

August 28, 2023

Re: Narrative for "Woodbridge Estates" – R1 Single-Family Residential Preliminary Plat Application | 2615, 2511, 2505, & 2503 Plymouth Road

Brief Summary:

Welcome to the Woodbridge Estates development located just North of the development known as Bent Tree, on the East side of Plymouth Road in Minnetonka.

With easy access to the trail system, the objective of this project is to create a welcoming, residential neighborhood that fits within the neighboring community. Combining four lots to create ten additional Single-Family, Estate Lots zoned R-1, we've invested significant study in analyzing the trees and topography of this site to design a plan that meets the County's, City's and Neighbors' desires.

Development Team:

Developer:

Lake West Development | 612-720-5690 Curt Fretham | CurtF@LWestDev.com CurtF@LWestDev.com 14525 Highway 7, Minnetonka, MN 55345

Civil Engineering, Surveying & Land Planning:

Loucks | 763-424-5505

Michael J. St. Martin, P.E. | <u>MStMartin@loucksinc.com</u> Greg Johnson, P.L.A. | <u>GJohnson@loucksinc.com</u> Luke Halstead, E.I.T. | <u>Ihalstead@loucksinc.com</u>

Val Anderson, P.E. | <u>VAnderson@loucksinc.com</u> Sharon F. Morin, Sr. Survey Tech | <u>SMorin@loucksinc.com</u> 7200 Hemlock Lane, Suite 300, Maple Grove, MN 55369

Tree Surveyor:

TreeBiz LLC | 651-336-8095

Stephen Nicholson, C.F. | steve@tree-biz.com

Overview of Plans and Requested Variances:

14 Total Lots

Density: 14 Lots / 11.42 Acres = 1.23 units/acre

1 Lot with an Existing Home and New Driveway Access of Emerald Trail Cul-de-Sac

13 Lots will be New Construction, Single-Family Detached Homes

Project Timeline for Construction:

Applicant is requesting early home construction permits for the four lots fronting Plymouth Rd for a start date of this winter, followed by site grading, utility & street work, and stormwater to be substantially completed in summer of 2024.



Conforming Features of all lots:

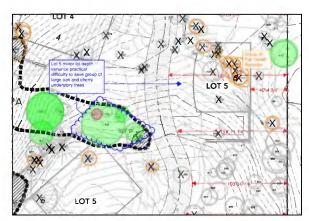
- 22.000 SF Minimum area
- 30' Side Yard Setback with a 10' minimum
- 110' Minimum Width
- Meeting Tree Removal threshold for HP, Significant, and WPA Area Trees

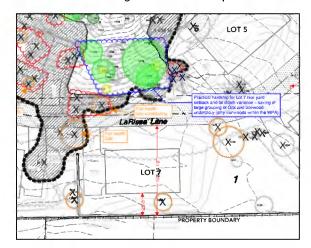
Nonconforming Features:

- 26-foot public street has a ROW width of 40 feet (City code allows for a typical 50-foot ROW width).
- 20' to 35' (varies) front yard setback variance (City code allows for 35')
- Lot 5, Block 1 requires a minor lot depth variance by approximately 2-1/2 ft. (City code allows for 125')
- Lot 7, Block 1 requires a lot depth and rear yard setback variance

Practical Difficulties for Variance Requests:

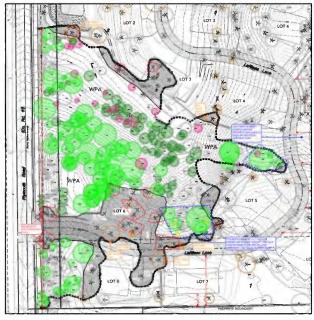
- Our plans narrow the ROW width by 10' and shorten the front yard setback by 15'-0' feet to allow for the house pads to pull toward the road, yielding greater privacy, buffering and tree preservation for the neighboring properties around the perimeter of Woodbridge Estates.
- Considering the disturbance threshold (25%) of the WPA Area totaling 3.37 acres of an 11.42-acre site (approximately 30% of the entire development) a practical difficulty, the applicant not only worked to meet the threshold, but saves as many contributing species as possible, minimizing environmental impact (through the non-conforming features listed above).
 - In the picture to the right, you can see a grouping of contributing tree species (Oak, Aspen, Ironwood, and Black Cherry) within the unique and challenging boundaries of the WPA area. To save this grouping of oak (light green) and cherry (pink) trees, we're asking for a small lot depth variance for Lot 5, Block 1.





The picture to the right is highlighting the contributing tree species that we're saving within the WPA area. Highlighted in green, variances enable the developer to save large groupings of the dominating tree species in this specific type of ecosystem. In addition to the dominating tree species (oak and aspen), we're saving the understory trees highlighted in pink and yellow that are also used as criteria to classify this as a WPA.

Another grouping of contributing trees within the WPA area are highlighted in the picture to the left, oak (green) and ironwood (yellow) trees. To preserve the trees, we're requesting a lot depth and rear yard setback variance for Lot 7, Block 1.



History of Property:

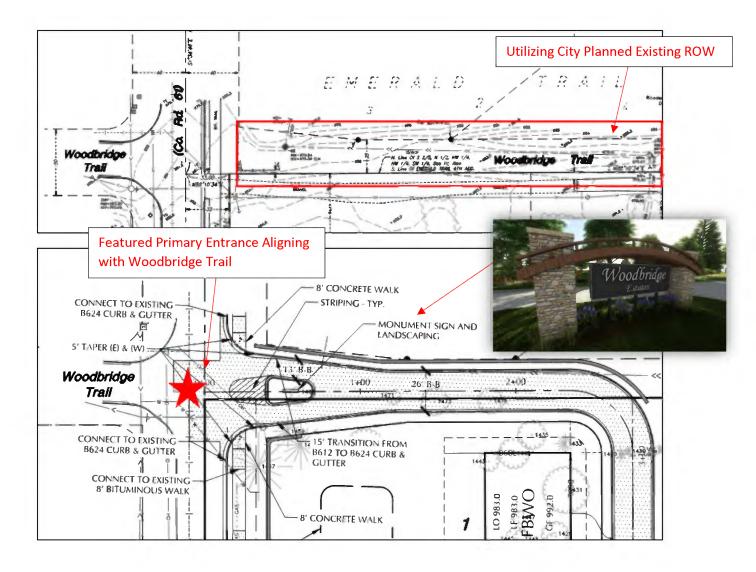


Due to unfortunate circumstances with the current homeowner caring for a sick family member, we are unable to obtain the accurate history of this property. Please accept this as a complete narrative/application with anticipation that this section will be added.

Joe Dudycha (11/27/1926 – 2/14/2013), Property Owner XX – XX

Access off County Road

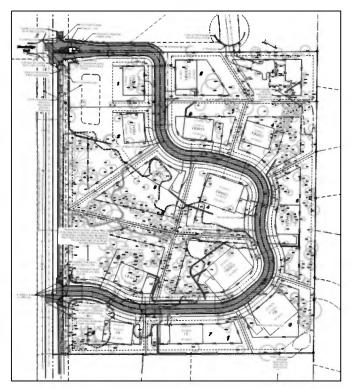
The combination of the four parcels at 2615, 2611, 2505, and 2503 Plymouth Road, totaling 11.42 acres, removes a curb cut from Plymouth Road and utilizes the existing ROW that aligns with Woodbridge Trail. The primary Northern entrance greets its guests and residents with a beautifully designed "Woodbridge Estates" monument sign and landscaping, accompanied by a welcoming pond feature to the South that'll vastly improve the County's road-scape for all to enjoy. During the applicant's concept review phase, the County expressed preference for this northern access, which we refer to as the development's "primary access".



To satisfy the city's preference for better traffic flow for emergency and public works transportation vehicles, we incorporated the existing Southern access into these plans, creating a desirable loop-through road.

Overall net benefits of the street plan:

- Does not add any access points onto the county road.
- Further separates the two access points from North to South for better site distance.
- Aligns the Woodbridge Trail Right of Ways.
- Utilizes the City's planned ROW easement.
- Improves the safety of Lot 1, Block 2 by increasing the setback for this single-family home to an arterial Right of Way.
- Accompanied by trees, the pond feature creates a nice buffer between the singlefamily home/development & Plymouth Road.
- Preserves the existing Southern access, minimizing tree loss.
- Connects the parcels for easy traffic flow.
- Removes two single-family private access points to County Road (2505 and 2503 Plymouth Road).



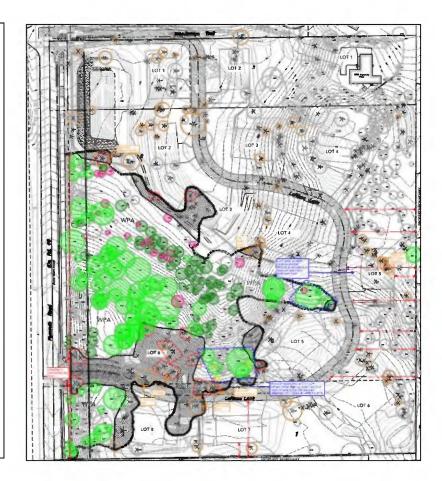
Environmental Impact

The Woodbridge Estates Development is designed to play into the natural topography and environment that exists today. With the tree ordinance as a high priority, the applicant and its development team worked closely to analyze every aspect of grades and trees. We single handedly picked out groupings of trees per species and health to save, reducing the environmental impact and improving the overall health of the environment. This plan meets the tree ordinance requirements at 25% disturbance of the WPA area, 32.8% removal of High Priority Trees, and 36.8% removal of Significant Trees.

In the highlighted image to the right, the WPA area is outlined in a thick dotted line. Of this area, the code allows 25% disturbance. The contributing tree species are highlighted in color. Of the removal areas hashed in gray, we're showing the non-contributing tree species in red bubbles, and fair-health trees circled in orange. Lake West has invested significant study in the analysis of the trees — both within the WPA area and on the overall site — minimizing the overall environmental impact as our highest priority.

Note: Per code, the definition of a High Priority Tree is a tree that's structurally sound and healthy <u>outside of the WPA</u> area. There are 565 linear feet of property within the WPA area along Plymouth Road that saves 71 High Priority buffering trees that we're not counting in our tree calculations.

For additional information on trees, please see the supplemental tree study submitted with the application materials.



There is a high concentration of existing trees on the property and steeps slopes weaved throughout. These two elements and the County's preference for a single, northern access point to Plymouth Road have helped to create a dynamic and winding neighborhood that fits within the natural environment. There is a planned Preservation Area on the Plymouth Road side that will allow a native trail path to connect to the public trail and wind through the site. This path is planned to use wood chips and will be field located as to not disturb any existing trees along the way.

Buffering Trees & Screening

For Woodbridge Estates to take on an earnest identity, we wanted to fit in with the community. To achieve this, we've met with the neighboring property owners over the months to ensure that we're earning their support and improving their property values.

Overall, we've received positive feedback from the neighbors with a common goal to save trees and build single-family residential homes. To better meet the neighbors' concerns, the applicant is asking for a front-yard setback variance from 35' to 20' on certain lots, pulling the building pads further from the rear property lines to save key buffering and screening trees. To further advance these efforts we are proposing a 26-foot public street with a reduced ROW width of 40 feet instead of the typical 50-foot ROW width. Because this is an infill development, the development team is mindful to minimize the impact to its neighbors.

These variances have allowed the designer to create a one-of-a-kind neighborhood that embraces the natural characteristics of the site through the use of winding roads that minimizes the intrusion into steeps slopes and the minimization of tree loss. This also provides the development with enough area for a native trail connection that runs through the project.

Conclusion:

Our development team has worked hard on designing an infill development that will not only be a value to the future residents of Woodbridge Estates, but a legacy development that'll be celebrated by the neighboring property owners, supported by the County, and an asset to the City. We hope that you find our plans to be reasonable and that they respond to your comments and feedback delivered during the concept review phase. We appreciate City Staff's guidance throughout the application process and the neighbors' eagerness to help. Thank you for your review and please reach out with any questions or feedback.



Sincerely,

Curt Fretham

CEO, Lake West Development

Office: (952) 930-3000 Cell: (612) 720-5690

Email: CurtF@LWestDev.com

Cc: Susan Thomas

Loren Gordon Mike St. Martin

FRETHAM 31 ADDITION

MINNETONKA, MN

SHEET INDEX

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VICINITY MAP



DESIGN CONSULTANTS

CIVIL ENGINEER LOUCKS

7200 HEMLOCK LANE SUITE 300 MAPLE GROVE, MINNESOTA 55369

MICHAEL ST. MARTIN, PE TEL: 763-496-6713

LANDSCAPE ARCHITECT

LOUCKS 7200 HEMLOCK LANE SUITE 300 MAPLE GROVE, MINNESOTA 55369

GREGORY JOHNSON, LA TEL: 763-496-6783

----TEL----- UNDERGROUND TELE ———GAS——— UNDERGROUND GAS -----ELE----- UNDERGROUND ELECTRIC -----CTV------ UNDERGROUND CABLE TV

CONIFEROUS TREE

DECIDUOUS TREE

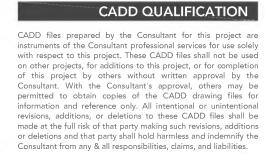
PARKING COUNTS







7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369



SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

Loucks Project No. 021509.0B MJS Project Lead LAH/ZHW Drawn By MJS Checked By 08/21/2023 Review Date SHEET INDEX COVER SHEET

C1-1 **EIXSTING CONDITIONS** C1-2 **DEMOLITION PLAN** C2-1 SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN

L1-5 TO L1-7 TREE REMOVALS PLAN

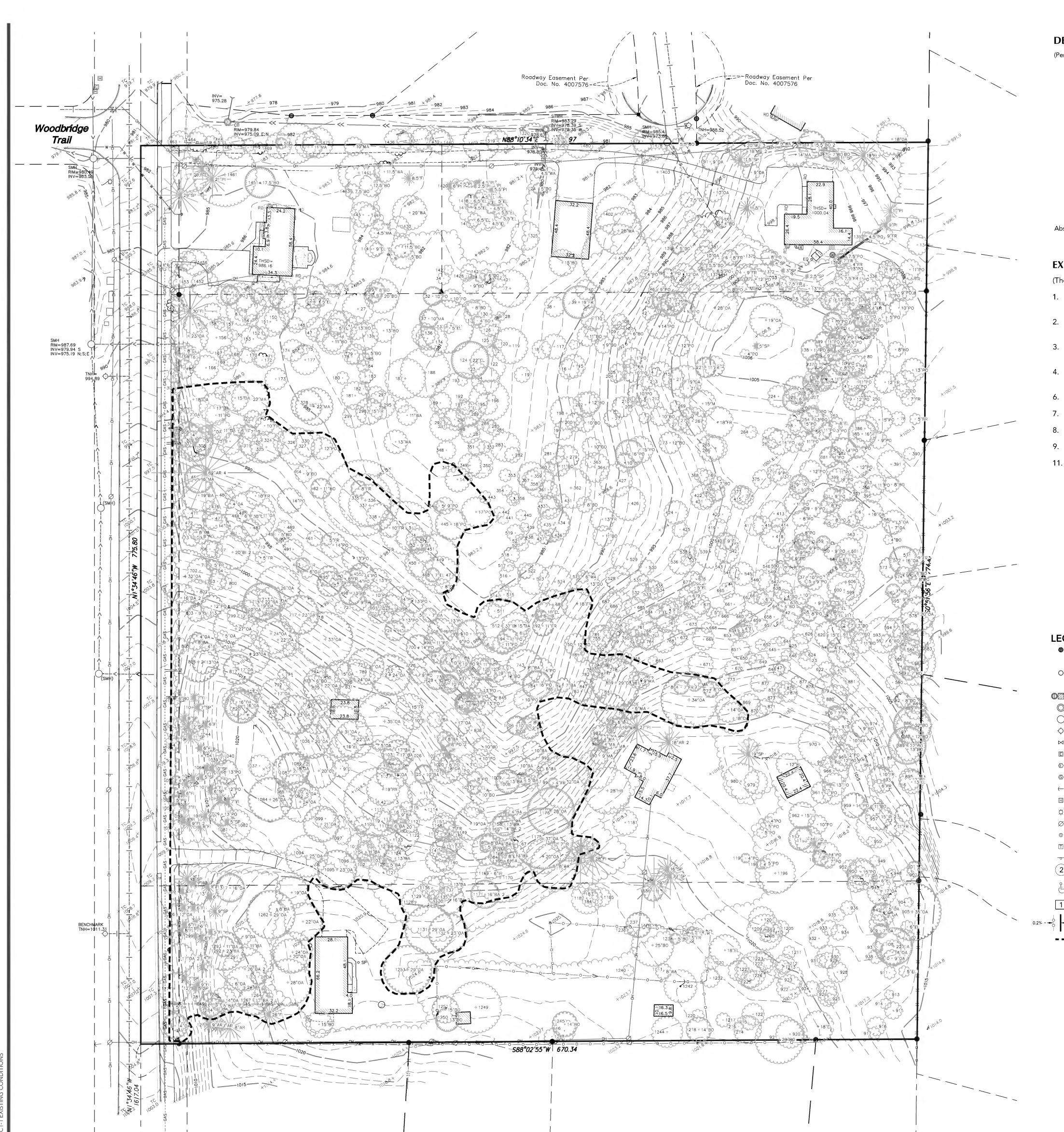




WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.





(Per Schedule A of the herein referenced Title Commitment)

The South 136.50 feet of the North Two-thirds of the South Three-quarters of the West Half of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, Hennepin County,

The North Two-thirds of the South Three-quarter of the West Half of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, except the South 136.50 feet thereof, Hennepin County, Minnesota.

The West 260.00 feet of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 117, Range 22, Hennepin County, Minnesota, except road.

That part of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 lying East of the West 260.00 feet thereof, Hennepin County, Minnesota.

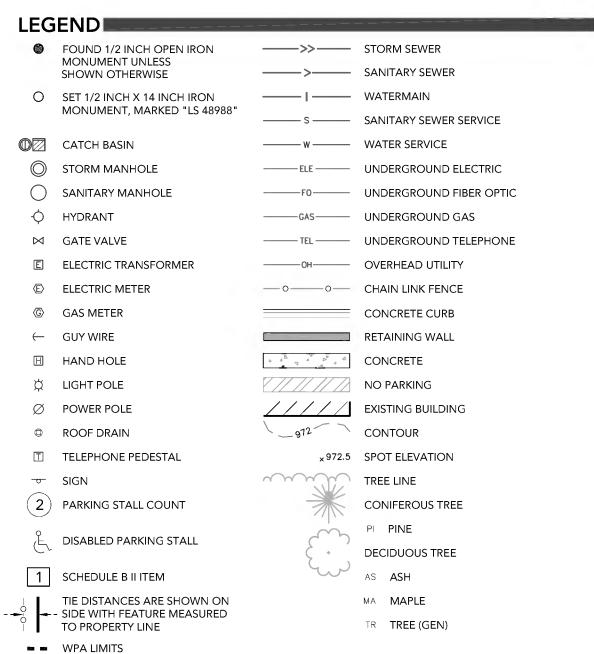
Abstract Property.

EXISTING CONDITIONS GENERAL NOTES

- (The following items refer to Table A optional survey responsibilities and specifications)
- 1. Monuments placed (or a reference monument or witness to the corner) at all major corners of the boundary of the property, unless already marked or referenced by existing monuments or witnesses to the corner are shown hereon.
- 2. The address, as disclosed in documents provided to the surveyor, obtained by the surveyor, or observed while conducting the fieldwork is 2503, 2505, 2511, and 2615 Plymouth Road, Minnetonka, Minnesota 55305.
- 3. This property is contained in Zone X (areas determined to be outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map No. 27053C0329F, Community Panel No. 270173 0329 F, effective date of November 4, 2016.
- 4. The Gross land area is 523,269 +/- square feet or 12.01 +/- acres. The Net land area is 439,003 +/- square feet or 10.08 +/- acres.
- 6. (a) Zoning information was not provided by the client.
- 7. (a) Exterior dimensions of all buildings are shown at ground level.
- 8. Substantial features observed in the process of conducting fieldwork, are shown hereon.
- 9. There are no striped parking stalls on this site.
- 11. (a) We have shown underground utilities on and/or serving the surveyed property per Gopher State One-Call Ticket Nos. 212354708 and 212354762. The following utilities and municipalities were notified:

| COMCAST | (800)778-9140 | CITY OF MINNETONKA | (952)988-8400 |
|--|---|---|---|
| CENTURYLINK | (800)778-9140 | HENNEPIN COUNTY PUBLIC WORKS | (406)541-9571 |
| CENTER POINT ENER | GY (608)223-2014 | XCEL ENERGY | (800)848-7558 |
| purposes such as t customer's structur "private" utilities o | his. Those utility operators that do e or facility. They consider those util n the surveyed property or adjoining | requests through the Gopher State One Call respond, often will not locate utilities from the ities "private" installations that are outside the properties, may not be located since most op contacted to investigate these utilities further | heir main line to the eir jurisdiction. These erators will not mark |

ii. Maps provided by those notified above, either along with a field location or in lieu of such a location, are very often inaccurate or inconclusive. EXTREME CAUTION MUST BE EXERCISED BEFORE AN EXCAVATION TAKES PLACE ON OR NEAR THIS SITE. BEFORE DIGGING, YOU ARE REQUIRED BY LAW TO NOTIFY GOPHER STATE ONE CALL AT LEAST 48 HOURS IN ADVANCE AT 811 or (651) 454-0002.



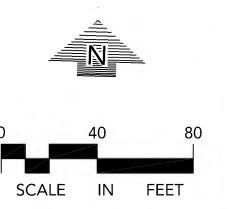


TOLL FREE: 1-800-252-1166

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DURING CONSTRUCTION AT NO COST TO THE OWNER.





LAKE WES DEVELOPMENT, LI

LOUCKS CIVIL ENGINEERING LAND SURVEYING

LANDSCAPE ARCHITECTURE ENVIRONMENTAL 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 763.424.5505 www.loucksinc.com

CADD QUALIFICATION on other projects, for additions to this project, or for completion information and reference only. All intentional or unintentional made at the full risk of that party making such revisions, addition onsultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

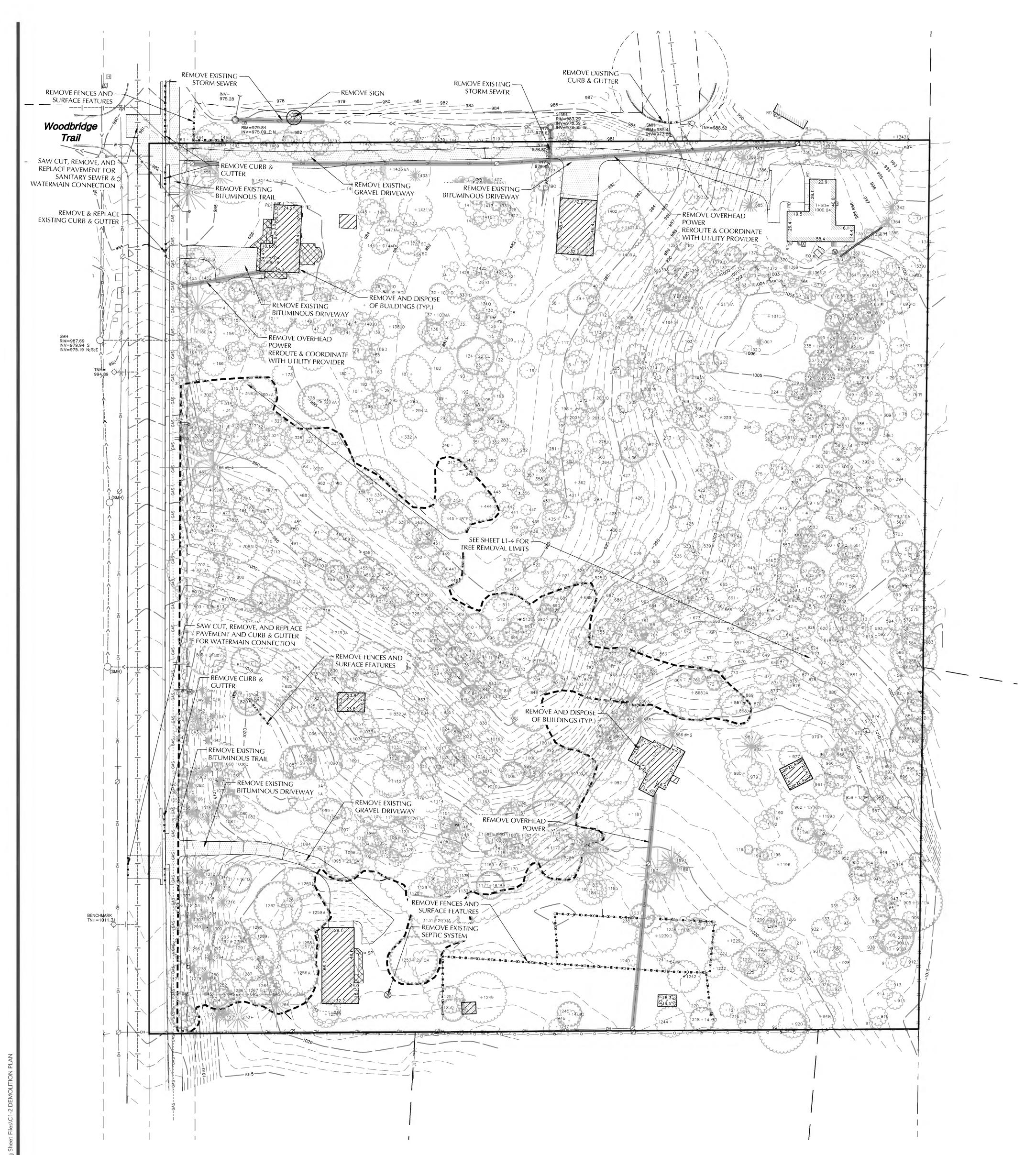


Loucks Project No. 021509.0B Project Lead LAH/ZHW Drawn By MJS Checked By **Review Date** 08/21/2023 SHEET INDEX COVER SHEET **EIXSTING CONDITIONS**

> DEMOLITION PLAN **GRADING PLAN** C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN

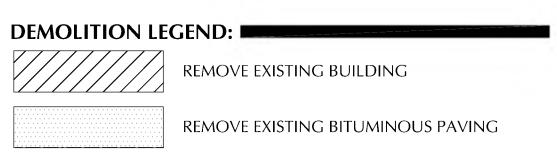
L1-5 TO L1-7 TREE REMOVALS PLAN

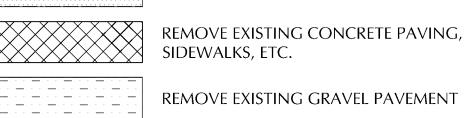




SITE DEMOLITION SPECIFICATIONS

- 1. CONTRACTOR SHALL REMOVE AND/OR RELOCATE EXISTING PRIVATE UTILITIES AS NECESSARY. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES.
- 2. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL.
- 3. CONTRACTOR TO CLEAR AND GRUB EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS, STRIP TOP SOIL, AND STOCKPILE ON-SITE. REFER TO GRADING PLAN AND SWPPP FOR SEDIMENT AND EROSION CONTROL REQUIREMENTS.
- 4. CLEAR AND GRUB AND REMOVE ALL TREES, VEGETATION AND SITE DEBRIS PRIOR TO GRADING. ALL REMOVED MATERIAL SHALL BE HAULED FROM THE SITE DAILY. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL. SEE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- 5. CONTRACTOR SHALL REMOVE ALL SITE SURFACE FEATURES WITHIN REMOVAL LIMITS UNLESS OTHERWISE NOTED.
- 6. BITUMINOUS PAVEMENT REMOVALS ARE TO BE MADE TO A VERTICAL SAW CUT OR TO A NEAT MILLED EDGE.
- 7. CONCRETE PAVEMENT, SIDEWALK, CURB & GUTTER AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT. SAW CUT AS NECESSARY FOR A NEAT EDGE OF REMOVAL.
- 8. ALL REMOVAL ITEMS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE AND SHALL BE DISPOSED OF OFF-SITE IN A MANNER MEETING ALL APPLICABLE REGULATIONS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL SIGNS, MAILBOXES, ETC.
- 10. ANY DAMAGE TO ITEMS NOT NOTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION WITH NO ADDITIONAL COMPENSATION.





REMOVE EXISTING TREES/WOODS

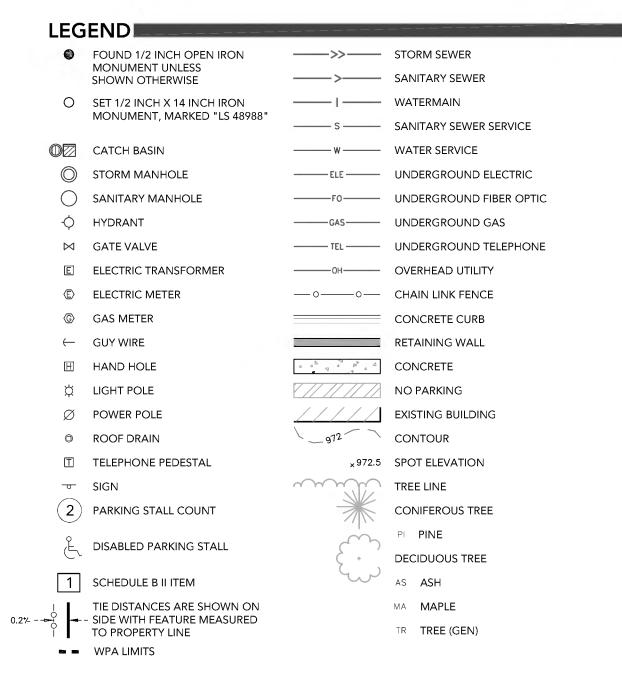
REMOVE EXISTING CURB & GUTTER, RETAINING WALLS, FENCE, ETC.



REMOVE EXISTING MANHOLES, POWER POLES, LIGHT POLES, BOLLARDS, PARKING METERS, SIGNS, ETC.

REMOVE EXISTING UTILITIES

REMOVE EXISTING TREES (SEE TREE PRESERVATION PLAN FOR TREE REMOVALS)

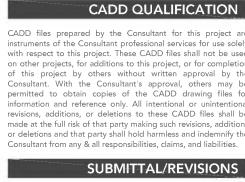




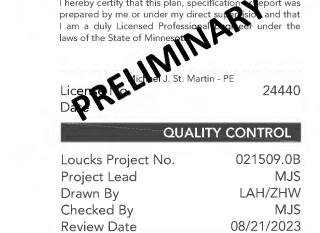




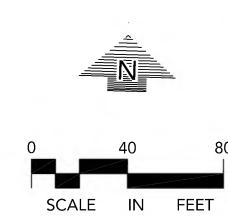
7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 763.424.5505 www.loucksinc.com

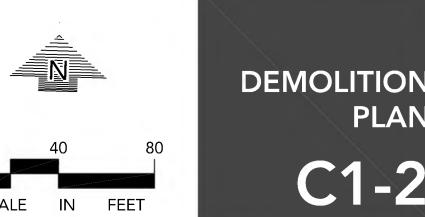


08/25/2023 PRELIMINARY PLAT



SHEET INDEX COVER SHEET C1-1 **EIXSTING CONDITIONS** C1-2 DEMOLITION PLAN SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN







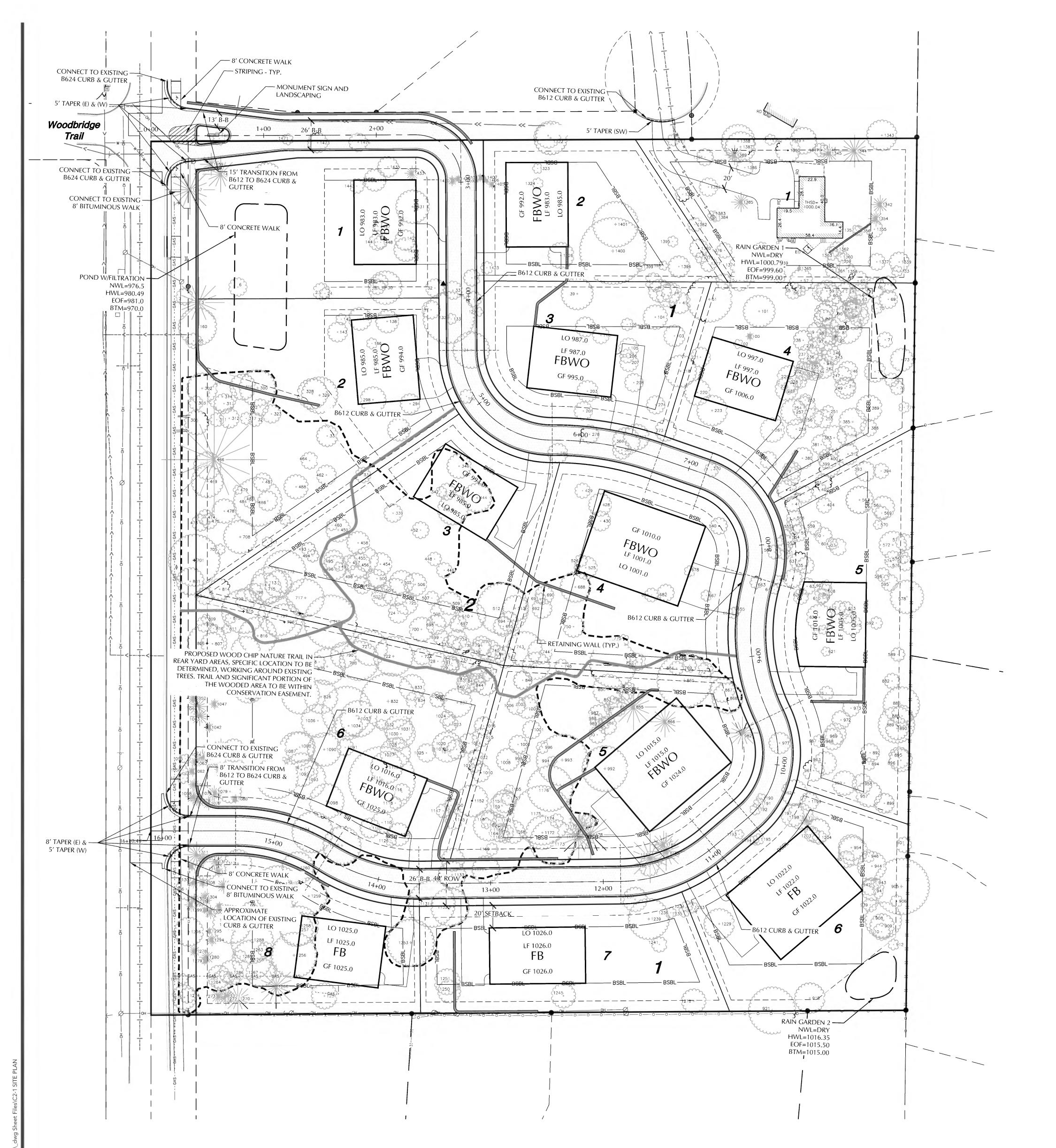
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DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED



SITE DATA

EXISTING ZONING: R-1, LOW DENSITY RESIDENTIAL DISTRICT 2040 COMP PLAN: LOW DENSITY RESIDENTIAL PROPOSED ZONING: R-1, LOW DENSITY RESIDENTIAL DISTRICT

LOT AREA MIN.: 22,000 SF. LOT BUILDING AREA MIN.: 3,500 SF.

LOT WIDTH: 110 FEET @ SBK; 80 FEET @ ROW LOT DEPTH: BUILDING HEIGHT - PRINCIPLE STRUCTURE: 35 FEET

WATERSHED DISTRICT: MINNEHAHA CREEK WATERSHED DISTRICT NO-WETLAND DETERMINATION BY KJOLHAUG WETLAND:

BUILDING SETBACKS STANDARDS -FRONT YARD:

ROW & RAIL:

SIDE YARD:

REAR YARD:

SIDE YARD:

REAR YARD:

35 FEET (LOCAL & NEIGHBORHOOD COLLECTOR STREETS) 10 FEET MIN. (MUST COMBINE TO TOTAL 30 FEET.) LESSER OF 40 FEET MIN. OR 20% OF LOT DEPTH MIN. SETBACK ON LOTS-BEHIND-LOTS: 40 FEET OR 20% OF THE AVERAGE DISTANCE BETWEEN OPPOSITE LOT LINE, WHICHEVER IS LESS, BUT NOT LESS THAN 25 FEET.

BUILDING SETBACKS PROPOSED -FRONT YARD: ROW & RAIL:

20 FEET (LOCAL & NEIGHBORHOOD COLLECTOR STREETS) 10 FEET MIN. (MUST COMBINE TO TOTAL 30 FEET.) LESSER OF 40 FEET MIN. OR 20% OF LOT DEPTH SETBACK ON LOTS-BEHIND-LOTS: 40 FEET OR 20% OF THE AVERAGE DISTANCE BETWEEN OPPOSITE

LOT LINE, WHICHEVER IS LESS, BUT NOT LESS THAN 25 FEET.

STREET WIDTHS STANDARDS-LOCAL STREET:

STREET WIDTHS PROPOSED-LOCAL STREET: TOTAL PARCEL AREA: ±12.01 ACRES TOTAL LOTS: 15 LOTS DENSITY: 0.80 LOTS/AC. WOODLAND PRESERVATION AREA (WPA): 142,789 SF. ALLOWABLE DISTURBANCE AREA IN WPA: 36,590 SF. (25.0%) ESTIMATED DISTURBANCE AREA IN WPA: ±36,590** (25.0%)

WO = WALKOUT*** FB = FULL BASEMENT***

* SURVEY WAS DONE BY LOUCKS ON 06/20/2023.

* PROPOSED BUILDING SITES ARE SHOWN AS 55' x 75' & 75' x 95' BOXES. IT IS EXPECTED THAT CUSTOM HOMES UNDER AN HOA WILL BE DEVELOPED TO MINIMIZE WPA IMPACTS.

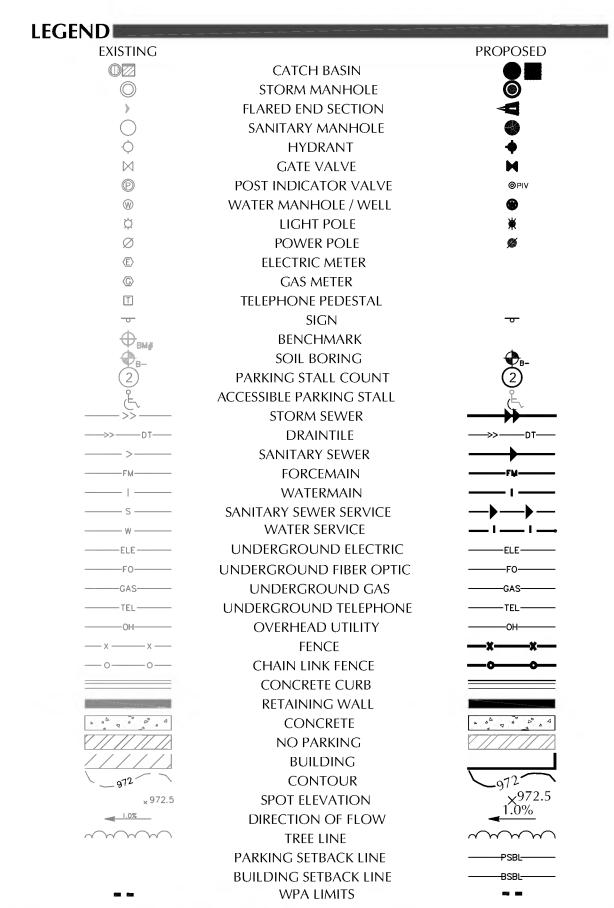
50 FEET

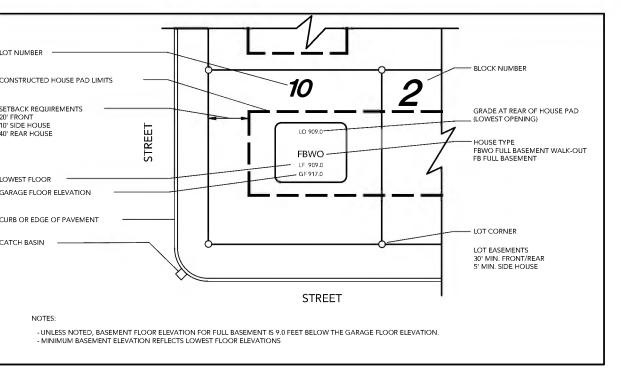
** NOT INCLUDING DISTURBANCE AREA FOR UTILITIES OR DETAILED GRADING FOR EACH HOME SITE. PER CITY CODE REQUIREMENTS OF 10 FEET DISTURBANCE AROUND DRIVEWAYS AND 20 FEET DISTURBANCE AROUND STRUCTURES WITH FROST FOOTINGS (HOMES).

PAVEMENT LEGEND

DENOTES HEAVY DUTY BITUMINOUS PAVEMENT

LIGHT DUTY BITUMINOUS PAVEMENT







LAKE WE DEVELOPMENT, L

CIVIL ENGINEERING LAND SURVEYING LANDSCAPE ARCHITECTURE ENVIRONMENTAL 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 763.424.5505

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CADD QUALIFICATION on other projects, for additions to this project, or for completion information and reference only. All intentional or unintentional made at the full risk of that party making such revisions, addition onsultant from any & all responsibilities, claims, and liabilities. SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

PROFESSIONAL SIGNATURE I hereby certify that this plan, specification prepared by me or under my direct suffer isio, and that I am a duly Licensed Professional Expreer under the laws of the State of Minnesot QUALITY CONTROL Loucks Project No. 021509.0B MJS Project Lead Drawn By LAH/ZHW

Checked By

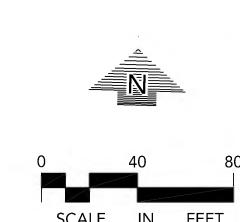
08/21/2023 Review Date SHEET INDEX **COVER SHEET** C1-1 **EIXSTING CONDITIONS** DEMOLITION PLAN SITE PLAN **GRADING PLAN** C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY

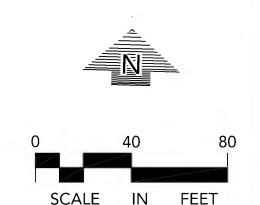
L1-4 TREE PRESERVATION PLAN

L1-5 TO L1-7 TREE REMOVALS PLAN

SITE PLAN

MJS







MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

DURING CONSTRUCTION AT NO COST TO THE OWNER.

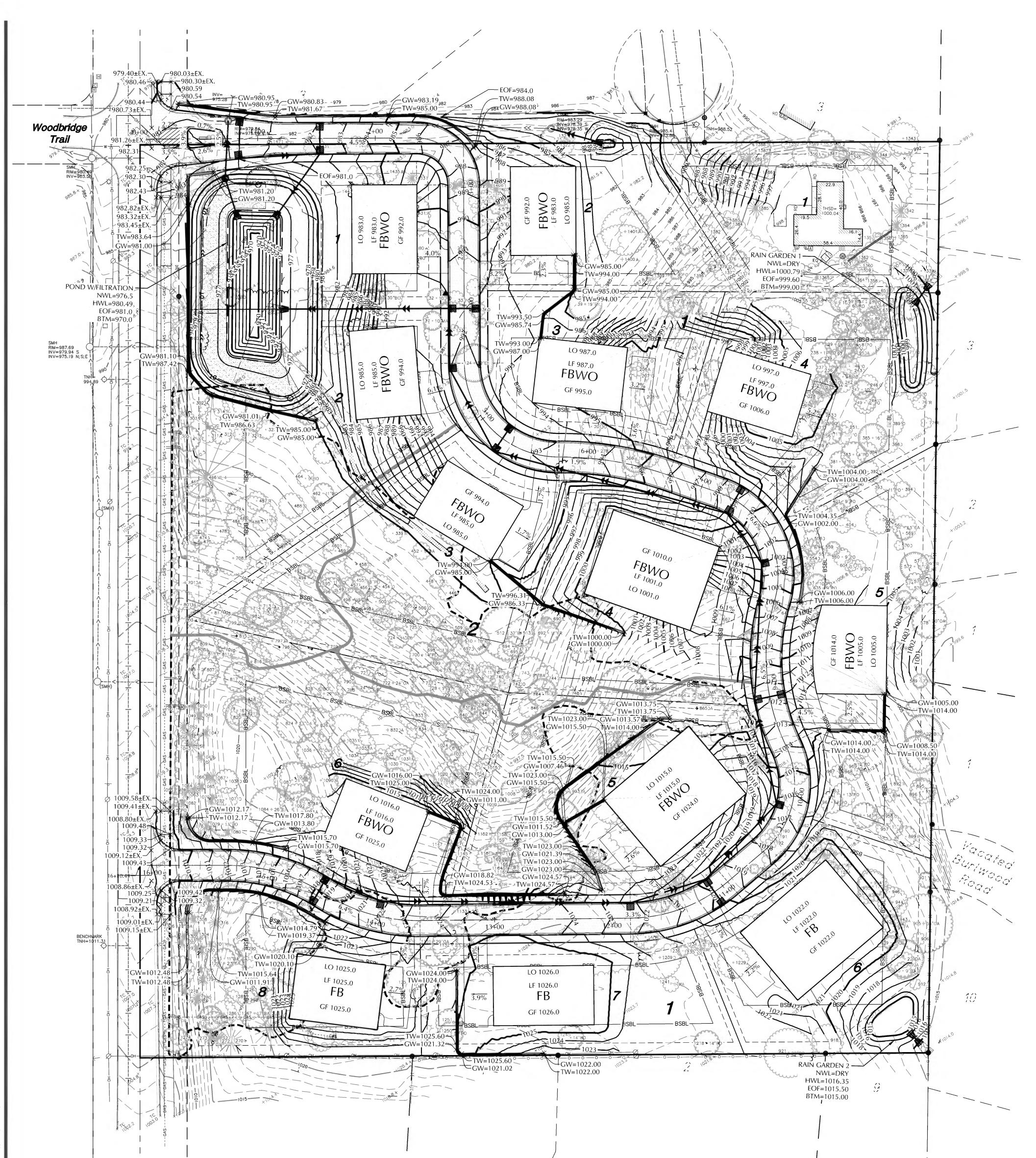
EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED SITE DATA CURRENT ZONING: R-1, LOW DENSITY RESIDENTIAL DISTRICT PROPOSED ZONING: R-1, LOW DENSITY RESIDENTIAL DISTRICT

3.09 AC (25.73%)

12.01 +/- AC PROPERTY AREA: DISTURBED AREA: 7.21 AC EXISTING IMPERVIOUS AREA: 0.54 AC (4.50%) PROPOSED IMPERVIOUS AREA: 3.06 AC (25.48%) PROPOSED WET POND AREA: 0.13 AC (1.08%)

TOTAL IMPERVIOUS AREA:



GRADING & DRAINAGE NOTES

SEE STORMWATER POLLUTION PREVENTION PLAN FOR SOIL STABILIZATION INFORMATION.

EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ESTABLISHED AROUND THE ENTIRE SITE PERIMETER AND IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, CITY REQUIREMENTS AND THE DETAILS SHOWN ON THE CIVIL DETAILS SHEETS OF THESE

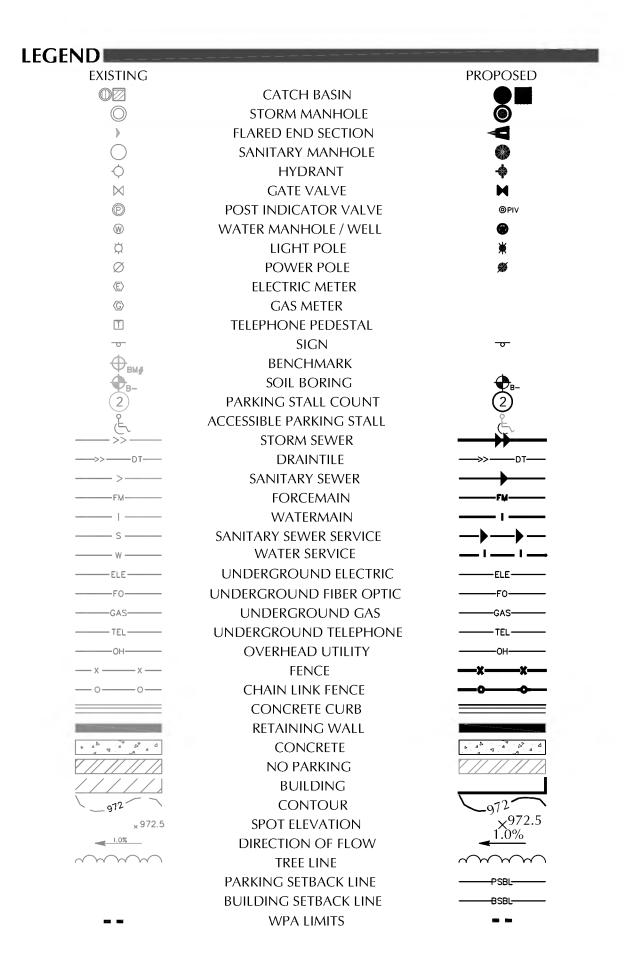
ALL CURB SPOT ELEVATIONS ARE TO GUTTER LINE-UNLESS NOTED OTHERWISE.

