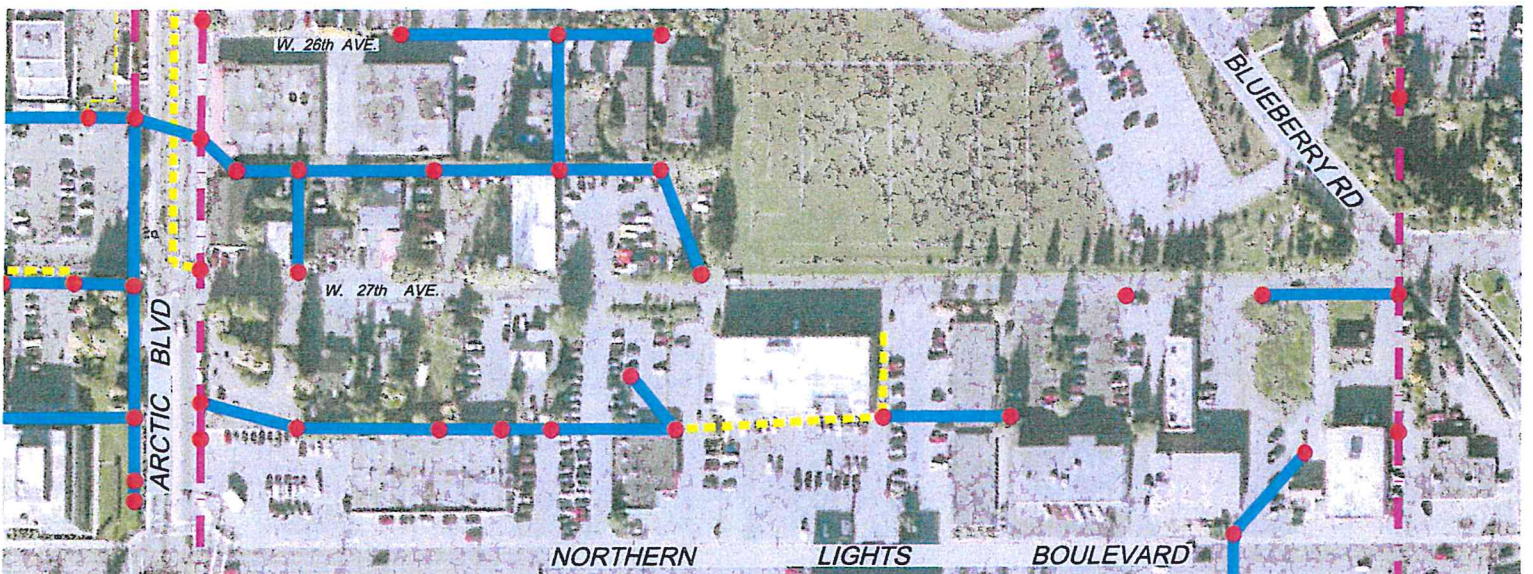
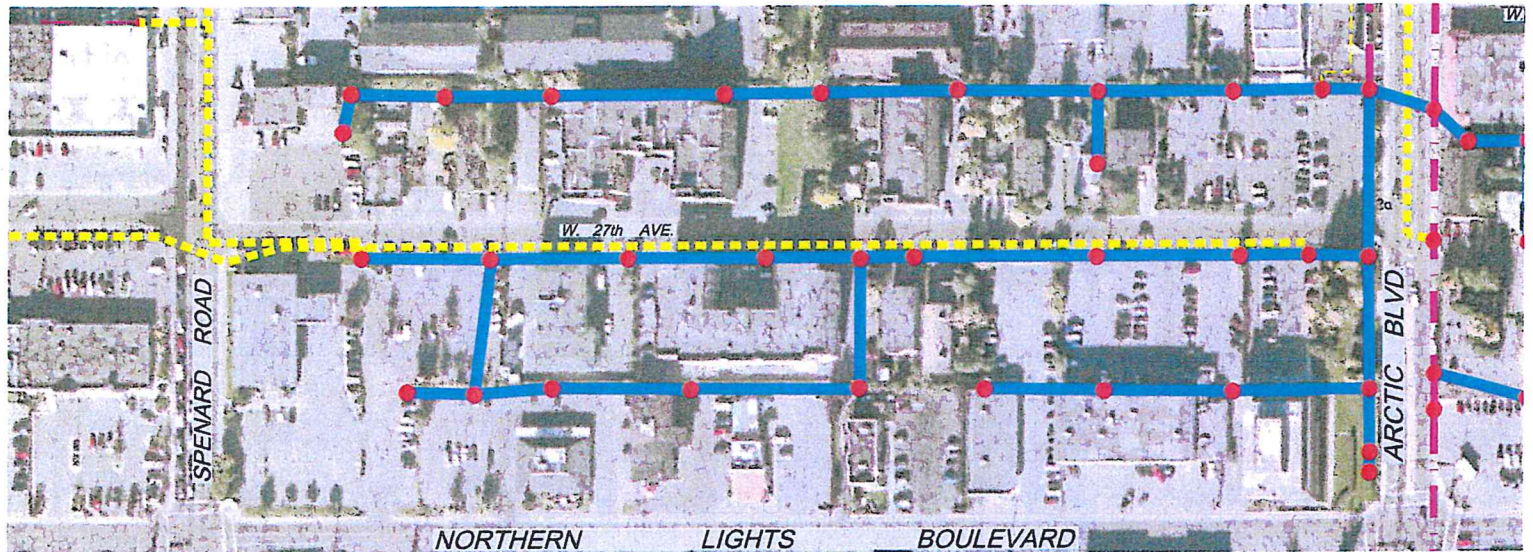
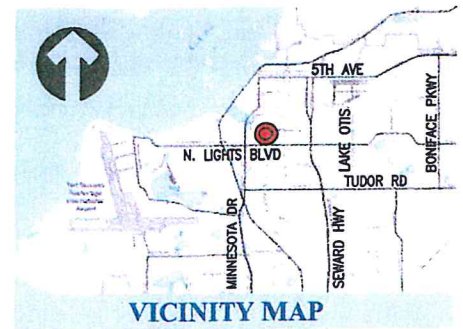
Arctic Blvd & 27th

Spenard Community Council: Sunbeam Subdivision



PROJECT COMPLETED 2019

This project will underground overhead conductors in back lot lines of 27th Avenue and the primary line on 27th Avenue. Transformers and pedestals were installed as necessary to serve the residences affected by the removal of poles from Spenard Road to the north/south line near Blueberry Road. This project was in the Target Area described in the Title 21 Underground Ordinance because it is in the area described as Mid-town.



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: 1529 & 1530

TITLE 21 PROJECT

Arctic Blvd & 27th

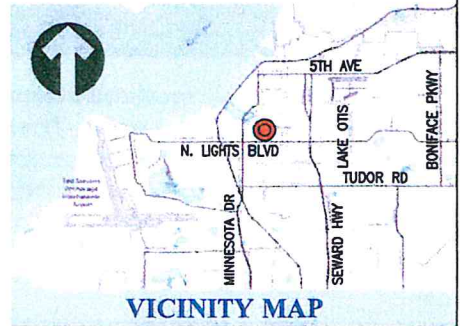
Spenard Community Council: Sunbeam Subdivision



BEFORE & AFTER PHOTOS

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

Poles were left up so communication lines and street lights could remain overhead.



BEFORE

AFTER

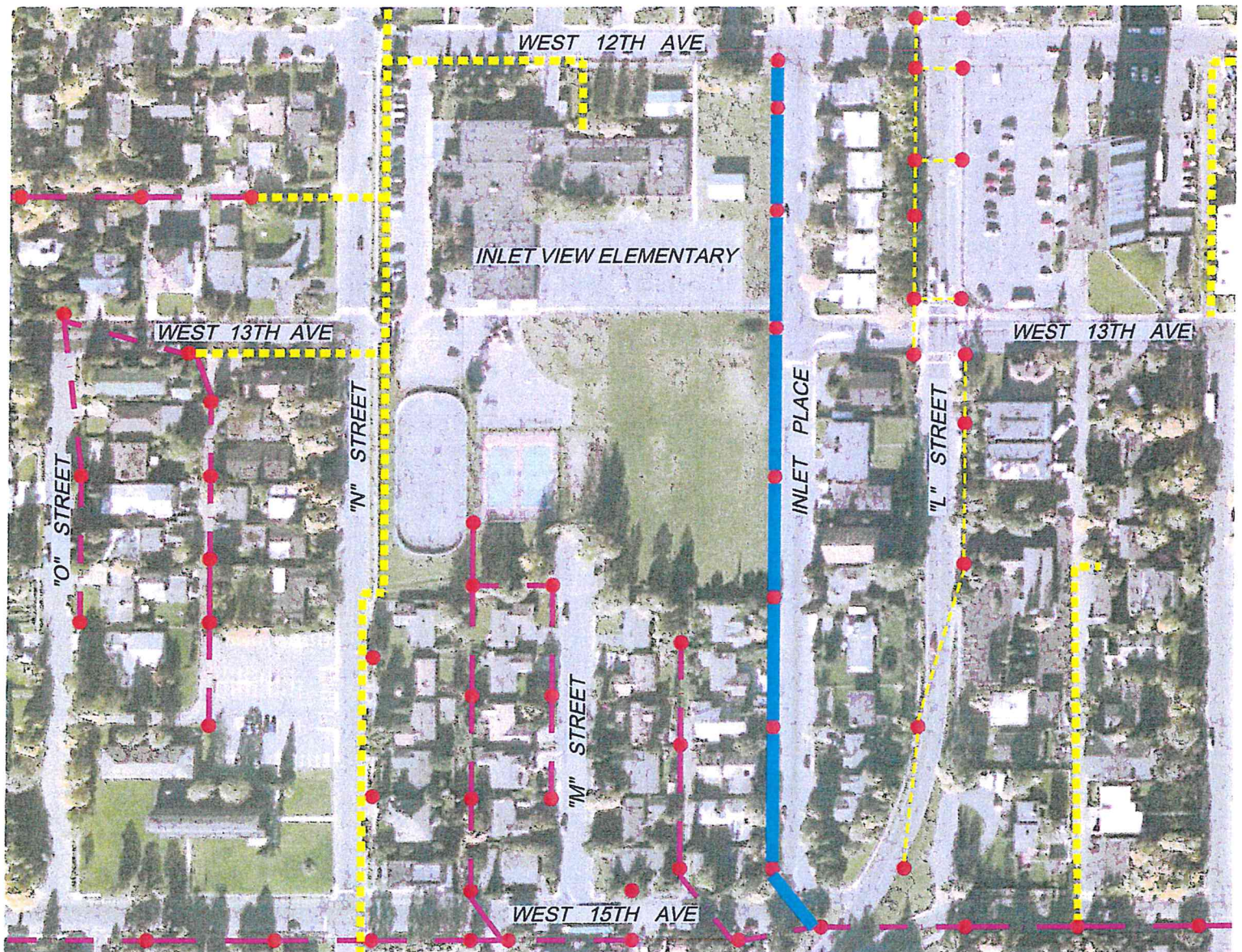
TITLE 21 PROJECT INLET PLACE

South Addition Community Council: View Ridge Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors along Inlet Place from W. 15th Avenue to W. 12th Avenue. This project is being constructed in coordination with an AWWU Water Rehab Project. This project is in the target area described in the Title 21 Underground Ordinance because existing overhead lines are adjacent to a school, Inlet View Elementary.



