



**CITY OF STURGEON BAY BOARD OF PUBLIC WORKS AGENDA
TUESDAY, DECEMBER 20, 2022
5:30 P.M.
COUNCIL CHAMBERS, CITY HALL – 421 MICHIGAN ST
HELEN BACON, CHR.**

1. Call to order.
2. Roll call.
3. Adoption of agenda.
4. Consideration of: Approval of 2023 Capital Roadway Improvements and Five Year Capital Plan.
5. Consideration of: Potential Sidewalk Improvements to Future Project on Delaware St from 3rd Ave to N 7th Ave.
6. Consideration of: Potential Storm Water & Sidewalk Improvements to Future Project on Georgia St from N 14th Ave to N 15th PI & N 15th PI from Georgia St to Florida St.
7. Consideration of: Potential Sidewalk Improvements to Future Project on Memorial Drive from S 12th Ave to S 15th Ave & S 15th Ave from Memorial Drive to Utah St.
8. Adjourn.

NOTE: DEVIATION FROM THE AGENDA ORDER SHOWN MAY OCCUR.

Posted:

Date: 12-16-2022

Time: 12:00pm

By: JM

EXECUTIVE SUMMARY

DATE: December 9, 2022

TITLE: 2023 Capital Roadway Improvements and 5 Year Capital Plan

BACKGROUND: Using the PASER pavement rating system projects have been identified for 2023 through 2027. The five-year capital plan is revised and approved each year to adjust for levels of funding, unanticipated deterioration of specific roadways, coordination with Sturgeon Bay Utilities, and other issues that warrant the delay or acceleration of various planned roadway projects. For 2023 the proposed capital roadway improvement projects include:

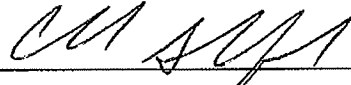
- 1) Michigan Street (from N 4th Ave to 12th Ave) and N 12th Ave (from Michigan Street to Louisiana Street): Mill & Pave. This project will include manhole and water valve adjustments, misc. storm sewer repairs, spot replacement of the curbing & sidewalks, and replacement of the pavement. For the most part this will be replace in kind project. However, ramps will be added to the sidewalk and curbing at all crosswalk locations that currently do not have them, and a new crosswalk location will be added at Nebraska Street. Also, at 5th Ave the sidewalks in the island will be removed so that the island becomes more of a landscaping feature. This is being done because with the size and configuration of the island it isn't practical to provide the curb ramps that would be required to properly use the island for pedestrian crossings. In addition, WPS will be replacing the gas infrastructure within the Michigan Street portions of this project. The gas line replacements are currently underway and will continue until the weather no longer allows for continued work. The remainder of the work will complete in March or April prior to beginning the roadway work.
- 2) S 16th Place (from 460' south of Michigan Street to Utah Street): Mill & Pave. This project will include manhole and water valve adjustments, misc. storm sewer repairs, spot replacement of the curbing & sidewalks, and replacement of the pavement.
- 3) W Juniper Street (from N Fulton Ave to N Duluth Ave) and N Elgin Ave (from W Juniper Street to W Hickory Street): Mill & Pave. This project will include manhole and water valve adjustments, spot replacement of the curbing & sidewalks, and replacement of the pavement.
- 4) Oak Street Parking Lot: Pavement Replacement. This project will include spot replacement of the sidewalk along W Oak Street and replacement of the pavement. The parking layout will also be modified on the west side of the parking lot. The parking changes proposed will allow traffic to enter the lot on the east side of the lot and exit on the west side of the lot. Currently all traffic is intended to enter on either side of the lot off of W Oak Street and exit using the alley that leads to S Madison Ave.
- 5) Jefferson Street Crosswalks: Concrete Replacement. This project will include concrete road replacement at 4 deteriorated crosswalks along Jefferson Street (2 at N 4th Ave., 1 at N 7th Ave, and 1 at N 7th Place).
- 6) S 5th Ave (from alley south of Pennsylvania Street to entry walk of address 332 S 5th Ave): New Sidewalks. This project will include the addition of sidewalks on the east side of the roadway at the location described above. The 2 affected property owners contacted City staff requesting that

the sidewalk be added to remove a gap in the sidewalk network of the area. The property owners also agreed to pay for the installation of the sidewalk without being assessed.

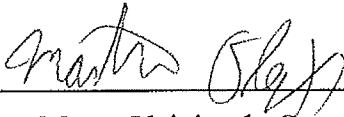
- 7) Alleys E11, W12, and W26: Pavement Replacement. These projects will include replacement of the pavement. Pavement removal, base replacement (if needed), and final grading will be completed by the City of Sturgeon Bay DPW crews.

FISCAL IMPACT: The proposed 2023 capital roadway improvement projects are expected to use approximately \$1,215,745.00 of the \$1,218,698.00 budgeted. Therefore, if the bids come in favorably (ideally the engineering estimates will not be the low bidder) all of the projects should be able to be completed as proposed. If not, modifications to the plan may be needed in order to stay within the overall 2023 capital roadway improvement budgets.

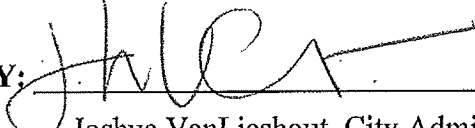
RECOMMENDATION: Staff recommends approval of the five-year capital plan, including the authorization for the preparation of bid documents for the 2022 capital roadway improvement projects as described above.

SUBMITTED BY: 
Chad Shefchik, City Engineer

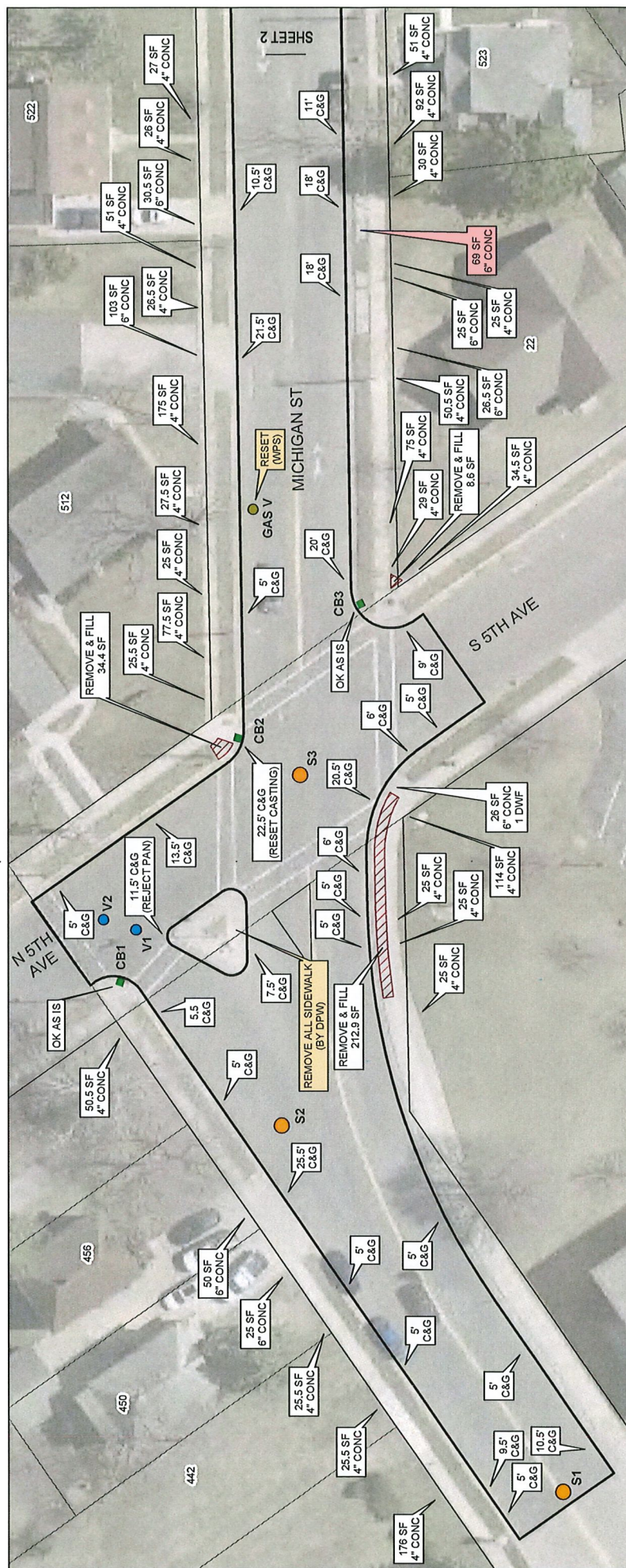
Date: 12-9-22

REVIEWED BY: 
Marty Olejniczak, Community Development Director

Date: 12/9/22

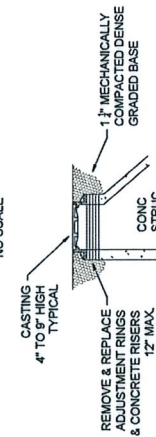
REVIEWED BY: 
Joshua VanLieshout, City Administrator

Date: 12/9/22



DETAIL

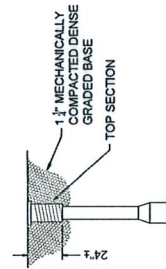
REPLACE MANHOLE CASTING & RINGS



NOTE: ALL MATERIALS
(CASTING, RINGS, ETC...) **PROVIDED BY CITY**

DETAIL

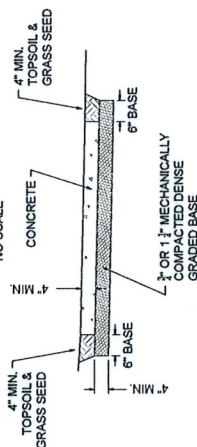
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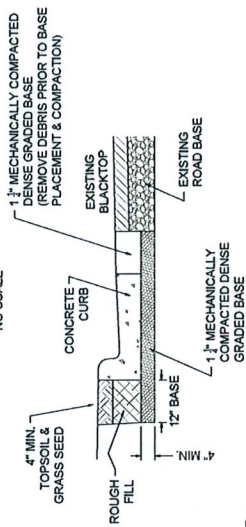
NOTE: ALL MATERIALS
PROVIDED BY CITY

DETAIL

SIDEWALK LAWN RESTORATION



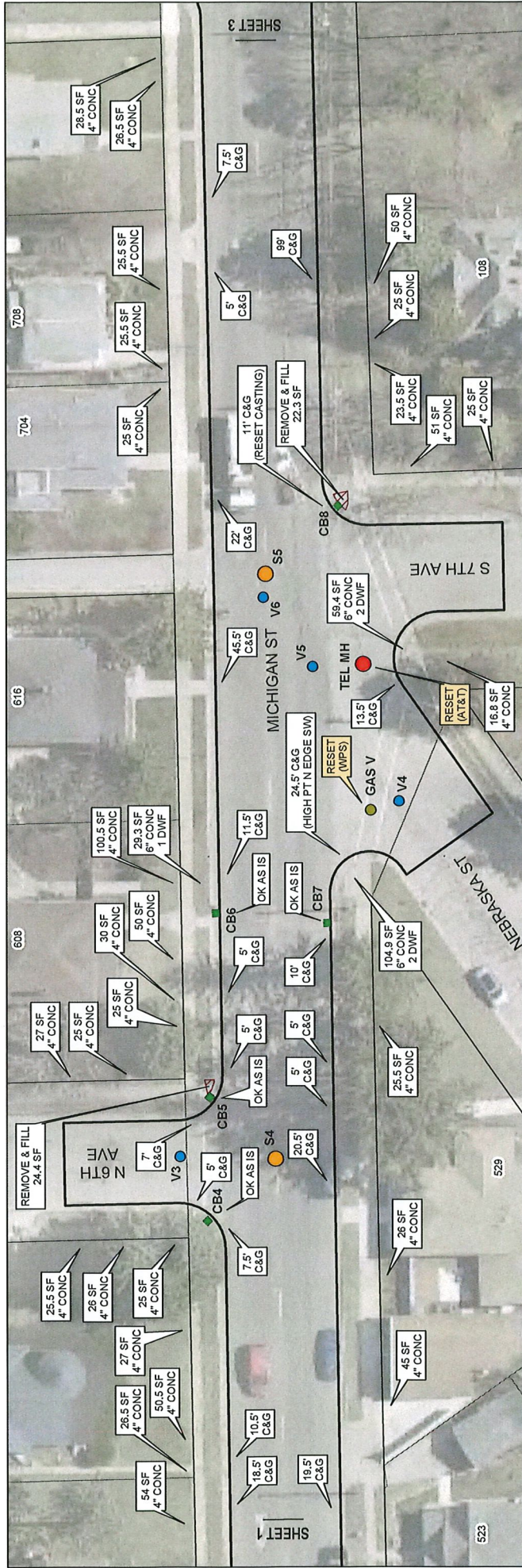
DETAIL
CURB LAWN & ROAD BASE RESTORATION



A horizontal scale bar labeled "Feet" at the right end. It has major tick marks and labels at 0, 15, 30, and 60. The bar is divided into alternating black and white segments.