GRADING, DRAINAGE & EROSION CONTROL SPECIFICATIONS

- 1. SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 2. CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.10 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS
- 3. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF PREMIUM TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. VERIFY WITH LANDSCAPE PLAN.
- 4. FOR SITE RETAINING WALLS "TW" EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED WALL COURSES).
- 5. REFER TO THE REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW (REPORT NO.16.61753.100), DATED 12/08/16 AS PREPARED BY NORTHERN TECHNOLOGIES INC. FOR AN EXISTING SUBSURFACE SITE CONDITION ANALYSIS AND CONSTRUCTION RECOMMENDATIONS.
- 6. STREETS MUST BE CLEANED AND SWEPT WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS, OR AS DIRECTED BY CITY. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- 7. DUST MUST BE ADEQUATELY CONTROLLED.
- 8. SEE SWPPP FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
- 9. SEE UTILITY PLAN FOR WATER, STORM AND SANITARY SEWER INFORMATION.
- 10. SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
- 11. A STREET SWEEPER MUST BE AVAILABLE WITHIN 3 HOURS UPON NOTICE FROM THE CITY THAT THE STREETS NEED TO BE SWEPT.
- 12. THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS AND THE NPDES PERMIT FROM THE MPCA.
- 13. INSTALL EROSION CONTROL AND TREE PROTECTION MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
- 14. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE MPCA NPDES PERMIT. THE AREA TO BE DISTURBED SHALL BE MINIMIZED AND TURF SHALL BE ESTABLISHED WITHIN THE TIME REQUIRED.

15. GRADES SHOWN ARE FINISHED GRADES.

- 16. FINAL GRADING TOLERANCES ARE +/-0.1 FEET TO FINISH GRADES.
- 17. UNDER PAVEMENTS COMPACT THE UPPER 3 FEET OF SUBGRADE TO 100% STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT AND 95% STANDARD PROCTOR DENSITY BLOW THE UPPER 3 FEET OF SUBGRADE. OUTSIDE PAVEMENT AREAS COMPACT EMBANKMENTS TO 95% STANDARD PROCTOR DENSITY.
- 18. WORKING HOURS ARE 7:00 AM 10:00 PM, MONDAY SATURDAY. A 48 HOUR NOTICED IS REQUIRED FOR
- 19. THE CONTRACTOR MUST HAVE A CITY LICENSE.
- 20. A CITY RIGHT-OF-WAY PERMIT IS REQUIRED PRIOR TO WORKING WITHIN CITY ROW.
- 21. TURF REINFORCEMENT MAT (TRM) SHALL BE LANDLOK 450, AS MANUFACTURED BY PROPEX GEOSOLUTIONS, OR APPROVED EQUAL. THE CONTRACTOR SHALL FOLLOW ALL OF THE MANUFACTURERS INSTRUCTIONS FOR INSTALLATION.
- 22. STRUCTURAL RETAINING WALL, FENCING AND HANDRAIL DESIGN BY OTHERS. REFER TO ARCHITECTURAL PLANS.





WARNING:

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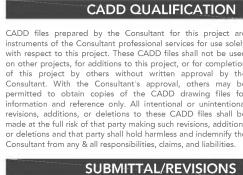
FRETHAM 31ST



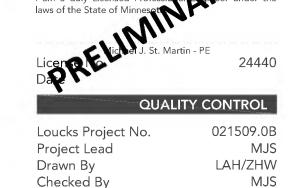


PLANNING CIVIL ENGINEERING LAND SURVEYING LANDSCAPE ARCHITECTURE ENVIRONMENTAL

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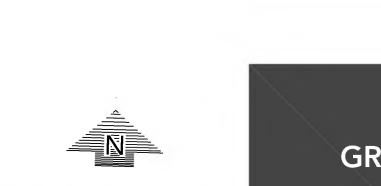


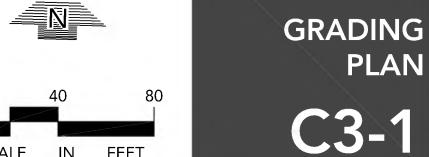
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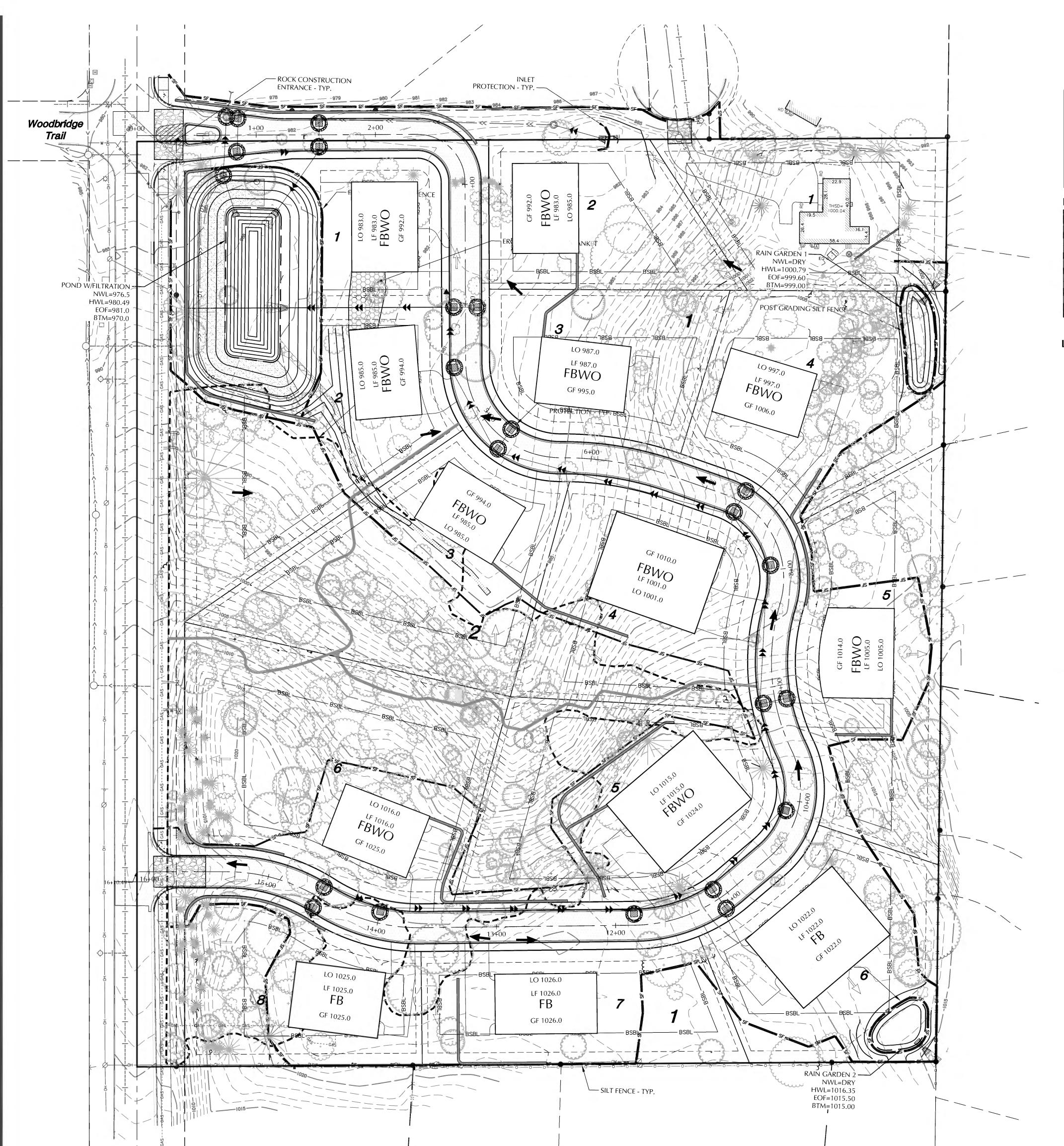
L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN

TREE INVENTORY

L1-1 TO L1-3







GENERAL NOTES

SEE SHEET C3-3 FOR SWPPP NOTES AND SWPPP DETAILS.

SWPPP LEGEND

SILT FENCE **INLET PROTECTION** EXISTING DRAINAGE PATTERN PROPOSED DRAINAGE PATTERN

EROSION CONTROL BLANKET ROCK CONSTRUCTION ENTRANCE

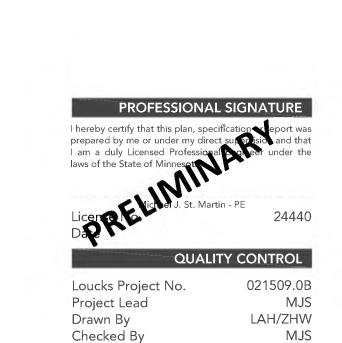
ESTIMATED QUANTITIES

| DESCRIPTION | UNIT | QUANTITY |
|--------------------------------------|------|----------|
| TEMPORARY ROCK CONSTRUCTION ENTRANCE | EA | 3 |
| PREFABRICATED CONCRETE WASHOUT | EA | NA |
| SILT FENCE | LF | ±3,973 |
| EROSION CONTROL BLANKET | SY | ±149 |
| INLET PROTECTION | EA | 23 |
| POST GRADING SILT FENCE | LF | 647 |
| BIOLOG DITCH CHECK | LF | NA |

| LEGEND | | |
|---|--------------------------|---------------------------------------|
| EXISTING | | PROPOSED |
| | CATCH BASIN | 0= |
| | STORM MANHOLE | 6 |
| > | FLARED END SECTION | ď |
| | SANITARY MANHOLE | |
| Ó | HYDRANT | • |
| \bowtie | GATE VALVE | H |
| © | POST INDICATOR VALVE | @PIV |
| (W) | WATER MANHOLE / WELL | • |
| Þ | LIGHT POLE | * |
| Ø | POWER POLE | ⊗ |
| Ē | ELECTRIC METER | ,- |
| © | GAS METER | |
| Ī | TELEPHONE PEDESTAL | |
| - | SIGN | -o- |
| A | BENCHMARK | |
| D BM/ | SOIL BORING | ⊕ , |
| (2) | PARKING STALL COUNT | $(2)^{-}$ |
| 0,1 | ACCESSIBLE PARKING STALL | ٩ |
| ——>>— | STORM SEWER | |
| >>DT | DRAINTILE | —>>—DT— |
| ——>—— | SANITARY SEWER | |
| ———FM——— | FORCEMAIN | FW |
| | WATERMAIN | 1 |
| ——— \$ ——— | SANITARY SEWER SERVICE | |
| ——— w ——— | WATER SERVICE | 'ı'ı |
| ———ELE——— | UNDERGROUND ELECTRIC | ———ELE——— |
| ———FO——— | UNDERGROUND FIBER OPTIC | ———F0——— |
| ———GAS——— | UNDERGROUND GAS | GAS |
| TEL | UNDERGROUND TELEPHONE | ———TEL——— |
| ——ОН—— | OVERHEAD UTILITY | ——ОН—— |
| xx | FENCE | —x——x— |
| <u> </u> | CHAIN LINK FENCE | |
| | CONCRETE CURB | |
| *************************************** | RETAINING WALL | |
| b 4 b 4 b 4 | CONCRETE | * * * * * * * * * * * * * * * * * * * |
| | NO PARKING | |
| //// | BUILDING | |
| 972 | CONTOUR | 972 |
| × 972.5 | SPOT ELEVATION | $\times^{972.5}$ |
| 1.0% | DIRECTION OF FLOW | ₹ 1.0% |
| ~~~~ | TREE LINE | $\sim\sim$ |
| | PARKING SETBACK LINE | PSBL |
| | BUILDING SETBACK LINE | BSBL |
| | AA/DA LIAAITC | |

WPA LIMITS

-



Checked By

FRETHAM 31ST

ADDITION

LAKE WE

PLANNING CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

7200 Hemlock Lane, Suite 300

CADD QUALIFICATION

SUBMITTAL/REVISIONS

on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional made at the full risk of that party making such revisions, additions

08/25/2023 PRELIMINARY PLAT

Maple Grove, MN 55369

LAND SURVEYING

ENVIRONMENTAL

763.424.5505 www.loucksinc.com

DEVELOPMENT, LI

2511 & 2615 Plymouth Ro Minnetonka, MN 553

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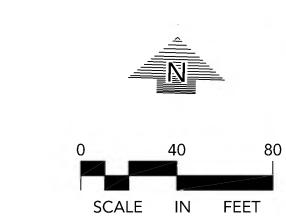


DURING CONSTRUCTION AT NO COST TO THE OWNER.

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CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED





SWPPP NOTES

- THE NATURE OF THIS PROJECT WILL CONSIST OF CONSTRUCTING A SINGLE FAMILY DEVELOPMENT & THE ASSOCIATED STREET, UTILITIES, & STORM WATER TREATMENT
- THE INTENDED SEQUENCING OF MAJOR CONSTRUCTION ACTIVITIES ARE AS
- INSTALL VEHICLE TRACKING BMP
- INSTALL SILT FENCE AROUND SITE INSTALL PROTECTIVE FENCE AROUND INFILTRATION AREAS
- CLEAR AND GRUB SITE
- STRIP AND STOCKPILE TOPSOIL REMOVE PAVEMENTS AND UTILITIES
- INSTALL SILT FENCE AROUND BASINS ROUGH GRADE SITE
- 10. IMPORT CLEAN FILL FOR REPLACEMENT AND BALANCE

16. REMOVE ACCUMULATED SEDIMENT FROM BASINS

CONSTRUCT STORMWATER MANAGEMENT BASINS

- 11. INSTALL UTILITIES 12. INSTALL BUILDING FOUNDATIONS
- 13. INSTALL CURB AND GUTTER
- 14. INSTALL PAVEMENTS AND WALKS 15. FINAL GRADE SITE
- 17. SEED AND MULCH 18. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED,
- REMOVE SILT FENCE AND RESEED ANY AREAS DISTURBED BY THE REMOVAL. SITE DATA:
- AREA OF DISTURBANCE: 7.21± AC PRE-CONSTRUCTION IMPERVIOUS AREA: 0.54 AC
- POST-CONSTRUCTION IMPERVIOUS AREA: 3.09 AC
- GENERAL SOIL TYPE: SEE GEOTECHNICAL REPORT
- THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE IDENTIFIED WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC. BEFORE CONSTRUCTION BEGINS.
- ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN (7) OR MORE DAYS SHALL BE STABILIZED BY SEEDING OR SODDING (ONLY AVAILABLE PRIOR TO SEPTEMBER 15) OR BY MULCHING OR COVERING OR OTHER EQUIVALENT CONTROL MEASURE.
- ON SLOPES 3:1 OR GREATER MAINTAIN SHEET FLOW AND MINIMIZE RILLS AND/OR GULLIES, SLOPE LENGTHS CAN NOT BE GREATER THAN 75 FEET. DENOTES SLOPES GREATER THAN 3:1. ALL 3:1 SLOPES TO BE STABILIZED WITH EROSION CONTROL BLANKET
- ALL STORM DRAINS AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
- TEMPORARY SOIL STOCKPILES MUST HAVE EFFECTIVE SEDIMENT CONTROL AND CAN NOT BE PLACED IN SURFACE WATERS OR STORM WATER CONVEYANCE SYSTEMS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT AMOUNT OF SILT, CLAY, OR ORGANIC COMPOUNDS ARE EXEMPT EX: CLEAN AGGREGATE STOCK PILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES.
- SEDIMENT LADEN WATER MUST BE DISCHARGED TO A SEDIMENTATION BASIN WHENEVER POSSIBLE. IF NOT POSSIBLE, IT MUST BE TREATED WITH THE APPROPRIATE
- 10. SOLID WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.
- 11. EXTERNAL WASHING OF CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE, RUNOFF MUST BE PROPERLY CONTAINED.
- 12. NO ENGINE DEGREASING IS ALLOWED ON SITE.
- 13. THE OWNER WHO SIGNS THE NPDES PERMIT APPLICATION IS A PERMITTEE AND IS RESPONSIBLE FOR COMPLIANCE WITH ALL TERMS AND CONDITIONS OF THE PERMIT. THE OPERATOR (CONTRACTOR) WHO SIGNS THE NPDES PERMIT APPLICATION IS A PERMITTEE FOR ALL APPLICABLE CONSTRUCTION ACTIVITY REQUIREMENTS FOUND IN SECTIONS 3, 4, 6-24 OF THE NPDES PERMIT AND IS JOINTLY RESPONSIBLE WITH THE OWNER FOR COMPLIANCE WITH THOSE PORTIONS OF THE PERMIT.
- TERMINATION OF COVERAGE-PERMITTEE(S) WISHING TO TERMINATE COVERAGE MUST SUBMIT A NOTICE OF TERMINATION (NOT) TO THE MPCA. ALL PERMITTEE(S) MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ONE OR MORE OF THE FOLLOWING CONDITIONS HAVE BEEN MET:
 - A. FINAL STABILIZATION, PER NPDES PERMIT SECTION 13 HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE. TRANSFER OF OWNERSHIP AS DESCRIBED IN THE PERMIT.
- 15. INSPECTIONS
- INITIAL INSPECTION FOLLOWING SILT FENCE INSTALLATION BY CITY REPRESENTATIVE IS REQUIRED.
- B. EXPOSED SOIL AREAS: ONCE EVERY 7 DAYS AND WITHIN 24 HOURS FOLLOWING A 0.5" OVER 24 HOUR RAIN EVENT.
- C. STABILIZED AREAS: ONCE EVERY 30 DAYS

- D. FROZEN GROUND: AS SOON AS RUNOFF OCCURS OR PRIOR TO RESUMING CONSTRUCTION.
- INSPECTION AND MAINTENANCE RECORDS MUST BE RETAINED FOR 3 YEARS AFTER FILING OF THE NOTICE OF TERMINATION AND MUST INCLUDE: DATE AND TIME OF ACTION, NAME OF PERSON(S) CONDUCTING WORK, FINDING OF INSPECTIONS AND RECOMMENDATIONS FOR CORRECTIVE ACTION, DATE AND AMOUNT OF RAINFALL EVENTS GREATER THAN 0.5 INCHES IN A 24 HOUR
- 16. MINIMUM MAINTENANCE
- A. SILT FENCE TO BE REPAIRED, REPLACED, SUPPLEMENTED WHEN
- NONFUNCTIONAL, OR 1/3 FULL; WITHIN 24 HOURS B. SEDIMENT BASINS DRAINED AND SEDIMENT REMOVED WHEN REACHES 1/2 STORAGE VOLUME. REMOVAL MUST BE COMPLETE WITHIN 72 HOURS OF
- C. SEDIMENT REMOVED FROM SURFACE WATERS WITHIN (7)SEVEN DAYS D. CONSTRUCTION SITE EXITS INSPECTED, TRACKED SEDIMENT REMOVED WITH 24
- E. PROVIDE COPIES OF EROSION INSPECTION RESULTS TO CITY ENGINEER FOR ALL EVENTS GREATER THAN 1/2" IN 24 HOURS
- 17. THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS MUST BE KEPT AT THE SITE DURING CONSTRUCTION ACTIVITY BY THE PERMITTEE(S) WHO HAVE OPERATIONAL CONTROL OF THE SITE.
- 18. OWNER MUST KEEP RECORDS OF ALL PERMITS REQUIRED FOR THE PROJECT, THE SWPPP, ALL INSPECTIONS AND MAINTENANCE, PERMANENT OPERATION AND MAINTENANCE AGREEMENTS, AND REQUIRED CALCULATIONS FOR TEMPORARY AND PERMANENT STORM WATER MANAGEMENT SYSTEMS. THESE RECORDS MUST BE RETAINED FOR THREE YEARS AFTER FILING NPDES NOTICE OF TERMINATION.
- 19. SWPPP MUST BE AMENDED WHEN:
- A. THERE IS A CHANGE IN DESIGN, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON DISCHARGE
- B. INSPECTIONS INDICATE THAT THE SWPPP IS NOT EFFECTIVE AND DISCHARGE IS EXCEEDING WATER QUALITY STANDARDS.
- C. THE BMP'S IN THE SWPPP ARE NOT CONTROLLING POLLUTANTS IN DISCHARGES OR IS NOT CONSISTENT WITH THE TERMS AND CONDITIONS OF THE PERMIT.
- 20. CONCRETE WASHOUT AREA
- A. CONCRETE WASH-OUT IS NOT ALLOWED ON-SITE.
- 21. IN THE EVENT OF ENCOUNTERING A WELL OR SPRING DURING CONSTRUCTION CONTRACTOR TO CEASE CONSTRUCTION ACTIVITY AND NOTIFY ENGINEER.
- 22. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.
- 23. FINAL STABILIZATION
- FINAL STABILIZATION REQUIRES THAT ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND THAT DISTURBED AREAS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH 70% OF THE EXPECTED FINAL DENSITY, AND THAT ALL PERMANENT PAVEMENTS HAVE BEEN INSTALLED. ALL TEMPORARY BMP'S SHALL BE REMOVED, DITCHES STABILIZED, AND SEDIMENT SHALL BE REMOVED FROM PERMANENT CONVEYANCES AND SEDIMENTATION BASINS IN ORDER TO RETURN THE POND TO DESIGN CAPACITY.
- 24. TEMPORARY SEDIMENTATION BASINS
- A. THE TEMPORARY SEDIMENTATION BASINS SHALL BE CONSTRUCTED AND MADE OPERATIONAL PRIOR TO DISTURBANCE OF 10 OR MORE ACRES DRAINING TO A COMMON LOCATION.
- B. TEMPORARY SEDIMENTATION BASINS ARE REQUIRED PRIOR TO RUNOFF LEAVING THE CONSTRUCTION SITE OR ENTERING SURFACE WATERS WHEN 10 BASIN MUST PROVIDE 3,600 CUBIC FEET OF STORAGE BELOW THE OUTLET PER ACRE DRAINED. IF HYDRAULIC CALCULATIONS ARE AVAILABLE, THE TEMPORARY SEDIMENTATION BASIN MUST PROVIDE A STORAGE VOLUME EQUIVALENT TO THE 2-YEAR, 24-HOUR STORM, BUT IN NO CASE LESS THAN 1800 CUBIC FEET PER ACRE DRAINED. THE TEMPORARY SEDIMENTATION BASIN MUST BE CONSTRUCTED AND MADE OPERATIONAL CONCURRENT WITH THE START OF SOIL DISTURBANCE UP GRADIENT OF THE POND. THE TEMPORARY SEDIMENTATION BASIN SHALL BE DESIGNED TO PREVENT SHORT
- CIRCUITING. THE OUTFALL SHALL BE DESIGNED TO REMOVE FLOATABLE DEBRIS, ALLOW FOR COMPLETE DRAWDOWN OF THE POND FOR MAINTENANCE ACTIVITIES, AND HAVE ENERGY DISSIPATION. THE EMERGENCY SPILLWAY SHALL BE STABILIZED.
- WATERS AND ANY REQUIRED BUFFER ZONE, AND MUST BE DESIGNED TO AVOID DRAINING WETLANDS, UNLESS THE IMPACT IS IN COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT.

D. EXCESSIVE SEDIMENT-LADEN WATER THAT IS NOT PROPERLY FILTERED WILL NOT

C. TEMPORARY SEDIMENTATION BASINS SHALL BE SITUATED OUTSIDE OF SURFACE

25. DEWATERING AND BASIN DRAINING

BE PERMITTED TO DISCHARGE FROM SITE.

A. TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING SHALL BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE UNLESS INFEASIBLE. THE TEMPORARY OR PERMANENT BASIN MAY DISCHARGE TO SURFACE WATERS IF

THE BASIN WATER HAS BEEN VISUALLY CHECKED TO ENSURE ADEQUATE

- TREATMENT HAS BEEN OBTAINED IN THE BASIN AND THAT THE NUISANCE CONDITIONS WILL NOT RESULT FROM THE DISCHARGE. DISCHARGE POINTS SHALL BE ADEQUATELY PROTECTED FROM EROSION AND PROPER VELOCITY DISSIPATION PROVIDED.
- ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES MUST BE DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS EROSION IN THE RECEIVING CHANNELS OR ON DOWN SLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACTS TO THE
- C. IF FILTERS WITH BACKWASH WATERS ARE USED, THE BACKWASH WATER SHALL BE HAULED AWAY FOR DISPOSAL, RETURNED TO THE BEGINING OF THE TREATMENT PROCESS, OR INCORPORATED INTO SITE IN A MANNER THAT DOES NOT CAUSE EROSION. BACKWASH WATER MAY BE DISCHARGED TO SANITARY SEWER IF PERMISSION IS GRANTED BY THE SANITARY SEWER AUTHORITY.

26. POLLUTION PREVENTION

- BUILDING PRODUCTS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS MUST BE UNDER COVER TO PREVENT DISCHARGE OR PROTECTED BY AN EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.
- PESTICIDES, HERBICIDES, INSECTICIDES, FERTILIZERS, TREATMENT CHEMICALS, AND LANDSCAPE MATERIALS MUST BE UNDER COVER.
- C. HAZARDOUS MATERIALS AND TOXIC WASTE MUST BE PROTECTED TO PREVENT
- SOLID WASTE MUST BE STORED, COLLECTED AND DISPOSED OF IN COMPLIANCE
- E. PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER. SANITARY WASTE MUST BE DISPOSED OF
- PROPERLY IN ACCORDANCE WITH MINN. R. CH 7041. F. DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED SHALL BE PREVENTED USING DRIP PANS OR ABSORBENTS. SUPPLIES SHALL BE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD MUST BE AVAILABLE FOR RECOVERED SPILLED MATERIALS.
- 27. DESIGN CALCULATIONS
- TEMPORARY & PERMANENT STORMWATER TREATMENT ARE DESIGNED TO MEET MPCA GENERAL & SPECIAL WATER REQUIREMENTS. CALCULATIONS ARE PART OF THE HYDROLOGY REPORT, WHICH IS TO BE CONSIDERED PART OF THE SWPP DOCUMENTS. SEE HYDROLOGY REPORT FOR ADDITIONAL INFORMATION.
- 28. GENERAL STORMWATER DISCHARGE REQUIREMENTS
- ALL REOUIREMENTS LISTED IN SECTIONS 5-7, 14, 16-19, 21, 24 OF THE PERMIT FOR DESIGN OF THE PERMANENT STORMWATER MANAGEMENT SYSTEM AND DISCHARGE HAVE BEEN INCLUDED IN THE PREPARATION OF THIS SWPP. THESE INCLUDE BUT ARE NOT LIMITED TO:
- A. THE EXPECTED AMOUNT, FREQUENCY, INTENSITY, AND DURATION
- B. THE NATURE OF STORMWATER RUNOFF AND RUN-ON AT THE SITE. C. PEAK FLOW RATES AND STORWATER VOLUMES TO MINIMIZE EROSION AT
- OUTLETS AND DOWNSTREAM CHANNEL AND STREAM BANK EROSION. D. THE RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT ON THE SITE.
- 29. CONSTRUCTION OF FILTRATION BASINS

THE PROPOSED INFILTRATION AREA.

NO HEAVY TRAFFIC ON FILTRATION AREAS. CONSTRUCTION TO BE DONE WITH Design of Construction SWPPP (May 31 2024) MINIMAL COMPACTION TO FILTRATION AREAS. IF COMPACTION IS ENCOUNTERED, BASIN SOILS FOR THE FIRST & MUST BE REMOVED & RELAID. INFILTRATION SYSTEMS MUST NOT BE EXCAVATED TO FINAL GRADE UNTIL THE CONTRIBUTING DRAINAGE AREA HAD BEEN CONSTRUCTED AND FULLY

STABILIZED UNLESS RIGOROUS EROSION PREVENTION AND SEDIMENT

- CONTROLS ARE PROVIDED(SECTION 16.4). WHEN AN INFILTRATION SYSTEM IS EXCAVATED TO FINAL GRADE (OR WITHIN THREE (3) FEET OF FINAL GRADE), THE PERMITTEE(S) MUST EMPLOY RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION AREA. THE AREA MUST BE STAKED OFF AND MARKED SO THAT HEAVY CONSTRUCTION VEHICLES OR EQUIPMENT WILL NOT COMPACT THE SOIL IN
- TO PREVENT CLOGGING OF THE INFILTRATION OR FILTRATION SYSTEM, THE PERMITTEE(S) MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, SMALL SEDIMENTATION BASIN, OR WATER QUALITY INLET (E.G., GRIT CHAMBER) TO SETTLE PARTICULATES BEFORE THE STORMWATER DISCHARGES INTO THE INFILTRATION OF FILTRATION SYSTEM.

30. POST CONSTRUCTION

- THE WATER QUALITY VOLUME THAT MUST BE RETAINED ON SITE BY THE PROJECT'S PERMANENT STORMWATER MANAGEMENT SYSTEM DESCRIBED IN SECTION 15 SHALL BE ONE (1) INCH OF RUNOFF FROM THE NEW IMPERVIOUS SURFACES CREATED BY THE PROJECT. SEE SECTION 15. FOR MORE INFORMATION ON INFILTRATION DESIGN, PROHIBITIONS AND APPROPRIATE SITE CONDITIONS.
- 31. RESPONSIBILITIES
 - THE OWNER MUST IDENTIFY A CONTRACTOR WHO WILL OVERSEE THE SWPPP IMPLEMENTATION AND THE PERSON RESPONSIBLE FOR INSPECTION AND
 - THE OWNER MUST IDENTIFY THE A PERSON WHO WILL BE RESPONSIBLE FOR LONG TERM OPERATIONS AND MAINTENANCE OF THE PERMANENT STORMWATER MANAGEMENT SYSTEM:
- 32. TRAINING REQUIREMENTS

- THE PERMITTES(S) SHALL ENSURE THE FOLLOWING INDIVIDUALS IDENTIFIED IN THIS PART HAVE BEEN TRAINED IN ACCORDANCE WITH THIS PERMIT'S TRAINING REQUIREMENTS.
- 1. WHO MUST BE TRAINED:
- A. INDIVIDUAL(S) PREPARING THE SWPPP FOR THE PROJECT B. INDIVIDUAL(S) OVERSEEING IMPLEMENTATION OF, REVISING, AND/OR AMENDING THE SWPPP AND INDIVIDUALS(S) PERFORMING INSPECTIONS FOR THE PROJECT. ONE OF THESE INDIVIDUAL(S) MUST BE AVAILABLE FOR AN ONSITE INSPECTION
- C. INDIVIDUAL(S) PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. AT LEAST ONE INDIVIDUAL ON A PROJECT

WITHIN 72 HOURS UPON REQUEST BY THE MPCA.

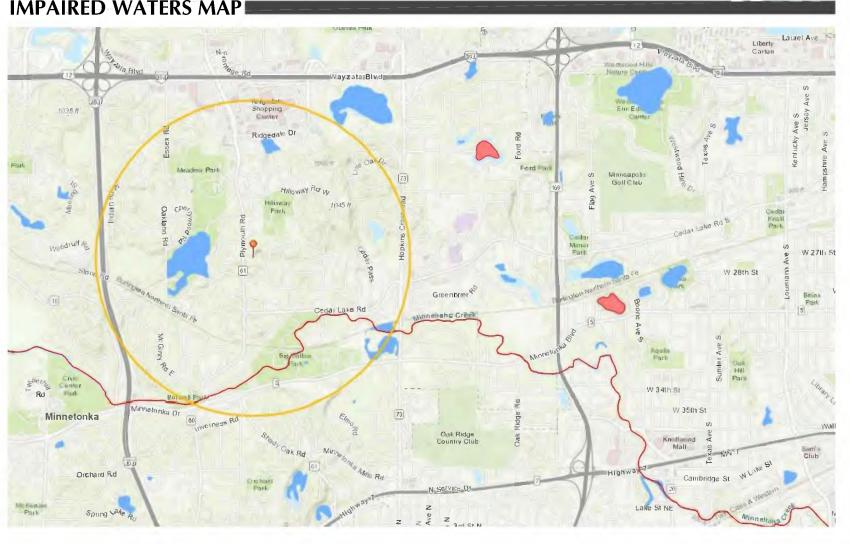
- MUST BE TRAINED IN THESE JOB DUTIES. 2. TRAINING CONTENT:
 - THE CONTENT AND EXTENT OF TRAINING MUST BE COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES COVERED UNDER THIS PERMIT FOR THE PROJECT. AT LEAST ONE INDIVIDUAL PRESENT ON THE PERMITTED PROJECT SITE (OR AVAILABLE TO THE PROJECT SITE IN 72 HOURS) MUST BE TRAINED IN THE JOB DUTIES DESCRIBED IN SECTION 21.2B AND SECTION 21.2C.
- 33. THE PERMITTEE(S) SHALL ENSURE THAT THE INDIVIDUALS ARE TRAINED BY LOCAL STATE, FEDERAL AGENCIES, PROFESSIONAL OR OTHER ENTITIES WITH EXPERTISE IN EROSION PREVENTION, SEDIMENT CONTROL, PERMANENT STORMWATER MANAGEMENT AND THE MINNESOTA NPDES/SDS CONSTRUCTION STORMWATER PERMIT. AN UPDATE REFRESHER-TRAINING MUST BE ATTENDED EVERY THREE (3) YEARS STARTING THREE (3) YEARS FROM THE ISSUANCE DATE OF THIS PERMIT.
- 33. LIST OF CONTACTS

| TITLE | NAME | COMPANY | PHONE NUMBER |
|-----------------|--------------------|----------------------------|--------------|
| OWNER | | LAKE WEST DEVELOPMENT, LLC | |
| PROJECT MANAGER | MICHAEL ST. MARTIN | LOUCKS | 763-496-6713 |
| ENGINEER SWPPP | ZACHARY WEBBER | LOUCKS | 763-496-6753 |
| CONTRACTOR | PENDING | | |
| SITE MANGER | | | |
| | | | |

* MPCA 24HR. HAZARDOUS SPILL HOTLINE: 651-649-5457 OF 80420798

CERTIFICATION

University of Minnesota Zachary H. Webber



LOCATED IN TOP 8 IN. SEE OPTIONAL METHOD DETAIL

STREAM BANK OR TOE OF SLOPE

J-HOOK INSTALLATION

PLAN VIEW

BRIDGE END SLOPE

GEOTEXTILE FABRIC, 36 IN. WIDE -

EMBANKMENT ~

TOE OF SLOPE -

SILT FENCE WRAPPED AROUND TOE OF EMBANKMENT

SILT FENCE ONLY (4)

CADD QUALIFICATION on other projects, for additions to this project, or for completion onsultant. With the Consultant's approval, others may be information and reference only. All intentional or unintentional made at the full risk of that party making such revisions, addition onsultant from any & all responsibilities, claims, and liabilities, SUBMITTAL/REVISIONS

08/25/2023 PRELIMINARY PLAT

FRETHAM 31ST

ADDITION

LAKE W

CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

7200 Hemlock Lane, Suite 300

LAND SURVEYING

ENVIRONMENTAL

763.424.5505

www.loucksinc.com

Maple Grove, MN 55369

DEVELOPMENT,

CEOTEXTILE FABRIC, 36 IN. WIDE — F. FT. MIN. LENGTH POST

6 IN. MIN.

-EMBANKMENT OR WORK ROAD END SLOPE

ARIABLE TYPE

LOCATION AT TOE OF ROADWAY EMBANKMENT

) TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 1 ACRE.

TO PROTECT AREAS FROM SHEET FLOW, MAXIMUM CONTRIBUTING AREA: 0.25 ACRE

TEMPORARY SEDIMENT CONTROL

NOTES: SEE SPECS. 2573, 3149 & 3886. D COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.

2-28-2017 | STANDARD PLAN 5-297.405 | 6 OF 8

→ WATER COURSE FLOW VELOCITY: STANDING CONTRIBUTING SLOPE AREA: 1./2 ACRE.

(5) WATER COURSE FLOW VELOCITY: 1 TO 7 FT./SEC. CONTRIBUTING SLOPE AREA: 1, ACRE.

(6) WATER COURSE FLOW VELOCITY: 8 TO 15 FT./SEC. CONTRIBUTING SLOPE AREA: 3 ACRES.

STAPLES (TYP.) -

AT 6 FT. MAX. SPACING

(50 LB. TENSILE) LOCATED IN TOP 8 IN.

EMBANKMENT ~

TOE OF SLOPE γ

SILT FENCE TO MEET SHEETING

SILT FENCE WITH SHEETING (6)

GEOTEXTILE FABRIC, 36 IN. WIDE-

TIRE COMPACTION ZONE

BRIDGE END SLOPE SAND BAG BARRIER 3

INSTALLATION AT BRIDGE EMBANKMENT ADJACENT TO WATER

STREAM BANK OR TOE OF SLOPE

PERSPECTIVE VIEW

OPTIONAL METHOD

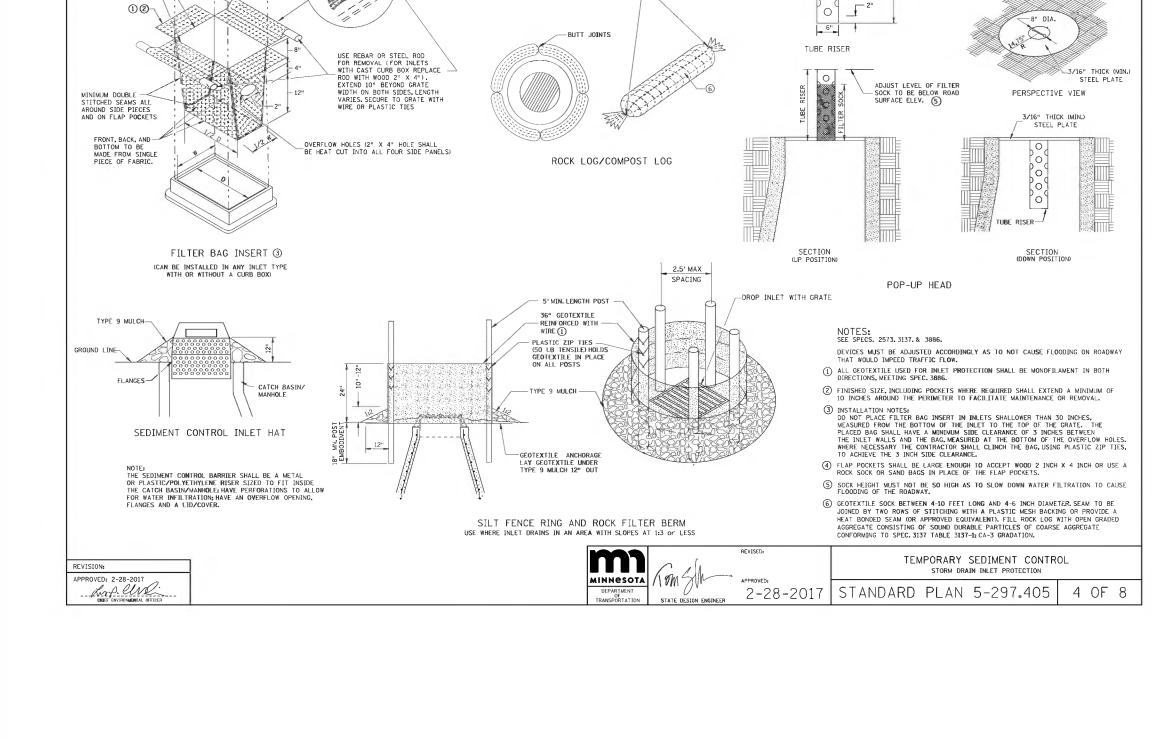
SILT FENCE TO MEET SAND BAG BARRIER

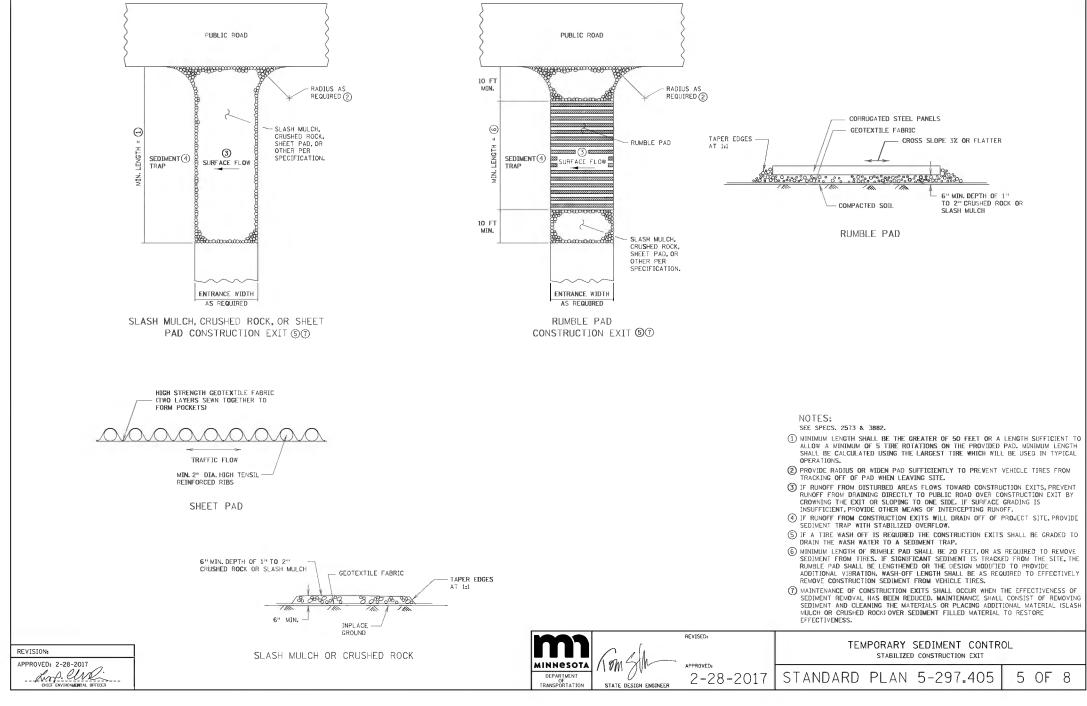
_ ROADWAY SHOULDER

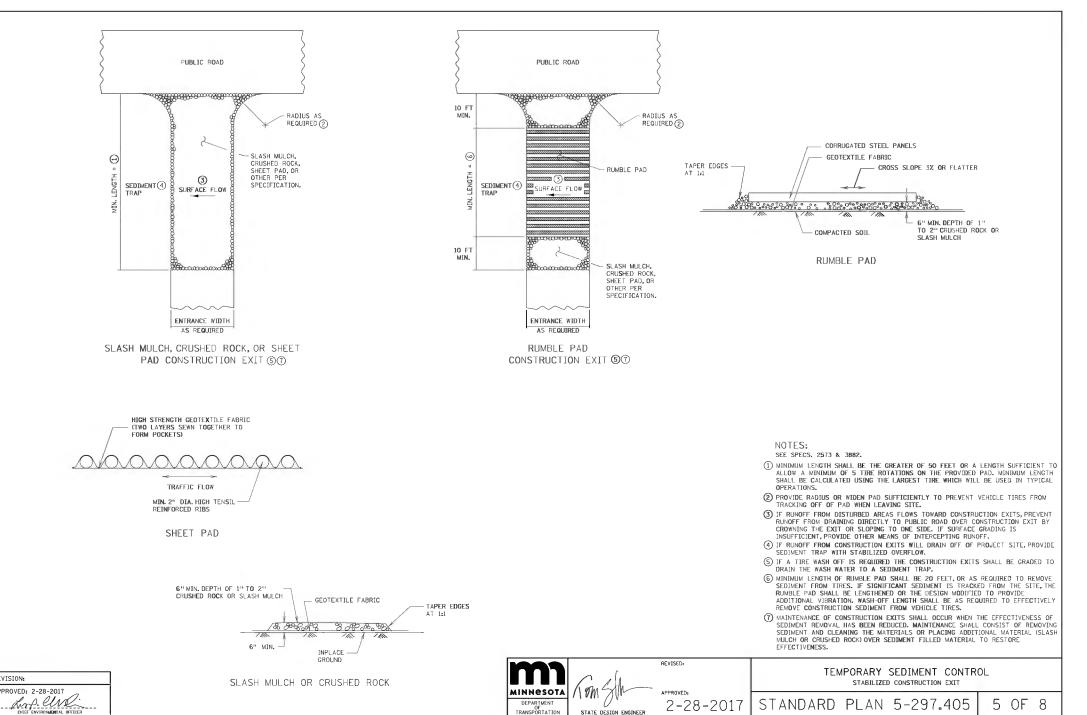
EMBANKMENT

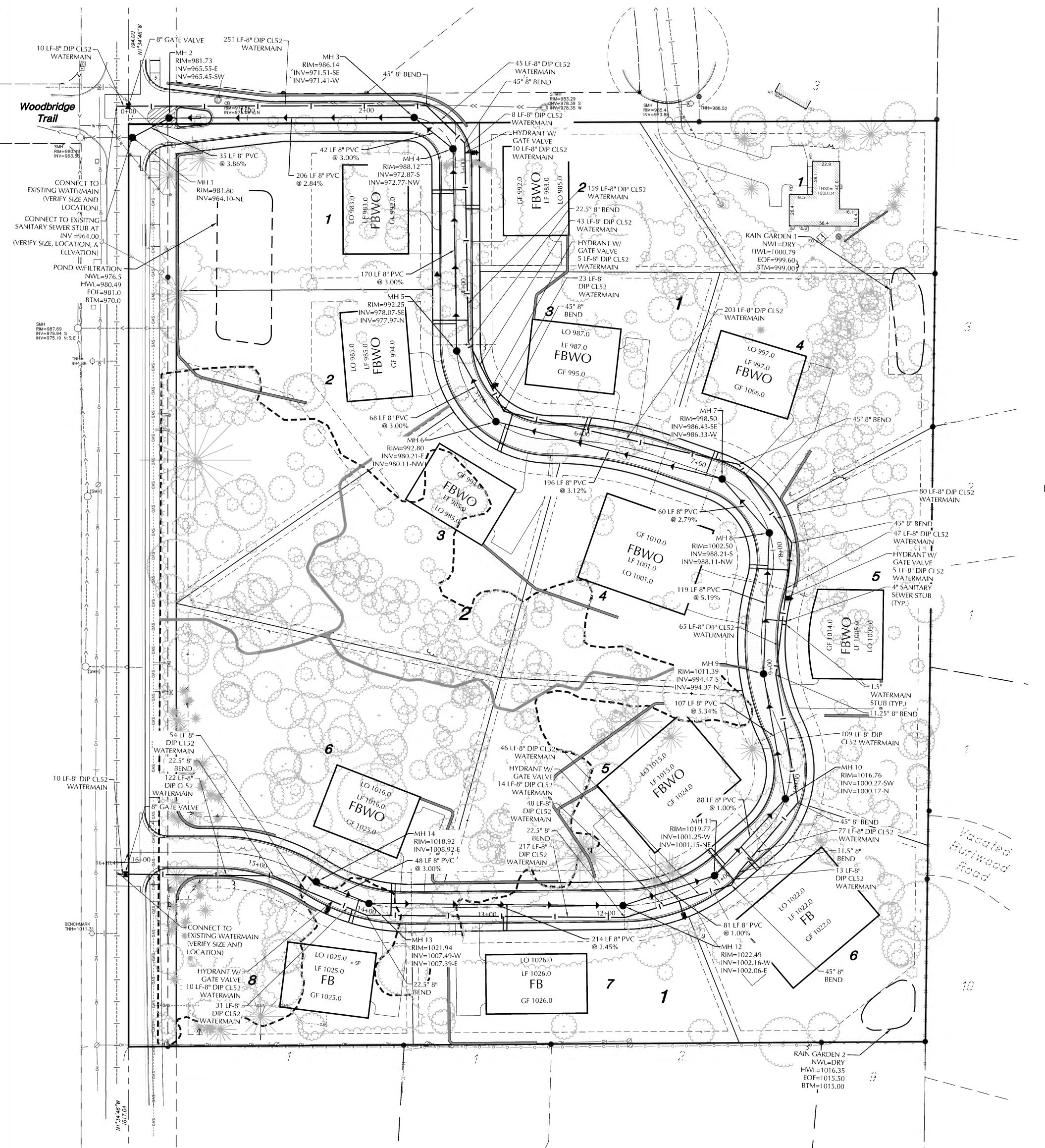
PROFESSIONAL SIGNATURE hereby certify that this plan, specification prepared by me or under my direct am a duly Licensed Professional L giveer under the QUALITY CONTROL 021509.0B Loucks Project No. MJS Project Lead Drawn By LAH/ZHW MJS Checked By 08/21/2023 Review Date SHEET INDEX COVER SHEET C1-1 **EIXSTING CONDITIONS** C1-2 DEMOLITION PLAN SITE PLAN **GRADING PLAN** C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN











UTILITY NOTES

- 1. ALL SANITARY SEWER, STORM SEWER AND WATERMAIN UTILITIES SHALL BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF THE SPECIFICATIONS, THE MINNESOTA PLUMBING CODE, THE LOCAL GOVERNING UNIT, AND THE STANDARD UTILITIES SPECIFICATION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), 2013 EDITION.
- 2. ALL UTILITY PIPE BEDDING SHALL BE COMPACTED SAND OR FINE GRANULAR MATERIAL. ALL COMPACTION SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CEAM SPECIFICATION AND THE GEOTECHNICAL REPORT.
- 3. ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE PERFORMED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CITY DEPARTMENT OF ENGINEERING AND BUILDING INSPECTIONS DEPARTMENT AND THE CONSTRUCTION ENGINEER MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT OF WAY, OR WORK IMPACTING PUBLIC UTILITIES.
- 4. ALL STORM SEWER , SANITARY SEWER AND WATER SERVICES SHALL TERMINATE 5' FROM THE BUILDING FACE UNLESS OTHERWISE NOTED.
- 5. A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FOR ALL UTILITES UNLESS OTHERWISE NOTED.
- 6. ALL NEW WATERMAIN AND SERVICES MUST HAVE A MINIMUM OF 7.5 FEET OF COVER. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES. THE CONTRACTOR SHALL FIELD ADJUST WATERMAIN TO AVOID CONFLICTS WITH SANITARY SEWER, STORM SEWER, AND SERVICES AS REQUIRED. INSULATION OF WATER AND SANITARY SEWER LINES SHALL BE PROVIDED WHERE 7.5 FEET MINIMUM DEPTH CAN NOT BE ATTAINED.
- 7. ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 8. PROPOSED PIPE MATERIALS:
 WATERMAIN DIP CL52

SANITARY SEWER PVC

8" DIAMETER 8" DIAMETER

9. ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) AND THE CITY. THIS SHALL INCLUDE ALL SIGNAGE, BARRICADES, FLASHERS AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES. NO ROAD CLOSURES SHALL BE PERMITTED WITHOUT THE EXPRESSED AUTHORITY OF OF THE CITY.

