



City of Marshfield Public Informational Meeting for



2020 Mill-in-place



2020 Construction

Engineering Division Contacts



Tom Turchi
City Engineer



Tim Cassidy
Assistant City
Engineer



Josh Mauritz
Civil Engineer II



James Perton
Civil Engineer I



Lance Oldham
Engineering
Tech II



Shawn Miller
Engineering
Tech II

Phone: (715) 486-2034 - Web Site: ci.marshshfield.wi.us - tom@ci.marshfield.wi.us



Street Division Contacts



Kris Hawley
Street Superintendent



Kurt Bornbach
Assistant Street
Superintendent

Phil Schmidt
Assistant Street
Superintendent

Phone: (715) 486-2081 - Web Site: ci.marshfield.wi.us



Ash Avenue

Becker Road to Franklin Street

This project has been delayed
until 2021.

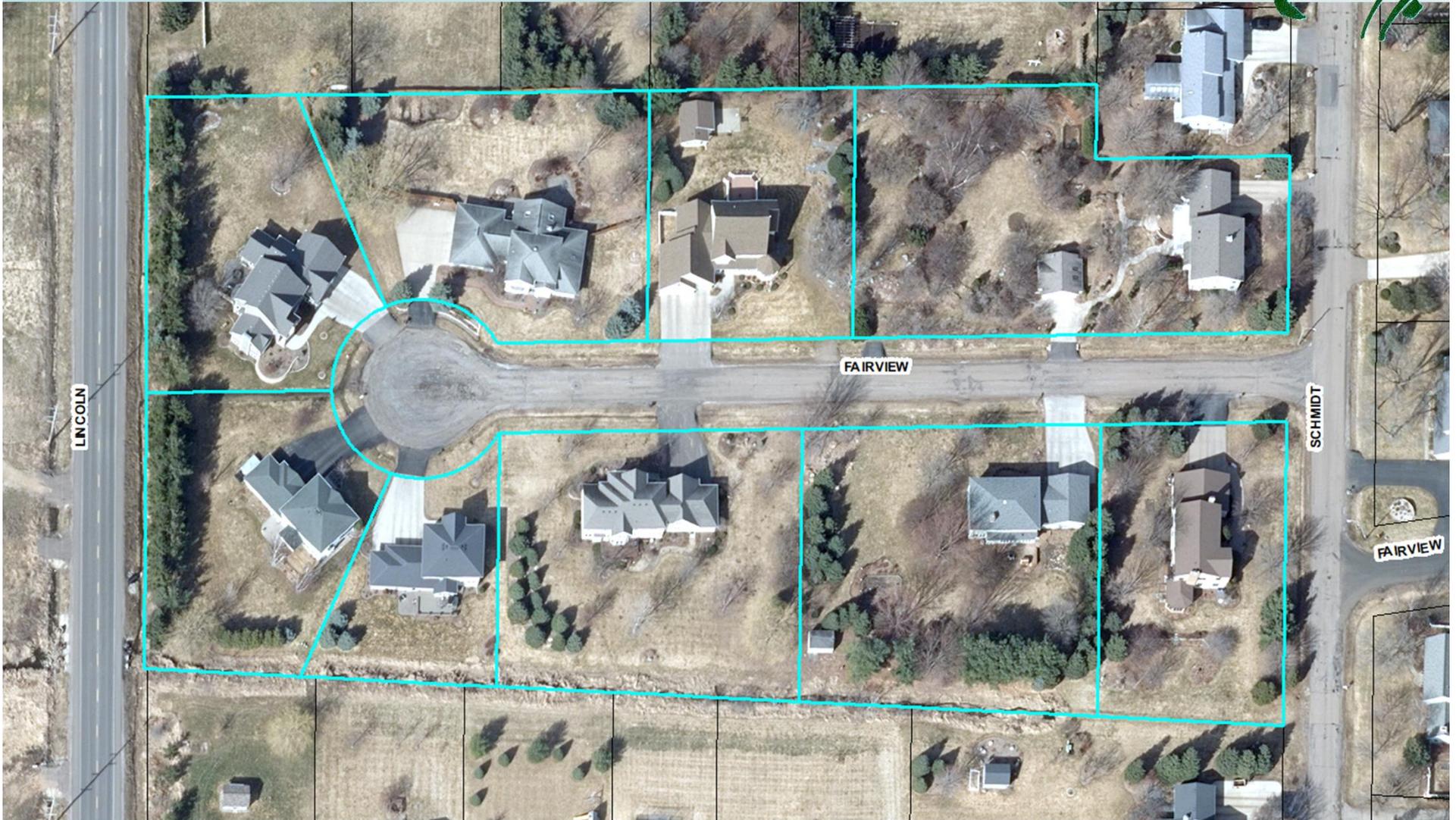


Under Construction
Shaping this weekend
Paving is scheduled
For June 11 - 12

1



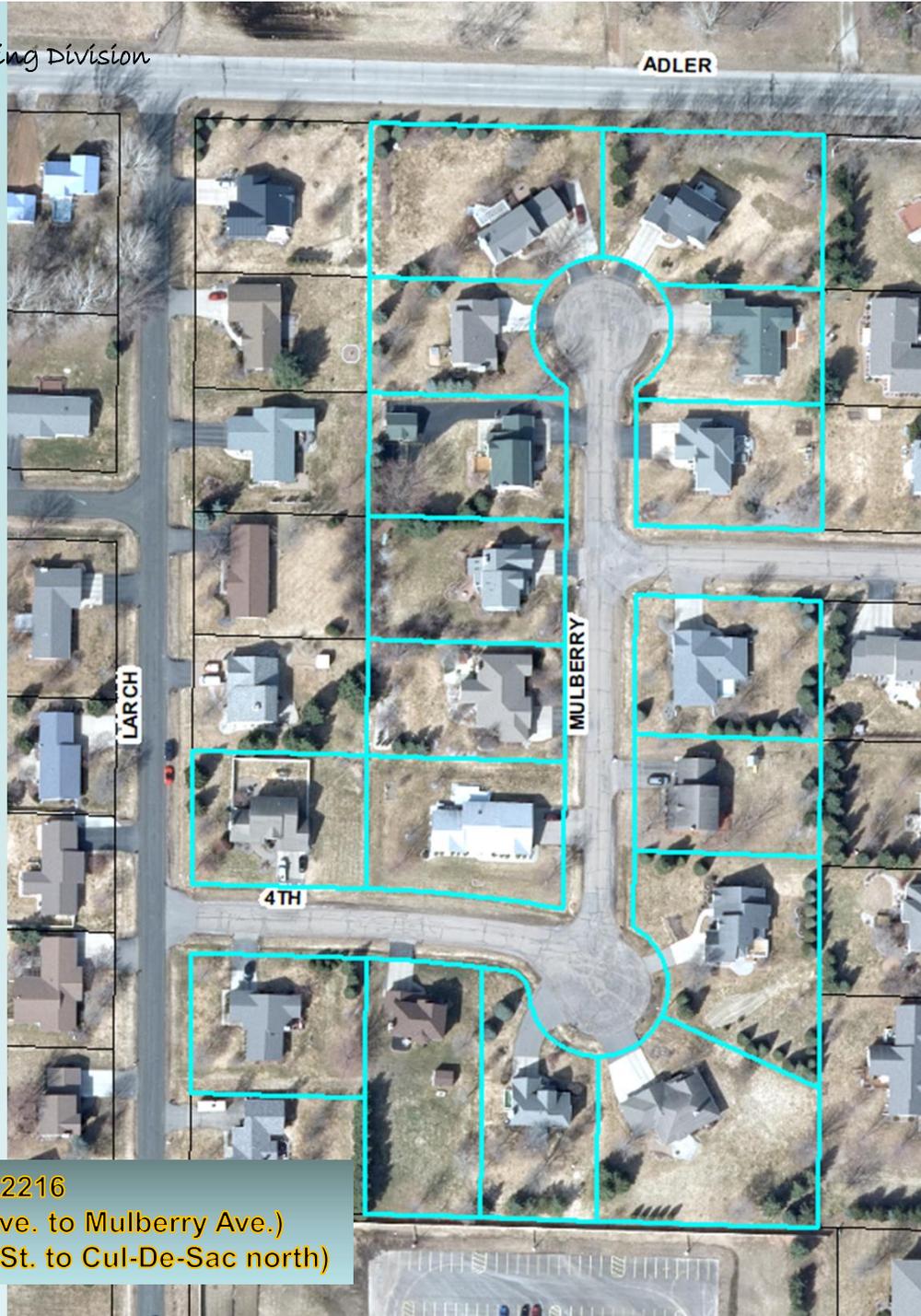
312304 – North Hills Avenue (Chapel Street to Wood Avenue)
North Hills Avenue (Upham Street to Chapel Street)
Wood Avenue (Upham Street to McMillan Street)