MICHIGAN STREET
& N 12TH AVE

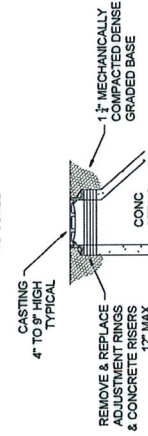




DETAIL

REPLACE MANHOLE CASTING & RINGS

NO SCALE

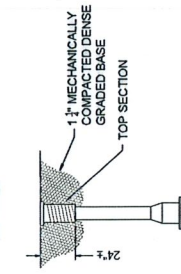


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DETAIL

REPLACE VALVE STEM TOP

NO SCALE

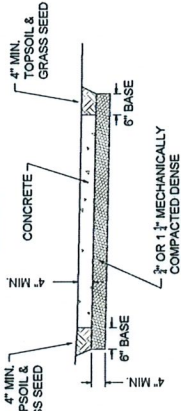


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DETAIL

SIDEWALK LAWN RESTORATION

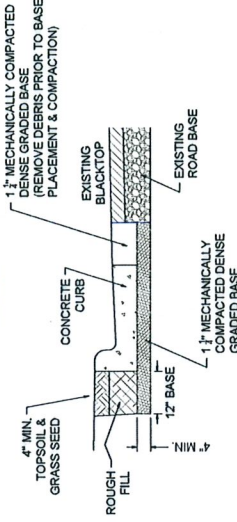
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DETAIL

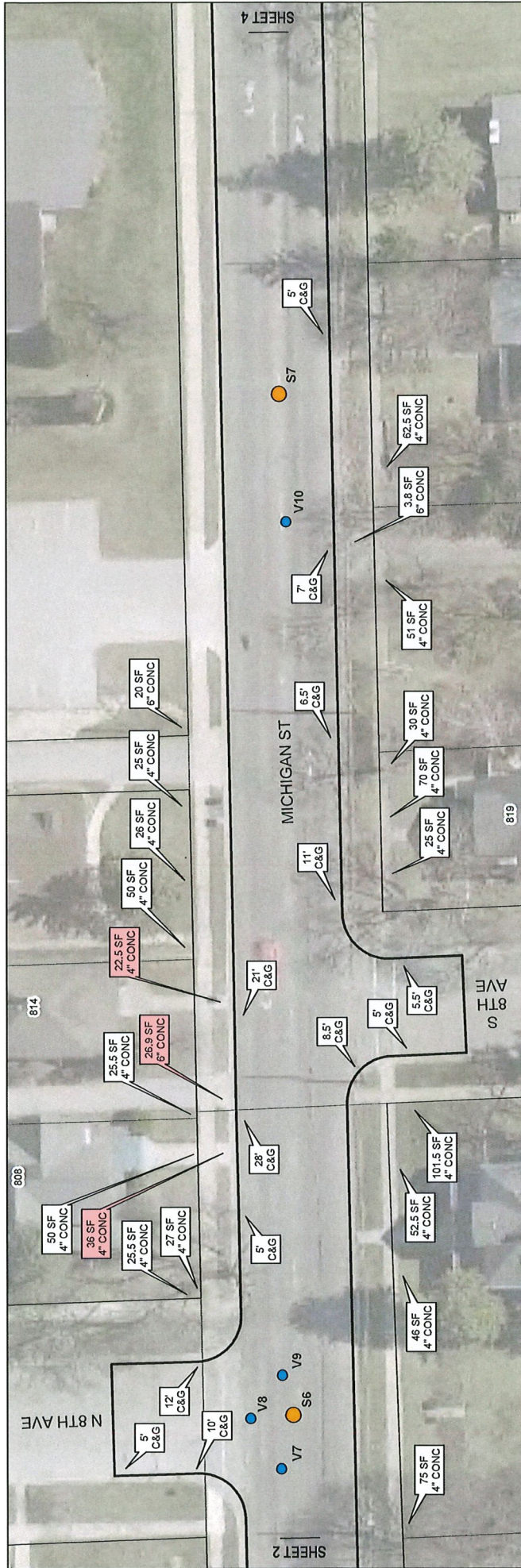
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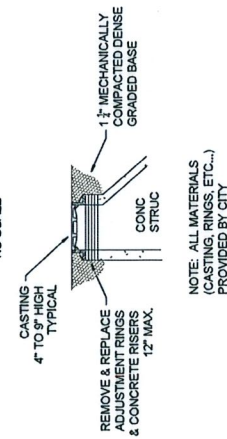


MICHIGAN STREET & N 12TH AVE

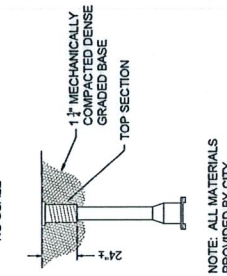




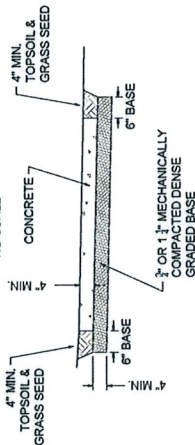
DETAIL
REPLACE MANHOLE CASTING & RINGS



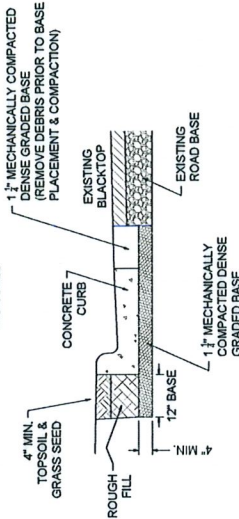
DETAIL
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DETAIL
SIDEWALK LAWN RESTORATION

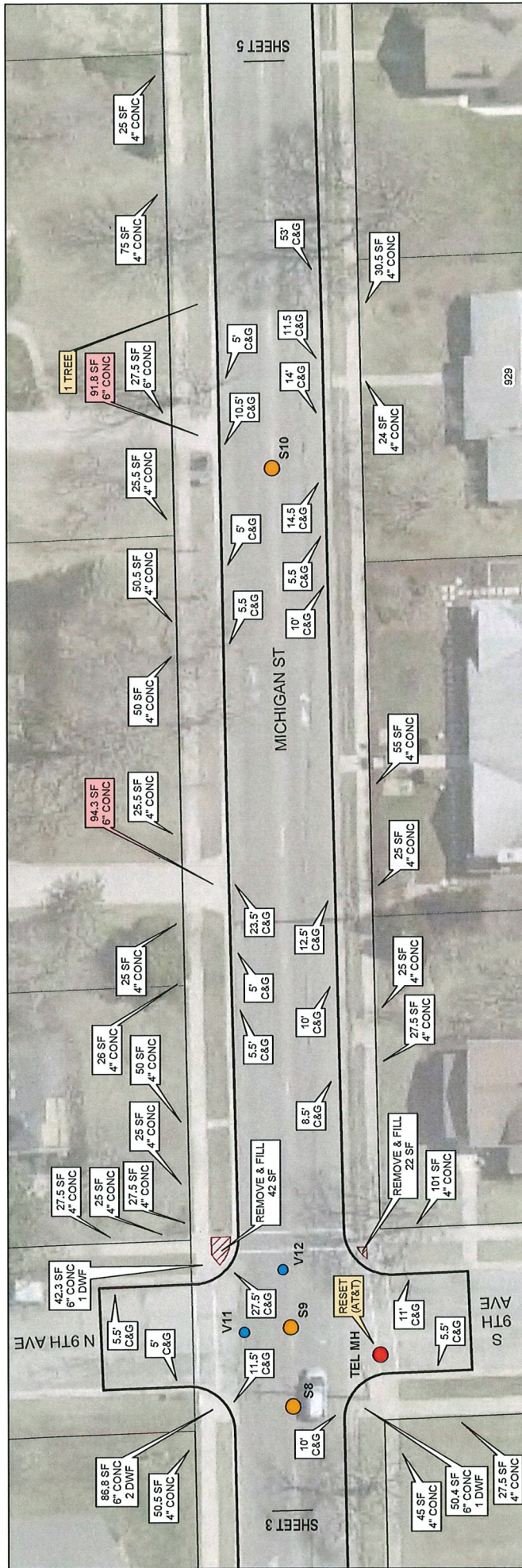


DETAIL
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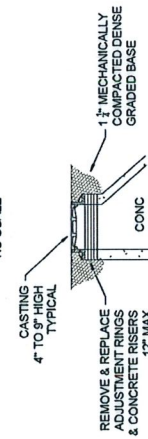


**MICHIGAN STREET
& N 12TH AVE**



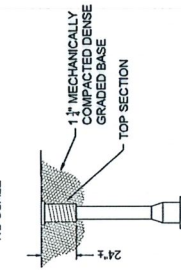


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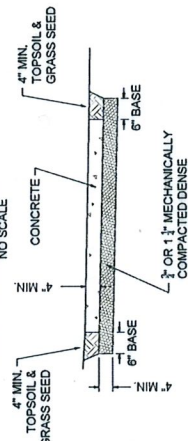
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DETAIL
REPLACE VALVE STEM TOP
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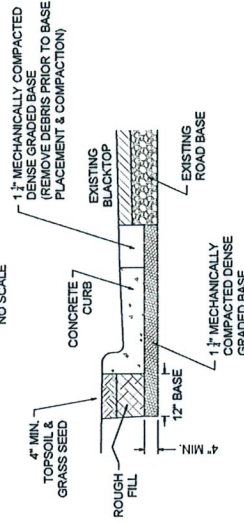


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DETAIL
SIDEWALK LAWN RESTORATION
NO SCALE

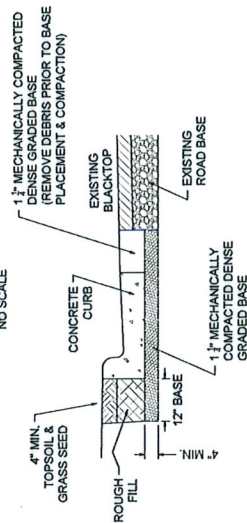
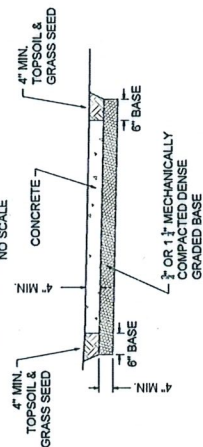
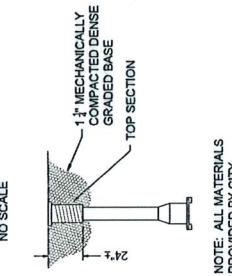
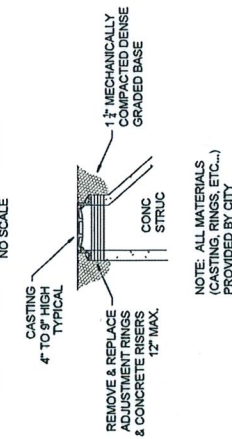
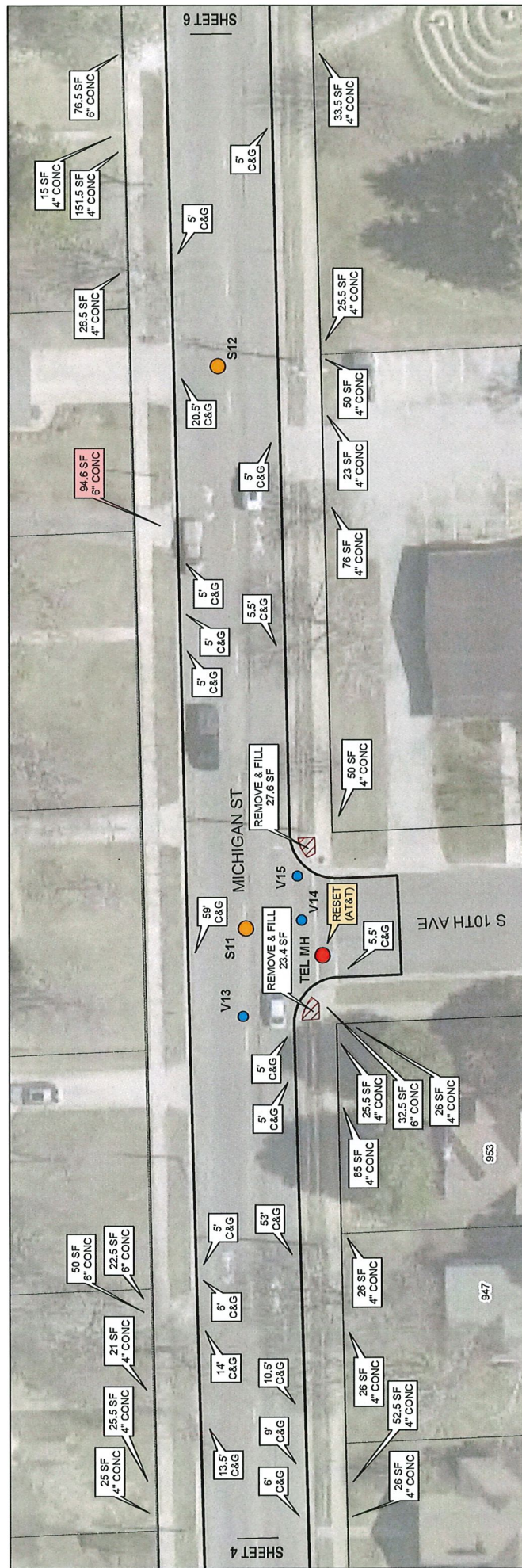


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CURB LAWN & ROAD BASE RESTORATION
NO SCALE



MICHIGAN STREET
N 12TH AVE





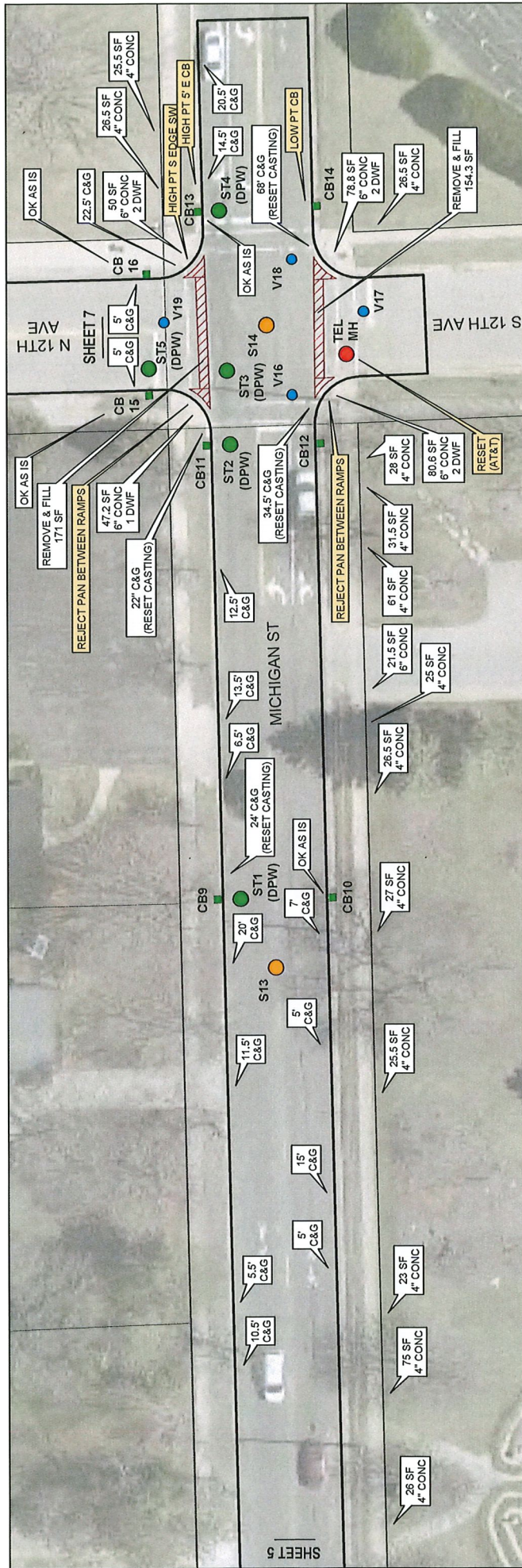
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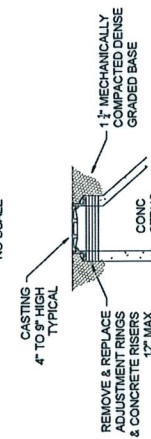