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: 1329 & 1429

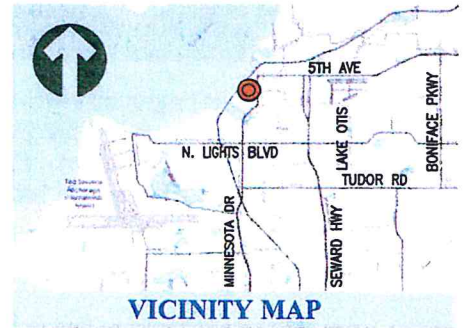
TITLE 21 PROJECT INLET PLACE

South Addition Community Council: View Ridge Subdivision



EXISTING PHOTO

This photo was taken facing north down Inlet Place near 13th Avenue.



TITLE 21 PROJECT

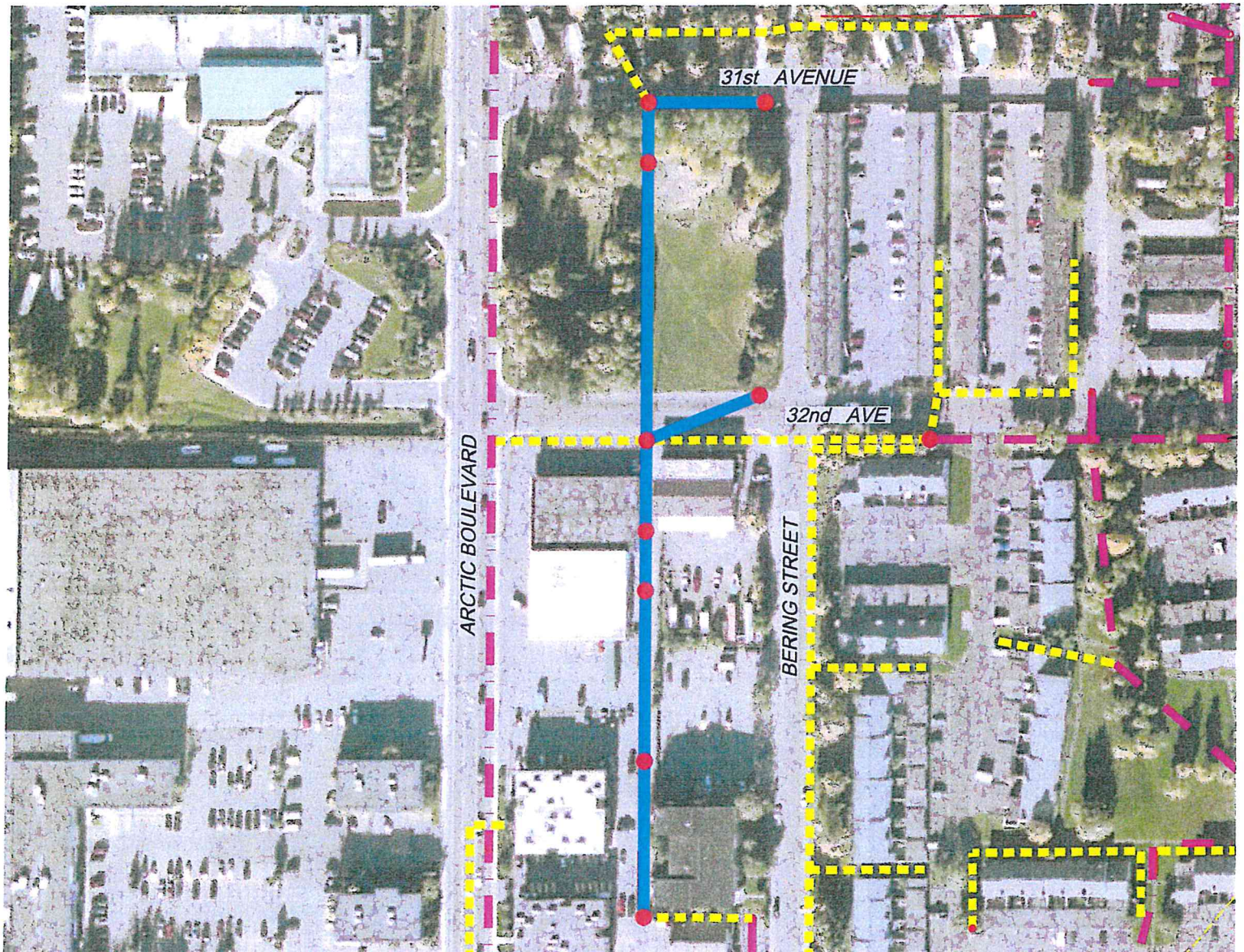
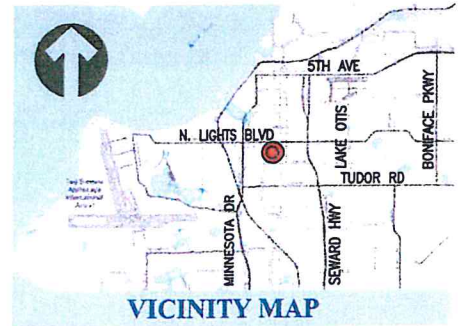
Arctic Benson Park

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

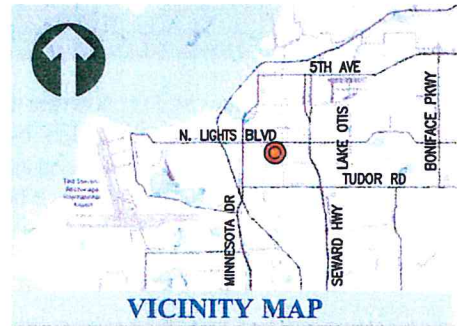
Arctic Benson Park

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

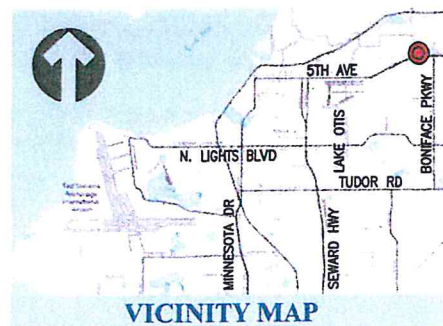
Mountain View Lions Park

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

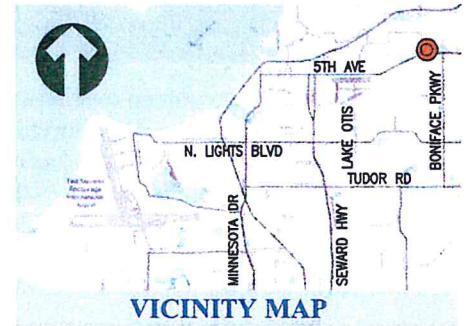
Mountain View Lions Park

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

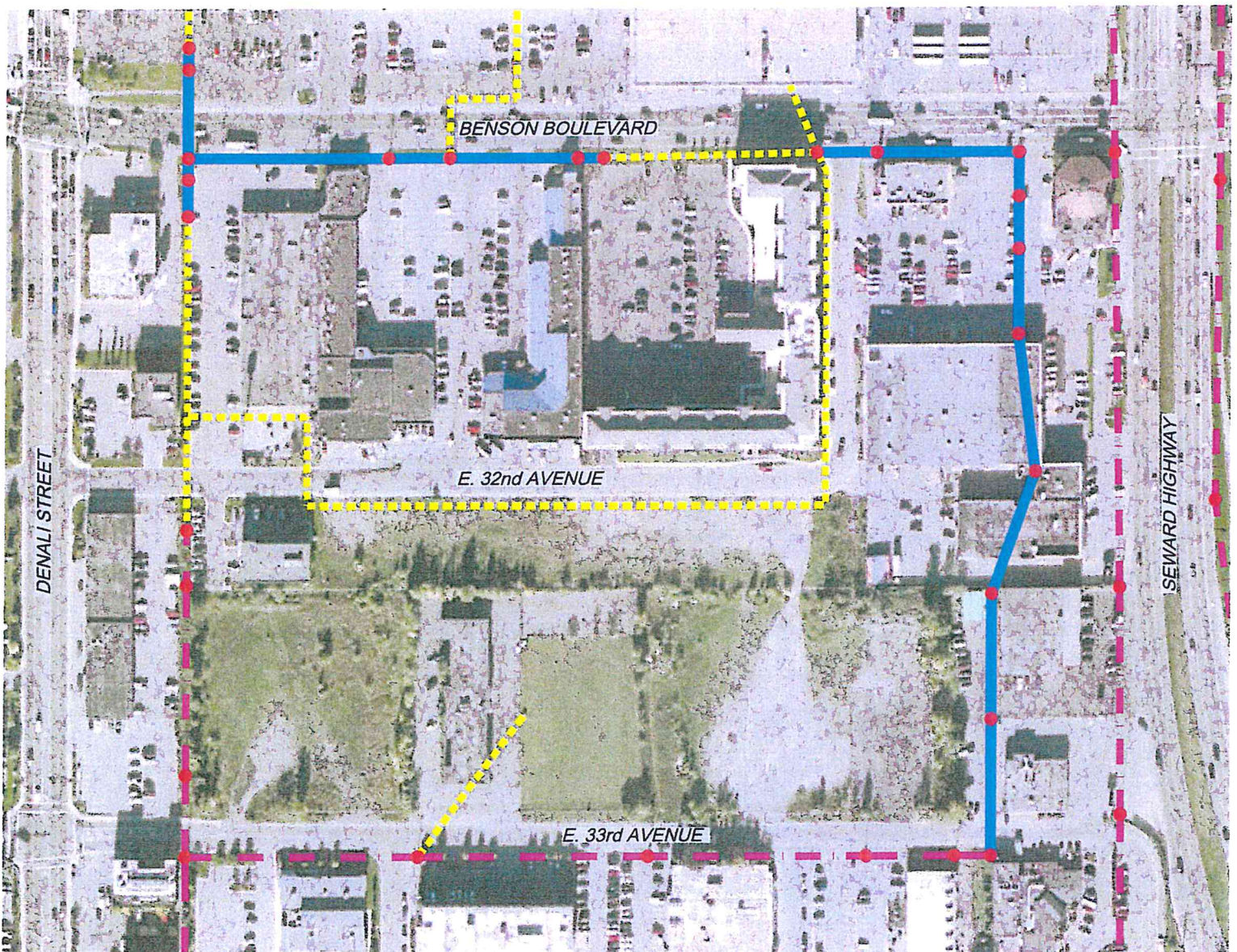
Benson: Denali Street to Seward Highway

Midtown Community Council



PROJECT DESCRIPTION

This project will underground overhead conductors along Benson Boulevard from Denali Street to the Seward Highway. From there the undergrounding will continue south to East 33rd Avenue. This project is a ML&P betterment to upgrade a low ampacity overhead line with a new higher ampacity underground line. Additional clearance conflicts will be resolved through this project. This project is in a target area described in the Title 21 Underground Ordinance because existing overhead lines in the area of Midtown and along Benson Boulevard will be removed.