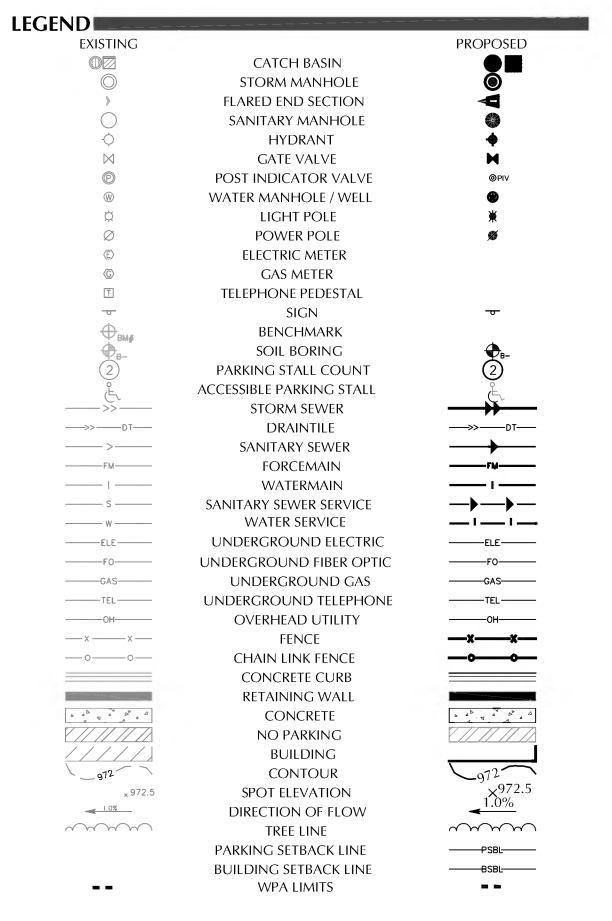
10. THE CITY SHALL OPERATE ALL GATE VALVES.

11.CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORE DRILLING THE MANHOLE AT THE PROPOSED INVERT ELEVATIONS AND INSTALLING A RUBBER BOOT. GROUT IN THE BOOT AND AN INVERT FOR THE NEW SEWER LINE.

12.PIPE LENGTHS SHOWN ON THE PLAN INCLUDE THE APRON SECTION.

13. WATERMAIN PIPE SHALL BE DIP CLASS 52, INSTALLED WITH 7.5 FEET OF COVER TO TOP PIPE. FITTINGS SHALL BE COMPACT TYPE. PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR LINING. CONDUCTIVITY SHALL BE PROVIDED BY WELDED STRAPS ACROSS EACH JOIN.T

14. TRENCH COMPACTION SHALL BE 95% STANDARD PROCTOR DENSITY IN THE AREA FROM THE PIPE ZONE TO WITHIN 3 FEET OF FINISHED GRADE AND 100% IN FINAL 3 FEET OF THE BACKFILL TO FINISH GRADE.





DURING CONSTRUCTION AT NO COST TO THE OWNER.

WARNING:

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THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES,

CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED

40 80

SCALE IN FEET



LAKE WES DEVELOPMENT, LLo 14525 Highway 7, Suite 20 Minnetonka, MN 5534

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CADD GUALIFICATION

CADD files prepared by the Consultant for this project are instruments of the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of that party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS
08/25/2023 PRELIMINARY PLAT



Project Lead

Drawn By

MJS

LAH/ZHW

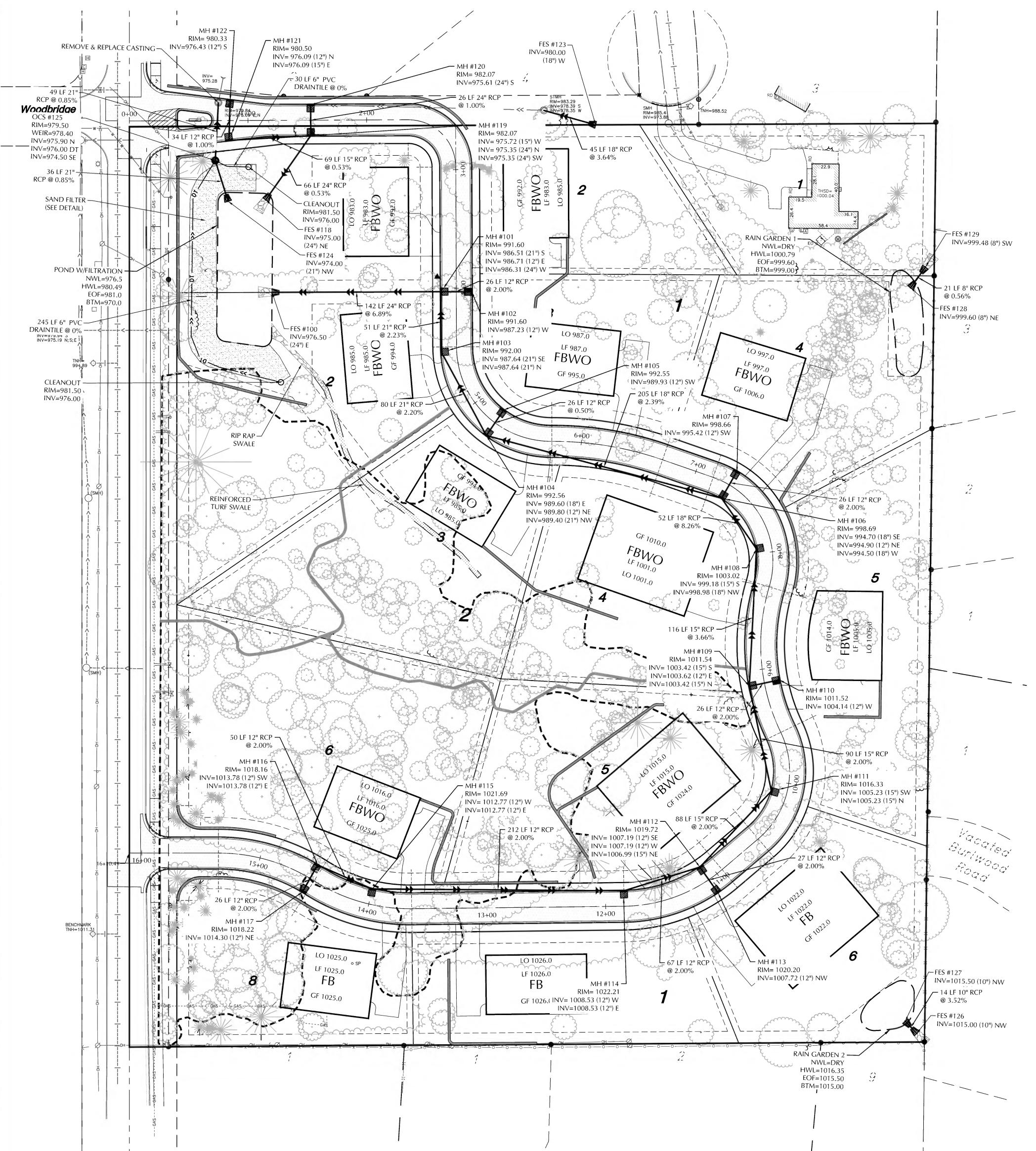
Checked By Review Date 08/21/2023

SHEET INDEX

CO-1 COVER SHEET C1-1 EIXSTING CONDITIONS C1-2 DEMOLITION PLAN C2-1 SITE PLAN C3-1 GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN

C4-2 STORM SEWER PLAN
C6-1 PRELIMINARY PLAT
C8-1 TO C8-3 CIVIL DETAILS
L1-1 TO L1-3 TREE INVENTORY
L1-4 TREE PRESERVATION PLAN
L1-5 TO L1-7 TREE REMOVALS PLAN





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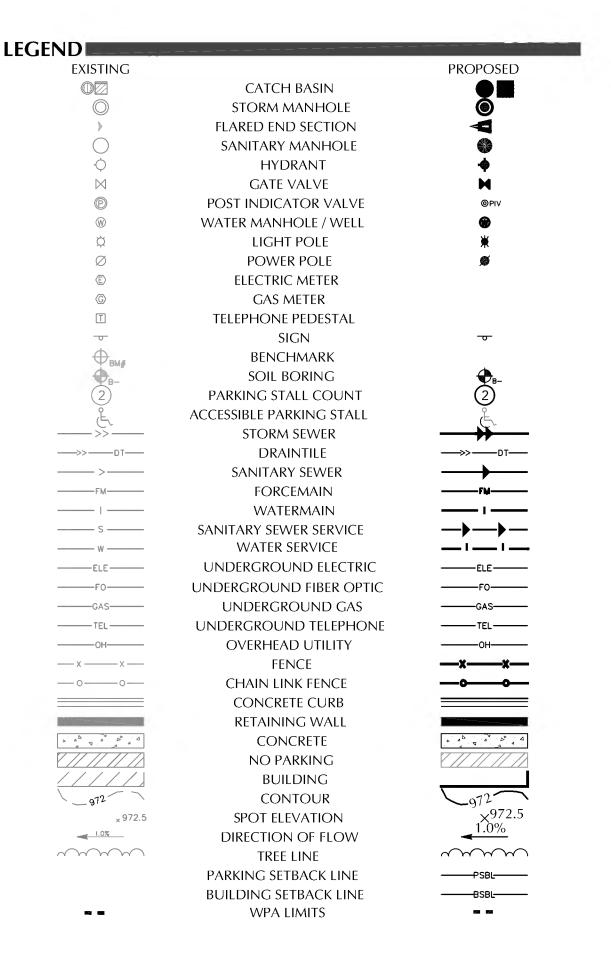
6. PROPOSED PIPE MATERIALS:

STORM SEWER RCP & PVC

UNLESS OTHERWISE NOTED.

8" TO 24" DIAMETER

- 7. ALL PORTIONS OF THE STORM SEWER SYSTEM, INCLUDING CATCH BASINS, LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED ACCORDANCE WITH MINNESOTA RULES, PART
- 8. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE GASTIGHT OR WATERTIGHT (SEE MINNESOTA RULES, PART 4715.0700). APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES, CATCHBASINS, AND OTHER STRUCTURES.
- 9. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINS MUST COMPLY WITH MINNESOTA RULES, PART 4715.0540:
- a. PIPES 4-INCH TO 10-INCH IN SIZE MUST COMPLY WITH AASHTO M252.b. PIPES 12-INCH TO 60-INCH IN SIZE MUST COMPLY WITH ASTM F2306.
- c. ALL FITTINGS MUST COMPLY WITH ASTM D3212.d. WATER-TIGHT JOINTS MUST BE USED AT ALL CONNECTIONS INCLUDING STRUCTURES.
- 12. CONTRACTOR AND MANHOLE FABRICATOR SHALL SUMP (LOWER) ALL STORM SEWER CATCH BASIN CASTINGS WITHIN PAVED AREAS 0.16 FEET OR 2-INCHES BELOW THE RIM ELEVATION DEPICTED ON THE UTILITY PLAN.
- 13.ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) AND THE CITY. THIS SHALL INCLUDE ALL SIGNAGE, BARRICADES, FLASHERS AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES. NO ROAD CLOSURES SHALL BE PERMITTED WITHOUT THE EXPRESSED AUTHORITY OF OF THE CITY.
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Gopher State One Ca

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

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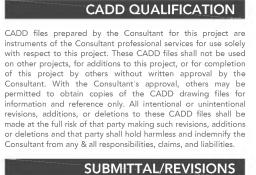






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08/25/2023 PRELIMINARY PLAT



| Review Date | 08/21/2023 |
|--------------|----------------------------|
| | SHEET INDEX |
| C0-1 | COVER SHEET |
| C1-1 | EIXSTING CONDITIONS |
| C1-2 | DEMOLITION PLAN |
| C2-1 | SITE PLAN |
| C3-1 | GRADING PLAN |
| C3-2 TO C3-3 | SWPPP PLAN & NOTES |
| C4-1 SANITA | RY & WATERMAIN PLAN |
| C4-2 | STORM SEWER PLAN |

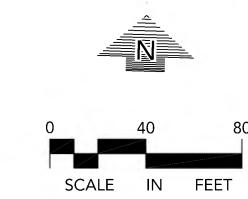
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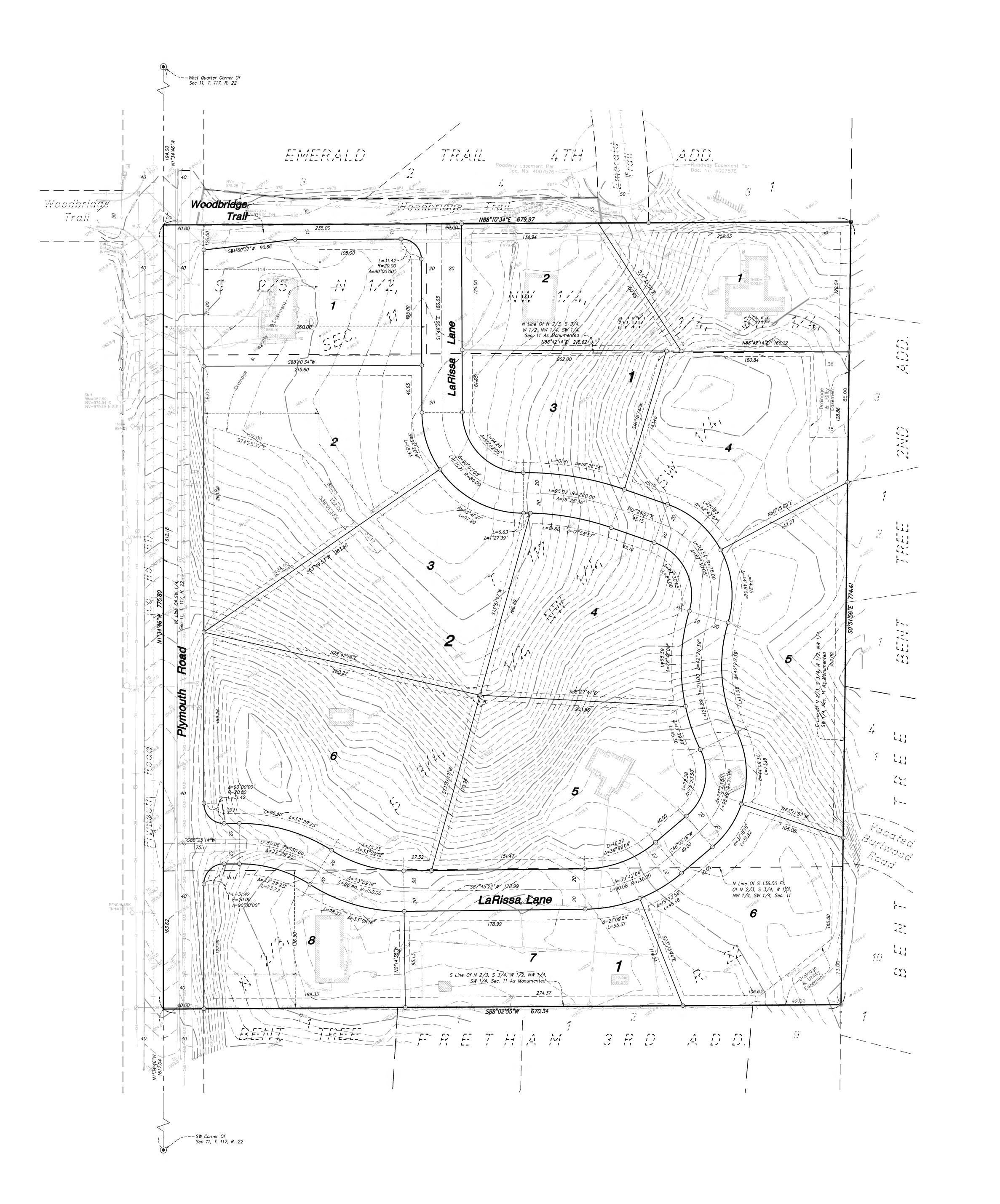
LAH/ZHW

MJS

C4-2 STORM SEWER PLAN
C6-1 PRELIMINARY PLAT
C8-1 TO C8-3 CIVIL DETAILS
L1-1 TO L1-3 TREE INVENTORY
L1-4 TREE PRESERVATION PLAN
L1-5 TO L1-7 TREE REMOVALS PLAN







LEGAL DESCRIPTION

The South 136.50 feet of the North 2/3 of the South 3/4 of the West 1/2 of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, according to the United States Government Survey thereof, Hennepin County, Minnesota.

The North 2/3 of the South 3/4 of the West 1/2 of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, except the South 136.50 feet thereof, according to the United States Government Survey thereof, Hennepin County, Minnesota.

The West 260.00 feet of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 117, Range 22, Hennepin County, Minnesota, except

That part of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 lying East of the West 260.00 feet thereof, Hennepin County, Minnesota.

GENERAL NOTES

Abstract Property.

SURVEYOR: Loucks OWNER/DEVELOPER: Lakewest Development, LLC 14525 Highway 7, Suite 265 Minnetonka, MN 55345 952-653-1346 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55330 763-424-5505

1. Prepared August 25, 2023.

- 2. The address, as disclosed in documents provided to the surveyor, obtained by the surveyor, or observed while conducting the fieldwork is 2503, 2505, 2511 and 2615 Plymouth Road, Minnetonka, Minnesota 55305.
- 3. The bearings for this survey are based on the Hennepin County Coordinate System NAD 83 (1986 Adjust).
- Benchmark: MnDOT 2789 AH (Disk In Bridge Railing)
 In Minnetonka; in a bridge railing at the southeast corner of CR61/Plymouth Rd Bridge No. 27736 over I-394; at I-394 milepoint 0.75; 0.8 mile east along I-394 from the junction of I-394 and I-494; 28.0 feet east of CR 61.
 Elevation = 898.52 feet (NGVD29)

Site Benchmark: Top nut of hydrant located on west side of Plymouth Road near the southwest corner of the property, shown hereon. Elevation = 1011.31 feet (NGVD29)

- 5. This property is contained in Zone X (areas determined to be outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map No. 27053C0329F, Community Panel No. 270173 0329 F, effective date of November 4, 2016.
- 6. The field work was completed on October 6, 2021.
- 7. This property is currently under construction. All monuments will be set after construction is completed, or within one year of the plat being filed.

ZONING INFORMATION Current Zoning: R-1 (Low Density Residential District)

35 Feet (Local & Neighborhood Collector Streets) 50 Feet (Major Collector & Arterial Roadways) 10 Feet Min. (Must Combine To Total 30 Feet) Side Yard: Lesser of 40 Feet Min. Or 20% Of Lot Depth

Proposed Zoning: R-1 (Low Density Residential District)

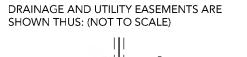
Proposed Setbacks:

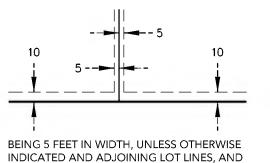
20 Feet (Local & Neighborhood Collector Streets) 50 Feet (Major Collector & Arterial Roadways) Side Yard: 10 Feet Min. (Must Combine To Total 30 Feet) Lesser of 40 Feet Min. Or 20% Of Lot Depth

| Areas: | | | |
|------------------------------|---|---------------------------|----------------|
| Lot 1, Block 1 | = | 26,559 +/- square feet or | 0.61 +/- acres |
| Lot 2, Block 1 | = | 22,107 +/- square feet or | 0.51 +/- acres |
| Lot 3, Block 1 | = | 22,009 +/- square feet or | 0.50 +/- acres |
| Lot 4, Block 1 | = | 32,694 +/- square feet or | 0.75 +/- acres |
| Lot 5, Block 1 | = | 34,079 +/- square feet or | 0.78 +/- acres |
| Lot 6, Block 1 | = | 30,109 +/- square feet or | 0.69 +/- acres |
| Lot 7, Block 1 | = | 26,690 +/- square feet or | 0.57 +/- acres |
| Lot 8, Block 1 | = | 24,201 +/- square feet or | 0.56 +/- acres |
| Lot 1, Block 2 | = | 26,380 +/- square feet or | 0.61 +/- acres |
| Lot 2, Block 2 | = | 41,236 +/- square feet or | 0.95 +/- acres |
| Lot 3, Block 2 | = | 37,541 +/- square feet or | 0.86 +/- acres |
| Lot 4, Block 2 | = | 30,713 +/- square feet or | 0.70 +/- acres |
| Lot 5, Block 2 | = | 37,545 +/- square feet or | 0.86 +/- acres |
| Lot 6, Block 2 | = | 46,135 +/- square feet or | 1.06 +/- acres |
| Right of Way Dedication Area | = | 87,271 +/- square feet or | 2.00 +/- acres |

Total Property Area

= 87,271 +/- square feet or 2.00 +/- acres= 523,269 +/- square feet or 12.01 +/- acres





INDICATED AND ADJOINING LOT LINES, AND BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, AND ADJOINING RIGHT-OF-WAY AND BOUNDARY LINES, AS SHOWN ON THE



LAKE WE DEVELOPMENT, L

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SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

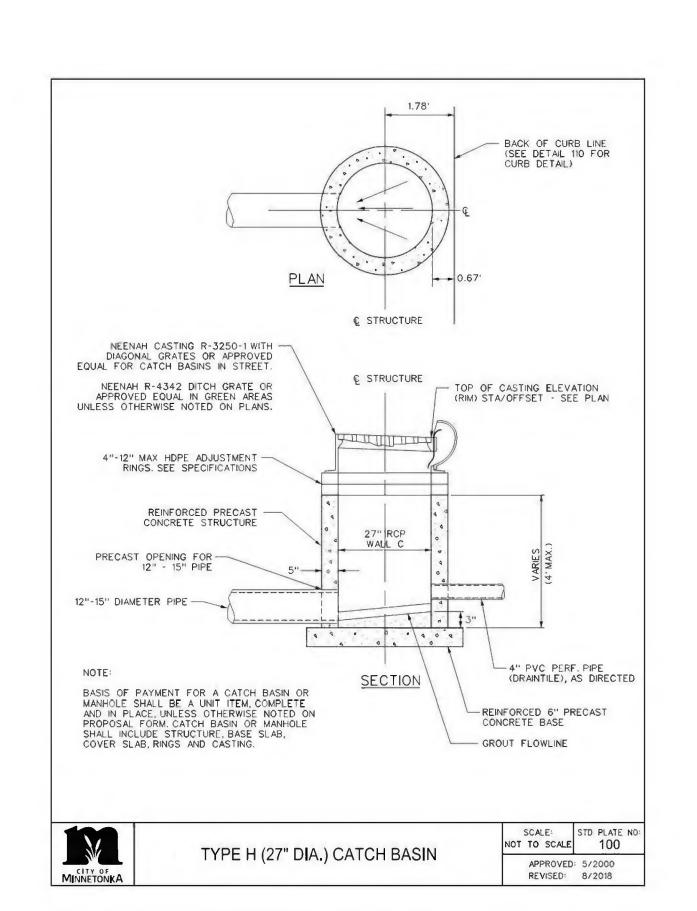
PROFESSIONAL SIGNATURE I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of

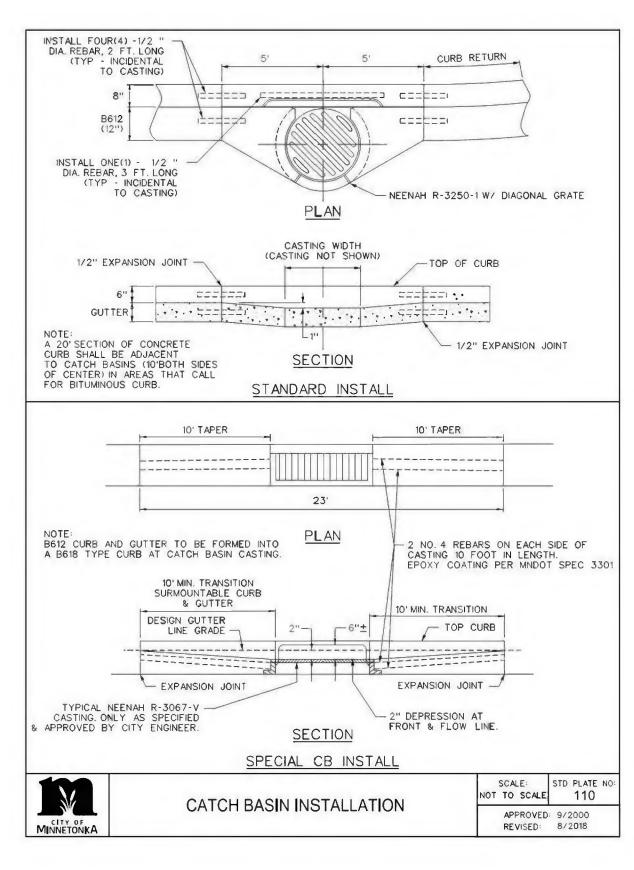
08/25/23 QUALITY CONTROL Loucks Project No. 21509B MLS Project Lead Drawn By MLS Checked By Field Crew

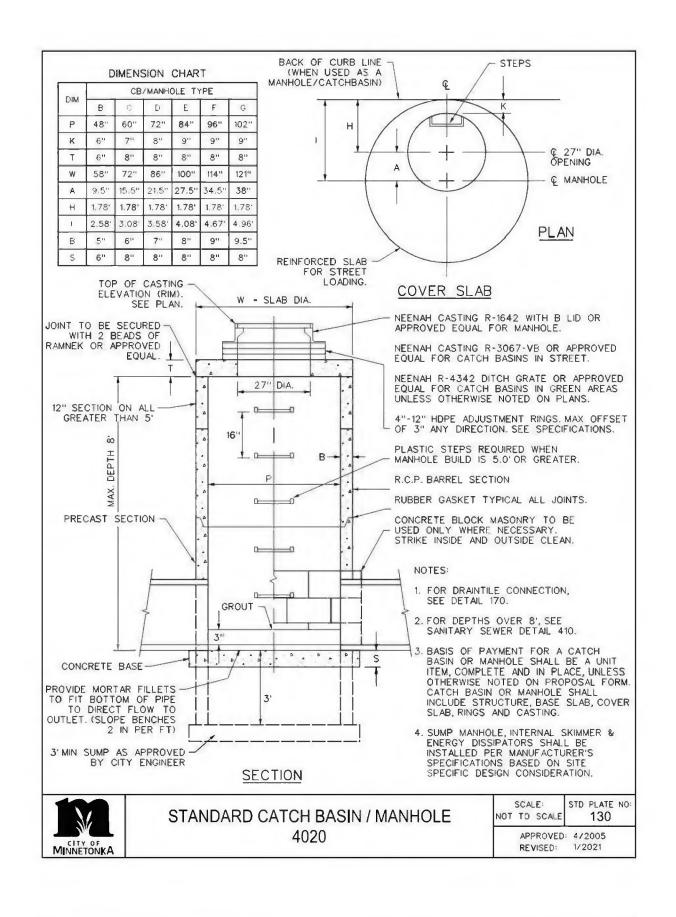
COVER SHEET EIXSTING CONDITIONS DEMOLITION PLAN SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS TREE INVENTORY L1-4 TREE PRESERVATION PLAN

