

Planning & Development Division

Planning & Economic Development Department

Room 160 411 West First Street Duluth, Minnesota 55802



TO:

Erik Birkeland, Provisional Director, Property, Parks and Libraries
Jessica Peterson, Duluth Parks
Cliff Knettel, Duluth Parks
Katie Bennett, Duluth Parks
Jim Shoberg, Duluth Parks
Abbie Hopper, Duluth Parks
Bryan Thoreson, Duluth Property & Facilities

Danielle Erjavec, Duluth Property & Facilities Henry Martinsen, Duluth Property & Facilities Amanda Mangan, Duluth Attorney

Nicholas Anderson, Duluth Attorney Jim Benning, Duluth Public Works & Utilities Cari Pedersen, Chief Engineer of Transportation

Patrick F. Loomis, Duluth Engineering Cindy Voigt, Duluth City Engineer Tom Johnson, Duluth Project Engineer Howard Smith, Chief Engineer of Utilities

Duncan Schwensohn, Duluth Public Works & Utilities

Branden Heidelberger, Duluth Engineering

Bill Byers, Duluth Engineering

Greg Guerro, Duluth Utility Ops Manager Chris Kleist, Duluth Utility Operations Peggy Billings, Engineering Technician Bill Bergstrom, Engineering Technician Andy Swanson, Duluth Utility Operations Ryan Granlund, Duluth Utility Programs Coordinator

Ryan Granlund, Duluth Utility Programs Coordinato Shawn Krizaj, Duluth Fire Chief John Otis, Duluth Deputy Fire Chief Lisa Consie, Fire Marshal

Mike Ceynowa, Duluth Police Mark Bauer, Duluth Parking John Hinzmann, MnDOT Jim Miles, MnDOT Clark Christensen, City of Dulu

Clark Christensen, City of Duluth Forester Bri Speldrich, Area Hydrologist DNR Patricia Fowler, DNR Liaison Cliff Bentley, MnDNR Brandon Kohlts, WLSSD Anne Sims, SLC Assessor's Office Jon Osterberg, SLC Accessors Office Ron Chicka, MIC

Stacy Caldwell Melcher, SLC County Land Dept Jim Foldesi, St Louis Co. Public Works

Jill Helmer, Minnesota Power Dean Dulinski, Minnesota Power

Sue Larkin, Lumen

Joe Kutter, CenturyLink/Lumen Michael Coughlin, CenturyLink/Lumen Darren Kitchak, Charter Spectrum Chad Lawrence, Charter Spectrum

Ben VanTassel, Planning and Economic Development Director

Jenn Reed Moses, Duluth Planning & Development Tricia Hobbs, Duluth Planning & Development Steven Robertson, Duluth Construction Services (CSI)

Blake Nelson, Building Inspector, CSI

 $\label{lem:condition} Armella \ Bijold, \ Permitting \ Services \ Administrator, \ CSI$

Reina Owecke, Permit Coordinator, CSI Tara Smith, Permit Coordinator, CSI Emily Schouweiler, Permit Coordinator, CSI Kyle Deming, Planning & Development Suzanne Kelley, Planning & Development Jason Mozol, Planning & Development Chris Lee, Planning & Development

Tom Church, Duluth Planning & Development Sam Smith, Duluth Planning & Development Christian Huelsman, Duluth Planning & Development James Gittemeier, Duluth Planning & Development

Chris Belden, Duluth Transit Authority

Kariann Payton, Duluth GIS

CoD, Duluth GIS

DATE: October 15, 2025

SUBJECT: Planning Commission Meeting Agenda Items for November 12, 2025

The Duluth City Planning Commission has received 6 new application(s) for review. Please review the technical aspects and desirability of the proposals and provide comments at your earliest convenience. Note that City of Duluth reviewers with access to EPL can view the applications there as well, by searching for the project number under "Manage Plans"

PLIUP-2510-0040 Interim Use Permit for a Vacation Dwelling Unit at 4721 E Superior St by Reilly Brennan [CL] **PLIUP-2510-0041** Interim Use Permit for a Vacation Dwelling Unit at 38 Cato Ave by Darin Reinke [JM] **PLIUP-2510-0042** Interim Use Permit for a Vacation Dwelling Unit at 1520 Minnesota Ave by William Michels [CL]

PLSUB-2509-0013 Minor Subdivision at 010-3921-00020 (Harbor Highlands) by Fryberger Law Firm [CH]
PLVAC-2510-0010 Vacation of Right-of-Way at 2832 Jefferson St by Grace Shervey [CH]
PLVAR-2510-0013 Variance to Shoreland Regulations at 800 Railroad St by Donald Holm Construction [CH]

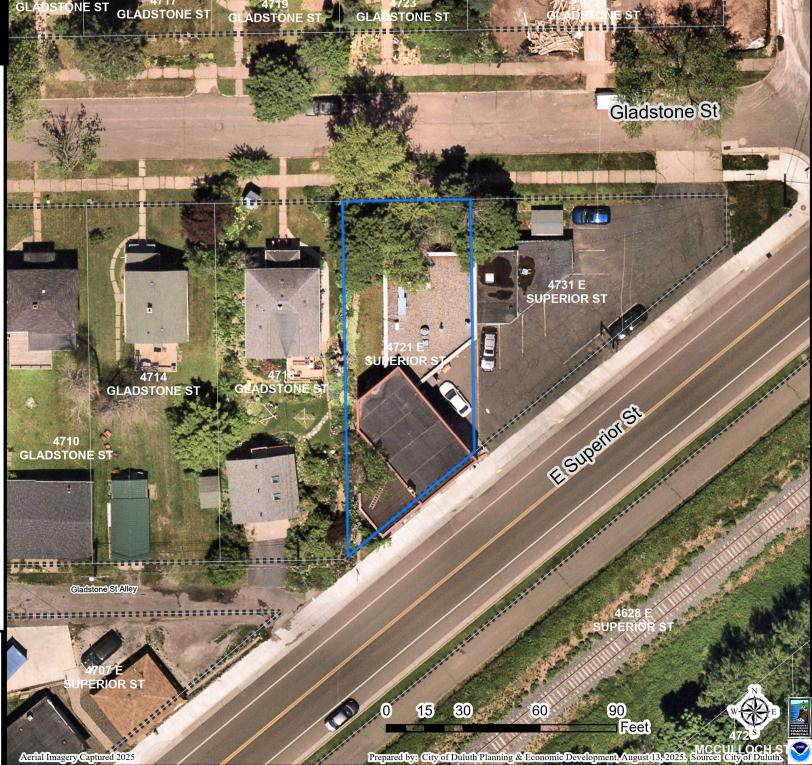
We appreciate your time and input. If you have any questions, comments or need additional background information, please find the initials of the assigned planner at the end of the application item and contact the planner directly.

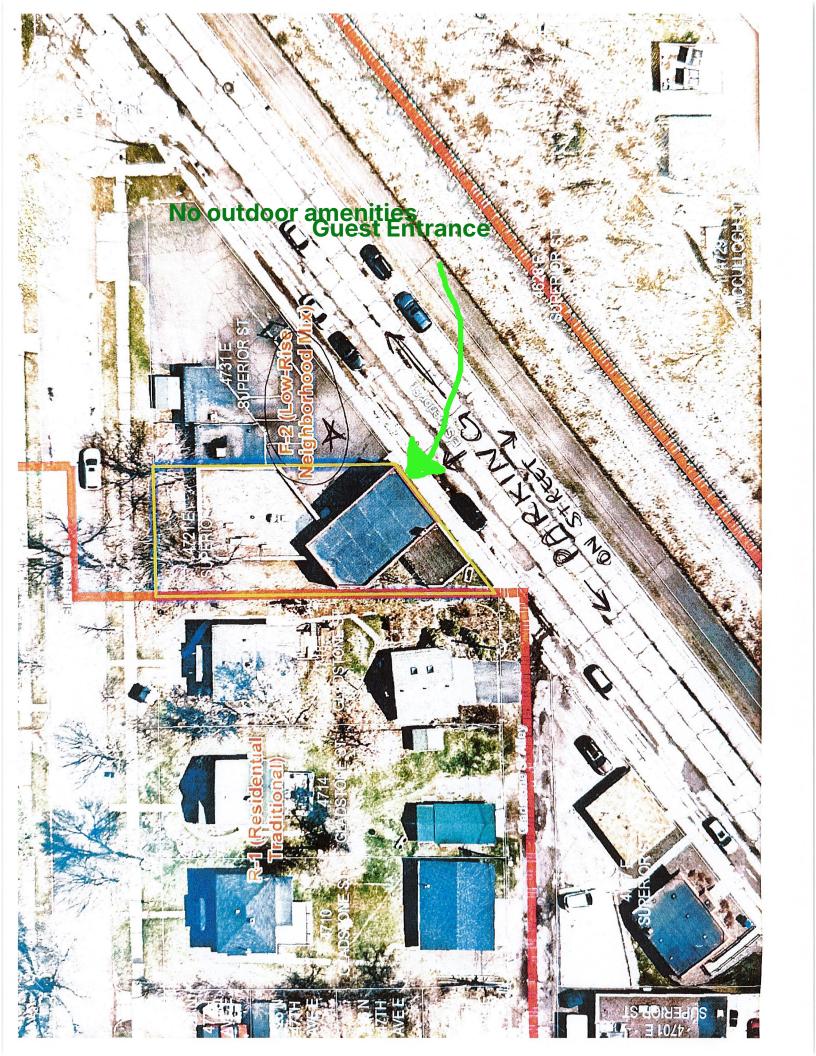
Christian Huelsman - chuelsman@duluthmn.gov Chris Lee - clee@duluthmn.gov Jason Mozol - jmozol@duluthmn.gov