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: 1631

TITLE 21 PROJECT

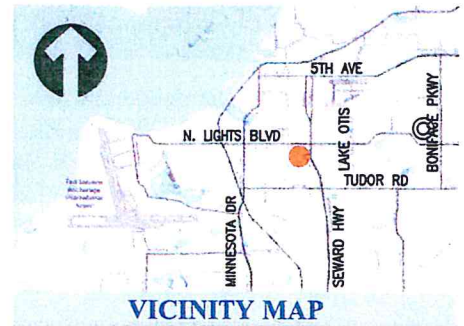
Benson: Denali Street to Seward Highway

Midtown Community Council



EXISTING PHOTO

Photo taken facing southwest just east of the Denali Street and Benson Boulevard intersection.



TITLE 21 PROJECT

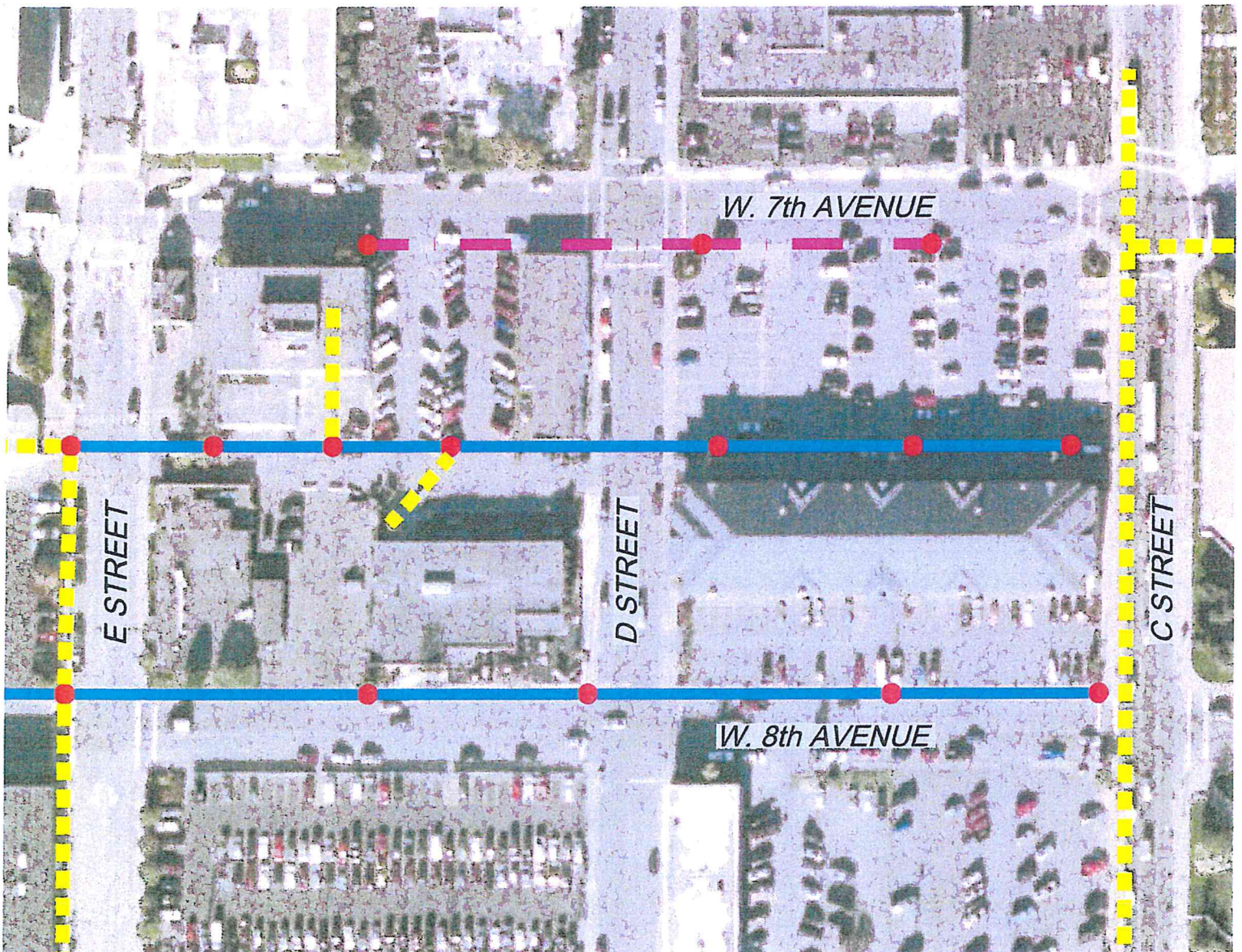
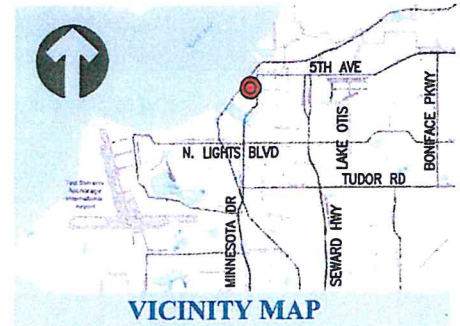
7th/8th Alley: E Street to C Street

Downtown Community Council: Original Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors along 8th Avenue and in the 7th/8th Avenue Alley between E Street and C Street. This project is in a Target Area described in the Title 21 Underground Ordinance because it is in the area described 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

Grid: 1328

TITLE 21 PROJECT

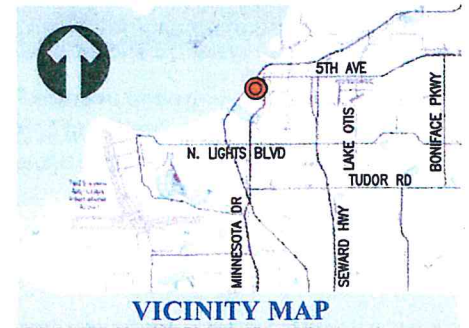
7th/8th Alley: E Street to C Street

Downtown Community Council: Original Subdivision



EXISTING PHOTO

Photo taken facing west down 8th Avenue near E Street.



TITLE 21 PROJECT

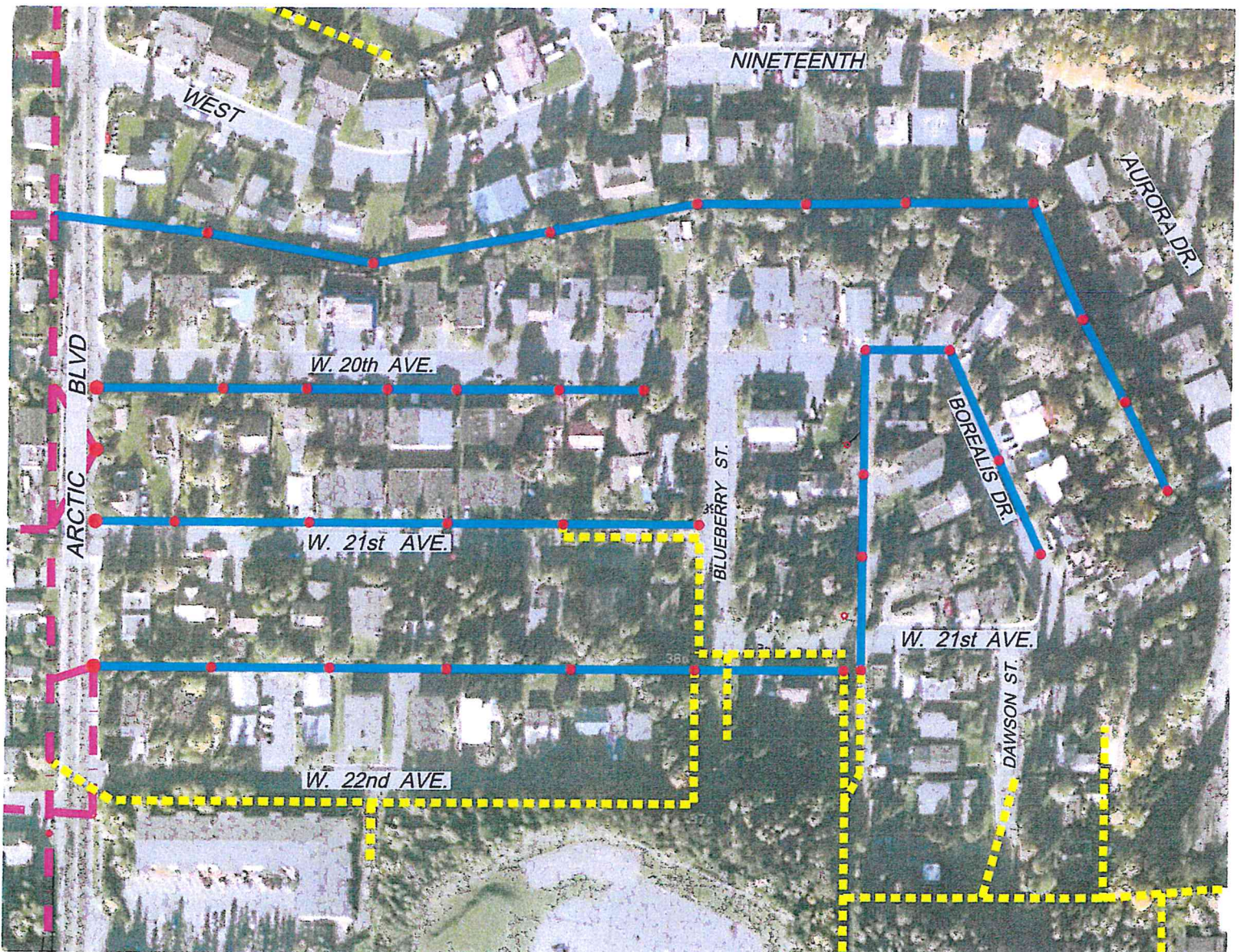
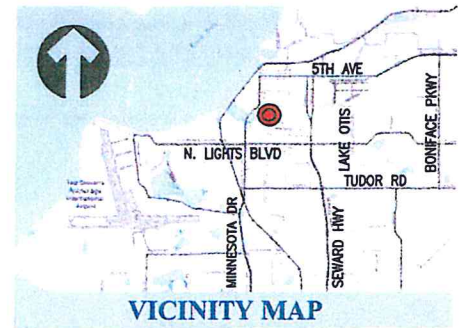
Arctic to Aurora