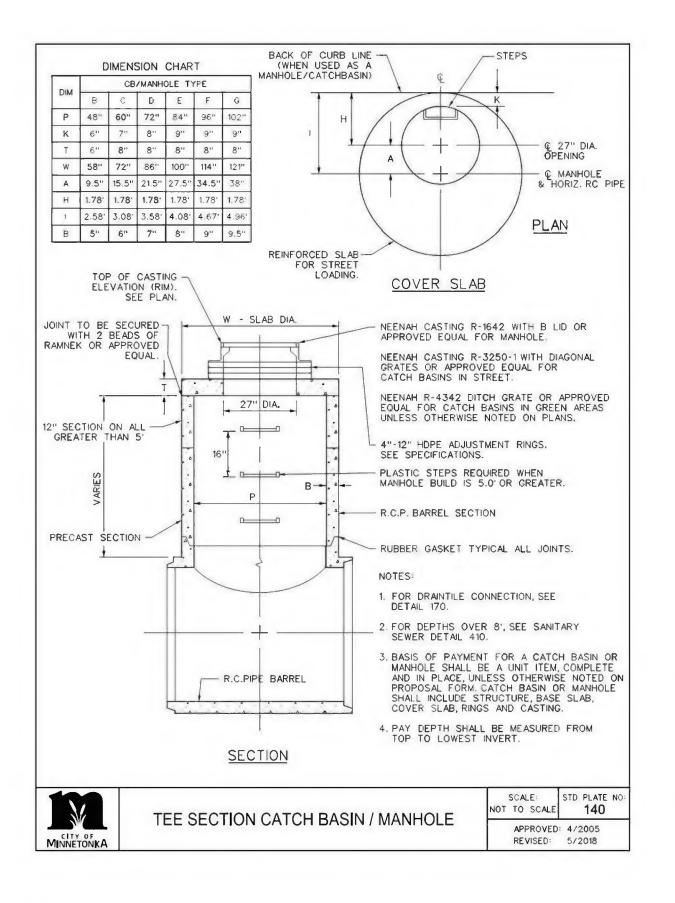
L1-5 TO L1-7 TREE REMOVALS PLAN

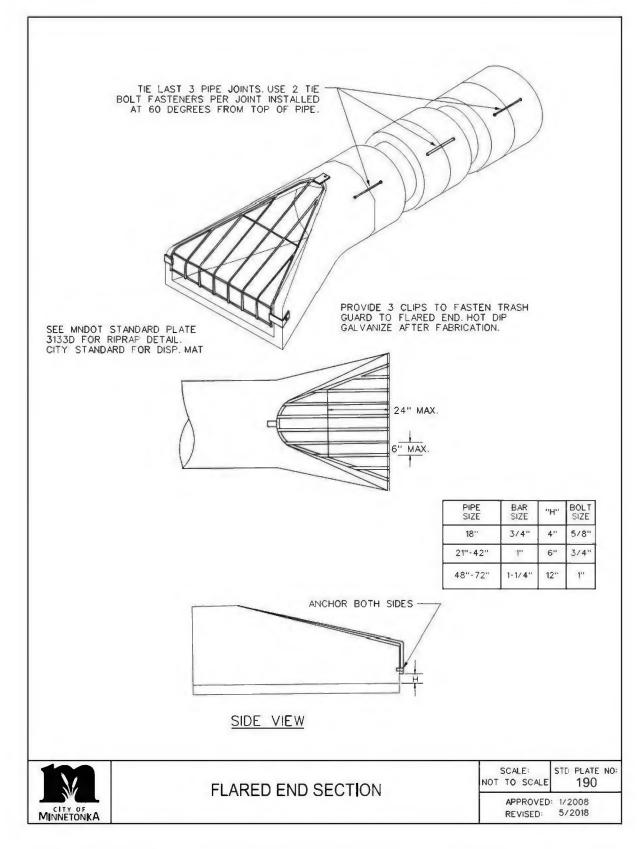


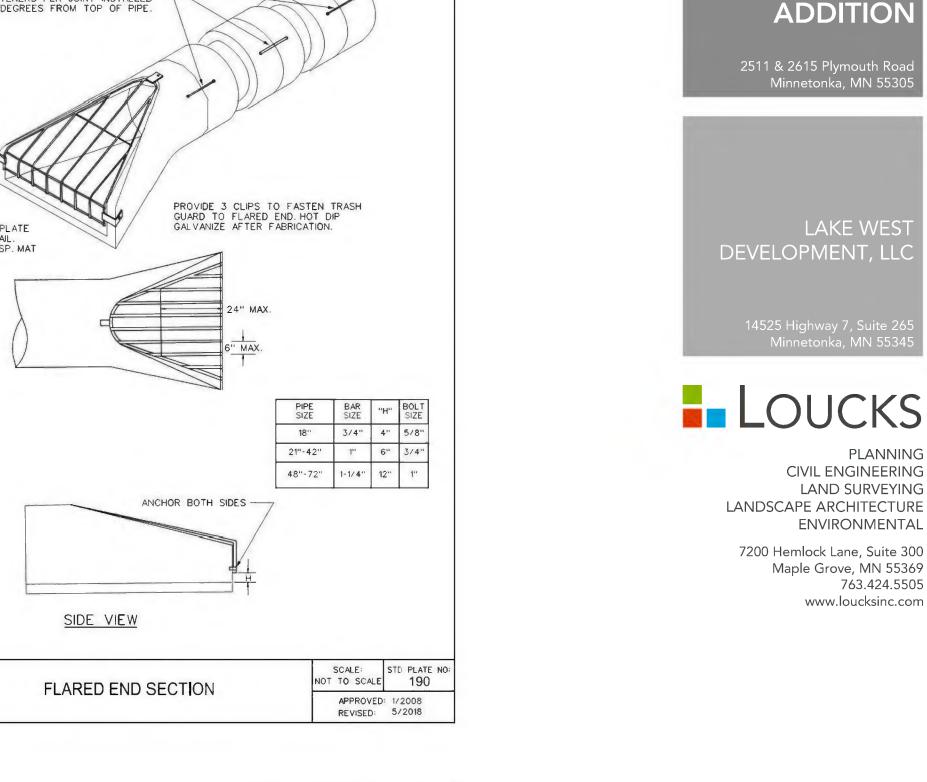


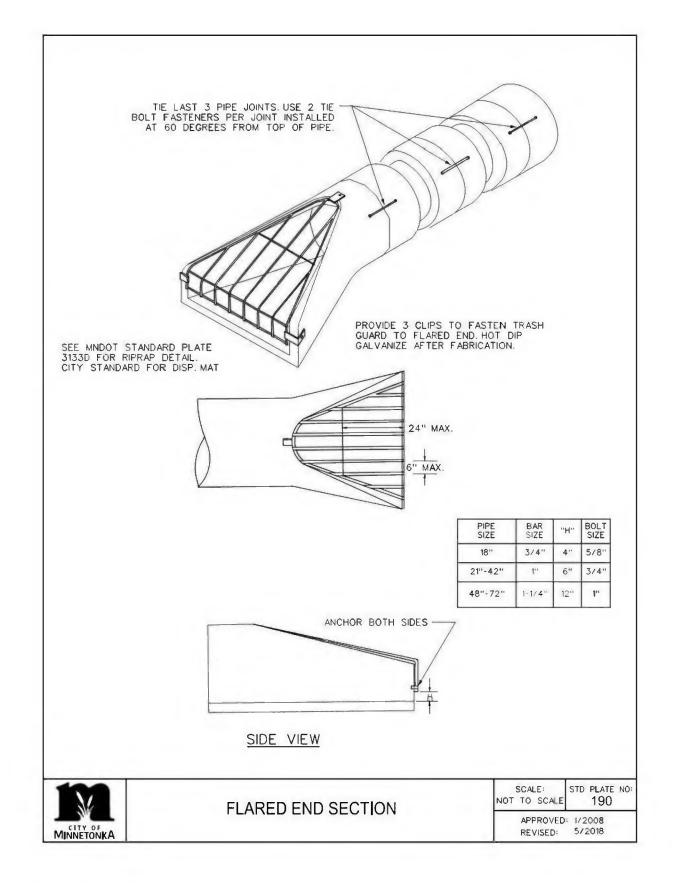


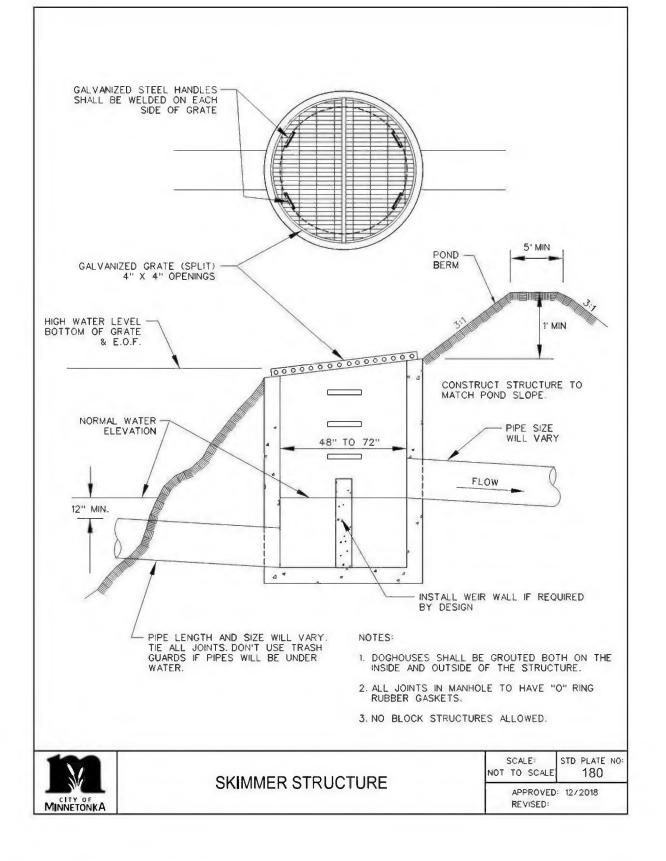


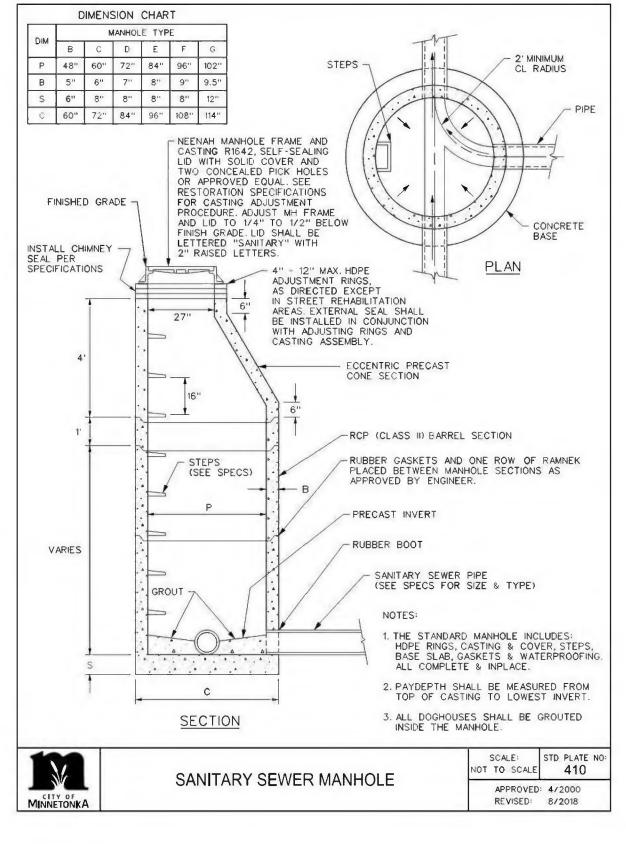


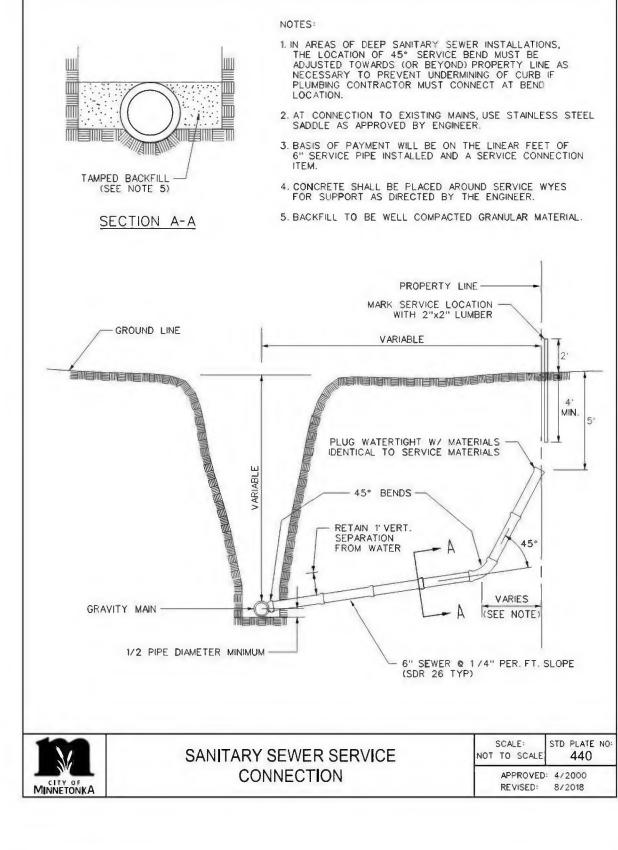


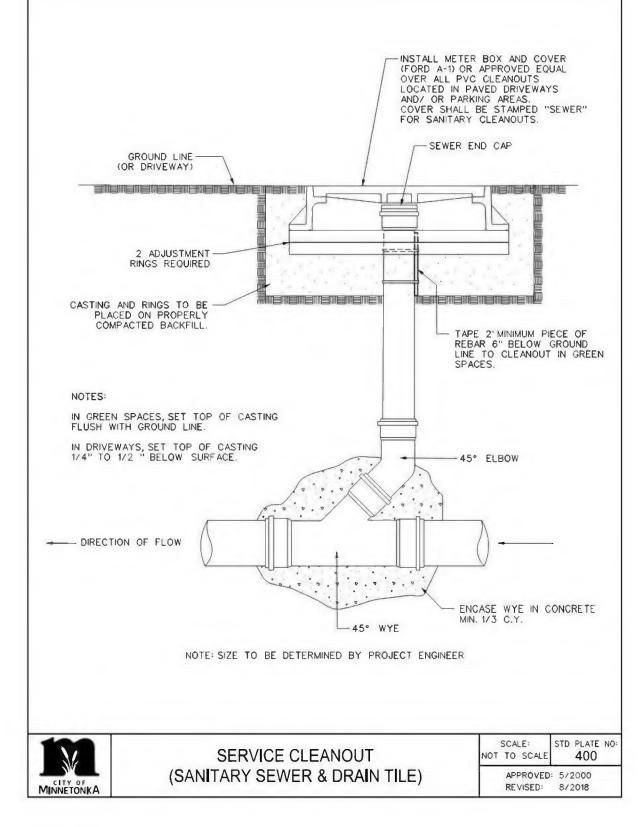


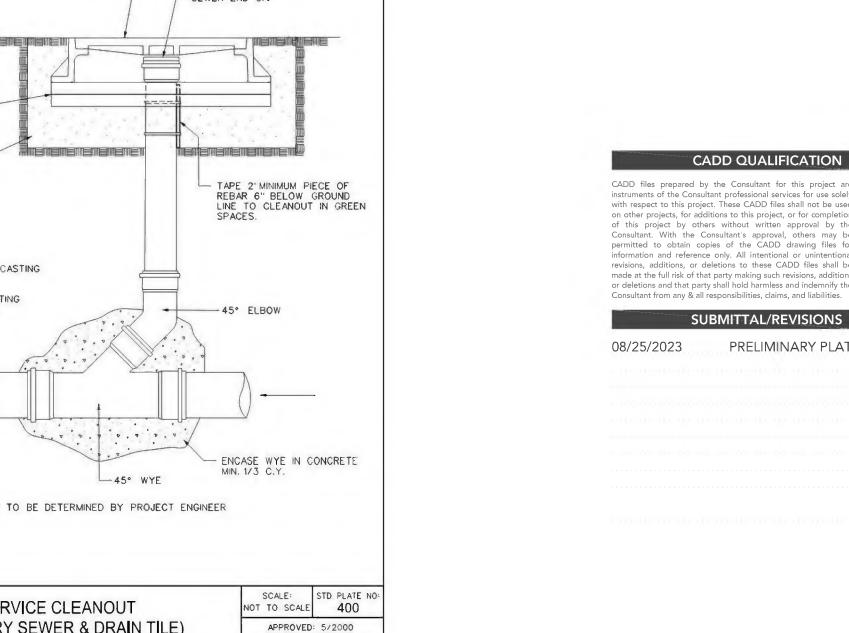


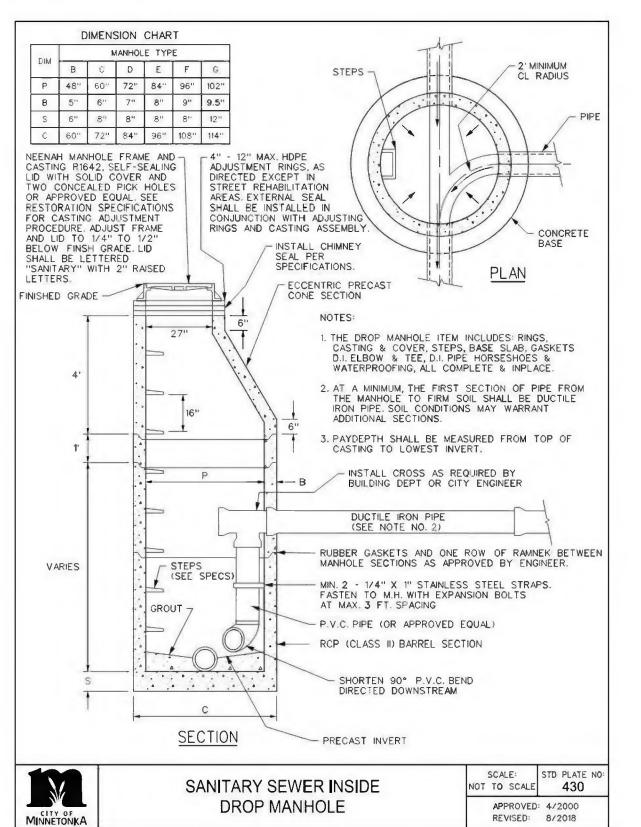


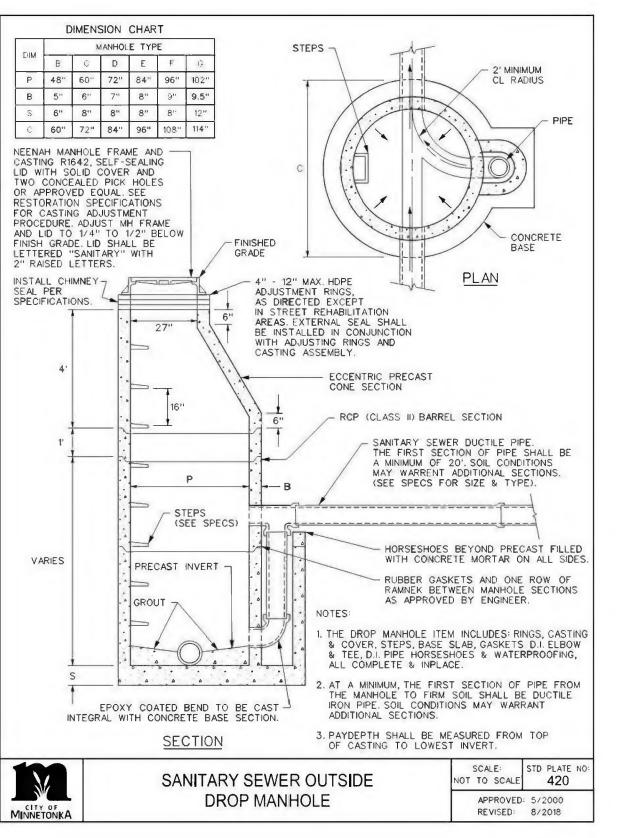


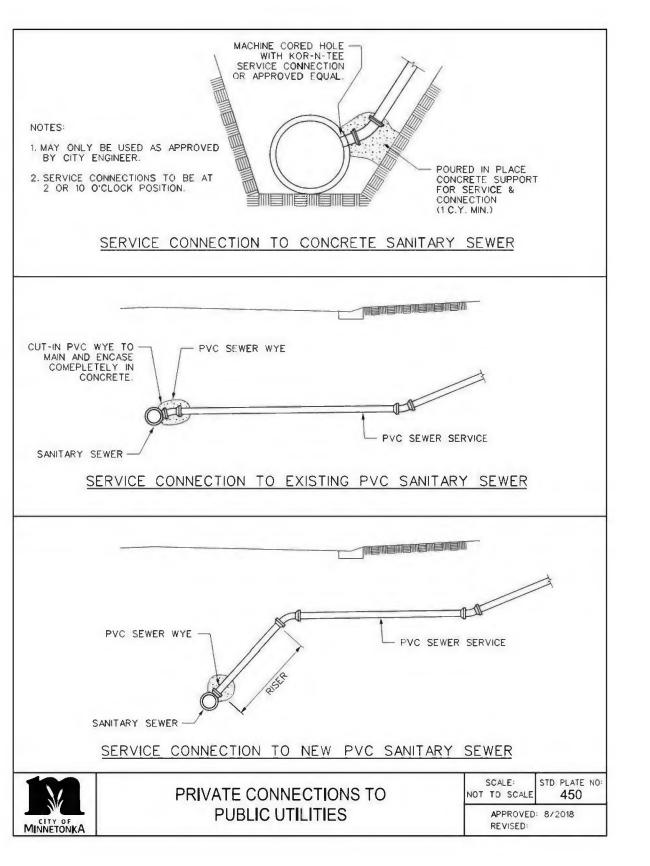


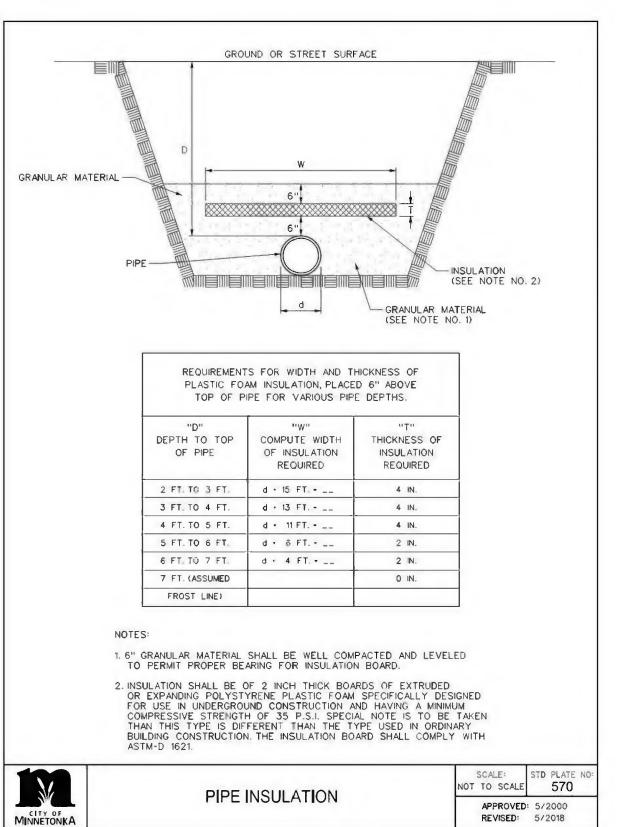


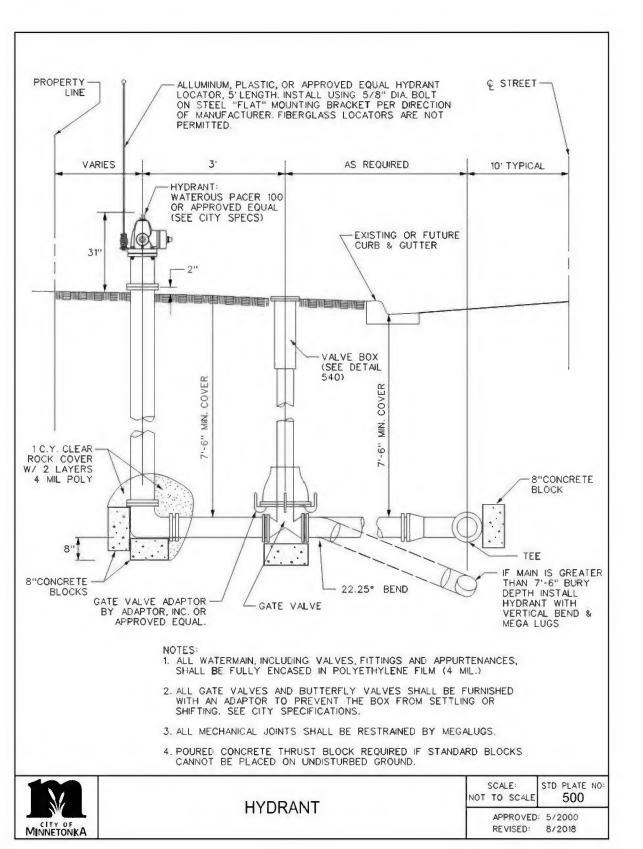


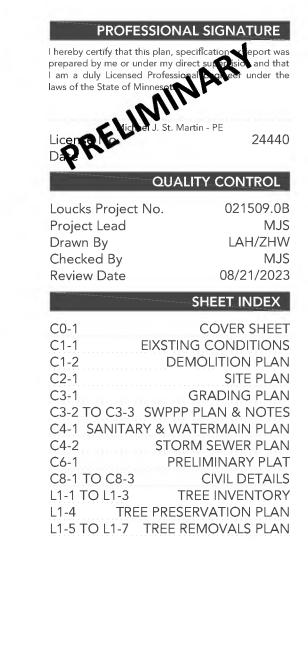












FRETHAM 31ST

LAKE W

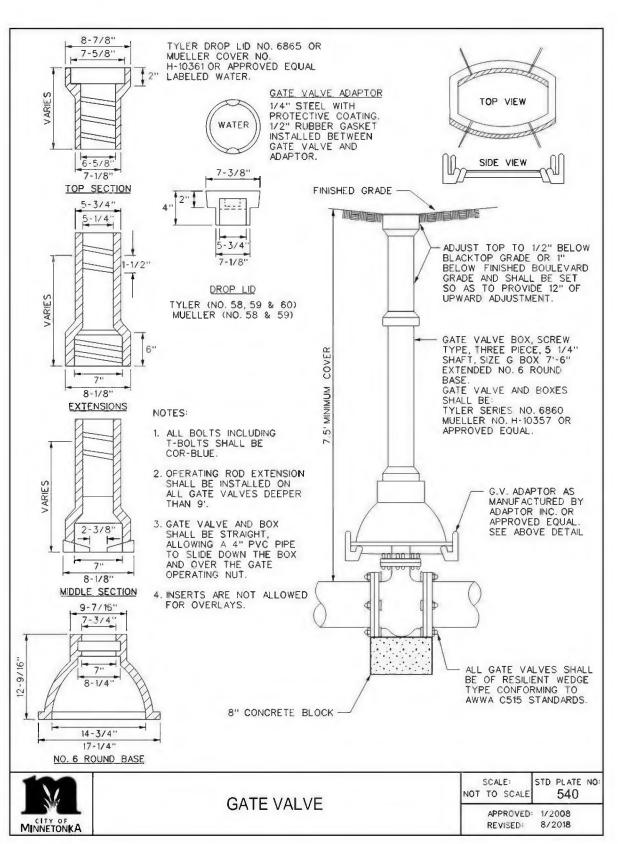
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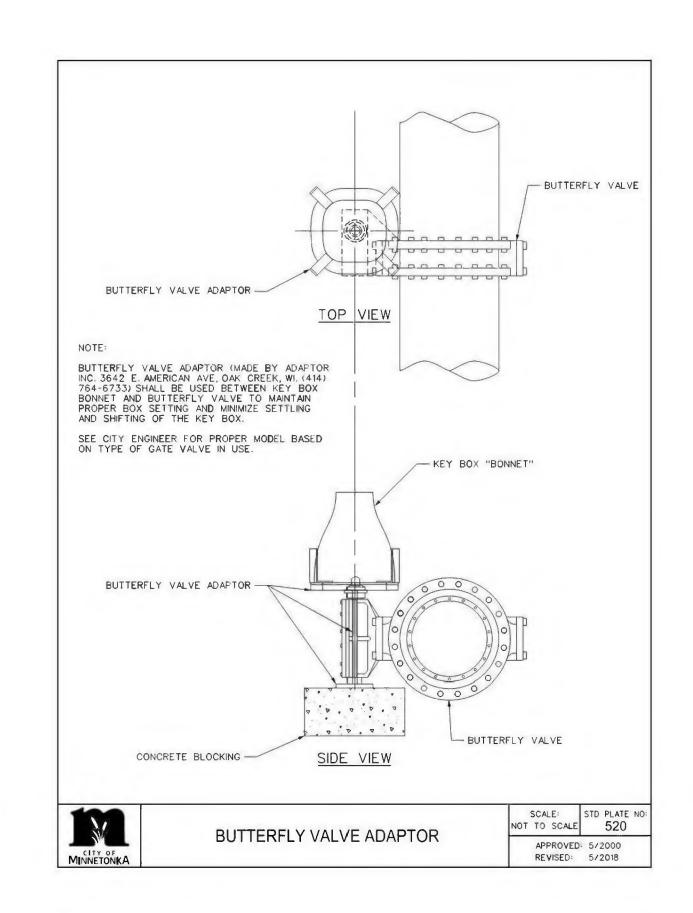
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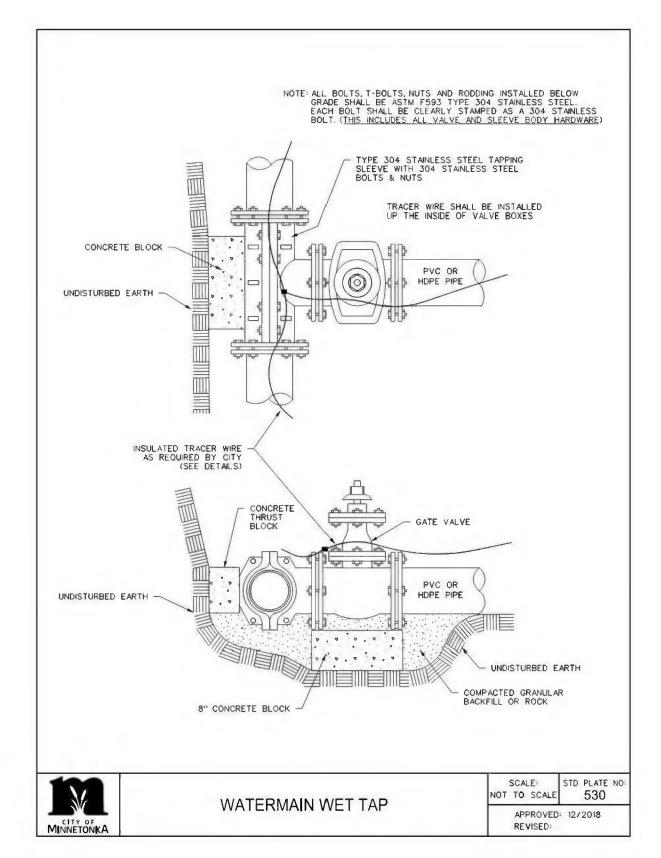
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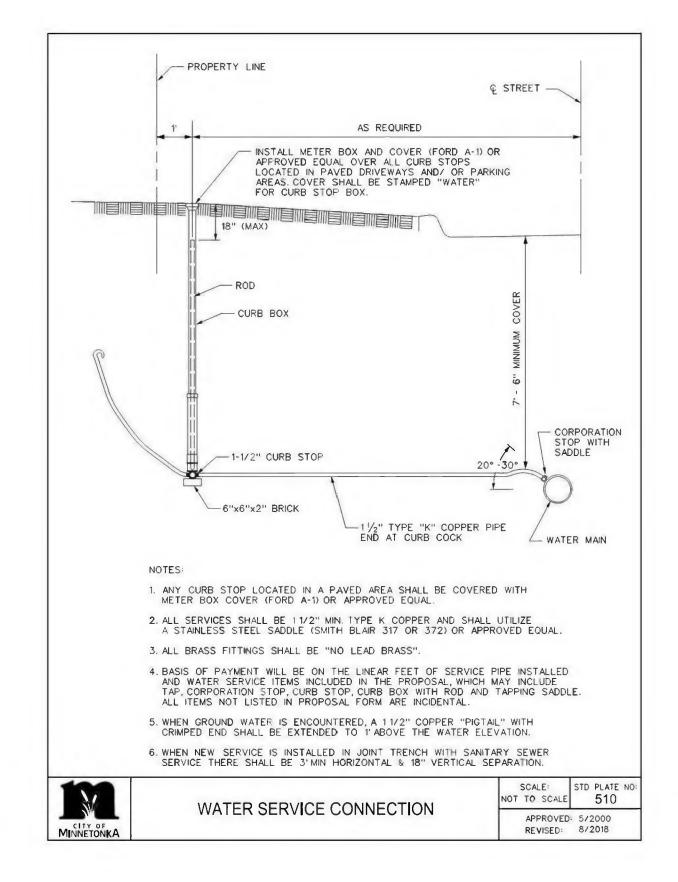
763.424.5505

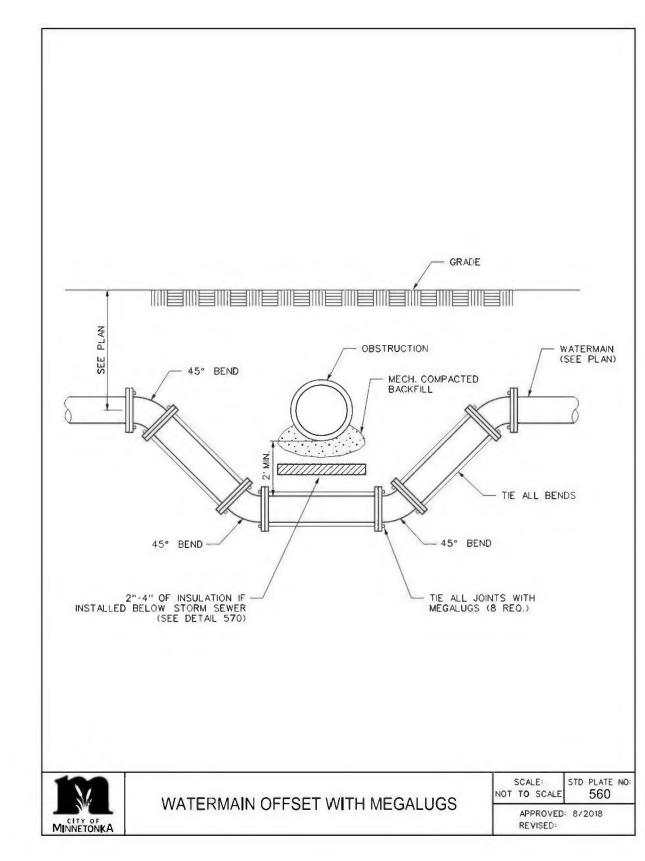
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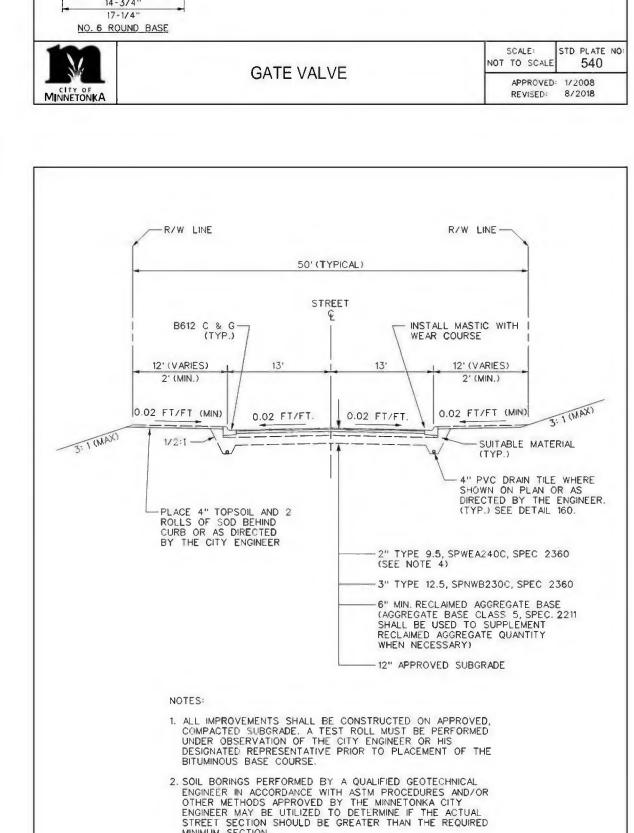










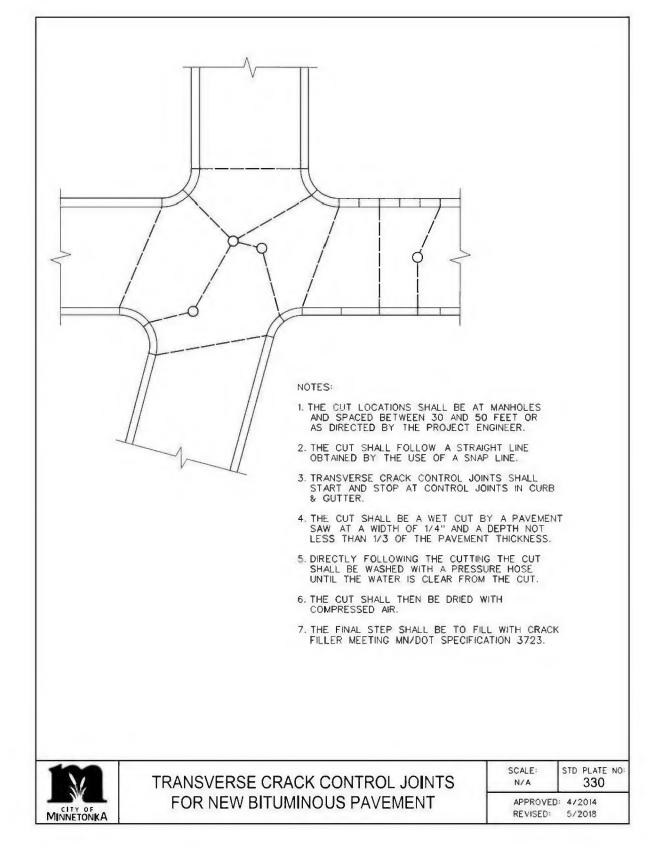


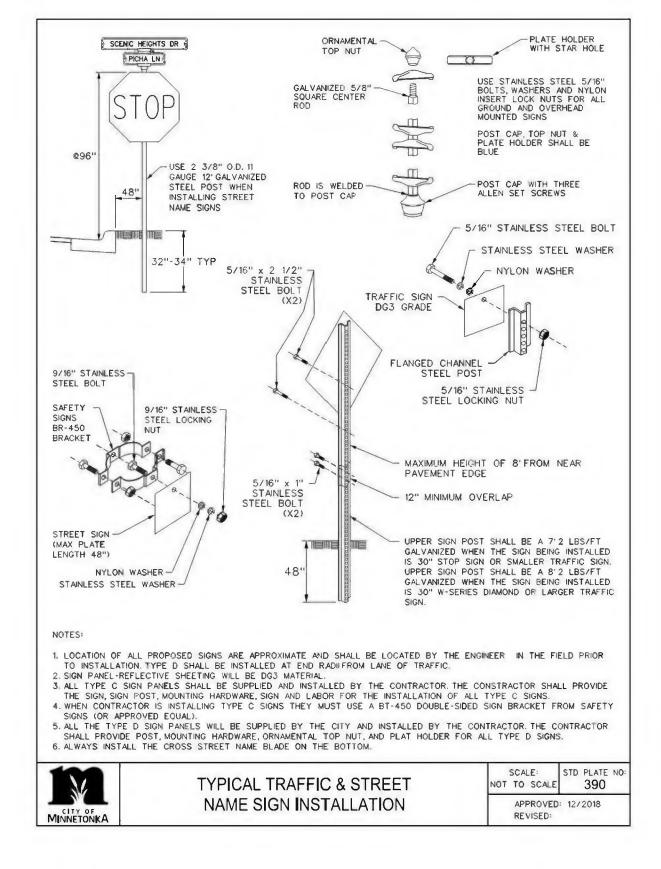
 CERTAIN SOIL CONDITIONS MAY REQUIRE SUBSURFACE DRAINAGE IMPROVEMENTS.

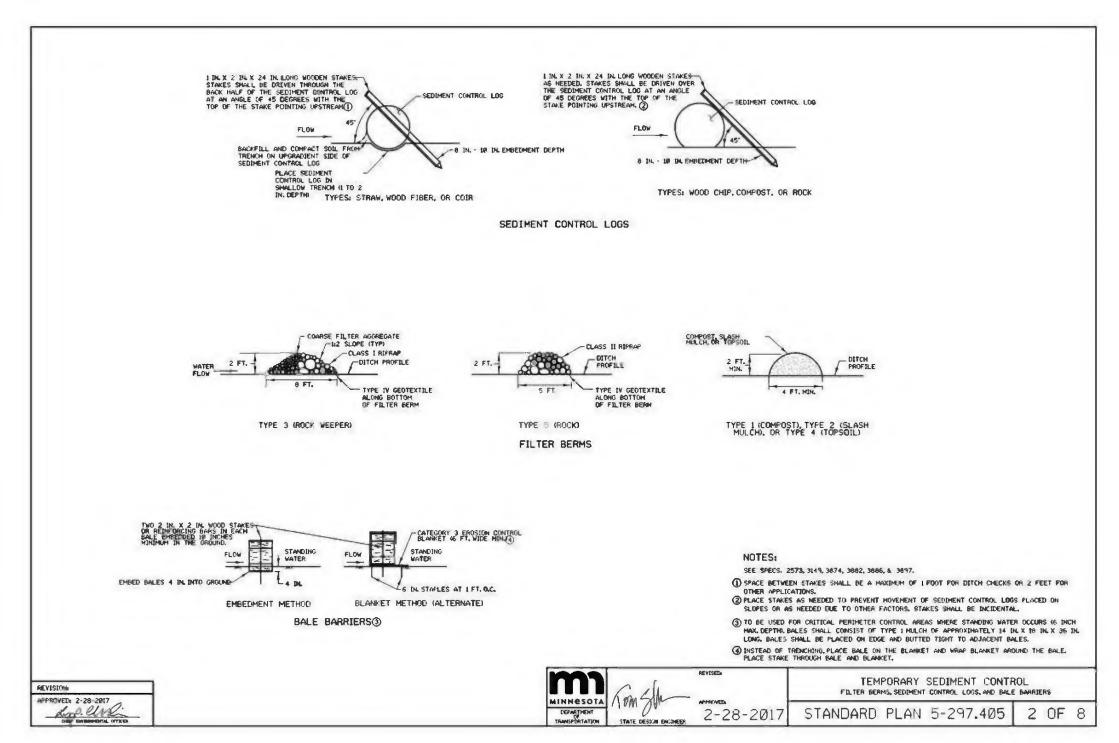
MINIMUM STANDARD STREET SECTION

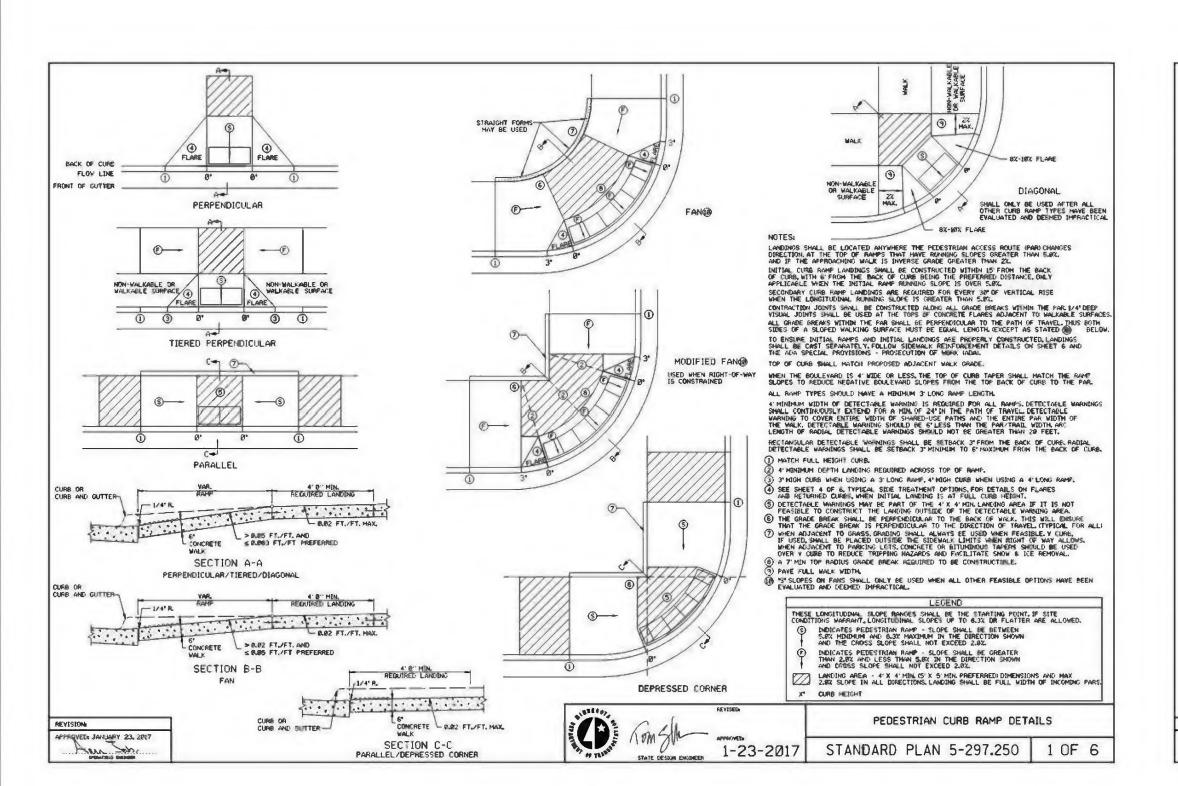
MINNETONKA

4. CONTRACTOR SHALL USE B OIL FOR ALL PAVEMENT MILL & OVERLAY PROJECTS.







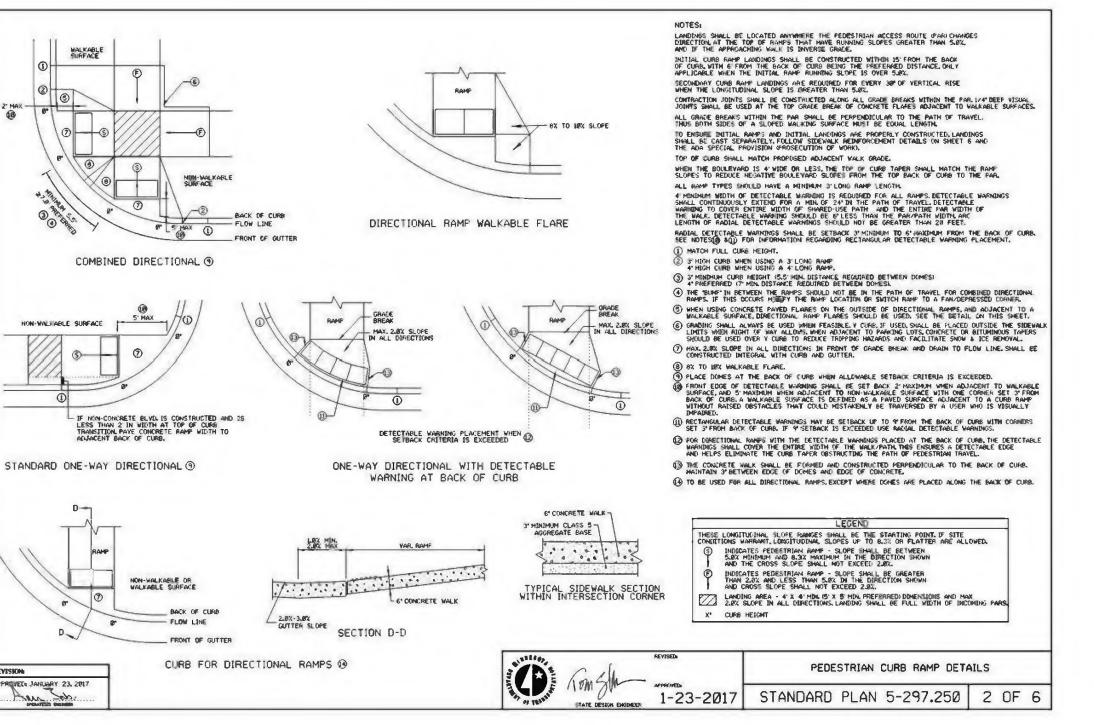


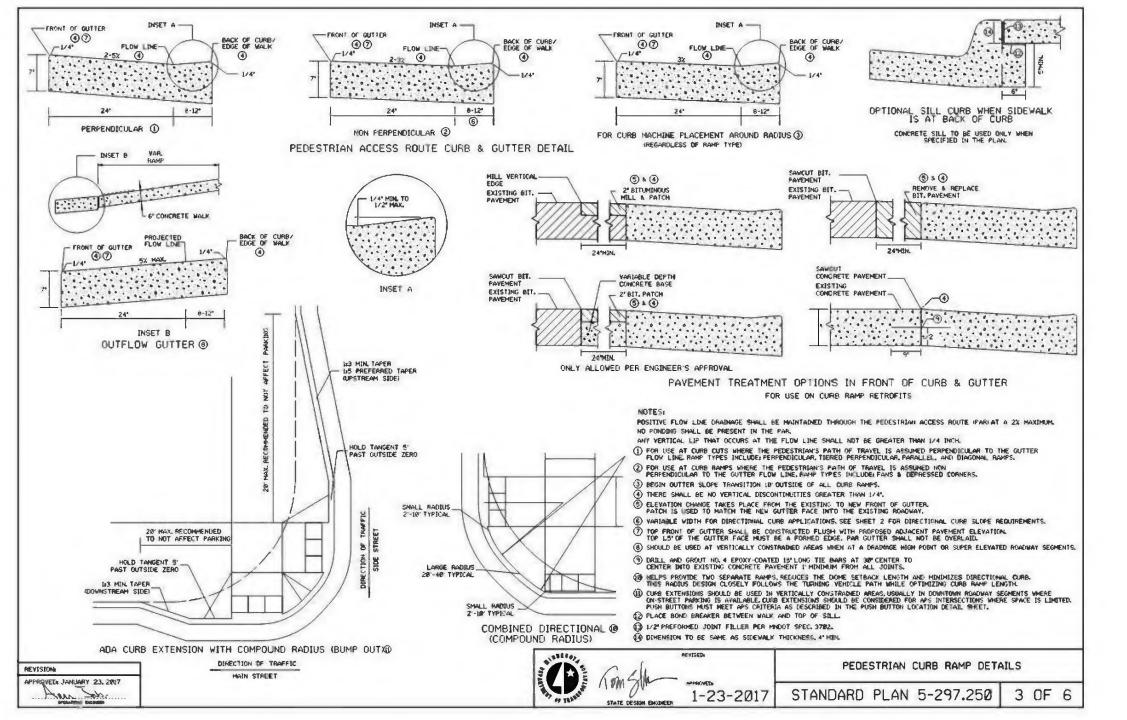
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APPROVED: 5/2000