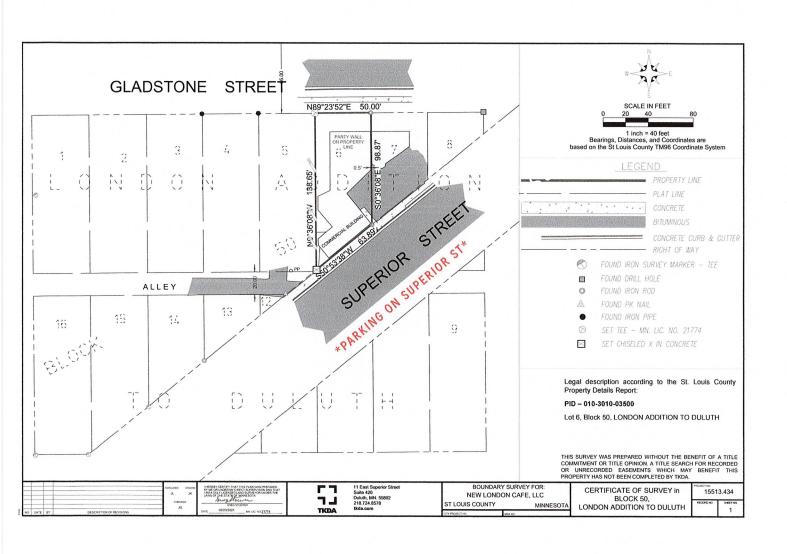


PLIUP-2510-0040

Interim Use Permit for a VDU 4721 E Superior St



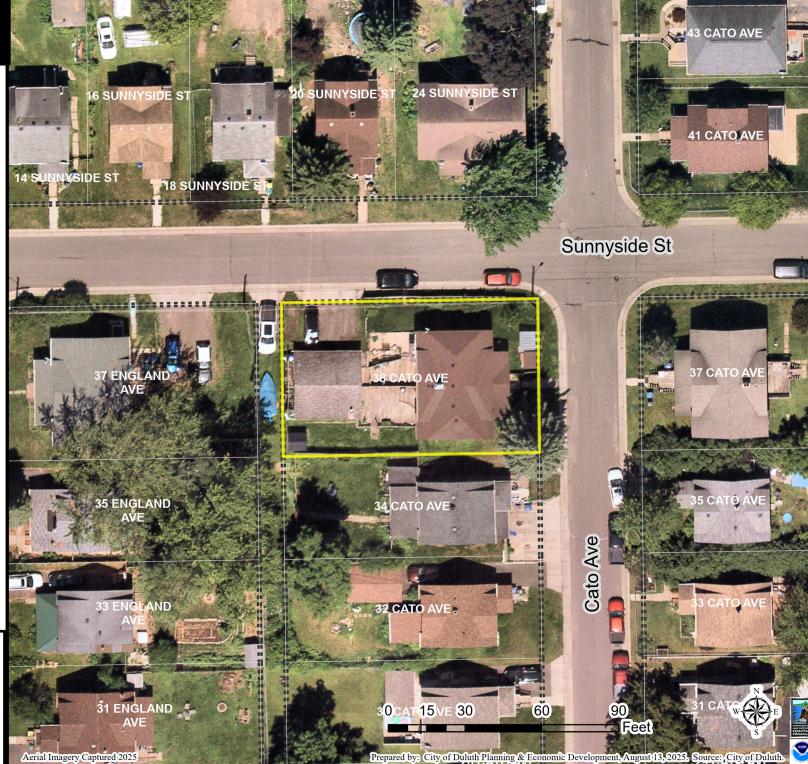




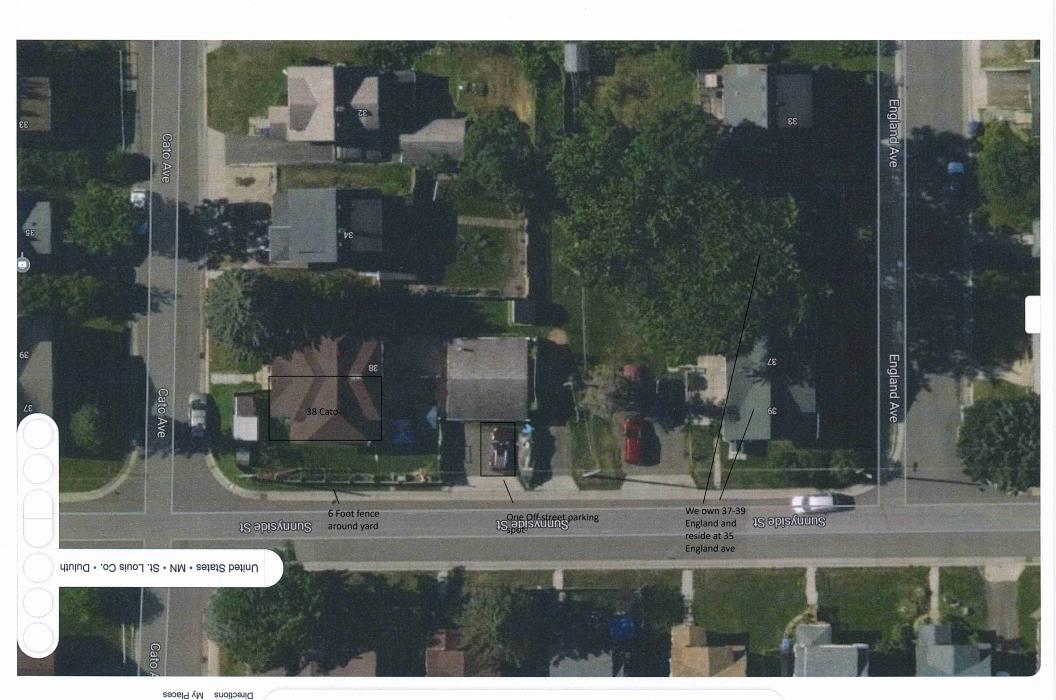


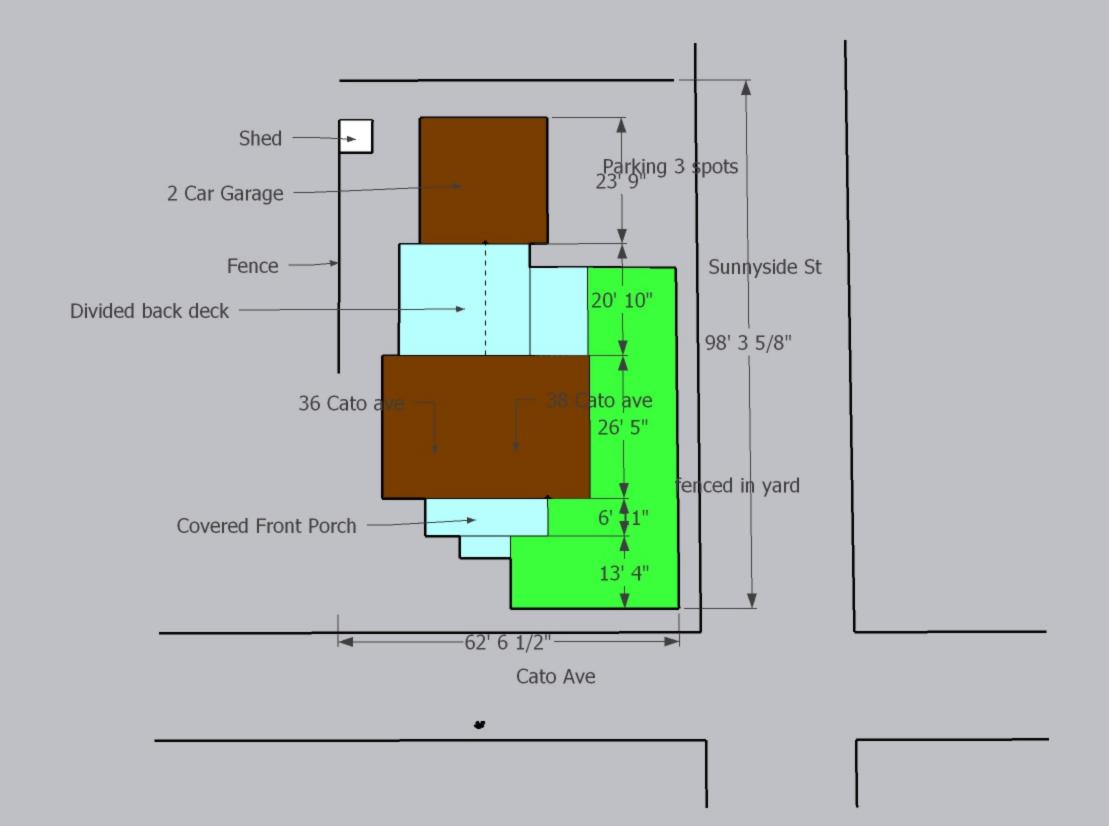
PLIUP-2510-0041

Interim Use Permit for a VDU 38 Cato Ave







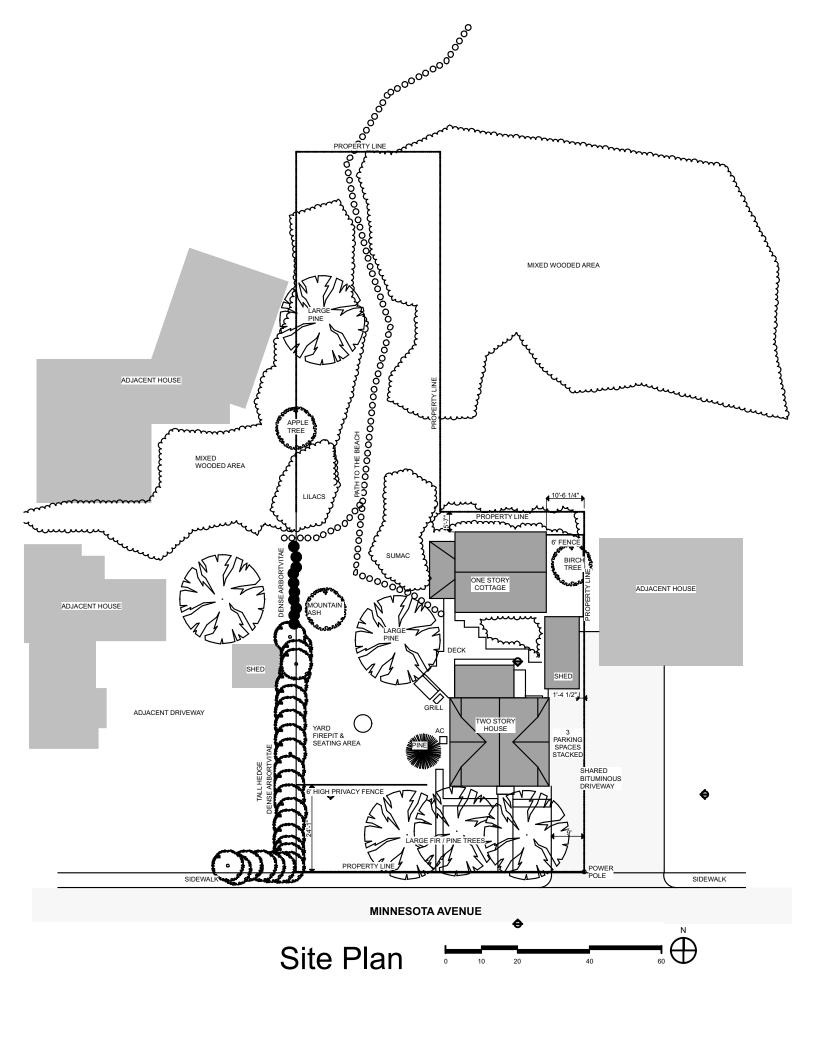




PLIUP-2510-0042

Interim Use Permit for a VDU 1520 Minnesota Ave

1437 S LAKE AV LAKE 15th St S WINNESOTA Minnesota Ave 150 50 100 Feet MINNE Prepared by: City of Duluth Planning & Economic Development, October 15, 2025, Source: City of Duluth. Aerial Imagery Captured 2025

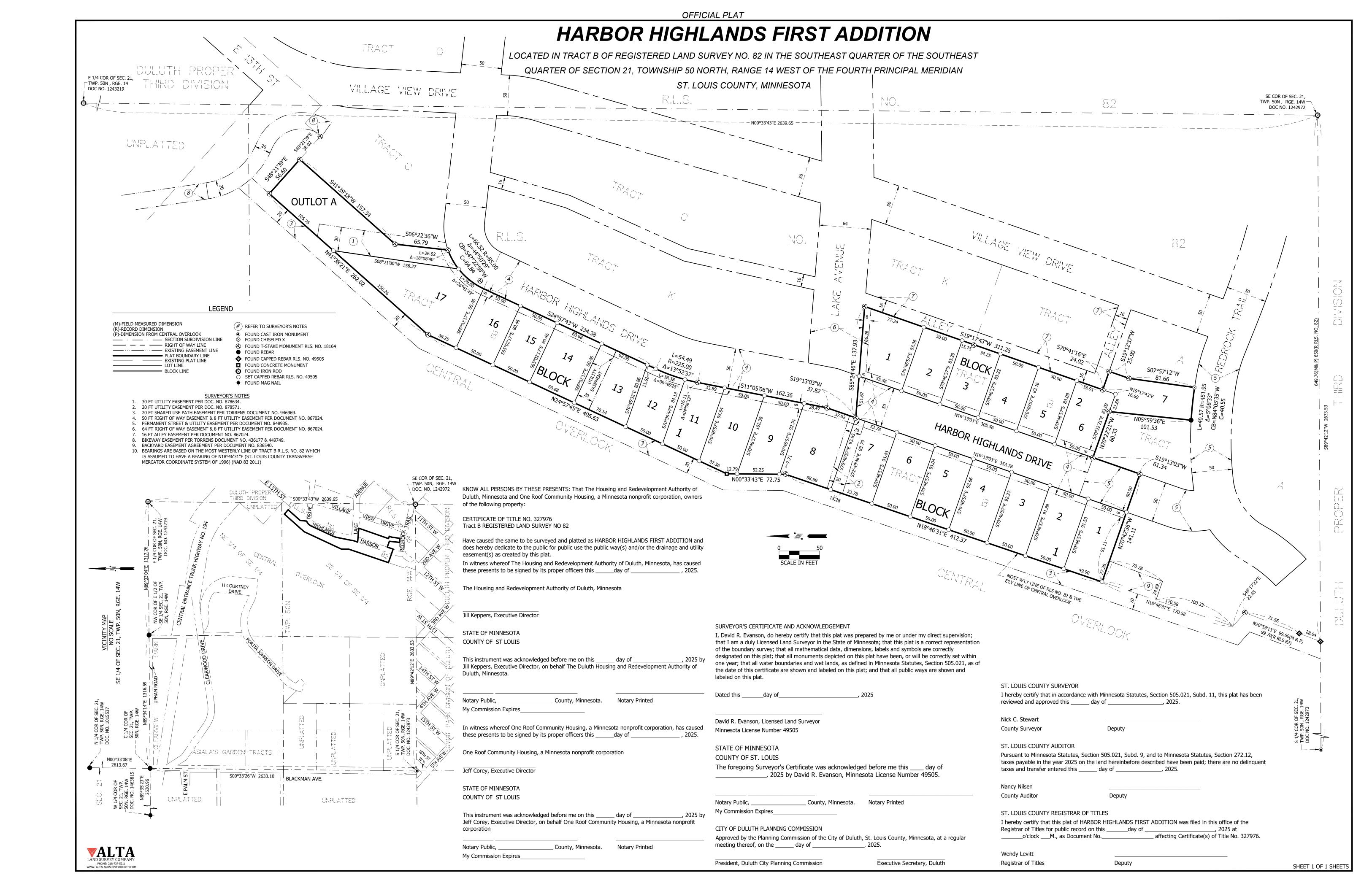




PLSUB-2509-0013

Minor Subdivision 010-3921-00020 (Harbor Highlands)

111 E HARBON HIGHLANDS DR HIGHLANDS DR **E CENTRA** N Lake Ave 4 W 11 TH ST 8 W 11 TH ST st Nand 450 300 Prepared by: City of Duluth Planning & Economic Development, October 15, 2025. Source: City of Duluth. Aerial Imagery Captured 2025





JAMES B. AIRD Duluth Office jaird@fryberger.com 218.725.6821

October 7, 2025

City of Duluth Planning Commission 411 West First Street, Room 160 Duluth, MN 55802

Re: PLSUB-2411-0007

Harbor Highlands First Addition (the "Plat")

Amendment to Final Plat Approval

Dear Planning Commission:

This firm represents the Duluth HRA (the "HRA"). This letter supplements and provides further information to support the HRA's request to amend a prior final plat approval, previously approved March 27, 2025, under File Number PLSUB-2411-0007.

Pursuant to the City's Uniform Development Code ("UDC") § 50-37.5 and Minn. Stat. § 462.358, Subd. 4b(c), the HRA requests that the Planning Commission approve a Quit Claim Deed from the HRA to One Roof Community Housing ("One Roof" or the "Developer") which would otherwise be noncompliant under the UDC. The proposed Quit Claim Deed is submitted along with this letter.