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

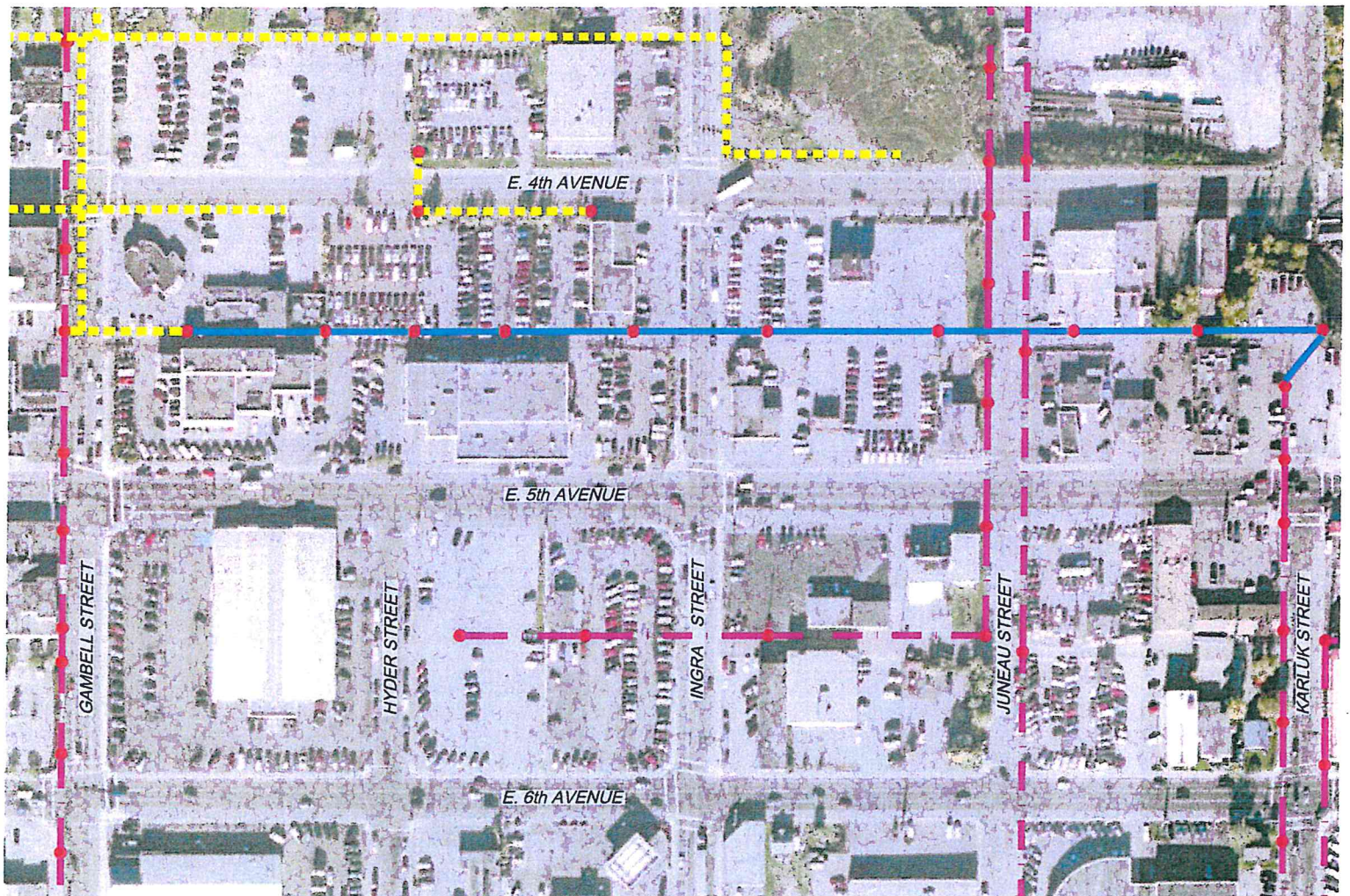
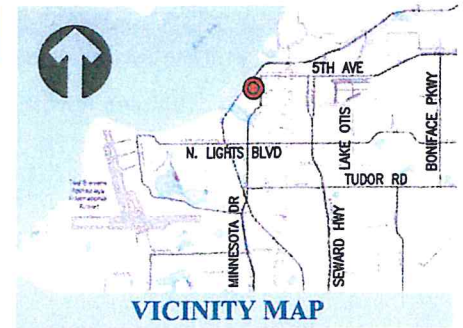
4th/5th Alley: Gambell St. to Karluk St.

Fairview Community Council: East Addition Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors in the 4th/5th Avenue Alley between Gambell Street and Karluk Street. This project is in a Target Area described in the Title 21 Underground Ordinance because it is in the area described 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

Grid: 1231 & 1232

TITLE 21 PROJECT

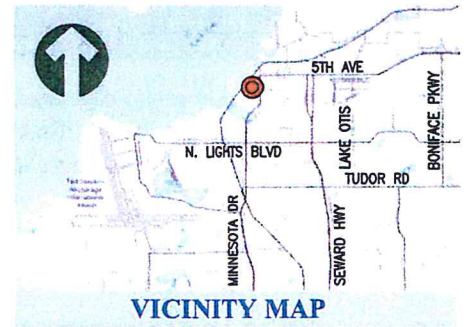
4th/5th Alley: Gambell St. to Karluk St.

Fairview Community Council: East Addition Subdivision



EXISTING PHOTO

Photo taken facing east down 4th/5th Avenue alley near Gambell Street.



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

Grid: 1231 & 1232

TITLE 21 PROJECT

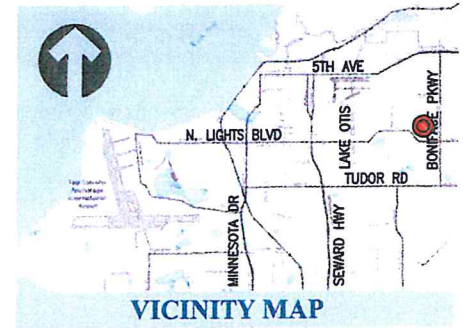
Glacier Street & 22nd Avenue

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

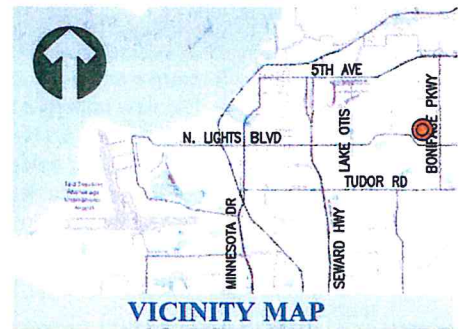
Glacier Street & 22nd Avenue

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

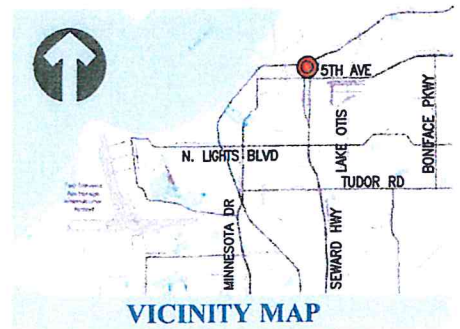
Gambell Street: 3rd Avenue to 15th Avenue

Downtown Community Council: Anchorage Townsite East Addition Subdivision

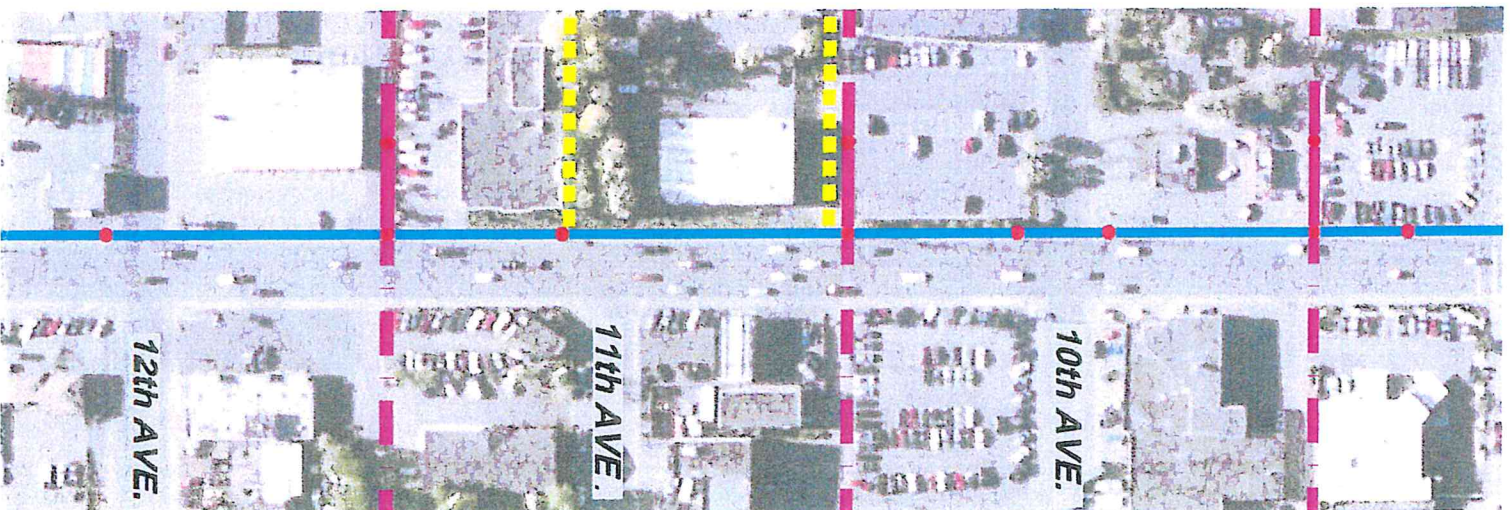
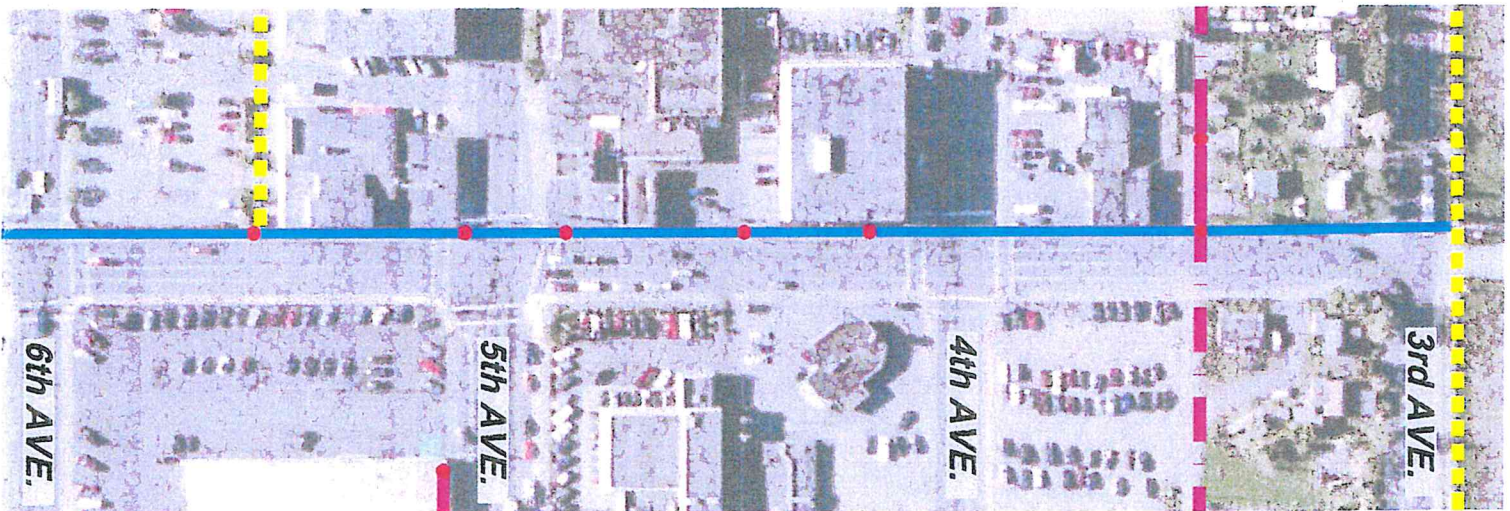