MICHIGAN STREET
& N 12TH AVE

SHEET 5 OF 7

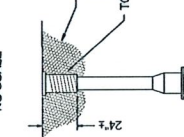


DETAIL REPLACE MANHOLE CASTING & RINGS



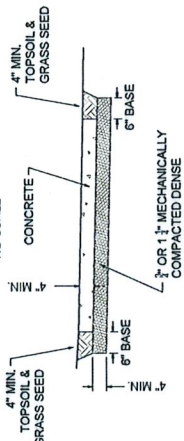
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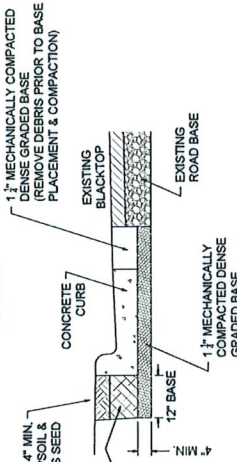


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DETAIL SIDEWALK LAWN RESTORATION

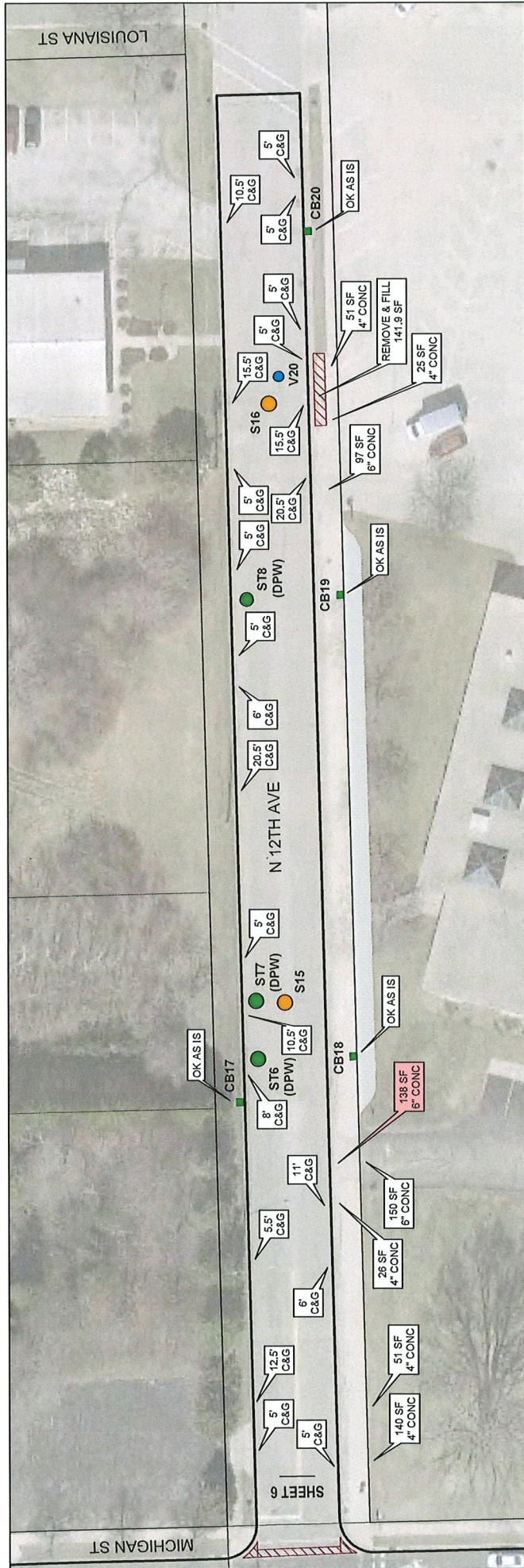


DETAIL CURB LAWN & ROAD BASE RESTORATION



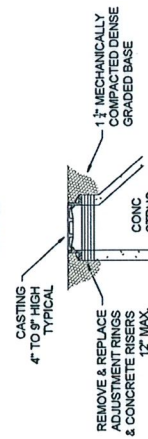
MICHIGAN STREET & N 12TH AVE





DETAIL REPLACE MANHOLE CASTING & RINGS

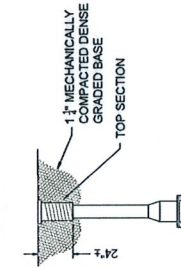
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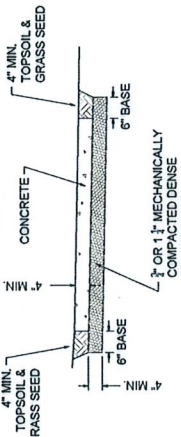
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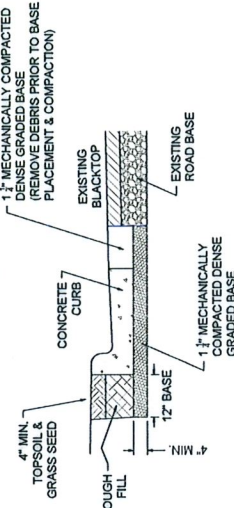
DETAIL SIDEWALK LAWN RESTORATION

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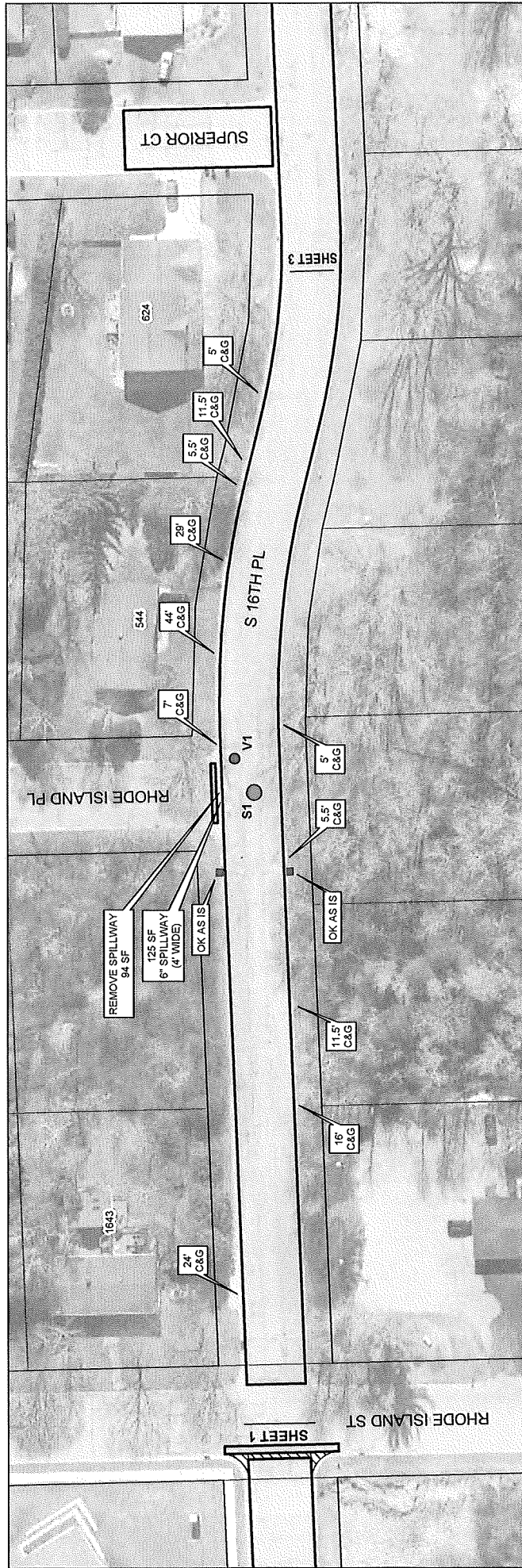
DETAIL CURB LAWN & ROAD BASE RESTORATION

NO SCALE



MICHIGAN ST
& N 12TH AVE

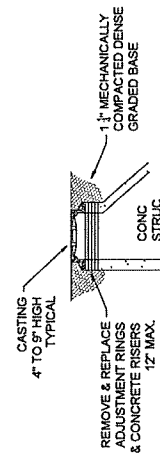




DETAIL

REPLACE MANHOLE CASTING & RINGS

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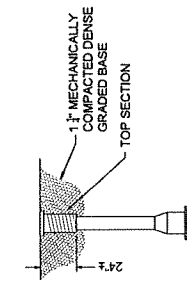


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DETAIL

REPLACE VALVE STEM TOP

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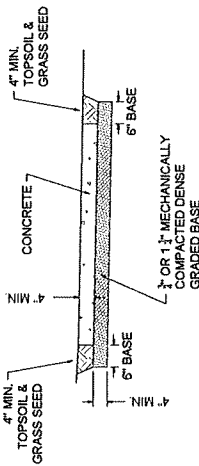


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DETAIL

SIDEWALK LAWN RESTORATION

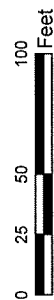
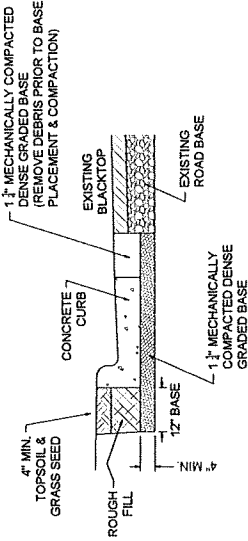
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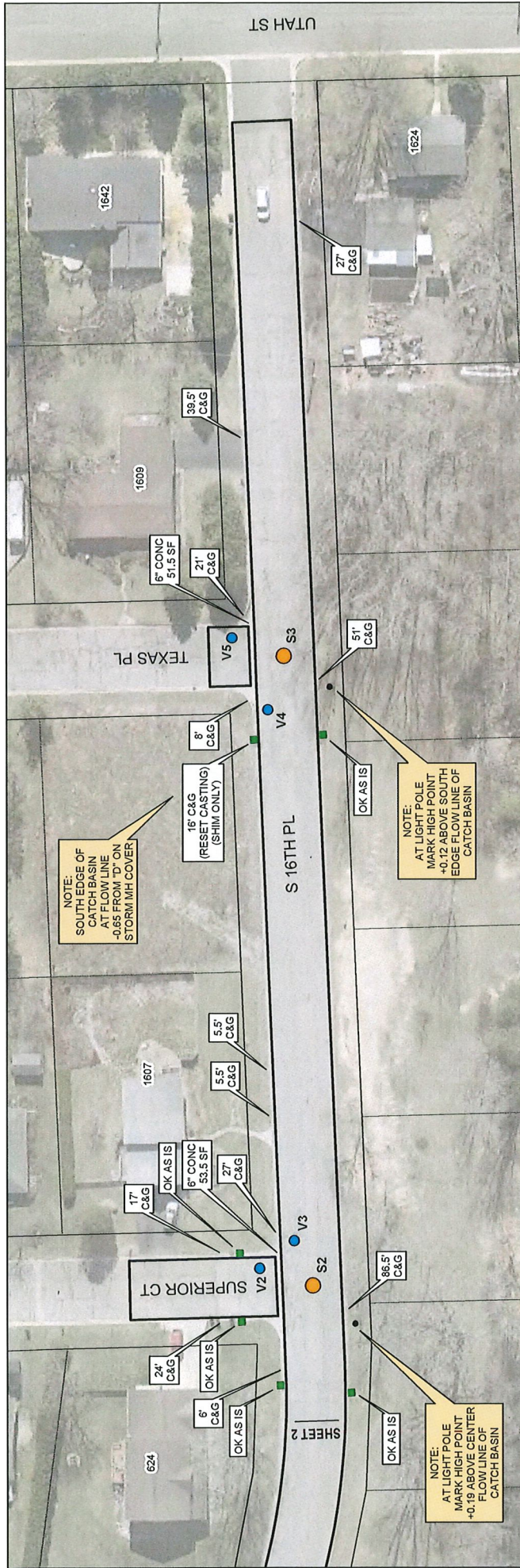
CURB LAWN & ROAD BASE RESTORATION

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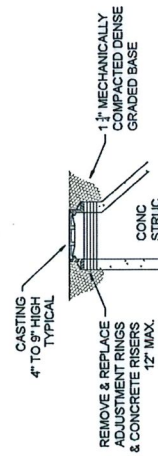
S 16TH PLACE





DETAIL REPLACE MANHOLE CASTING & RINGS

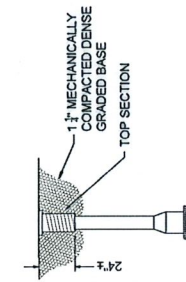
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DETAIL REPLACE VALVE STEM TOP

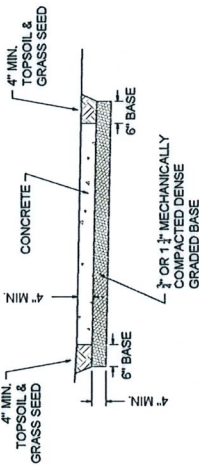
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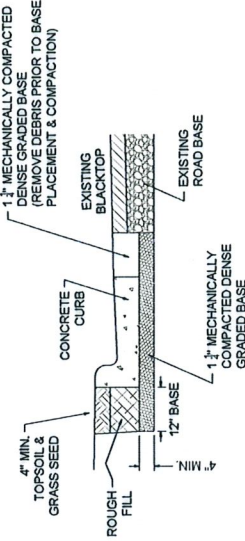
DETAIL SIDEWALK LAWN RESTORATION