Further amendment to the plat is also necessary, simply to reflect that the HRA and One Roof would *jointly* dedicate the plat as owners, immediately after the recording of the Quit Claim Deed. The HRA respectfully requests the Commission re-approve this plat, as amended. A copy of the amended plat is included with this letter.

In all other respects, the Plat is the same as it was when approved by the Commission on March 27, 2025.

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

CLOQUET 813 Cloquet Ave. Cloquet, MN 55720 p: (218) 879-3363 DULUTH 302 West Superior St, Suite 700 Duluth, MN 55802 p: (218) 722-0861 SUPERIOR 1409 Hammond Ave. Suite 330 Superior, WI 54880 p: (715)392-7405

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

October 7, 2025 Page 2

UDC § 50-37.5 notes that "This Section applies to all applications to subdivided unplatted land." Minn. Stat. § 462.358, Subd. 4b(a) provides that: "In a municipality in which subdivision regulations are in force and have been filed or recorded as provided in this section, no conveyance of land to which the regulations are applicable shall be filed or recorded, if the land is described in the conveyance by metes and bounds or by reference to an unapproved registered land survey made after April 21, 1961 or to an unapproved plat made after such regulations become effective."

However, the UDC in Section 50-37.5 further states that "in any case in which compliance with the foregoing restrictions will create an unnecessary hardship and failure to comply does not interfere with the purpose of the subdivision regulations, the planning commission may waive such compliance by adoption of a resolution to that effect and the conveyance may then be filed or recorded." This is supported by Minnesota Statutes § 462.358, Subd. 4b(c).

A waiver of the requirements of UDC § 50-37.5 is necessary because the HRA cannot obtain further revisions to prior approvals from the U.S. Department of Housing and Urban Development ("HUD") for disposition of this Property in a timely fashion (further exacerbated now by the recent federal government shutdown), and it cannot follow HUD's current requirements while remaining in compliance with § 50-37.5 of the UDC. This presents an unnecessary hardship.

The Quit Claim Deed we wish to the Commission to approve will allow the development to proceed, and any nonconformity created by the Quit Claim Deed will be immediately cured by the recording of the Plat. Therefore, failure to comply does not interfere with the purpose of the subdivision regulations.

Factual Background

The HRA owns 3.22 acres of vacant land in the City of Duluth, Minnesota (the "City") in the Harbor Highlands / Central Hillside Revitalization Traditional Neighborhood Development, and is legally described as follows:

Tract B, Registered Land Survey No. 82, St. Louis County, Minnesota.

(hereinafter the "Property").

The Property is subject to several Declarations of Trust in favor of HUD. The HRA requires HUD's approval to convey the land to the Developer. The HRA has obtained such approval. However, the approval by HUD uses a legal description which is a "metes and bounds"

FRYBERGER, BUCHANAN, SMITH FREDERICK, P.A.

October 7, 2025 Page 3

description based on the "pre-plat" legal description. Current HUD approvals therefore require the conveyance be made to the Developer *prior to* recording of the Plat.

In HUD's most recent approval, the legal description used by HUD allows for a conveyance to the Developer of all the Property, <u>except</u> a parcel of land which was identified previously as a possible site for an extension of Lake Avenue (the "**Lake Avenue Extension Lot**," identified on the final plat as "Lot 8, Block 1").

The HRA removed the Lake Avenue Extension Lot from HUD's approval to accommodate the Commission's desire to pursue the Lake Avenue extension. In its preliminary plat approval, the Commission had requested the HRA undertake the following action:

Lake Avenue Connection Condition: Within two (2) years of approval of the plat, Owner shall use its best efforts to take, or cause to be taken, all action and to do, or cause to be done, all things reasonably necessary, proper and advisable to consummate and effect, in the most expeditious manner practicable, the condition of preliminary plat approval in Planning File PLSUB-2406-0003 that Owner provide space for right of way to be dedicated for future connection of Lake Avenue in the plat (the "Condition"), including without limitation (i) cooperation with the City to achieve the Condition; (ii) obtaining consents from all third parties and governmental entities necessary, proper and advisable to achieve the Condition; (iii) assent to actions taken by the City, including legal proceedings, to achieve the Condition; and (iv) the execution of any additional instruments necessary to achieve the Condition. Owner shall give City prompt notice of any communication or actions taken in pursuit of achieving the Condition. Notwithstanding this obligation to endeavor to meet the Condition, Owner's failure to meet the Condition will not be construed as default of this Agreement or final plat approval, provided that this waiver shall not be construed as a waiver of default of any other obligation under this Agreement or final plat approval. Owner shall not assign this obligation without the written consent of the City, which may be withheld in the City's sole discretion.

Seeking to accommodate the Commission's request to achieve the Lake Avenue Connection Condition, and seeking the most expedient possible way to close on the transaction, convey the Property to the Developer, and begin development of the Property, the HRA removed the Lake Avenue Extension Lot from HUD's approval of the disposition of the property.

HUD has therefore approved the disposition of all of the Property <u>except</u> the Lake Avenue Extension Lot. It is the HRA's intention to convey all the Property to One Roof, except for the Lake Avenue Extension Lot, which the HRA will retain. After recording of the Plat, the HRA

FRYBERGER, BUCHANAN, SMITH FREDERICK, P.A.

October 7, 2025 Page 4

will revisit the disposition of the Lake Avenue Extension Lot (which will then be "Lot 8, Block 1") with HUD.

Notwithstanding the failure to meet the foregoing Lake Avenue Connection Condition, the Planning Commission previously, on March 27, 2025, approved the final Plat.

The HRA now simply requests that the Planning Commission allow the recording of the Quit Claim Deed to the Developer using the HUD-approved "pre-plat" legal description. This would create a non-conforming lot, but such nonconformity will be immediately cured by recording of the Plat. The only other change would be that One Roof and the HRA would jointly dedicate the Plat as owners.

The HRA cannot timely obtain amended approvals from HUD, and further delay of this development is an unnecessary hardship. Further delay unnecessarily jeopardizes the Developer's funding sources, and delays construction of 23 new units of housing at a time when recent reports suggest the City will require nearly 9,000 new units of housing by 2035.¹

Waiving the requirements of UDC § 50-37.5 for the Quit Claim Deed to One Roof will solve the problem imposed by the current HUD requirements and allow this development to proceed.

The City needs new housing. One Roof is ready to build it. The HRA is ready to convey land for that purpose. HUD has approved the disposition of all but one lot in this Property for housing. The Planning Commission has already approved this Plat. Accordingly, the HRA respectfully requests that the Planning Commission grant the foregoing requests so development can proceed.

Sincerely

James B. Aird

Fryberger Law Firm

Attorneys for the Housing and Redevelopment Authority of Duluth, MN

¹ See Dan Kraker, MPR News, "Duluth faces severe housing crunch as population inches up" (September 28, 2025), available at: https://www.mprnews.org/story/2025/09/28/duluth-faces-housing-issues-as-population-grows



PLVAC-2510-0010

Vacation of Right-of-Way Portion of S 29th Ave E

Legend

Road or Alley ROW

County Parcel Data

ROW

Railroad, Active currently in use

Road, Active - currently in use

2831 JEFFERSON ST Jetlerson St. ERSON S Proposed vacation area 2826 JEFFERSON ST 2824 EFFERSON ST 2812 FFERSON ST 30 60 Prepared by: City of Duluth Planning & Economic Development, October 15, 2025, Source: City of Duluth. Aerial Imagery Captured 2025

LEGAL DESCRIPTION OF RIGHT OF WAY VACATION

All that part of Delaware Avenue, also known as 29th Avenue East abutting and lying adjacent to Block 42, HARRISON'S DIVISION OF DULUTH, according to the recorded plat thereof, St. Louis County, Minnesota, said right of way to be vacated is described as follows:

Commencing at the North most corner of said Block 42; thence on an assumed bearing of South 48 degrees 23 minutes 09 seconds East, along the Northeasterly line of said Block 42 for a distance of 7.20 feet to the point of beginning of said right of way vacation; thence continue South 48 degrees 23 minutes 09 seconds East, along said Northeasterly line 87.32 feet to the East line of said Block 42; thence North 00 degrees 30 minutes 21 seconds East, along said East line 19.91 feet to a line parallel with and distant 15 feet Northeasterly of the Northeasterly line of said Block 42; thence North 48 degrees 23 minutes 09 seconds West, along said parallel line 74.23 feet; thence South 41 degrees 36 minutes 51 seconds West 15.00 feet to the point of beginning. Said right of way vacation contains 1,212 square feet or 0.03 acres.

	LEGEND
RIGHT OF WAY VACATION AREA	POC-POINT OF COMMENCEMENT POB-POINT OF BEGINNING ———————————————————————————————

SURVEYOR'S NOTES

- 1. PART OF BLOCK 42, HARRISON'S DIVISION OF DULUTH TAKEN FOR JEFFERSON STREET RIGHT OF WAY AS SHOWN ON OLD CITY OF DULUTH ENGINEERING RECORDS.
- 2. CENTERLINE OF JEFFERSON STREET AS SHOWN ON OLD CITY OF DULUTH ENGINEERING RECORDS.
- BEARINGS ARE BASED ON THE ST. LOUIS COUNTY TRANSVERSE MERCATOR COORDINATE SYSTEM OF 1996. (NAD 83 2011)
- 4. THIS IS NOT A BOUNDARY SURVEY.

