



AGENDA

**LINDSTROM
CITY COUNCIL
WORK SESSION**

TUESDAY, April 4, 2023

5:00 P.M.

**Lindstrom City Hall
13292 Sylvan Ave., Lindstrom, MN**

CALL TO ORDER/PLEDGE:

GENERAL BUSINESS ITEMS:

- 1. Pavement Management & Budgeting**
 - a. Engineer's Report (pg. 2)**
 - b. Presentation Slides (pgs. 3-17)**
- 2. Park Street Parking Lot**
 - a. Engineer's Report (pg. 18)**
 - b. Current Conceptual Plan (pgs. 19-20)**
 - c. 2017 Undergrounding Plan Snippet (pgs. 21-22)**
- 3. City Owned Properties (verbal & pg. 23)**

ADJOURNMENT:



MSA Engineer's Report

To: Honorable Mayor and City Council Members
Ms. Melissa Glenna, Interim City Administrator

From: Matt Fraley, Director of Public Works
Jon Herdegen, P.E. – City Engineer

Subject: Pavement Management & Budgeting

Date: March 31, 2023 – For the April 4th Council Work Session

The Public Works Department would like to engage the City Council on the pavement management and budgeting expectations. The discussion will include a variety of topics including:

1. Existing Pavement Conditions
2. Current Street Budget
3. Funding Options for Street Projects
4. Maintenance/Rehabilitation Schedule
5. Long Term Planning and Budgeting

Matt Fraley and Jon Herdegen will have additional information prepared to support the discussion. We look forward to the discussion and receiving your feedback.

PAVEMENT MANAGEMENT OVERVIEW & BUDGETING

COUNCIL WORK SESSION
CITY OF LINDSTROM

April 4, 2023



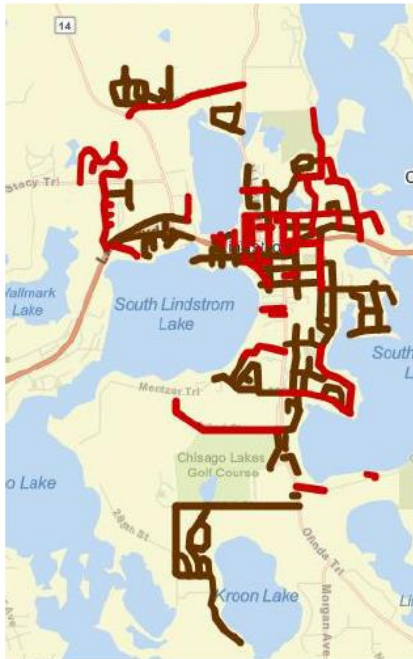
Presentation Outline

- Existing Pavement Conditions
- Current Budget
- Funding Options
- Maintenance & Rehabilitation Schedule
- Long Term Planning & Budgeting

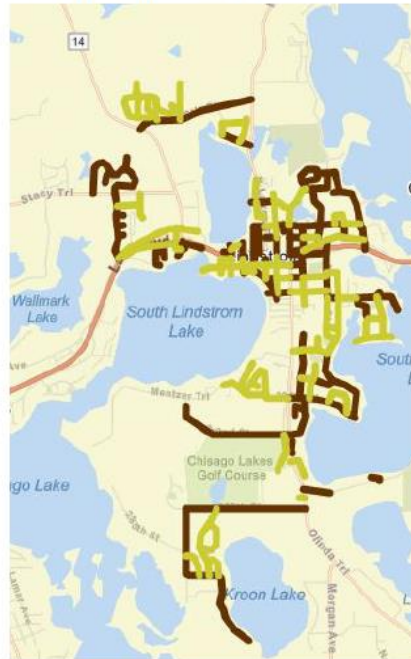
EXISTING PAVEMENT CONDITIONS

OVERALL DISTRIBUTION OF PAVEMENT CONDITIONS

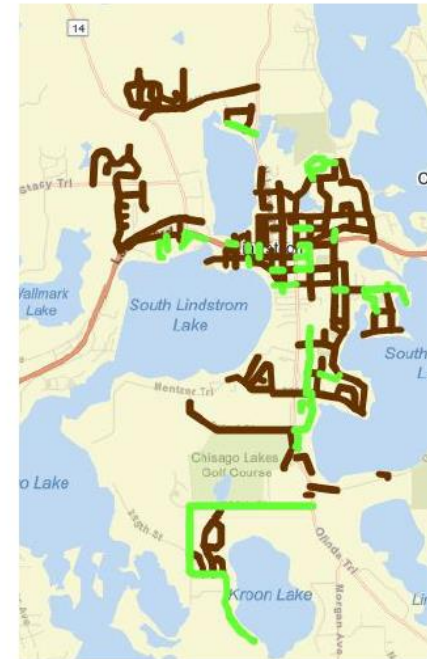
Reconstruction – OCI less than 30



Rehabilitation – OCI between 30-60



Maintenance – OCI greater than 60

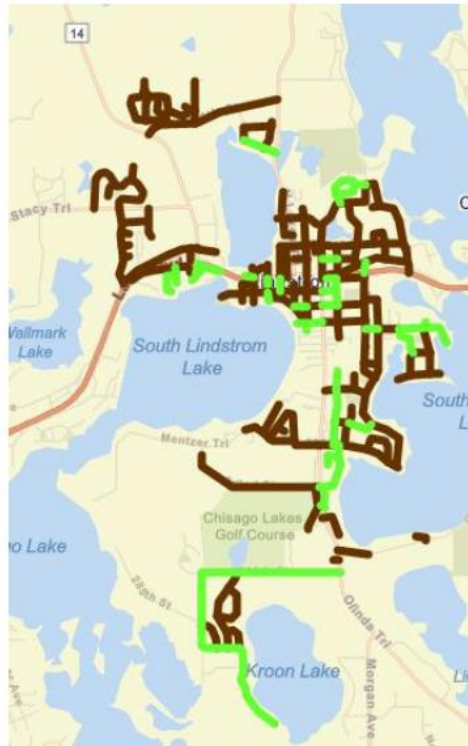


The **Overall Condition Index (OCI)** is a number between 100 and 0 which represents the condition of an asset, 100 being the best and 0 being the worst. The minimum condition is used to calculate the asset's failure point.