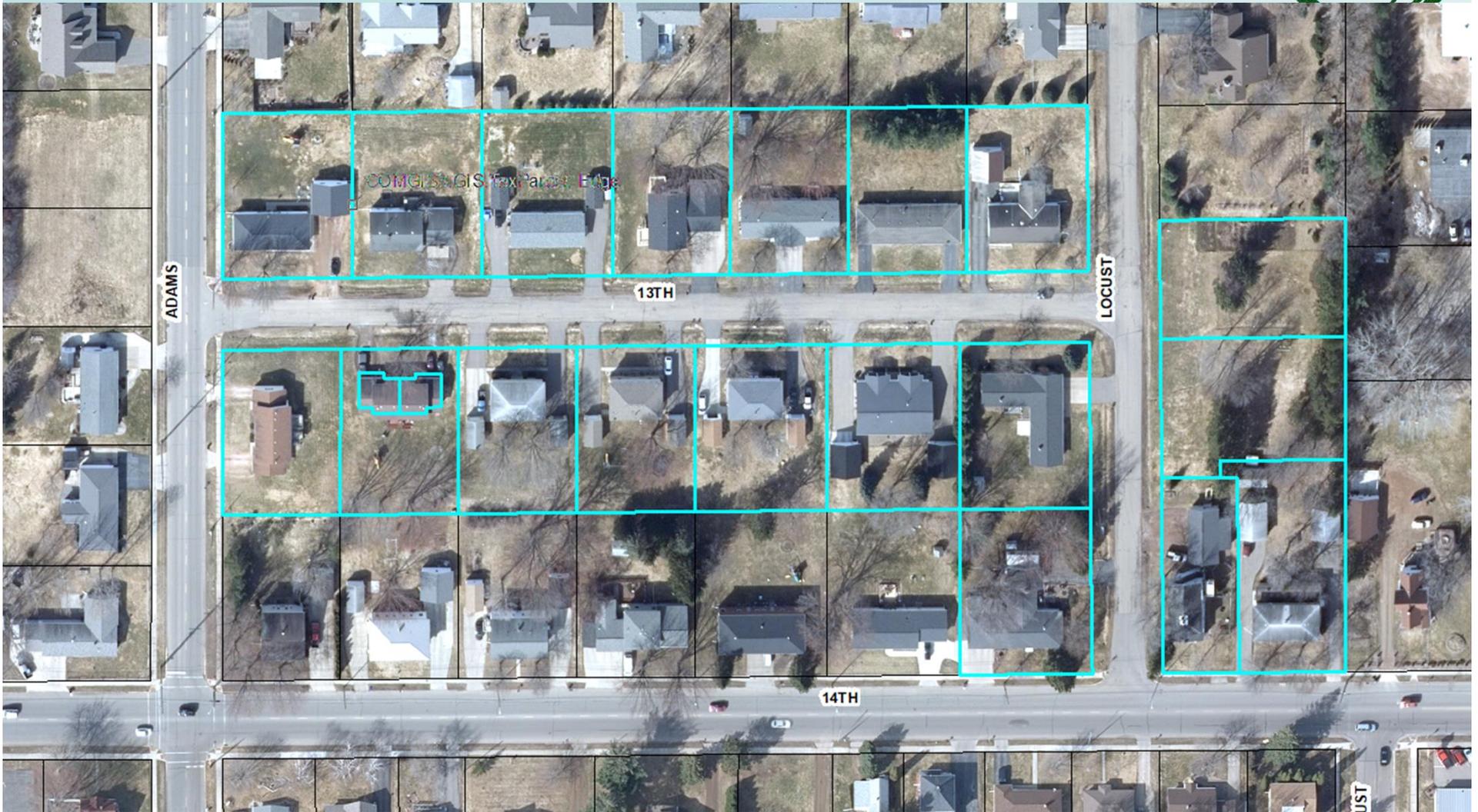
312216
Fairview Street (Schmidt Avenue to the West)

Start Wednesday, June 10th

2

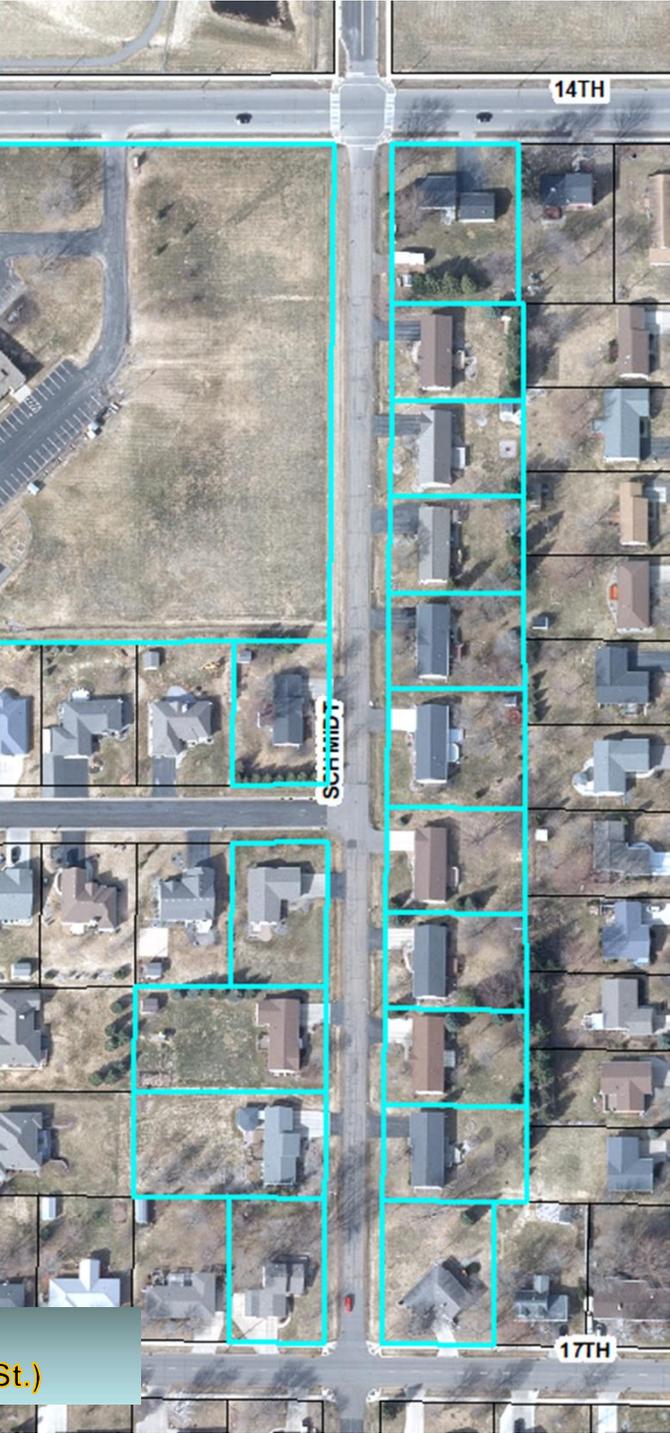


312216
4th Street (Larch Ave. to Mulberry Ave.)
Mulberry Avenue (4th St. to Cul-De-Sac north)



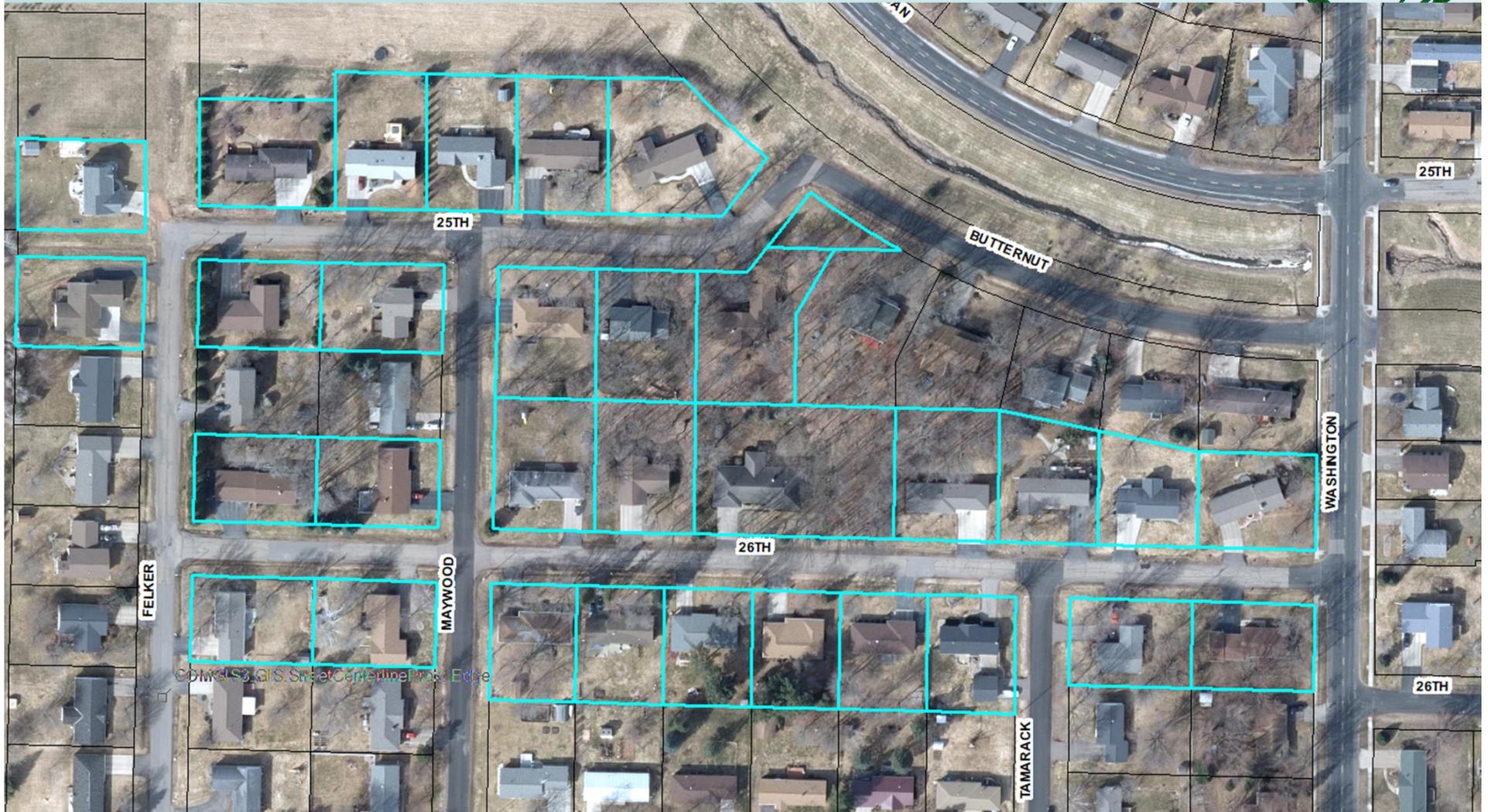
312216

13th Street (Adams Ave. to Locust Ave.)
Locust Avenue (13th St. To 14th St.)