REVISED: 8/2018

320

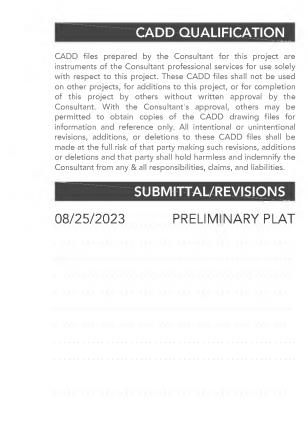






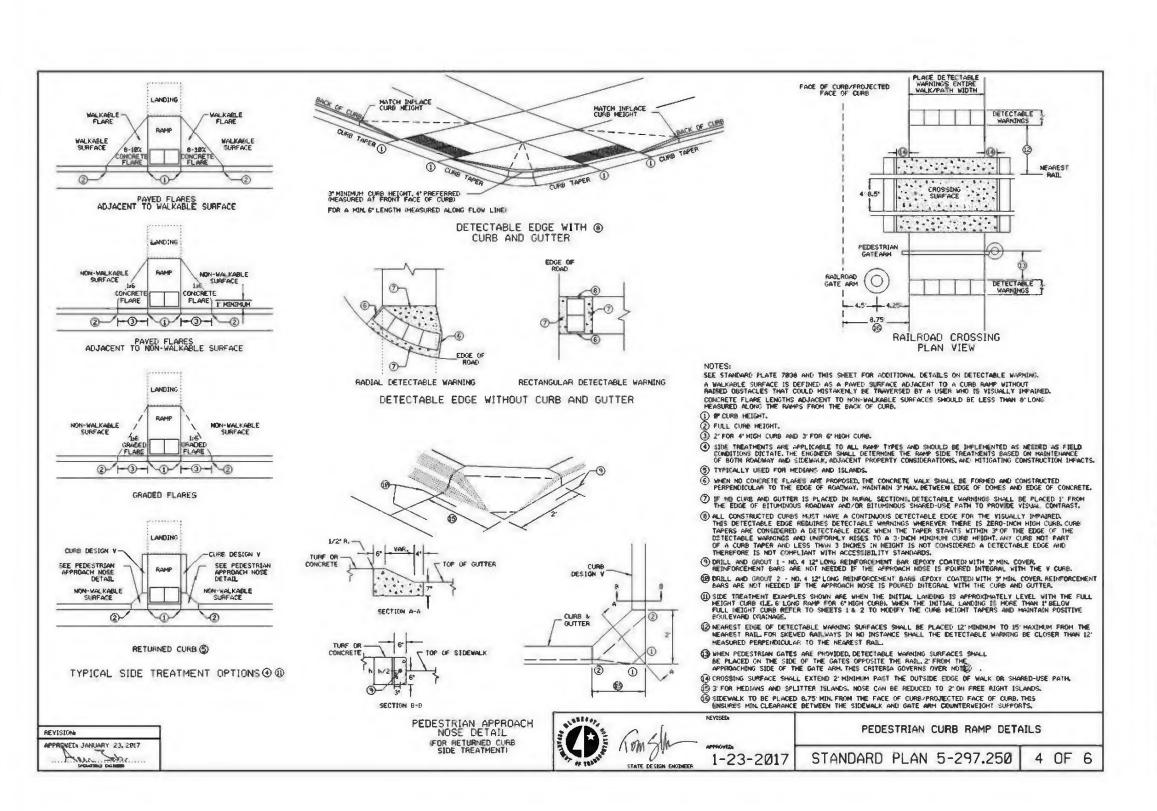


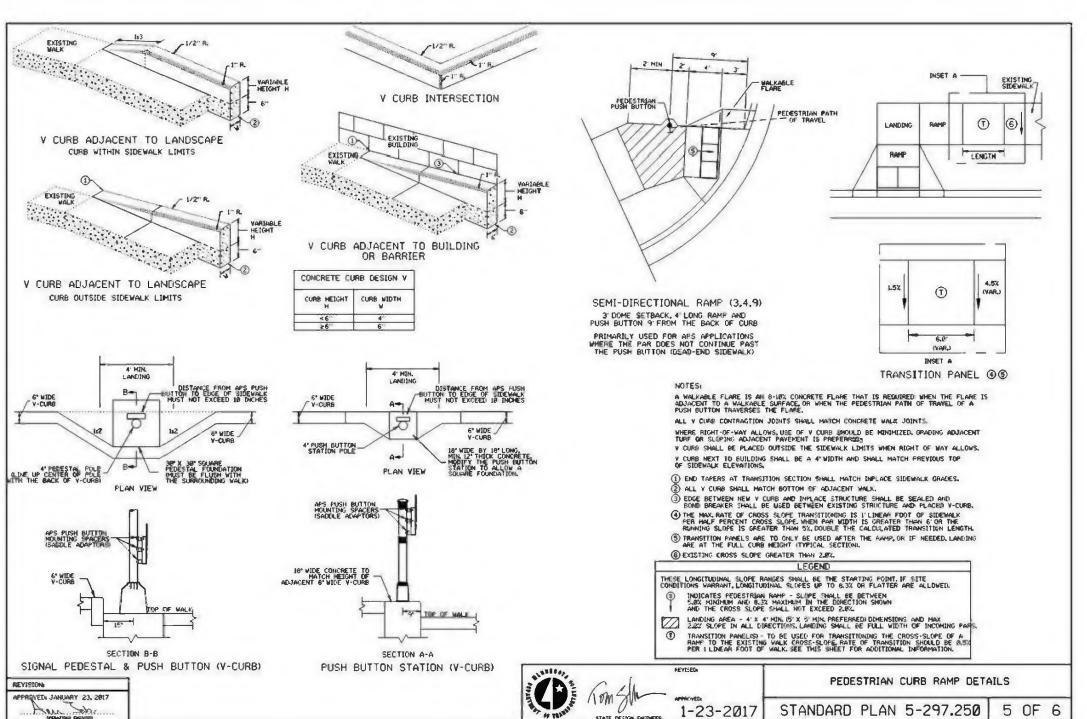


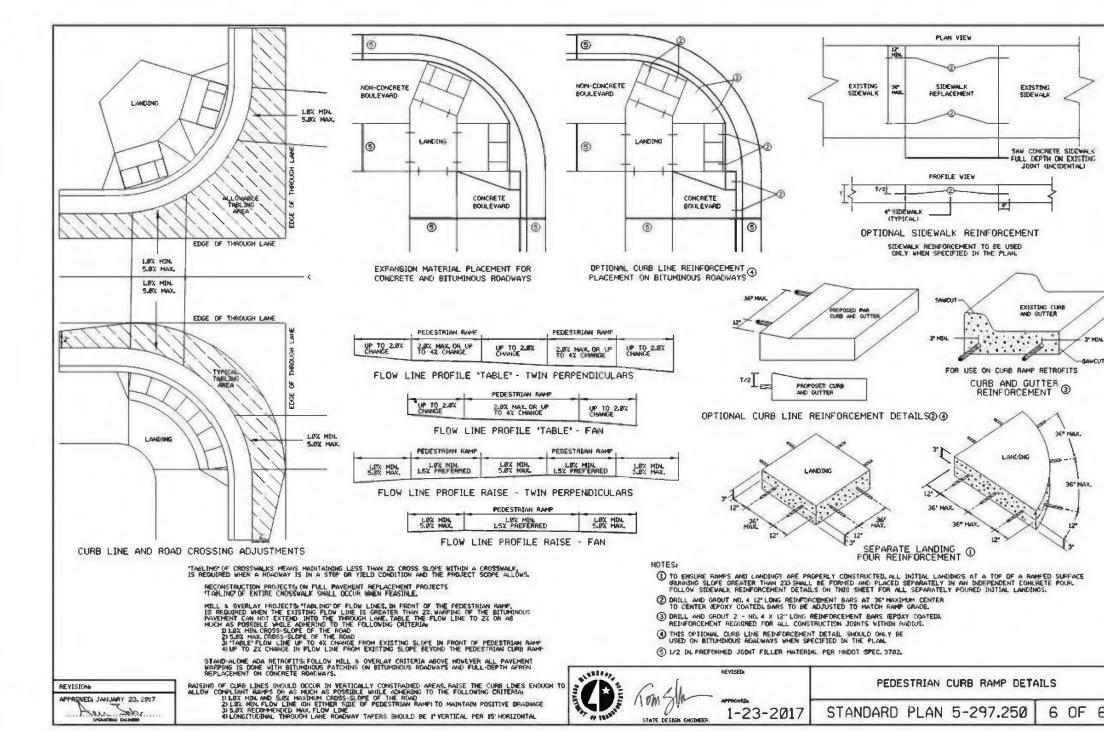


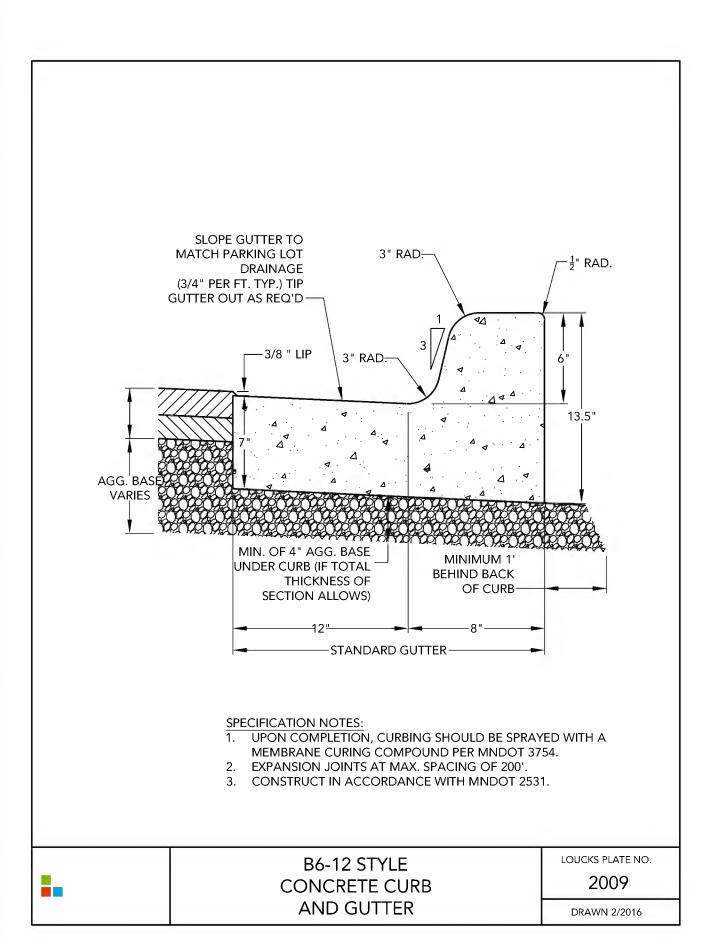


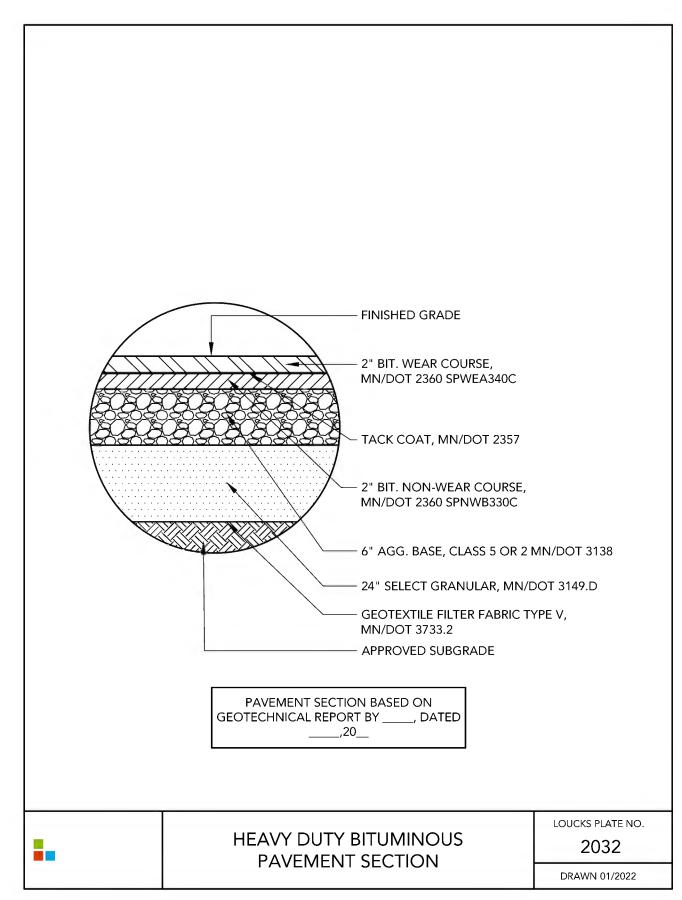


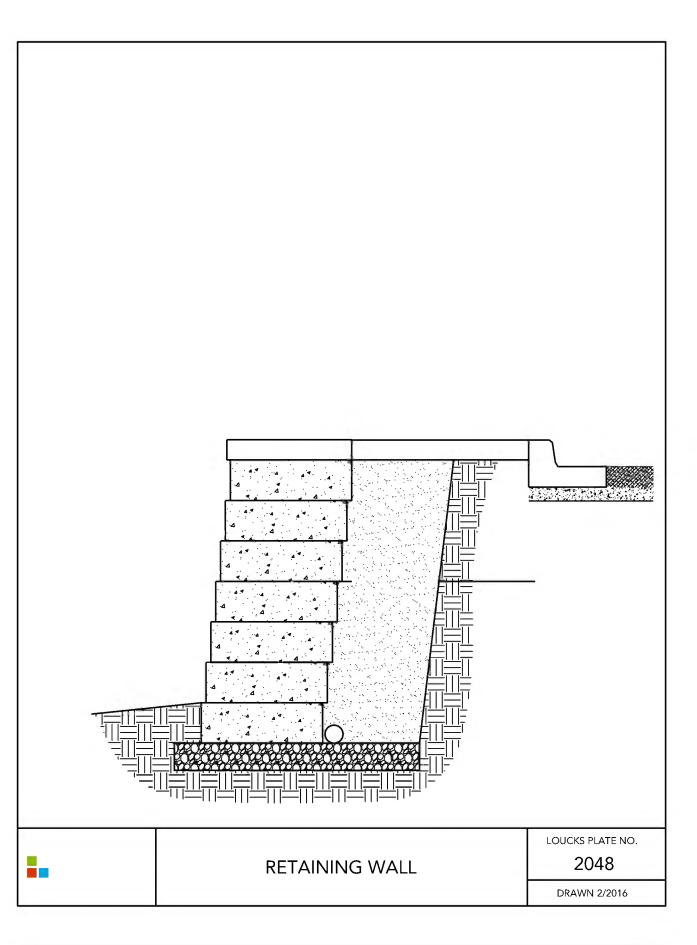


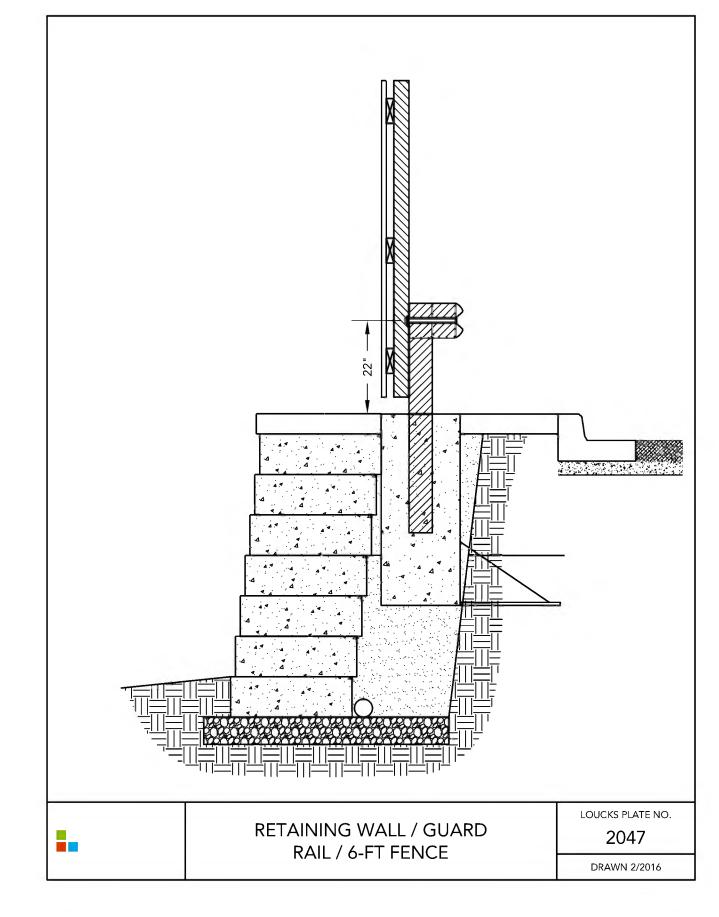


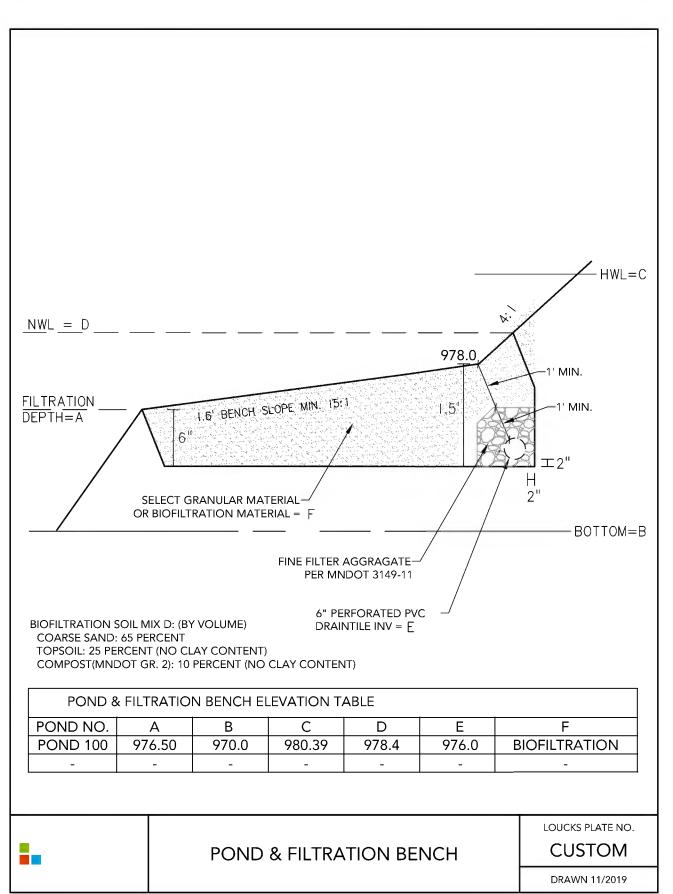


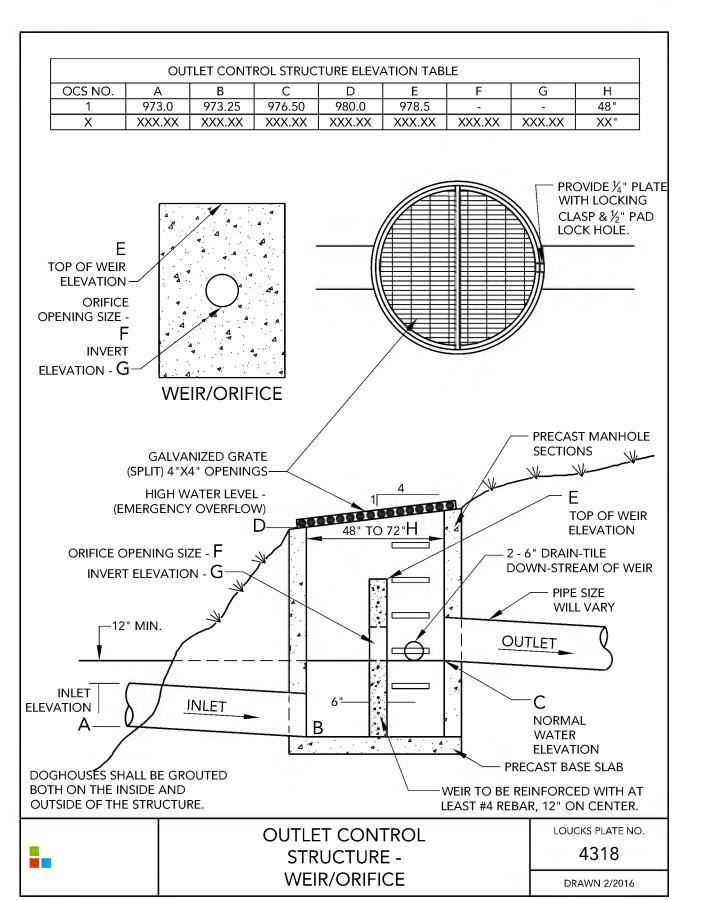


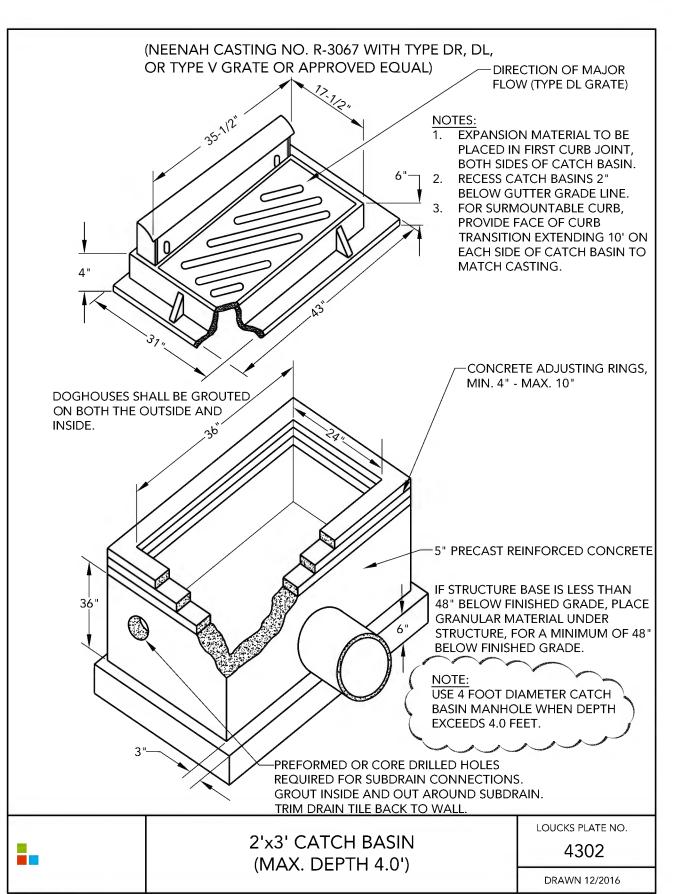


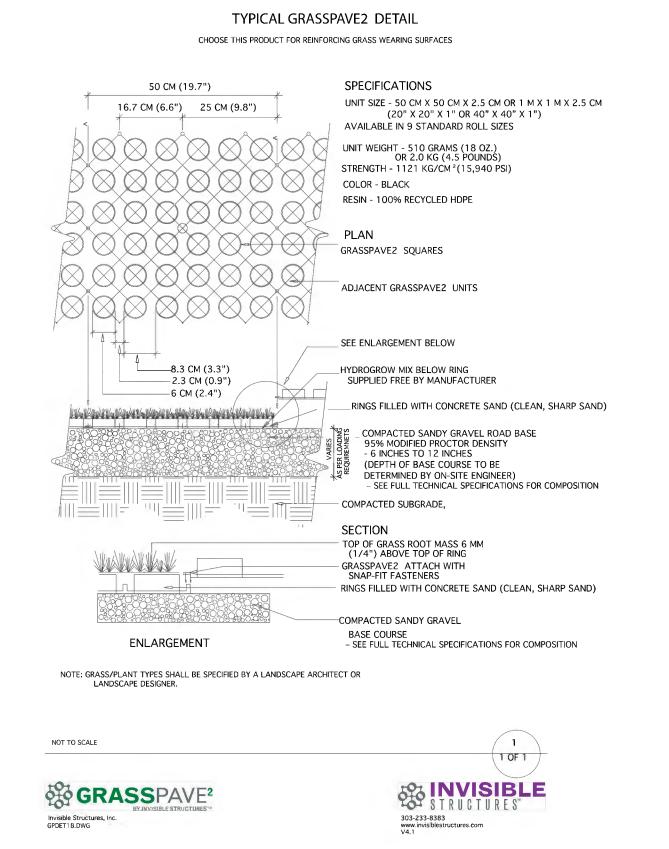








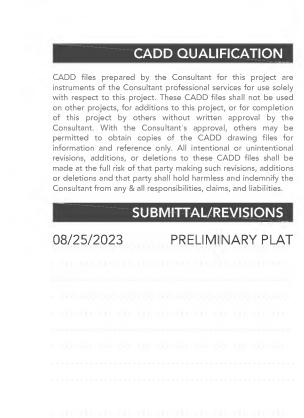


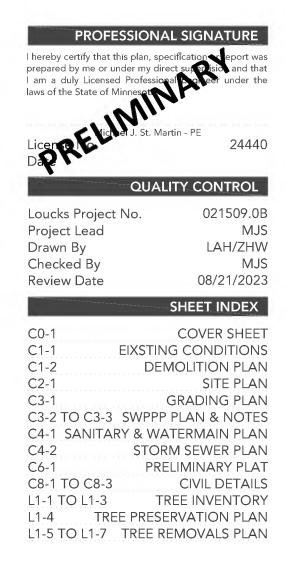
















LAKE WEST DEVELOPMENT, LLC 14525 Highway 7, Suite 265

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Maple Grove, MN 55369
763.424.5505

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08/25/2023 PRELIMINARY PLAT

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specifications deport was prepared by me or under my direct sup a sist and that I am a duly Licensed Landscape Archived under the laws of the State of Minnesota.

Irectory A. Johnson - LA

Licente 1 2

24610

Loucks Project No. 21758
Project Lead TWN
Drawn By GA.
Checked By GA.
Review Date 08/21/2023

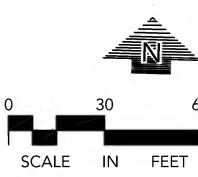
CO-1 COVER SHEET
C1-1 EIXSTING CONDITIONS
C1-2 DEMOLITION PLAN
C2-1 SITE PLAN
C3-1 GRADING PLAN
C3-2 TO C3-3 SWPPP PLAN & NOTES
C4-1 SANITARY & WATERMAIN PLAN
C4-2 STORM SEWER PLAN
C6-1 PRELIMINARY PLAT

C8-1 TO C8-3 CIVIL DETAILS
L1-1 TO L1-3 TREE INVENTORY
L1-4 TREE PRESERVATION PLAN
L1-5 TO L1-7 TREE REMOVALS PLAN

3. See Sheets L1-2 and L1-3 for tree inventory tables.

 The purpose of this sheet is to depict and list the significant and high priority trees inventoried on the property, including Ash, Black Locust and Siberian Elm.

 The trees shown hereon were identified and field located to sub-meter accuracy by Stephen Nicholson, a Certified Arborist and Forester with TreeBiz.



SURVEY REPORT



LAKE W DEVELOPMENT, I

LOUCKS CIVIL ENGINEERING LAND SURVEYING LANDSCAPE ARCHITECTURE ENVIRONMENTAL 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369

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SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

I hereby certify that this plan, specification prepared by me or under my direct sup or ision and that I am a duly Licensed Landscape Archived under the laws of the State of Minnesota. QUALITY CONTROL Loucks Project No. TWM Project Lead GAJ Drawn By

SHEET INDEX C0-1 **COVER SHEET** C1-1 **EIXSTING CONDITIONS** C1-2 DEMOLITION PLAN C2-1 SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT

Checked By

Review Date

GAJ

08/21/2023

C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN

UNLESS NOTED AS 'HP'

| High Priority | Tree No. | Species | DBH | Height Cond | | No. of Stems | WPA Tree | High Priority | Т | ree No. | Species | DBH | Height | Tree Condition | No. of Stems | WPA Tree | High Priority |
|------------------|-------------------|--|----------------------|------------------|----------|-----------------|-------------------|------------------|----------|---|---|----------------------|----------|---------------------------|-----------------|-------------------|------------------|
| Tree HP | 305 306 | Oak, pin Ash, green | 13.5 5.5 | Go Fa | od | 1 1 | WPA WPA | Tree | | 457 458 | Cherry, black Aspen | 8 13 | | Good Good | 1 1 | WPA WPA | Tree |
| HP | 307 308 | Ash, green Ash, green | 20.5 17 19 | Go Go | od | 1 1 | WPA WPA | | | 459 460 461 | Aspen Cherry, black Ash, green | 13.5 5 7.5 | | Good Fair Fair | 1 1 1 | WPA WPA WPA | |
| HP | 309 310 311 | Ash, green Ash, green Oak, red | 10 6.5 | Go Po Go | r | 1 1 1 | WPA WPA | | | 462 463 | Boxelder Aspen | 11 13.5 | | Fair Poor | 1 1 | WPA WPA | |
| HP | 312 313 314 | Oak, pin Aspen Basswood | 10.5 11 16.5 | Go Go | od | 1 1 1 | WPA WPA | | | 464 465 466 | Boxelder Arborvitae Arborvitae | 9 35 62 | 30 50 | Fair Poor Fair | 5 4 | WPA WPA WPA | |
| HP HP | 315 316 | Ash, green Oak, pin | 6 15 | Go Go | d | 1 1 | WPA WPA | | | 467 468 | Maple, silver Basswood | 16 10.5 | | Good Poor | 1 | WPA WPA | |
| HP | 317 318 319 | Cherry, black Ash, green Ash, green | 5.5 15 20.5 | Go Go Very | d | 1 1 1 | WPA WPA | | | 469 470 471 | Basswood Oak, white Ash, green | 19 27 4.5 | | Fair Very Poor Good | 1 1 1 | WPA WPA WPA | |
| HP | 320 321 | Ash, green Cherry, black | 14 6.5 | Fa Go | r | 1 1 | WPA WPA | | | 472 473 | Ash, green Aspen | 7 9 | | Fair Fair | 1 1 | WPA WPA | |
| HP | 322 323 324 | Aspen Cherry, black | 9 9.5 27 | Fa Fa | r | 1 1 | WPA WPA WPA | | | 474 475 476 | Oak, red Aspen Ash, green | 7.5 8 7 | | Good Good Good | 1 1 1 | WPA WPA WPA | |
| HP HP | 325 326 | Ash, green Ash, green Ash, green | 17.5 12.5 | Go Fa Go | r | 1 1 1 | WPA WPA | | | 477 478 | Ash, green Oak, red | 11 14 | | Good Good | 1 1 | WPA WPA | |
| HP HP | 327 328 329 | Ash, green Maple, silver Maple, silver | 22 18 22 | Go Go Fa | od | 1 1 1 | WPA | HP HP | | 479 480 481 | Oak, red Ash, green Ash, green | 4 4 8 | | Good Good Good | 1 1 1 | WPA WPA WPA | |
| HP | 330 331 | Ash, green Aspen | 15 11.5 | Po Go | r | 1 1 | WPA WPA | III | | 482 483 | Ash, green Boxelder | 9 5 | | Good Poor | 1 1 | WPA WPA | |
| HP | 332 333 334 | Walnut Boxelder Cherry, black | 12.5 8.5 8 | Go Po Go | r | 1 1 1 | WPA WPA | HP | | | Cherry, black Oak, bur Oak, bur | 5.5 30 11 | | Good Good Good | 1 1 1 | WPA WPA WPA | |
| | 335 336 | Ash, green Ash, green | 47 32 | Fa Fa | r r | 3 | WPA WPA | | | 487 488 | Cherry, black Aspen | 10 14 | | Fair Good | 1 1 | WPA WPA | |
| HP | 337 338 339 | Ash, green Ash, green Cherry, black | 25 15 9.5 | Go Po Go | r | 1 1 1 | WPA WPA | | | 489 490 491 | Ash, green Boxelder Ash, green | 7 5 11 | | Fair Good Good | 1 1 1 | WPA WPA WPA | |
| HP HP | 340 341 | Ash, green Ash, green | 32 16 | Go Go | od od | 1 | WPA WPA | | | 492 493 | Aspen Cherry, black | 12 7 | | Poor Fair | 1 1 | WPA WPA | |
| HP | 342 343 344 | Cherry, black Aspen Aspen | 5 9 15.5 | Go Go | d | 1 1 1 | WPA WPA | | | 494 495 496 | Oak, red Aspen Aspen | 5.5 11 14 | | Good Good Good | 1 1 1 | WPA WPA WPA | |
| HP | 345 346 | Birch, paper Aspen | 6 13.5 | Po Go | or od | 1 | WPA WPA | | | 497 498 | Cherry, black Aspen | 13 | | Good | 1 1 | WPA WPA | |
| HP HP | 347 348 349 | Ash, green Ash, green Ash, green | 9.5 13 | Po Fa Go | r | 1 1 1 | WPA | HP | | 500 501 | Cherry, black Aspen Cherry, black | 9 9.5 5.5 | | Good Good Good | 1 1 1 | WPA WPA WPA | |
| HP | 350 351 | Ash, green Ash, green | 13.5 8.5 | Go Go | od | 1 | | HP | | 503 | Aspen Ash, green | 12 5 | | Fair Good | 1 1 | WPA WPA | |
| HP HP | 352 353 354 | Ash, green Ash, green Ash, green | 5.5 6 4.5 | Go Go Po | d | 1 1 1 | | | | 504 505 506 | Cherry, black Aspen Aspen | 15.5 13.5 12.5 | | Good Good Fair | 1 1 1 | WPA WPA WPA | |
| HP | 355 356 | Ash, green Ash, green | 7 4 | Go Po | r | 1 1 | | LID | | 507 508 | Oak, red Aspen | 7 14.5 | | Good Fair | 1 1 | WPA WPA | |
| HP | 357 358 359 | Ash, green Ash, green Ash, green | 11 17 15.5 | Go Go | od | 1 1 1 | | HP HP HP | | 509 510 511 | Aspen Aspen Ash, green | 13 16 7 | | Fair Good Good | 1 1 1 | WPA WPA WPA | |
| HP HP | 360 361 362 | Ash, green Ash, green | 4.5 10 24 | Fa Fa Go | r | 1 1 2 | | HP HP | | 512513514 | Basswood Basswood Ash, green | 32 14.5 11.5 | | Fair Good Good | 4 1 1 | WPA WPA | HP |
| HP | 363 364 | Ash, green Ash, green Ash, green | 4.5 | Fa Go | r | 1 1 | | HP | | 515 516 | Ash, green Ash, green | 4.5 12 | | Good Good | 1 2 | | HP |
| HP | 365 366 367 | Boxelder Aspen Aspen | 9.5 16 14.5 | Fa Go Go | od | 1 1 1 | | HP HP | | 517 518 519 | Ash, green Ash, green Ash, green | 5.5 7.5 9 | | Good Poor Good | 1 1 1 | | |
| HP | 368 369 | Ash, green Ash, green | 6.5 7.5 | Go Go | d | 1 1 | | IIF | | 520 521 | Ash, green Ash, green | 6.5 5 | | Good Good | 1 | | |
| HP | 370 371 372 | Boxelder Ash, green Ash, green | 7 11 9 | Go Go Fa | od | 1 1 1 | | HP | | 522523524 | Ash, green Ash, green Ash, green | 8 18 19 | | Good Good Good | 1 1 1 | | HP HP |
| HP HP | 373 374 | Ash, green Ash, green | 9 8.5 | Go Go | od od | 1 | | | | 525 526 | Boxelder Walnut | 12.5 5.5 | | Fair Good | 1 | | HP |
| HP HP | 375 376 377 | Ash, green Aspen Ash, green | 10 9 8.5 | Go Go | od | 1 1 1 | | HP | | 527 528 529 | Boxelder Ash, green Ash, green | 8 14 17.5 | | Poor Good Good | 1 1 1 | | HP HP |
| HP | 378 379 | Aspen Aspen | 9.5 10 | Go Go | od od | 1 | | HP | | 530 531 | Ash, green Ash, green | 8 4.5 | | Good Fair | 1 1 | | 116 |
| HP | 380 381 382 | Aspen Aspen Ash, green | 12 11 5.5 | Go Go | od | 1 1 1 | | HP HP | | 532 533 534 | Ash, green Ash, green Ash, green | 9.5 4.5 9.5 | | Good Good Good | 1 1 1 | | HP HP |
| HP | 383 384 | Aspen Aspen | 14 10.5 | Go Go | od od | 1 | | HP HP | | 535 536 | Ash, green Ash, green | 6 14 5 | | Good Good | 1 1 | | HP |
| HP | 385 386 387 | Aspen Ash, green Aspen | 15.5 14.5 15.5 | Go Go | od | 1 1 1 | | HP HP | | 537 538 539 | Ash, green Ash, green Ash, green | 5.5 | | Good Good Good | 1 1 1 | | HP |
| HP HP | 388 389 | Aspen Aspen | 9 15 6 | Fa Go | od | 1 1 | | HP | | 540 541 542 | Elm, American Ash, green Ash, green | 9 7.5 12.5 | | Good Good Good | 1 1 1 | | HP |
| HP | 390 391 392 | Ash, green Ash, green Aspen | 15.5 12 | Go Go | od | 1 1 1 | | HP HP | | 543 544 | Ash, green Ash, green | 5 6 | | Good Very Poor | 1 1 | | IIF |
| HP | 393 394 395 | Aspen Boxelder Ash, green | 10.5 8 9 | Fa Fa Go | r | 1 1 1 | | HP | | 545 546 547 | Ash, green Ash, green Ash, green | 12.5 10.5 10.5 | | Good Good Good | 1 1 1 | | HP HP |
| HP | 396 397 | Ash, green Ash, green | 5.5 6.5 | Go Go | od | 1 | | | | 548 549 | Ash, green Ash, green | 7 | | Fair Fair | 1 2 | | |
| HP | 398 399 400 | Ash, green Aspen Aspen | 10.5 11.5 10.5 | Go Go | od | 1 1 1 | | HP HP | | 550 551 552 | Aspen Aspen Aspen | 6.5 8 8.5 | | Fair Good Good | 1 1 1 | | |
| HP | 401 402 | Aspen Aspen | 9 | Go Go | od od | 1 | | | | 553 554 | Ash, green Aspen | 8 8.5 | | Good | 1 | | |
| | 403 404 405 | Ash, green Aspen Ash, green | 7.5 4.5 | Go Fa Go | r | 1 1 1 | | | | 555 556 557 | Aspen Ash, green Aspen | 8 11 9 | | Good Good Good | 1 1 1 | | HP |
| HP HP | 406 407 | Aspen Aspen | 6 | Go Fa | r | 1 | | | | 558 559 | Aspen Elm, American | 8 7 9 | | Good Good Fair | 1 1 | | |
| HP HP | 408 409 410 | Aspen Aspen Aspen | 8.5 9 10.5 | Po Go Go | od | 1 1 1 | | HP | | 560 561 562 | Aspen Aspen Aspen | 7.5 8.5 | | Poor Poor | 1 1 1 | | |
| HP HP | 411 412 | Aspen Aspen | 8 8 15 | Go Po Go | or | 1 1 | | HP | | 563 564 565 | Ash, green Aspen Ash, green | 5 10.5 5.5 | | Good Poor Good | 1 1 1 | | HP |
| HP | 413 414 415 | Ash, green Ash, green Ash, green | 7 12.5 | Go Go | od od | 1 1 1 | | HP | | 566 567 | Ash, green Oak, red | 15 15.5 | | Good Good | 1 1 | | HP HP |
| HP HP | 416 417 418 | Ash, green Ash, green Ash, green | 9.5 11 13 | Go Go | od | 1 1 1 | | HP HP | | 568 569 570 | Oak, white Oak, white Boxelder | 12.5 6.5 4 | | Good Good Fair | 1 1 1 | | HP |
| HP | 419 420 | Ash, green Ash, green | 10 8.5 | Go Go | od od | 1 | | HP | | 571 572 | Cherry, black Oak, white | 8.5 16 | | Good Good | 1 | | HP |
| HP | 421 422 423 | Ash, green Ash, green Boxelder | 8 14 7.5 | Fa Go Po | d | 1 1 1 | | HP | | 573 574 575 | Ash, green Oak, white Boxelder | 10.5 8.5 5.5 | | Good Good Fair | 1 1 1 | | HP |
| HP HP | 424 425 | Ash, green Ash, green | 13 8 | Go Go | od od | 1 | | HP | | 576 577 | Boxelder Ash, green | 8 9 | | Fair Good | 1 1 | | 110 |
| HP | 426 427 428 | Ash, green Ash, green Cherry, black | 20 18.5 13 | Go Go | od | 1 1 1 | | HP HP | | 578 579 580 | Oak, white Ash, green Ash, green | 19.5 5.5 23.5 | | Good Good Good | 1 1 1 | | HP HP |
| 110 | 429 430 | Boxelder Boxelder | 7.5 | Fa Fa | r | 1 1 | | HP | | 581 582 | Ash, green | 10.5 | | Good Good | 1 1 | | HP |
| HP HP HP | 431 432 433 | Ash, green Ash, green Ash, green | 7 12.5 11 | Go Go Fa | od | 1 1 1 | | HP HP | | 583 584 585 | Ash, green Ash, green Ash, green | 19.5 4.5 18 | | Good Fair Good | 1 1 1 | | HP HP |
| HP | 434 435 436 | Ash, green Ash, green | 16.5 19 6.5 | Go Fa | r | 1 1 | _ | HP HP | | 586 587 588 | Ash, green Ash, green Ash, green | 19 27 14 | | Good Good Good | 1 2 1 | | HP HP HP |
| | 437 438 | Ash, green Ash, green Ash, green | 7 5 | Po Po | or or | 1 1 1 | | | | 589 590 | Boxelder Ash, green | 6.5 7 | | Good Fair | 1 | | 111 |
| HP HP HP | 439 440 441 | Ash, green Ash, green Ash, green | 4 4.5 6 | Fa Go Go | od | 1 1 1 | | | | 591 592 593 | Boxelder Boxelder Ash, green | 5 5.5 20.5 | | Poor Good Good | 1 1 1 | | HP |
| HP HP | 442 443 | Ash, green Ash, green | 5 5.5 | Go Go | od od | 1 | | | | 594 595 | Ash, green Boxelder | 9.5 9 | | Good Good | 1 | | |
| HP | 444 445 446 | Aspen Aspen Cherry, black | 16.5 18 8 | Go Fa Fa | r | 1 1 1 | WPA WPA WPA | | | 596 597 598 | Boxelder Boxelder | 7 6.5 9 | | Good Very Poor Poor | 1 1 1 | | |
| HP | 447 448 | Ash, green Elm, American | 22 7 | Po Go | or od | 1 | WPA WPA | | | 599 600 | Ash, green Ash, green | 10.5 20 | | Good Fair | 1 | | HP HP |
| HP HP | 449 450 451 | Ash, green Ash, green Ash, green | 31 16 15 | Go Go | od | 1 1 1 | WPA WPA WPA | | | 601 602 603 | Ash, green Boxelder Boxelder | 15 8.5 9 | | Good Poor Fair | 1 1 1 | | HP |
| | 452 453 | Oak, red Ash, green | 9 12 | Go Go | od od | 1 | WPA WPA | | | 604 605 | Elm, American Ash, green | 6 13.5 | | Good Good | 1 | | HP |
| | 454 455 456 | Aspen Aspen Aspen | 13 13.5 14 | Go Go | od | 1 1 1 | WPA WPA | | | 606 607 608 | Ash, green Elm, American Elm, American | 21.5 5 6.5 | | Good Good Good | 1 1 1 | | HP |
| | | 1 | T | _ 30 | 1 | - | 17 | | <u> </u> | | | - | • | | | | - |

| WPA | Priority |

HP

Tree

Tree No.

153 Ash, green

154 Locust, black

155 Locust, black

157 Locust, black

158 Locust, black

161 Locust, black

160 Oak, pin

162 Ash, green

163 Ash, green

164 Ash, green

166 Ash, green 167 Ash, green

168 Ash, green

169 Ash, green

170 Ash, green

171 Ash, green

172 Ash, green

173 Ash, green

174 Ash, green

175 Ash, green

177 Ash, green

178 Ash, green

179 Ash, green

180 Ash, green

181 Ash, green

182 Ash, green

183 Ash, green

184 Ash, green

185 Ash, green

187 Ash, green

188 Ash, green

189 Ash, green

191 Ash, green

192 Ash, green

193 Ash, green

194 Ash, green

195 Ash, green

196 Ash, green 197 Ash, green

198 Ash, green

199 Ash, green

200 Ash, green

202 Ash, green

204 Ash, green

205 Ash, green

209 Ash, green

210 Ash, green 211 Ash, green

212 Ash. green

213 Ash, green

214 Ash, green

215 Ash, green

217 Ash, green

219 Ash, green

221 Cherry, black

223 Cherry, black

222 Ash, green

224 Ash, green

227 Ash, green 228 Aspen

225 Aspen

226 Aspen

229 Aspen

230 Aspen

231 Aspen

232 Aspen

234 Aspen

235 Aspen

236 Aspen

238 Aspen

239 Aspen

240 Aspen

243 Aspen

247 Aspen

248 Aspen

249 Aspen

253 Aspen

254 Aspen

255 Aspen

256 Aspen

259 Aspen

261 Aspen

258 Ash, green

260 Ash, green

262 Ash, green

263 Ash, green

264 Ash, green

265 Ash, green

266 Ash, green

267 Ash, green

268 Ash, green

269 Ash, green

270 Ash, green

271 Ash, green

272 Boxelder

273 Boxelder

274 Boxelder

276 Aspen

275 Ash, green

277 Ash, green

278 Boxelder

279 Ash, green

280 Boxelder

282 Ash, green

283 Ash, green

284 Ash, green

285 Ash, green

286 Ash, green

287 Ash, green

288 Ash, green

289 Ash, green

290 Ash, green

291 Ash, green

292 Ash, green

295 Ash, green

296 Ash, green

297 Ash, green

299 Ash, green

302 Oak, pin

303 Oak, red

298 Cherry, black

300 Maple, silver

301 Locust, black

304 Locust, black

293 Ash, green

294 Walnut

250 Ash, green

252 Ash, green

251 Elm, American

244 Ash, green

245 Ash, green

220 Maple, Norway

218 Oak, pin

216 Aspen

206 Walnut

207 Aspen

208 Aspen

201 Boxelder

203 Boxelder

190 Elm, American

186 Boxelder

176 Boxelder

165 Elm, American

156 Ash, green

Species

Tree No. of

Condition Stems

Good 1

Poor

Good

Good

Good

Good

Fair

Good

Good

Poor Good

Good

Good

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Fair Good

Good Poor

Good Good

Fair

Fair

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WPA

WPA

WPA

WPA

1 WPA

Good 1

Good 1

Good 1

Good 1

Good

Poor

Good 1

DBH | Height |

4.5

10.5

7

10.5

7.5

13

11 16.5 7.5

10.5

6.5

5.5

24

30

11.5

32.5

4.5

15.5

23.5

7.5

18.5

9.5

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13.5

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16.5 6

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10 11 14

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18.5

5.5 6.5

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21.5

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17.5 7

15.5

WPA

Tree

No. of

Tree

Good

Fair

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Poor

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13.5

12.5

13

Condition Stems

DBH | Height |

Species

Locust, black

Basswood

3 Fir, Douglas

6 Boxelder

7 Boxelder

____8 |Locust, black

9 Locust, black

10 Locust, black

11 Locust, black

12 Ash, green

13 Ash, green

15 Ash, green

17 Ash, green

20 Boxelder

21 Ash, green

22 Ash, green

24 Elm, American

25 Ash, green

26 Ash, green

27 Ash, green 28 Elm, American

29 Boxelder

30 Boxelder

31 Boxelder

36 Boxelder

38 Ash, green

40 Ash, green

41 Ash, green

42 Ash, green

43 Ash, green

44 Ash, green

48 Aspen

49 Aspen

50 Ash, green

60 Aspen

63 Cherry, black

68 Ash, green

71 Boxelder

69 Aspen

70 Aspen

73 Aspen

74 Ash, green

76 Cherry, black

77 Cherry, black

79 Cherry, black

80 Ash, green

83 Boxelder

85 Ash, green

88 Aspen

91 Aspen

95 Oak, pin

99 Aspen

102 Aspen

103 Aspen

104 Aspen

105 Aspen

106 Boxelder

108 Ash, green

109 Ash, green

111 Ash, green

112 Ash, green

115 Ash, green

116 Ash, green

118 Ash, green

120 Ash, green

121 Ash, green

122 Ash, green

123 Ash, green

125 Ash, green

126 Ash, green

128 Ash, green

130 Ash, green

132 Maple, silver

134 Ash, green

135 Ash, green

137 Maple, silver

139 Ash, green

141 Ash, green

143 Boxelder

144 Ash, green

145 Ash, green

146 Ash, green

149 Boxelder

147 Ash, green

150 Locust, black

151 Locust, black

142 Elm, American 5

148 Ash, green 8

136 Ash, green

138 Boxelder

140 Boxelder

133 Elm, American

129 Boxelder

124 Elm, American

113 Boxelder

110 Boxelder

101 Oak, red

100 Spruce, white

78 Ash, green

51 Oak, white

39 Cherry, black

___23_ Boxelder

14 Locust, black

16 Locust, black

18 Locust, black 19 Locust, black

4 Locust, black

5 Locust, black

Tree No.

| Species | DBH | Height | Tree Condition | No. of | WPA Tree | High Priority | Tree No. | Species | DBH | Height | Tree Condition |
|----------|--------------|--------|-------------------|------------|--|------------------|-------------------|--------------------------------|---------------------|--------|-------------------|
| , black | 8 | | Good | Stems 1 | WPA | Tree | 609 | Aspen | 8 | | Fair |
| | 13 13.5 | | Good Good | 1 | WPA WPA | | 610 611 | Elm, American Ash, green | 4.5 13 | | Good Good |
| < | 5 7.5 | | Fair Fair | 1 | WPA WPA | | 612 613 | Boxelder Boxelder | 6.5 7 | | Fair Fair |
| | 11 13.5 | | Fair Poor | 1 | WPA WPA | | 614 615 | Boxelder Boxelder | 6.5 11 | | Fair Fair |
| | 9 35 | 30 | Fair Poor | 1 5 | WPA WPA | | 616 617 | Ash, green Ash, green | 9 17.5 | | Goo Goo |
| er | 62 16 | 50 | Fair Good | 4 | WPA WPA | | 618 619 | Elm, American Ash, green | 4 16 | | Goo |
| | 10.5 | | Poor Fair | 1 1 | WPA WPA | | 620 621 | Elm, American Elm, American | 14.5 4 | | Goo |
| ! | 27 | | Very Poor Good | 1 1 | WPA WPA | | 622 623 | Ash, green Ash, green | 7.5 8.5 | | Goo |
| า | 7 9 | | Fair Fair | 1 1 | WPA WPA | | 624 625 | Ash, green Ash, green | 5 | | Goo |
| | 7.5 | | Good | 1 | WPA | | 625 626 627 | Ash, green | 10.5 | | Goo |
| 1 | 7 | | Good Good | 1 | WPA WPA | | 628 | Ash, green Aspen | 8 | | Goo |
| n | 11 | | Good Good | 1 | WPA WPA | | 629 630 | Aspen Ash, green | 9 5 | | Goo Fai |
| า | 4 | | Good Good | 1 | WPA WPA | | 631 632 | Aspen Aspen | 9.5 8.5 | | Goo Fair |
| n n | 8 9 | | Good Good | 1 | WPA WPA | | 633 634 | Aspen Aspen | 7.5 9 | | Poo |
| ack | 5 5.5 | | Poor Good | 1 | WPA WPA | | 635 636 | Aspen Aspen | 8.5 8.5 | | Goo |
| ack | 30 | | Good | 1 | WPA | | 637 | Aspen | 9.5 | | Fair |
| ack | 11 10 | | Good Fair | 1 | WPA WPA | | | Ash, green Boxelder | 10 4 | | Goo |
| 1 | 14 7 | | Good Fair | 1 | WPA WPA | | 640 641 | Ash, green Boxelder | 8.5 4 | | Goo |
| <u> </u> | 5 11 | | Good Good | 1 | WPA WPA | | 642 643 | Ash, green Ash, green | 8.5 9 | | Fai Goo |
| ack | 12 | | Poor Fair | 1 1 | WPA WPA | | 644 645 | Ash, green Ash, green | 4 | | Goo |
| | 5.5 | | Good | 1 | WPA | | 646 | Ash, green | 4.5 7 | | God |
| | 11 | | Good | 1 | WPA WPA | | 647 648 | Ash, green | 6 | | Goo |
| nck | 13 | | Good Good | 1 | WPA WPA | | 649 650 | Ash, green Ash, green | 8 5.5 | | Goo Fai |
| nck | 9 9.5 | | Good Good | 1 | WPA WPA | | 651 652 | Ash, green Ash, green | 9.5 5 | | Goo Goo |
| ick | 5.5 12 | | Good Fair | 1 | WPA WPA | | 653 654 | Ash, green Elm, American | 6 4.5 | | Fai Goo |
| ck | 5 | | Good | 1 | WPA | | 655 | Elm, American | 4.5 | | Goo |
| ck | 15.5 13.5 | | Good | 1 | WPA WPA | | 656 657 | Ash, green Ash, green | 5.5 | | Goo |
| | 12.5 7 | | Fair Good | 1 | WPA WPA | | 658 659 | Ash, green Ash, green | 9.5 7 | | Goo Goo |
| | 14.5 13 | | Fair Fair | 1 | WPA WPA | | 660 661 | Ash, green Ash, green | 6 11.5 | | Goo Fair |
| <u> </u> | 16 | | Good | 1 | WPA WPA | | 662 663 | Ash, green Elm, American | 6 5.5 | | Goo |
| | 32 | | Fair | 4 | WPA | | 664 665 | Ash, green Ash, green | 6.5 7.5 | | Goo |
| | 14.5 | | Good | 1 | WPA | HP | 666 | Ash, green | 9 | | God |
| | 4.5 | | Good Good | 1 2 | | HP | 667 668 | Elm, American Ash, green | 5 5 | | Goo Goo |
| | 5.5 7.5 | | Good Poor | 1 | | | 669 670 | Ash, green Ash, green | 11.5 8 | | Goo Goo |
| | 9 6.5 | | Good | 1 1 | | | 671 672 | Ash, green Ash, green | 13.5 8 | | Goo |
| i i | 5 | | Good | 1 | | | | Ash, green | 11.5 | | Goo |
| | 18 | | Good | 1 | | HP | 675 | Ash, green | 13 10 | | Fai |
| | 19 12.5 | | Good Fair | 1 | | HP HP | 676 677 | Ash, green Ash, green | 5 12 | | Goo |
| | 5.5 8 | | Good Poor | 1 1 | | | 678 679 | Elm, American Ash, green | 5 12 | | Goo Goo |
| | 14 17.5 | | Good Good | 1 | | HP HP | 680 681 | Ash, green Ash, green | 7 11 | | Goo |
| | 8 4.5 | | Good Fair | 1 1 | | | 682 683 | Elm, American Ash, green | 8.5 14 | | Goo |
| | 9.5 | | Good | 1 | | HP | 684 | Elm, American | 7 | | Goo |
| | 4.5 9.5 | | Good Good | 1 | | HP | 685 686 | Ash, green Ash, green | 11 14.5 | | Fair Fair |
| | 6 14 | | Good Good | 1 | | HP | 687 688 | Ash, green Cherry, black | 12.5 18 | | Goo Fair |
| ı | 5 5.5 | | Good Good | 1 1 | | | 689 690 | Ash, green Elm, American | 16.5 10 | | Goo Goo |
| can | 19 9 | | Good | 1 | | HP | 691 692 | Hackberry Cherry, black | 4.5 10.5 | | Goo Goo |
| | 7.5 12.5 | | Good | 1 | | HP | 693 694 | Ash, green Aspen | 15 10.5 | | Goo Fair |
| | 5 | | Good | 1 | | 1115 | 695 696 | Aspen Ash, green | 10.5 10.5 7.5 | | Goo Goo |
| | 6 12.5 | | Very Poor Good | 1 | | HP | 697 | Aspen | 8.5 | | Faiı |
| l | 10.5 10.5 | | Good Good | 1 | | HP HP | 698 699 | Aspen Aspen | 11 8 | | Goo Fai |
|)) | 7 | | Fair Fair | 2 | | | 700 701 | Aspen Oak, pin | 14 32 | | Goo Faiı |
| | 6.5 | | Fair Good | 1 | | | 702 703 | Ash, green Ash, green | 13.5 8.5 | | Goo |
| | 8.5 | | Good | 1 | | | 704 | Ash, green | 6 | | Goo |
| 1 | 8.5 | | Good | 1 | | | | Cherry, black Ash, green | 4.5 8.5 | | Goo |
| l | 8 11 | | Good Good | 1 1 | | HP | 708 | Ash, green Birch, paper | 8.5 19.5 | | Goo Goo |
| | 9 8 | | Good Good | 1 | | | 709 710 | Maple, silver Ash, green | 21 6 | | Very P God |
| rican | 7 9 | | Good Fair | 1 1 | | | 711 | Cherry, black Oak, white | 5 26 | | Goo |
| | 7.5 | | Poor | 1 | | | 713 | Oak, white | 15.5 | | Goo |
| | 8.5 5 | | Poor Good | 1 | | | 714 715 | Oak, pin Oak, pin | 22 18.5 | | Goo |
| | 10.5 5.5 | | Poor Good | 1 | | HP | 716 717 | Ash, green Oak, white | 4 23 | | Fai Goo |
| | 15 15.5 | | Good Good | 1 | | HP HP | 718 719 | Ash, green Oak, pin | 5 32.5 | | Fair Goo |
| <u>:</u> | 12.5 6.5 | | Good | 1 | | HP | 720 721 | Ash, green Oak, white | 5.5 21 | | Goo |
| | 4 | | Fair | 1 | | | 722 | Oak, pin | 24 | | God |
| ck | 8.5 16 | | Good | 1 | | HP | 723 724 | Ash, green Aspen | 8 11 | | Goo |
| | 10.5 8.5 | | Good Good | 1 | | HP | 725 726 | Aspen Ash, green | 13 8.5 | | Fai Goo |
| | 5.5 8 | | Fair Fair | 1 | | | 727 728 | Aspen Aspen | 9 9.5 | | Fai Fai |
| | 9 | | Good | 1 | | HP | 729 730 | Aspen Ash, green | 7 | | Fai |
| | 5.5 | | Good | 1 | | | 731 | Aspen | 7 | | Fai |
| | 23.5 | | Good | 1 | | HP HP | 732 733 | Aspen Aspen | 9.5 | | God |
| | 6 19.5 | | Good Good | 1 1 | | HP | 734 735 | Basswood Aspen | 11 9.5 | | Goo Fai |
| | 4.5 18 | | Fair Good | 1 1 | | HP | 736 737 | Ash, green Basswood | 5 10.5 | | Fai Goo |
| | 19 27 | | Good | 1 2 | | HP HP | 738 739 | Aspen Aspen | 12 11 | | Goo |
| <u> </u> | 14 | | Good | 1 | | HP HP | 740 | Aspen | 12 | | Goo |
| 1 | 6.5 | | Good Fair | 1 | | | 742 | Aspen Boxelder | 9.5 | | Fair Fair |
| | 5 5.5 | | Poor Good | 1 | | | 743 744 | Basswood Aspen | 20.5 13.5 | | Goo Fai |
| i I | 20.5 9.5 | | Good Good | 1 | | HP | 745 746 | Aspen Ash, green | 12 5.5 | | Poo Faiı |
| | 9 | | Good | 1 | | | 747 748 | Ash, green Basswood | 5 6.5 | | Goo |
| | 6.5 | | Very Poor | 1 | | | 749 | Boxelder | 12.5 | | Poo |
| | 9 10.5 | | Poor Good | 1 | | HP | 750 751 | Boxelder Ash, green | 11.5 7 | | Goo |
| | 20 15 | | Fair Good | 1 1 | | HP HP | 752 753 | Ash, green Ash, green | 15 15.5 | | Goo Goo |
| | 8.5 9 | | Poor Fair | 1 | | | 754 755 | Ash, green Ash, green | 12 7.5 | | Goo |
| ın | 6 | | Good | 1 | | LID | 756 757 | Ash, green Ash, green | 8.5 | | Goo |
| | 13.5 | | Good | 1 | | HP | 757 758 | Ash green | 1 | 1 | Poo |