EXISTING PAVEMENT CONDITIONS

GROUP A: MAINTENANCE (OCI > 60)
6.12 MILES | 22.5% OF CITY'S NETWORK



Broadway/Newell – OCI 100

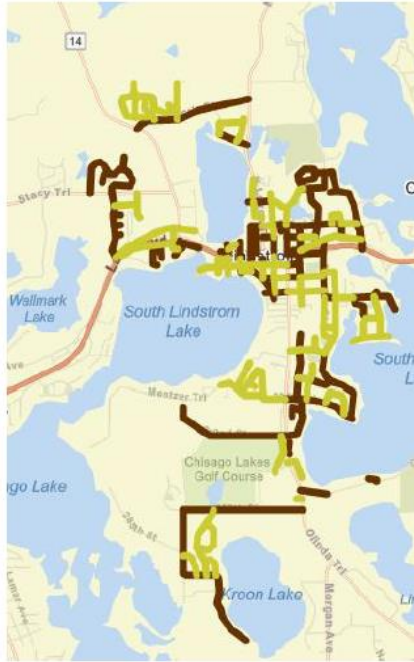


Cedar Ridge – OCI 900



EXISTING PAVEMENT CONDITIONS

GROUP B: REHABILITATION (30 < OCI < 60)
12.41 MILES | 45.7% OF CITY'S NETWORK



Sylvan Ave – OCI 50



295th St – OCI 49




EXISTING PAVEMENT CONDITIONS

GROUP C: RECONSTRUCTION (OCI < 30) – RECLAMATION, RECONSTRUCTION
8.63 MILES | 31.8% OF CITY'S NETWORK



Irene Ave – OCI 30



North Olinda Trl – OCI 10 



CURRENT BUDGET

TOTAL STREET IMPROVEMENT BUDGET - \$450,000

- Maintenance: Chip Seals, Fog Seals, Route & Seals
- Rehabilitation: Micro-Surface, Friction Seals & Mill/Overlay
- Reconstruction: Reclamation & Reconstruction