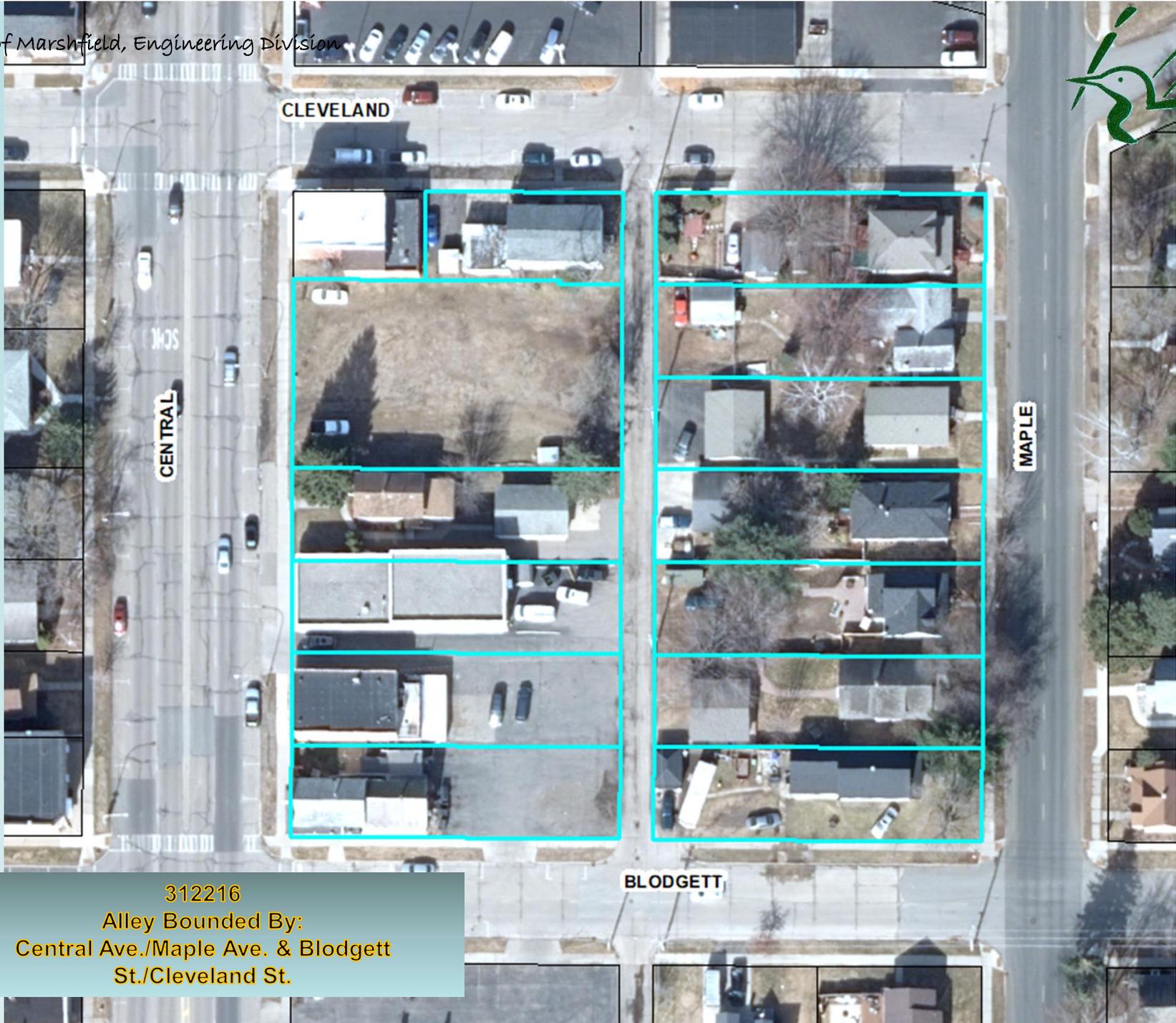
5

312216
Schmidt Avenue (14th St. to 17th St.)



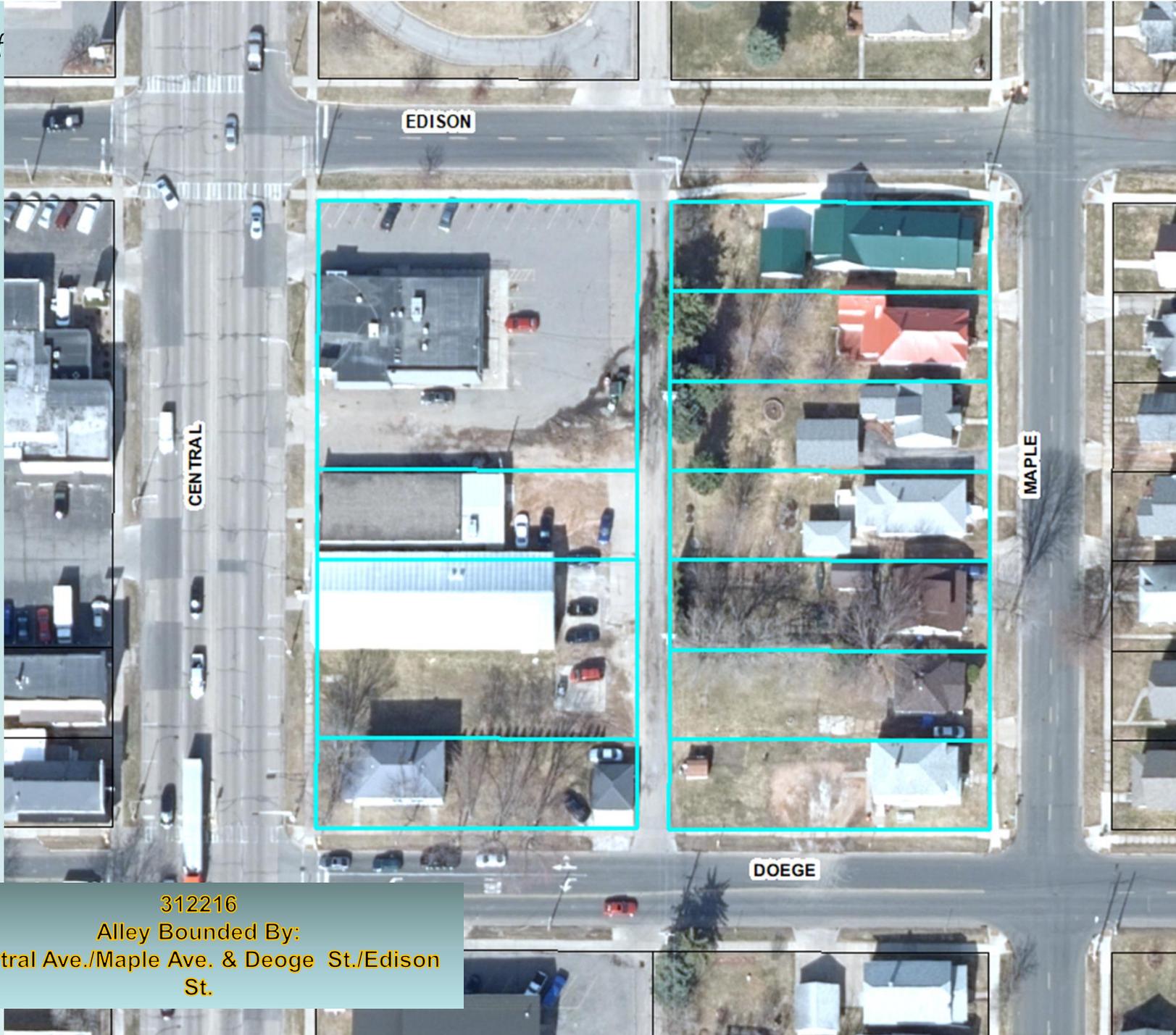
312216

25th Street (Felker Ave. to Butternut Pkwy.)
26th Street (Felker Ave. to Washington Ave.)