NO SCALE



DETAIL CURB LAWN & ROAD BASE RESTORATION

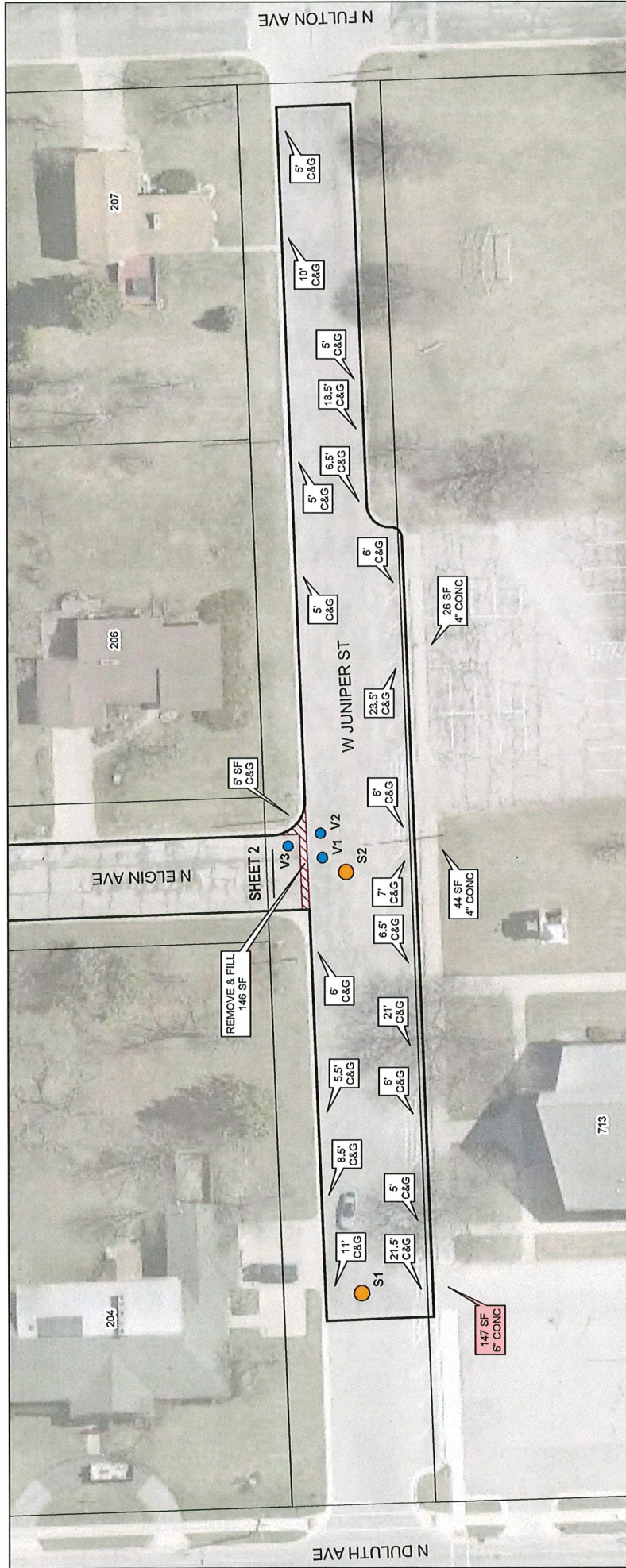
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S 16TH PLACE

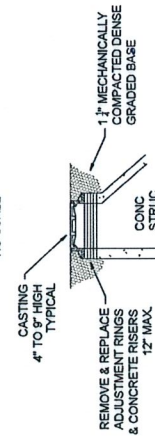


SHEET 3 OF 3



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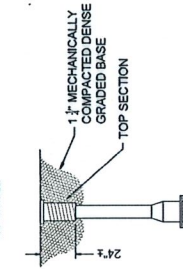
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DETAIL REPLACE VALVE STEM TOP

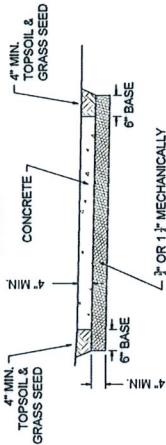
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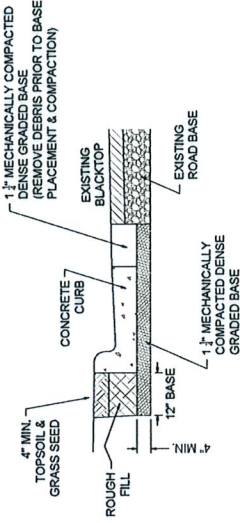
DETAIL SIDEWALK LAWN RESTORATION

NO SCALE



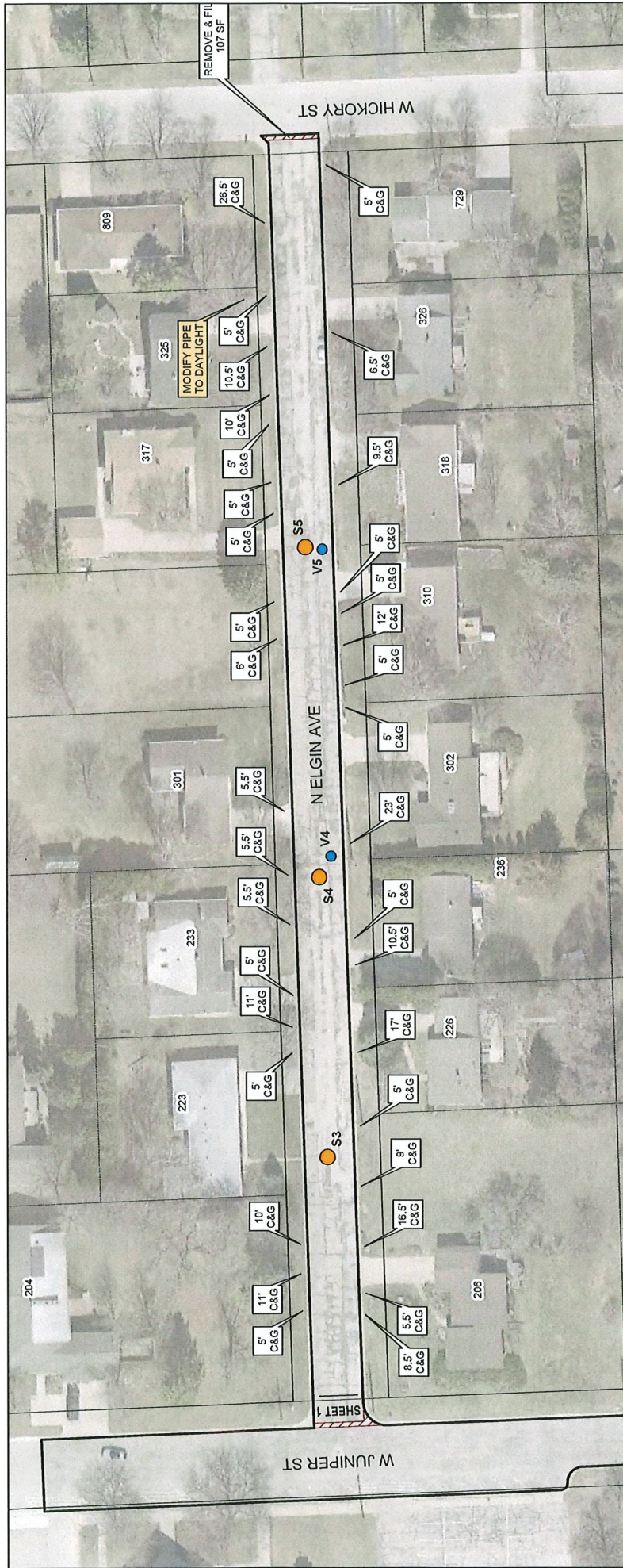
DETAIL CURB LAWN & ROAD BASE RESTORATION

NO SCALE

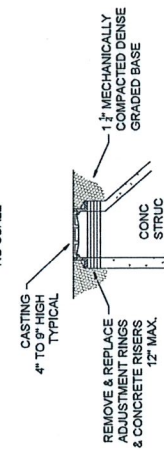


W JUNIPER STREET & N ELGIN AVENUE



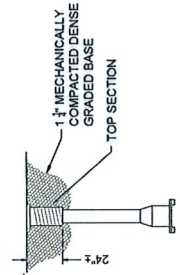


DETAIL
REPLACE MANHOLE CASTING & RINGS
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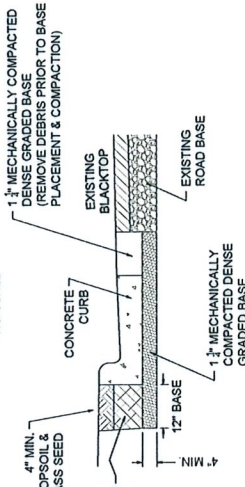
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DETAIL
REPLACE VALVE STEM TOP
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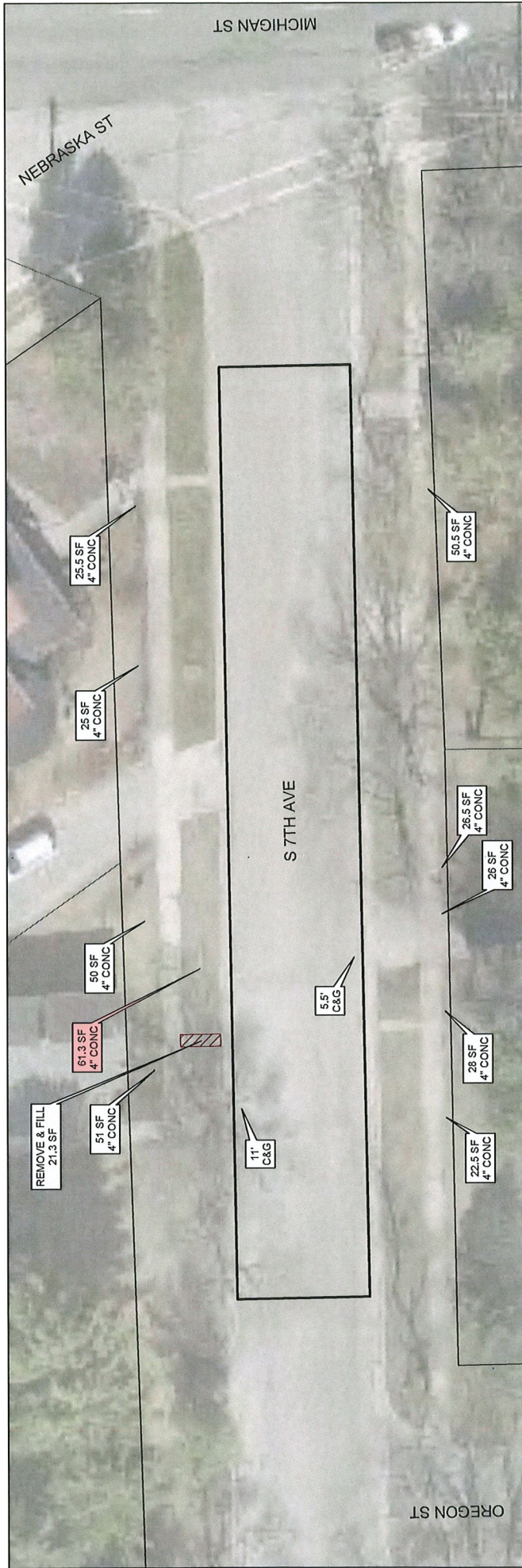
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DETAIL
CURB LAWN & ROAD BASE RESTORATION
NO SCALE



W JUNIPER STREET & N ELGIN AVENUE

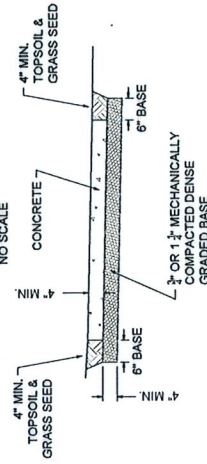




DETAIL

SIDEWALK LAWN RESTORATION

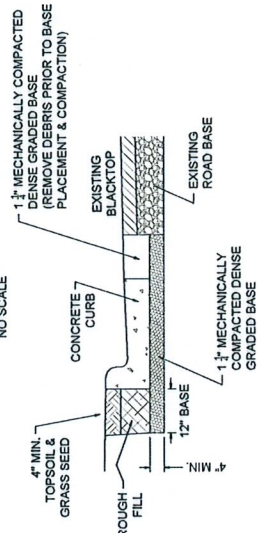
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DETAIL

CURB LAWN & ROAD BASE RESTORATION

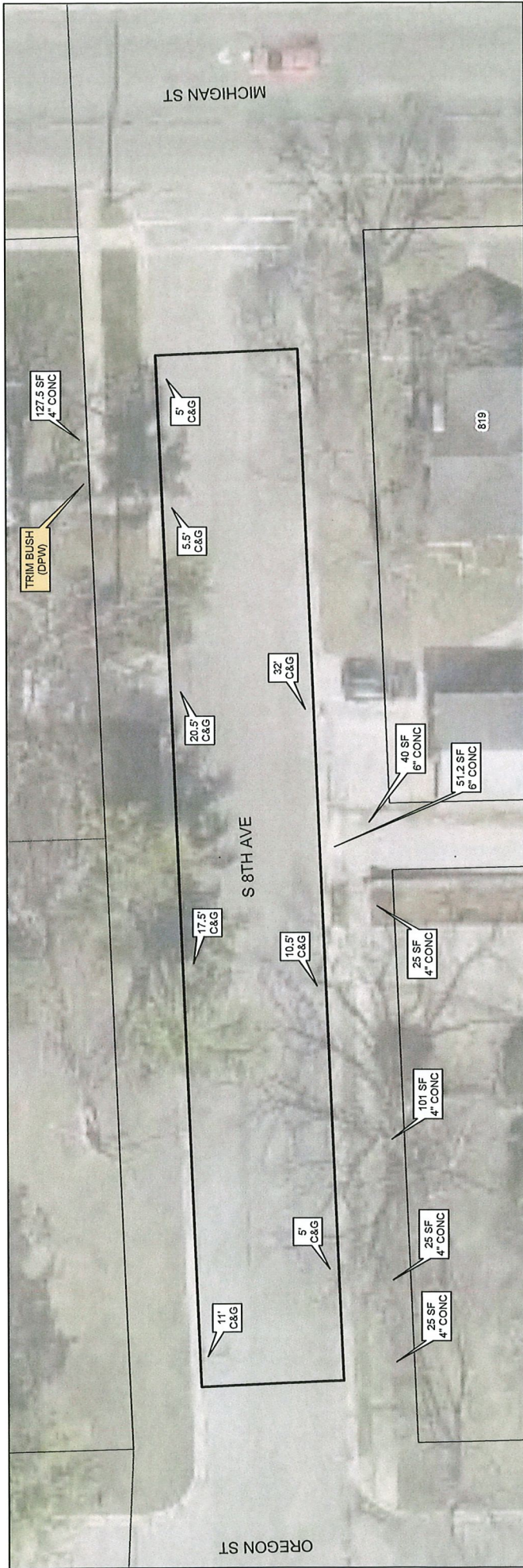
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S 7TH AVE