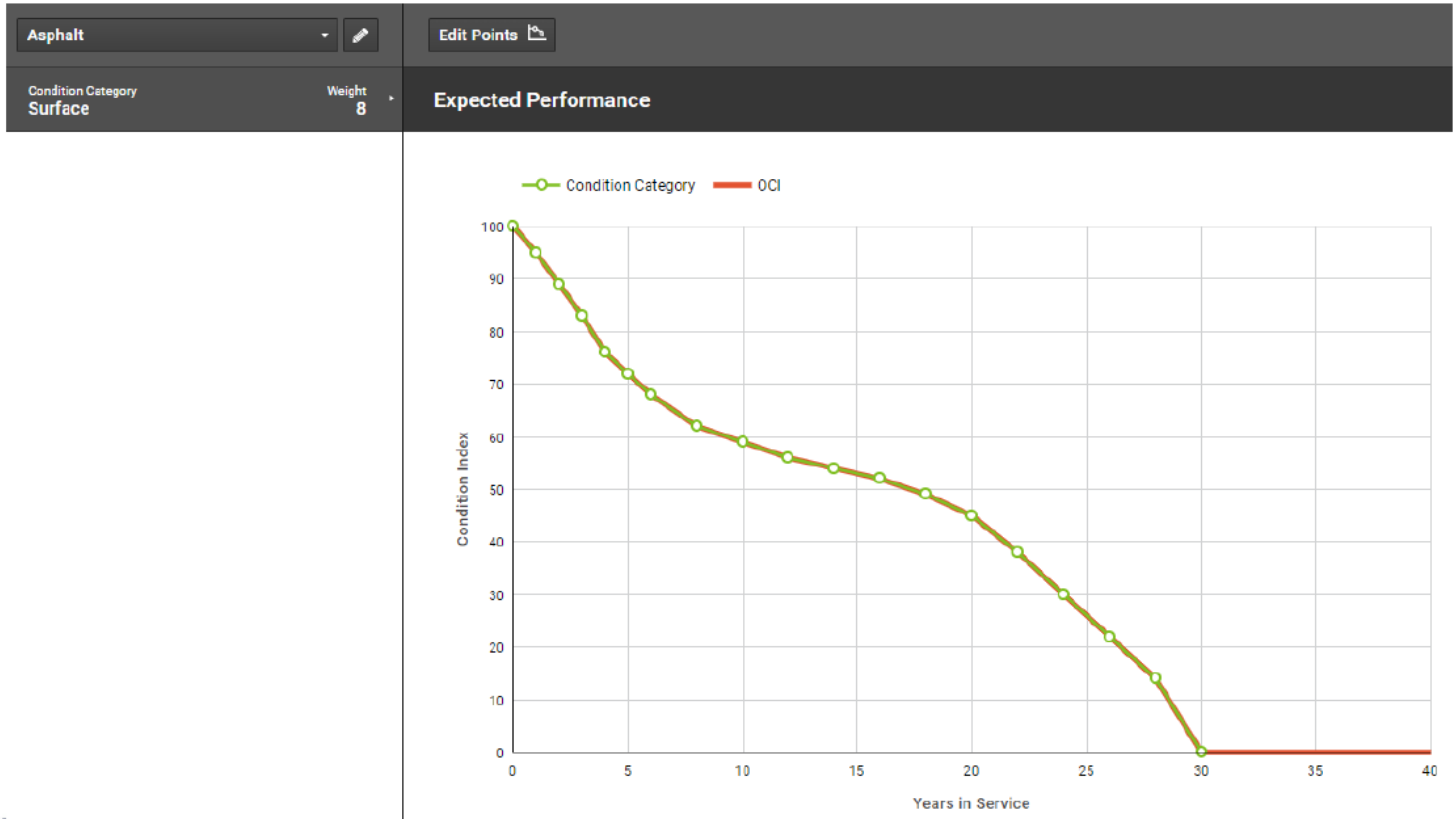
FUNDING OPTIONS

FUNDING OPTIONS FOR STREET IMPROVEMENTS

- General Levy
- Assessments
- Bonding
- WAC/SAC (When Available/When Utilities Are Involved)
- State Aid (Highway User Tax Distribution)

