## Municipal Landscape Requirements:

Business District - Take 5

**Site Tree Requirements:**
1 Tree per 50 LF of Site Perimeter
or
1 Tree per 1,000 SF of Building Footprint
whichever is greater

**Site Shrub Requirements:**
1 Shrub per 30 LF of Site Perimeter
or
1 Shrub per 300 SF of Building Footprint
whichever is greater

**Road Frontage Plantings*:**
1 Overstory Tree per 35 LF of Public Rd Frontage
*These plantings are credited toward the minimum planting requirements

**Parking Lot Plantings*:**
1 Tree per 10 Parking Spaces
*These plantings are credited toward the minimum planting requirements

**Site Requirement Calculations:**

Site Perimeter: approx. 808 LF
Building Footprint: approx. 1,860 SF

808 / 50 = 16 Trees or 1,860 / 1,000 = 1 Tree

808 / 30 = 26 Shrubs or 1,860 / 300 = 6 Shrubs

Public Rd Frontage: None

Parking Spaces: 12 Stalls

12 / 10 = 1 Parking Lot Tree*
*These plantings are credited toward the minimum planting requirements

**Additional Requirements:**

Tree Diversity:
-Minimum 25% Deciduous Overstory
-Minimum 25% Coniferous
-Maximum 25% Ornamental

Minimum Plant Sizes:
-2" Deciduous Overstory
-6' Hgt. Coniferous Tree
-1.5" Ornamental Tree
-24" Shrub (width or height)

Landscape rock is prohibited in landscape islands

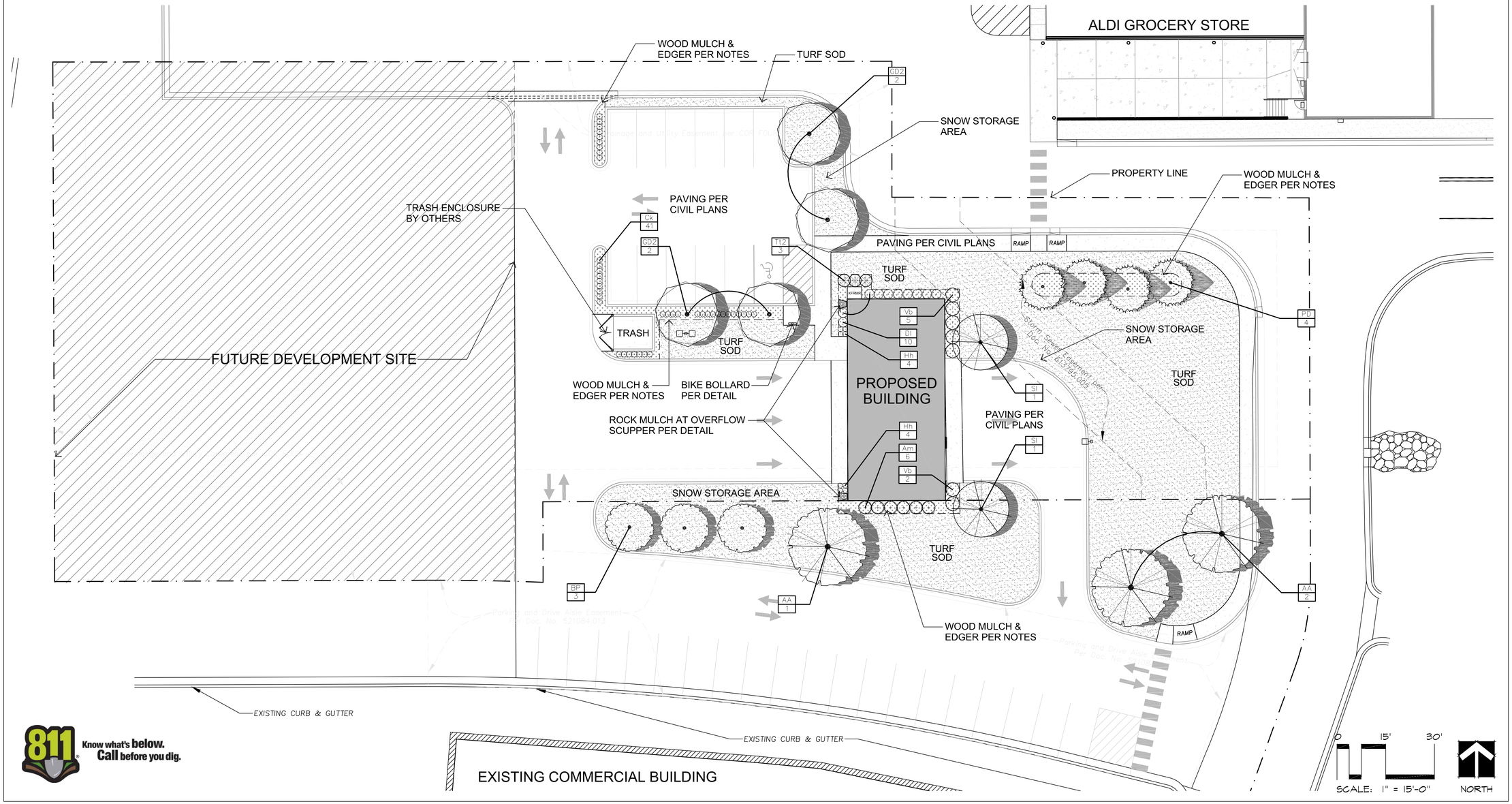
## General Notes:

1. Landscape contractor to provide a new irrigation layout plan for the property. See Landscape Notes.
2. See Civil Engineer's plans for grading layout and requirements
3. Contractor to coordinate any work in the right-of-way with City of Ramsey Public Works Department.
4. Sod all disturbed areas except plant beds and areas noted to receive mulch.
5. Place a minimum of 4" topsoil, with not more than 35% and content. Topsoil inspection is required prior to installing sod and trees.
6. See Sheet L2.1 for Landscape Details, Notes, and Schedules.
7. Landscape contractor is responsible for verification of soils and graded condition prior to mobilization and shall notify the General Contractor if earthwork is not acceptable. Landscape contractor is responsible for fine grading, or grade to within 1" of final set elevation.

## Landscape Legend:

New Turf Sod

New Wood Mulch

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# Take 5 Oil

7990 Sunwood Dr. NW
Ramsey, MN 55303

project #: 024031.00
date: 5/31/2024
drawn by: HL
checked by: BH

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 Landscape Architect under the laws of the State of Minnesota.

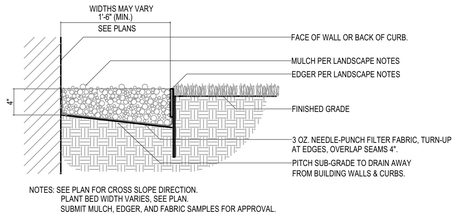
PRELIMINARY

signature:
printed name: Benjamin Hartberg, PLA, LEED AP
reg. #: 48084
sign date:

Preliminary Not For Construction
5/31/2024

| revision / issue | no. | date |
|---|---|---|
| | | |

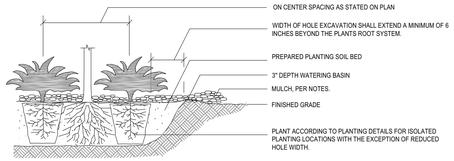
sheet title: Landscape Plan
sheet number: L1.1




NOTES: SEE PLAN FOR CROSS SLOPE DIRECTION.
PLANT BED WIDTH VARIES, SEE PLAN.
SUBMIT MULCH, EDGER, AND FABRIC SAMPLES FOR APPROVAL.