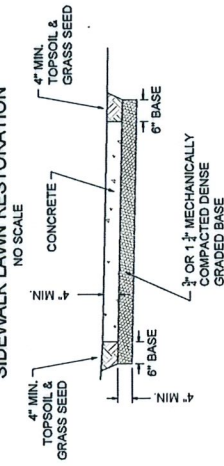


SHEET 1 OF 1



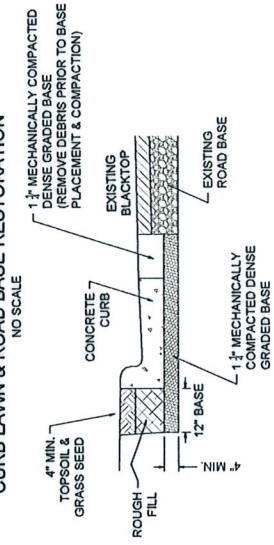
DETAIL

SIDEWALK LAWN RESTORATION



DETAIL

CURB LAWN & ROAD BASE RESTORATION

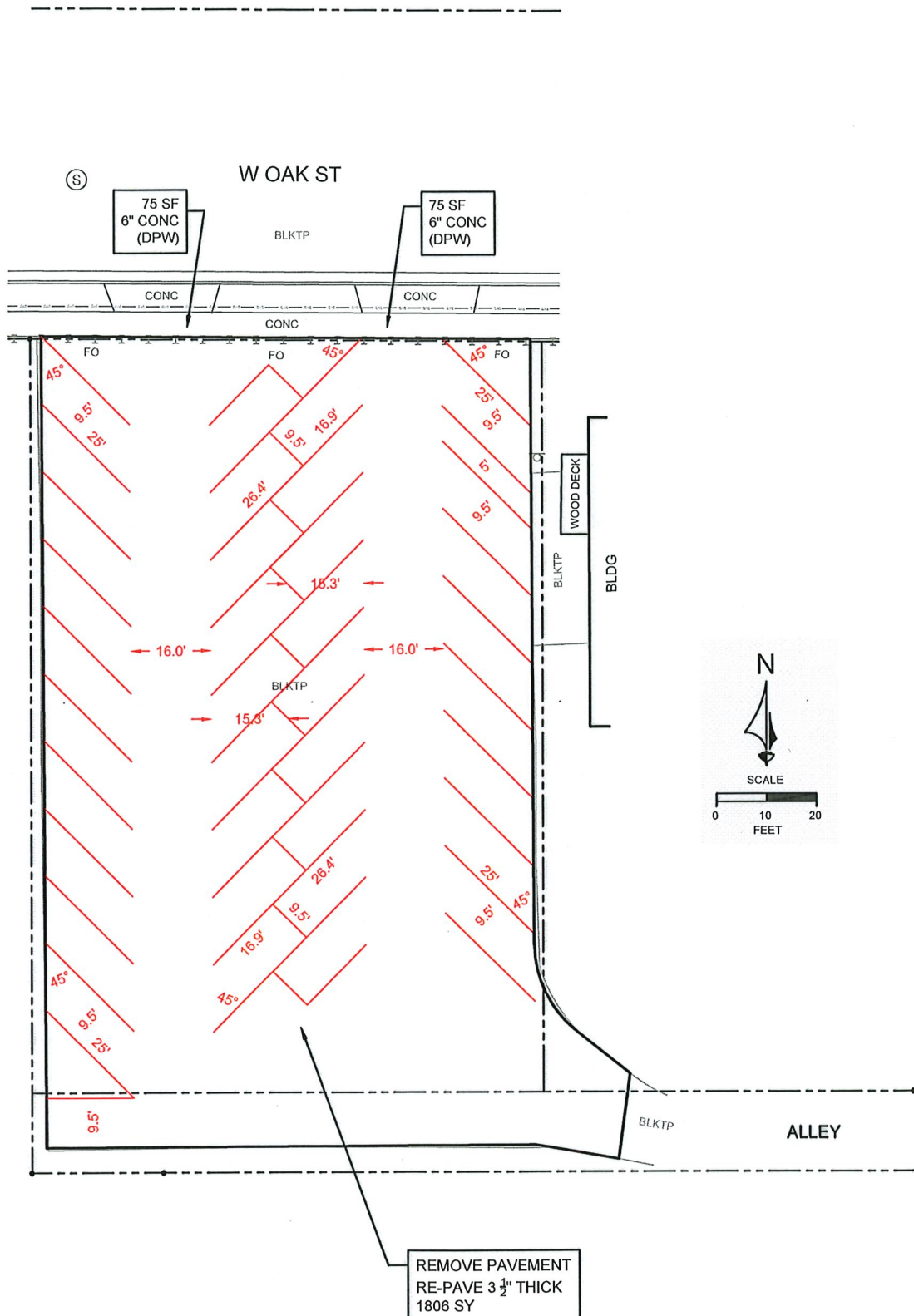


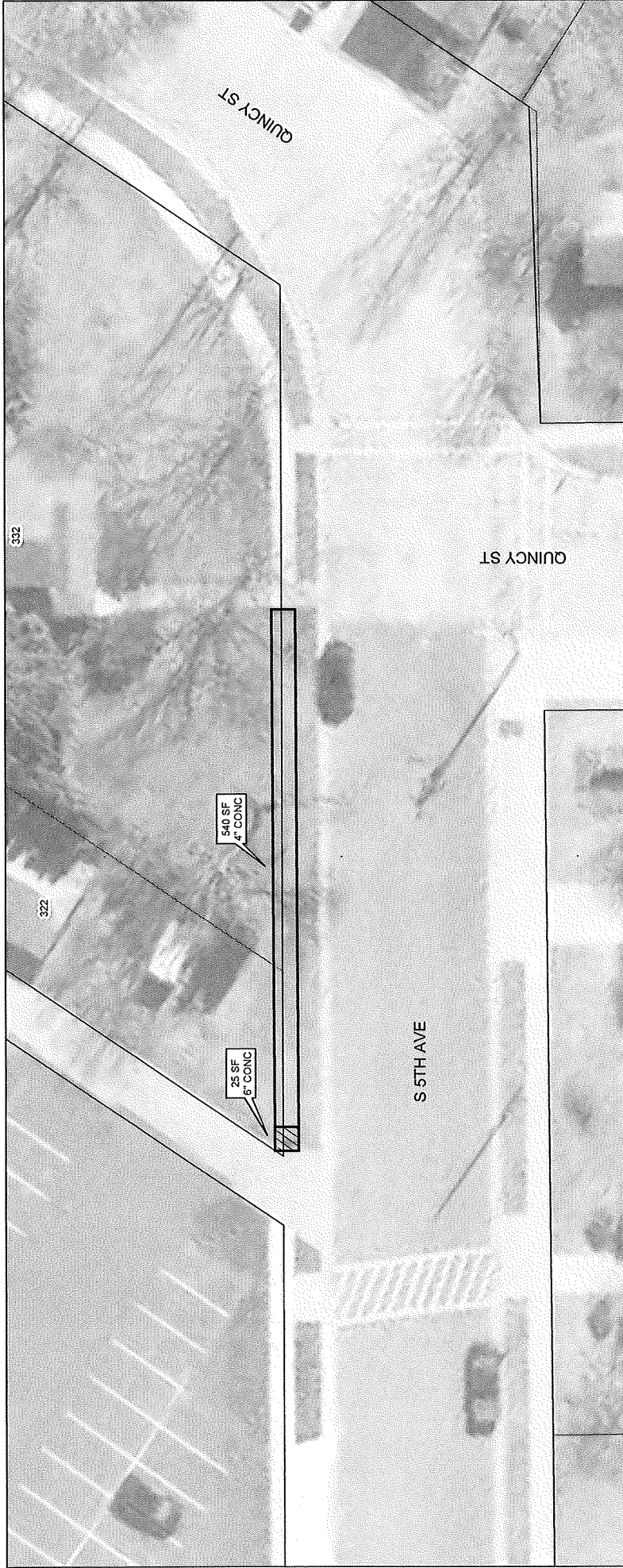
S 8TH AVE

SITE PLAN W OAK ST PARKING LOT



SITE PLAN W OAK ST PARKING LOT

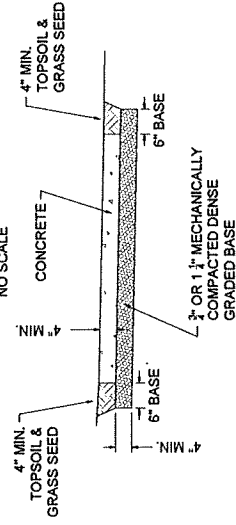




DETAIL

SIDEWALK LAWN RESTORATION

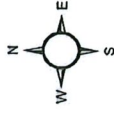
NO SCALE



S 5TH AVE
PROPOSED SIDEWALK



City of Sturgeon Bay Alleys

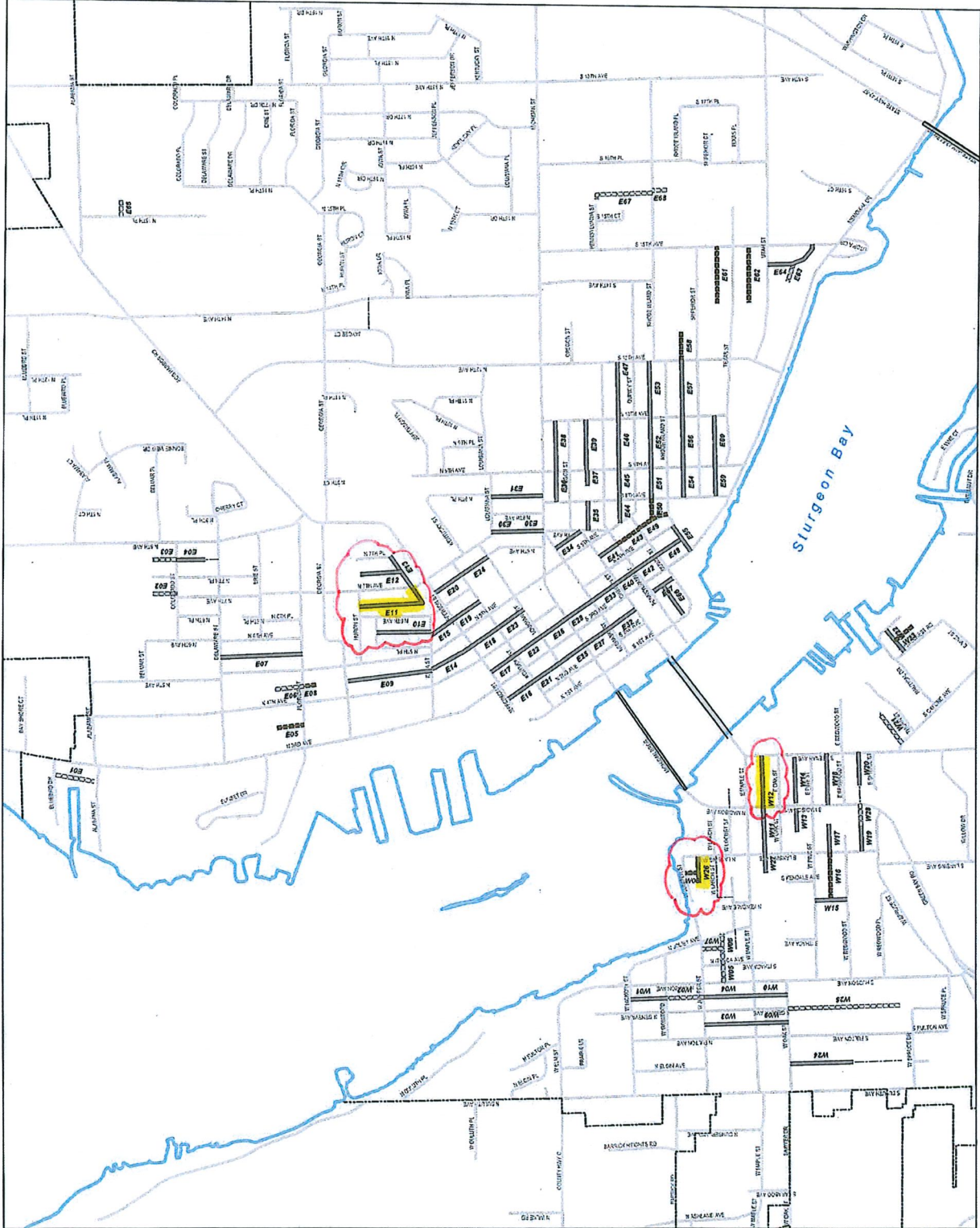


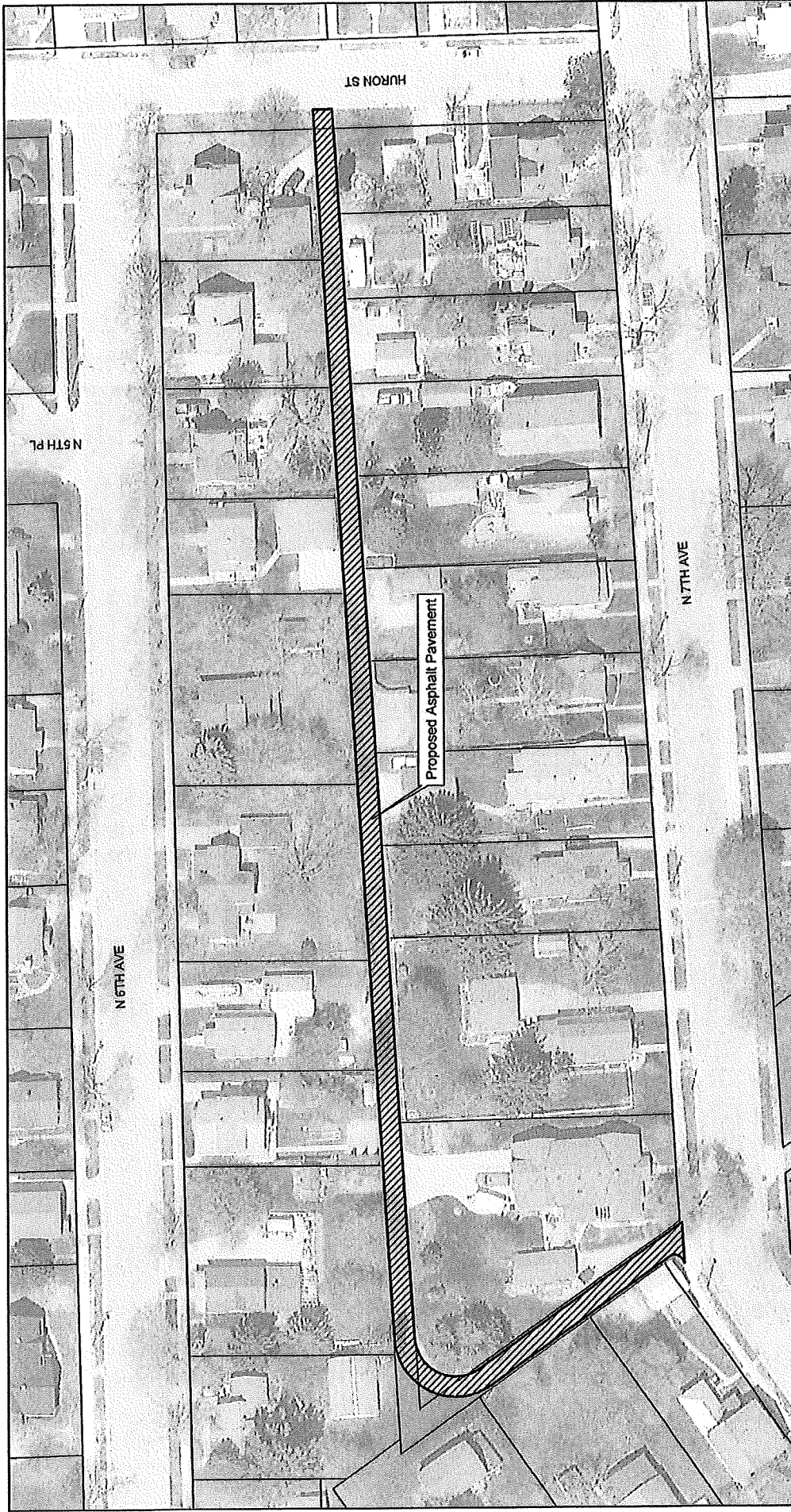
Legend

SURFACE TYPE

- Paved
- Gravel
- Unimproved

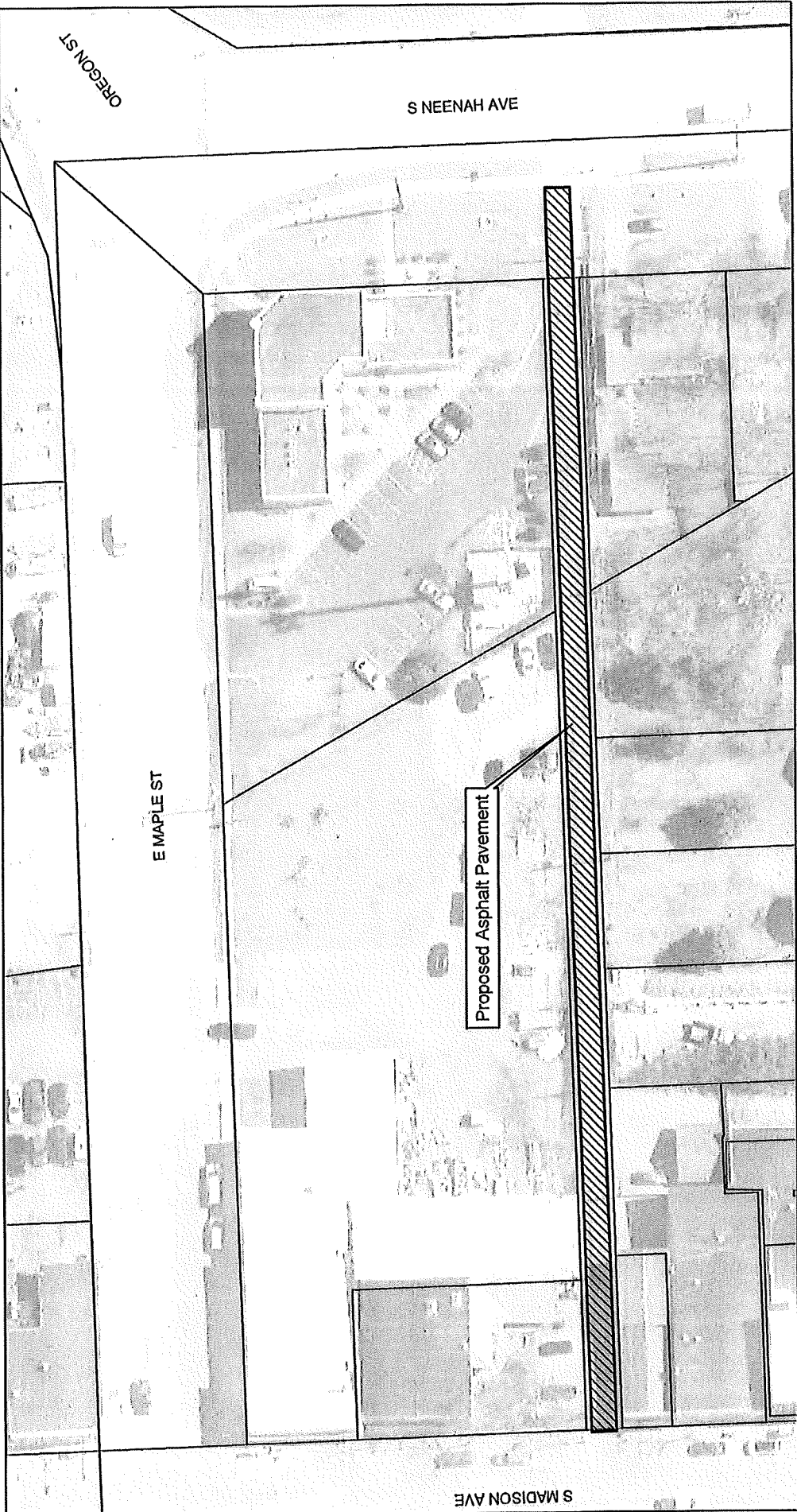
Nov, 2022





Alley E11 - Huron St to N 7th Ave
(between 6th Ave & 7th Ave)





Alley W12 - Madison to Neenah
(between Maple & Oak)



NOV, 2021



Alley W26 - Lansing to End
(between Juniper & Larch)



SEPT, 2022

Asphalt pavement distress

PASER uses visual inspection to evaluate pavement surface conditions. The key to a useful evaluation is identifying different types of pavement distress and linking them to a cause. Understanding the cause for current conditions is extremely important in selecting an appropriate maintenance or rehabilitation technique.

There are four major categories of common asphalt pavement surface distress:

Surface defects

Raveling, flushing, polishing.

Surface deformation

Rutting, distortion—rippling and shoving, settling, frost heave.

Cracks

Transverse, reflection, slippage, longitudinal, block, and alligator cracks.

Patches and potholes

RIDE

Deterioration has two general causes: environmental due to weathering and aging, and structural caused by repeated traffic loadings.

Obviously, most pavement deterioration results from both environmental and structural causes. However, it is important to try to distinguish between the two in order to select the most effective rehabilitation techniques.

The rate at which pavement deteriorates depends on its environment, traffic loading conditions, original construction quality, and interim maintenance procedures. Poor quality materials or poor construction procedures can significantly reduce the life of a pavement. As a result, two pavements constructed at the same time may have significantly different lives, or certain portions of a pavement may deteriorate more rapidly than others. On the other hand, timely and effective maintenance can extend a pavement's life. Crack sealing and seal coating can reduce the effect of moisture in aging of asphalt pavement.



2017 2019 2021									
Year	Street Name	Start	End	Paser Rating	Paser Rating	Paser Rating	Improvement Type	Notes	
2023	Michigan Street	N 4th Ave	12th Ave		5	5	Mill & Pave	LRIP Grant Project	
2023	N 12th Ave	Michigan Street	Louisiana Street		6	5	Mill & Pave	LRIP Grant Project	
2023	S 16th Place	460' south of Michigan Street	Utah Street	5	5	3	Mill & Pave	LRIP Grant Project	
2023	W Juniper Street	N Fulton Ave	N Duluth Ave	5	4	4	Mill & Pave		
2023	N Elgin Ave	W Juniper Street	W Hickory Street	5	4	4	Mill & Pave		
2023	S 7th Ave	Michigan Street	Oregon Street (north)		6	5	Mill & Pave	Ready to be added if bids come in below engineering estimates (0.04 Miles)	
2023	S 8th Ave	Michigan Street	Oregon Street		5	5	Mill & Pave	Ready to be added if bids come in below engineering estimates (0.04 Miles)	
2023	Oak Street Parking Lot						Pavement Replacement	Slight modifications to the parking layout	
2023	Jefferson Street Crosswalks	2@N 4th Ave	1@N 7th Ave + 1@N 7th Place				Concrete Replacement		
2023	Sidewalk by Moravian Church	Alley on S 5th Ave	Entry Walk of Address #332				New Sidewalks	To be paid for by the Moravian Church per agreement dated October 12, 2022	
2023	Alley E11	N 6th Ave & N 7th Ave	Jefferson Street to Huron Street			2	DPW Prep - New Asphalt	DPW remove asphalt & final grade - bid asphalt replacement only	
2023	Alley W12	E Maple St. & E Oak Street	S Madison Ave to S Neenah Ave			3	DPW Prep - New Asphalt	DPW remove asphalt & final grade - bid asphalt replacement only	
2023	Alley W26	W Juniper Street & W Larch Street	N Lansing Ave to Termination			4	DPW Prep - New Asphalt	DPW remove asphalt & final grade - bid asphalt replacement only	
2023	Crack Filling								
							\$1,215,745.00	Total Expenses - All Proposed Projects	
			Total Miles	1.43			\$1,218,698.00	Total Capital Roadway Improvement Available Budgets	

Year	Street Name	Start	End	2017			2019			2021			Improvement Type	Notes
				Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating		
2024	Huron Street	N 14th Place	N 15th Place	3	3	3	3	3	3	3	3	3	Mill & Pave	