DESCRIPTION

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.



VICINITY MAP



Legend

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

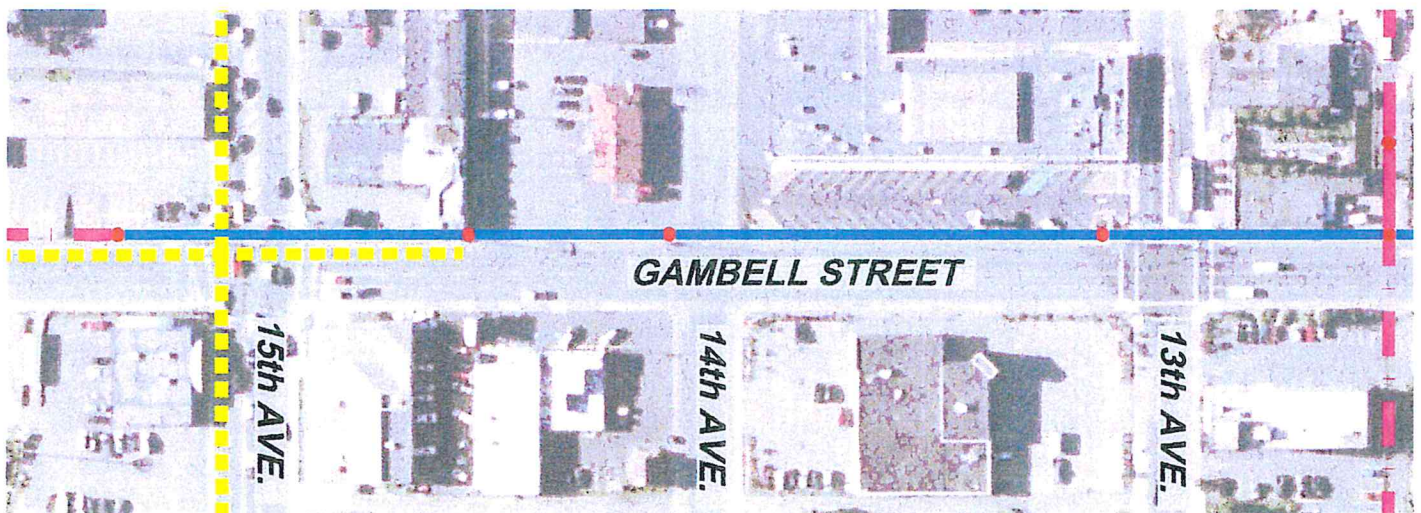
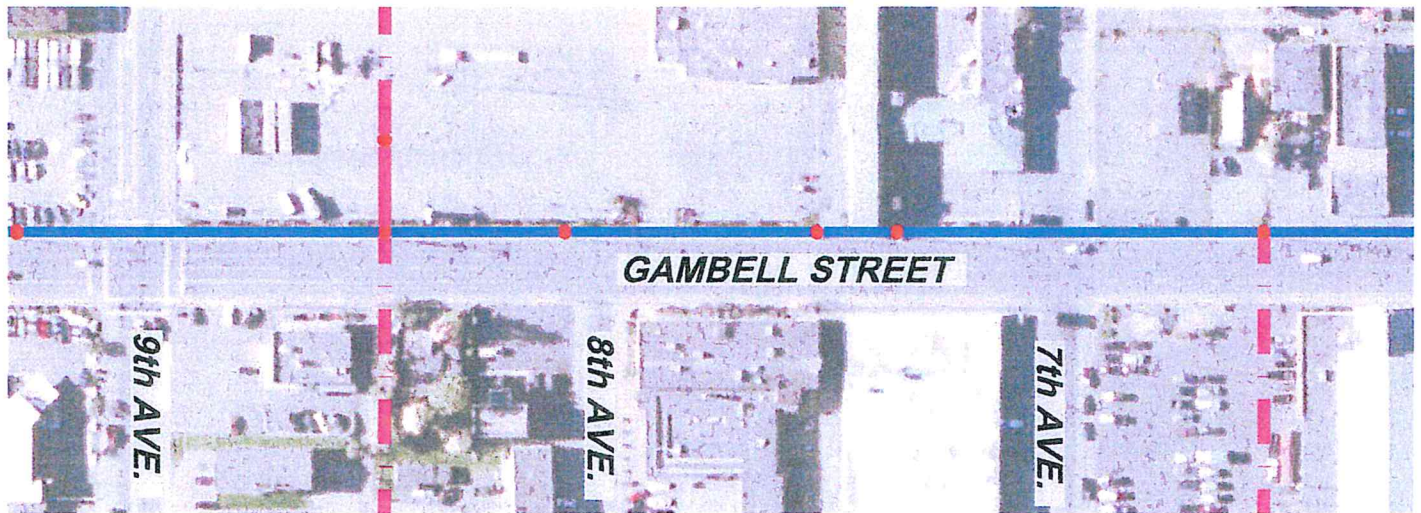


Not to Scale

Drawing for use by ML&P only.

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

Grid: 1231, 1331 & 1431



TITLE 21 PROJECT

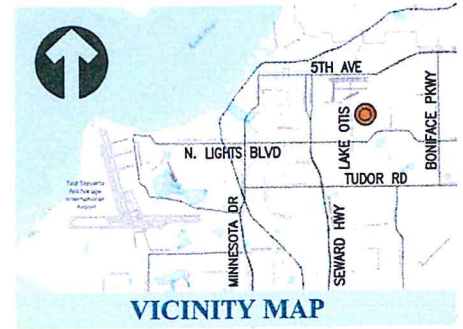
Gambell Street: 3rd Avenue to 15th Avenue

Downtown Community Council: Anchorage Townsite East Addition Subdivision



EXISTING PHOTO

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



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

Grid: 1231 & 1232

TITLE 21 PROJECT

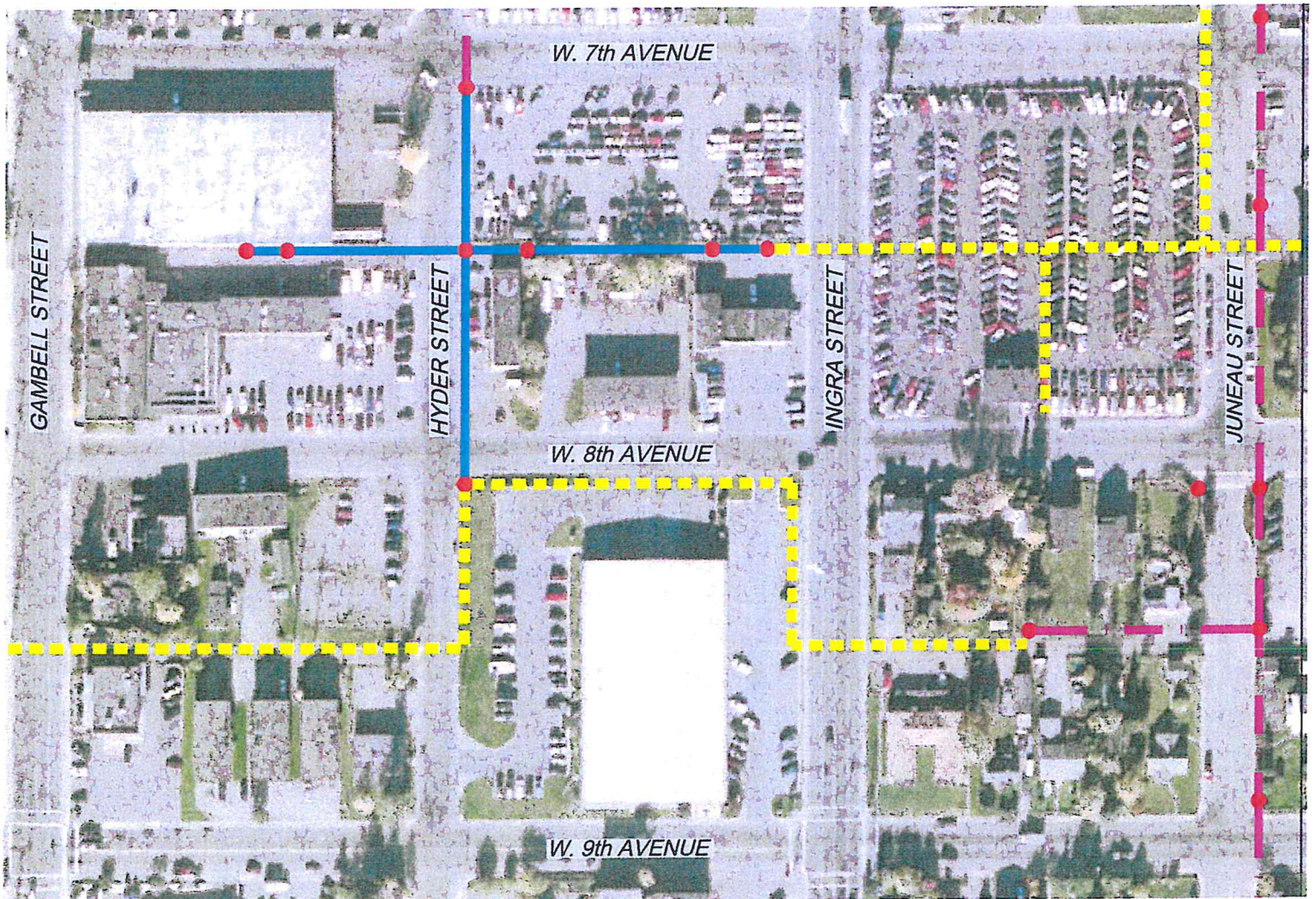
7th/8th Alley: Gambell St. to Ingra St.