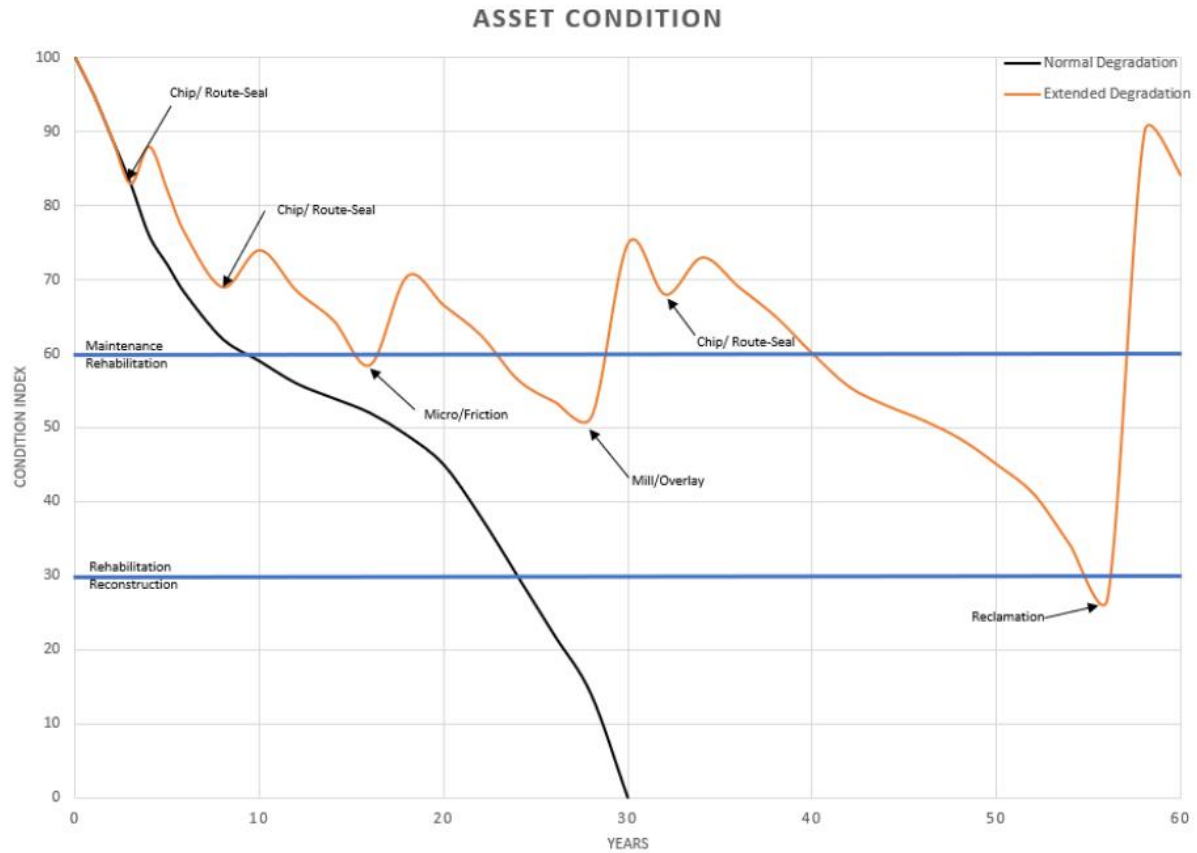
MAINTENANCE AND REHABILITATION SCHEDULE

PAVEMENT DEGRADATION



MAINTENANCE AND REHABILITATION SCHEDULE

PAVEMENT DEGRADATION



MAINTENANCE AND REHABILITATION SCHEDULE

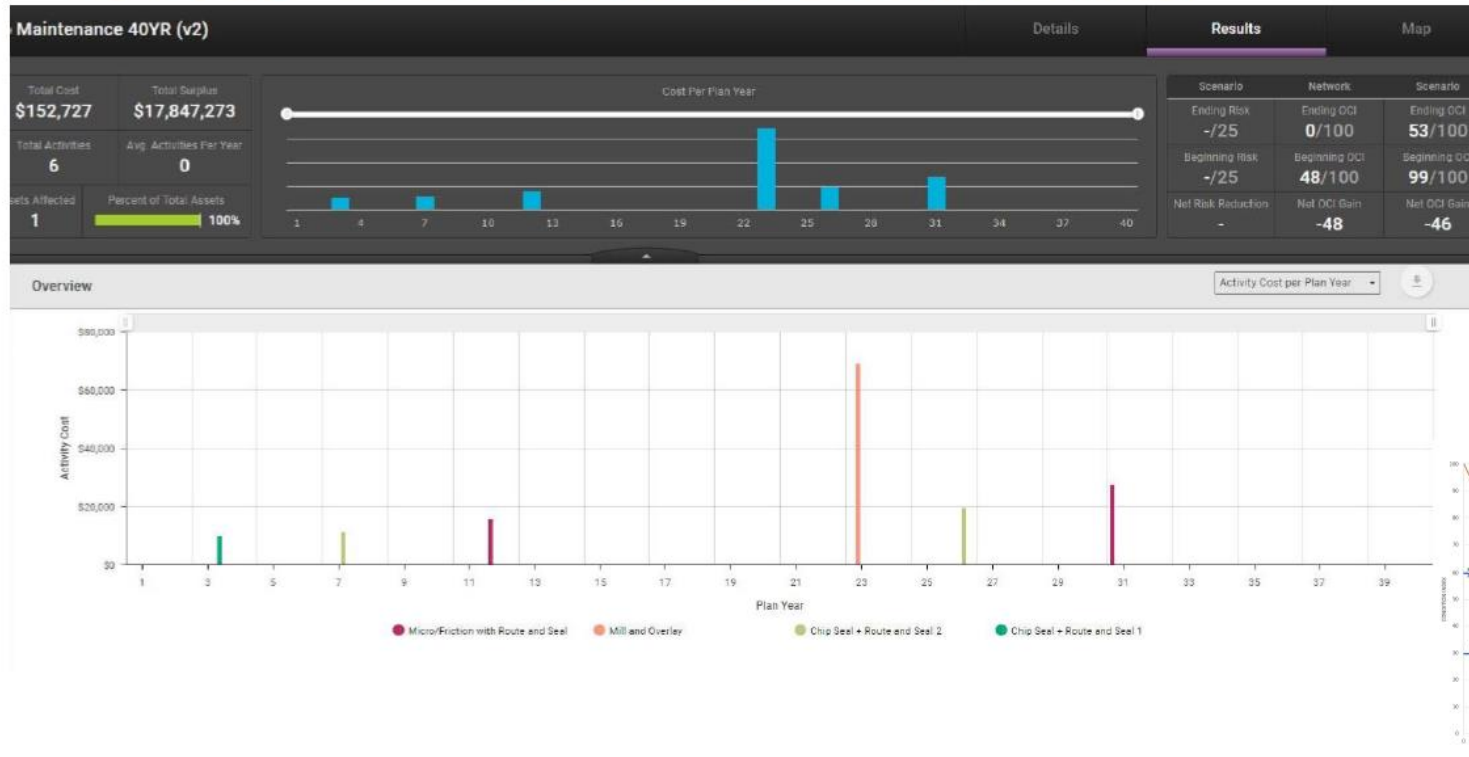
TEST CASE – 1,000 FT NEW ROAD SEGEMENT

Beginning Scenario	1,000 Feet of New Road (100 OCI)		1,000 Feet of New Road (100 OCI)	
Interval	40 YR	60 YR	40 YR	60 YR
Activities	No maintenance; Reconstruction @ 40 Year		Preventative Maintenance & Rehab Activities	
Road OCI at End	100	15	53	67
Average Level of Service (OCI)	55	46	65	64
Total Budget (\$)	\$1,445,000	\$1,445,000	\$153,000	\$782,000
Inflation Rate (%)	3%	3%	3%	3%



MAINTENANCE AND REHABILITATION SCHEDULE

TEST CASE – 1,000 FT NEW ROAD SEGEMENT (40 YEARS)



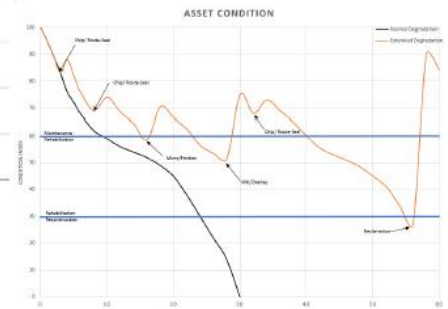
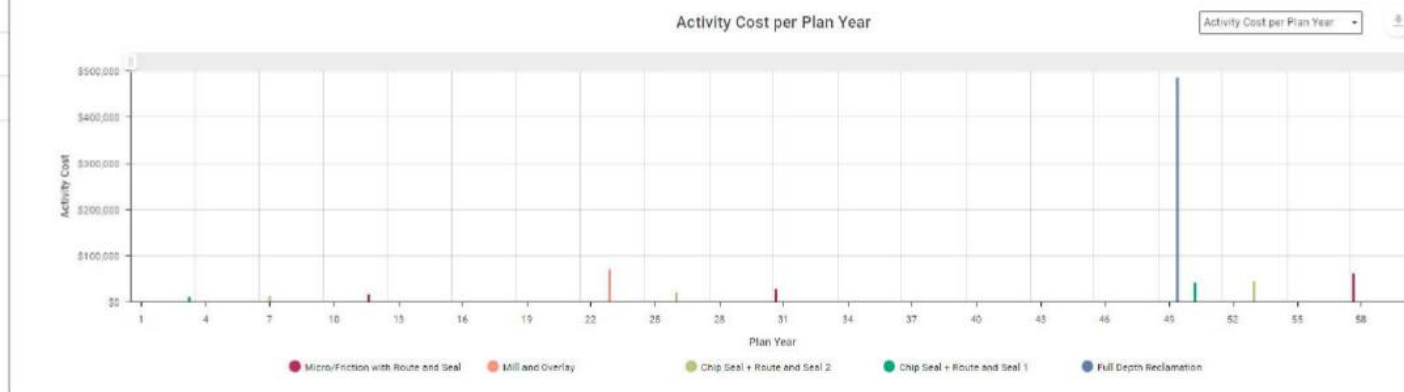
MAINTENANCE AND REHABILITATION SCHEDULE