WPA Priority

Tree Tree I

HP

HP

WPA

W/PA

WPA

Poor 1

Good 1

Good 1

4

10.5

758 Ash, green

759 Ash, green

760 Ash, green

HP

HP

NOTE: ALL LISTED TREES ARE SIGNIFICANT

> **INVENTORY SURVEY L1-2**

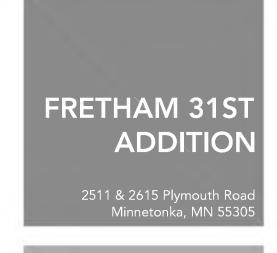
| ree No. | Species | DBH | Height | Tree Condition | No. of Stems | WPA Tree | Priority Tree |
|-------------------|--------------------------------|-------------------|--------|----------------------|-----------------|-------------------|------------------|
| 761 762 | Ash, green Ash, green | 9.5 | | Good | 1 | | |
| 763 764 | Ash, green Ash, green | 5.5 | | Good | 1 | | |
| 765 766 | Ash, green | 15.5 4.5 | | Good Fair | 1 1 | | HP |
| 767 768 | Ash, green Ash, green | 10 12.5 | | Good Good | 1 1 1 | \A/D A | HP HP |
| 769 770 771 | Maple, sugar Boxelder Boxelder | 7 10.5 12 | | Good Poor Poor | 1 1 1 | WPA WPA WPA | |
| 771 772 773 | Oak, pin Ash, green | 8 4.5 | | Good Fair | 1 1 1 | WPA | |
| 774 775 | Maple, Norway Maple, Norway | 20 | | Poor Good | 1 1 1 | WPA WPA | |
| 776 777 | Ash, green Ash, green | 9 7 | | Good Good Fair | 1 1 1 | WPA WPA | |
| 7778 779 | Ash, green Ash, green | 4 11 | | Fair Fair Fair | 1 1 1 | WPA WPA | |
| 780 781 | Ash, green Ash, green | 4 9 | | Good | 1 | WPA WPA | |
| 782 783 | Ash, green Ash, green | 6 11 | | Good | 1 | WPA WPA | |
| 784 785 | Aspen Basswood | 15.5 | | Fair Good | 1 | WPA WPA | |
| 786 787 | Aspen Cherry, black | 10 | | Poor | 1 | WPA WPA | |
| 788 789 | Oak, pin Ash, green | 24 9.5 | | Good | 1 | WPA WPA | |
| 790 791 | Oak, white Ash, green | 15 5 | | Good | 1 | WPA WPA | |
| 792 793 | Ash, green Oak, pin | 4.5 | | Good | 1 1 | WPA WPA | |
| 794 795 | Ash, green Ash, green | 4 6.5 | | Fair Good | 1 | WPA WPA | |
| 796 797 | Oak, white Oak, white | 21.5 | | Fair Good | 1 1 | WPA WPA | |
| 798 799 | Oak, white Oak, red | 10 11.5 | | Fair Good | 1 | WPA WPA | |
| 800 801 | Ash, green Basswood | 5.5 16 | | Good Fair | 1 2 | WPA WPA | |
| 802 803 | Ash, green Oak, pin | 14 | | Fair Good | 1 1 | WPA WPA | |
| 804 805 | Aspen Ash, green | 8 8.5 | | Poor Good | 1 1 | WPA WPA | |
| 806 807 | Oak, white Oak, white | 24 12.5 | | Good Fair | 1 1 | WPA WPA | |
| 808 809 | Basswood Oak, white | 8 4 | | Good | 1 1 | WPA WPA | |
| 810 811 | Oak, white Oak, red | 4 4 | | Good | 1 1 | WPA WPA | |
| 812 813 | Oak, red Ash, green | 4.5 | | Good Fair | 1 1 | WPA WPA | |
| 814 815 | Aspen Oak, white | 12 | | Good | 1 1 | WPA WPA | |
| 816 817 | Oak, white Oak, white | 23 | | Good | 1 1 | WPA WPA | |
| 818 819 | Oak, white Oak, red | 17 17 16 | | Good | 1 1 | WPA WPA | |
| 820 821 | Oak, white Oak, white | 18.5 15.5 | | Good | 1 1 | WPA WPA | |
| 822 823 | Oak, white Ash, green | 15.5 17 8.5 | | Good | 1 1 | WPA WPA | |
| 824 825 | Oak, white Ash, green | 23 | | Good | 1 1 | WPA WPA | |
| 826 827 | Oak, pin Ash, green | 20 | | Good | 1 1 | WPA WPA | |
| 828 829 | Boxelder Oak, white | 5.5 21.5 | | Good | 1 1 | WPA WPA | |
| 830 831 | Ash, green Ash, green | 5.5 | | Good Poor | 1 | WPA WPA | |
| 832 833 | Oak, red Cherry, black | 35 14.5 | | Good | 1 1 | WPA WPA | |
| 834 835 | Basswood Basswood | 9.5 7.5 | | Good Good | 1 1 | WPA WPA | |
| 836 837 | Aspen Oak, red | 10 17 | | Poor Good | 1 1 | WPA WPA | |
| 838 839 | Ash, green Aspen | 15 8 | | Good Fair | 1 1 | WPA WPA | |
| 840 841 | Aspen Aspen | 10 9.5 | | Good | 1 1 | WPA WPA | |
| 842 843 | Aspen Aspen | 9 | | Good Fair | 1 1 | WPA WPA | |
| 844 845 | Aspen Ash, green | 12.5 8 | | Good Good | 1 | WPA WPA | |
| 846 847 | Aspen Ash, green | 10 4 | | Fair Poor | 1 | WPA WPA | |
| 848 849 | Ash, green Ash, green | 5.5 | | Poor Fair | 1 | WPA WPA | |
| 850 851 | Oak, white Maple, Norway | 17.5 10 | | Good Good | 1 | WPA | HP |
| 852 853 | Maple, Norway Maple, Norway | 6 9.5 | | Good Good | 1 | | |
| 854 855 | Maple, Norway Pine, Scots | 8 27 | 75 | Good Good | 1 | WPA | HP |
| 856 857 | Maple, Norway Maple, Norway | 5.5 14 | | Good Poor | 1 | WPA WPA | |
| 858 859 | Elm, American Oak, white | 6.5 29 | | Poor Fair | 1 | WPA WPA | |
| 860 861 | Maple, Norway Maple, Norway | 9 | | Good Good | 1 1 | WPA WPA | |
| 862 863 | Ash, green Ash, green | 4.5 4 | | Fair Poor | 1 | WPA | |
| 864 865 | Cherry, black Oak, red | 6.5 33.5 | | Good Good | 1 | WPA WPA | |
| 866 867 | Arborvitae Oak, red | 17.5 14 | 75 | Fair Good | 2 | WPA | HP |
| 868 869 | Oak, red Ash, green | 18 | | Good | 1 | WPA | HP |
| 870 871 | Ash, green Ash, green | 6 8 | | Good | 1 | | |
| 872 873 | Ash, green Ash, green | 9 4.5 | | Good | 1 | | |
| 874 875 | Ash, green Ash, green | 6.5 | | Good Fair | 1 | | |
| 876 877 | Ash, green Ash, green | 10 5 | | Good | 1 | | HP |
| 878 879 | Ash, green Ash, green | 9 20 | | Good | 1 | | HP |
| 880 881 | Ash, green Ash, green | 14 16 | | Good Good | 1 | | HP HP |
| 882 883 | Boxelder Boxelder | 16 | | Fair Poor | 1 | | HP |
| 884 885 | Ash, green Ash, green | 11.5 | | Good | 1 | | HP |
| 886 887 | Boxelder Ash, green | 21.5 | | Fair Poor | 1 | | HP HP |
| 888 889 | Boxelder Boxelder | 11.5 21.5 | | Fair Fair | 1 | | HP HP |
| 890 891 | Boxelder Ash, green | 13 13 | | Good | 1 | | HP HP |
| 892 893 | Cherry, black Ash, green | 10 14.5 | | Good Fair | 1 | | HP HP |
| 894 895 | Crabapple Boxelder | 5.5 11.5 | | Fair Fair | 1 | | HP |
| 896 897 | Elm, red Boxelder | 12.5 6.5 | | Good | 1 | | HP |
| 898 899 | Ash, green Cherry, black | 9 10.5 | | Good | 1 | | HP |
| 900 901 | Oak, bur Boxelder | 25 7.5 | | Very Poor Fair | 1 | | HP |
| 902 903 | Ash, green Boxelder | 6.5 12 | | Fair Poor | 1 | | HP |
| 904 905 | Ash, green Oak, pin | 4 35 | | Good Fair | 1 1 | | HP |
| 906 907 | Elm, American Ash, green | 5.5 8.5 | | Good Good | 1 | | |
| 908 909 | Oak, red Oak, red | 22 14 | | Good Good | 1 | | HP HP |
| 910 | Oak, red | 8.5 | | Good | 1 | | |

| 913 914 915 916 917 918 919 920 921 922 | Ash, green Ash, green Ash, green Ash, green Ash, green | 4 5 9 | | Good | 1 | | |
|--|--|--------------|----------|-------------------|--------|------------|----------|
| 916 917 918 919 920 921 | Ash, green | + | | | 4 | | |
| 918 919 920 921 | Ash, green | | | Good Good | 1 | | HP |
| 919 920 921 | Elm, American | 5.5 18 | | Good Good | 1 | | HP |
| | Cherry, black Ash, green | 21.5 16 | | Very Poor Good | 1 | | HP HP |
| | Boxelder Ash, green | 29 14 | | Fair Poor | 1 | | HP HP |
| 923 924 | Ash, green Ash, green | 13.5 | | Good | 1 1 | | HP |
| 925 | Ash, green | 5 | | Good | 1 | | LID |
| 926 927 | Ash, green Ash, green | 10.5 | | Good | 1 | | HP HP |
| 928 929 | Ash, green Ash, green | 10.5 8 | | Good Good | 1 | | HP |
| 930 931 | Ash, green Ash, green | 13 6 | | Good Good | 1 | | HP |
| 932 933 | Ash, green Ash, green | 11 8 | | Fair Good | 1 | | HP |
| 934 935 | Ash, green Ash, green | 7.5 5.5 | | Good Good | 1 | | |
| 936 937 | Ash, green Ash, green | 6.5 5 | | Good Good | 1 | | |
| 938 939 | Ash, green Oak, pin | 6.5 6.5 | | Good Fair | 1 | | |
| 940 | Ash, green | 10 | | Good | 1 | | HP |
| 941 | Oak, red Oak, red | 9 | | Good | 1 | | HP |
| 943 | Oak, red Oak, red | 4.5 17 | | Good | 1 | | HP |
| 945 946 | Ash, green Elm, American | 7.5 5.5 | | Good Good | 1 | | |
| 947 948 | Ash, green Ash, green | 4 | | Good Fair | 1 | | |
| 949 950 | Ash, green Ash, green | 5 5 | | Fair Good | 1 | | |
| 951 952 | Aspen Ash, green | 9 6.5 | | Fair Good | 1 1 | | |
| 953 954 | Oak, red Aspen | 16.5 15 | | Good Good | 1 | | HP HP |
| 955 956 | Ash, green Ash, green | 4 24 | | Fair Fair | 1 1 | | НР |
| 957 958 | Ironwood Boxelder | 14.5 | | Good | 2 | | HP HP |
| 959 | Aspen | 14 | | Good | 1 | | HP |
| 960 961 | Ash, green Aspen | 11.5 | | Fair Good | 1 1 | | HP HP |
| 962 963 | Aspen Aspen | 15 13 | | Good Good | 1 | | HP HP |
| 964 965 | Ash, green Boxelder | 6 | | Good Very Poor | 1 1 | | |
| 966 967 | Ash, green Aspen | 17 5.5 | | Fair Good | 1 | | HP |
| 968 969 | Aspen Aspen | 12 12 | | Good Good | 1 1 | | HP HP |
| 970 971 | Ash, green Ash, green | 25 | | Good | 1 | | HP |
| 972 | Maple, Norway | 9.5 | | Good | 1 | | |
| 973 974 | Ash, green | 9 19 | | Fair Good | 1 | | HP |
| 975 976 | Ash, green Cherry, black | 7 | | Good | 1 | | HP |
| 977 978 | Birch, paper Spruce, blue | 11.5 20 | 85 | Good Poor | 1 | | HP HP |
| 979 980 | Ash, green Ash, green | 12.5 21 | | Good Good | 1 | | HP HP |
| 981 982 | Spruce, blue Spruce, white | 23 19 | 85 85 | Poor Fair | 1 1 | | HP HP |
| 983 984 | Ash, green Spruce, white | 9 | 85 | Good Poor | 1 | | НР |
| 985 986 | Maple, Norway Maple, Norway | 9.5 | | Good | 1 1 | | - |
| 987 988 | Maple, Norway | 12 | | Good | 1 | | HP |
| 989 | Maple, Norway Maple, Norway | 4 | | Fair | 1 | | |
| 990 991 | Maple, Norway Ash, green | 8.5 23 | | Good Good | 1 | | HP |
| 992 993 | Hackberry Oak, white | 28 32 | | Good Good | 1 | WPA | HP |
| 994 995 | Cherry, black Ash, green | 5 | | Good Good | 1 1 | WPA WPA | |
| 996 997 | Basswood Ash, green | 6 6.5 | | Good Good | 1 | WPA WPA | |
| 998 999 | Basswood Ash, green | 4.5 7.5 | | Fair Good | 1 | WPA WPA | |
| 1000 1001 | Basswood Basswood | 10 10 | | Good Good | 1 | WPA WPA | |
| 1002 | Basswood Ash, green | 8 11 | | Good | 1 1 | WPA WPA | |
| 1004 | Aspen | 12.5 | | Good | 1 | WPA | |
| 1005 1006 | Boxelder Boxelder | 7 10 | | Very Poor Fair | 1 | WPA WPA | |
| 1007 1008 | Aspen Basswood | 10.5 13 | | Poor Fair | 1 | WPA WPA | |
| 1009 1010 | Ash, green Boxelder | 5 10 | | Good Good | 1 | WPA WPA | |
| 1011 1012 | Elm, American Aspen | 6.5 7.5 | | Good Fair | 1 1 | WPA WPA | |
| 1013 1014 | Basswood Aspen | 10.5 10.5 | | Poor Fair | 1 1 | WPA WPA | |
| 1015 1016 | Aspen Boxelder | 10 9.5 | | Fair Fair | 1 1 | WPA WPA | |
| 1016 1017 1018 | Aspen Aspen | 6.5 11 | | Poor Good | 1 1 | WPA WPA | |
| 1019 | Oak, red | 18 | | Good | 1 | WPA | |
| 1020 | Aspen Ash, green | 7.5 | | Fair Good | 1 | WPA WPA | |
| 1022 | Ash, green Aspen | 4.5 8 | | Poor Fair | 1 | WPA | |
| 1024 1025 | Basswood Basswood | 7.5 | | Good Good | 1 | WPA WPA | |
| 1026 1027 | Ash, green Oak, red | 5 18 | | Good Good | 1 1 | WPA WPA | |
| 1028 1029 | Oak, red Ash, green | 6.5 8 | | Good Good | 1 | WPA WPA | |
| 1030 1031 | Oak, red Basswood | 17 16.5 | | Good | 1 2 | WPA WPA | |
| 1031 1032 1033 | Oak, red Oak, pin | 4.5 21.5 | | Good Fair | 1 1 | WPA WPA | |
| 1033 1034 1035 | Elm, American | 16 | | Good | 1 1 | WPA WPA | |
| 1036 | Oak, red Oak, red | 19.5 | | Good Good | 1 | WPA | |
| 1037 | Ash, green Aspen | 11.5 12.5 | | Fair Good | 1 | WPA WPA | |
| 1039 1040 | Ash, green Ash, green | 5 6 | | Good Good | 1 | WPA WPA | |
| 1041 1042 | Ash, green Fir, balsam | 5 6 | 30 | Fair Fair | 1 | WPA WPA | |
| 1043 1044 | Spruce, white Ash, green | 11 5.5 | 38 | Good Good | 1 | WPA WPA | |
| 1045 1046 | Ash, green Spruce, white | 5.5 12 | 40 | Good Good | 1 1 | WPA WPA | |
| 1047 1048 | Fir, balsam Spruce, white | 6 4 | 35 25 | Good | 1 1 | WPA WPA | |
| 1049 | Spruce, white | 7 | 30 | Good | 1 | WPA | |
| 1050 1051 | Fir, balsam Boxelder | 6.5 5.5 | 30 | Good | 1 | WPA WPA | |
| 1052 1053 | Spruce, white Ash, green | 10.5 | 30 | Good Fair | 1 | WPA | |
| 1054 1055 | Ash, green Aspen | 7 4 | | Good Good | 1 | WPA WPA | |
| 1056 1057 | Aspen Ash, green | 4 7.5 | | Good Good | 1 | WPA WPA | |
| 1058 | Fir, balsam Ash, green | 8.5 5.5 | 32 | Good Good | 1 1 | WPA WPA | |
| 1059 | Aspen Fir, balsam | 4.5 6.5 | 28 | Good | 1 1 | WPA WPA | |
| 1060 1061 | TELL DARGEON | | . 40 | . Joou l | 1 | VVFA | |

| 1065 | Species Spruce, white | DBH 5 | Height 20 | Tree Condition Fair | No. of Stems | WPA Tree WPA | High Priority Tree |
|--------------|-----------------------------|--------------|-----------|---------------------------|-----------------|--------------------|--------------------------|
| 1066 | Fir, balsam Spruce, white | 4.5 10 | 23 25 | Fair Fair | 1 | WPA WPA | |
| 1068 1069 | Ash, green Ash, green | 6.5 7 | | Good Good | 1 1 | WPA WPA | |
| 1070 | Fir, balsam | 4 12 | 28 | Fair Good | 1 | WPA | |
| 1071 1072 | Aspen Spruce, white | 5.5 | 30 | Fair | 1 | WPA WPA | |
| 1073 1074 | Fir, balsam Fir, balsam | 7.5 6.5 | 30 30 | Fair Good | 1 | WPA WPA | |
| 1075 | Fir, balsam | 4 | 26 | Poor | 1 | WPA | |
| 1076 1077 | Pine, white Fir, balsam | 9 | 30 32 | Good Good | 1 | WPA WPA | |
| 1078 1079 | Fir, balsam Aspen | 8.5 13 | 30 | Good Good | 2 | WPA WPA | |
| 1080 | Spruce, white | 4.5 | 22 | Fair | 1 | WPA | |
| 1081 1082 | Ash, green Ash, green | 6.5 18 | | Good Good | 1 | WPA WPA | |
| 1083 | Spruce, white | 14 | 45 | Fair | 1 | WPA | |
| 1084 1085 | Oak, white Ash, green | 7.5 | | Good Fair | 1 | WPA WPA | |
| 1086 1087 | Oak, white Oak, white | 19.5 20.5 | | Good Good | 1 | WPA WPA | |
| 1087 | Oak, white | 18 | | Good | 1 | WPA | |
| 1089 1090 | Ash, green Oak, white | 5 19.5 | | Fair Fair | 1 | WPA WPA | |
| 1091 | Elm, American | 8.5 | | Good | 1 | WPA | |
| 1092 1093 | Oak, red Oak, white | 5 23.5 | | Good Good | 1 | WPA WPA | |
| 1094 1095 | Oak, white Oak, white | 25 23 | | Good Fair | 1 | WPA WPA | |
| 1096 | Ash, green | 8 | | Good | 1 | WPA | |
| 1097 1098 | Ash, green Oak, white | 8.5 21 | | Good Good | 1 | WPA WPA | |
| 1099 1100 | Ash, green Ash, green | 11 6 | | Good Good | 1 | WPA WPA | |
| 1101 | Ash, green | 14.5 | | Good | 1 | WPA | |
| 1102 1103 | Ash, green Ash, green | 7.5 | | Good Good | 1 | WPA WPA | |
| 1104 | Ash, green | 9 | | Good | 1 | WPA | |
| 1105 1106 | Basswood Basswood | 10.5 11.5 | | Good Good | 1 | WPA WPA | |
| 1107 1108 | Ash, green Ash, green | 11.5 4 | | Good Good | 1 | WPA WPA | |
| 1109 | Ash, green | 8 | | Good | 1 | WPA | |
| 1110 1111 | Ash, green Basswood | 10.5 42 | | Good Fair | 3 | WPA WPA | |
| 1112 | Cherry, black | 19 | | Good | 1 | WPA | |
| 1113 1114 | Ash, green Ash, green | 14.5 11.5 | | Good Good | 1 | WPA WPA | |
| 1115 1116 | Ash, green Basswood | 5.5 8.5 | | Good Good | 1 | WPA WPA | |
| 1117 | Ash, green | 7 | | Good | 1 | WPA | |
| 1118 1119 | Basswood Ash, green | 6 11 | | Good Good | 1 | WPA WPA | |
| 1120 | Ash, green | 7 | | Good | 1 | WPA | |
| 1121 1122 | Ash, green Ash, green | 12 13 | | Good Good | 1 | WPA WPA | |
| 1123 1124 | Ash, green Ash, green | 11.5 11 | | Good Good | 1 | WPA WPA | |
| 1125 | Basswood | 13 | | Good | 1 | WPA | |
| 1126 1127 | Basswood Ash, green | 5 17 | | Fair Good | 1 | WPA WPA | |
| 1128 | Ash, green | 15.5 | | Poor | 1 | WPA | |
| 1129 1130 | Ash, green Ash, green | 5.5 | | Good Good | 1 | WPA WPA | |
| 1131 1132 | Oak, white Oak, white | 29 | | Good Fair | 1 | WPA WPA | |
| 1133 | Basswood | 15.5 | | Good | 2 | WPA | |
| 1134 1135 | Ash, green Ash, green | 4.5 6.5 | | Good Good | 1 | WPA WPA | |
| 1136 1137 | Ash, green Ash, green | 12.5 15 | | Good Good | 1 | WPA WPA | |
| 1138 | Basswood | 12.5 | | Good | 1 | WPA | |
| 1139 1140 | Ash, green Ash, green | 13 | | Good Good | 1 | WPA WPA | |
| 1141 | Ash, green | 12 | | Fair | 1 | WPA | |
| 1142 1143 | Ash, green Ash, green | 13.5 7 | | Good Good | 1 | WPA WPA | |
| 1144 1145 | Ash, green Elm, American | 12 8.5 | | Good Good | 1 | WPA WPA | |
| 1146 | Ash, green | 5 | | Good | 1 | WPA | |
| 1147 1148 | Elm, American Ash, green | 6.5 11.5 | | Fair Good | 1 | WPA WPA | |
| 1149 1150 | Ash, green Crabapple | 8 7 | | Good Good | 1 | WPA WPA | |
| 1151 | Ash, green | 12 | | Very Poor | 1 | WPA | |
| 1152 1153 | Oak, red Ash, green | 18.5 8 | | Good Good | 1 | WPA WPA | |
| 1154 | Basswood | 4.5 | | Poor | 1 | WPA | |
| 1155 1156 | Basswood Ash, green | 5 | | Good Fair | 1 | WPA WPA | |
| 1157 1158 | Basswood Basswood | 6.5 | | Good Good | 1 | WPA WPA | |
| 1159 | Basswood | 14 | | Fair | 2 | WPA | |
| 1160 1161 | Basswood Basswood | 6 6.5 | | Fair Good | 1 | WPA WPA | 1 |
| 1162 | Oak, red | 18 | | Good | 1 | WPA | |
| 1163 1164 | Ironwood Basswood | 4.5 10 | | Good Good | 1 | WPA WPA | |
| 1165 1166 | Basswood Basswood | 5.5 8 | | Good Good | 1 | WPA WPA | |
| 1167 | Ash, green | 4 | | Good | 1 | WPA | |
| 1168 1169 | Basswood Ironwood | 13 5.5 | | Good Good | 1 | WPA WPA | |
| 1170 | Ash, green | 30 | | Fair | 1 | WPA | |
| 1171 1172 | Basswood Oak, red | 15.5 20 | | Fair Fair | 2 | WPA WPA | |
| 1173 1174 | Basswood Ironwood | 28 6.5 | | Fair Good | 1 1 | WPA WPA | 1 |
| 1175 | Oak, red | 37 | | Good | 1 | WPA | |
| 1176 1177 | Oak, red Pine, Scots | 28 26 | 60 | Good Fair | 1 | WPA WPA | |
| 1178 1179 | Pine, Scots Pine, Scots | 28 15.5 | 60 55 | Good Good | 1 | WPA | HP |
| 1180 | Ironwood | 6 | ,,, | Good | 1 | WPA | |
| 1181 1182 | Ash, green Ash, green | 13.4 18 | | Good Good | 1 | | HP HP |
| 1183 | Ash, green | 8 | | Good | 1 | | |
| 1184 1185 | Ash, green Ash, green | 8.5 10 | | Good Good | 1 | | HP |
| 1186 1187 | Mulberry Spruce, blue | 11 29 | 65 | Good Fair | 1 | | HP HP |
| 1188 | Spruce, blue | 22 | 70 | Fair | 1 | | HP |
| 1189 1190 | Spruce, blue Aspen | 15.5 4 | 70 | Fair Good | 1 | | HP |
| 1191 | Aspen | 4.5 | | Good | 1 | | |
| 1192 1193 | Aspen Aspen | 4.5 | | Good Good | 1 | | |
| 1194 1195 | Aspen Aspen | 4 5 | | Fair Good | 1 | | |
| 1196 | Ash, green | 24 | | Good | 1 | | HP |
| 1197 1198 | Aspen Aspen | 13 15 | | Good Good | 1 | | HP HP |
| 1199 | Aspen | 10 | | Good | 1 | | HP |
| 1200 1201 | Spruce, white Aspen | 8 14 | 35 | Fair Good | 1 | | HP HP |
| 1202 | Spruce, white | 8 | 25 | Very Poor | 1 | | HP |
| 1203 1204 | Aspen Aspen | 8 6.5 | | Fair Fair | 1 | | |
| 1205 1206 | Ash, green Ash, green | 7.5 14.5 | | Fair Good | 1 | | НР |
| 1207 | Ash, green | 21 | | Fair | 1 | | HP HP |
| 1208 1209 | Ash, green Ash, green | 6 | | Poor Fair | 1 1 | | 1 |
| 1210 | Ash, green | 10.5 | | Good | 1 | | HP |
| 1211 1212 | Ash, green Ash, green | 9.5 | | Fair Good | 1 | | |
| | Ash, green | 6.5 | _ | Good | 1 | _ | |
| 1213 1214 | Ash, green | 15.5 | | Good | 1 | | HP |

| Tree No. | Species | рвн | Height | Tree | No. of | WPA | High Priorit |
|--|---|-------------------|----------|--|------------|------------|-----------------|
| 1217 | Ash, green | 6.5 | | Condition Good | Stems 1 | Tree | Tree |
| 1218 1219 | Boxelder Boxelder | 13.5 21 | | Fair Very Poor | 1 | | HP HP |
| 1220 | Ash, green | 6 | | Good | 1 | | |
| 1221 1222 | Ash, green Ash, green | 12 7 | | Good Good | 1 | | HP |
| | Ash, green Ash, green | 10 23 | | Good Fair | 1 | | HP HP |
| 1225 | Ash, green | 10 | | Good | 1 | | HP |
| 1226 1227 | Ash, green Ash, green | 5 18 | | Good Good | 1 | | HP |
| 1228 1229 | Ash, green Elm, American | 10.5 17.5 | | Good Good | 1 | | HP HP |
| 1230 | Ash, green | 7 | | Good | 1 | | |
| 1231 1232 | Crabapple Ash, green | 14.5 10 | | Very Poor Good | 1 | | HP HP |
| 1233 1234 | Cherry, black Mulberry | 5 4.5 | | Good Good | 1 | | |
| 1235 | Mulberry | 4.5 | | Good | 1 | | |
| 1236 1237 | Boxelder Elm, American | 4.5 14 | | Good Fair | 4 | | HP |
| 1238 1239 | Ash, green Boxelder | 4 25 | | Good Fair | 1 | | HP |
| 1240 | Ash, green | 5 | | Fair | 1 | | 111 |
| 1241 1242 | Butternut Ash, green | 8 19 | | Good Good | 1 | | HP |
| 1243 | Crabapple | 25 | | Poor | 1 | | HP |
| 1244 1245 | Ash, green Boxelder | 17.5 14 | | Good Fair | 1 | | HP HP |
| 1246 1247 | Ash, green Ash, green | 11.5 8 | | Good Good | 1 | | HP |
| 1248 | Crabapple | 20.5 | | Fair | 2 | | HP |
| 1249 1250 | Ash, green Boxelder | 31 12.5 | | Good Fair | 1 | | HP HP |
| 1251 1252 | Boxelder Oak, white | 15 25.5 | | Good Fair | 1 | | HP HP |
| 1253 | Oak, white | 29 | | Good | 1 | WPA | |
| 1254 1255 | Boxelder Oak, white | 14.5 19 | | Good Good | 1 | WPA | HP |
| 1256 1257 | Oak, white Oak, red | 28 19.5 | | Good Good | 1 | WPA WPA | _ |
| 1258 | Oak, red | 24 | | Good | 1 | WPA | |
| 1259 1260 | Oak, red Oak, white | 22 18.5 | | Good Good | 1 | WPA WPA | |
| 1261 | Basswood | 8 | | Good | 1 | WPA | |
| 1262 1263 | Oak, red Oak, red | 29 8 | | Good Good | 1 | WPA WPA | _ |
| 1264 1265 | Ash, green Oak, white | 11 26 | | Good Very Poor | 1 1 | WPA WPA | |
| 1266 | Fir, Douglas | 25.5 | 65 | Good | 1 | WPA | |
| 1267 1268 | Basswood Basswood | 16.5 23.5 | | Good Fair | 2 1 | WPA WPA | |
| 1269 | Arborvitae | 8 | 30 | Poor | 1 | | НР |
| 1270 1271 | Arborvitae Arborvitae | 18 8 | 30 28 | Fair Fair | 1 | | HP HP |
| 1272 | Arborvitae | 9.5 | 27 | Fair | 1 | | HP |
| 1273 1274 | Arborvitae Oak, red | 9 7.5 | 28 | Good Good | 1 | WPA | HP |
| 1275 1276 | Oak, red Oak, red | 13.5 4.5 | | Good Fair | 1 | WPA WPA | |
| 1277 | Ash, green | 17.5 | 20 | Good | 1 | WPA | |
| | Spruce, white Spruce, white | 7 5 | 28 24 | Fair Fair | 1 | WPA WPA | |
| | Fir, balsam Ash, green | 9 9.5 | 30 | Fair Good | 1 | WPA WPA | |
| 1282 | Ash, green | 4.5 | | Fair | 1 | WPA | |
| 1283 1284 | Oak, red Basswood | 12.5 11 | | Good Good | 1 | WPA WPA | |
| 1285 1286 | Basswood Oak, red | 5 13.5 | | Good Good | 1 | WPA WPA | |
| 1287 | Oak, red | 6 | | Good | 1 | WPA | |
| 1288 1289 | Basswood Basswood | 25.5 11 | | Good Good | 1 | WPA WPA | |
| 1290 1291 | Oak, red Ash, green | 8.5 7 | | Good Good | 1 | WPA WPA | |
| 1292 | Basswood | 22.5 | | Fair | 2 | WPA | |
| 1293 1294 | Basswood Fir, balsam | 11 6.5 | 30 | Fair Good | 1 | WPA WPA | |
| 1295 | Fir, balsam | 4 16.5 | 25 | Good | 1 2 | WPA | |
| 1296 1297 | Oak, red Ash, green | 5.5 | | Good Fair | 1 | WPA WPA | |
| | Fir, balsam Fir, balsam | 7.5 4 | 34 25 | Good Good | 1 | WPA WPA | |
| 1300 | Fir, balsam | 7.5 | 24 | Good | 1 | WPA | |
| 1301 1302 | Fir, balsam Fir, balsam | 4.5 4.5 | 26 22 | Good Poor | 1 | WPA WPA | |
| | Fir, balsam Fir, balsam | 5.5 6.5 | 30 32 | Good Good | 1 | WPA WPA | |
| 1305 | Fir, balsam | 5.5 | 28 | Fair | 1 | WPA | |
| 1306 1307 | Oak, red Fir, balsam | 11.5 6.5 | 30 | Fair Good | 1 | WPA WPA | |
| 1308 1309 | Fir, balsam Ash, green | 6 9.5 | 32 | Good Good | 1 | WPA WPA | |
| 1310 | Fir, balsam | 5 | 28 | Fair | 1 | WPA | |
| 1311 1312 | Spruce, white Spruce, white | 15 7 | 40 28 | Fair Fair | 1 | WPA WPA | |
| 1313 1314 | Oak, red Fir, balsam | 12.5 8.5 | 35 | Good Good | 1 | WPA WPA | |
| 1315 | Fir, balsam | 5.5 | 30 | Good | 1 | WPA | |
| 1316 1317 | Spruce, white Oak, pin | 8.5 15.5 | 35 | Fair Good | 1 | WPA WPA | |
| 1318 | Oak, white Ash, green | 23 12.5 | | Poor Fair | 1 | WPA | НР |
| 1320 | Ash, green | 17.0 | | Fair | 1 | | HP |
| 1321 1322 | Elm, American Boxelder | 14.5 20.0 | | Good Fair | 1 | | HP HP |
| 1323 1324 | Walnut Boxelder | 4.5 5.0 | | Good Good | 1 1 | | |
| 1325 | Ash, green | 16.5 | | Good | 1 | | HP |
| 1326 1327 | Boxelder Elm, Siberian | 15.0 5.5 | | Good Good | 1 | | HP |
| 1328 1329 | Elm, Siberian Elm, Siberian | 5.5 4.0 | | Good Fair | 1 | | |
| 1330 | Elm, Siberian | 4.5 | | Good | 1 | | |
| 1331 1332 | Elm, Siberian Ash, green | 5.0 5.5 | | Good Good | 1 | | |
| 1333 1334 | Cherry, black Aspen | 5.0 11.0 | | Good Poor | 1 1 | | НР |
| 1335 | Aspen | 10.5 | | Very Poor | 1 | | HP |
| 1336 1337 | Ash, green Aspen | 4.0 9.0 | | Fair Fair | 1 | | |
| 1338 1339 | Ash, green Aspen | 6.5 11.0 | | Good Fair | 1 | | НР |
| 1340 | Ash, green | 11.0 | | Good | 1 | | HP |
| 1341 1342 | Ash, green Pine, white | 5.0 11.0 | 50 | Fair Good | 1 | | НР |
| 1343 1344 | Oak, red Fir, balsam | 18.0 19.0 | 50 | Good Fair | 1 | | HP HP |
| 1345 | Spruce, blue | 11.0 | 45 | Fair | 1 | | HP |
| 1346 1347 | Boxelder Boxelder | 4.5 7.0 | | Fair Good | 1 | | |
| | Ash, green Boxelder | 4.0 15.5 | | Fair Fair | 1 2 | | НР |
| 1350 | Maple, sugar | 14.0 | - | Good | 1 | | НР |
| 1351 1352 | Spruce, blue Walnut | 7.0 5.0 | 30 | Poor Good | 1 | | HP |
| 1353 | Boxelder | 5.5 | EO | Poor | 1 | | 115 |
| 1354 1355 | Pine, white Cherry, black | 9.0 9.0 | 50 | Good Good | 1 | | HP |
| 1356 | Aspen Aspen | 4.5 4.5 | | Good Good | 1 | | |
| 1357 | Aspen | 11.0 | | Good | 1 | | НР |
| 1357 1358 | Aspen Cherry | 13.0 4.0 | | Good Good | 1 | | HP |
| | Circiiy | | | Poor | 1 1 | | НР |
| 1358 1359 1360 1361 | Aspen | 14.0 | | F- ' | | | |
| 1358 1359 1360 1361 1362 1363 | Aspen Aspen Cherry, black | 7.5 7.0 | | Fair Good | 1 | | |
| 1358 1359 1360 1361 1362 1363 1364 | Aspen Aspen | 7.5 | 12 | | | | HP |
| 1358 1359 1360 1361 1362 1363 1364 | Aspen Aspen Cherry, black Cherry, black | 7.5 7.0 7.5 | 12 | Good Fair | 1 | | HP |

| | Species | DBH | Height | Tree Condition | No. of Stems | WPA Tree | Hig Prior Tre |
|--------------|--------------------------------|--------------|----------|-------------------|-----------------|-------------|---------------------|
| 1369 | Spruce, white | 3.0 | 14 | Fair | 1 | | HI |
| 1370 1371 | Spruce, white Aspen | 4.0 8.0 | 18 | Fair Good | 1 | | HI |
| 1372 | Ash, green | 8.5 | | Fair | 1 | | |
| 1373 | Aspen Cherry black | 12.0 | | Good | 1 | | Н |
| 1374 1375 | Cherry, black Ash, green | 9.0 | | Good Good | 1 | | HI |
| 1376 | Cherry, black | 8.0 | | Good | 1 | | |
| 1377 1378 | Aspen Ash, green | 8.5 6.0 | | Good Good | 1 | | |
| 1379 | Boxelder | 5.5 | | Good | 1 | | |
| 1380 1381 | Oak, red Ash, green | 10.0 6.5 | | Good Good | 1 1 | | Н |
| 1382 | Aspen | 7.0 | | Good | 1 | | |
| 1383 1384 | Walnut Boxelder | 4.5 4.0 | | Good Good | 1 | | + |
| 1385 | Fir, balsam | 11.5 | 45 | Good | 1 | | Н |
| 1386 1387 | Oak, bur Mulberry | 9.0 18.0 | | Good Fair | 2 | | Н |
| 1388 | Mulberry | 20.0 | | Fair | 3 | | Н |
| 1389 1390 | Spruce, blue Spruce, blue | 11.5 19.0 | 50 50 | Fair Poor | 1 1 | | H |
| 1391 | Oak, bur | 9.0 | | Good | 1 | | |
| 1392 1393 | Oak, bur Oak, bur | 10.0 7.5 | | Good Good | 1 | | Н |
| 1394 | Ash, green | 5.5 | | Good | 1 | | |
| 1395 1396 | Boxelder | 5.0 12.0 | | Good Good | 1 | | Н |
| 1397 | Oak, pin Ash, green | 9.5 | | Fair | 1 | | |
| 1398 | Aspen | 4.0 | | Fair | 1 | | |
| 1399 1400 | Aspen Maple, silver | 4.0 42.0 | | Good Fair | 1 1 | | Н |
| 1401 | Maple, silver | 28.0 | | Good | 1 | | Н |
| 1402 1403 | Ash, green Ash, green | 24.0 29.0 | | Poor Poor | 1 | | H |
| 1404 | Ash, green | 21.0 | | Fair | 1 | | Н |
| 1405 1406 | Pine, white | 5.5 4.5 | 30 | Good | 1 | | Н |
| 1406 1407 | Pine, white Pine, white | 4.5 | 28 28 | Fair Good | 1 | | H |
| 1408 | Pine, white | 4.5 | 28 | Good | 1 | | Н |
| 1409 1410 | Pine, white Elm, Siberian | 2.5 5.5 | 25 | Good Good | 1 | | Н |
| 1411 | Elm, Siberian | 4.5 | | Good | 1 | | |
| 1412 1413 | Elm, Siberian Elm, Siberian | 4.0 | | Good Good | 1 | | + |
| 1413 | Elm, Siberian Elm, Siberian | 4.5 | | Good | 1 | | |
| 1415 | Elm, Siberian | 4.0 | | Poor | 1 | | |
| 1416 1417 | Elm, Siberian Elm, Siberian | 6.5 4.5 | | Good Good | 1 | | + |
| 1418 | Elm, Siberian | 6.5 | | Good | 1 | | <u> </u> |
| 1419 1420 | Pine, white Pine, white | 4.5 6.0 | 20 | Fair Good | 1 | | H |
| 1421 | Ash, green | 8.0 | | Good | 1 | | |
| 1422 1423 | Ash, green Boxelder | 5.0 6.0 | | Good Good | 1 | | +- |
| 1423 | Ash, green | 5.0 | | Good | 1 | | |
| 1425 | Ash, green | 8.0 | | Good | 1 | | - |
| 1426 1427 | Ash, green Ash, green | 5.5 4.5 | | Fair Good | 1 | <u> </u> | <u> </u> |
| 1428 | Boxelder | 13.5 | | Fair | 1 | | Н |
| 1429 1430 | Boxelder Ash, green | 11.5 10.9 | | Fair Poor | 1 | | H |
| 1431 | Walnut | 20.0 | | Good | 1 | | Н |
| 1432 1433 | Fir, balsam Fir, balsam | 5.5 8.5 | 30 40 | Dead Fair | 1 | | H |
| 1434 | Fir, balsam | 9.0 | 35 | Dead | 1 | | Н |
| 1435 1436 | Walnut Ash, green | 11.5 15.0 | | Fair Good | 1 | | Н |
| 1436 | Ash, green Ash, green | 9.0 | | Good | 1 | | |
| 1438 1439 | Ash, green | 12.0 13.5 | | Good | 1 | | Н |
| 1439 | Ash, green Ash, green | 13.5 | | Good Good | 1 | | H |
| 1441 | Ash, green | 24.5 | | Fair | 2 | | Н |
| 1442 1443 | Boxelder Boxelder | 12.5 7.5 | | Fair Good | 1 | | Н |
| 1444 | Ash, green | 11.5 | | Good | 1 | | Н |
| 1445 1446 | Ash, green Ash, green | 14.5 5.0 | | Good Good | 1 1 | | Н |
| 1447 | Maple, silver | 4.5 | | Good | 1 | | |
| 1448 1449 | Elm, American Elm, American | 6.5 9.0 | | Good Good | 1 | | +- |
| 1449 | Maple, silver | 56.0 | | Poor | 1 | | Н |
| 1451 | Boxelder | 17.5 | | Good | 1 | | Н |
| 1452 1453 | Ash, green Locust, black | 15.5 7.5 | | Fair Fair | 1 | | Н |
| 1454 | Locust, black | 7.0 | | Good | 1 | | |
| 1455 1456 | Locust, black Ash, green | 10.0 14.5 | | Good Good | 1 1 | | H |
| 1457 | Spruce, Norway | 29.0 | 50 | Good | 1 | | Н |
| 1458 1459 | Elm, Siberian Fir, balsam | 20.5 13.0 | 60 | Good Fair | 1 | 1 | H |
| 1460 | Pine, white | 21.0 | 60 | Good | 1 | | Н |
| 1461 1462 | Ash, green | 39.0 10.0 | | Good Fair | 1 | - | Н |
| 1462 1463 | Ash, green Ash, green | 10.0 | | Fair Fair | 1 | | H |
| 1464 | Ash, green | 10.5 | | Good | 1 | | Н |
| 1465 1466 | Ash, green Elm, American | 22.0 6.5 | | Poor Good | 1 1 | | Н |
| 1467 | Ash, green | 12.5 | | Poor | 2 | | Н |
| 1468 1469 | Ash, green Ash, green | 6.0 5.5 | | Very Poor Fair | 1 | | + |
| 1469 | Ash, green Ash, green | 14.5 | | Very Poor | 1 | | Н |
| 1471 | Elm, American | 5.0 | | Fair | 1 | | ļ |
| 1472 1473 | Ash, green Maple, silver | 24.0 11.0 | | Very Poor Good | 1 | | H |
| 1474 | Ash, green | 15.0 | | Good | 1 | | Н |
| 1475 1476 | Ash, green Maple, silver | 17.5 10.0 | | Fair Good | 1 | | H |
| 1476 | Boxelder | 5.5 | | Good | 1 | | |
| | Ash, green | 20.0 | | Poor | 1 | | Н |
| 1478 | Ash, green | 11.0 16.5 | | Good Good | 1 | | H |
| | Ash, green | 10.5 | | , 1 | - | | |





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ENVIRONMENTAL

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08/25/2023 PRELIMINARY PLAT



Review Date

SHEET INDEX C0-1 COVER SHEET C1-1 EIXSTING CONDITIONS C1-2 DEMOLITION PLAN C2-1 SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN

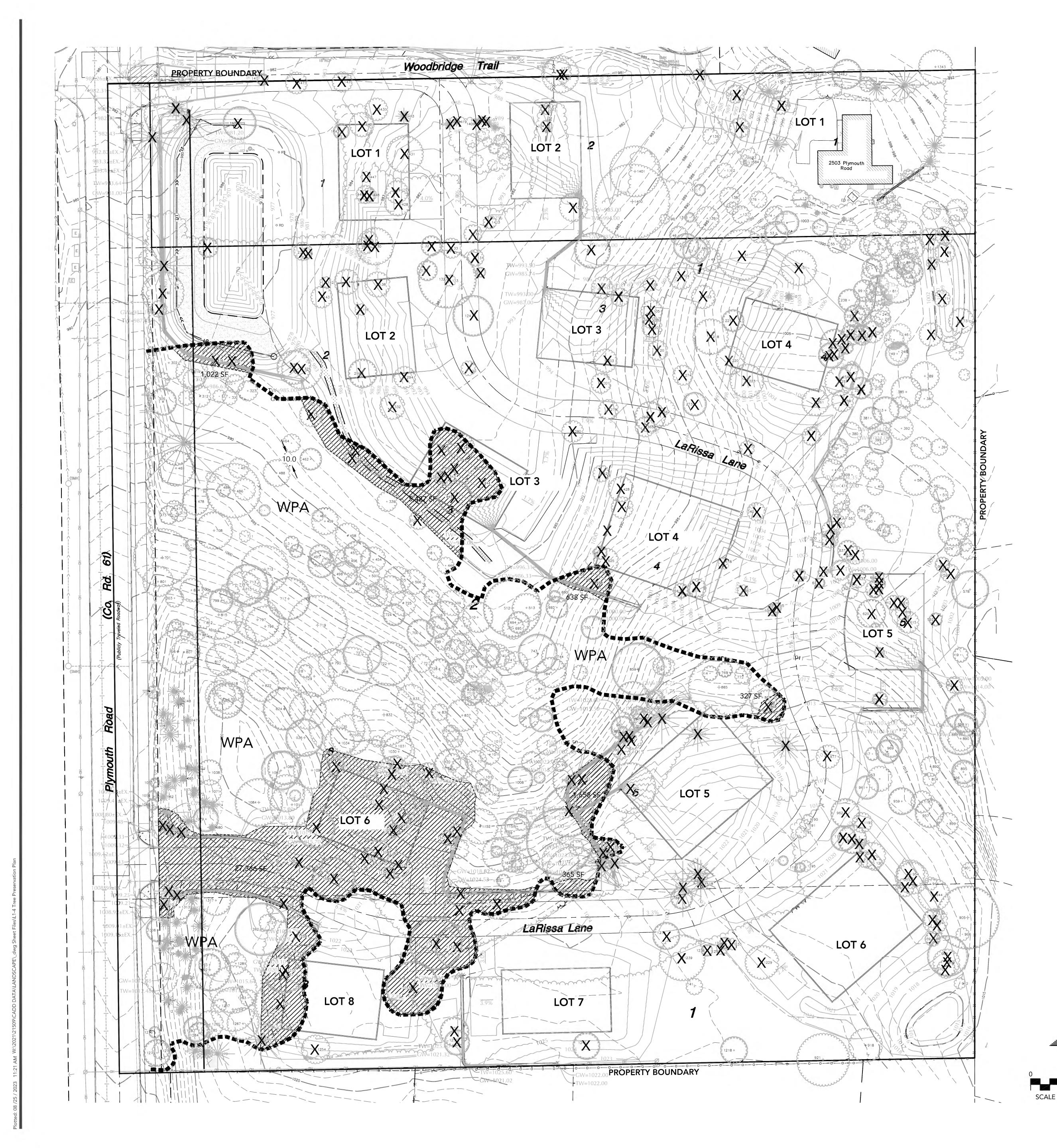
L1-5 TO L1-7 TREE REMOVALS PLAN

08/21/2023

NOTE:

ALL LISTED TREES ARE SIGNIFICANT UNLESS NOTED AS 'HP'







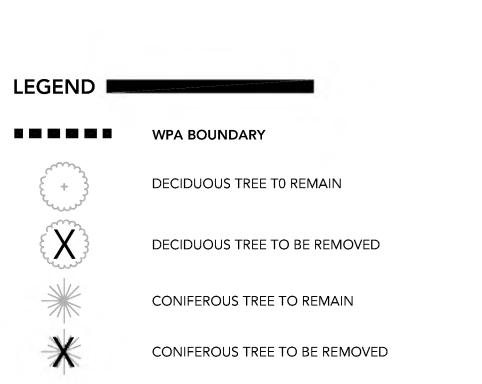
LAKE WE DEVELOPMENT, L

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CADD QUALIFICATION SUBMITTAL/REVISIONS

TOTAL HP & SIGNIFICANT TREES ON SITE TOTAL HP TREES ON SITE TOTAL SIGNIFICANT TREES ON SITE 139 (32.8%) TOTAL HP TREES REMOVED (35% ALLOWED) 08/24/2023 PRELIMINARY PLAT TOTAL SIGNIFICANT TREES REMOVED (50% ALLOWED) 119 (30.4%) 3.37 ACRES WPA TOTAL AREA 0.84 ACRES (25.0%) TOTAL DISTURBED WPA AREA (25% ALLOWED – 0.84 ACRES)