## 1 L2.1 TYP. WOOD MULCH DETAIL

NOT TO SCALE

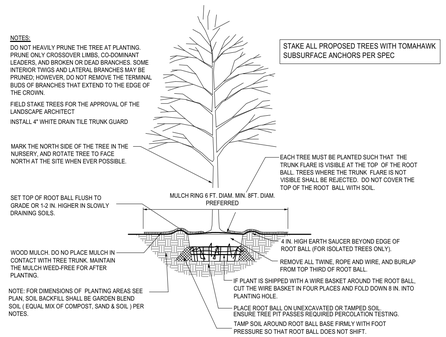



## 2 L2.1 TYP. SHRUB & PERENNIAL PLANTING

NOT TO SCALE

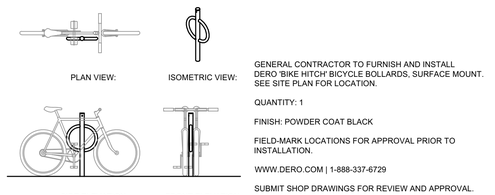
# P LANT SCHEDULE

| SYMBOL | CODE | BOTANICAL NAME | COMMON NAME | SIZE | CONTAINER | QTY |
|---|---|---|---|---|---|---|
| **EVERGREEN TREES** | | | | | | |
| | PD | Picea glauca ` Densata` | Black Hills Spruce | 6` Hgt. | B&B | 4 |
| **OVERSTORY TREE** | | | | | | |
| | AA | Acer x freemanii 'Jeffersred' | Autumn Blaze® Freeman Maple | 2" Cal. | B&B | 3 |
| | BP | Betula platyphylla 'Fargo' | Dakota Pinnacle Birch | 2" Cal. | B&B | 3 |
| | GD2 | Gleditsia triacanthos inermis 'Draves' TM | Street Keeper Honey Locust | 2" Cal. | B&B | 4 |
| **UNDERSTORY TREE** | | | | | | |
| | S1 | Syringa reticulata ` Ivory Silk` | Ivory Silk Japanese Tree Lilac | 1.5" Cal. | B&B | 2 |
| **SHRUBS** | | | | | | |
| | Am | Aronia melanocarpa ` Morton` TM | Iroquis Beauty Black Chokeberry | 5 gal. (Min. 24" Hgt.) | Pot | 6 |
| | Dl | Diervilla lonicera | Dwarf Bush Honeysuckle | 5 gal. (Min. 24" Hgt.) | Pot | 10 |
| | Tt2 | Thuja occidentalis ` Techny Globe` | Techny Globe Arborvitae | 5 gal. (Min. 24" Hgt.) | Pot | 3 |
| | Vb | Viburnum trilobum ` Bailey Compact` | Compact American Cranberry Bush | 5 gal. (Min. 24" Hgt.) | Pot | 7 |
| **ANNUALS/PERENNIALS** | | | | | | |
| | Hh | Hemerocallis x ` Happy Returns` | Happy Returns Daylily | 1 gal. | Pot | 8 |
| **GRASSES** | | | | | | |
| | Ck | Calamagrostis x acutiflora ` Karl Foerster` | Feather Reed Grass | 1 gal. | Pot | 41 |




## 3 L2.1 DECIDUOUS TREE PLANTING - SECTION

NOT TO SCALE




GENERAL CONTRACTOR TO FURNISH AND INSTALL DERO 'BIKE HITCH' BICYCLE BOLLARDS, SURFACE MOUNT. SEE SITE PLAN FOR LOCATION.

QUANTITY: 1

FINISH: POWDER COAT BLACK

FIELD-MARK LOCATIONS FOR APPROVAL PRIOR TO INSTALLATION.

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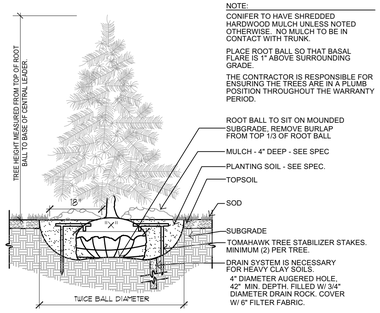
SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL.

## 5 L2.1 BIKE BOLLARD DETAIL

NOT TO SCALE




NOTE:
CONIFER TO HAVE SHREDDED HARDWOOD MULCH UNLESS NOTED OTHERWISE. NO MULCH TO BE IN CONTACT WITH TRUNK.

PLACE ROOT BALL SO THAT BASAL FLARE IS 1" ABOVE SURROUNDING GRADE.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE TREES ARE IN A PLUMB POSITION THROUGHOUT THE WARRANTY PERIOD.

ROOT BALL TO SIT ON MOUNDED SUBGRADE. REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL

MULCH - 4" DEEP - SEE SPEC

PLANTING SOIL - SEE SPEC.