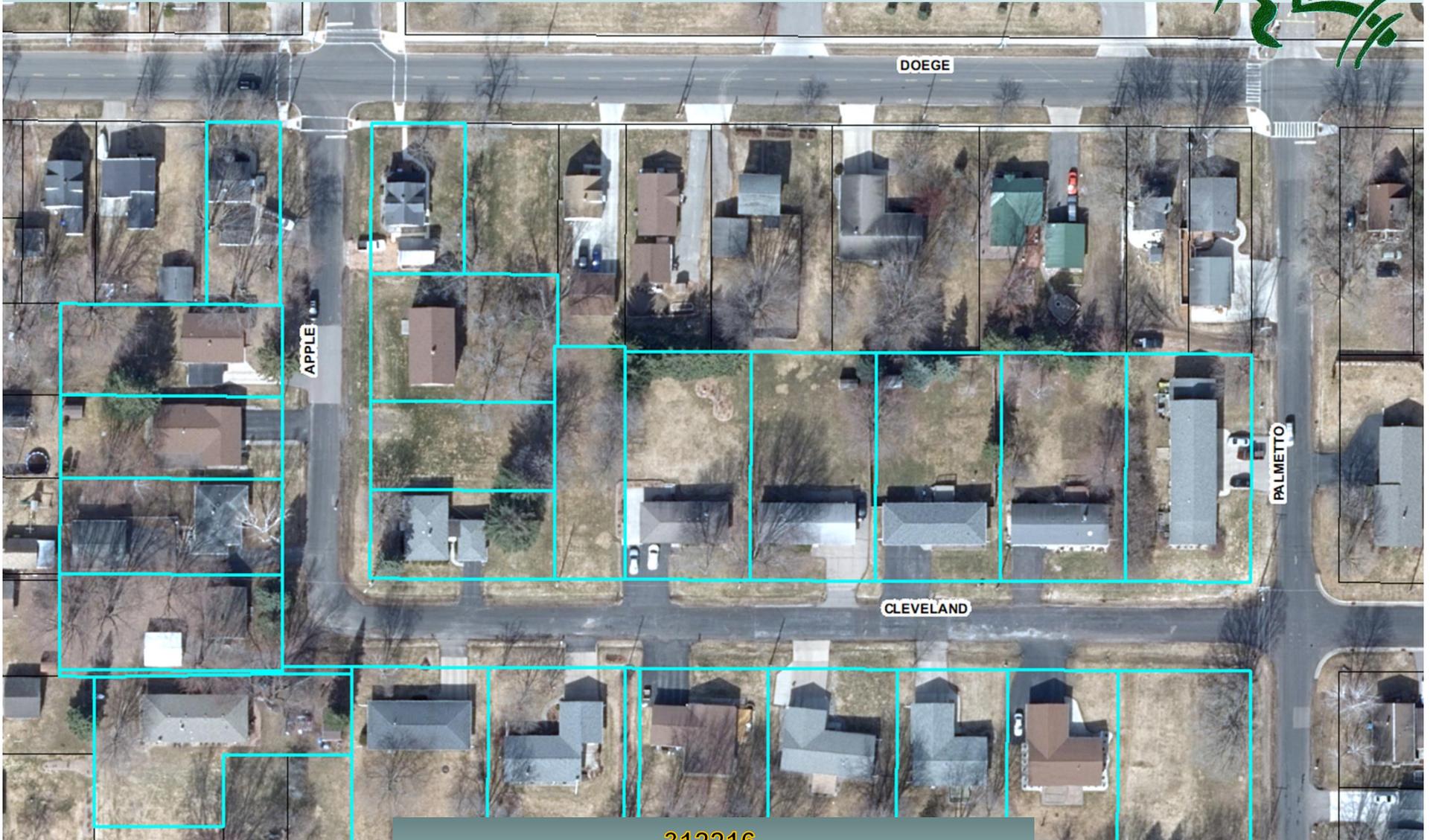


312216
Alley Bounded By:
Central Ave./Maple Ave. & Blodgett
St./Cleveland St.

city of



312216
Alley Bounded By:
Central Ave./Maple Ave. & Deoge St./Edison
St.



312216

Apple Avenue (Doege St. to Cleveland St.)
Cleveland Street (Apple Ave. to Palmetto Ave.)