TREE CALCULATIONS



L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN





NON-WPA HEALTHY TREE REMOVALS (NO ASH, BLACK LOCUST OR SIBERIAN ELM)

| ree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree | Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priorit Tree |
|----------------|---------------------------|------------|--------|------------------|-----------------|--------------------|--------------------------|------------|----------------------|--------------|--------|------------------|-----------------|--------------------|-------------------------|
| 3 | Basswood Fir, Douglas | 30 | 60 | Good Fair | 1 | Saved Removed | HP | 231 | Aspen Aspen | 9 | | Good Good | 1 | Removed Removed | HP |
| 6 | Boxelder | 10 | 60 | Fair | 1 | Removed | HP | 232 | Aspen | 10 | | Good | 1 | Removed | НР |
| 23 | Boxelder | 9 | | Good | 1 | Removed | | 234 | Aspen | 7.5 | | Good | 1 | Removed | |
| 24 | Elm, American | 5 | | Good | 1 | Removed | | 235 | Aspen | 7.5 | | Good | 1 | Removed | |
| 28 | Elm, American | 8 | | Good | 1 | Saved | | 236 | Aspen | 8.5 | | Good | 1 | Saved | |
| 29 | Boxelder | 7.5 | | Fair | 1 | Removed | LUD | 237 | Aspen | 10.5 | | Good | 1 | Removed | HP |
| 30 | Boxelder Aspen | 20 10 | | Fair Fair | 1 | Removed Removed | HP HP | 238 | Aspen Aspen | 9 | | Good Good | 1 1 | Saved Saved | HP |
| 33 | Aspen | 9.5 | | Fair | 1 | Removed | ПР | 240 | Aspen | 10 | | Good | 1 | Saved | HP |
| 36 | Boxelder | 9 | | Fair | 1 | Removed | | 241 | Aspen | 9.5 | | Good | 1 | Saved | |
| 39 | Cherry, black | 19 | | Good | 1 | Removed | НР | 242 | Aspen | 10.5 | | Good | 1 | Removed | НР |
| 45 | Aspen | 13 | | Fair | 1 | Saved | HP | 243 | Aspen | 7.5 | | Good | 1 | Saved | |
| 46 | Aspen | 8.5 | | Fair | 1 | Saved | | 246 | Aspen | 11 | | Good | 1 | Saved | HP |
| 47 48 | Aspen Aspen | 12.5 11 | | Fair | 1 | Saved | HP HP | 247 | Aspen Aspen | 9.5 | | Good | 1 | Saved Saved | |
| 46 49 | Aspen | 12 | | Fair Fair | 1 | Saved Saved | НР | 248 | Aspen | 12 | | Good Good | 1 | Saved | НР |
| 51 | Oak, white | 28 | | Good | 1 | Removed | HP | 251 | Elm, American | 6 | | Good | 1 | Saved | |
| 52 | Aspen | 7.5 | | Fair | 1 | Saved | | 253 | Aspen | 5.5 | | Good | 1 | Removed | |
| 53 | Aspen | 12 | | Fair | 1 | Saved | HP | 254 | Aspen | 13 | | Good | 1 | Removed | НР |
| 55 | Aspen | 9 | | Good | 1 | Saved | | 255 | Aspen | 10 | | Good | 1 | Saved | HP |
| 56 | Aspen | 5 | | Good | 1 | Saved | LID | 256 | Aspen | 11 | | Good | 1 | Removed | HP |
| 57 58 | Aspen Aspen | 13 | | Good Good | 1 | Saved Saved | HP HP | 257 259 | Aspen Aspen | 14.5 | | Good Good | 1 | Removed Removed | HP HP |
| 59 | Aspen | 11.5 | | Good | 1 | Saved | HP | 261 | Aspen | 14 | | Good | 1 | Removed | HP |
| 60 | Aspen | 11.5 | | Good | 1 | Saved | HP | 273 | Boxelder | 11.5 | | Good | 1 | Removed | НР |
| 61 | Aspen | 10.5 | | Good | 1 | Saved | НР | 274 | Boxelder | 10 | | Good | 1 | Removed | НР |
| 62 | Aspen | 8.5 | | Good | 1 | Saved | | 278 | Boxelder | 9.5 | | Good | 1 | Removed | |
| 63 | Cherry, black | 4 | | Good | 1 | Saved | | 280 | Boxelder | 10.5 | | Good | 1 | Removed | HP |
| 64 | Aspen | 12 | | Good | 1 | Saved | HP | 294 | Walnut Cherry, black | 10.5 | | Good | 1 | Removed | HP |
| 65 66 | Aspen Aspen | 10.5 | | Good | 1 | Saved Removed | HP HP | 300 | Maple, silver | 14.5 21.5 | | Good Fair | 1 | Removed Removed | HP HP |
| 67 | Aspen | 9 | | Good | 1 | Removed | 111 | 302 | Oak, pin | 17.5 | | Good | 1 | Saved | HP |
| 69 | Aspen | 10 | | Good | 1 | Removed | НР | 303 | Oak, red | 7 | | Good | 1 | Saved | |
| 70 | Aspen | 5 | | Fair | 1 | Removed | | 305 | Oak, pin | 13.5 | | Good | 1 | Saved | НР |
| 71 | Boxelder | 8 | | Good | 1 | Removed | | 311 | Oak, red | 6.5 | | Good | 1 | Saved | |
| 73 | Aspen | 13 | | Good | 1 | Removed | HP | 312 | Oak, pin | 10.5 | | Good | 1 | Saved | HP |
| 75 76 | Aspen Cherry, black | 6.5 6.5 | | Fair Good | 1 1 | Saved Saved | | 313 | Aspen Basswood | 11 16.5 | | Good Good | 1 | Saved Saved | HP HP |
| 77 | Cherry, black | 4.5 | | Good | 1 | Saved | | 314 | Oak, pin | 15.5 | | Good | 1 | Removed | HP |
| 79 | Cherry, black | 11.5 | | Good | 1 | Removed | НР | 317 | Cherry, black | 5.5 | | Good | 1 | Saved | |
| 81 | Aspen | 7.5 | | Good | 1 | Saved | | 321 | Cherry, black | 6.5 | | Good | 1 | Saved | |
| 82 | Aspen | 18.5 | | Good | 2 | Saved | HP | 322 | Aspen | 9 | | Fair | 1 | Saved | |
| 84 | Aspen | 10 | | Fair | 1 | Saved | HP | 323 | Cherry, black | 9.5 | | Fair | 1 | Saved | |
| 86 87 | Aspen Aspen | 11 12.5 | | Good | 1 | Saved | HP HP | 328 | Maple, silver | 18 | | Good | 1 | Removed | HP |
| 88 | Aspen | 9.5 | | Good Good | 1 | Saved Saved | пг | 329 | Maple, silver Aspen | 22 11.5 | | Fair Good | 1 1 | Removed Removed | HP HP |
| 89 | Aspen | 10.5 | | Good | 1 | Saved | HP | 332 | Walnut | 12.5 | | Good | 1 | Removed | HP |
| 90 | Boxelder | 8.5 | | Fair | 1 | Saved | | 334 | Cherry, black | 8 | | Good | 1 | Removed | |
| 91 | Aspen | 11 | | Good | 1 | Saved | HP | 339 | Cherry, black | 9.5 | | Good | 1 | Saved | |
| 92 | Aspen | 10 | | Good | 1 | Saved | HP | 342 | Cherry, black | 5 | | Good | 1 | Removed | |
| 93 94 | Aspen Aspen | 10 | | Good | 1 | Saved | HP HP | 343 | Aspen | 9 | | Good | 1 | Removed | LID |
| 95 | Oak, pin | 5 | | Good | 1 | Saved Saved | ПР | 344 | Aspen Aspen | 15.5 13.5 | | Good Good | 1 | Removed Removed | HP HP |
| 96 | Aspen | 9 | | Good | 1 | Saved | | 365 | Boxelder | 9.5 | | Fair | 1 | Removed | 111 |
| 97 | Aspen | 10 | | Good | 1 | Saved | HP | 366 | Aspen | 16 | | Good | 1 | Removed | НР |
| 98 | Aspen | 9.5 | | Good | 1 | Saved | | 367 | Aspen | 14.5 | | Good | 1 | Removed | НР |
| 99 | Aspen | 10.5 | | Good | 1 | Saved | HP | 370 | Boxelder | 7 | | Good | 1 | Removed | |
| 100 | Spruce, white | 4.5 | 24 | Fair | 1 | Saved | HP | 376 | Aspen | 9 | | Good | 1 | Removed | _ |
| 101 | Oak, red Aspen | 19 | | Good | 1 | Removed Saved | HP | 378 | Aspen Aspen | 9.5 | | Good | 1 | Saved Saved | HP |
| 103 | Aspen | 11.5 | | Fair | 1 | Removed | HP | 380 | Aspen | 12 | | Good Good | 1 | Saved | НР |
| 104 | Aspen | 13.5 | | Fair | 1 | Removed | HP | 381 | Aspen | 11 | | Good | 1 | Saved | HP |
| 105 | Aspen | 10.5 | .1 | Fair | 1 | Removed | HP | 383 | Aspen | 14 | | Good | 1 | Saved | НР |
| 106 | Boxelder | 5.5 | | Fair | 1 | Removed | | 384 | Aspen | 10.5 | | Good | 1 | Saved | НР |
| 110 | Boxelder | 9 | | Fair | 1 | Removed | LUD | 385 | Aspen | 15.5 | | Good | 1 | Saved | HP |
| 113 124 | Boxelder Elm, American | 22 | | Good Good | 1 | Removed Removed | HP HP | 387 | Aspen Aspen | 15.5 9 | | Good | 1 | Saved Saved | HP |
| 129 | Boxelder | 4 | | Fair | 1 | Removed | 111 | 389 | Aspen | 15 | | Fair Good | 1 | Saved | НР |
| 131 | Boxelder | 7.5 | | Good | 1 | Removed | | 392 | Aspen | 12 | | Good | 1 | Saved | НР |
| 132 | Maple, silver | 32 | | Fair | 1 | Removed | HP | 393 | Aspen | 10.5 | | Fair | 1 | Saved | НР |
| 133 | Elm, American | 5 | | Good | 1 | Removed | | 394 | Boxelder | 8 | | Fair | 1 | Saved | |
| 137 | Maple, silver | 9.5 | | Good | 1 | Removed | | 399 | Aspen | 11.5 | | Good | 1 | Saved | HP |
| 138 | Boxelder | 13 | | Fair | 1 | Removed | HP | 400 | Aspen | 10.5 | | Good | 1 | Saved | HP |
| 140 | Boxelder Elm, American | 12.5 5 | | Fair Fair | 1 | Removed Removed | HP | 401 | Aspen Aspen | 9 8 | | Good Good | 1 | Saved Saved | |
| 143 | Boxelder | 10.5 | - | Fair | 1 | Removed | HP | 402 | Aspen | 7.5 | | Fair | 1 | Saved | |
| 160 | Oak, pin | 22.5 | | Good | 1 | Removed | HP | 406 | Aspen | 6 | | Good | 1 | Saved | |
| 165 | Elm, American | 8 | | Good | 1 | Removed | | 407 | Aspen | 6 | | Fair | 1 | Saved | |
| 186 | Boxelder | 5 | | Fair | 1 | Removed | | 409 | Aspen | 9 | | Good | 1 | Saved | |
| 190 | Elm, American | 6.5 | | Good | 1 | Removed | | 410 | Aspen | 10.5 | | Good | 1 | Saved | НР |
| 201 | Boxelder | 9.5 | | Good | 1 | Removed | 115 | 411 | Aspen | 8 | | Good | 1 | Saved | |
| 203 | Boxelder | 6.5 | | Fair | 1 | Removed Removed | HP | 428 | Cherry, black | 7.5 | | Good | 1 | Removed | HP |
| 206 | Walnut Aspen | 10 | | Good Good | 1 | Removed | HP | 429 | Boxelder Boxelder | 10.5 | | Fair Fair | 1 1 | Removed Removed | HP |
| 208 | Aspen | 10 | | Good | 1 | Removed | НР | 444 | Aspen | 16.5 | | Good | 1 | Removed | НР |
| 218 | Oak, pin | 18.5 | | Good | 1 | Removed | НР | 445 | Aspen | 18 | | Fair | 1 | Removed | НР |
| 220 | Maple, Norway | 15 | | Good | 1 | Removed | HP | 446 | Cherry, black | 8 | | Fair | 1 | Saved | |
| 221 | Cherry, black | 11 | | Good | 1 | Removed | НР | 448 | Elm, American | 7 | | Good | 1 | Saved | |
| 223 | Cherry, black | 18 | | Good | 1 | Removed | HP | 452 | Oak, red | 9 | | Good | 1 | Removed | |
| 225 | Aspen | 12.5 | | Good | 1 | Saved | HP | 454 | Aspen | 13 | | Good | 1 | Saved | НР |
| 226 | Aspen Aspen | 5.5 6 | | Fair Good | 1 | Saved Removed | | 455 456 | Aspen Aspen | 13.5 14 | | Good Good | 1 | Saved Saved | HP HP |
| 228 | Aspen | 14.5 | | Good | 1 | Removed | HP | 456 | Cherry, black | 8 | | Good | 1 | Saved | ПР |
| - - | <u>.</u> | | L | | _ | 1 | 1 | , | ,, =:==: | | | Jour | _ | | |

| | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priori Tree |
|---|---|---------------|----------|----------------------|-----------------|-------------------------------|------------------------|
| 458 | Aspen | 13 | | Good | 1 | Saved | HP |
| 459 460 | Aspen Cherry, black | 13.5 | | Good | 1 | Saved | HP |
| 460 | Boxelder | 11 | | Fair Fair | 1 | Saved | НР |
| 464 | Boxelder | 9 | | Fair | 1 | Saved | 111 |
| 466 | Arborvitae | | 62 | Fair | 4 | Saved | HP |
| 467 | Maple, silver | 16 | | Good | 1 | Saved | НР |
| 469 | Basswood | 19 | | Fair | 1 | Saved | НР |
| 473 | Aspen | 9 | | Fair | 1 | Saved | |
| 474 | Oak, red | 7.5 | | Good | 1 | Saved | |
| 475 | Aspen | 8 | | Good | 1 | Saved | |
| 478 | Oak, red | 14 | | Good | 1 | Saved | HP |
| 479 | Oak, red | 4 | | Good | 1 | Saved | |
| 484 | Cherry, black | 5.5 | | Good | 1 | Saved | |
| 485 | Oak, bur | 30 | | Good | 1 | Saved | HP |
| 486 | Oak, bur Cherry, black | 11 | | Good | 1 | Saved | HP |
| 487 488 | Aspen | 10 | | Fair | 1 | Saved | HP HP |
| 490 490 | Boxelder | 5 | | Good | 1 | Saved | пг |
| 493 | Cherry, black | 7 | | Fair | 1 | Saved | |
| 494 | Oak, red | 5.5 | | Good | 1 | Saved | |
| 495 | Aspen | 11 | | Good | 1 | Saved | НР |
| 496 | Aspen | 14 | | Good | 1 | Saved | НР |
| 497 | Cherry, black | 4 | | Good | 1 | Saved | |
| 498 | Aspen | 13 | | Good | 1 | Saved | НР |
| 499 | Cherry, black | 9 | | Good | 1 | Saved | |
| 500 | Aspen | 9.5 | | Good | 1 | Saved | |
| 501 | Cherry, black | 5.5 | | Good | 1 | Saved | |
| 502 | Aspen | 12 | | Fair | 1 | Saved | НР |
| 504 | Cherry, black | 15.5 | | Good | 1 | Saved | НР |
| 505 | Aspen | 13.5 | | Good | 1 | Saved | НР |
| 506 | Aspen | 12.5 | | Fair | 1 | Saved | НР |
| 507 | Oak, red | 7 | | Good | 1 | Saved | |
| 508 | Aspen | 14.5 | | Fair | 1 | Saved | НР |
| 509 | Aspen | 13 | | Fair | 1 | Saved | НР |
| 510 | Aspen | 16 | | Good | 1 | Saved | НР |
| 512 | Basswood | 32 | | Fair | 4 | Saved | НР |
| 513 | Basswood | 14.5 | | Good | 1 | Saved | НР |
| 525 | Boxelder | 12.5 | | Fair | 1 | Removed | HP |
| 526 | Walnut | 5.5 | | Good | 1 | Removed | |
| 540 | Elm, American | 9 | | Good | 1 | Removed | |
| 550 | Aspen | 6.5 | | Fair | 1 | Saved | |
| 551 | Aspen | 8 | | Good | 1 | Removed | |
| 552 | Aspen | 8.5 | | Good | 1 | Removed | |
| 554 | Aspen | 8.5 | | Good | 1 | Removed | |
| 555 | Aspen | 8 | | Good | 1 | Saved | |
| 557 | Aspen | 9 | | Good | 1 | Saved | |
| 558 | Aspen | 8 | | Good | 1 | Saved | |
| 559 | Elm, American | 7 | | Good | 1 | Saved | |
| 560 | Aspen | 9 | | Fair | 1 | Saved | |
| 567 | Oak, red | 15.5 | | Good | 1 | Saved | HP |
| 568 | Oak, white | 12.5 | | Good | 1 | Saved | HP |
| 569 | Oak, white | 6.5 | | Good | 1 | Saved | |
| 570 | Boxelder Chorry black | 4 | 1 | Fair | 1 | Saved | |
| 571 | Cherry, black | 8.5 | + | Good | 1 | Saved | LID |
| 572 574 | Oak, white Oak, white | 16 8.5 | | Good | 1 | Saved Saved | HP |
| 575 | Boxelder | 5.5 | | Good | 1 | Saved | |
| 576 | Boxelder | 8 | | Fair Fair | 1 | Saved | |
| 578 | Oak, white | 19.5 | | Good | 1 | Saved | НР |
| 589 | | 6.5 | | | 1 | Saved | 1115 |
| 589 592 | Boxelder Boxelder | 5.5 | + | Good | 1 | Removed | |
| 592 595 | Boxelder Boxelder | 9 | 1 | Good Good | 1 | Removed | |
| 595 596 | Boxelder | 7 | | Good | 1 | Removed | |
| 603 | Boxelder | 9 | | Fair | 1 | Saved | |
| 604 | Elm, American | 6 | | Good | 1 | Saved | |
| 607 | Elm, American | 5 | | Good | 1 | Removed | |
| 608 | Elm, American | 6.5 | | Good | 1 | Removed | |
| 609 | Aspen | 8 | 1 | Fair | 1 | Removed | |
| 610 | Elm, American | 4.5 | <u> </u> | Good | 1 | Removed | |
| 612 | Boxelder | 6.5 | | Fair | 1 | Saved | |
| 613 | Boxelder | 7 | | Fair | 1 | Removed | |
| 614 | Boxelder | 6.5 | | Fair | 1 | Removed | |
| 615 | Boxelder | 11 | | Fair | 1 | Removed | НР |
| 618 | Elm, American | 4 | | Good | 1 | Saved | |
| 620 | Elm, American | 14.5 | | Good | 1 | Removed | НР |
| 621 | Elm, American | 4 | | Good | 1 | Removed | |
| 628 | Aspen | 8 | | Good | 1 | Removed | |
| 629 | Aspen | 9 | | Good | 1 | Removed | |
| 631 | Aspen | 9.5 | | Good | 1 | Removed | |
| 632 | Aspen | 8.5 | | Fair | 1 | Removed | |
| 635 | Aspen | 8.5 | | Good | 1 | Removed | |
| | Aspen | 9.5 | | Fair | 1 | Removed | |
| 637 | Boxelder | 4 | | Good | 1 | Removed | |
| 637 639 | Boxelder | 4 | | Good | 1 | Removed | |
| | Doxeldel | 4.5 | | Good | 1 | Removed | |
| 639 | Elm, American | 1 4.5 | 1 | | 1 | Removed | |
| 639 641 | | 4.5 | | Good | 1 | Removed | |
| 639 641 654 | Elm, American | | | Good | 1 | Removed | |
| 639 641 654 655 | Elm, American Elm, American | 4 | | | | | |
| 639 641 654 655 663 | Elm, American Elm, American Elm, American | 5.5 | | Good | 1 | Removed | |
| 639 641 654 655 663 667 | Elm, American Elm, American Elm, American Elm, American | 4 5.5 5 | | Good Good | 1 | Removed Removed | |
| 639 641 654 655 663 667 678 | Elm, American Elm, American Elm, American Elm, American Elm, American | 5.5 5 5 | | Good Good Good | 1 1 1 | Removed Removed Removed | |

| ree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree |
|---------|-----------------|------|--------|------------------|-----------------|--------------------|--------------------------|
| 691 | Hackberry | 4.5 | | Good | 1 | Saved | |
| 692 | Cherry, black | 10.5 | | Good | 1 | Saved | HP |
| 694 | Aspen | 10.5 | | Fair | 1 | Saved | HP |
| 695 | Aspen | 10.5 | | Good | 1 | Saved | НР |
| 697 | Aspen | 8.5 | | Fair | 1 | Saved | |
| 698 | Aspen | 11 | | Good | 1 | Saved | НР |
| 699 | Aspen | 8 | | Fair | 1 | Saved | |
| 700 | Aspen | 14 | | Good | 1 | Saved | HP |
| 701 | Oak, pin | 32 | | Fair | 1 | Saved | HP |
| 705 | Cherry, black | 4.5 | | Good | 1 | Saved | |
| 708 | Birch, paper | 19.5 | | Good | 2 | Saved | НР |
| 711 | Cherry, black | 5 | | Good | 1 | Saved | |
| 712 | Oak, white | 26 | | Good | 1 | Saved | HP |
| 713 | Oak, white | 15.5 | | Good | 1 | Saved | HP |
| 714 | Oak, pin | 22 | | Good | 1 | Saved | НР |
| 715 | Oak, pin | 18.5 | | Good | | Saved | НР |
| 717 | Oak, white | 23 | | Good | 1 | Saved | HP |
| 719 | Oak, pin | 32.5 | | Good | 1 | Saved | HP |
| 721 | Oak, white | 21 | | Good | 1 | Saved | HP |
| 722 | Oak, pin | 24 | | Good | 1 | Saved | HP |
| | | | | | | - | |
| 724 | Aspen | 11 | | Good | 1 | Saved | HP |
| 725 | Aspen | 13 | | Fair | 1 | Saved | HP |
| 727 | Aspen | 9 | | Fair | 1 | Saved | |
| 728 | Aspen | 9.5 | | Fair | 1 | Saved | |
| 729 | Aspen | 7 | | Fair | 1 | Saved | |
| 731 | Aspen | 7 | | Fair | 1 | Saved | |
| 732 | Aspen | 10 | | Good | 1 | Saved | HP |
| 733 | Aspen | 9.5 | | Good | 1 | Saved | |
| 734 | Basswood | 11 | | Good | 1 | Saved | НР |
| 735 | Aspen | 9.5 | | Fair | 1 | Saved | |
| 737 | Basswood | 10.5 | | Good | 1 | Saved | НР |
| 738 | Aspen | 12 | | Good | 1 | Saved | НР |
| 739 | Aspen | 11 | | Good | 1 | Saved | НР |
| 740 | Aspen | 12 | | Good | 1 | Saved | НР |
| 741 | Aspen | 9.5 | | Fair | 1 | Saved | |
| 742 | Boxelder | 12 | | Fair | 1 | Saved | НР |
| 743 | Basswood | 20.5 | | Good | 1 | Saved | НР |
| 744 | Aspen | 13.5 | | Fair | 1 | Saved | HP |
| 748 | Basswood | 6.5 | | Good | 1 | Saved | |
| 750 | Boxelder | 11.5 | | Good | | Saved | HP |
| 769 | Maple, sugar | 7 | | Good | 1 | Saved | |
| 772 | Oak, pin | 8 | | | 1 | Saved | |
| 775 | Maple, Norway | 5 | | Good | | | |
| | | | | Good | 1 | Saved | LID |
| 784 | Aspen | 15.5 | | Fair | 1 | Saved | HP |
| 785 | Basswood | 11 | | Good | 1 | Saved | HP |
| 788 | Oak, pin | 24 | | Good | 1 | Saved | HP |
| 790 | Oak, white | 15 | | Good | 1 | Saved | HP |
| 796 | Oak, white | 21.5 | | Fair | 1 | Saved | HP |
| 797 | Oak, white | 23.5 | | Good | 1 | Saved | HP |
| 798 | Oak, white | 10 | | Fair | 1 | Saved | HP |
| 799 | Oak, red | 11.5 | | Good | 1 | Saved | HP |
| 801 | Basswood | 16 | | Fair | 2 | Saved | HP |
| 803 | Oak, pin | 9 | | Good | 1 | Saved | |
| 806 | Oak, white | 24 | | Good | 1 | Saved | HP |
| 807 | Oak, white | 12.5 | | Fair | 1 | Saved | HP |
| 808 | Basswood | 8 | | Good | 1 | Saved | |
| 809 | Oak, white | 4 | | Good | 1 | Saved | |
| 810 | Oak, white | 4 | | Good | 1 | Saved | |
| 811 | Oak, red | 4 | | Good | 1 | Saved | |
| 812 | Oak, red | 4.5 | | Good | 1 | Saved | |
| 814 | Aspen | 12 | | Good | 1 | Saved | НР |
| 815 | Oak, white | 27 | | Good | 1 | Saved | HP |
| 816 | Oak, white | 23 | | Good | 1 | Saved | НР |
| 816 | Oak, white | 17 | | | 1 1 | Saved | HP HP |
| 817 | Oak, white | 17 | | Good | 1 | _ | HP HP |
| | · | | | Good | | Saved | |
| 819 | Oak, red | 16 | | Good | 1 | Saved | HP ⊔D |
| 820 | Oak, white | 18.5 | | Good | 1 | Saved | HP ⊔D |
| 821 | Oak, white | 15.5 | | Good | 1 | Saved | HP |
| 822 | Oak, white | 17 | | Good | 1 | Saved | HP |
| 824 | Oak, white | 23 | | Good | 1 | Saved | HP |
| 826 | Oak, pin | 20 | | Good | 1 | Saved | HP |
| 828 | Boxelder | 5.5 | | Good | 1 | Saved | |
| 829 | Oak, white | 21.5 | | Good | 1 | Saved | НР |
| 832 | Oak, red | 35 | | Good | 1 | Saved | НР |
| 833 | Cherry, black | 14.5 | | Good | 1 | Saved | НР |
| 834 | Basswood | 9.5 | | Good | 1 | Saved | 1 |
| 835 | Basswood | 7.5 | | Good | 1 | Saved | |
| 837 | Oak, red | 17 | | Good | 1 | Saved | НР |
| 839 | Aspen | 8 | | Fair | 1 | Saved | |
| 840 | Aspen | 10 | | Good | 1 | Saved | НР |
| 841 | Aspen | 9.5 | | Good | 1 | Saved | • • • • |
| 842 | Aspen | 9.5 | | Good | 1 | Saved | |
| 843 | Aspen | 13 | | Good Fair | 1 | Saved | HP |
| 844 | Aspen | 12.5 | | | 1 | Saved | HP |
| | · | | | Good | 1 1 | | |
| 846 | Aspen Oak white | 17.5 | | Fair | | Saved | HP ⊔D |
| 850 | Oak, white | 17.5 | | Good | 1 | Saved | HP |
| 851 | Maple, Norway | 10 | | Good | 1 | Saved | HP |
| 852 | Maple, Norway | 6 | | Good | 1 | Saved | <u> </u> |
| 853 | Maple, Norway | 9.5 | | Good | 1 | Removed | |
| 854 | Maple, Norway | 8 | | Good | 1 | Saved | <u> </u> |
| 055 | Pine, Scots | 27 | 75 | Good | 1 | Removed | НР |
| 855 | | | | Good | 1 | Saved | |
| 856 | Maple, Norway | 5.5 | | Good | | Javeu | |

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Minnetonka, MN 55345

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DEVELOPMENT, L

CADD QUALIFICATION

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SUBMITTAL/REVISIONS

08/25/2023 PRELIMINARY PLAT
07/27/ 2023 TREE NV REVISION

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specification report was prepared by me or under my direct sup of ision and that I am a duly Licensed Landscape Arch so under the laws of the State of Minnesota.

I recently A. Johnson - LA

Licente I 24610

Date

OUALITY CONTROL

Loucks Project No. 21758

Project Lead TWM

Drawn By GAJ

Checked By GAJ

Review Date 08/21/2023

CO-1 COVER SHEET
C1-1 EIXSTING CONDITIONS
C1-2 DEMOLITION PLAN
C2-1 SITE PLAN
C3-1 GRADING PLAN
C3-2 TO C3-3 SWPPP PLAN & NOTES
C4-1 SANITARY & WATERMAIN PLAN
C4-2 STORM SEWER PLAN
C6-1 PRELIMINARY PLAT
C8-1 TO C8-3 CIVIL DETAILS
L1-1 TO L1-3 TREE INVENTORY

L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN

SIGNIFICANT TREES DECIDUOUS - 4" TO 10" CAL. INCHES

CONIFEROUS - 10' HEIGHT MIN

HIGH PRIORITY TREES DECIDUOUS - 10" CAL. INCHES MIN

CONIFEROUS - 15' HEIGHT MIN

ALL LISTED TREES ARE SIGNIFICANT

UNLESS NOTED AS 'HP'

CONTINUED ON L1-6

TREE REMOVALS-NON-WPA

NON-WPA HEALTHY TREE REMOVALS (NO ASH, BLACK LOCUST OR SIBERIAN ELM)

| Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree | Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree |
|--------------------------------------|---|--------------|----------|------------------|-----------------|--------------------|--------------------------|--------------|-----------------------------|----------|--------|------------------|-----------------|--------------------|--------------------------|
| 861 864 | Maple, Norway Cherry, black | 9 6.5 | | Good | 1 | Saved | | 1051 | Boxelder Spruce, white | 5.5 | 30 | Good | 1 | Saved | НР |
| 864 865 | Oak, red | 33.5 | | Good Good | <u>1</u> | Saved Saved | HP | 1052 | Aspen | 8 | 30 | Good Good | 1 | Saved Saved | HP |
| 866 | Arborvitae | 17.5 | 75 | Fair | 2 | Removed | HP | 1056 | Aspen | 4 | | Good | 1 | Saved | |
| 867 | Oak, red | 14 | | Good | 1 | Saved | HP | 1058 | Fir, balsam | 8.5 | 32 | Good | 1 | Removed | НР |
| 868 | Oak, red | 18 | | Good | 1 | Removed | HP | 1060 | Aspen | 4.5 | | Good | 1 | Saved | |
| 882 | Boxelder | 8 | | Fair | 1 | Removed | | 1061 | Fir, balsam | 6.5 | 28 | Good | 1 | Saved | HP |
| 886 | Boxelder | 21.5 | | Fair | 2 | Saved | HP | 1062 | Fir, balsam | 5.5 | 30 | Good | 1 | Saved | HP |
| 888 889 | Boxelder Boxelder | 11.5 21.5 | | Fair Fair | 1 1 | Saved Saved | HP HP | 1063 | Spruce, white Spruce, white | 9 | 32 | Fair Fair | 1 | Saved Saved | HP HP |
| 890 | Boxelder | 13 | | Good | 1 | Saved | НР | 1065 | Spruce, white | 5 | 20 | Fair | 1 | Saved | НР |
| 892 | Cherry, black | 10 | | Good | 1 | Saved | HP | 1066 | Fir, balsam | 4.5 | 23 | Fair | 1 | Saved | НР |
| 894 | Crabapple | 5.5 | | Fair | 1 | Saved | | 1067 | Spruce, white | 10 | 25 | Fair | 1 | Saved | НР |
| 895 | Boxelder | 11.5 | | Fair | 1 | Saved | HP | 1070 | Fir, balsam | 4 | 28 | Fair | 1 | Saved | HP |
| 896 | Elm, red | 12.5 | | Good | 1 | Saved | HP | 1071 | Aspen | 12 | | Good | 1 | Saved | HP |
| 899 | Cherry, black | 10.5 | | Good | 1 | Saved | HP | 1072 | Spruce, white | 5.5 | 30 | Fair | 1 | Saved | НР |
| 901 | Boxelder | 7.5 | | Fair | 1 | Saved | | 1073 | Fir, balsam | 7.5 | 30 | Fair | 1 | Saved | HP |
| 905 | Oak, pin | 35 | | Fair | 1 | Saved | HP | 1074 | Fir, balsam | 6.5 | 30 | Good | 1 | Saved | HP |
| 906 | Elm, American Oak, red | 5.5 | | Good | 1 | Saved Saved | HP | 1076 | Pine, white Fir, balsam | 8 | 30 | Good | 1 | Saved Removed | HP HP |
| 909 | Oak, red | 14 | | Good Good | <u>1</u> | Removed | НР | 1077 | Fir, balsam | 8.5 | 30 | Good Good | 2 | Removed | HP |
| 910 | Oak, red | 8.5 | | Good | 1 | Removed | 111 | 1079 | Aspen | 13 | 30 | Good | 1 | Saved | HP |
| 912 | Elm, American | 4.5 | | Good | 1 | Saved | | 1080 | Spruce, white | 4.5 | 22 | Fair | 1 | Saved | НР |
| 918 | Elm, American | 18 | | Good | 1 | Saved | HP | 1083 | Spruce, white | 14 | 45 | Fair | 1 | Removed | НР |
| 921 | Boxelder | 29 | | Fair | 1 | Saved | HP | 1084 | Oak, white | 26 | | Good | 1 | Saved | HP |
| 939 | Oak, pin | 6.5 | | Fair | 1 | Removed | | 1086 | Oak, white | 19.5 | | Good | 1 | Saved | НР |
| 941 | Oak, red | 12.5 | | Good | 1 | Removed | HP | 1087 | Oak, white | 20.5 | | Good | 1 | Saved | HP |
| 942 | Oak, red | 9 | | Good | 1 | Removed | | 1088 | Oak, white | 18 | | Good | 1 | Saved | HP |
| 943 | Oak, red | 4.5 | | Good | 1 | Removed | 115 | 1090 | Oak, white | 19.5 | | Fair | 1 | Saved | HP |
| 944 | Oak, red | 5.5 | | Good | 1 | Removed | HP | 1091 | Elm, American | 8.5 | | Good | 1 | Saved | |
| 946 951 | Elm, American Aspen | 5.5 | | Good Fair | 1 | Removed Removed | | 1092 1093 | Oak, red Oak, white | 23.5 | | Good | 1 | Saved Saved | HP |
| 953 | Oak, red | 16.5 | | Good | 1 | Removed | HP | 1093 | Oak, white | 25.5 | | Good Good | 1 | Saved | НР |
| 954 | Aspen | 15.3 | | Good | 1 | Removed | HP | 1095 | Oak, white | 23 | | Fair | 1 | Saved | НР |
| 957 | Ironwood | 14.5 | | Good | 2 | Saved | НР | 1098 | Oak, white | 21 | | Good | 1 | Saved | НР |
| 958 | Boxelder | 11 | | Good | 1 | Saved | HP | 1105 | Basswood | 10.5 | | Good | 1 | Removed | НР |
| 959 | Aspen | 14 | | Good | 1 | Saved | HP | 1106 | Basswood | 11.5 | | Good | 1 | Removed | HP |
| 961 | Aspen | 11.5 | | Good | 1 | Saved | HP | 1111 | Basswood | 42 | | Fair | 3 | Removed | HP |
| 962 | Aspen | 15 | | Good | 1 | Removed | HP | 1112 | Cherry, black | 19 | | Good | 1 | Removed | HP |
| 963 | Aspen | 13 | | Good | 1 | Saved | HP | 1116 | Basswood | 8.5 | | Good | 1 | Removed | |
| 967 968 | Aspen Aspen | 5.5 | | Good | <u>1</u> | Saved Saved | HP | 1118 | Basswood | 13 | | Good | 1 | Removed Removed | HP |
| 969 | Aspen | 12 | | Good Good | 1 | Saved | HP | 1126 | Basswood Basswood | 5 | | Good Fair | 1 | Removed | ПР |
| 972 | Maple, Norway | 9.5 | | Good | 1 | Saved | | 1131 | Oak, white | 29 | | Good | 1 | Removed | HP |
| 973 | Boxelder | 9 | | Fair | 1 | Saved | | 1132 | Oak, white | 23 | | Fair | 1 | Removed | HP |
| 976 | Cherry, black | 7 | | Good | 1 | Removed | | 1133 | Basswood | 15.5 | | Good | 2 | Removed | НР |
| 977 | Birch, paper | 11.5 | | Good | 1 | Removed | HP | 1138 | Basswood | 12.5 | | Good | 1 | Removed | НР |
| 982 | Spruce, white | 19 | 85 | Fair | 1 | Removed | HP | 1145 | Elm, American | 8.5 | | Good | 1 | Saved | |
| 985 | Maple, Norway | 9.5 | | Good | 1 | Removed | | 1147 | Elm, American | 6.5 | | Fair | 1 | Removed | |
| 986 | Maple, Norway | 6 | | Good | 1 | Removed | | 1150 | Crabapple | 7 | | Good | 1 | Removed | |
| 987 988 | Maple, Norway Maple, Norway | 12 | | Good | 1 | Saved | HP | 1152 | Oak, red | 18.5 | | Good | 1 | Saved | HP |
| 989 | Maple, Norway | 4 | | Good Fair | 1 | Saved Removed | | 1155 1157 | Basswood Basswood | 6.5 | | Good Good | 1 | Saved Saved | |
| 990 | Maple, Norway | 8.5 | | Good | 1 | Removed | | 1158 | Basswood | 13 | | Good | 1 | Saved | НР |
| 992 | Hackberry | 28 | | Good | 1 | Removed | HP | 1159 | Basswood | 14 | | Fair | 2 | Saved | HP |
| 993 | Oak, white | 32 | | Good | 1 | Removed | HP | 1160 | Basswood | 6 | | Fair | 1 | Saved | |
| 994 | Cherry, black | 4 | | Good | 1 | Removed | | 1161 | Basswood | 6.5 | | Good | 1 | Saved | |
| 996 | Basswood | 6 | | Good | 1 | Saved | | 1162 | Oak, red | 18 | | Good | 1 | Saved | HP |
| 998 | Basswood | 4.5 | | Fair | 1 | Saved | | 1163 | Ironwood | 4.5 | | Good | 1 | Saved | |
| 1000 | Basswood | 10 | | Good | 1 | Saved | HP | 1164 | Basswood | 10 | | Good | 1 | Saved | HP |
| 1001 | Basswood | 10 | - | Good | 1 | Saved | HP | 1165 | Basswood | 5.5 | | Good | 1 | Saved | |
| 1002 1004 | Basswood Aspen | 12.5 | | Good Good | <u>1</u> | Saved Saved | HP | 1166 | Basswood Basswood | 13 | | Good Good | 1 | Saved Saved | HP |
| 1006 | Boxelder | 10 | | Fair | 1 | Saved | HP | 1169 | Ironwood | 5.5 | | Good | 1 | Saved | 1 |
| 1008 | Basswood | 13 | | Fair | 1 | Saved | HP | 1171 | Basswood | 15.5 | | Fair | 2 | Removed | НР |
| 1010 | Boxelder | 10 | | Good | 1 | Saved | HP | 1172 | Oak, red | 20 | | Fair | 1 | Saved | НР |
| 1011 | Elm, American | 6.5 | | Good | 1 | Saved | | 1173 | Basswood | 28 | | Fair | 1 | Saved | НР |
| 1012 | Aspen | 7.5 | | Fair | 1 | Saved | | 1174 | Ironwood | 6.5 | | Good | 1 | Saved | |
| 1014 | Aspen | 10.5 | | Fair | 1 | Saved | HP | 1175 | Oak, red | 37 | | Good | 1 | Saved | HP |
| 1015 | Aspen | 10 | | Fair | 1 | Saved | HP | 1176 | Oak, red | 28 | 60 | Good | 1 | Removed | HP нр |
| 1016 1018 | Boxelder Aspen | 9.5 | | Fair | <u>1</u> | Saved Saved | HP | 1177 | Pine, Scots Pine, Scots | 26 28 | 60 | Fair | 1 | Saved Saved | HP HP |
| 1018 | Oak, red | 18 | | Good Good | 1 | Saved | HP | 1178 | Pine, Scots | 15.5 | 55 | Good Good | 1 | Removed | НР |
| 1020 | Aspen | 7.5 | | Fair | 1 | Removed | | 1180 | Ironwood | 6 | | Good | 1 | Removed | |
| 1023 | Aspen | 8 | | Fair | 1 | Removed | | 1186 | Mulberry | 11 | | Good | 1 | Removed | НР |
| 1024 | Basswood | 7.5 | | Good | 1 | Saved | | 1187 | Spruce, blue | 29 | 65 | Fair | 1 | Removed | НР |
| 1025 | Basswood | 10 | | Good | 1 | Saved | HP | 1188 | Spruce, blue | 22 | 70 | Fair | 1 | Saved | НР |
| 1027 | Oak, red | 18 | | Good | 1 | Saved | HP | 1189 | Spruce, blue | 15.5 | 70 | Fair | 1 | Saved | НР |
| 1028 | Oak, red | 6.5 | | Good | 1 | Saved | | 1190 | Aspen | 4 | | Good | 1 | Saved | |
| 1030 | Oak, red | 17 | | Good | 1 | Saved | HP | 1191 | Aspen | 4.5 | | Good | 1 | Removed | |
| 1031 | Basswood Oak red | 16.5 | | Good | 2 | Saved | HP | 1192 | Aspen | 4.5 | | Good | 1 | Saved | - |
| 1032 1033 | Oak, red Oak, pin | 4.5 21.5 | | Good | <u>1</u> | Saved Saved | HP | 1193 | Aspen Aspen | 4 | | Good | 1 | Saved Removed | |
| 1033 | Elm, American | 16 | | Fair Good | 1 | Saved | HP | 1194 | Aspen | 5 | | Fair Good | 1 | Removed | |
| 1034 | Oak, red | 31 | | Good | 1 | Saved | HP | 1197 | Aspen | 13 | | Good | 1 | Removed | НР |
| | Oak, red | 19.5 | | Good | 1 | Saved | HP | 1198 | Aspen | 15 | | Good | 1 | Removed | НР |
| 1036 | Aspen | 12.5 | - 4 | Good | 1 | Saved | HP | 1199 | Aspen | 10 | | Good | 1 | Removed | НР |
| 1036 1038 | 1 | 6 | 30 | Fair | 1 | Saved | HP | 1200 | Spruce, white | 8 | 35 | Fair | 1 | Removed | НР |
| | Fir, balsam | | 38 | Good | 1 | Saved | HP | 1201 | Aspen | 14 | | Good | 1 | Removed | НР |
| 1038 | Fir, balsam Spruce, white | 11 | 36 | Good 1 | | | | | | - | | | | | |
| 1038 1042 1043 1046 | Spruce, white Spruce, white | 12 | 40 | Good | 1 | Saved | HP | 1203 | Aspen | 8 | | Fair | 1 | Removed | |
| 1038 1042 1043 1046 1047 | Spruce, white Spruce, white Fir, balsam | 12 6 | 40 35 | Good Good | 1 | Saved | НР | 1204 | Aspen | 6.5 | | Fair | 1 | Removed | |
| 1038 1042 1043 1046 | Spruce, white Spruce, white | 12 | 40 | Good | 1 | | | | · · | + | | | | + | HP HP |

| Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priorit Tree |
|--------------|-----------------------------|-------------|--------|------------------|-----------------|--------------------|-------------------------|
| 1234 | Mulberry | 4.5 | | Good | 1 | Removed | |
| 1235 | Mulberry | 4.5 | | Good | 1 | Removed | |
| 1236 1237 | Boxelder Elm, American | 4.5 | | Good Fair | 4 | Removed Removed | НР |
| 1239 | Boxelder | 25 | | Fair | 1 | Removed | HP |
| 1241 | Butternut | 8 | | Good | 1 | Saved | |
| 1245 | Boxelder | 14 | | Fair | 1 | Removed | НР |
| 1248 | Crabapple | 20.5 | | Fair | 2 | Removed | НР |
| 1250 | Boxelder | 12.5 | | Fair | 1 | Removed | НР |
| 1251 | Boxelder | 15 | | Good | 1 | Removed | HP |
| 1252 | Oak, white | 25.5 | | Fair | 1 | Removed | HP |
| 1253 | Oak, white | 29 | | Good | 1 | Removed | HP |
| 1254 | Boxelder | 14.5 | | Good | 1 | Removed | HP |
| 1255 1256 | Oak, white Oak, white | 19 28 | | Good Good | 1 | Removed Removed | HP HP |
| 1257 | Oak, red | 19.5 | | Good | 1 | Removed | HP |
| 1258 | Oak, red | 24 | | Good | 1 | Removed | HP |
| 1259 | Oak, red | 22 | | Good | 1 | Removed | НР |
| 1260 | Oak, white | 18.5 | | Good | 1 | Removed | НР |
| 1261 | Basswood | 8 | | Good | 1 | Saved | |
| 1262 | Oak, red | 29 | | Good | 1 | Saved | НР |
| 1263 | Oak, red | 8 | | Good | 1 | Saved | |
| 1266 | Fir, Douglas | 25.5 | 65 | Good | 1 | Removed | HP |
| 1267 | Basswood | 16.5 | | Good | 2 | Saved | HP |
| 1268 | Basswood | 23.5 | | Fair | 1 | Saved | HP |
| 1270 | Arborvitae | 18 | 30 | Fair | 1 | Saved | HP |
| 1271 | Arborvitae | 8 | 28 | Fair | 1 | Saved | НР |
| 1272 | Arborvitae | 9.5 | 27 | Fair | 1 | Saved | НР |
| 1273 1274 | Arborvitae Oak, red | 7.5 | 28 | Good | 1 | Saved Saved | HP |
| 1274 | Oak, red | 13.5 | | Good Good | 1 | Saved | НР |
| 1275 | Oak, red | 4.5 | | Fair | 1 | Saved | пР |
| 1278 | Spruce, white | 7 | 28 | Fair | 1 | Saved | НР |
| 1279 | Spruce, white | 5 | 24 | Fair | 1 | Saved | HP |
| 1280 | Fir, balsam | 9 | 30 | Fair | 1 | Saved | НР |
| 1283 | Oak, red | 12.5 | | Good | 1 | Saved | НР |
| 1284 | Basswood | 11 | | Good | 1 | Saved | НР |
| 1285 | Basswood | 5 | | Good | 1 | Saved | |
| 1286 | Oak, red | 13.5 | | Good | 1 | Saved | НР |
| 1287 | Oak, red | 6 | | Good | 1 | Saved | |
| 1288 | Basswood | 25.5 | | Good | 2 | Saved | HP |
| 1289 | Basswood | 11 | | Good | 1 | Saved | HP |
| 1290 | Oak, red | 8.5 | | Good | 1 | Saved | |
| 1292 | Basswood | 22.5 | | Fair | 2 | Saved | HP |
| 1293 1294 | Basswood Fir, balsam | 6.5 | 30 | Fair | 1 | Saved | HP HP |
| 1294 | Fir, balsam | 4 | 25 | Good | 1 | Saved Saved | HP |
| 1295 | Oak, red | 16.5 | 25 | Good Good | 2 | Saved | HP |
| 1298 | Fir, balsam | 7.5 | 34 | Good | 1 | Saved | HP |
| 1299 | Fir, balsam | 4 | 25 | Good | 1 | Saved | HP |
| 1300 | Fir, balsam | 7.5 | 24 | Good | 1 | Saved | НР |
| 1301 | Fir, balsam | 4.5 | 26 | Good | 1 | Saved | НР |
| 1303 | Fir, balsam | 5.5 | 30 | Good | 1 | Saved | НР |
| 1304 | Fir, balsam | 6.5 | 32 | Good | 1 | Saved | НР |
| 1305 | Fir, balsam | 5.5 | 28 | Fair | 1 | Saved | HP |
| 1306 | Oak, red | 11.5 | | Fair | 1 | Saved | НР |
| 1307 | Fir, balsam | 6.5 | 30 | Good | 1 | Saved | HP |
| 1308 | Fir, balsam | 6 | 32 | Good | 1 | Saved | HP |
| 1310 | Fir, balsam | 5 | 28 | Fair | 1 | Removed | HP |
| 1311 | Spruce, white | 15 | 40 | Fair | 1 | Saved | HP |
| 1312 | Spruce, white | 7 | 28 | Fair | 1 | Saved | HP |
| 1313 1314 | Oak, red Fir, balsam | 12.5 8.5 | 35 | Good | 1 | Saved Saved | HP HP |
| 1314 | Fir, balsam | 5.5 | 35 | Good Good | 1 | Saved | HP |
| 1316 | Spruce, white | 8.5 | 35 | Fair | 1 | Removed | HP |
| 1317 | Oak, pin | 15.5 | | Good | 1 | Saved | HP |
| 1321 | Elm, American | 14.5 | | Good | 1 | Removed | HP |
| 1322 | Boxelder | 20.0 | | Fair | 1 | Removed | НР |
| 1323 | Walnut | 4.5 | | Good | 1 | Removed | |
| 1324 | Boxelder | 5.0 | | Good | 1 | Removed | |
| 1326 | Boxelder | 15.0 | | Good | 1 | Removed | НР |
| 1333 | Cherry, black | 5.0 | | Good | 1 | Saved | |
| 1337 | Aspen | 9.0 | | Fair | 1 | Saved | |
| 1339 | Aspen | 11.0 | | Fair | 1 | Saved | HP |
| 1342 | Pine, white | 11.0 | 50 | Good | 1 | Saved | HP |
| 1343 | Oak, red | 18.0 | | Good | 1 | Saved | HP |
| 1344 | Fir, balsam | 19.0 | 50 | Fair | 1 | Saved | HP |
| 1345 | Spruce, blue | 11.0 | 45 | Fair | 1 | Saved | HP |
| 1346 | Boxelder | 4.5 | | Fair | 1 | Saved | |
| 1347 1349 | Boxelder | 7.0 15.5 | | Good | 2 | Saved | НР |
| 1349 | Boxelder Maple, sugar | 15.5 | | Fair | 1 | Saved Saved | HP HP |
| 1350 | Walnut | 5.0 | | Good Good | 1 | Saved | п٢ |
| 1354 | Pine, white | 9.0 | 50 | Good | 1 | Saved | НР |
| 1355 | Cherry, black | 9.0 | | Good | 1 | Saved | - 11 |
| 1356 | Aspen | 4.5 | | Good | 1 | Saved | |
| 1357 | Aspen | 4.5 | | Good | 1 | Saved | |
| 1358 | Aspen | 11.0 | | Good | 1 | Saved | НР |
| 1359 | Aspen | 13.0 | | Good | 1 | Saved | НР |
| 1360 | Cherry | 4.0 | | Good | 1 | Saved | |
| | Aspen | 7.5 | | Fair | 1 | Saved | |
| 1362 | | | | Caral | 1 | Saved | |
| 1362 1363 | Cherry, black Cherry, black | 7.0 | | Good | 1 | Saveu | |

| Tree No. | Species | DBH | Height | Condtion | Stems | Removed | Priority Tree |
|----------|-----------------|------|--------|--------------|-------|---------|------------------|
| 1367 | Cherry, black | 7.5 | | Good | 1 | Saved | |
| 1369 | Spruce, white | 3.0 | 14 | Fair | 1 | Saved | HP |
| 1370 | Spruce, white | 4.0 | 18 | Fair | 1 | Saved | НР |
| 1371 | Aspen | 8.0 | | Good | 1 | Saved | |
| 1373 | Aspen | 12.0 | | Good | 1 | Saved | НР |
| 1374 | Cherry, black | 9.0 | | Good | 1 | Saved | |
| 1376 | Cherry, black | 8.0 | | Good | 1 | Saved | |
| 1377 | Aspen | 8.5 | | Good | 1 | Saved | |
| 1379 | Boxelder | 5.5 | | Good | 1 | Saved | |
| 1380 | Oak, red | 10.0 | | Good | 1 | Saved | НР |
| 1382 | Aspen | 7.0 | | Good | 1 | Saved | |
| 1383 | Walnut | 4.5 | | Good | 1 | Saved | |
| 1384 | Boxelder | 4.0 | | Good | 1 | Saved | |
| 1385 | Fir, balsam | 11.5 | 45 | Good | 1 | Saved | НР |
| 1386 | Oak, bur | 9.0 | | Good | 1 | Removed | |
| 1387 | Mulberry | 18.0 | | Fair | 2 | Saved | НР |
| 1388 | Mulberry | 20.0 | | Fair | 3 | Saved | НР |
| 1389 | Spruce, blue | 11.5 | 50 | Fair | 1 | Saved | HP |
| 1391 | Oak, bur | 9.0 | 30 | Good | 1 | Removed | 111 |
| 1392 | Oak, bur | 10.0 | | | 1 | Removed | HP |
| 1393 | Oak, bur | 7.5 | | Good | 1 | Saved | ПР |
| | + | | | Good | | | |
| 1395 | Boxelder | 5.0 | | Good | 1 | Saved | LID |
| 1396 | Oak, pin | 12.0 | | Good | 1 | Saved | HP |
| 1398 | Aspen | 4.0 | | Fair | 1 | Saved | |
| 1399 | Aspen | 4.0 | | Good | 1 | Saved | |
| 1400 | Maple, silver | 42.0 | | Fair | 1 | Saved | HP |
| 1401 | Maple, silver | 28.0 | | Good | 1 | Saved | HP |
| 1405 | Pine, white | 5.5 | 30 | Good | 1 | Removed | HP |
| 1406 | Pine, white | 4.5 | 28 | Fair | 1 | Removed | HP |
| 1407 | Pine, white | 4.0 | 28 | Good | 1 | Removed | HP |
| 1408 | Pine, white | 4.5 | 28 | Good | 1 | Removed | HP |
| 1409 | Pine, white | 2.5 | 25 | Good | 1 | Removed | HP |
| 1419 | Pine, white | 4.5 | 20 | Fair | 1 | Removed | HP |
| 1420 | Pine, white | 6.0 | 22 | Good | 1 | Removed | HP |
| 1423 | Boxelder | 6.0 | | Good | 1 | Removed | |
| 1428 | Boxelder | 13.5 | | Fair | 1 | Removed | HP |
| 1429 | Boxelder | 11.5 | | Fair | 1 | Removed | HP |
| 1431 | Walnut | 20.0 | | Good | 1 | Removed | HP |
| 1433 | Fir, balsam | 8.5 | 40 | Fair | 1 | Removed | HP |
| 1435 | Walnut | 11.5 | | Fair | 1 | Removed | HP |
| 1442 | Boxelder | 12.5 | | Fair | 1 | Removed | HP |
| 1443 | Boxelder | 7.5 | | Good | 1 | Removed | |
| 1447 | Maple, silver | 4.5 | | Good | 1 | Removed | |
| 1448 | Elm, American | 6.5 | | Good | 1 | Removed | |
| 1449 | Elm, American | 9.0 | | Good | 1 | Removed | |
| 1451 | Boxelder | 17.5 | | Good | 1 | Removed | НР |
| 1457 | Spruce, Norway | 29.0 | 50 | Good | 1 | Removed | НР |
| 1459 | Fir, balsam | 13.0 | 60 | Fair | 1 | Removed | НР |
| 1460 | Pine, white | 21.0 | 60 | Good | 1 | Removed | HP |
| 1466 | Elm, American | 6.5 | | Good | 1 | Saved | |
| 1471 | Elm, American | 5.0 | | Fair | 1 | Removed | |
| 1473 | Maple, silver | 11.0 | | Good | 1 | Removed | НР |
| 1475 | Maple, silver | 10.0 | | | 1 | Removed | НР |
| 14/U | iviapic, silvei | 5.5 | | Good Good | 1 | Removed | LIF |

NOTE:

UNLESS NOTED AS 'HP'

ALL LISTED TREES ARE SIGNIFICANT

SIGNIFICANT TREES DECIDUOUS - 4" TO 10" CAL. INCHES CONIFEROUS - 10' HEIGHT MIN HIGH PRIORITY TREES DECIDUOUS - 10" CAL. INCHES MIN CONIFEROUS - 15' HEIGHT MIN

FRETHAM 31ST **ADDITION**

LAKE WE DEVELOPMENT, L

PLANNING CIVIL ENGINEERING LAND SURVEYING LANDSCAPE ARCHITECTURE

> 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 763.424.5505 www.loucksinc.com

ENVIRONMENTAL

CADD QUALIFICATION Consultant from any & all responsibilities, claims, and liabilities. SUBMITTAL/REVISIONS

PRELIMINARY PLAT 07/27/ 2023 TREE NV REVISION

I hereby certify that this plan, specification or eport was prepared by me or under my direct sus ension and that I am a duly Licensed Landscape Archivect under the laws of the State of Minnesota.