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 aws of the State of Minnesota.

Approved by the City Engineer of the City of

Duluth, MN this_____day of_____20__

David R. Evanson DATE:10-07-2025 MN License #49505 RIGHT OF WAY VACATION EXHIBIT

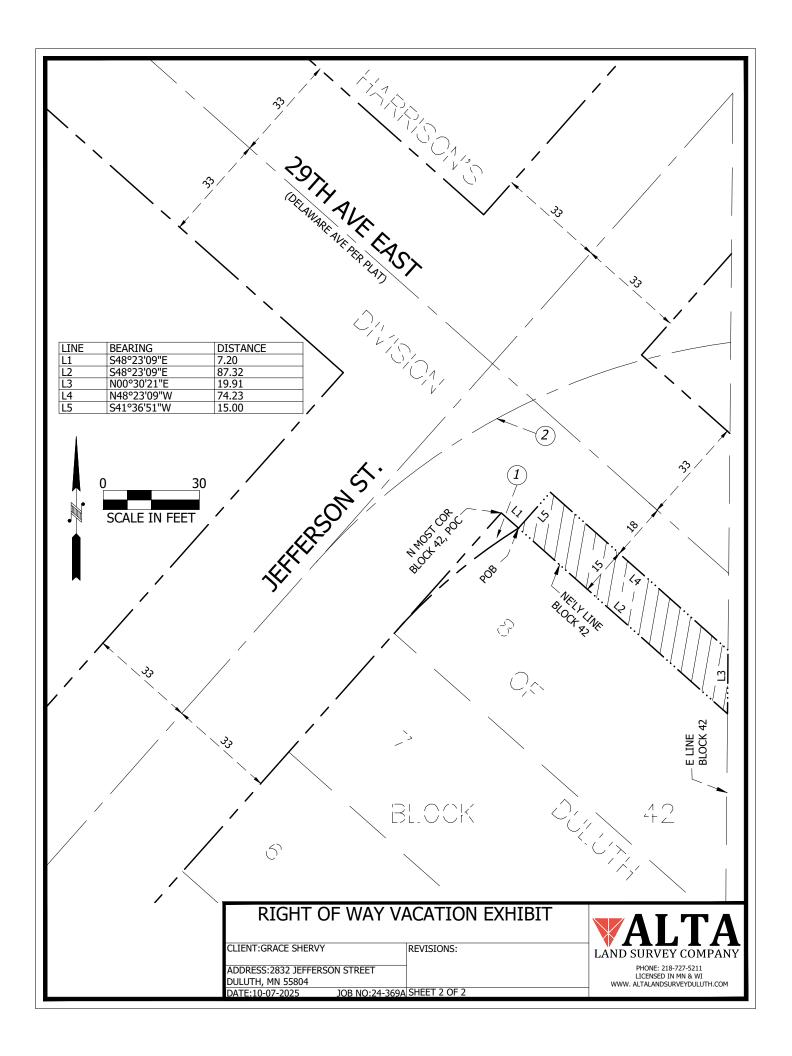
CLIENT:GRACE SHERVY REVISIONS:

ADDRESS:2832 JEFFERSON STREET DULUTH, MN 55804

JOB NO:24-369A SHEET 1 OF 2 DATE:10-07-2025



PHONE: 218-727-5211 LICENSED IN MN & WI WWW. ALTALANDSURVEYDULUTH.COM



Petition to Vacate Street, Alley, or Utility Easement

Name: GRACE SHERVET
Description of street, alley, or easement to vacate: ROW AT 29TH AND JEFFERSON
My request for this vacation is to (indicate purpose of vacation): A PARTIAL VACATION TO OBTAIN MORE TAKO FOR
The City of Duluth will not need this street, alley, or easement in the future because: THERE IS A LAKEWALK ACCESS ROAD ALREADT ON THE
PLEASE TAKE NOTICE: Pursuant to Section 50-37.6 of the Duluth City Code, the above-identified applicant(s) petition the Duluth City Council to vacate the street, alley, or easement described in the attached legal description.
This petition is made upon the following facts and reasons (Identify the factual basis and reasons supporting the petition) 1:
TO GAIN MORE PROPERTY TO THE NE SO WE CAN BUILD OUR ADDITION WITH THE PROPER SETBACKS.
This petition is supported by a majority of the person(s) who own a majority of the lineal frontage of the land abutting upon the portion of the public easement proposed to be vacated. A copy of the signatures of these persons is attached hereto and made a part hereof. ² The petitioner(s) agree to provide the city with a plat of the easement(s) as required by Section 50-37.6B(3) of the Duluth City Code upon approval of the vacation. We understand that the vacation cannot occur without the submission of the required plat. We understand that the cost of producing the plat is the responsibility of the petitioner(s). We also understand that the approval will lapse and be of no effect if the plat and olerk certification is not recorded with the county recorder within 90 days after final approval. Signature(s):

Notice: This is public data.

¹ In order to vacate a public easement it must be demonstrated that the easement is useless for the purpose for which it was dedicated.

² If a property is owned in joint tenancy or by tenants in common, each individual with an ownership interest will be counted to determine if a majority of owners have signed the petition. An owner cannot sign for another owner unless legally authorized to do so, i.e power of attorney, trustee, or court approved guardianship or conservatorship.



PLVAR-2510-0013

Variance to Shoreland Regulations 800 Railroad St

Legend



T Zoning Boundaries



Road or Alley ROW



County Parcel Data



Variance Area

Zoning

UDC Zoning



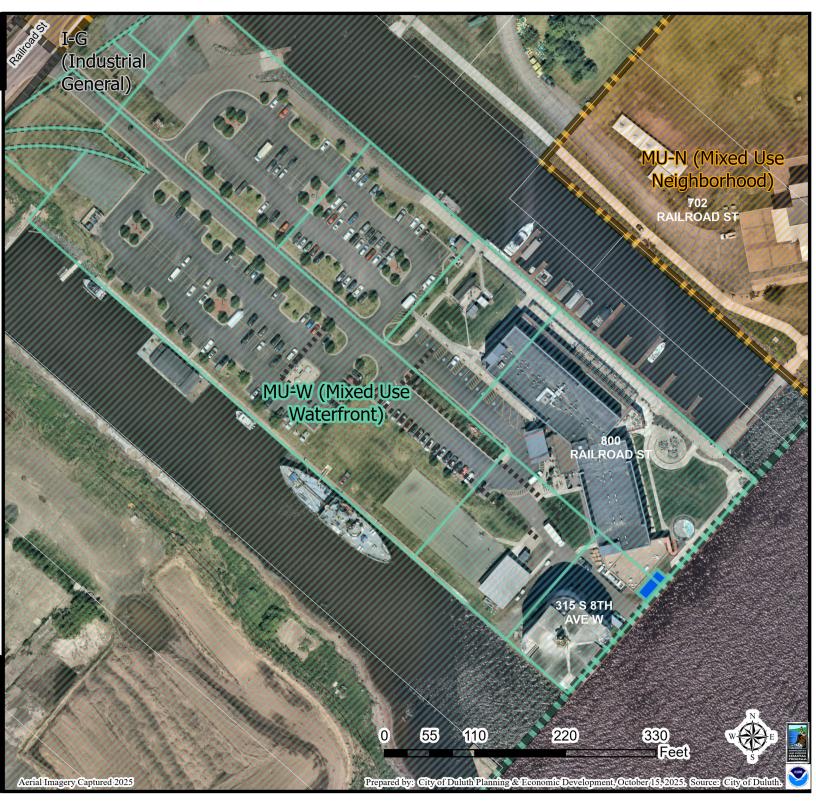
MU-W (Mixed Use Waterfront)