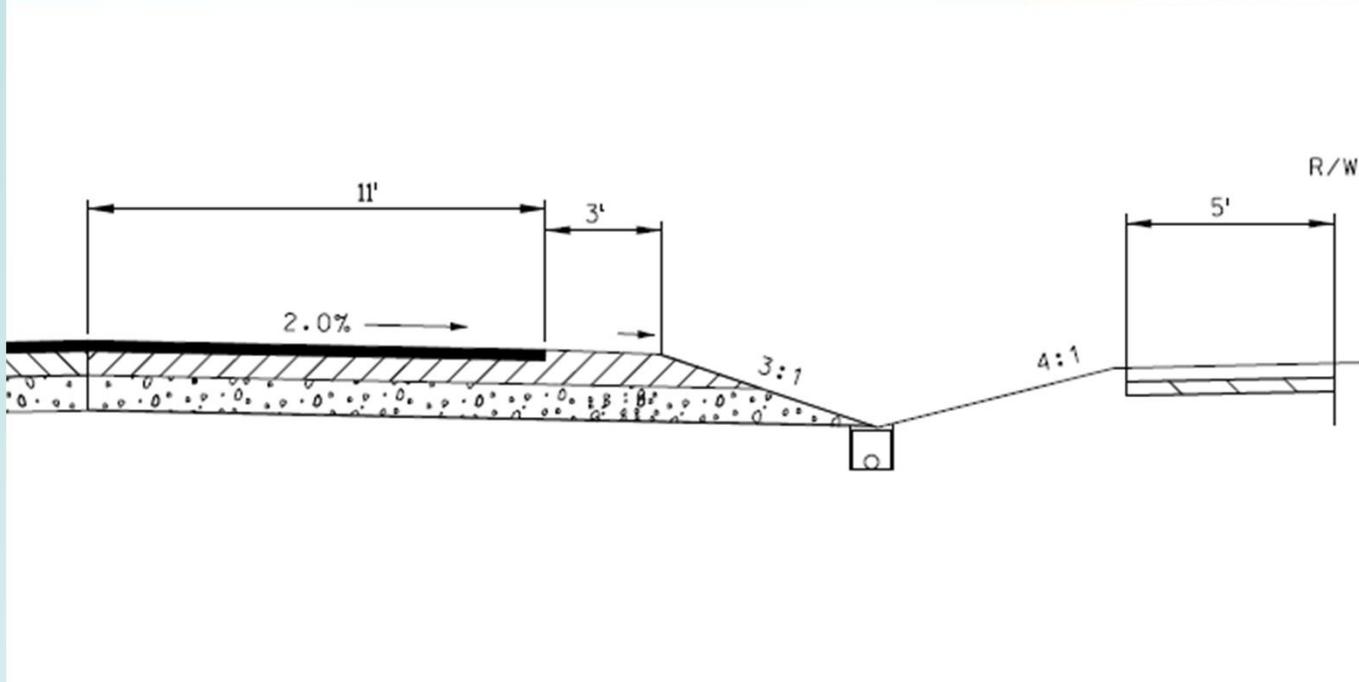


312216
Hume Ave. (Blodgett St. to Fillmore St.)



Typical Progression of Events

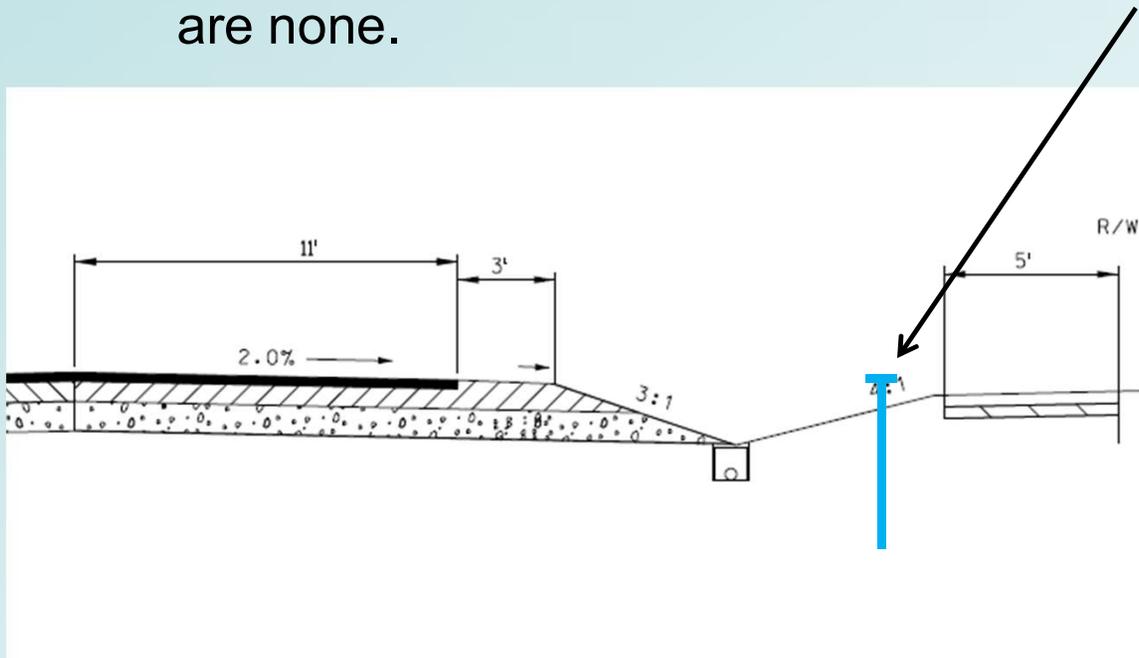
- Ditching & Underdrain





CURB STOPS

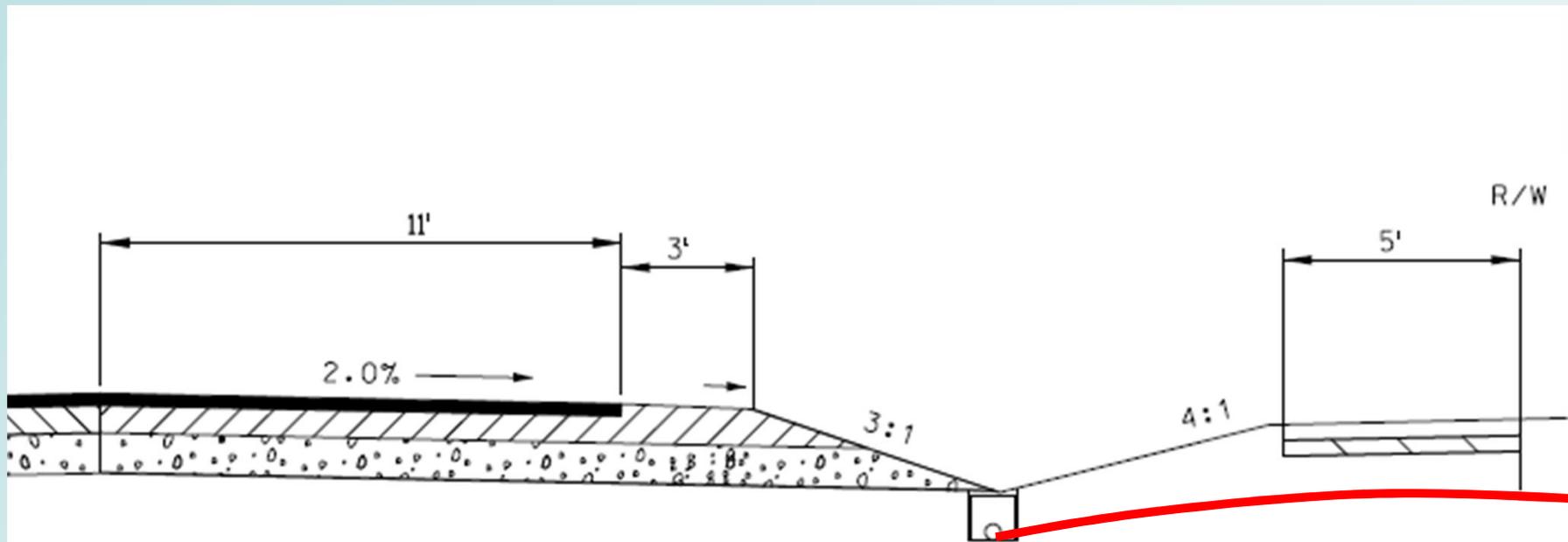
- Marshfield Utilities – Service rules state that the Curb Box belongs to the property owner.
- If the top of the Curb Stop is higher than the ditch it is up to the homeowner to make adjustments to the height if they so choose.
- If the Street Division Damages the **Curb Stop** while doing our work we will repair it.
- Ash Avenue & 26th Street – Curb Stops will be installed where there are none.





Typical Progression of Events

- Ditching & Underdrain

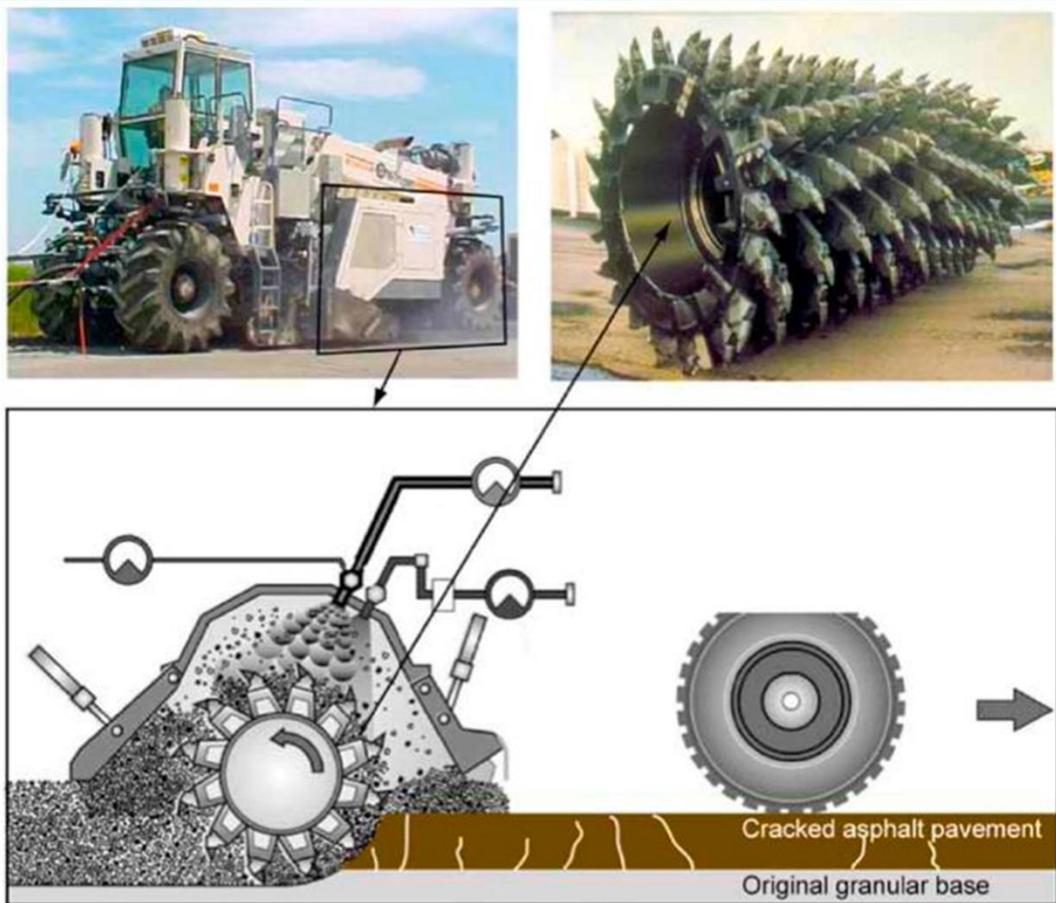


Please note: we can connect sump pump drains to the under drain system but, downspouts and yard drains can not be connected to the under drain as these will exceed the capacity of the system and the debris from these types of drains will plug the under drain.



Typical Progression of Events

- Pulverizing





Typical Progression of Events

- Grading & Compacting





Typical Progression of Events

- Raise / adjust manholes





Typical Progression of Events

- Asphaltic Paving





Typical Progression of Events

- Shouldering





Construction Schedule

- Kurt Bornbach, Assistant Street Superintendent
 - *Kurt is the person with the answers for the MIP project **schedules***
- Ditching and under-drain construction
- Pulverizing – this is based upon the schedule of equipment.
- Adjust manholes.
- Prepare for paving – sometime in August before school is in session.
- Shouldering following the paving – August / September
- Both - Pulverizing and Paving are extremely fluid schedules. We typically know about one to two weeks ahead of time for their schedule. Even then the schedule can be disrupted very easily if it rains.
- Door hangers are typically used to notify residents of forthcoming work such as Milling and Paving.



Sequence of Events

- Adoption of budget (November).
- Survey (August / September).
- Initial PIM (Feb).
- Preliminary resolution (January).
- Design
- Mail Special Assessment information (April) –
 - Notice of public hearing.
 - Installment assessment notice.
 - Report of the City Engineer.
 - Schedule 'D' including estimated special assessments.
- PIM – 90% Design & Special Assessments.
- Final Plan Review.
- Construction begins.
- Create final special assessments (next January).
- Mail final special Assessments (next March).



Access Considerations

- We would like to know if you or your neighbor may require special access during construction due to a disability.
- Do you or your neighbor receive meals on wheels or other services that should be considered during the design process.
- Our goal is to try to be accommodating as possible during construction. (please note access can not be maintained at all times)
- Parking during construction will be allowed on the side streets when access is restricted for the paving of the new surface. This may result in a day or so without driveway access. Typically during culvert replacement and underdrain installation access may be effected for about 4 hours.



How are services are affected during construction

- **Mail** - The post office will continue providing mail service as normal.
- **Trash & recyclables** – Garbage services will be able to provide service as normal. If disruption occurs the Street Division will work with Advanced Disposal to address the disruption.
- **Water** – This service will not be affected during construction. On Ash Avenue and 26th Street short service disruptions can be expected for Curb Stop installations as necessary.
- **Sanitary** - Sanitary sewer service will not be affected during construction. If you have had issues with your sanitary sewer lateral this would be an appropriate time to make any repairs necessary prior to final paving. I will go through the City's sanitary sewer lateral replacement program.
- **Parking** – Access to your driveway for the mill in place process is only disrupted when resetting or replacing your driveway culvert and while placement of the asphalt pavement. Allowing the asphaltic pavement to cool properly will help in preventing ruts and marring of the surface.
- **Emergency services** – Our office continually updates the City's emergency services to road closures, construction sites and locations of restricted access.



What can you do to prepare for the project?

- Begin financial planning for the assessment.
- Coordinate landscaping, driveway replacement and other construction plans you may have.
- Now would be the opportune time to lengthen a driveway culvert during the construction process. Please note the maximum length allowed by city policy is 40 feet.
- Ask questions; inform staff of your concerns.



Funding

- **Street**

- Pulverizing and paving are assessable items
- Assessments are based upon the ordinances 1/3, 1/3, 1/3.
- 1/3 of the cost for pulverizing and asphalt paving assessed to the homeowners on one side, 1/3 is assessed to the other side of the street and the remaining 1/3 is funded by general tax dollars.

- **Driveway aprons**

- Are assessable.
- Driveways are paved as follows:
 - Gravel Aprons will be restored in asphalt.
 - Asphalt aprons are restored in asphalt.
 - Concrete or brick paver aprons are restored in asphalt.
 - Please note special end wall treatments are not replaced. It is the responsibility of the property owner to remove and replace these end wall structures on their own.
 - Existing Driveway Aprons are graded and a credit is applied towards the new asphalt.