Irectory A. Johnson - LA

License I 6 24610

Date: Loucks Project No. TWM Project Lead GAJ Drawn By GAJ Checked By

Review Date

SHEET INDEX COVER SHEET C1-1 EIXSTING CONDITIONS C1-2 DEMOLITION PLAN C2-1 SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT CIVIL DETAILS L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN

L1-5 TO L1-7 TREE REMOVALS PLAN

08/21/2023

REMOVALS-NON-WPA

WPA HEALTHY TREE REMOVALS (NO ASH, BLACK LOCUST OR SIBERIAN ELM)

| Tree No. | Species | DBH | Height Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree | Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree | Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree |
|-------------------|-----------------------------|--------------|-------------------------|-----------------|--------------------|--------------------------|-------------|-----------------------------|--------------|--------|------------------|-----------------|--------------------|--------------------------|--------------|---------------------------|--------------|----------|------------------|-----------------|--------------------|--------------------------|
| 300 | Maple, silver Oak, pin | 21.5 17.5 | Fair Good | 1 | Removed Saved | HP HP | 729 731 | Aspen Aspen | 7 | | Fair Fair | 1 | Saved Saved | | 1028 | Oak, red Oak, red | 6.5 | | Good Good | 1 | Saved Saved | HP |
| 303 | Oak, red | 7 | Good | 1 | Saved | | 732 | Aspen | 10 | | Good | 1 | Saved | НР | 1031 | Basswood | 16.5 | | Good | 2 | Saved | НР |
| 305 311 | Oak, pin Oak, red | 13.5 6.5 | Good | 1 | Saved | HP | 733 734 | Aspen | 9.5 | | Good | 1 | Saved | НР | 1032 | Oak, red Oak, pin | 4.5 21.5 | | Good | 1 | Saved Saved | HP |
| 312 | Oak, red | 10.5 | Good Good | 1 | Saved Saved | НР | 735 | Aspen Aspen | 9.5 | | Good Fair | 1 | Saved Saved | ПР | 1033 | Elm, American | 16 | | Fair Good | 1 | Saved | HP |
| 313 | Aspen | 11 | Good | 1 | Saved | НР | 737 | Basswood | 10.5 | | Good | 1 | Saved | HP | 1035 | Oak, red | 31 | | Good | 1 | Saved | НР |
| 314 316 | Basswood Oak, pin | 16.5 15 | Good | 1 | Saved | HP HP | 738 739 | Aspen Aspen | 12 11 | | Good | 1 | Saved Saved | HP HP | 1036 | Oak, red Aspen | 19.5 12.5 | | Good | 1 | Saved Saved | HP HP |
| 317 | Cherry, black | 5.5 | Good Good | 1 | Removed Saved | ПР | 739 | Aspen | 12 | | Good Good | 1 | Saved | НР | 1038 | Fir, balsam | 6 | 30 | Good Fair | 1 | Saved | НР |
| 321 | Cherry, black | 6.5 | Good | 1 | Saved | | 741 | Aspen | 9.5 | | Fair | 1 | Saved | | 1043 | Spruce, white | 11 | 38 | Good | 1 | Saved | НР |
| 322 | Aspen | 9 | Fair | 1 | Saved | | 742 | Boxelder | 12 | | Fair | 1 | Saved | HP | 1046 | Spruce, white | 12 | 40 | Good | 1 | Saved | HP |
| 323 331 | Cherry, black Aspen | 9.5 | Fair | 1 | Saved Removed | НР | 743 744 | Basswood Aspen | 20.5 | | Good Fair | 1 | Saved Saved | HP HP | 1047 | Fir, balsam Spruce, white | 6 | 35 25 | Good Good | 1 | Saved Saved | HP HP |
| 334 | Cherry, black | 8 | Good Good | 1 | Removed | | 748 | Basswood | 6.5 | | Good | 1 | Saved | - ''' | 1049 | Spruce, white | 7 | 30 | Good | 1 | Saved | HP |
| 339 | Cherry, black | 9.5 | Good | 1 | Saved | | 750 | Boxelder | 11.5 | | Good | 1 | Saved | НР | 1050 | Fir, balsam | 6.5 | 30 | Good | 1 | Saved | НР |
| 342 | Cherry, black | 5 | Good | 1 | Removed | | 769 | Maple, sugar | 7 | | Good | 1 | Saved | | 1051 | Boxelder | 5.5 | | Good | 1 | Saved | |
| 343 344 | Aspen Aspen | 9 15.5 | Good | 1 | Removed Removed | HP | 772 | Oak, pin Maple, Norway | 8 | | Good Good | 1 | Saved Saved | | 1052 | Spruce, white Aspen | 8 | 30 | Good | 1 | Saved Saved | HP |
| 344 | Aspen | 13.5 | Good Good | 1 | Removed | НР | 784 | Aspen | 15.5 | | Fair | 1 | Saved | HP | 1056 | Aspen | 4 | | Good Good | 1 | Saved | + |
| 444 | Aspen | 16.5 | Good | 1 | Removed | НР | 785 | Basswood | 11 | | Good | 1 | Saved | НР | 1058 | Fir, balsam | 8.5 | 32 | Good | 1 | Removed | НР |
| 445 | Aspen | 18 | Fair | 1 | Removed | НР | 788 | Oak, pin | 24 | | Good | 1 | Saved | HP | 1060 | Aspen | 4.5 | | Good | 1 | Saved | <u> </u> |
| 446 448 | Cherry, black Elm, American | 7 | Fair | 1 | Saved Saved | | 790 796 | Oak, white Oak, white | 21.5 | | Good Fair | 1 | Saved | HP HP | 1061 | Fir, balsam Fir, balsam | 6.5 5.5 | 30 | Good Good | 1 | Saved Saved | HP HP |
| 452 | Oak, red | 9 | Good Good | 1 | Removed | | 797 | Oak, white | 23.5 | | Good | 1 | Saved | HP | 1063 | Spruce, white | 7 | 32 | Fair | 1 | Saved | HP |
| 454 | Aspen | 13 | Good | 1 | Saved | НР | 798 | Oak, white | 10 | | Fair | 1 | Saved | НР | 1064 | Spruce, white | 9 | 35 | Fair | 1 | Saved | НР |
| 455 | Aspen | 13.5 | Good | 1 | Saved | НР | 799 | Oak, red | 11.5 | | Good | 1 | Saved | НР | 1065 | Spruce, white | 5 | 20 | Fair | 1 | Saved | HP |
| 456 457 | Aspen Cherry, black | 8 | Good Good | 1 | Saved | HP | 801 | Basswood Oak, pin | 16 9 | | Fair Good | 2 | Saved Saved | HP | 1066 1067 | Fir, balsam Spruce, white | 4.5 | 23 25 | Fair Fair | 1 | Saved Saved | HP HP |
| 458 | Aspen | 13 | Good | 1 | Saved | HP | 806 | Oak, white | 24 | | Good | 1 | Saved | НР | 1070 | Fir, balsam | 4 | 28 | Fair | 1 | Saved | НР |
| 459 | Aspen | 13.5 | Good | 1 | Saved | НР | 807 | Oak, white | 12.5 | | Fair | 1 | Saved | HP | 1071 | Aspen | 12 | | Good | 1 | Saved | НР |
| 460 | Cherry, black | 5 | Fair | 1 | Saved | | 808 | Basswood | 8 | | Good | 1 | Saved | | 1072 | Spruce, white | 5.5 | 30 | Fair | 1 | Saved | HP |
| 462 464 | Boxelder Boxelder | 9 | Fair Fair | 1 | Saved Saved | HP | 809 810 | Oak, white Oak, white | 4 | | Good Good | 1 | Saved Saved | | 1073 1074 | Fir, balsam Fir, balsam | 7.5 6.5 | 30 | Fair Good | 1 | Saved Saved | HP HP |
| 466 | Arborvitae | | 62 Fair | 4 | Saved | НР | 811 | Oak, red | 4 | | Good | 1 | Saved | | 1076 | Pine, white | 9 | 30 | Good | 1 | Saved | HP |
| 467 | Maple, silver | 16 | Good | 1 | Saved | НР | 812 | Oak, red | 4.5 | | Good | 1 | Saved | | 1077 | Fir, balsam | 8 | 32 | Good | 1 | Removed | НР |
| 469 | Basswood | 19 | Fair | 1 | Saved | HP | 814 | Aspen | 12 | | Good | 1 | Saved | HP | 1078 | Fir, balsam | 8.5 | 30 | Good | 2 | Removed | HP |
| 473 474 | Aspen Oak, red | 7.5 | Fair Good | 1 | Saved Saved | | 815 816 | Oak, white Oak, white | 27 | | Good Good | 1 | Saved Saved | HP HP | 1079 | Aspen Spruce, white | 4.5 | 22 | Good Fair | 1 | Saved Saved | HP HP |
| 475 | Aspen | 8 | Good | 1 | Saved | | 817 | Oak, white | 17 | | Good | 1 | Saved | НР | 1083 | Spruce, white | 14 | 45 | Fair | 1 | Removed | НР |
| 478 | Oak, red | 14 | Good | 1 | Saved | НР | 818 | Oak, white | 17 | | Good | 1 | Saved | HP | 1084 | Oak, white | 26 | | Good | 1 | Saved | НР |
| 479 | Oak, red | 4 | Good | 1 | Saved | | 819 | Oak, red | 16 | | Good | 1 | Saved | HP | 1086 | Oak, white | 19.5 | | Good | 1 | Saved | HP |
| 484 485 | Cherry, black Oak, bur | 5.5 | Good Good | 1 | Saved Saved | HP | 820 | Oak, white Oak, white | 18.5 15.5 | | Good Good | 1 | Saved Saved | HP HP | 1087 | Oak, white | 20.5 | | Good Good | 1 | Saved Saved | HP HP |
| 486 | Oak, bur | 11 | Good | 1 | Saved | НР | 822 | Oak, white | 17 | | Good | 1 | Saved | HP | 1090 | Oak, white | 19.5 | | Fair | 1 | Saved | НР |
| 487 | Cherry, black | 10 | Fair | 1 | Saved | НР | 824 | Oak, white | 23 | | Good | 1 | Saved | НР | 1091 | Elm, American | 8.5 | | Good | 1 | Saved | |
| 488 | Aspen | 14 | Good | 1 | Saved | HP | 826 | Oak, pin | 20 | | Good | 1 | Saved | HP | 1092 | Oak, red | 23.5 | | Good | 1 | Saved | |
| 490 493 | Boxelder Cherry, black | 5 7 | Good Fair | 1 | Saved Saved | | 828 829 | Boxelder Oak, white | 5.5 21.5 | | Good Good | 1 | Saved Saved | HP | 1093 | Oak, white Oak, white | 25.5 | | Good Good | 1 | Saved Saved | HP HP |
| 494 | Oak, red | 5.5 | Good | 1 | Saved | | 832 | Oak, red | 35 | | Good | 1 | Saved | НР | 1095 | Oak, white | 23 | | Fair | 1 | Saved | НР |
| 495 | Aspen | 11 | Good | 1 | Saved | НР | 833 | Cherry, black | 14.5 | | Good | 1 | Saved | НР | 1098 | Oak, white | 21 | | Good | 1 | Saved | НР |
| 496 | Aspen Cherry, black | 14 | Good | 1 | Saved | HP | 834 835 | Basswood | 9.5 7.5 | | Good | 1 | Saved Saved | | 1105 1106 | Basswood | 10.5 11.5 | | Good | 1 | Removed Removed | HP HP |
| 497 498 | Aspen | 13 | Good Good | 1 | Saved Saved | НР | 837 | Basswood Oak, red | 17 | | Good Good | 1 | Saved | НР | 1111 | Basswood Basswood | 42 | | Good Fair | 3 | Removed | НР |
| 499 | Cherry, black | 9 | Good | 1 | Saved | | 839 | Aspen | 8 | | Fair | 1 | Saved | | 1112 | Cherry, black | 19 | | Good | 1 | Removed | НР |
| 500 | Aspen | 9.5 | Good | 1 | Saved | | 840 | Aspen | 10 | | Good | 1 | Saved | HP | 1116 | Basswood | 8.5 | | Good | 1 | Removed | |
| 501 502 | Cherry, black Aspen | 5.5 | Good | 1 | Saved | НР | 841 842 | Aspen Aspen | 9.5 | | Good Good | 1 | Saved Saved | | 1118 | Basswood | 13 | | Good | 1 | Removed Removed | НР |
| 502 | Cherry, black | 15.5 | Fair Good | 1 | Saved Saved | HP | 843 | Aspen | 13 | | Fair | 1 | Saved | НР | 1125 | Basswood Basswood | 5 | | Good Fair | 1 | Removed | nr |
| 505 | Aspen | 13.5 | Good | 1 | Saved | НР | 844 | Aspen | 12.5 | | Good | 1 | Saved | НР | 1131 | Oak, white | 29 | | Good | 1 | Removed | НР |
| 506 | Aspen | 12.5 | Fair | 1 | Saved | HP | 846 | Aspen | 10 | | Fair | 1 | Saved | НР | 1132 | Oak, white | 23 | | Fair | 1 | Removed | НР |
| 507 508 | Oak, red Aspen | 7 14.5 | Good | 1 | Saved Saved | НР | 850 854 | Oak, white Maple, Norway | 17.5 8 | | Good Good | 1 | Saved Saved | HP | 1133 | Basswood Basswood | 15.5 12.5 | | Good Good | 1 | Removed Removed | HP HP |
| 509 | Aspen | 13 | Fair Fair | 1 | Saved | HP | 856 | Maple, Norway | 5.5 | | Good | 1 | Saved | | 1145 | Elm, American | 8.5 | | Good | 1 | Saved | 1 " |
| 510 | Aspen | 16 | Good | 1 | Saved | НР | 859 | Oak, white | 29 | | Fair | 1 | Saved | НР | 1147 | Elm, American | 6.5 | | Fair | 1 | Removed | |
| 512 | Basswood | 32 | Fair | 4 | Saved | HP | | Maple, Norway | 9 | | Good | 1 | Saved | | 1150 | Crabapple | 7 | | Good | 1 | Removed | |
| 513 688 | Basswood Cherry, black | 14.5 18 | Good Fair | 1 | Saved Removed | HP HP | 861 864 | Maple, Norway Cherry, black | 6.5 | | Good Good | 1 | Saved Saved | | 1152 1155 | Oak, red Basswood | 18.5 | | Good Good | 1 | Saved Saved | HP |
| 690 | Elm, American | 10 | Good | 1 | Saved | HP | 865 | Oak, red | 33.5 | | Good | 1 | Saved | НР | 1157 | Basswood | 6.5 | | Good | 1 | Saved | |
| 691 | Hackberry | 4.5 | Good | 1 | Saved | | 867 | Oak, red | 14 | | Good | 1 | Saved | НР | 1158 | Basswood | 13 | | Good | 1 | Saved | НР |
| 692 | Cherry, black | 10.5 | Good | 1 | Saved | НР | 868 | Oak, red Oak, white | 18 | | Good | 1 | Removed | НР | 1159 | Basswood | 14 | | Fair | 2 | Saved | HP |
| 694 695 | Aspen Aspen | 10.5 | Fair | 1 | Saved Saved | HP HP | 993 | Cherry, black | 32 | | Good Good | 1 | Removed Removed | HP | 1160 1161 | Basswood Basswood | 6.5 | | Fair Good | 1 | Saved Saved | + |
| 697 | Aspen | 8.5 | Good Fair | 1 | Saved | 115 | 996 | Basswood | 6 | | Good | 1 | Saved | | 1162 | Oak, red | 18 | | Good | 1 | Saved | НР |
| 698 | Aspen | 11 | Good | 1 | Saved | НР | 998 | Basswood | 4.5 | | Fair | 1 | Saved | | 1163 | Ironwood | 4.5 | | Good | 1 | Saved | |
| 699 | Aspen | 8 | Fair | 1 | Saved | | 1000 | Basswood | 10 | | Good | 1 | Saved | НР | 1164 | Basswood | 10 | | Good | 1 | Saved | HP |
| 700 701 | Aspen Oak, pin | 32 | Good | 1 | Saved Saved | HP HP | 1001 | Basswood Basswood | 8 | | Good Good | 1 | Saved Saved | HP | 1165 1166 | Basswood Basswood | 5.5 8 | | Good Good | 1 | Saved Saved | |
| 701 | Cherry, black | 4.5 | Fair Good | 1 | Saved | 1115 | 1002 | Aspen | 12.5 | | Good | 1 | Saved | HP | 1168 | Basswood | 13 | | Good | 1 | Saved | HP |
| 708 | Birch, paper | 19.5 | Good | 2 | Saved | НР | 1006 | Boxelder | 10 | | Fair | 1 | Saved | НР | 1169 | Ironwood | 5.5 | | Good | 1 | Saved | |
| 711 | Cherry, black | 5 | Good | 1 | Saved | | | Basswood | 13 | | Fair | 1 | Saved | НР | 1171 | Basswood | 15.5 | | Fair | 2 | Removed | НР |
| 712 | Oak, white | 26 15.5 | Good | 1 | Saved | НР | 1010 | Boxelder Elm, American | 6.5 | | Good | 1 | Saved Saved | HP | 1172 1173 | Oak, red | 20 | | Fair Fair | 1 | Saved Saved | HP HP |
| 713 714 | Oak, white Oak, pin | 15.5 22 | Good Good | 1 | Saved Saved | HP HP | | Aspen | 7.5 | | Good Fair | 1 | Saved | | 1173 | Basswood Ironwood | 6.5 | | Fair Good | 1 | Saved | + nr |
| 715 | Oak, pin | 18.5 | Good | 1 | Saved | HP | 1014 | Aspen | 10.5 | | Fair | 1 | Saved | НР | 1175 | Oak, red | 37 | | Good | 1 | Saved | НР |
| 717 | Oak, white | 23 | Good | 1 | Saved | НР | | Aspen | 10 | | Fair | 1 | Saved | НР | 1176 | Oak, red | 28 | | Good | 1 | Removed | НР |
| 719 | Oak, pin | 32.5 | Good | 1 | Saved | HP | | Boxelder | 9.5 | | Fair | 1 | Saved | LIB | 1177 | Pine, Scots | 26 15.5 | 60 55 | Fair | 1 | Saved | НР |
| 721 722 | Oak, white Oak, pin | 21 | Good | 1 | Saved Saved | HP HP | | Aspen Oak, red | 11 18 | | Good Good | 1 | Saved Saved | HP HP | 1179 1180 | Pine, Scots Ironwood | 15.5 | 55 | Good Good | 1 | Removed Removed | HP |
| 724 | Aspen | 11 | Good | 1 | Saved | НР | | Aspen | 7.5 | | Fair | 1 | Removed | | 1253 | Oak, white | 29 | | Good | 1 | Removed | НР |
| - | Aspen | 13 | Fair | 1 | Saved | HP | 1023 | Aspen | 8 | | Fair | 1 | Removed | | 1255 | Oak, white | 19 | | Good | 1 | Removed | НР |
| 725 | 7.59611 | _ | | | | . — | | | | | | | | | 4056 | LOak white | 1 20 | 1 | | | | LUD |
| 725 727 728 | Aspen Aspen | 9 9.5 | Fair Fair | 1 | Saved Saved | | | Basswood Basswood | 7.5 | | Good Good | 1 | Saved Saved | HP | 1256 1257 | Oak, white Oak, red | 28 19.5 | | Good Good | 1 | Removed Removed | HP HP |

| 280 Dak. red 6.5 Good 1 Saved 14 |
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| Basswood |
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| 188 |
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| 176 Pine, white |
| 177 Fir, balsam |
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| 71 Passwood 15.5 Fair 2 Removed H |
| 171 Basswood 15.5 Fall 2 Removed 11 |
| .72 Oak, red 20 Fair 1 Saved H |
| .73 Basswood 28 Fair 1 Saved H |
| .74 Ironwood 6.5 Good 1 Saved |
| .75 Oak, red 37 Good 1 Saved H |
| .76 Oak, red 28 Good 1 Removed H |
| .77 Pine, Scots 26 60 Fair 1 Saved H |
| .79 Pine, Scots 15.5 55 Good 1 Removed H |
| .80 Ironwood 6 Good 1 Removed |
| 253 Oak, white 29 Good 1 Removed H |
| 25 Oak, white 29 Good 1 Removed H |
| 256 Oak, white 28 Good 1 Removed H |
| , Good 1 Removed 11 |
| 257 Oak, red 19.5 Good 1 Removed H |

| Tree No. | Species | DBH | Height | Tree Condtion | No. of Stems | Saved / Removed | High Priority Tree |
|-------------|---------------|------|--------|------------------|-----------------|--------------------|--------------------------|
| 1259 | Oak, red | 22 | | Good | 1 | Removed | НР |
| 1260 | Oak, white | 18.5 | | Good | 1 | Removed | HP |
| 1261 | Basswood | 8 | | Good | 1 | Saved | |
| 1262 | Oak, red | 29 | | Good | 1 | Saved | HP |
| 1263 | Oak, red | 8 | | Good | 1 | Saved | |
| 1266 | Fir, Douglas | 25.5 | 65 | Good | 1 | Removed | HP |
| 1267 | Basswood | 16.5 | | Good | 2 | Saved | HP |
| 1268 | Basswood | 23.5 | | Fair | 1 | Saved | HP |
| 1274 | Oak, red | 7.5 | | Good | 1 | Saved | |
| 1275 | Oak, red | 13.5 | | Good | 1 | Saved | HP |
| 1276 | Oak, red | 4.5 | | Fair | 1 | Saved | |
| 1278 | Spruce, white | 7 | 28 | Fair | 1 | Saved | HP |
| 1279 | Spruce, white | 5 | 24 | Fair | 1 | Saved | HP |
| 1280 | Fir, balsam | 9 | 30 | Fair | 1 | Saved | НР |
| 1283 | Oak, red | 12.5 | | Good | 1 | Saved | HP |
| 1284 | Basswood | 11 | | Good | 1 | Saved | HP |
| 1285 | Basswood | 5 | | Good | 1 | Saved | |
| 1286 | Oak, red | 13.5 | | Good | 1 | Saved | HP |
| 1287 | Oak, red | 6 | | Good | 1 | Saved | |
| 1288 | Basswood | 25.5 | | Good | 2 | Saved | HP |
| 1289 | Basswood | 11 | | Good | 1 | Saved | HP |
| 1290 | Oak, red | 8.5 | | Good | 1 | Saved | |
| 1292 | Basswood | 22.5 | | Fair | 2 | Saved | HP |
| 1293 | Basswood | 11 | | Fair | 1 | Saved | HP |
| 1294 | Fir, balsam | 6.5 | 30 | Good | 1 | Saved | НР |
| 1295 | Fir, balsam | 4 | 25 | Good | 1 | Saved | НР |
| 1296 | Oak, red | 16.5 | | Good | 2 | Saved | HP |
| 1298 | Fir, balsam | 7.5 | 34 | Good | 1 | Saved | НР |
| 1299 | Fir, balsam | 4 | 25 | Good | 1 | Saved | HP |
| 1300 | Fir, balsam | 7.5 | 24 | Good | 1 | Saved | HP |
| 1301 | Fir, balsam | 4.5 | 26 | Good | 1 | Saved | НР |
| 1303 | Fir, balsam | 5.5 | 30 | Good | 1 | Saved | HP |
| 1304 | Fir, balsam | 6.5 | 32 | Good | 1 | Saved | HP |
| 1305 | Fir, balsam | 5.5 | 28 | Fair | 1 | Saved | HP |
| 1306 | Oak, red | 11.5 | | Fair | 1 | Saved | НР |
| 1307 | Fir, balsam | 6.5 | 30 | Good | 1 | Saved | НР |
| 1308 | Fir, balsam | 6 | 32 | Good | 1 | Saved | НР |
| 1310 | Fir, balsam | 5 | 28 | Fair | 1 | Removed | НР |
| 1311 | Spruce, white | 15 | 40 | Fair | 1 | Saved | НР |
| 1312 | Spruce, white | 7 | 28 | Fair | 1 | Saved | НР |
| 1313 | Oak, red | 12.5 | | Good | 1 | Saved | HP |
| 1314 | Fir, balsam | 8.5 | 35 | Good | 1 | Saved | HP |
| 1315 | Fir, balsam | 5.5 | 30 | Good | 1 | Saved | HP |
| 1316 | Spruce, white | 8.5 | 35 | Fair | 1 | Removed | НР |
| 1317 | Oak, pin | 15.5 | | Good | 1 | Saved | HP |

LAKE W DEVELOPMENT, L LOUCKS PLANNING CIVIL ENGINEERING LANDSCAPE ARCHITECTURE ENVIRONMENTAL

> CADD QUALIFICATION Consultant from any & all responsibilities, claims, and liabilities.

FRETHAM 31ST

ADDITION

7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369

763.424.5505 www.loucksinc.com

SUBMITTAL/REVISIONS PRELIMINARY PLAT 07/27/ 2023 TREE NV REVISION

I hereby certify that this plan, specification or eport was prepared by me or under my direct sus ension and that I am a duly Licensed Landscape Archivect under the laws of the State of Minnesota.

I recory A. Johnson - LA

License I c. 24610

Dave QUALITY CONTROL Loucks Project No. TWM Project Lead GAJ Drawn By GAJ Checked By

SHEET INDEX COVER SHEET C1-1 EIXSTING CONDITIONS C1-2 DEMOLITION PLAN C2-1 SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT CIVIL DETAILS

L1-1 TO L1-3 TREE INVENTORY L1-4 TREE PRESERVATION PLAN L1-5 TO L1-7 TREE REMOVALS PLAN

Review Date

08/21/2023

NOTE:

SIGNIFICANT TREES DECIDUOUS - 4" TO 10" CAL. INCHES CONIFEROUS - 10' HEIGHT MIN HIGH PRIORITY TREES DECIDUOUS - 10" CAL. INCHES MIN CONIFEROUS - 15' HEIGHT MIN

ALL LISTED TREES ARE SIGNIFICANT

UNLESS NOTED AS 'HP'

REMOVALS-



Thursday, August 10, 2023

Plymouth Road WPA Tree Analysis

By: Kelsey Thompson, Development Director Lake West Development Kelsey@LWestDev.com

Objective: The purpose of this Tree Study is to apply the code to the proposed development plans, analyzing the tree ordinance and specifically, the WPA area.

Ordinance No. 2021- Section 300.28, Subdivision 19 of Minnetonka City Code, regarding Tree Protection 314.01 Tree Protection

5. Definitions

- j) "Tree, High Priority" a tree that is not in a woodland preservation area but is still important to the site and the neighborhood character, that is structurally sound and healthy, and that meets at least one of the following standards as outlined below. The city forester prioritizes and maintains a prioritization list of native and culturally significant trees species above non-native trees. This prioritization of species may be used to guide both tree removals and mitigation.
 - 1) a deciduous tree that is at least 10 inches dsh.
- 2) a coniferous tree that is at least 15 feet in height that is not in a group as described below; or
- 3) a tree that is in a group of three or more deciduous trees that are at least eight inches dsh or coniferous trees that are at least 15 feet in height, that provide a buffer or screening along an adjacent public street, and that are within 50 feet of an arterial road and 35 feet of a minor collector, local, or private street and a trail. This distance will be measured from the edge of the pavement or curb of the road, street, or trail.
- I) "Tree, Significant" a tree that is structurally sound and healthy and that is either a deciduous tree at least four inches dsh or a coniferous tree at least 10 feet in height.

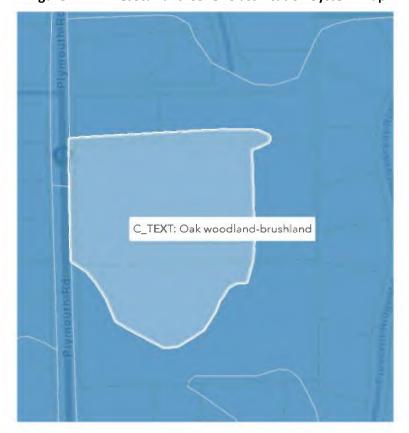
- n) "Woodland preservation area" a remnant woodland ecosystem that is at least two acres in size regardless of property boundaries, is generally mapped in the city's Minnesota Land Cover Classification System, and although it may be <u>degraded</u>, it generally meets the criteria for one of the following types of ecosystems as reasonably determined by the city:
 - 1) "floodplain forest"
 - 2) "lowland hardwood forest"
 - 3) "maple basswood forest"
 - 4) "mesic oak forest"
 - 5) "oak woodland brushland"
 - 6) "tamarack swamp"
 - 7) "willow swamp"

Per the DNR's field visit dated 2003, this general area was classified as an Oak Woodland Brushland (Source: Minnesota Land Cover Classification System) see Hennepin County MLCCS Map below.

DNR Surveyor: Jason Husveth

Note: in 2003, the DNR was using the "MN DNR standard Guide to the Native Plant Communities" at the time. Presently, the DNR uses the "Native Plant Community Guide for the Eastern Broadleaf Forest" to classify vegetation. Thus, classification and criteria have changed since being assessed twenty years ago.

Figure 1: Minnesota Land Cover Classification System Map



The definition of an "oak woodland brushland" per Minnetonka's City Code is seen below. According the the Natural Resources page this area has sandy soils per the classification requirements below, however the trees listed in this type of ecosystem are found as follows:

5) "oak woodland brushland" - an area with a canopy more open than a forest but less open than a savanna. It is characterized by open-grown trees and a distinct shrub layer in well-drained sandy, gravelly soils. The dominant tree species include red oak, northern pin oak, white oak, bur oak, and aspen. When it exists, the trees in the understory include saplings from the canopy, black cherry and red cedar. The large shrub or small tree layer can include American hazelnut, ironwood, juneberry and chokecherry:

Table 1: Oak Woodland Brushland Tree Inventory within WPA area on Site

| Oak Woodland Brushland | | | |
|---------------------------|------------------|----|-----|
| open-growth trees | | | |
| well-drained sandy, grave | lly soils | | |
| dominent tree species | red oak | 45 | 9% |
| | northern pin oak | 16 | 3% |
| | white oak | 42 | 8% |
| | bur oak | 2 | 0% |
| | aspen | 76 | 15% |
| understory | black cherry | 25 | 5% |
| | red cedar | 0 | 0% |
| shrub/small tree layer | hazelnut | 0 | 0% |
| | ironwood | 4 | 1% |
| | juneberry | 0 | 0% |
| | chokecherry | 0 | 0% |
| | | | 40% |

Of the 519 trees surveyed within the WPA area as defined by the City, only 35% of them are the dominant tree type outlined as the criteria for this type of ecosystem. Of all the trees listed in the understory and small tree layer (totaling 5%), there are 40% of contributing trees within this classification system in the WPA area.

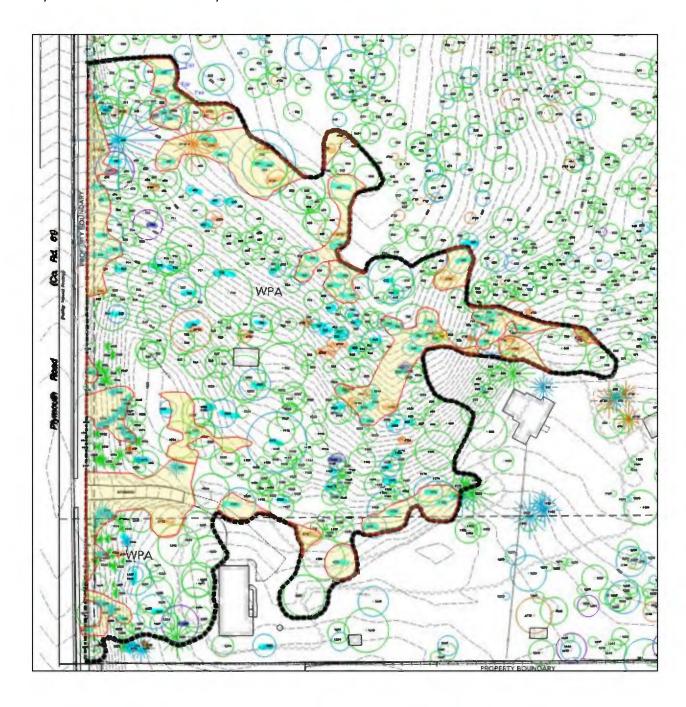
Note: within the WPA area, of the 519 trees inventoried, 161 trees are Green Ash, totaling 31% of the total area. Ash trees are not listed as a type of tree specific to this ecosystem. We're questioning whether this entire area can be classified as an Oak Woodland Brushland given the types of trees that are surveyed.

A total inventory of WPA area trees are listed in the table below. (see next page.)

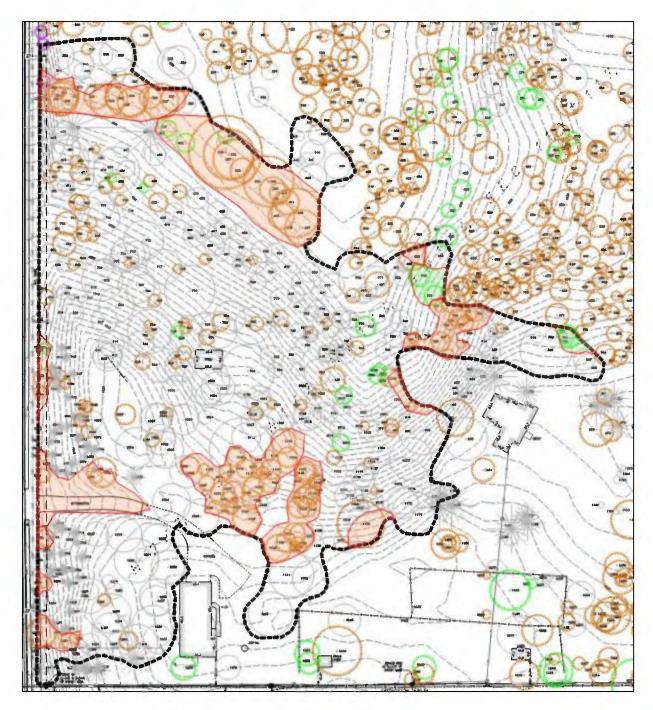
Plymouth Road WPA Tree Analysis

| WPA Tree | | WPA | Ţ | |
|--------------------|----|---------------|-----|-----|
| Row Labels | * | Count of Tree | No. | % |
| Arborvitae | | | 2 | 0% |
| Ash, green | | | 161 | 31% |
| Aspen | | | 76 | 15% |
| Basswood | | | 55 | 11% |
| Birch, paper | | | 2 | 0% |
| Boxelder | | | 16 | 3% |
| Cherry, black | | | 25 | 5% |
| Crabapple | | | 1 | 0% |
| Elm, American | n | | 8 | 2% |
| Fir, balsam | | | 29 | 6% |
| Fir, Douglas | | | 1 | 0% |
| Hackberry | | | 1 | 0% |
| Ironwood | | | 4 | 1% |
| Locust, black | | | 2 | 0% |
| Maple, Norwa | ay | | 7 | 1% |
| Maple, silver | | | 3 | 1% |
| Maple, sugar | | | 1 | 0% |
| Oak, bur | | | 2 | 0% |
| Oak, pin | | | 16 | 3% |
| Oak, red | | | 45 | 9% |
| Oak, white | | | 42 | 8% |
| Pine, Scots | | | 2 | 0% |
| Pine, white | | | 1 | 0% |
| Spruce, white | | | 17 | 3% |
| Grand Total | | | 519 | |

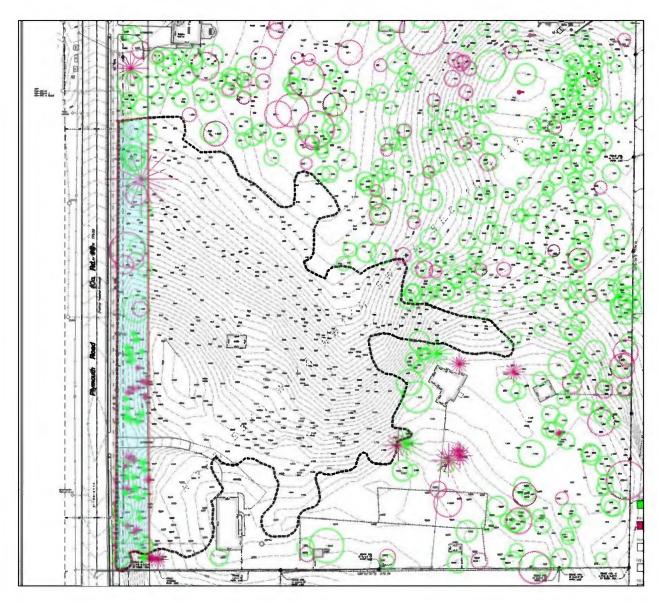
Additionally, within the WPA area, we've identified all the trees surveyed as Fair (highlighted in blue) Poor (highlighted in orange), and Very Poor (highlighted in purple) health. We've identified groupings of non-healthy trees along the perimeter of the WPA boundary highlighted in yellow. We'd like a second opinion if these areas can be excluded from the WPA area.



Another survey of the map is looking at the type of tree within the WPA area. Reiterated, Ash, Black Locust, Elm, and Boxelder are not criteria of this classification of Woodland Preservation Area. Additionally, Ash, Black Locust, and Elm are listed as unwanted trees and will be excluded from tree removal calcs.

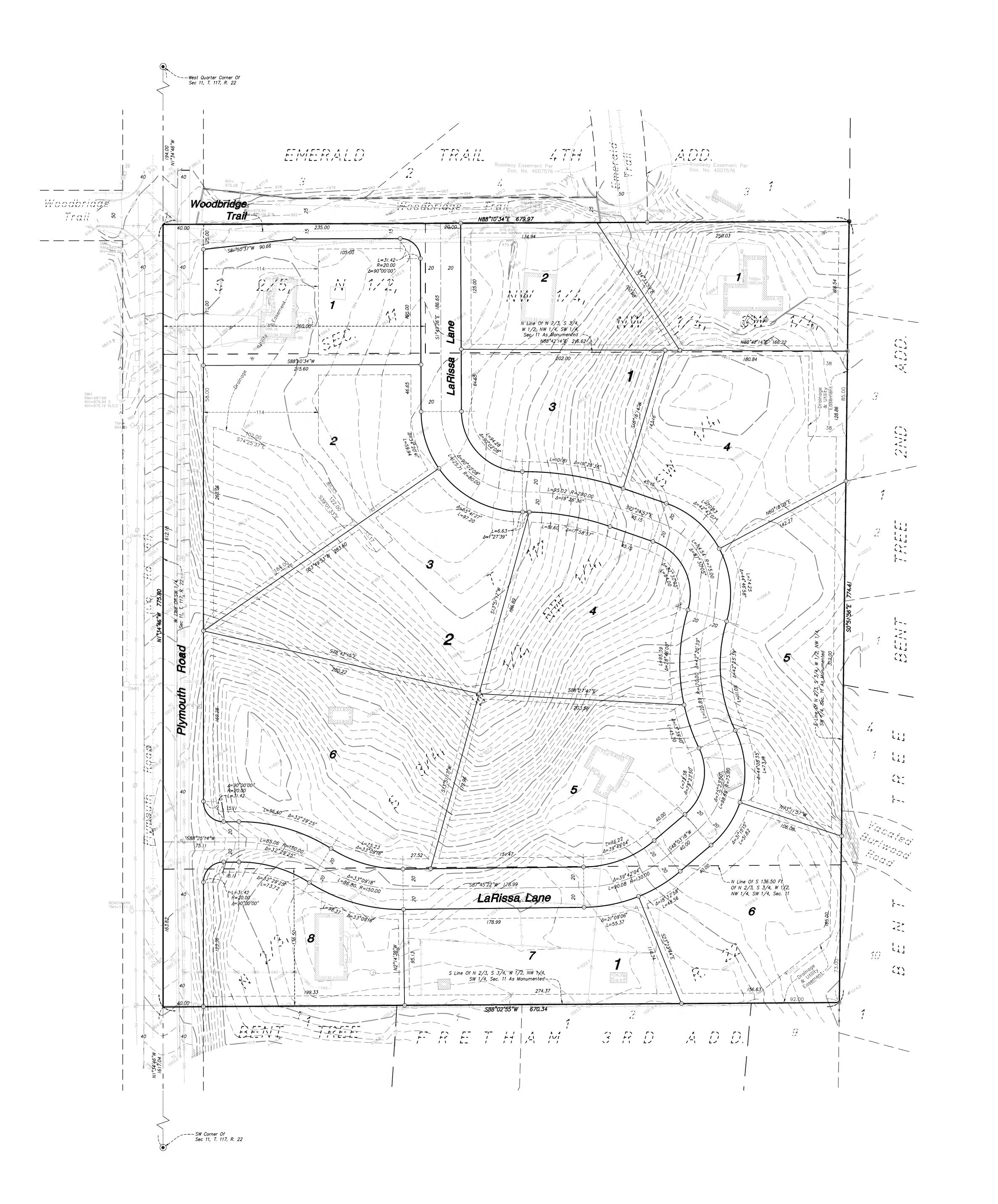


Ash trees are circled in orange, boxelder are circled in green, locust in purple, and elm in blue. We've assessed large areas with multiple ash trees along the perimeter of the WPA boundary and highlighted them in orange as areas that we'd like reassessed whether to be excluded from the WPA area.



Additionally, as noted in the narrative, this 50' buffer along 565 linear feet of the arterial ROW that's within the WPA area highlighted in blue, contains 78 "would be" High Priority trees. Of this area, we are saving 71 trees with only 8 removals. Because code defines a HP tree as outside of the WPA area, we aren't allowed to include the savings in our tree calculation table.

In conclusion, although we meet the strict tree ordinance for both the WPA area calculation and the HP and Significant Trees, we wanted to include our indepth tree analysis to the city for further review. Please reach out if you have any questions.



LEGAL DESCRIPTION

The South 136.50 feet of the North 2/3 of the South 3/4 of the West 1/2 of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, according to the United States Government Survey thereof, Hennepin County, Minnesota.

The North 2/3 of the South 3/4 of the West 1/2 of the Northwest Quarter of the Southwest Quarter of Section 11, Township 117, Range 22, except the South 136.50 feet thereof, according to the United States Government Survey thereof, Hennepin County, Minnesota.

The West 260.00 feet of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 of Section 11, Township 117, Range 22, Hennepin County, Minnesota, except

That part of the South 2/5 of the North 1/2 of the Northwest 1/4 of the Northwest 1/4 of the Southwest 1/4 lying East of the West 260.00 feet thereof, Hennepin County, Minnesota. Abstract Property.

GENERAL NOTES

SURVEYOR: Loucks 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55330 763-424-5505

OWNER/DEVELOPER: Lakewest Development, LLC 14525 Highway 7, Suite 265 Minnetonka, MN 55345 952-653-1346

1. Prepared August 25, 2023.

- 2. The address, as disclosed in documents provided to the surveyor, obtained by the surveyor, or observed while conducting the fieldwork is 2503, 2505, 2511 and 2615 Plymouth Road, Minnetonka, Minnesota 55305.
- 3. The bearings for this survey are based on the Hennepin County Coordinate System NAD 83 (1986 Adjust).

Benchmark: MnDOT 2789 AH (Disk In Bridge Railing)
 In Minnetonka; in a bridge railing at the southeast corner of CR61/Plymouth Rd - Bridge No. 27736 over I-394; at I-394 milepoint 0.75; 0.8 mile east along I-394 from the junction of I-394 and I-494; 28.0 feet east of CR 61.
 Elevation = 898.52 feet (NGVD29)

Site Benchmark: Top nut of hydrant located on west side of Plymouth Road near the southwest corner of the property, shown hereon. Elevation = 1011.31 feet (NGVD29)

- 5. This property is contained in Zone X (areas determined to be outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map No. 27053C0329F, Community Panel No. 270173 0329 F, effective date of November 4, 2016.
- 6. The field work was completed on October 6, 2021.
- 7. This property is currently under construction. All monuments will be set after construction is completed, or within one year of the plat being filed.

ZONING INFORMATION

Current Zoning: R-1 (Low Density Residential District)

Side Yard:

35 Feet (Local & Neighborhood Collector Streets) 50 Feet (Major Collector & Arterial Roadways) 10 Feet Min. (Must Combine To Total 30 Feet) Lesser of 40 Feet Min. Or 20% Of Lot Depth

Proposed Zoning: R-1 (Low Density Residential District)

Proposed Setbacks:

20 Feet (Local & Neighborhood Collector Streets) 50 Feet (Major Collector & Arterial Roadways) 10 Feet Min. (Must Combine To Total 30 Feet) Side Yard: Lesser of 40 Feet Min. Or 20% Of Lot Depth

| Areas: | | | |
|------------------------------|---|---------------------------|----------------|
| Lot 1, Block 1 | = | 26,559 +/- square feet or | 0.61 +/- acres |
| Lot 2, Block 1 | = | 22,107 +/- square feet or | 0.51 +/- acres |
| Lot 3, Block 1 | = | 22,009 +/- square feet or | 0.50 +/- acres |
| Lot 4, Block 1 | = | 32,694 +/- square feet or | 0.75 +/- acres |
| Lot 5, Block 1 | = | 34,079 +/- square feet or | 0.78 +/- acres |
| Lot 6, Block 1 | = | 30,109 +/- square feet or | 0.69 +/- acres |
| Lot 7, Block 1 | = | 26,690 +/- square feet or | 0.57 +/- acres |
| Lot 8, Block 1 | = | 24,201 +/- square feet or | 0.56 +/- acres |
| Lot 1, Block 2 | = | 26,380 +/- square feet or | 0.61 +/- acres |
| Lot 2, Block 2 | = | 41,236 +/- square feet or | 0.95 +/- acres |
| Lot 3, Block 2 | = | 37,541 +/- square feet or | 0.86 +/- acres |
| Lot 4, Block 2 | = | 30,713 +/- square feet or | 0.70 +/- acres |
| Lot 5, Block 2 | = | 37,545 +/- square feet or | 0.86 +/- acres |
| Lot 6, Block 2 | = | 46,135 +/- square feet or | 1.06 +/- acres |
| Right of Way Dedication Area | = | 87,271 +/- square feet or | 2.00 +/- acres |

Total Property Area

= 8/,2/1 +/- square feet or 2.00 +/- acres= 523,269 +/- square feet or 12.01 +/- acres

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS: (NOT TO SCALE)

BEING 5 FEET IN WIDTH, UNLESS OTHERWISE INDICATED AND ADJOINING LOT LINES, AND BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, AND ADJOINING RIGHT-OF-WAY AND BOUNDARY LINES, AS SHOWN ON THE



LAKE WE DEVELOPMENT, L

LOUCKS CIVIL ENGINEERING

> LAND SURVEYING LANDSCAPE ARCHITECTURE ENVIRONMENTAL 7200 Hemlock Lane, Suite 300 Maple Grove, MN 55369 763.424.5505 www.loucksinc.com

CADD QUALIFICATION on other projects, for additions to this project, or for completion information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be nsultant from any & all responsibilities, claims, and liabilities.

SUBMITTAL/REVISIONS 08/25/2023 PRELIMINARY PLAT

PROFESSIONAL SIGNATURE I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of

08/25/23 QUALITY CONTROL Loucks Project No. Project Lead Drawn By Checked By Field Crew

COVER SHEET EIXSTING CONDITIONS DEMOLITION PLAN SITE PLAN GRADING PLAN C3-2 TO C3-3 SWPPP PLAN & NOTES C4-1 SANITARY & WATERMAIN PLAN STORM SEWER PLAN PRELIMINARY PLAT C8-1 TO C8-3 CIVIL DETAILS TREE INVENTORY L1-4 TREE PRESERVATION PLAN

L1-5 TO L1-7 TREE REMOVALS PLAN