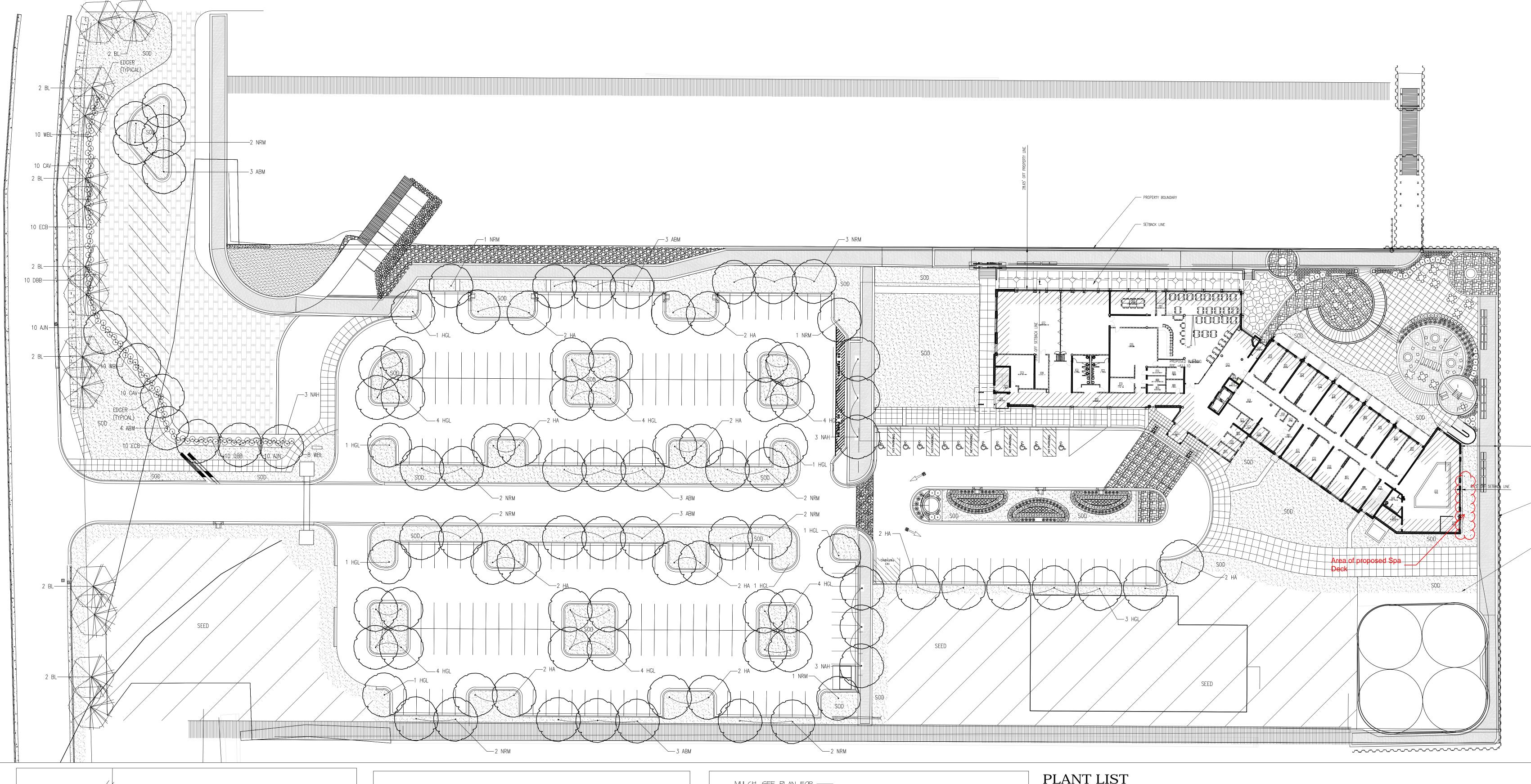


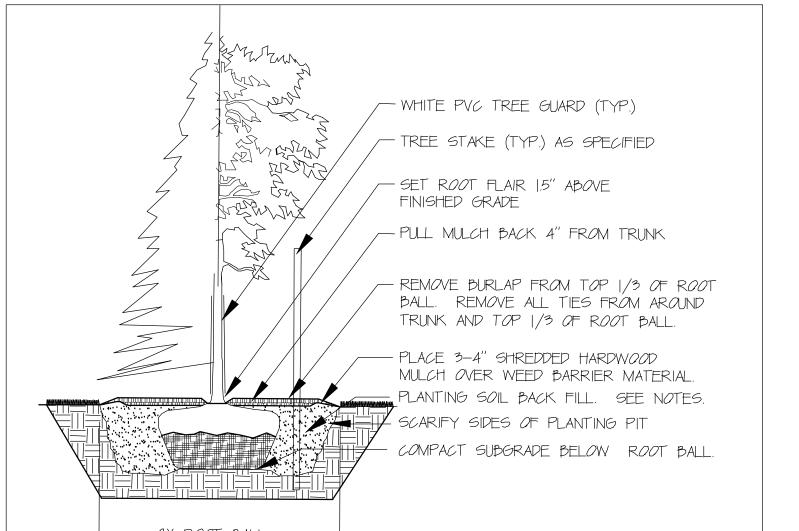
MU-N (Mixed Use Neighborhood)

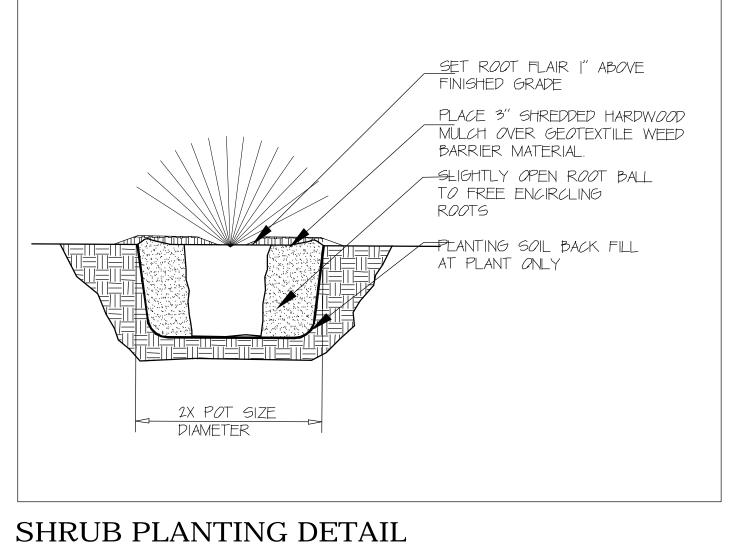


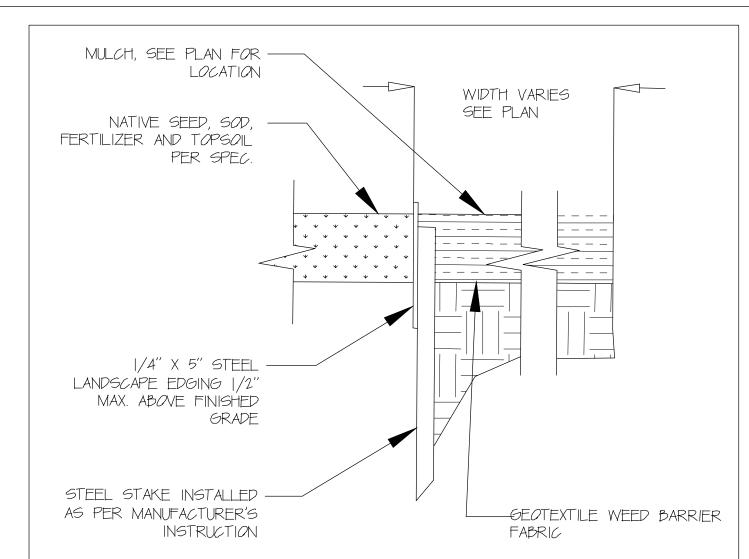
I-G (Industrial General)











PLA	NT L	IST						
SYMBOL	KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE CAL./HT.	ROOT	SPACING	COMMENTS
	TREES	•					•	
	ABM	19	ACER X FREEMANII JEFFERSRED	AUTUMN BLAZE MAPLE	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
	НА	20	CELTIS OCCIDENTALIS	HACKBERRY	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
VI-	HGL	34	TILIA MONGOLICA 'HARVEST GOLD'	HARVEST GOLD LINDEN	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
	NAH	9	GLEDITSIA TRIACANTHOS INERMIS 'HARVE"	NORTHERN ACCLAIM HONEYLOCUST	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
(·)	NRM	20	ACER RUBRUM 'NORTHWOODS'	NORTHWOODS RED MAPLE	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
	BL	14	TILIA AMERICANA 'BOULEVARD'	BOULEVARD LINDEN	2.5" CAL.	B&B	PER PLAN	SINGLE STRAIGHT LEADER
	DECIDUOUS	S SHRUBS						
	AJN	20	PHYSOCARPUS OPULIFOLIUS 'JEFRAM'	AMBER JUBILEE NINEBARK	5 GAL.	РОТ	5'-0" O.C.	
	CAV	20	VIBURNUM TRILOBUM 'BAILEY COMPACT'	COMPACT AMERICAN VIBURNUM	5 GAL.	POT	5'-0" O.C.	
+ +	DBB	20	EUONYMUS ALATUS 'COMPACTUS'	DWARF BURNING BUSH	5 GAL.	POT	5'-0" O.C.	
+)	ECB	20	BERBERIS X 'TARA'	EMERALD CAROUSEL BARBERRY	5 GAL.	POT	5'-0" O.C.	
	WBI	28	SYRINGA VIII GARIS 'WONDERRILIE'	WONDERBLUE LILAC	5 GAI	POT	5'-0" O.C	

NOTE TO CONTRACTOR: IF GRAPHIC REPRESENTATION OF PLANTINGS ON PLANS DOES NOT MATCH QUANTITIES IN PLANT LIST, GRAPHIC REPRESENTATION OF PLANTINGS ON PLANS WILL GOVERN.