TEST CASE – 1,000 FT NEW ROAD SEGEMENT (60 YEARS)

5b Maintenance 60YR Details **Results** Map

Total Cost \$781,659	Total Surplus \$26,218,341		Scenario	Network	Scenario
Total Activities 10	Avg. Activities Per Year 0		Ending Risk -/25	Ending DCI 0/100	Ending DCI 67/100
Assets Affected 1	Percent of Total Assets 100%		Beginning Risk -/25	Beginning DCI 48/100	Beginning DCI 99/100
			Net Risk Reduction -	Net DCI Gain -48	Net DCI Gain -32

Overview



OCI ANALYSIS – CURRENT ROAD NETWORK


Scenario Description	Future Network OCI Prediction (40 Yrs) with Current Budget Amounts	Future Network OCI Prediction (40 Yrs) with Current Budgets + 5% Annual Escalation*
Current Road Network OCI (0-100)	47.7	47.7
Future Network OCI in 40 Years	20	44
% of Assets Improved	50% (101 Segments)	62% (125 Segments)
Inflation Rate (%)	3%	3%

* Beginning budget = \$450,000 | Ending Budget = \$3,000,000

OCI ANALYSIS – CURRENT ROAD NETWORK

Scenario Description	Scenario Results by Various Annual Budget Levels @ 40 yr			
Current Road Network OCI (0-100)	48			
Network OCI @ 40 yr	32	40	49	53
Budget Required – Avg. Annual	\$1,000,000	\$1,500,000	\$2,000,000	\$2,500,000
% of Assets Improved	70%	91%	97%	100%
Inflation Rate (%)	3%	3%	3%	3%





MSA Engineer's Report

To: Honorable Mayor and City Council Members
Ms. Melissa Glenna, Interim City Administrator

From: Matt Fraley, Director of Public Works
Jon Herdegen, P.E. – City Engineer

Subject: Park Street Parking Lot

Date: March 31, 2023 – For the April 4th Council Work Session

At the March 22nd Work Session, Staff presented a current conceptual drawing (see attached) for the proposed improvements to Park Street Parking Lot. Improvements include:

- Burying overhead electric and converting electrical connections at each property (10).
- Extending storm sewer collection from 1st Avenue.
- Connecting gutter downspouts directly to existing/proposed storm sewer.
- Adding bump outs for traffic calming and pedestrian routing.
- Relocating the 1st Avenue entrance east toward the bakery.
- Paving the east portion of the parking lot (currently gravel).

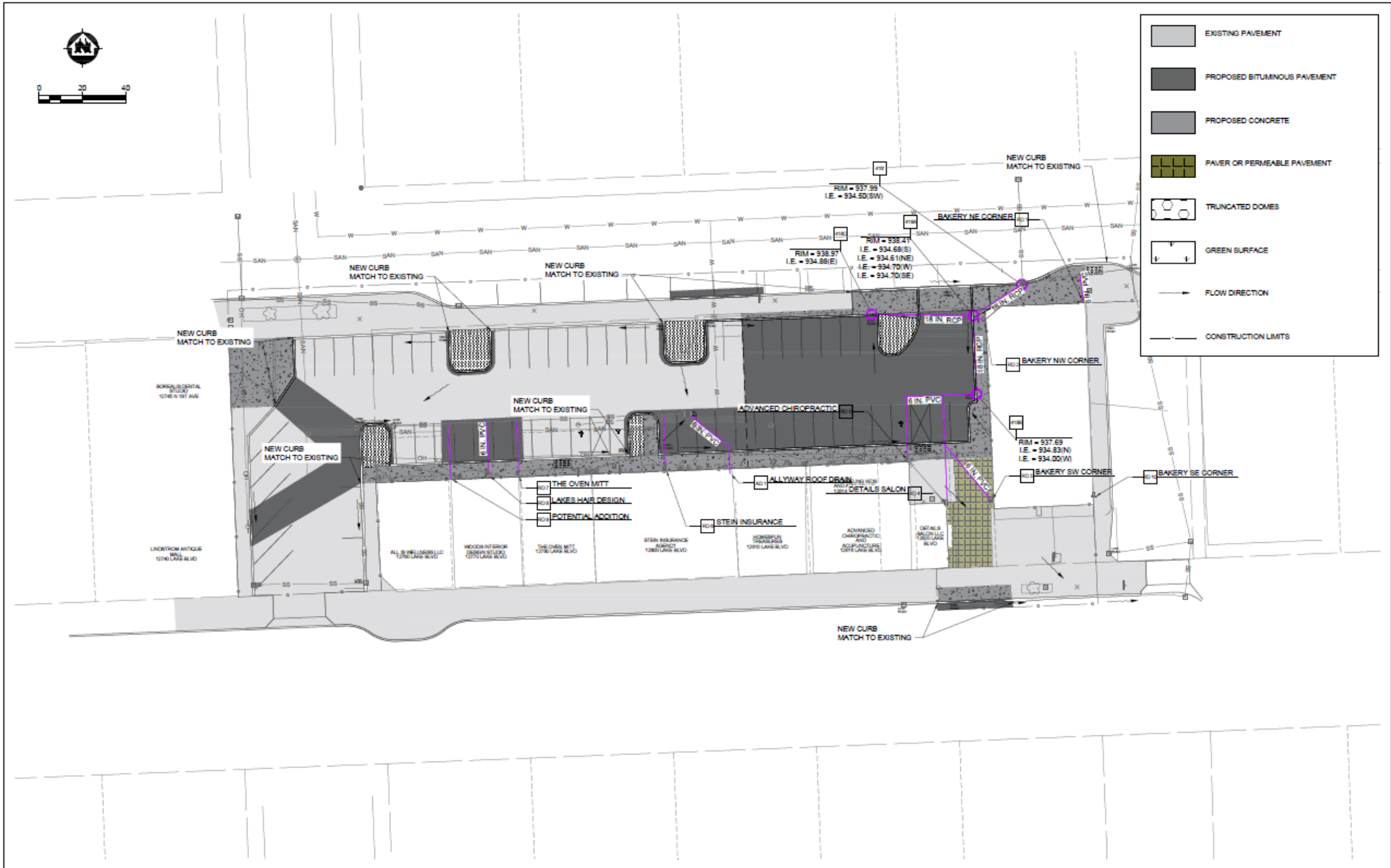
The total project cost of the of the improvements is estimated at \$635,000 and there is currently up to \$677,000 budgeted for the project (Xcel Settlement = \$260,000, ARPA = \$117,000 and Bond Proceeds = \$300,000 pending Council discretion).