Downtown Community Council: Original Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors in the 7th/8th Avenue Alley between Gambell Street and Ingra Street and underground overhead conductors along Hyder Street between 7th Avenue and 8th Avenue. This project is in a Target Area described in the Title 21 Underground Ordinance because it is in the area described 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

Grid: 1331 & 1332

TITLE 21 PROJECT

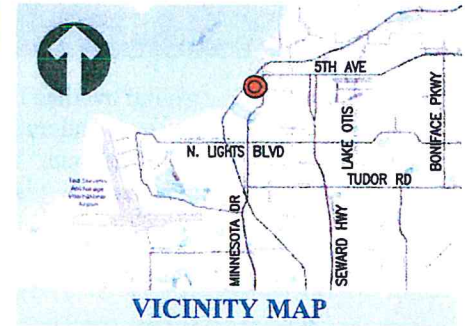
7th/8th Alley: Gambell St. to Ingra St.

Downtown Community Council: Original Subdivision



EXISTING PHOTO

Photo taken facing north down Hyder Street near 8th Avenue.



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

Grid: 1331 & 1332

TITLE 21 PROJECT

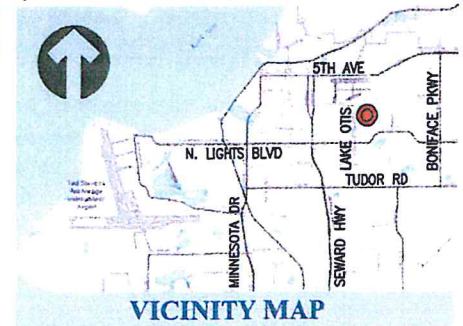
Logan Street: E. 17th Ave. to E. 20th Ave.

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 undergrounded. 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

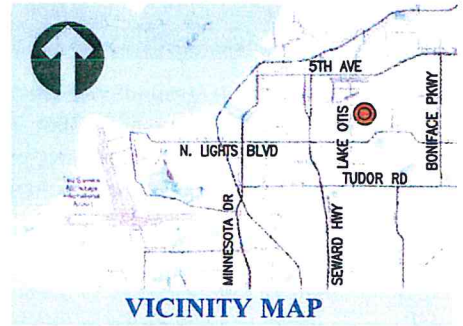
Logan Street: E. 17th Ave. to E. 20th Ave.

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

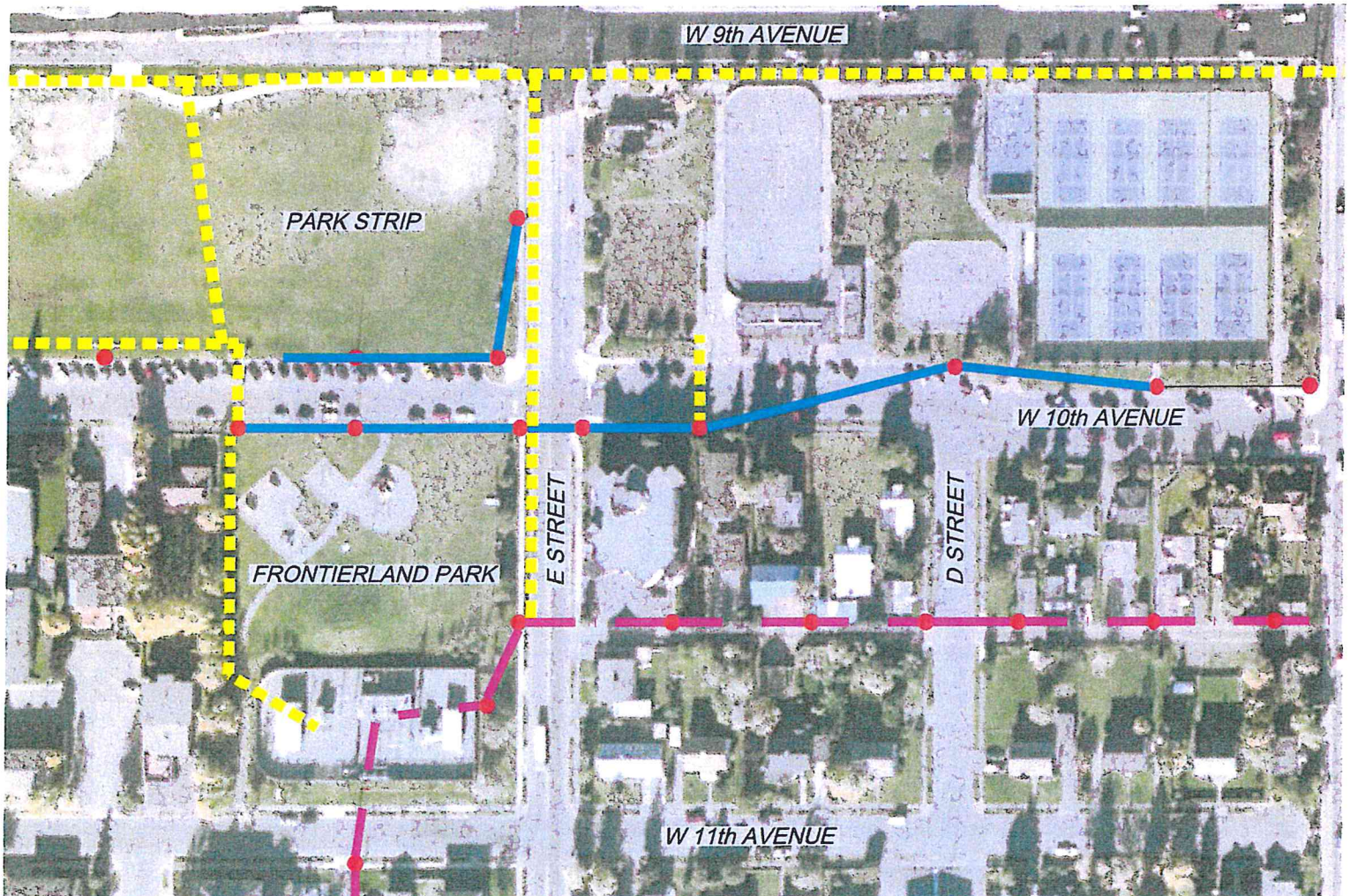
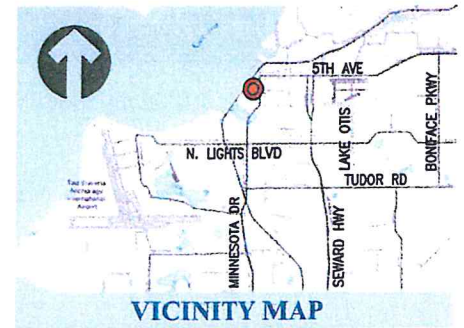
Frontierland Park: 10th & E Street

South Addition Community Council: South Addition Subdivision



PROJECT DESCRIPTION

This project will underground overhead conductors near the intersection of 10th Avenue and E Street. This project is in a Target Area described in the Title 21 Underground Ordinance because it is in the area described in the Central Business District and because of its proximity to two parks, Frontierland Park and The 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: 1231 & 1232

TITLE 21 PROJECT

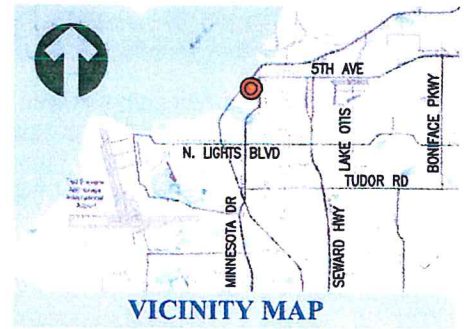
Frontierland Park: 10th & E Street

South Addition Community Council: South Addition Subdivision



EXISTING PHOTO

Photo taken facing east along 10th Avenue near E Street.