2024	Huron Court & N 15th Place	Huron Street	Georgia Street				4	4	4	4	4	4	Mill & Pave	
2024	S 18th Ave	Michigan Street	Rhode Island Street				5	5	5	5	5	5	Mill & Pave	
2024	Oregon Street	S 7th Ave	S 10th Ave				5	5	5	5	5	5	Mill & Pave	
2024	S 7th Ave	Michigan Street	Oregon Street (south)				6	6	6	6	6	6	Mill & Pave	
2024	S 8th Ave	Michigan Street	Rhode Island Street				5	5	5	5	5	5	Mill & Pave	
2024	S 9th Ave	Michigan Street	Pennsylvania Street				5	5	5	5	5	5	Mill & Pave	
2024	Pennsylvania Street	S 8th Ave	S 5th Ave			4	4	4	4	4	4	4	Mill & Pave	
													\$851,328.00	Total Expenses - All Proposed Projects
			Total Miles	1.39									\$845,000.00	Total Capital Roadway Improvement Available Budgets

Year		Street Name		Start		End		2017		2019		2021		Improvement		Notes	
								Paser	Rating	Paser	Rating	Paser	Rating	Type			
2025	Memorial Drive	S 9th Ave	S 12th Ave						5		4			Mill & Pave		Includes Finishing Sidewalks on North Side of Roadway - Assessment Needed	
2025	Memorial Drive	S 12th Ave	Utopia Circle - West						5		4			Mill & Pave			
2025	Florida Street	N 18th Ave	N 19th Drive					5	5		4			Mill & Pave			
2025	Louisiana Place	N 16th Place	N 17th Drive						5		4			Mill & Pave			
2025	N 16th Place	Louisiana Place	Kentucky Place						5		4			Mill & Pave			
2025	N 16th Drive	Louisiana Place	Kentucky Place						5		4			Mill & Pave			
2025	Vine Street	Shorecrest Road	S Oxford Ave						5		4			Mill & Pave			
2025	E Walnut Place	E Walnut Drive	S Tomahawk Ave					4	4		3			Mill & Pave			
														\$870,405.00		Total Expenses - All Proposed Projects	
								1.34						\$865,000.00		Total Capital Roadway Improvement Available Budgets	

Year	Street Name	Start	End	2017				2019				2021				Improvement Type	Notes
				Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating		
2026	Bluebird Street	N 12th Place	N 11th Place	5	5	5	5	5	5	5	5	5	5	5	5	Mill & Pave	
2026	N 12th Place	700' North of Bluebird Street	Bluebird Street	5	4	4	4	4	4	4	4	4	4	4	4	Mill & Pave	
2026	N 18th Place	Georgia Street	Iowa Street (south)		5	5	5	5	5	5	5	5	5	5	5	Mill & Pave	
2026	N 18th Place	Iowa Street (south)	Jefferson Drive			5	5	5	5	5	5	5	5	5	5	Mill & Pave	
2026	Jefferson Drive	N 18th Place	N 18th Ave			5	5	5	5	5	5	5	5	5	5	Mill & Pave	
2026	N 15th Court	N 15th Drive	Termination			4	4	4	4	4	4	4	4	4	4	Mill & Pave	
2026	S 14th Ave	Rhode Island Street	Quincy Street + 180' North	4	4	4	4	4	4	4	4	4	4	4	4	Mill & Pave	
2026	Cove Road	Zenith Street	Termination	5	5	5	5	5	5	5	5	5	5	5	5	Pulverize & Pave	
2026	Zenith Street	Cove Road	Termination	5	5	5	5	5	5	5	5	5	5	5	5	Pulverize & Pave	
2026	S Lansing Ave	Green Bay Road	Hwy 42/57			5	5	5	5	5	5	5	5	5	5	Mill & Pave	
2026	Circle Ridge Place	S Tomahawk Ave	S Ridgeway Drive			4	4	4	4	4	4	4	4	4	4	Mill & Pave	
2026	S Ridgeway Drive	Circle Ridge Place	E Walnut Place - 250'	6	4	4	4	4	4	4	4	4	4	4	4	Mill & Pave	
																\$879,135.00	Total Expenses - All Proposed Projects
			Total Miles	1.69												\$885,000.00	Total Capital Roadway Improvement Available Budgets

Year		Street Name		Start		End		2017		2019		2021		Improvement		Notes	
								Paser	Rating	Paser	Rating	Paser	Rating	Type			
2027	N 17th Drive & Florida Street	Erie Street				N 16th Place		5		4		4		Mill & Pave			
2027	S 15th Ave	Michigan Street				Rhode Island Street				5		5		Mill & Pave			
2027	S 15th Ave	Rhode Island Street				Texas Street				5		5		Mill & Pave		Includes Finishing Sidewalks on West Side of Roadway - Assessment Needed	
2027	Rhode Island Street	S 15th Ave				375' West of S 16th Place				5		4		Mill & Pave			
2027	Texas Street	S 15th Ave				Termination		5		4		4		Mill & Pave			
2027	Texas Street	S 10th Ave				S 15th Ave				5		5		Mill & Pave			
2027	N 6th Ave	Michigan Street				Louisiana Street				5		4		Mill & Pave			
														\$904,393.00		Total Expenses - All Proposed Projects	
						Total Miles		1.42						\$905,000.00		Total Capital Roadway Improvement Available Budgets	

Year	Street Name	Start		End	2017		2019		2021		Improvement Type	Notes
					Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating	Paser Rating		
	E Compass Street	S Ridgeway Ave	S Ridgeway Drive		5	5	5	5	5	5	Mill & Pave	
	E Compass Place	Ridgeway Ave	Ridgeway Drive				5	5	5	5	Mill & Pave	
	N 9th Ave	Michigan Street	Louisiana Street				5	5	5	5	Mill & Pave	
	N 9th Ave	Louisiana Street	Big Hill Park				5	5	5	5	Mill & Pave	
	Shiloh Road	E Yew Street	450' South		6	4	4	4	4	4	Mill & Pave	
	Shiloh Road	E Yew Street -450'	E Deck Street		6	4	4	4	4	4	Mill & Pave	
	E Yew Street	S Lansing Ave	S Neenah Ave		5	4	4	4	4	4	Mill & Pave	
	E Yew Street	S Neenah Ave	Shiloh Road		5	4	4	4	4	4	Mill & Pave	
			Total Miles		3.94						\$2,562,676.00	Total Expenses - All Proposed Projects