TOPSOIL

SOD

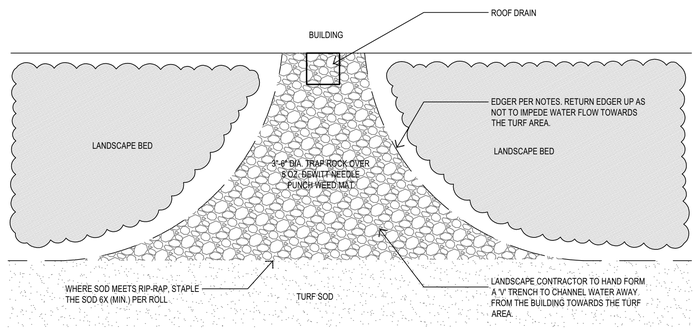
SUBGRADE

TOMAHAWK TREE STABILIZER STAKES. MINIMUM (2) PER TREE.

DRAIN SYSTEM IS NECESSARY FOR HEAVY CLAY SOILS. 4" DIAMETER AUGERED HOLE, 42" MIN. DEPTH. FILLED W/ 3/4" DIAMETER DRAIN ROCK. COVER W/ 6" FILTER FABRIC.

## 4 L2.1 CONIFEROUS TREE PLANTING - SECTION

NOT TO SCALE




PLAN VIEW

## 6 L2.1 ROCK MULCH AT OVERFLOW SCUPPERS DETAIL

NOT TO SCALE

## Landscape Notes & Requirements:

1. Tree saucer mulch to be four inches (4") depth natural single-shred hardwood mulch for trees outside of a plant bed. Install per tree planting detail, including PVC trunk guards.
2. Refer to civil plan sheets for grading, drainage, site dimensions, survey, proposed utilities & erosion control.
3. All plant material shall comply with the latest edition of the American Standard for Nursery Stock, American Association of Nurserymen. Unless noted otherwise, deciduous shrubs shall have at least 5 canes at the specified shrub height. Plant material shall be delivered as specified. Deciduous tree diameter is measured at breast-height (40" above final grade), in accordance with National Forestry and ANSI standards. Coniferous tree height is measured following planting installation, and is measured from final grade to the tip of the central leader. Bidders submitting pricing accept the above measurement conditions.
4. Plan takes precedence over plant schedule if discrepancies in quantities exist.
5. All proposed plants shall be located and staked as shown.
6. The project landscape contractor shall be held responsible for watering and properly handling all plant materials brought on the site both before and after installation. Schedule plant deliveries to coincide with expected installation time within 36 hours.
7. All plant materials shall be fertilized upon installation as specified.
8. The landscape contractor shall provide the owner with a watering schedule appropriate to the project site conditions and to plant material growth requirements.
9. If the landscape contractor is concerned or perceives any deficiencies in the plant selections, soil conditions, drainage or any other site condition that might negatively affect plant establishment, survival or guarantee, they must bring these deficiencies to the attention of the landscape architect & client prior to bid submission. Plant bed drainage concerns during plant installation shall be brought to the attention of the Owner and General Contractor immediately.
10. Contractor shall establish to their satisfaction that soil and compaction conditions are adequate to allow for proper drainage at and around the building site.
11. Contractor is responsible for ongoing maintenance of all newly installed material until time of owner acceptance. Any acts of vandalism or damage which may occur prior to owner acceptance shall be the responsibility of the contractor. Contractor shall provide the owner with a maintenance program including, but not limited to, pruning, fertilization and disease/pest control.
12. The contractor shall guarantee newly planted material through TWO calendar years from the date of passing the City of Ramsey's landscape inspection. Plants that exhibit more than 20% die-back damage shall be replaced at no additional cost to the owner. The contractor shall provide PVC tree trunk guards for all deciduous trees. Landscape contractor shall provide additional deer browse fencing protection measures for the plantings during the warranty period, as needed.
13. This layout plan constitutes our understanding of the landscape requirements listed in the ordinance. Changes and modifications may be requested by the city based on applicant information, public input, council decisions, etc.
14. The landscape contractor shall be responsible for obtaining any permits and coordinating inspections as required throughout the work process.
15. Both plant species substitutions and plan changes to plant locations will require approval of the City of Ramsey prior to installation. Landscape contractor is required to document approved changes.
16. The landscape contractor shall furnish an Irrigation Layout Plan for head-to-head coverage of all tree, turf and shrub planting areas. Use commercial-grade irrigation equipment and provide product cut-sheets and (4) copies of the proposed layout plan to the Owner for review and approval. Coordinate irrigation connection point, controller, back-flow, rain sensor, sleeving, and valve locations with the general contractor. All irrigation systems must include a rain sensor and utilize water efficient technology, such as a weather-smart controller, moisture sensor, etc.