NOTE SEE SHEET LA.3 FOR PATIO AND CENTER ENTRY ISLAND PLANTING PLAN.

DECIDUOUS/EVERGREEN TREE PLANTING DETAIL

LANDSCAPE NOTES:

- I. ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL. SEE 2900 SPECIFICATION. 2. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
- 3. ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN
- 4. ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD AND MEET ALL REQUIREMENTS SPECIFIED.
- 5. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- 6. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- 7. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
- 8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR I) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO
- REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
- BEFORE PRICING THE WORK. 10. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS

- AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
- II. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE PERIOD OF TIME SHOWN IN THE 02900 SPEC.
- 12. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- 13. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE 02900 SPEC. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.

STEEL EDGER DETAIL

- 14. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- 15. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT
- 16. WHERE SHOWN ON THE PLANS AND DETAILS, PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH
- A HARDWOOD MULCH FROM A LOCAL SOURCE HARVESTED IN A SUSTAINABLE MANNER TO A MINIMUM DEPTH OF FOUR INCHES.
- 17. REFER TO SPECIFICATIONS FOR INFORMATION NEEDED FOR IMPLEMENTATION OF PLANTING PLANS. 18. WEED MAT IS REQUIRED IN LANDSCAPED ISLANDS AS SPECIFIED.

FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.

19. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE

- 20. THE CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING OR SODDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING.
- 21. ALL NEW TREES PLANTED AS PART OF THE PROJECT SHALL RECEIVE EITHER IRRIGATION OR HAVE GATOR BAGS INSTALLED. THE GATOR BAGS ARE TO BE MAINTAINED PER MANUFACTURER'S INSTRUCTIONS THROUGHOUT THE WARRANTY PERIOD.
- 22. ALL DISTURBED AREAS ARE TO BE SODDED WITH 4" OF TOPSOIL UNLESS PART OF A MASS MULCH BED.



DULUTH, MN 55802 (P) 218.391.1335 (F) 218.722.6697

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ISSUE RECORD/REVISION 12/2/15 NEW BASE INFO

DUL! Y OF ☐

├──ONE INCH



LANDSCAPE PLAN

SHEET NUMBER

6/9/15 DRAWN BY: CHECKED BY:

LA-2

GROUND SNOW LOAD:

DESIGN LOADS

- DESIGNED IN ACCORDANCE WITH THE 2020 MINNESOTA STATE/2018 WISCONSIN COMMERCIAL BUILDING CODE

BUILDING RISK CATEGORY: SOILS ALLOWABLE SOIL BEARING PRESSURE: ASSUMED FILL SOIL DENSITY 120 PCF

GENERAL

- THE STRUCTURAL DRAWINGS ARE TO BE WORKED TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS AND SPECIFICATIONS FOR ALL INTER-DISCIPLINE INTERFACE WORK WHICH MAY NOT BE INCLUSIVE ON THE STRUCTURAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SHALL REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO COMMENCING THE WORK.

Pg = 60 PSF

- OPENINGS AND PENETRATIONS NOT SHOWN IN THE CONTRACT DOCUMENTS THROUGH ANY STRUCTURAL ELEMENTS OR ITEMS EMBEDDED IN THE STRUCTURAL ELEMENTS SHALL BE SUBMITTED

TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTING THE WORK. - ALL PRE-ENGINEERED COMPONENTS AND SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE

WITH THE MANUFACTURER'S RECOMMENDATIONS. - PLANS, SECTIONS AND DETAILS SHALL NOT BE SCALED FOR DETERMINATION OF SIZE, QUANTITIES, LENGTHS, ETC.

- DO NOT PLACE MATERIALS OR EQUIPMENT ON COMPLETED FLOORS OR ROOFS IN EXCESS OF THE INDICATED DESIGN LIVE LOADS. AVOID IMPACT LOADING.

- ALL MEMBERS ARE DESIGNED TO RESIST THE DESIGN LOADS WITHIN THE COMPLETED STRUCTURAL SYSTEM. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE SHORING, BRACING, ETC DURING CONSTRUCTION.

- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ANY AND ALL STREETS, UTILITIES, EXISTING STRUCTURES, EQUIPMENT, ETC.

- EXISTING CONDITIONS AND RELATED DIMENSIONS INDICATED IN THE CONTRACT DOCUMENTS SHALL BE FIELD VERIFIED. ANY VERIFIED CONDITIONS THAT DIFFER FROM THAT INDICATED IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PRODUCTION OF SHOP DRAWINGS OR EXECUTION OF WORK IN THE FIELD.

- CONTRACTOR SHALL COORDINATE ALL WORK AS NEEDED WITH OWNER'S SPECIAL INSPECTOR TO ENSURE ALL REQUIREMENTS OF SPECIAL INSPECTION PROGRAM ARE MET.

FOUNDATION

- CONTRACTOR SHALL REMOVE ALL ORGANIC AND UNCOMPACTED FILL AND REPLACE WITH ENGINEERED FILL COMPACTED TO 95% MODIFIED PROCTOR.

- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING FOUNDATION EXCAVATIONS.

- NON-FROST SUSCEPTIBLE SOIL SHALL BE A SOIL THAT DOES NOT DISPLAY SIGNIFICANT DETRIMENTAL ICE SEGREGATION DURING FREEZING. GENERALLY SOILS WITH LESS THAN 6% BY MASS PASSING A #200 SIEVE.

- CONCRETE SHALL NOT BE PLACED INTO OR AGAINST SOIL CONTAINING FREE WATER, FROST OR ICE. SHOULD WATER ENTER OR ICE FORM IN A STRUCTURAL EXCAVATION AFTER BEING APPROVED, THE SOIL SHALL BE RE-INSPECTED AFTER REMOVAL OF WATER OR ICE AND RECOMPACTION TO COMPLY

WITH GEOTECHNICAL REPORT UNO. - RIGID INSULATION SHALL COMPLY WITH ASTM C578 AND SHALL BE TYPE X.

OF THE HELICAL PILE SYSTEM INCLUDING ALL COMPONENTS.

HELICAL PILES

- HELICAL PILES SHALL HAVE A MIN 3 1/2" DIAMETER SHAFT AND BE INSTALLED TO AN ALLOWABLE AXIAL CAPACITY OF 25 TONS SERVICE (50 TONS ULTIMATE).

- THE AVERAGE INSTALLATION TORQUE FOR THE FINAL FOUR FEET OF INSTALLATION SHALL BE EQUAL TO OR GREATER THAN THAT REQUIRED BY PILE MANUFACTURER FOR THE SPECIFIED AXIAL CAPACITY. - HELICAL PILES SHALL BE HOT DIPPED GALVANIZED.

- CONTRACTOR SHALL MAINTAIN INSTALLATION LOGS FOR EACH PILE INDICATING FINAL INSTALLATION LENGTH AND HYDRAULIC PRESSURE WITH CORRESPONDING INSTALLATION TORQUE FOR EACH FOOT OF THE FINAL TEN FEET OF INSTALLATION. - CONTRACTOR SHALL HIRE A SPECIALITY STRUCTURAL ENGINEER (SSE) FOR THE DESIGN AND ANALYSIS CONCRETE

- ALL CONCRETE WORK SHALL CONFORM TO ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE - ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH AT

28 DAYS OF 4500 PSI UNO. - CONCRETE EXPOSED TO REPEATED FREEZING AND THAWING SHALL CONTAIN 6%+/-1.5% AIR

ENTRAINMENT AND HAVE A MAXIMUM W/C RATIO OF 0.45.

- ALL AGGREGATES SHALL CONFORM TO ASTM C33. - PORTLAND CEMENT SHALL CONFORM TO ASTM C150.

- REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

- NO WELDING OF REINFORCING SHALL BE PERFORMED WITHOUT PRIOR APPROVAL FROM ENGINEER.

- ALL FORMING SHALL BE TRUE AND STRAIGHT IN ACCORDANCE WITH ACI STANDARDS. - CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ACI 305.1 AND ACI 306.1 LATEST EDITION FOR HOT AND COLD WEATHER CONSTRUCTION WHEN APPLICABLE.

- ALL LAP SPLICES SHALL BE CLASS B LAP SPLICES UNLESS NOTED OTHERWISE. - REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR FLOOR FINISHES,

SLOPES, DRAINS, DEPRESSIONS, CELLS, EQUIPMENT PADS, ETC. - CONCRETE MIX DESIGN FOR CONCRETE PIER TO HAVE ANTI-WASHOUT ADMIXTURE AND TO USE 6"

DIAMETER TREMIE FOR POUR.