– Gravel	Poor	No Credit
– Asphalt Cracked	Average	50% Credit
– Asphalt no cracks	Very Good	80% Credit
– New Asphalt	New	100% Credit



Funding

- **Ditching**

- Is not assessable.
- This includes the installation of the under drain.
 - Sump Pumps can be connected to the underdrain system.
 - Downspouts and other types of yard drains can not be connected.

- **Culverts**

- The property owner is responsible for the cost associated with the lengthen or replacement of their specific culvert pipe. In some instances if the culvert has no rust holes or is fairly new replacement may not be necessary.
- The City will be supplying the replacement culverts for the mill-in-place projects for those culverts requiring replacement. Costs for the culvert has been added to the special assessments for the road. If the culvert does not require replacement the cost for the culvert will be removed.
 - Culverts will be typically HDPE or dual wall black plastic. If the homeowner requests a metal culvert please provide a written request for a metal pipe and we will make the proper arrangements.



Dual Wall HDPE



Please note if a HDPE (plastic) culvert is used a crack may still return as there is some flex in these plastic culverts.



Galvanized Corrugated Metal Culvert Pipe or Aluminum Culvert Pipe



Sanitary Sewer Lateral Replacement Policy

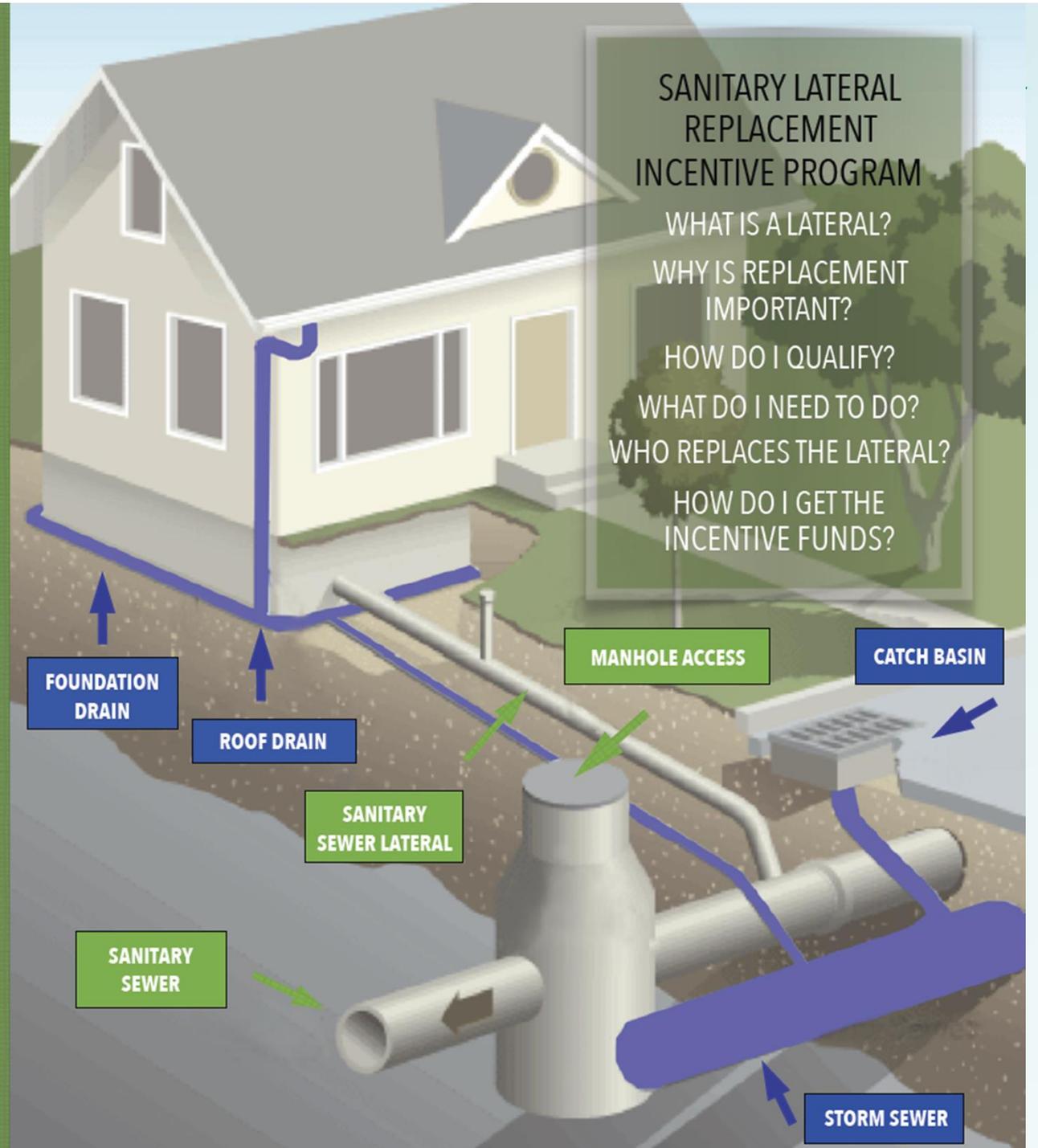
- Now would also be a good time to review the condition of your sanitary sewer lateral.
- The City will televise your sanitary sewer lateral at no cost to the homeowner.
 - Access to the cleanout is necessary
 - If you have had root problems in the past they will need to be removed before the televising can be effective.
- Addressing your sanitary sewer lateral now can save a road cut in the future which in turn helps with the longevity of the new roadway.
- The City has implemented a incentive for lateral replacements. **I will discuss this later in more detail. (Updated for 2019)**
- To schedule the televising please contact the Marshfield Wastewater Treatment Plant at (715) 486-2007.

DID YOU KNOW?

Wastewater is water that goes down the drain from a sink, tub, shower, toilet, floor drain, washing machine and dishwasher. This wastewater flows through your lateral to the City's Sanitary Sewer. The Sanitary Sewer conveys it to the Wastewater Treatment Plant where it goes through extensive treatment to remove impurities in order to return clean water back to the environment.

Stormwater can be rain, snowmelt or groundwater. Examples of stormwater from your home would be water from downspouts, sump pumps, drain tile, egress window drains and yard drains. This water does not need the same level of treatment as wastewater does. A separate stormwater sewer conveys this water to settling ponds where sediment is removed in order to return clean water back to the environment.

City of Marshfield
Public Works Department
207 W. 6th St.
Marshfield WI. 54449
715-486-2034
November 2019



WHAT IS A LATERAL?



A sanitary sewer lateral is an underground pipe that is part of your home's plumbing. It conveys wastewater from your home to the City's sanitary collection system.

A homeowner is responsible for their lateral from the house including underneath their floor

to the City's sanitary collection system.

The homeowner is also responsible for the connection of the lateral to the City's sanitary main.

Laterals are made of many different materials, none of which last forever. PVC is the newest material and has the longest life.

WHY IS REPLACEMENT IMPORTANT?

Your sinks, tubs, toilets, dishwashers and floor drains all use your sanitary lateral to reach the sanitary sewer system.



Defects or roots in your lateral can cause a blockage and wastewater to back up in your basement. Old and defective laterals are not watertight which can cause groundwater contamination. Leaks can also allow groundwater into your lateral contributing to excessive flows and sewer backups during rain events.

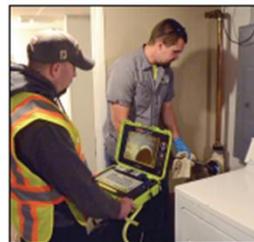
HOW DO I QUALIFY?

Each year the City of Marshfield rebuilds the surface of many street sections. The utilities underneath the road are inspected to reduce the number of road patches in the new surface in the future. The Wastewater Division inspects the sanitary mains and manholes and the remaining link is the homeowner's lateral. Each homeowner will be notified if they live on a street project for the upcoming summer.



All homeowners on the street will have an opportunity to have their lateral inspected by the Wastewater Division of the City of Marshfield's Public Works Department at no cost. If there is a need to replace the sanitary lateral the property owner will get a \$1000.00 to help with the cost.

WHAT DO I NEED TO DO?



Call the Wastewater Treatment Plant (715) 486-2007 to schedule a day and time for televising your lateral.

Scheduled inspections are offered Monday through Friday, 7:30 AM through

2:00 PM. Inspections typically take about 30 minutes to complete.

Two City Wastewater operators will need access to your basement with a lateral camera. The sewer clean-out cover is removed and a camera is pushed down the lateral while a display screen shows the inside of the pipe. The lateral video is recorded and a condition report is generated.

WHO REPLACES THE LATERAL?

If the lateral needs replacement, the homeowner contacts a plumbing contractor of their choice. The homeowner and the City plumbing inspector will work together on permits, methods to replace and project timing. On street projects, replacement needs to be completed before the new street surface is put in.



HOW DO I GET THE FUNDS?

MARSHFIELD	010011
DATE DEC 31, 2019	
PAY TO THE ORDER OF Homeowner	\$ 1000.00
One Thousand Dollars	100 DOLLARS
MEMO Lateral Replacement	Wastewater Division

The Wastewater Division offers an incentive program for homeowner's that replace their entire lateral. The

replacement must be from the foundation of the house to the sanitary main, including the connection to the sanitary main.