The Council indicated that there may be renewed interest in burying overhead utilities along the south side of 1st Avenue between the Park Street Parking Lot and Virga Chiropractic. MSA prepared draft construction plans for this work in 2017 (~75% complete; see attached snippet). Public Works Staff also is considering sidewalk improvements along that corridor to promote more effective surface drainage. The two projects seem to align well, and staff is looking for Council direction for the following items:

- Feedback pertaining to the proposed improvements. Are the proposed improvements in line with Council vision/priorities?
- If the additional scope is added to the parking lot improvements, how does the Council wish to fund the increased project costs?
- What is the most effective approach to engage project stakeholders?
 - Conduct a single neighborhood meeting with all adjacent property owners (18)?
 - Conduct a series of engagement sessions with single or small groups of property owners with similar interests?
 - Conduct one-on-one meetings?
 - What is the appropriate combination of Council/Staff to engage stakeholders?
 - What, if any, additional information is needed before engagement meeting are held?

Attachments:

Park Street Parking Lot (Current Conceptual Plan), 2017 Utility Underground Plan Snippet



PROJECT DATE: _____		NO. _____	DATE: _____	BY: _____	APPROVED BY: _____	DATE: _____	PROJECT NO. _____	PROJECT NAME: _____	PROJECT LOCATION: _____	PROJECT SHEET: _____
DRAWN BY: SJA		CHECKED BY: JEM		APPROVED BY: LAC		DATE: _____		PROJECT NO. _____		PROJECT SHEET: _____
PROJECT DATE: 1/27/2022 3:37 AM		DRAWING NUMBER: 2022-03-001		DRAWING TITLE: PARKING STREET PARKING LOT		DRAWING SCALE: AS SHOWN		DRAWING SHEET: 1		DRAWING DATE: 1/27/2022

PRELIMINARY

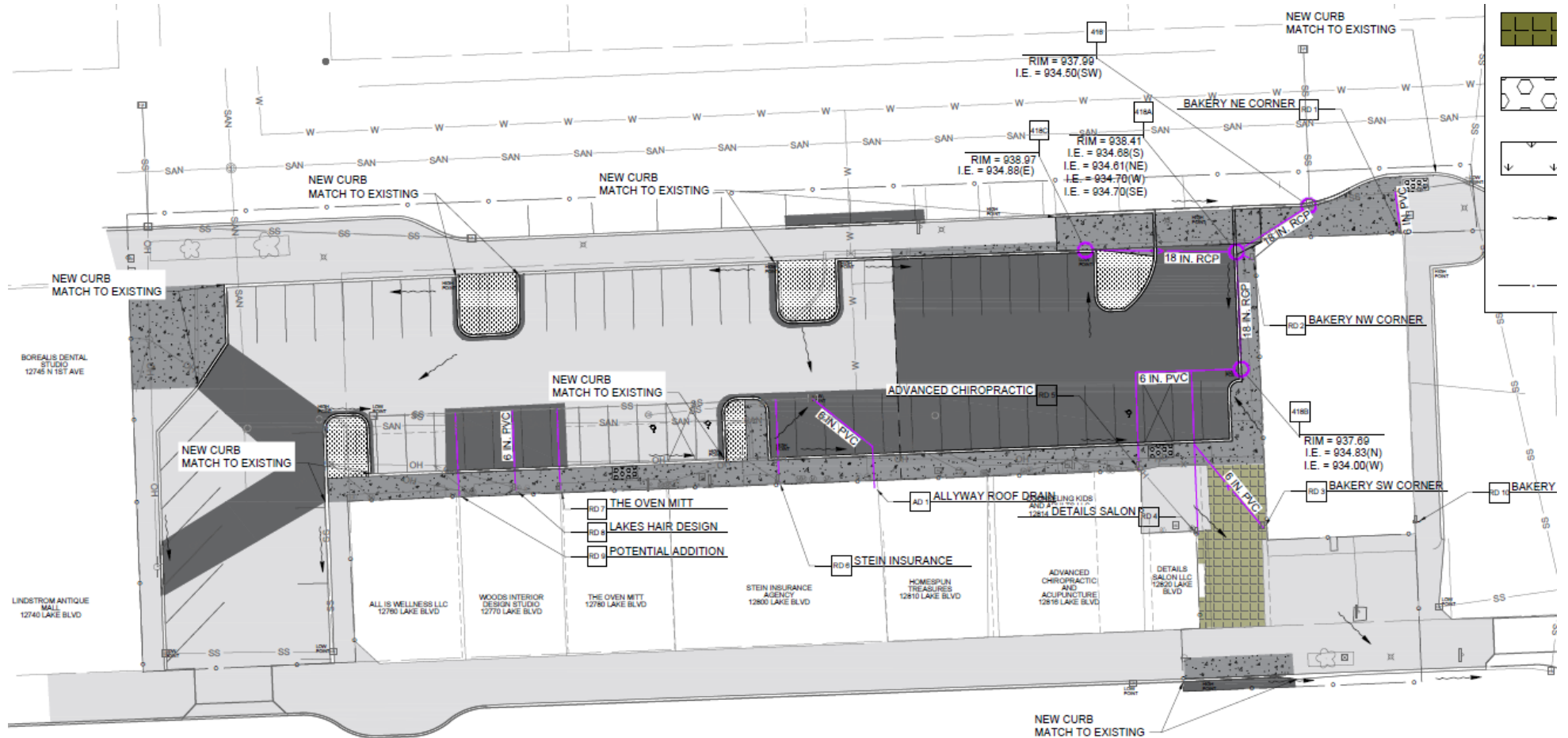
FOR THE CITY OF LINDSTROM, MINNESOTA
 ENGINEER: JONATHAN J. JOHNSON
 LICENSE NO. 40000
 DATE: MARCH 24, 2022