2023 Asphalt Replacement Analysis

Total Miles of Roadways (not including alleys):

Unimproved:	0.12
Gravel:	3.13
Concrete:	3.71
Asphalt:	67.16
Total:	74.12

Amount of Asphalt Roadways Repaved or Scheduled for Repaving:

Year	LF	Miles	Typical Budget	Cost	Cost Per LF	Replacement Schedule
2013	5020	0.95				70.64
2014	4230	0.80				83.83
2015	5475	1.04				64.77
2016	9889	1.87	\$685,000	\$886,634	\$89.66	35.86
2017	6650	1.26	\$705,000	\$540,394	\$81.26	53.32
2018	7679	1.45	\$725,000	\$684,323	\$89.12	46.18
2019	6328	1.20	\$745,000	\$747,177	\$118.07	56.04
2020	15640	2.96	\$765,000	\$1,329,617	\$85.02	22.67
2021	14543	2.75	\$785,000	\$926,645	\$63.72	24.38
2022	8450	1.60	\$805,000	\$859,492	\$101.72	41.97
2023	7546	1.43	\$825,000	\$933,356	\$123.69	46.99
2024	7318	1.39	\$845,000	\$851,328	\$116.33	48.46
2025	7050	1.34	\$865,000	\$870,405	\$123.46	50.30
2026	8913	1.69	\$885,000	\$879,135	\$98.64	39.79
2027	7491	1.42	\$905,000	\$904,393	\$120.73	47.34

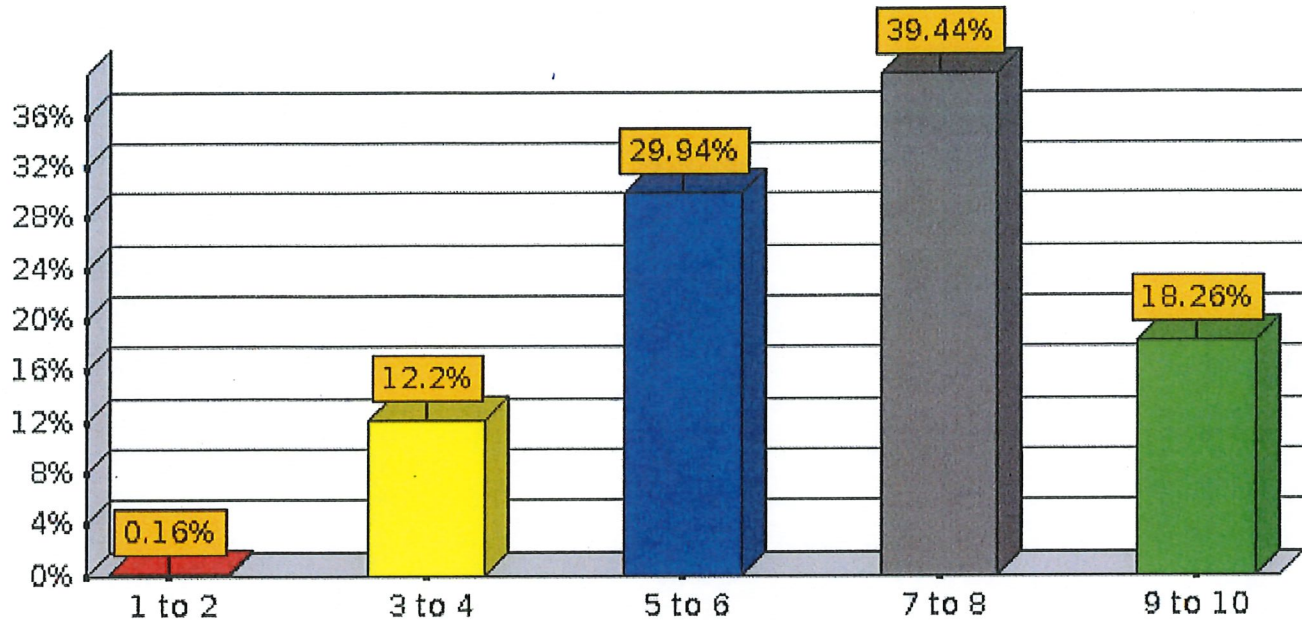
Desired Repl. Schedule	Miles of Pavement Replacement	Req. Budget (If All Projects Mill & Pave)
20	3.36	\$1,937,915
25	2.69	\$1,550,332
30	2.24	\$1,291,943
35	1.92	\$1,107,380
40	1.68	\$968,958

Mill & Pave Ave Cost Per LF: \$109.30

2021 - 2023

Condition Frequency Report - Paved City of Sturgeon Bay

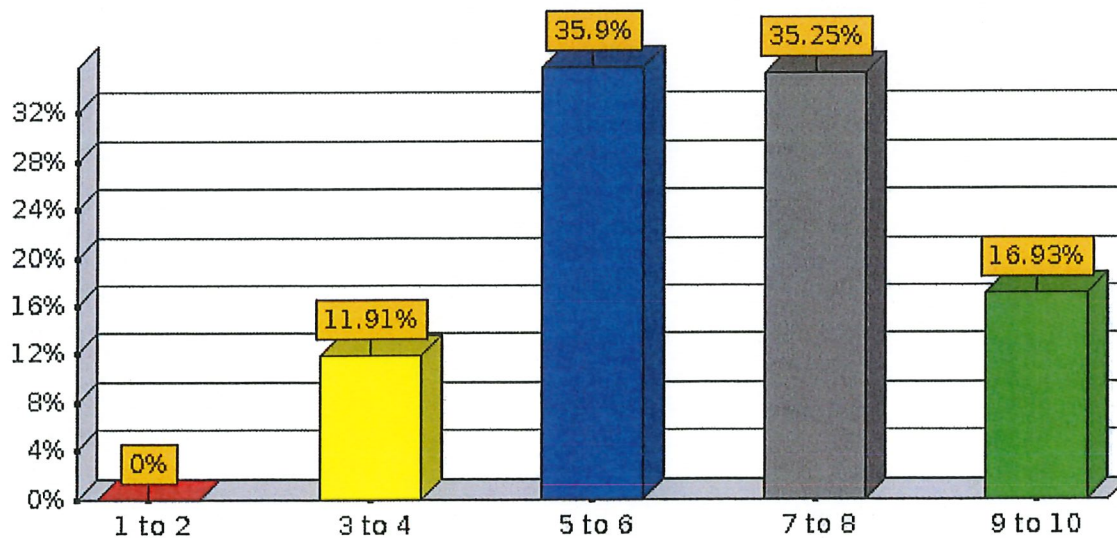
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2019 - 2021

Condition Frequency Report - Paved City of Sturgeon Bay

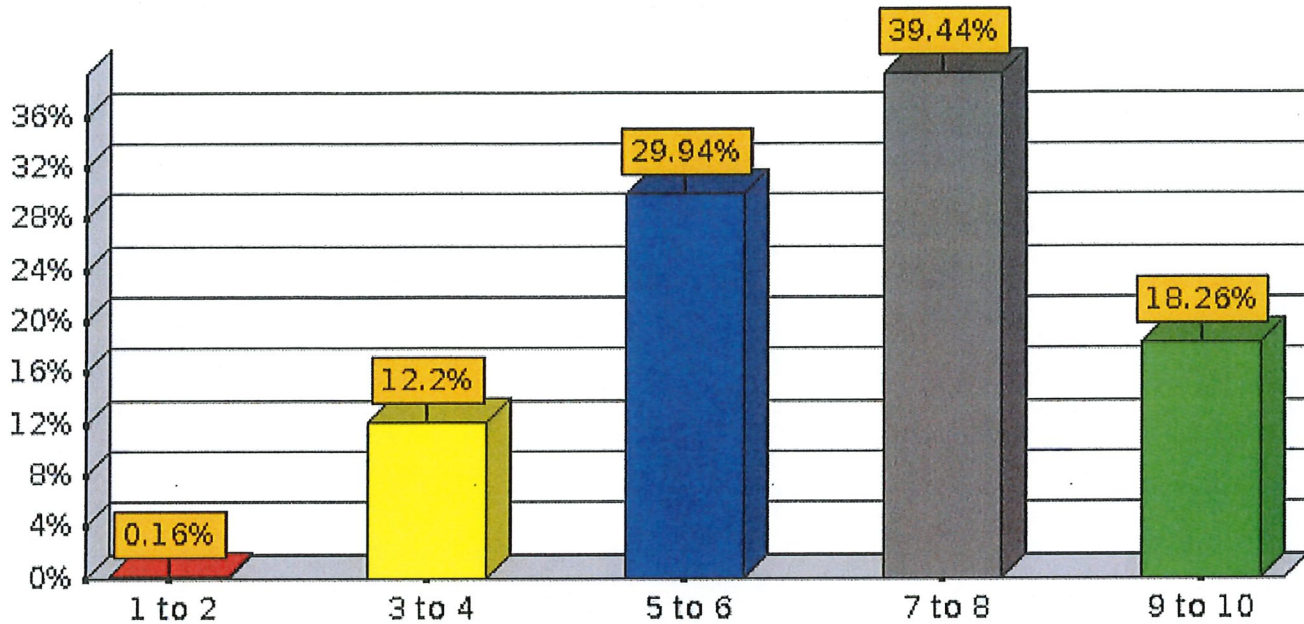
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2021 - 2023

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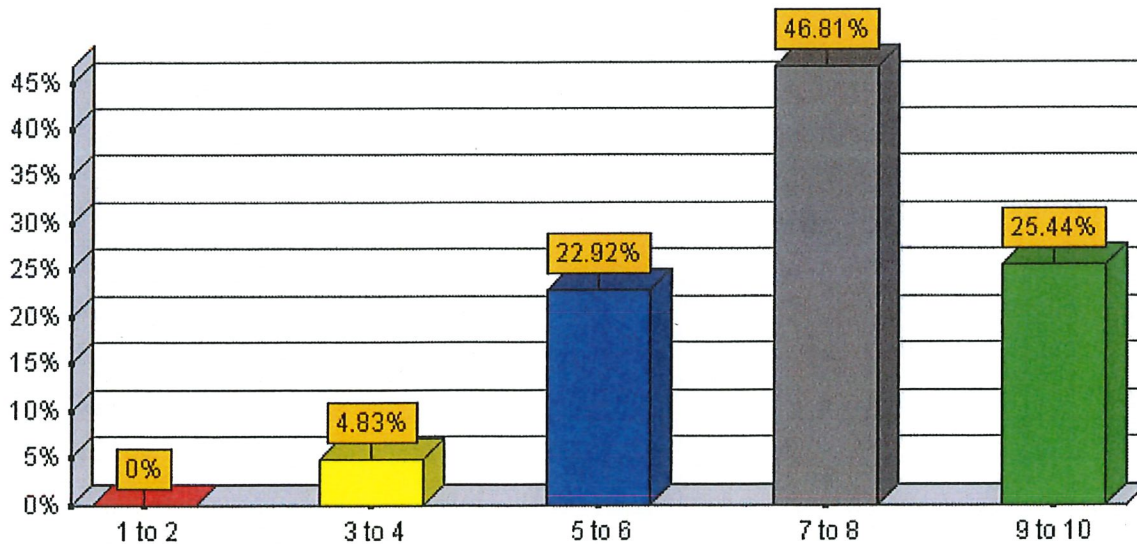
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2015 - 2017

Condition Frequency Report - Paved City of Sturgeon Bay

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EXECUTIVE SUMMARY

DATE: December 12, 2022

TITLE: Potential sidewalk improvements to future project on Delaware Street from N 3rd Ave to N 7th Ave.

BACKGROUND: Currently Delaware Street has sidewalks on both sides of the roadway from N 8th Ave to N 6th Place, and partial sidewalk on the south side of the roadway between N 4th Ave & N 3rd Ave. When Delaware Street is improved there will be a full reconstruction of the roadway from N 3rd Ave to N 6th Ave (due to sewer & water upgrades), and a mill & pave project from N 6th Ave to N 8th Ave.

Over the past several years requests have been made to review the feasibility of adding sidewalk to the roadway between N 3rd Ave & N 6th Place. Between N 3rd Ave & N 4th Ave, and between N 5th Ave & N 6th Place the grades and available ROW would be able to accommodate new sidewalks on the south side of the roadway. However, due to significant grade issues it would not be practical to add sidewalks to the roadway between N 4th Ave & N 5th Ave with the current layout and profile of the roadway.

When the reconstruction project occurs, it would likely be able to allow for sidewalks on the south side of the roadway by moving the south curb line north 5'-0" from N 3rd Ave to N 5th Ave. Currently the roadway in this area is 2' wider than the remaining roadway to the east. Therefore, the southern offset in the curbs at N 5th Ave would be reversed but remain minor. Without this change in the location of the south curb line it would be very unlikely to ever see sidewalk added along this portion of Delaware Street.

Due to Delaware Street already existing and having curb & gutter typically a replacement project would be completed without any special assessments. However, the portions of the project where the sidewalks are added would typically receive a special assessment for only the added sidewalks. Prior to spending time developing plans and cost estimates, staff wanted to verify that the proposed improvements are desirable and should be pursued.

FISCAL IMPACT: To be determined. However, the cost should be minimal to the City of Sturgeon Bay if special assessments are issued for the new sidewalks added. The portions of the project that would be receiving the biggest changes will already be in the reconstruction areas of the projects.


OPTIONS:

- 1) Instruct staff to pursue the addition of sidewalks on the south side of Delaware Street.
- 2) Instruct staff to replace Delaware Street similar to as it currently exists.

RECOMMENDATION: Staff recommends pursuing the addition of sidewalks on the south side of Delaware Street.