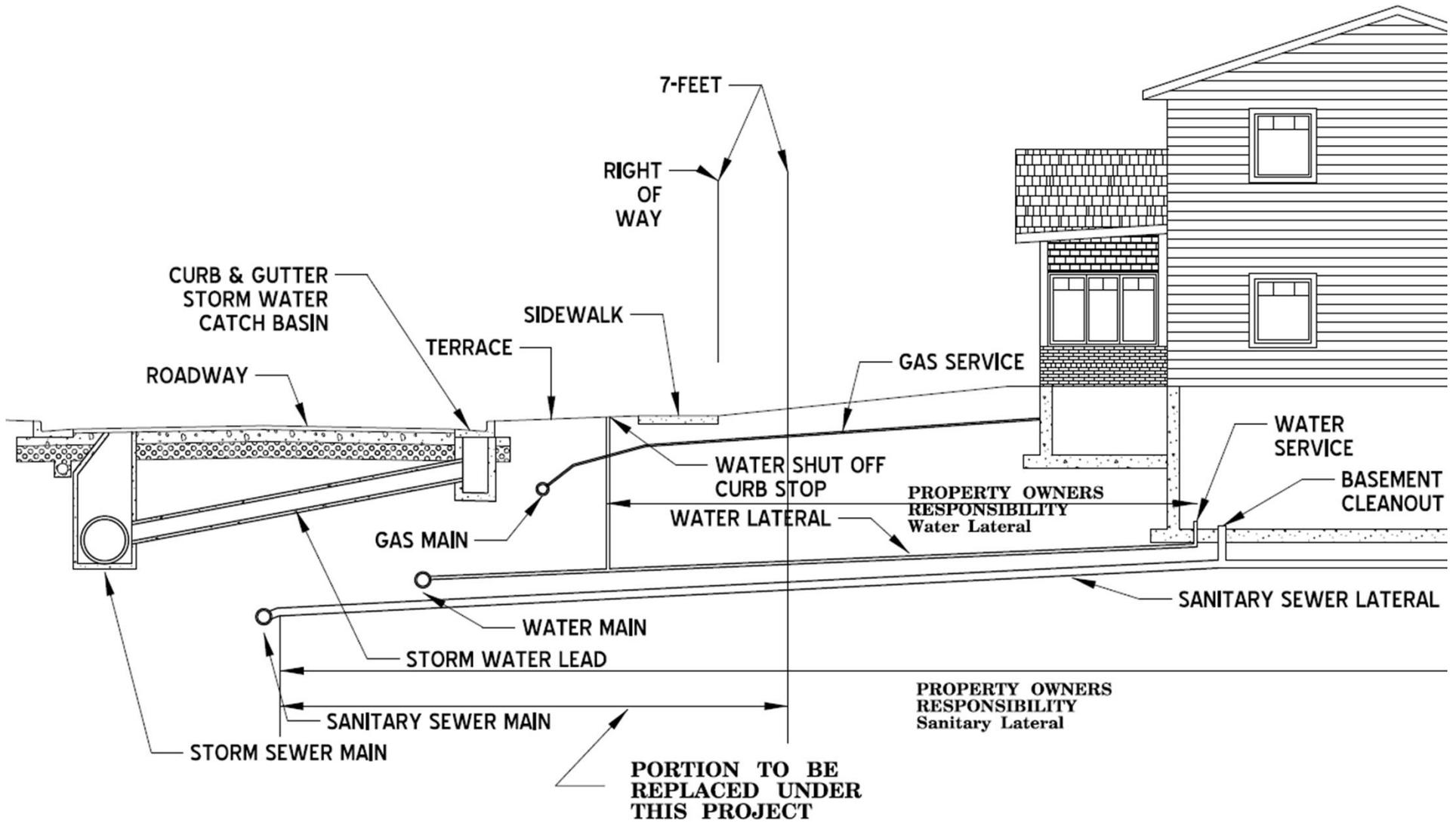
The homeowner pays the plumber for the cost of replacement. The Wastewater Division then provides a \$1,000 check to the homeowner to help offset the cost.

Any sanitary lateral special assessments for the street project will also be waived.

The plumbing inspector and Wastewater Division handle all the paperwork.



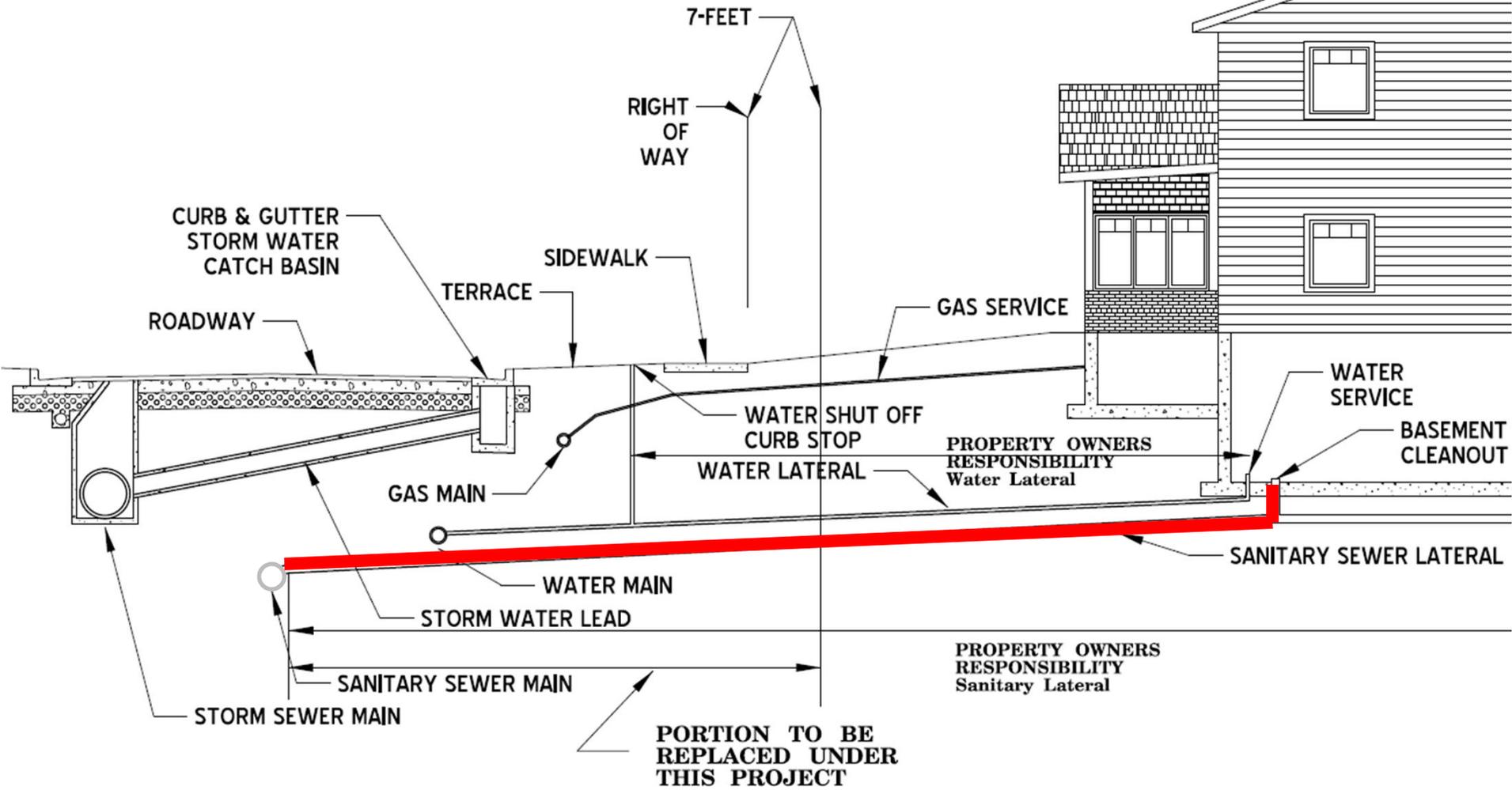
Sanitary Sewer Service Replaces as a part of this project



Current Policy for Sewer Lateral replacement



The City will issue a check for \$ 1,000.00 as part of the incentive prior to paving





Example of how Special Assessments are calculated

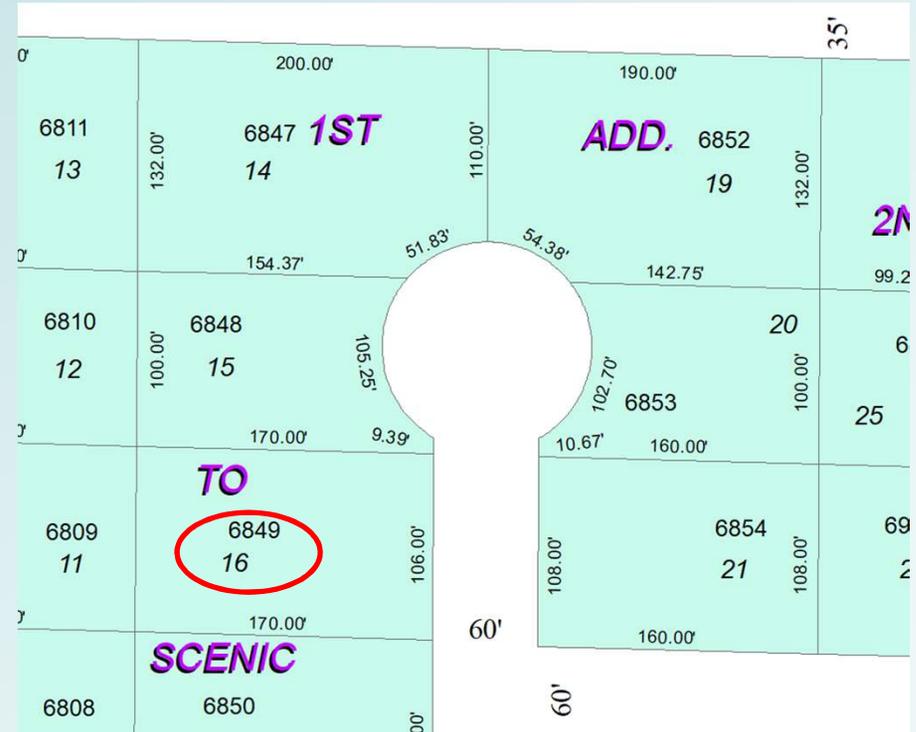
- **Frontage**
 - This is the actual front measurement of the parcel.
- **Sideage**
 - If the parcel is a corner lot the side measurement is prorated to 50% the front foot rate for residential properties and 75% the front foot rate for all other uses..
- **Culvert**
 - The actual cost for the culvert used will be assessed to property owner.
- **Example shown**
 - Frontage is 110 linear feet
 - $110 * 15 = \$ 1,650$
 - Sideage is 130 linear feet
 - $130 * 15 * .5 = \$ 975$
 - Culvert 12 – inch diameter 30 feet long
 - $30 * 12 = \$ 360$
 - Assume both the front and side are being milled.
 - Total Special Assessment for street work = \$ 2,985
 - ***This Assumes the front foot rate of \$15.00 / Linear Foot***