17. All edger shall be professional grade Coyote perforated steel industrial edging, $\frac{1}{8}$" thickness with black finish. Anchor every 18" on-center (minimum). Submit sample.
18. Landscape Contractor is responsible for coordination with the General Contractor, to protect the new improvements on and off-site during landscape work activities. Report any damage to the General Contractor immediately.
19. Mulch: Where noted per plan, wood mulch areas shall receive 4" depth of locally available natural single-shred Western Red Cedar wood mulch over fabric weed mat, per detail. Submit mulch sample for Owner approval. Do not install weed mat under perennials, with the exception of ornamental grasses. Dyed mulch is not accepted.
20. Ensure topsoil inspection is scheduled with the City of Ramsey no less than 5 days before planting is scheduled to occur. Corrections required by the city must be made & approved by the city prior to the start of landscape work.
21. All planting, seeding, and sodded areas shall be prepared prior to installation activities with a harley power box rake or equal to provide a firm planting bed free of stones, sticks, construction debris, etc.
22. Turf installation activity shall conform to all rules and regulations as established in the MnDOT Seeding Manual, 2014 edition, for turf bed preparation, installation, maintenance, and warranty.
23. The Landscape Contractor shall furnish samples of all landscape materials for approval prior to installation.
24. The Landscape Contractor shall clear and grub the underbrush from within the work limits to remove dead branches, leaves, trash, weeds and foreign materials. Remove trees where noted on the plan, including the stump to 30" below grade.
25. The landscape contractor shall contact Gopher State One Call no less than 48 hours before digging for field utility locations.
26. The landscape contractor shall be responsible for the removal of erosion control measures once vegetation has been established to the satisfaction of the municipal staff. This includes silt curtain fencing and sediment logs placed in the landscape.
27. The landscape contractor shall be responsible for visiting the site to become familiar with the conditions prior to bidding and installation. Coordinate with the general contractors on matters such as fine grading, landscaped area conditions, staging areas, irrigation connection to building, etc.
28. See Site and Civil plans for grading, utilities, and additional information regarding the project.
29. Topsoil per City of Ramsey required detail ERO-6 for topsoil requirements. Slope away from building.
30. Landscape contractor must prove the open sub-grade of all planting areas after their excavation is capable of infiltrating a minimum requirement of 1/4-inch of water per hour prior to installation of plant materials, topsoil, irrigation, weed mat, and mulch. Planting areas not capable of meeting this requirement shall have 4" diameter X 48" depth holes augured every 36" on-center and filled with MnDOT Free-Draining Coarse Filter Aggregate. Re-test sub-grade percolation for compliance to infiltration minimum requirement.
31. Fencing (if noted) per Architect's Plans and Specifications.
32. All disturbed areas are to receive turf sod to establish final vegetation.

Notes:
1. INSTALLATION OF 4" OF TOPSOIL REQUIRED ACROSS ALL DISTURBED AREAS.
2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UNDECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.
3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE PERCENT (35%) SAND CONTENT.

| APPROVED: 7 – 2019 | City of RAMSEY | STANDARD DETAILS: TOPSOIL REQUIREMENTS |
|---|---|---|
| | | CITY PLATE No. ERO–6 |

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Phone: (651) 788-9018
www.calyxdesigngroup.com

# Take 5 Oil

7990 Sunwood Dr. NW
Ramsey, MN 55303

project #: 024031.00
date: 5/31/2024
drawn by: HL
checked by: BH

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 Landscape Architect under the laws of the State of Minnesota.

PRELIMINARY

signature:
printed name: Benjamin Hartberg, PLA, LEED AP
reg. #: 48084
sign date:

Preliminary Not For Construction
5/31/2024

| revision / issue | no. | date |
|---|---|---|
| | | |

sheet title: Landscape Details
sheet number: L2.1