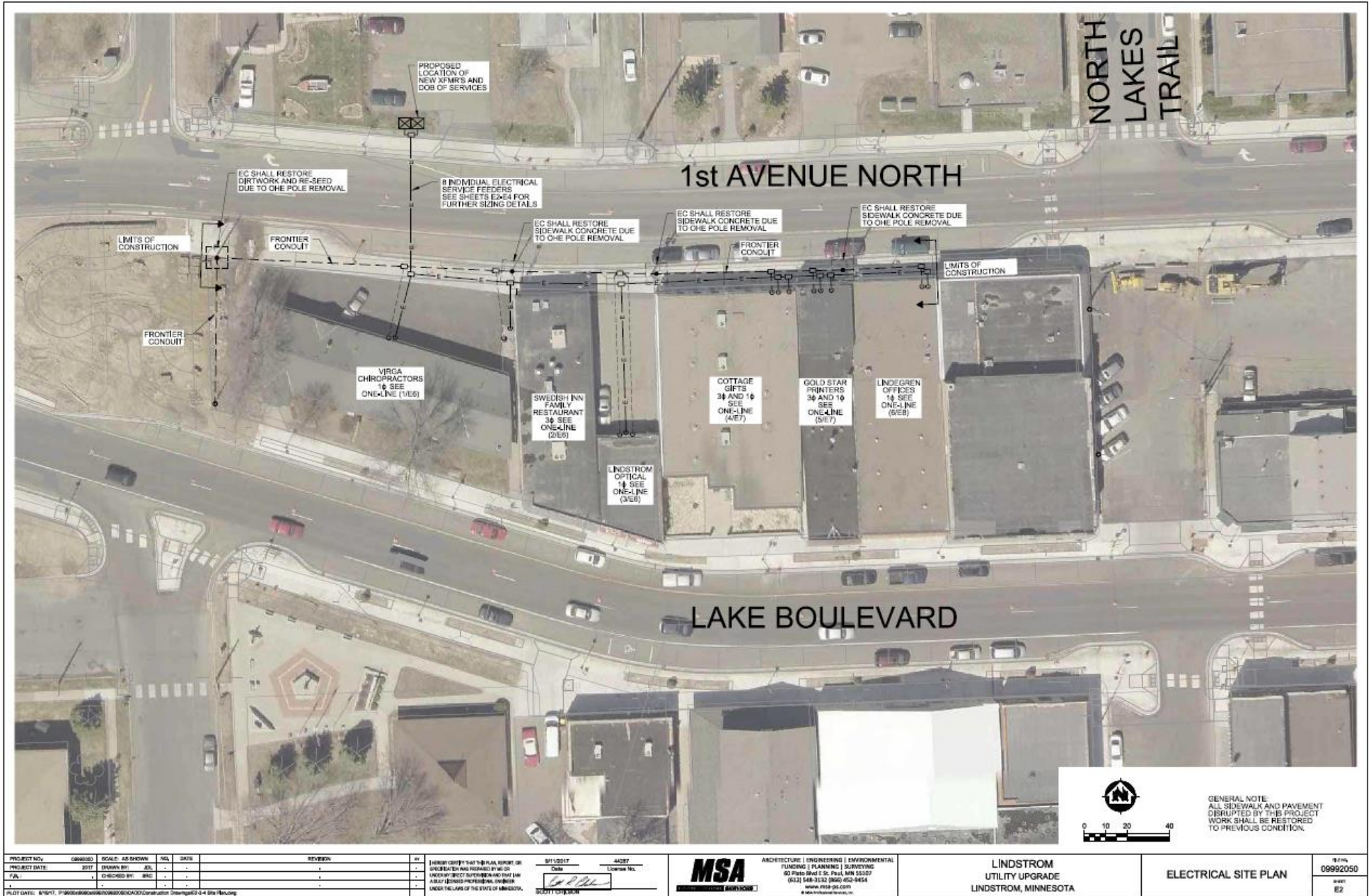
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 60 Park Blvd East, St. Paul, MN 55107-1835
 (651) 546-3122 www.msa-inc.com

PARKING STREET PARKING LOT
 CITY OF LINDSTROM
 CHISAGO COUNTY

SITE PLAN
 PROJECT NO. 0999110
 SHEET 1

ENLARGED FROM PREVIOUS PAGE:





PROJECT NO.	09992050	SCALE: AS SHOWN	NEL	DATE	REVISION
PROJECT DATE	2022	DRAWN BY	EL		
FA		CHECKED BY	MSD		
PLT					

1	MINNESOTA STATE PLAN REPORT OR SPECIFICATION HAS BEEN REVIEWED BY MSO	01/10/2022	44287
2	DESIGNER HAS REVIEWED AND FOUND ALL NECESSARY PERMITS AND REGULATIONS UNDER THE LAWS OF THE STATE OF MINNESOTA.	01/10/2022	44287