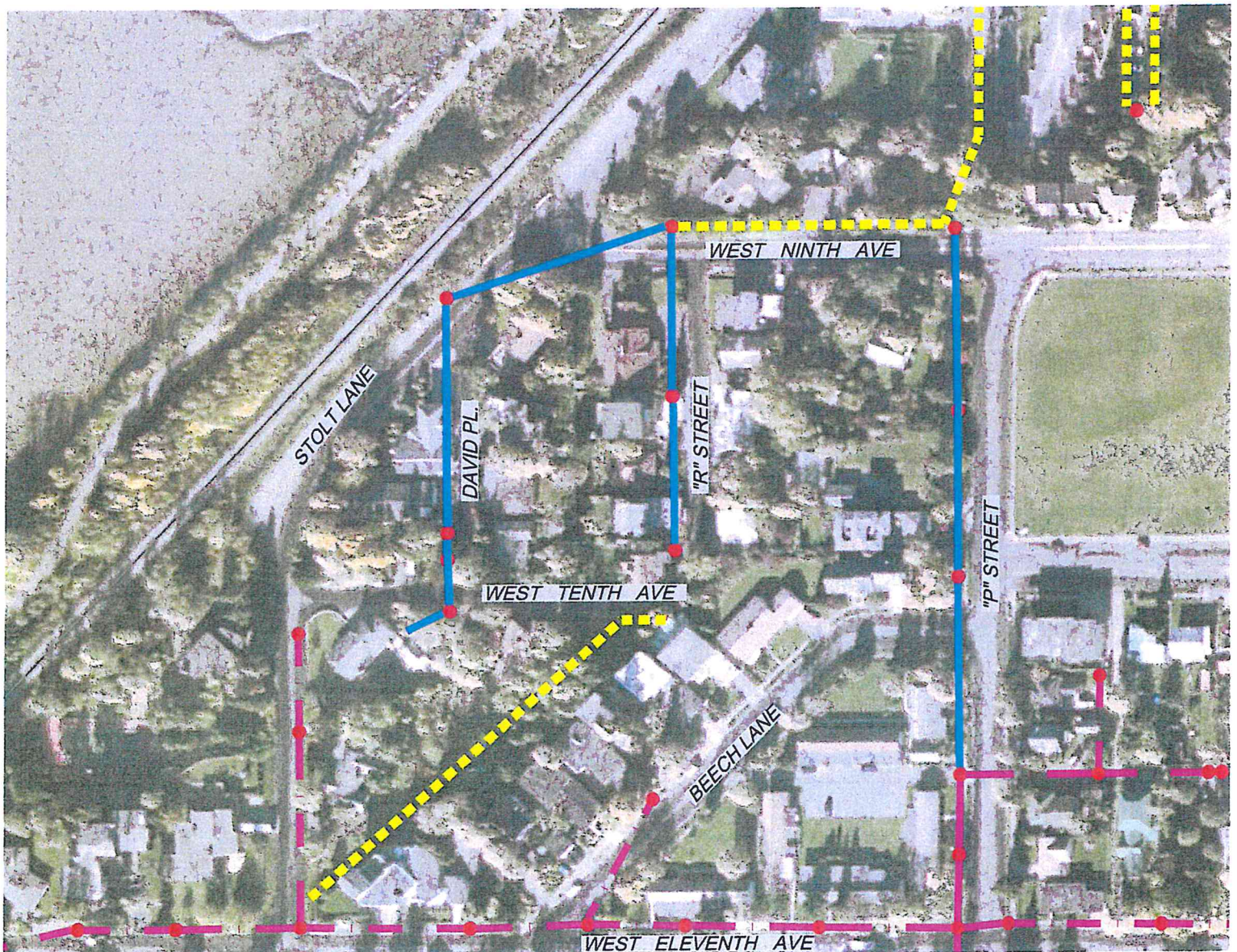
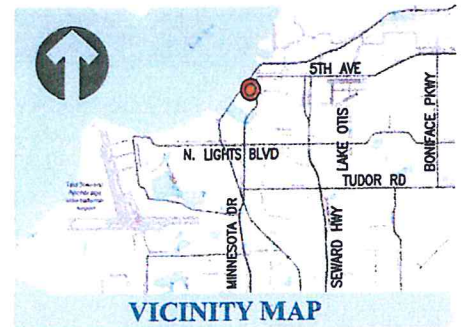
TITLE 21 PROJECT W. 9th Avenue & P Street

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

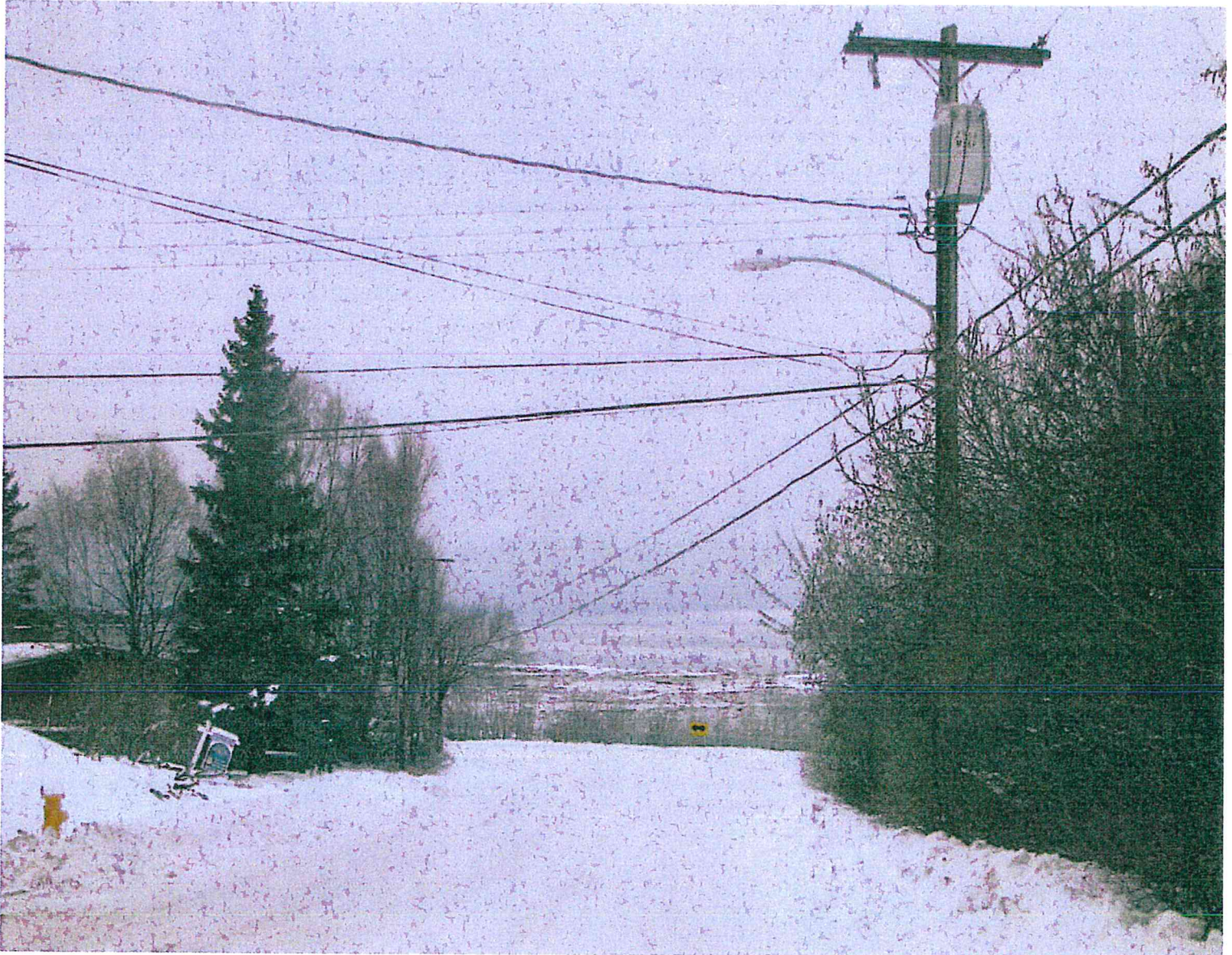
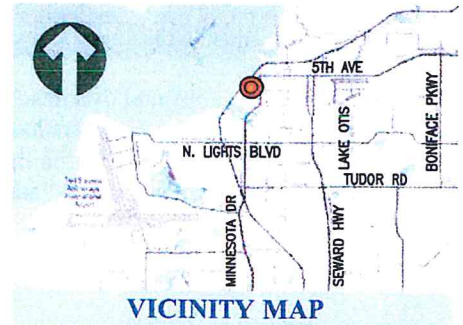
TITLE 21 PROJECT W. 9th Avenue & P Street

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

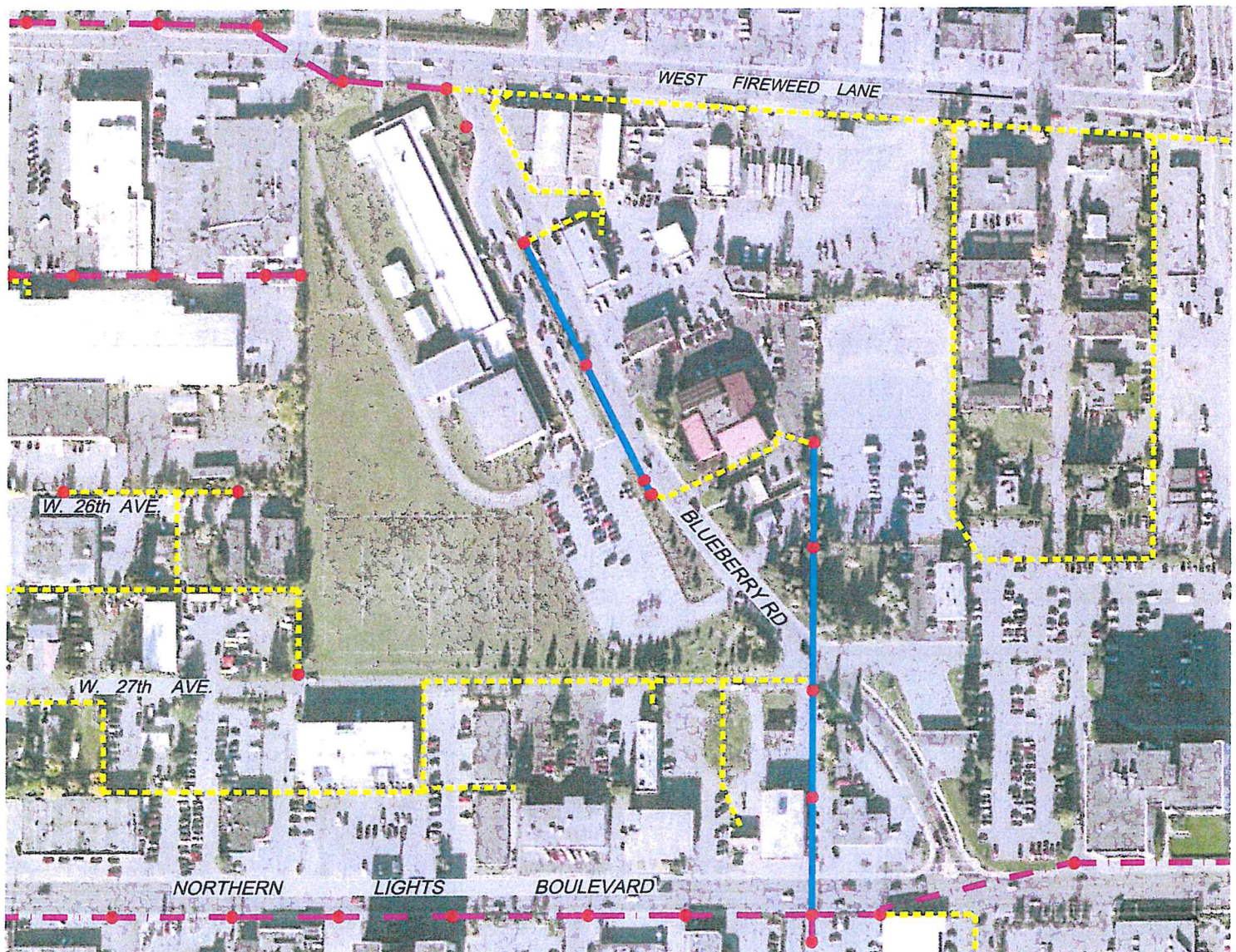
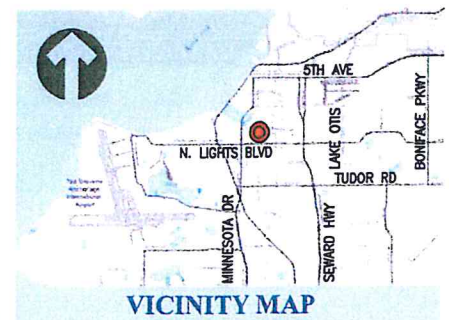
Blueberry Road

Midtown Community Council



PROJECT DESCRIPTION

This project will underground overhead powerlines along Blueberry Road between Fireweed Lane and Northern Lights Boulevard. This project is in the Target Area described in the Title 21 Underground Ordinance because it will remove overhead lines that are adjacent to a school, Steller Secondary School.



