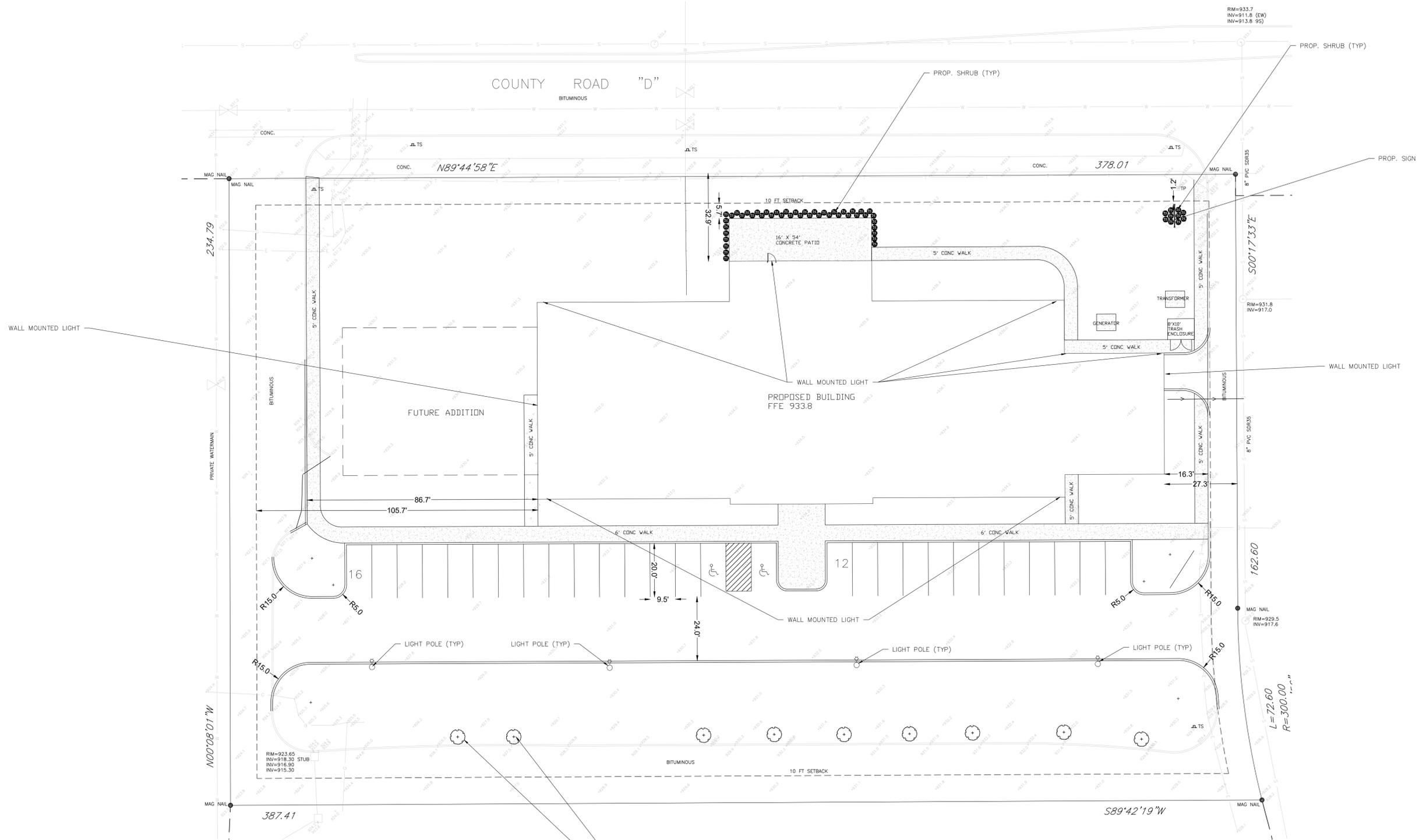


LANDSCAPE AND LIGHTING PLAN

MAPLEWOOD ASSISTED LIVING



LANDSCAPING TABLE

COMMON NAME/SCIENTIFIC NAME	MIN. REQMT.	QTY (EA)
HACKBERRY/CELTIS OCCIDENTALIS	2" B&B	9
AMERICAN CRANBERRY BUSH VIBURNUM/VIBURNUM TRILOBUM COMPACTA		24
ANTHONY WATERER SPIREA/SPIRACA JAPONICA		31

OVERSTORY TREE (TYP)(9)
30 FT - 40 FT SPACING

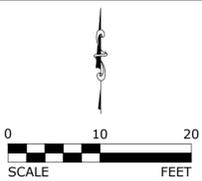
EROSION CONTROL AND LANDSCAPING NOTES:
 1. ALL DISTURBED AREAS TO BE SEEDED AND MULCHED. 4IN MIN TOPSOIL.
 2. MULCH TYPE 1 (DISK ANCHORED) IN DISTURBED AREAS
 3. SEED MNDOT TYPE 35-221, AT A RATE OF 36.5 LB/AC
 4. ALL SLOPES STEEPER THAN 4:1, SHALL BE RESTORED WITH SEED AND PROTECTED WITH EROSION CONTROL BLANKET PER MNDOT SPEC. 3885.1 OR SODDED AND STAKED.

NO.	DATE	BY	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRELIMINARY
 KRISTLE L. BLOCH
 2-16-2022
 DATE
 49893
 LIC. NO.