Example of how Special Assessments are calculated on Cul-De-Sac Streets

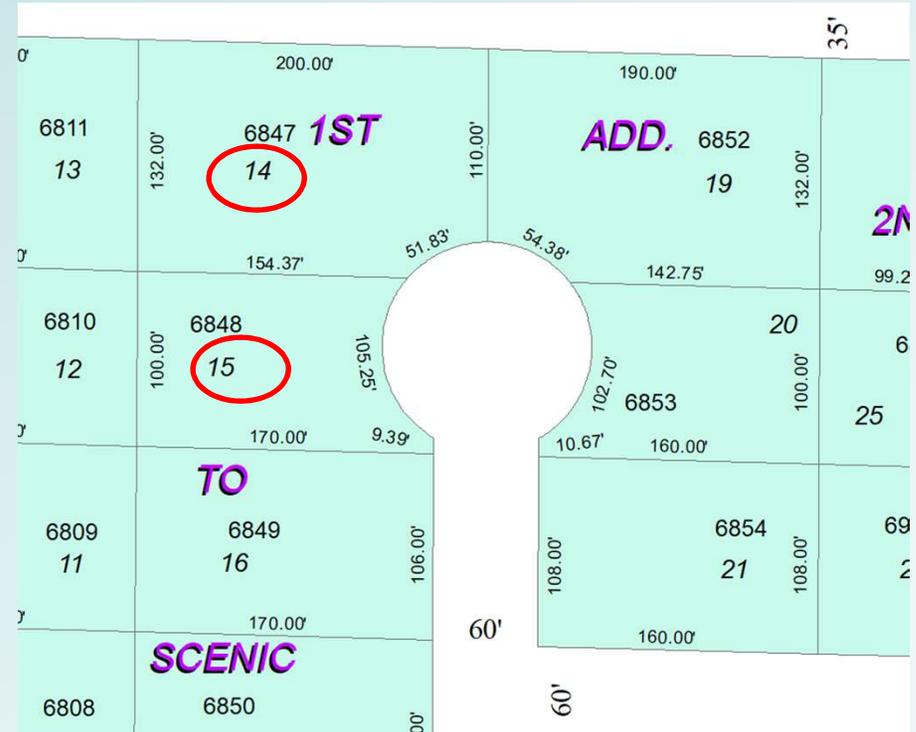
- **The City of Marshfield, Municipal Code**
- 13-96 (2)(b)
- Where the project involves a cul-de-sac or different types of construction on the same project, the procedure in subsection (2)(a) of this section may be modified to more accurately determine the benefits accruing to each parcel of abutting property. In such case the total assessments levied shall not exceed 66.67 percent of the total cost of construction as determined in subsection (2)(a) of this section.
- **Equivalent Frontage / Sideage are calculated as Follows:**
 - **A typical lot from the neighborhood is selected, in this example**
 - Lot 16 is – 106.00' width by 170.00' depth = 18,020 SF.





Example of how Special Assessments are calculated on Cul-De-Sac Streets

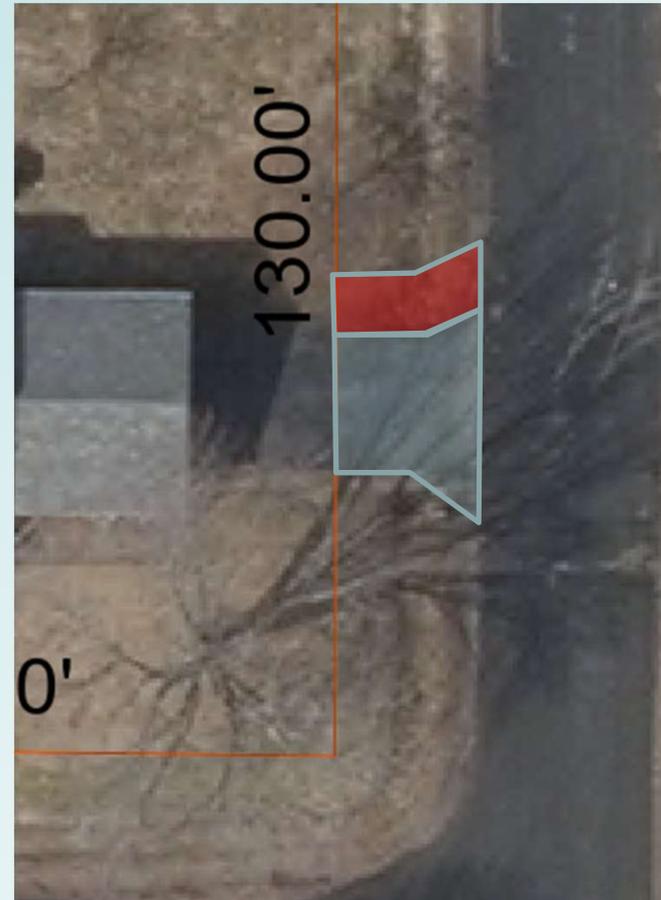
- **The City of Marshfield, Municipal Code**
- 13-96 (2)(b)
- Where the project involves a cul-de-sac or different types of construction on the same project, the procedure in subsection (2)(a) of this section may be modified to more accurately determine the benefits accruing to each parcel of abutting property. In such case the total assessments levied shall not exceed 66.67 percent of the total cost of construction as determined in subsection (2)(a) of this section.
- **Equivalent Frontage / Sideage are calculated as Follows:**
 - **A typical lot from the neighborhood is selected, in this example**
 - Lot 16 is – 106.00' width by 170.00' depth = 18,020 SF.
 - **To calculate the Equivalent Frontage is calculated:**
 - Lot 14 is – 25,706 SF / 170.00' depth = 151.22' Equivalent Frontage versus 51.83'
 - Lot 15 is – 14,900 SF / 170.00' depth = 87.64' Equivalent Frontage versus 114.65'





Example of how Special Assessments are calculated

- **Driveways**
 - I will provide several examples to show how this gets assessed.
- **Original Area of Asphalt Apron**
 - 25 SY (Square Yards) in Average condition
- **Example shown**
 - If new apron is the same area then.
 - $25 \text{ SY} * \$ 30.00/\text{SY} = \$ 750$
 - Average Credit = 50%
 - $\$ 750 * .5 = \$ 375$ assessment for apron
 - Assume the driveway is widened at the request of the owner. And the new area is 30 SY.
 - $30 \text{ SY} - 25 \text{ SY} = 5 \text{ SY new} - 5 \text{ SY} * \$ 30/\text{SY} = \$ 150$
 - $\$ 375 + \$ 150 = \$ 525$ final Apron cost
 - ***This Assumes the asphalt rate of \$30.00 / Square Yard***
 - Taking in the street costs from the previous page the final assessment would be as follows:
 - Frontage Sideage Culvert Apron = Total Assessment
 - $\$ 1,650 + \$ 975 + \$ 360 + \$ 525 = \$ 3,510$





How can you give input and stay informed?

- tom@ci.marshfield.wi.us
 - Drop us an email
- (715) 486-2034
 - Call us; office hours are 7:30 a.m. to 4:30 p.m.
 - Schedule an appointment.
- City of Marshfield, Engineering Division, 207 W 6th St.
- Stop by the office; office hours are 7:30 a.m. to 4:30 p.m.
- City of Marshfield, Street Division, 407 W 2nd St.
 - (715) 486-2081; office hours are 7:30 a.m. to 4:00 p.m.
- www.ci.marshfield.wi.us
 - Visit the city's website.



As plans are completed we will be placing them on our website for private viewing.

This PowerPoint will also be placed on the Engineering Division Web page for your convenience along with access to the recorded meeting.



Engineering Division Contacts Thank You for Attending

Any Questions?

ENGINEERING DIVISION

- Tom Turchi, City Engineer
- Tim Cassidy, Assistant City Engineer
- Josh Mauritz, Civil Engineer II
- James Perton, Civil Engineer I
- Lance Oldham, Engineering Tech II
- Shawn Miller, Engineering Tech II

STREET DIVISION

- Kris Hawley, Street Superintendent
- Kurt Bornbach, Assistant Street Superintendent
- Phil Schmidt, Assistant Street Superintendent

- Phone: (715) 486-2034 Engineering (715) 486-2081 Street
- Web Site: ci.marshshfield.wi.us