SUBMITTED BY: 
Chad Shefchik, City Engineer

Date: 12-13-22

REVIEWED BY: 
Marty Olejniczak, Community Development Director

Date: 12/13/2022

REVIEWED BY: 
Joshua VanLieshout, City Administrator

Date: 12/13/22



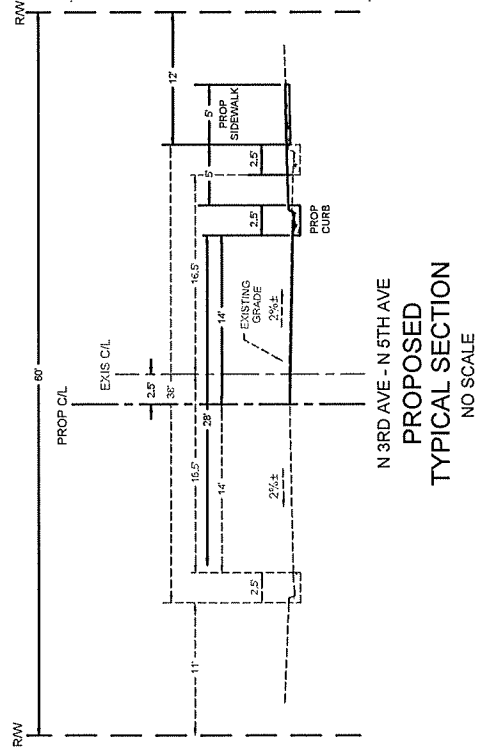
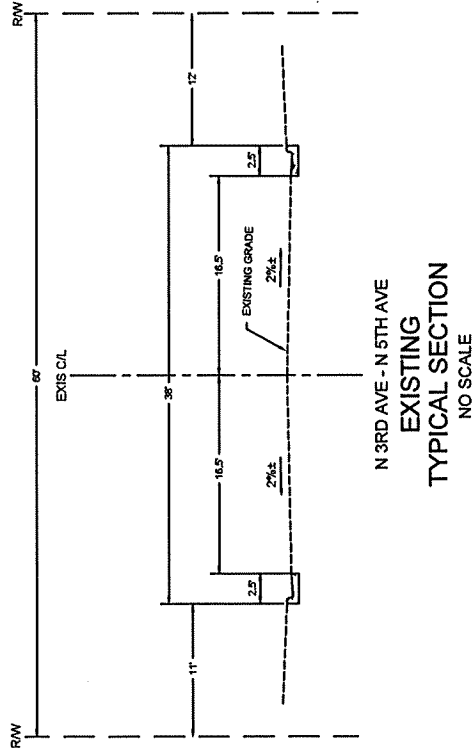
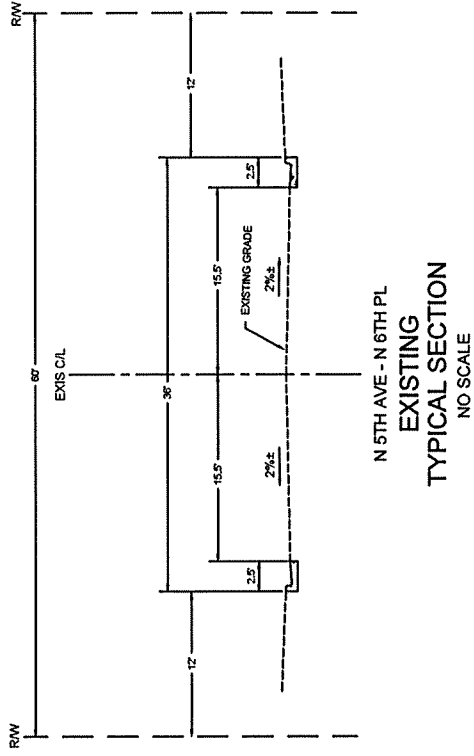
DEC, 2022



Legend

- PROPOSED CURB
- EXISTING SIDEWALK
- PROPOSED SIDEWALK







EXECUTIVE SUMMARY

DATE: December 12, 2022

TITLE: Potential storm sewer & sidewalk improvements to future project on Georgia Street (from N 14th Ave to N 15th Place) and N 15th Place (from Georgia Street to Florida Street).

BACKGROUND: Currently Georgia Street (from N 14th Ave to N 15th Place) and N 15th Place (from Georgia Street to Florida Street) do not have storm sewer or sidewalks. When these roadways are replaced it would be possible to add these improvements with minimal changes.

1) Storm Sewer: No changes to the roadway would be required. The storm sewer, if added, could also branch off to catch water from the Georgia Street extension added in 2016. In addition, the storm sewer could also extend to connect with the storm sewer that currently terminates at the intersection of N 16th Place & Florida Street. That existing storm sewer does not currently connect to anything. When the system fills it overflows out of the last catch basin and the water then surface flows down the street until ultimately getting recollected at the N 14th Ave & Georgia Street intersection.

2) Sidewalk: Along Georgia Street sidewalks could be added to the north side of the roadway by moving the north curb line south 1'-0". No changes would be required to add sidewalks to the south side of N 15th Place.

Due to these streets already existing, and having curb & gutter, typically a replacement project would be completed without any special assessments. However, the portions of the project where the storm sewer & sidewalk improvements are added would typically receive a special assessment for only the new improvements. Prior to spending time developing plans and cost estimates, staff wanted to verify that the proposed improvements are desirable and should be pursued.

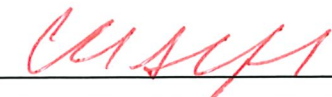
FISCAL IMPACT: To be determined. However, the additional cost should be minimal to the City of Sturgeon Bay if special assessments are issued for the new storm sewer & sidewalks added.

OPTIONS:

- 1) Instruct staff to pursue the addition of the storm sewer & sidewalks.
- 2) Instruct staff to pursue the addition of the storm sewer only.
- 3) Instruct staff to pursue the addition of the sidewalks only.
- 4) Instruct staff to replace the roadways similar to as they currently exist.

RECOMMENDATION: Staff recommends pursuing the addition of storm sewer and sidewalks on Georgia Street and N 15th Place.

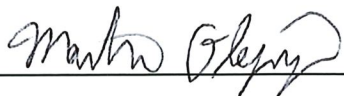
SUBMITTED BY:



Chad Shefchik, City Engineer

Date: 12-13-22

REVIEWED BY:



Marty Olejniczak, Community Development Director

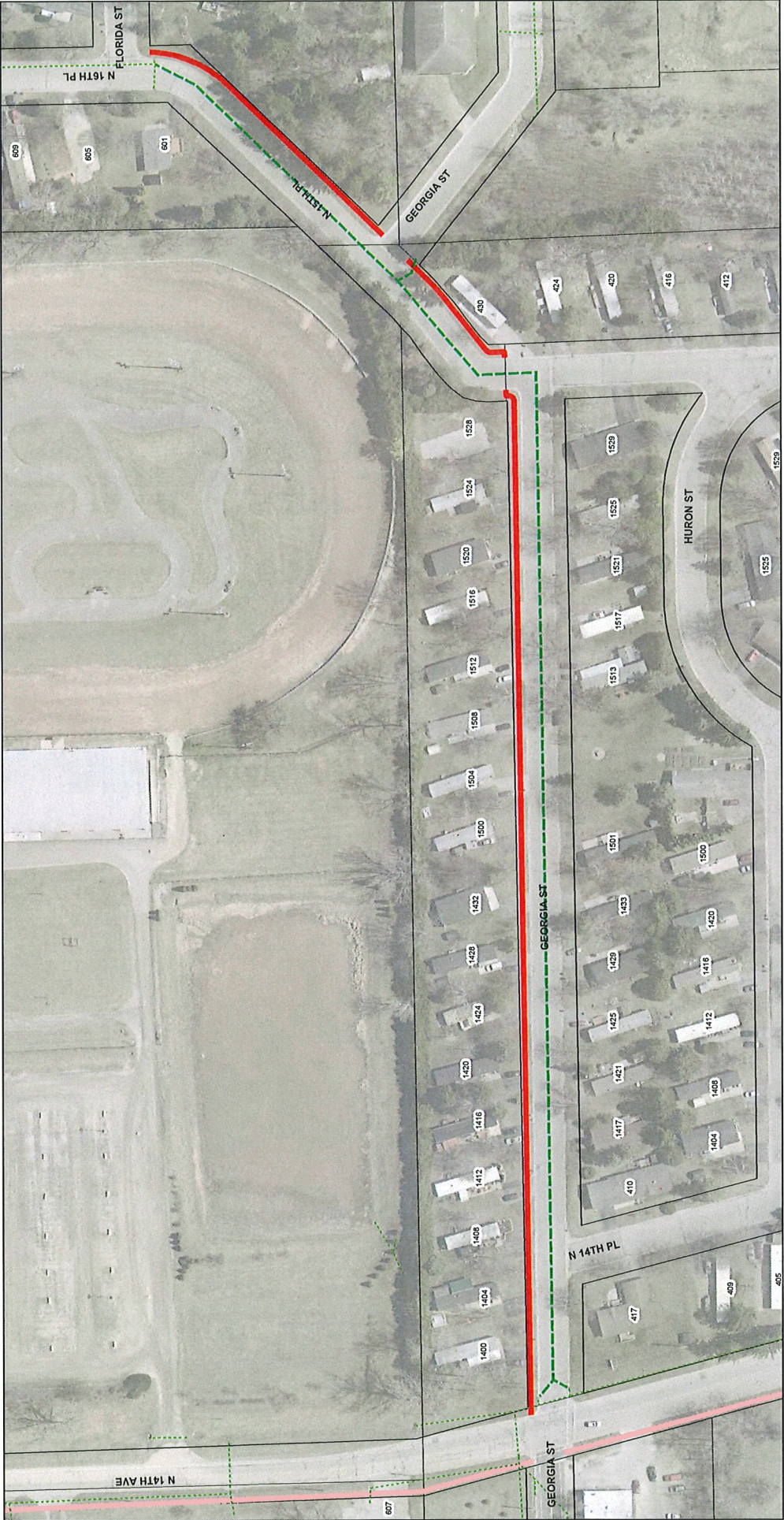
Date: 12/13/2022

REVIEWED BY:



Joshua VanLieshout, City Administrator

Date: 12/13/22



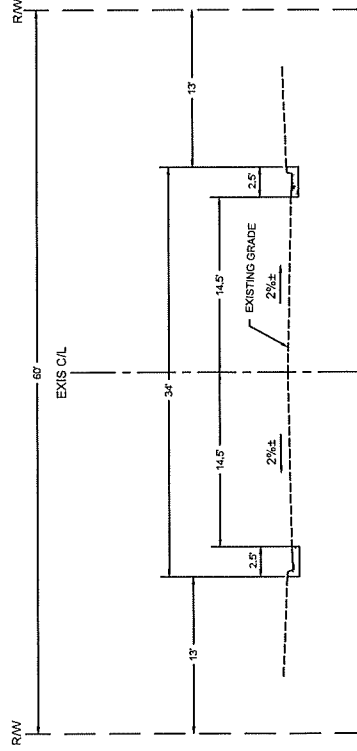
DEC, 2022



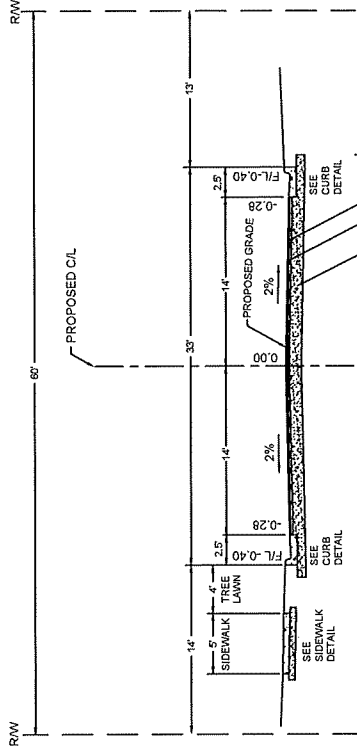
Legend

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SIDEWALK
- PROPOSED SIDEWALK



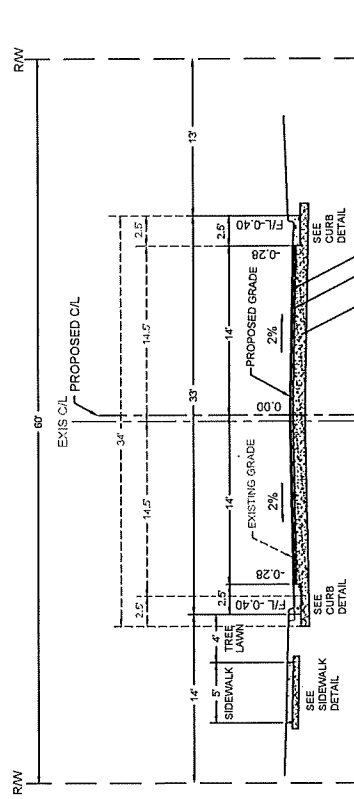


EXISTING
TYPICAL SECTION
NO SCALE



PROPOSED
TYPICAL SECTION
NO SCALE

1" MINIMUM 1 1/2" DENSE GRADED BASE. SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF AGGREGATE. WHEN DIRECTED BY ENGINEER, ANY FUTURE SUBGRADE SHALL BE REMOVED AND REPLACED WITH CRUSHED AGGREGATE OR BREAKER RUN.



PROPOSED
TYPICAL SECTION
NO SCALE

1" MINIMUM 1 1/2" DENSE GRADED BASE. SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF AGGREGATE. WHEN DIRECTED BY ENGINEER, ANY FUTURE SUBGRADE SHALL BE REMOVED AND REPLACED WITH CRUSHED AGGREGATE OR BREAKER RUN.

EXECUTIVE SUMMARY

DATE: December 12, 2022

TITLE: Potential sidewalk improvements to future project on Memorial Drive (from S 12th Ave to S 15th Ave) and S 15th Ave (from Memorial Drive to Utah Street)

BACKGROUND: At a Parking & Traffic Committee meeting on June 28, 2021 the committee voted to have staff pursue completion of the missing sidewalk sections along Memorial Drive and S 15th Ave that are shown on the attached map. In 2023 there will be a new LRIP Grant cycle that will be providing grants similar to the one received for the 2023 Michigan Street Project. The grant that will be applied for will include a mill & pave project for Memorial Drive from S 9th Ave to S 15th Ave. When applying for this grant a resolution from the Common Council is required for any new pedestrian improvements that are to be added.

Whether or not the missing sidewalk sections are added the City of Sturgeon Bay will be able to apply for the grant. However, completing these gaps in the sidewalk network would likely improve the City's chances of receiving a grant. Therefore, staff wanted to verify that the proposed improvements are desirable and should be pursued. If so staff will work to present the required resolution to the Common Council in the first half of 2023 so that it is available when the grant application is due in the later part of 2023.

FISCAL IMPACT: To be determined. However, the cost should be minimal to the City of Sturgeon Bay if special assessments are issued for the new sidewalks added and everything is completed in conjunction with the mill & pave project.

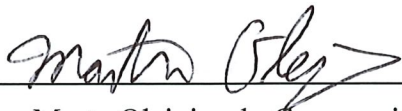
OPTIONS:

- 1) Instruct staff to pursue a grant application that includes the additional sidewalk areas.
- 2) Instruct staff to pursue a grant application that does not include the additional sidewalk areas.


RECOMMENDATION: Staff recommends pursuing a grant application that includes the additional sidewalk areas on Memorial Drive & S 15th Ave.

SUBMITTED BY: 
Chad Shefchik, City Engineer

Date: 12-13-22

REVIEWED BY: 
Marty Olejniczak, Community Development Director

Date: 12/13/2022

REVIEWED BY: 
Joshua VanLieshout, City Administrator

Date: 12/13/22



DEC, 2022



Legend

EXISTING SIDEWALK

PROPOSED SIDEWALK