MSA
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PLANNING | SURVEYING
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UTILITY UPGRADE
LINDSTROM, MINNESOTA

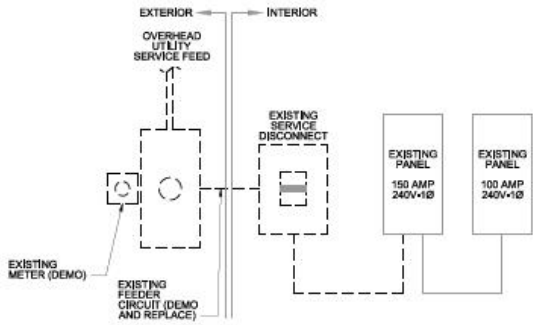
ELECTRICAL SITE PLAN

01/10
09992050
E2



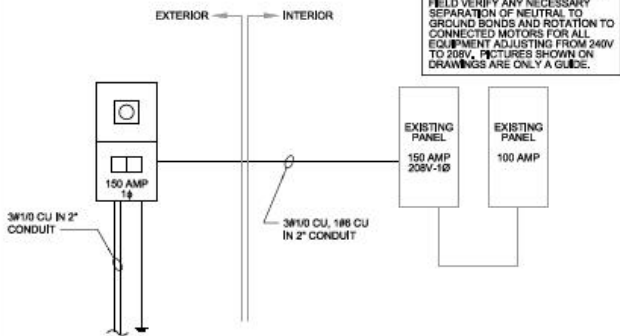
EXISTING SERVICE PHOTOS - VIRGA CHIROPRACTORS

NOT TO SCALE



DEMOLITION ONE-LINE DIAGRAM - VIRGA CHIROPRACTORS

NOT TO SCALE



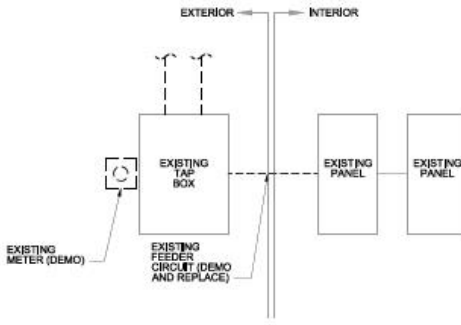
NEW WORK - ONE-LINE DIAGRAM - VIRGA CHIROPRACTORS

EB NOT TO SCALE



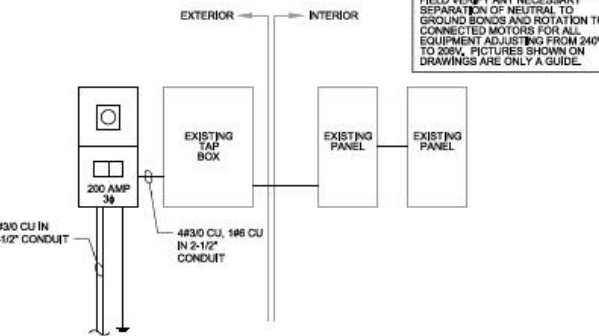
EXISTING SERVICE PHOTOS - SWEDISH INN FAMILY RESTAURANT

NOT TO SCALE



DEMOLITION ONE-LINE DIAGRAM - SWEDISH INN FAMILY RESTAURANT

NOT TO SCALE



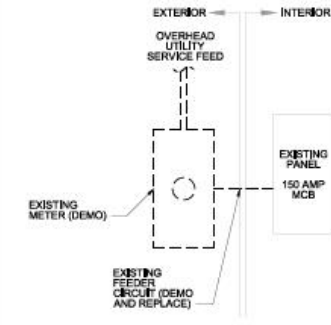
NEW WORK - ONE-LINE DIAGRAM - SWEDISH INN FAMILY RESTAURANT

EB NOT TO SCALE



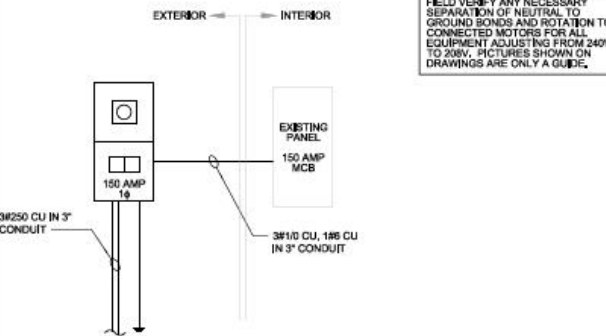
EXISTING SERVICE PHOTOS - LINDSTROM OPTICAL

NOT TO SCALE



DEMOLITION ONE-LINE DIAGRAM - LINDSTROM OPTICAL

NOT TO SCALE



NEW WORK - ONE-LINE DIAGRAM - LINDSTROM OPTICAL

EB NOT TO SCALE

PROJECT NO.	SCALE	AS SHOWN	NO.	DATE	REVISION
080600	AS SHOWN	SL	-	-	-
DATE	BY	CHKD	DATE	BY	CHKD
2017	SL	SL	-	-	-
2/24	SL	SL	-	-	-
2/24	SL	SL	-	-	-

PROJECT NO.	SCALE	AS SHOWN	NO.	DATE	REVISION
080600	AS SHOWN	SL	-	-	-
DATE	BY	CHKD	DATE	BY	CHKD
2017	SL	SL	-	-	-
2/24	SL	SL	-	-	-
2/24	SL	SL	-	-	-

DATE: 2/24/17
 LICENSE NO. 44287
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 (612) 548-3122 (866) 652-5854
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LINDSTROM UTILITY UPGRADE LINDSTROM, MINNESOTA	ELECTRICAL ONE-LINE DIAGRAM 1	17/16 09992050 1/16 EB
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