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 & 1530

TITLE 21 PROJECT

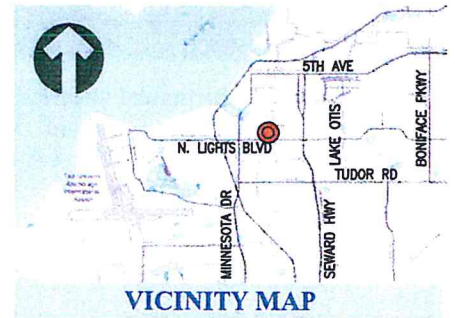
Blueberry Road

Midtown Community Council



EXISTING PHOTO

Photo taken facing northwest from near intersection at Blueberry Road and W 27th Avenue. Overhead lines shown run north/south along Blueberry Road adjacent to Steller Secondary School.



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

Grid: 1530

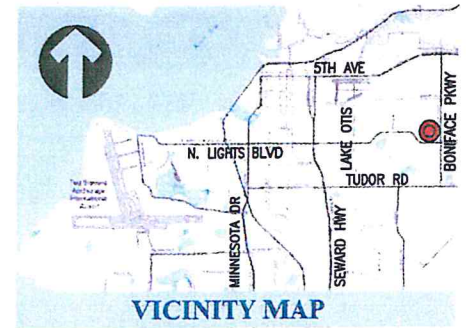
TITLE 21 PROJECT 24th Avenue & Glacier Street

Russian Jack Community Council

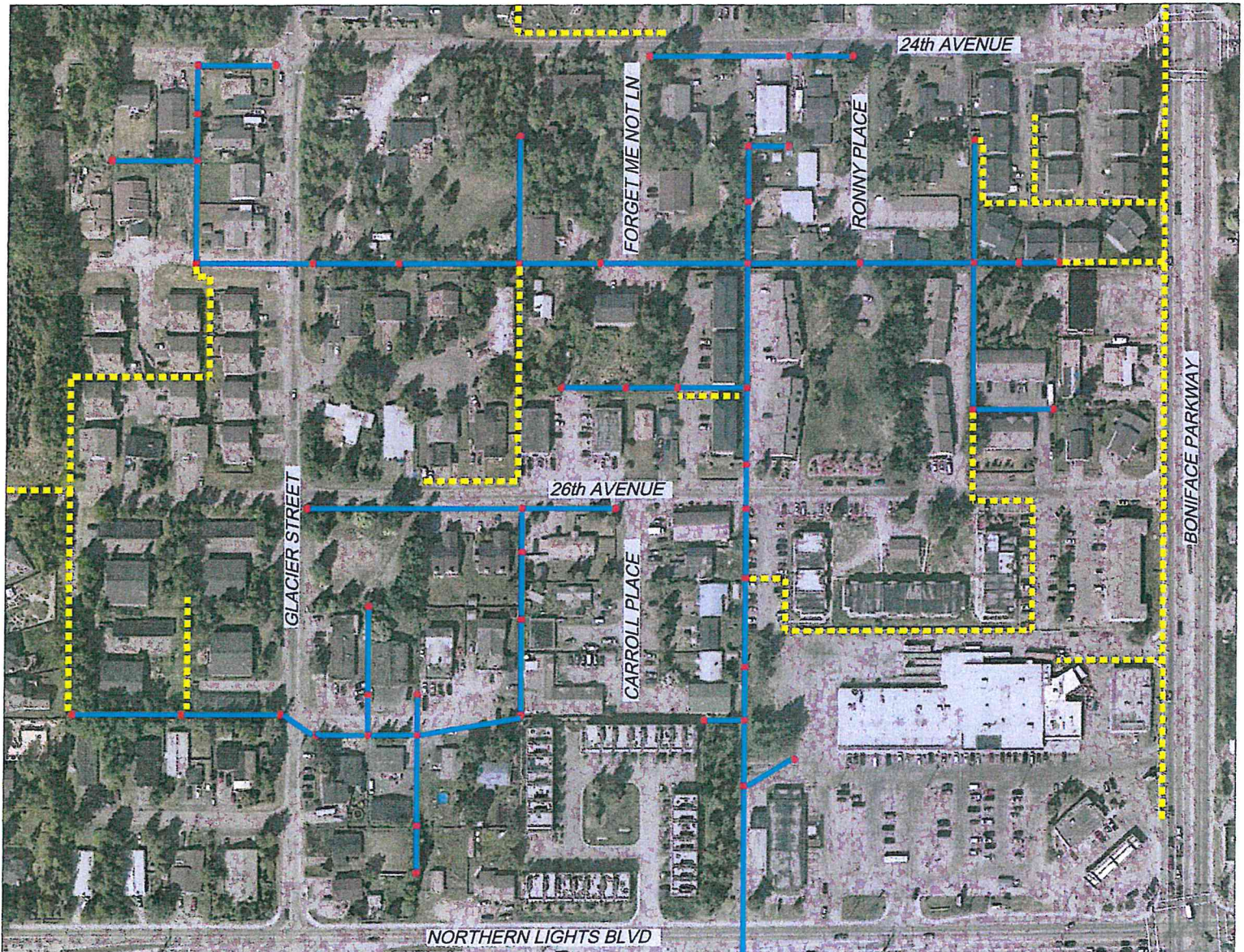


PROJECT DESCRIPTION






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.



VICINITY MAP



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

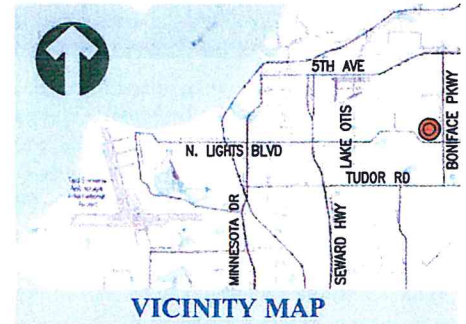
TITLE 21 PROJECT

24th Avenue & Glacier Street
Russian Jack Community Council



EXISTING PHOTO

Photo taken facing east down 26th Avenue.



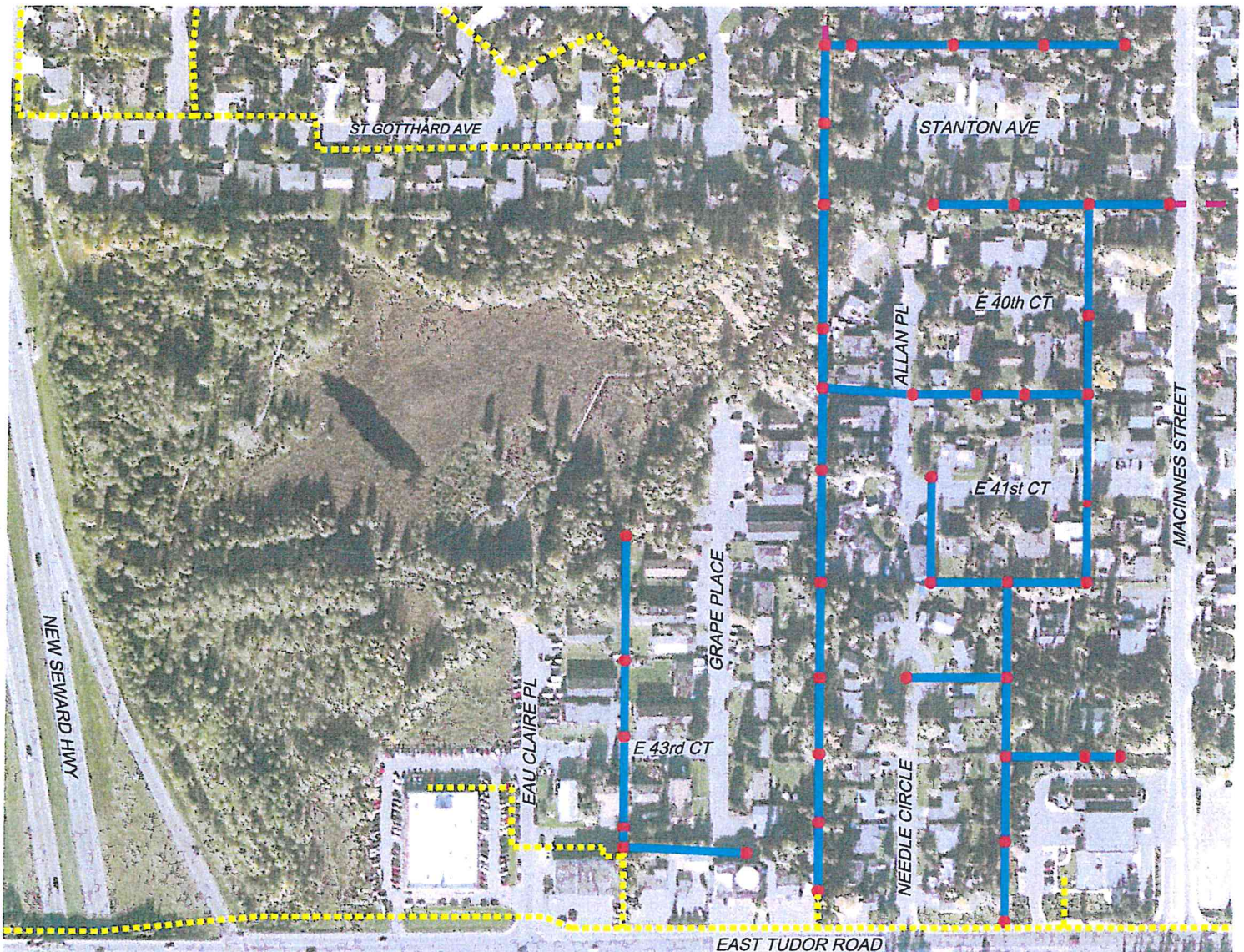
TITLE 21 PROJECT Needle Circle

Tudor Area Community Council



PROJECT DESCRIPTION

This project will underground overhead powerlines that have a high outage rate mostly due to falling trees and branches. Access to these overhead lines is currently very difficult because of the developed backyards and lots of trees.



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: 1732 & 1733

TITLE 21 PROJECT

Needle Circle

Tudor Area Community Council



EXISTING PHOTO

Photo was taken facing northwest from Fire Station parking lot. Overhead lines shown run north/south between Needle Circle and MacInnes Street.