SUBMITTALS

- SHOP AND PLACEMENT DRAWINGS (INCLUDING CONNECTIONS) SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO COMMENCING FABRICATION FOR THE FOLLOWING ITEMS: CONCRETE REINFORCING STEEL

HELICAL PILES - THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD:

HELICAL INSTALLATION EQUIPMENT INCLUDING: -DRIVE HEAD TORQUE CHART RELATING HYDRAULIC PRESSURE TO INSTALLATION TORQUE

-PILE MANUFACTURER CAPACITY CHART RELATING TORQUE TO AXIAL CAPACITY HELICAL INSTALLATION LOGS TO INCLUDE:

-FINAL INSTALLED LENGTH

-INSTALLATION TORQUE PER FOOT FOR FINAL FOUR FEET OF EMBEDMENT -FINAL CALCULATED ULTIMATE AXIAL CAPACITY

CONCRETE MIX DESIGNS

HOT/COLD WEATHER CONSTRUCTION PROCEDURES (CONCRETE & CMU)

SPECIAL INSPECTION REPORTS & MATERIALS TESTING RESULTS

	STRUCTURAL ABBREVIATIONS							
ADDL ALT ANCH AB ARCH BSMT BM BRG BTWN BLK BB BOT BFE BLDG CANT CIP CLG CTR CL OR Q CLR CONC CMU CONN CONSTR CONSTR JT CONT CONT CONT CONT CONT CONT CONT CON	ADDITIONAL ALTERNATE ANCHOR (ANCHORAGE) ANCHOR BOLT ARCHITECT, ARCHITECTURAL BASEMENT BEAM BEARING BETWEEN BLOCK BOND BEAM BOTTOM OF FOOTING ELEVATION BUILDING CANTILEVER CAST IN PLACE CEILING CENTER CENTERLINE CLEAR COLUMN COMPOSITE CONCRETE CONCRETE CONCRETE CONCRETE CONCRETION CONSTRUCTION CONSTRUCTION CONSTRUCTION CONTRACTOR CONTROL JOINT DEAD LOAD DEPTH DEFORMED BAR ANCHOR DETAIL DIAGONAL DIAMETER DIMENSION DOWELS DOWN DRAWING	EA END EF EW ELEC EL ELEV EQ SP EQUIP EXIST EXP ANCH EXP BOLT EXT FF FIN FLR FT FTG FDN FRMG GALV GA GC GB GL HDR HK HS HSS HT HORIZ IN ID IF INT JT JET JBE JH	EACH EACH END EACH FACE EACH WAY ELECTRICAL ELEVATION ELEVATOR EQUAL EQUALLY SPACED EQUIPMENT ERECTION EXISTING EXPANSION ANCHOR EXPANSION JOINT EXTERIOR FAR FACE FAR SIDE FINISH FLOOR FOOT/FEET FOOTING FOUNDATION FRAMING GALVANIZED GAUGE GENERAL CONTRACTOR GRADE BEAM GLULAM GRADE HEADER HOOK HIGH STRENGTH HOLLOW STRUCTURAL SECTION HEIGHT HORIZONTAL INCH/INCHES INSIDE DIAMETER INSIDE FACE INTERIOR JOINT JOIST JOIST JOIST BEARING ELEVATION JOIST HEADER	K KO L LB LG LT WT LL LOC LONG LLH LLV LLBB LW LGS MFR MAS MCJ MO MAX MECH MEMB MTL MEZZ MIN MISC MONO NS NIC NTS NO NFS OC OPP OD OF OH PERP PL PT PVC PT PSF PSI PC PROJ	KIP (1000 POUNDS) KNOCK OUT ANGLE POUND LENGTH, LONG LIGHTWEIGHT LIVE LOAD LOCATION LONGITUDINAL LONG LEG HORIZONTAL LONG LEG VERTICAL LONG LEG BACK TO BACK LONG WAY LIGHT GAUGE STEEL MANUFACTURER MASONRY MASONRY CONTROL JOINT MASONRY OPENING MAXIMUM MECHANICAL MEMBRANE METAL MEZZANINE MINIMUM MISCELLANEOUS MONOLITHIC NEAR SIDE NOT IN CONTRACT NOT TO SCALE NUMBER NON FROST SUSCEPTIBLE ON CENTER OPENING OPPOSITE OUTSIDE DIAMETER OUTSIDE FACE OVERHEAD PERPENDICULAR PLATE POINT POLYVINYL CHLORIDE POST—TENSIONED POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRECAST PROJECTION	R REF REINF REQD REV RD RO RTU W SC SCHED SECT SHT SIM SLBB SOG SPAC SQ SF STIL JST STILF STIR STRUCT SW SYM TEMP STL T & B TO OR TYP UNO VERT WND WT WWF W W/O WP	RADIUS, REACTION REFERENCE REINFORCE, REINFORCING REQUIRED REVERSE OR REVISION ROOF DRAIN ROUGH OPENING ROOF TOP UNIT REINFORCED WITH SLIP CRITICAL SCHEDULE SECTION SHEET SIMILAR SHORT LEG BACK TO BACK SLAB ON GRADE SPACED AT SPACES SPECIFICATIONS SQUARE SQUARE SQUARE FOOT/FEET STANDARD STEEL STEEL JOIST STIFFENER STIRRUPS STRUCTURAL SHORT WAY SYMMETRICAL TEMPERATURE STEEL TOP AND BOTTOM TOP OF TOP OF FOOTING ELEVATION TOTAL LOAD TRANSVERSE TOP OF SLAB ELEVATION TOTAL LOAD TRANSVERSE TOP OF SLAB ELEVATION TYPICAL WINDOW WEIGHT WELDED WIRE FABRIC WITH WITHOUT WORK POINT	

CONCRETE REINFORCEMENT PROTECTION						
EXPOSURE	STRUCTURAL ELEMENTS	BAR SIZE	CLEAR COVER			
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	ALL	ALL	3"			
CONCRETE EXPOSED TO EARTH OR WEATHER	ALL	NO. 6 THRU NO. 18 BARS NO. 5 BAR, W31 OR D31 WIRE AND SMALLER	2" 1 1/2"			
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLABS, WALLS, JOISTS	NO. 14 AND NO. 18 BARS NO. 11 BAR AND SMALLER	1 1/2" 3/4"			
	BEAMS, COLUMNS	PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"			

STANDARD CONC	CRETE REINFORCING HOOKS
POINT OF TANGENCY 4Db (OR 2 1/2" MIN) #3 - #8 5Db #9 - #11	POINT OF TANGENCY STIRRUP AND TIE ANCHORAGE WITH 90° OR 135° BEND
POINT OF TANGENCY 90° BEND	

CONCRETE REINFORCEMENT TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

BAR SIZE	LAP SPLICE	CONCRETE COVER = 0.75"		CONCRETE COVER = 1.00"		CONCRETE COVER = 1.50"		CONCRETE COVER ≥ 2.00"	
	CLASS	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	Α	12	12	12	12	12	12	12	12
#3	В	16	16	16	16	16	16	16	16
#4	Α	19	15	15	12	15	12	15	12
π¬	В	24	19	20	16	20	16	20	16
# 5	Α	28	21	22	17	19	15	19	15
π >	В	36	28	29	22	24	19	24	19
#6	Α	37	29	31	24	22	17	22	17
#∪	В	48	37	40	31	29	22	29	22
#7	Α	60	46	50	38	37	28	33	25
π,	В	78	60	64	50	48	37	42	33
#8	Α	74	57	62	48	47	36	37	29
#0	В	96	74	80	62	60	47	48	37
#9	Α	90	69	76	58	57	44	46	36
ĦЭ	В	117	90	98	76	74	57	60	46
#10	Α	108	83	92	70	70	54	57	44
π 10	В	140	108	119	92	91	70	74	57
#11	Α	127	98	108	83	84	64	68	53
#''	В	165	127	141	108	109	84	89	68

1. TABULATED VALUES ARE BASED ON GRADE 60 UNCOATED REINFORCING BARS

AND 4000 PSI NORMAL WEIGHT CONCRETE. LENGTHS ARE IN INCHES. 2. TENSION DEVELOPMENT LENGTH AND LAP SPLICE LENGTHS ARE CALCULATED

PER ACI 25.4.2.3 AND 25.5.2.1.

3. TENSION DEVELOPMENT LENGTH = $1.0 \times CLASS A LAP SPLICE$ 4. FOR 3000 PSI AND 5000 PSI CONCRETE, MULTIPLY THE TABULATED VALUES

BY 1.16 AND 0.90 RESPECTIVELY. 5. BAR c. - c. SPACING WAS ASSUMED TO BE GREATER THAN TWICE THE

CONCRETE COVER PLUS ONE BAR DIAMETER.

6. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 INCHES

OF CONCRETE CAST BELOW THE BARS.

7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES

8. FOR EPOXY COATED REBAR, MULTIPLY THE TABULATED VALUES BY 1.2. 9. FOR LAP SPLICE LENGTHS IN MASONRY SEE MASONRY NOTES.

10. COVER IS CLEAR DISTANCE FROM THE CONCRETE SURFACE TO OUTERMOST SURFACE OF REINFORCING.

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	STRUCTURAL SHEET INDEX
\$0.0	GENERAL STRUCTURAL NOTES, ABBREVIATIONS
S1.0	SPA / EXISTING BUILDING PLAN
S2.0	CONCRETE MAT PLAN, SECTION AND DETAILS

JOB No: 251107 DATE: 6-6-25 DRAWN BY: DLB designed by: BN