MAPLEWOOD ASSISTED LIVING
 1744 CO RD D
 MAPLEWOOD, MN
 OWNER: MAIXIA VANG



BLOCH ENGINEERING
 BLOCH ENGINEERING, PLLC
 blochengineering.com
 32210 XEON ST NW
 CAMBRIDGE, MN 55008
 krystle@blochengineering.com

DRAWN BY: KLB
 CHECKED BY: KLB
 DESIGNED BY: KLB
 JOB NO. 22-04
 DATE: 2-16-22
 SHEET C5
 SHEETS 7

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

PROJECT DESCRIPTION:

The existing site is a total of 2.04 acres, but only 1.7 acres are being regraded. The remaining portion of the lot is existing paved roadway, and will remain in place. Runoff from this site is routed to proposed infiltration ponds on the south side of the property, as well as two smaller basins on the north to intercept runoff from the northern half of the roof. Grading, infiltration, and paving will be installed as part of this project along with building construction.

SWPPP IMPLEMENTATION

The Project Engineer and the Contractor are responsible for implementation of the SWPPP and the installation, inspection, and maintenance of the erosion prevention and sediment control BMPs before and during construction. The Contractor will have an Erosion Control Supervisor who is responsible for coordinating the erosion prevention and sediment control BMPs.

PROJECT CONTACT IMPLEMENTATION/MAINTENANCE:

Erosion and Sediment Control, BMP Inspection Performed By:
xxx
xxx LLC
xxx, MN 5xxx

Long Term Pond Maintenance Provided By:
Maxia Vang

TIMING OF BMP INSTALLATION

The erosion prevention and sediment control BMPs shall be installed as necessary to minimize erosion from disturbed surfaces and capture sediment on site.

- Erosion and sediment control BMPs must be installed prior to the start of construction.
- Where applicable, disturbed areas will immediately be temporarily stabilized prior to permanent turf establishment whenever construction ceases for 7 days, with special consideration of areas within 200 feet continuous positive slope of a surface water.
- Temporary or permanent energy dissipation shall be placed at pipe outlets within 24 hours after connection to a surface water.
- Temporary stabilization of stockpiles must be initiated immediately to limit soil erosion whenever any construction activity has permanently ceased on any portion of the site and will not resume for a period exceeding 7 calendar days.
- Planned slopes of 1:3 (V:H) or steeper and greater than 75 ft. in length will be temporarily or permanently stabilized in increments not to exceed 75 ft., prior to constructing or disturbing a new increment.
- BMPs must remain in place until final stabilization is achieved and permit NOT has been submitted to the MPCA.
- The normal wetted perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site, or diverts around the site, must be stabilized within 200 lineal feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 lineal feet must be completed within 24 hours after connecting to a surface water.

CALCULATIONS:

Total Lot(s) Area = 2.04 Ac
Total Area of Grading = 1.7 Ac
Total Existing Impervious = 0 Square Feet
Total New Impervious = 39,950 Square Feet

WATER QUALITY VOLUME = (1.1")(1'/12")(39,950 SF) = 3,663 CF

SOIL TYPES:

Majority A Soils (Web Soil Survey)

CONSTRUCTION SEQUENCE:

Construction to begin spring 2022. Silt fence around where specified and Rock entrances to be installed before any of the following scheduled events take place. Existing structures shall also be protected from sediment from the start of construction.

- Grading
- Building Constructed
- Parking and Drive aisle Constructed
- Infiltration basin(s) constructed
- Landscaping and Turf Restoration

Construction completion expected Fall 2022. All temporary erosion control measures will be removed and disposed of according to MPCA requirements. Final stabilization will be established.

If construction is not completed before winter, stockpiles and any slopes must be stabilized with appropriate BMPs (mulch, seed, erosion control blanket) as applicable to avoid erosion in the following spring season.

See NPDES CWS Permit Part 11 for inspection frequency adjustments throughout the course of scheduled construction.

IMPAIRED AND SPECIAL WATERS

No special or impaired waters within one mile of discharge point.

KARST AREA PROTECTION:

This area is not considered Karst area.

CALCAREOUS FENS:

No calcareous Fen sites exist on this project.

MITIGATION DUE TO REVIEWS:

There are no stormwater mitigation measures proposed as part of environmental, endangered species, archaeological or other required local, state or federal reviews conducted for the project.

EROSION CONTROL QUANTITIES:

EROSION CONTROL QUANTITIES		
	UNIT	QUANTITY
SILT FENCE	EACH	xxx
TEMP. CONSTRUCTION EXIT	EACH	1

<p style="font-size: small; text-align: center;">I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p style="text-align: center;">PRELIMINARY KRISTLE L. BLOCH 2-16-2022 DATE</p> <p style="text-align: right;">49893 LIC. NO.</p>	<p style="text-align: center;">MAPLEWOOD ASSISTED LIVING 1744 CO RD D MAPLEWOOD, MN OWNER: MAIXIA VANG</p>
	
	
	
BLOCH ENGINEERING, PLLC blochenengineering.com 32210 XEON ST NW CAMBRIDGE, MN 55008 krystle@blochenengineering.com	
DRAWN BY: KLB CHECKED BY: KLB DESIGNED BY: KLB	
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SHEET	SHEETS
C6	7

