



Buffalo Point

BUFFALO, MN

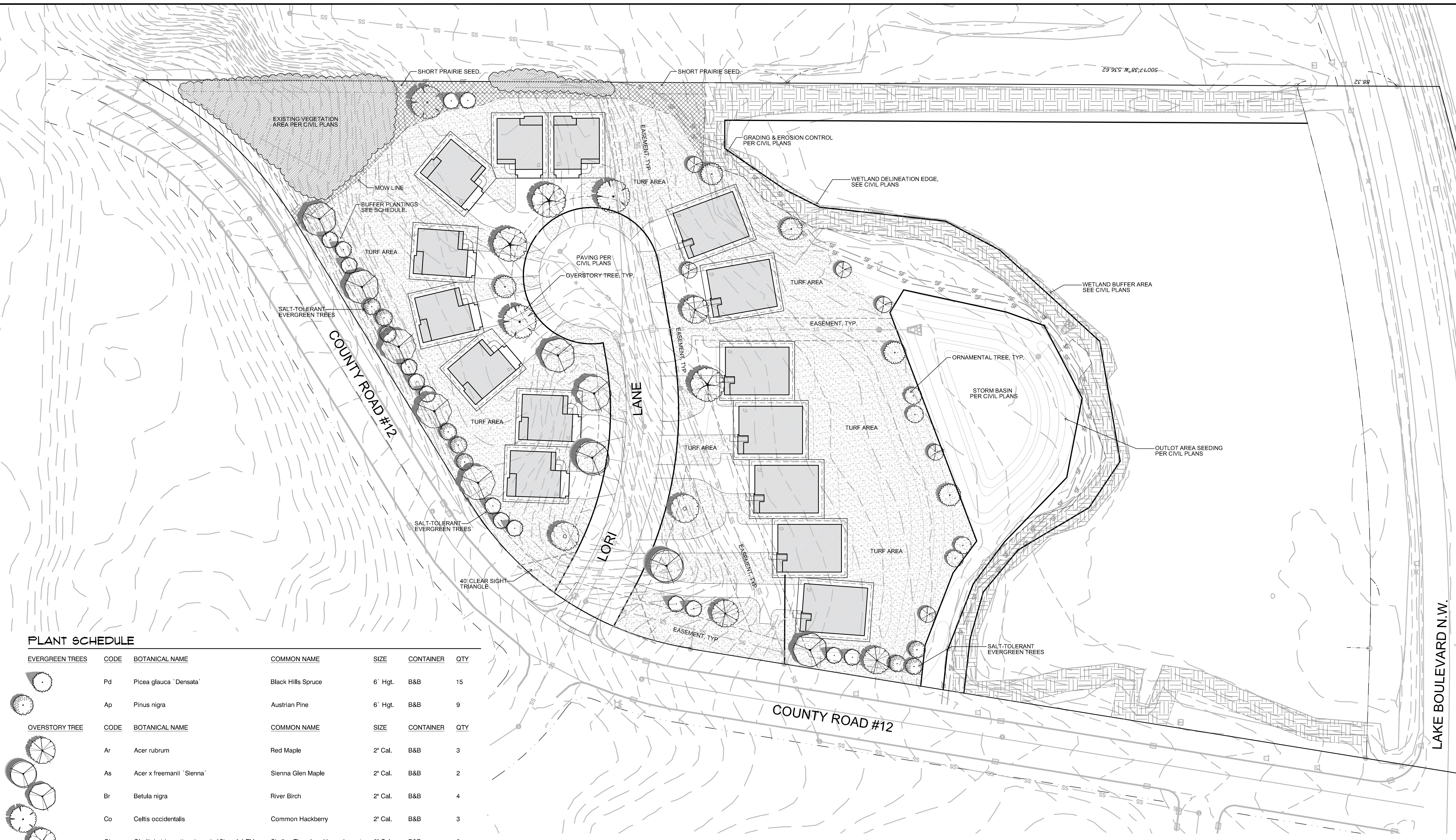
Certification:
 I hereby certify that this plan, specification or report was prepared by me or direct supervision and I am a Licensed Landscape Architect in the State of Minnesota.
 Signature: _____
 Title: _____

SCALE: AS NOTED
 DATE: 04/27/2022
 REVISIONS:

LANDSCAPE PLAN

CITY REVIEW

L1.1



PLANT SCHEDULE

EVERGREEN TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
	Pd	Picea glauca 'Densata'	Black Hills Spruce	6' Hgt.	B&B	15
	Ap	Pinus nigra	Austrian Pine	6' Hgt.	B&B	9
OVERSTORY TREE	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
	Ar	Acer rubrum	Red Maple	2" Cal.	B&B	3
	As	Acer x freemanii 'Sienna'	Sienna Glen Maple	2" Cal.	B&B	2
	Br	Betula nigra	River Birch	2" Cal.	B&B	4
	Co	Celtis occidentalis	Common Hackberry	2" Cal.	B&B	3
	Gi	Gleditsia triacanthos inermis 'Skycole'™	Skyline Thornless Honey Locust	2" Cal.	B&B	3
	Or	Quercus rubra	Northern Red Oak	2" Cal.	B&B	4
	Ts	Tilia americana 'Sentry'	Sentry Linden	2" Cal.	B&B	2
ORNAMENTAL TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
	Ag	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	6' Hgt.	B&B	6
	Ov	Ostrya virginiana	Ironwood	1.5" Cal.	B&B	5
	Pp2	Prunus pensylvanica	Pin Cherry	1.5" Cal.	B&B	4

TURF AREA
 SHORT PRAIRIE AREA

MUNICIPAL LANDSCAPE CALCULATIONS:

Minimum Planting Sizes
 Coniferous Trees: 6' Hgt. (2.0" Cal Eq.)
 Ornamental Trees: 1.5" Cal.
 Shade/Deciduous Island Trees: 1.5" Cal.
 Shade/Deciduous Overstory Trees: 2.0" Cal.
 Shrubs: 18"-24" Hgt.

City of Buffalo Single and Two-Family Parcels
 Two (2) Overstory Trees Per Home
 Development Trees Required: 30
Development Trees Provided: 30 (53 caliper inches)
 Buffer Trees Provided: 30 (60 caliper inches)
 Existing Tree Area to be Cleared: .67ac.
 Existing Tree Area to Remain: .69 ac.

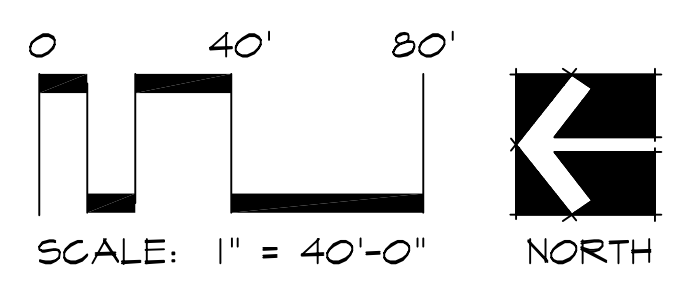
CONIFEROUS TREE DATA:

Plants Tolerant Of Salt

Evergreens	_____
Pine, Austrian	_____
Spruce, Black Hills	_____

GENERAL NOTES:

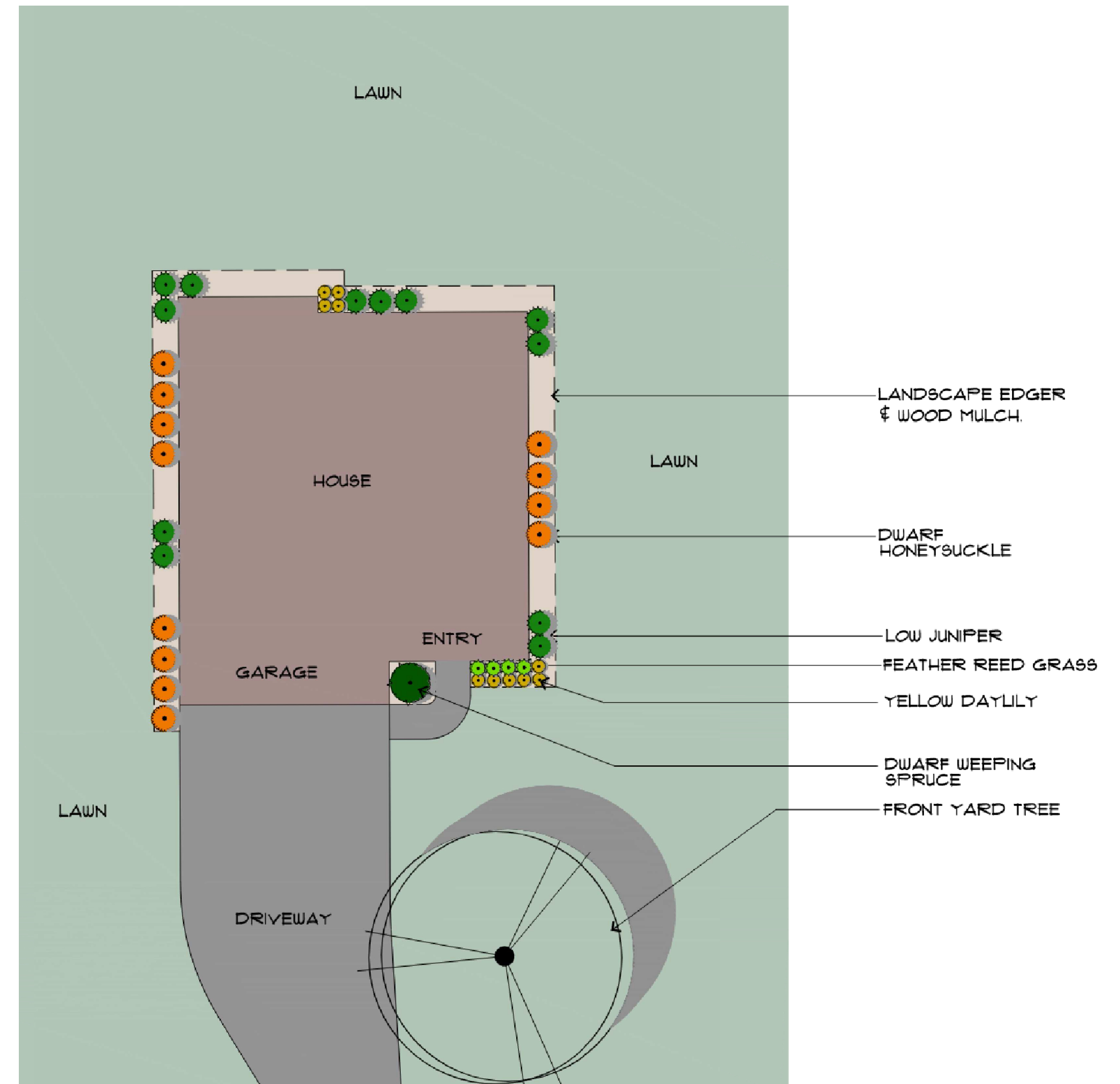
1. Refer to Sheet L1.2 for Details and Notes.
2. Contractor to coordinate work in the city easement or right-of-way with City of Buffalo
3. Protect existing trees to remain from damage during construction.
4. Place a minimum of 4" topsoil or slope dressing on all areas disturbed by construction, including right-of-way boulevards, unless specified otherwise. Re-use stripped topsoil.
5. Protect existing paving during landscape installation.



LANDSCAPE NOTES:

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.
2. Refer to civil plan sheets for grading, drainage, site dimensions, survey, tree removal, 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. All deciduous trees are measured at 48" from finished grade to determine tree diameter (DBH). All coniferous trees are measured from finished grade to the top of the central leader. If no central leader is present on coniferous trees, that plant is rejected and must be replaced immediately.
4. Plan takes precedence over plant schedule if discrepancies in quantities exist.
5. The "Contractor" is the individual or company responsible for performing the work as noted in this plan set. This may be a landscaper, earthwork contractor, or other trade under contract with the Owner or General Contractor.
6. Adjustment in location of proposed plant material may be needed in field. Should an adjustment be required, the client will provide field approval. Significant changes may require city review and approval.
7. 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.
8. This plan assumes the company responsible for installing turf and trees is also responsible for providing the planting soil and "fine grading" in all landscape areas. This also includes clearing, grubbing, excavation, and the import & spreading of planting soil.
9. The landscape contractor shall provide the owner with a watering schedule appropriate to the project site conditions and to plant material growth requirements.
10. 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.
11. Contractor shall establish to his/ her satisfaction that soil and compaction conditions are adequate to allow for proper drainage at and around the building site.
12. Contractor is responsible for ongoing maintenance of all newly installed material until time of owner acceptance or for 30 days after installation, whichever comes first. This includes watering, mowing, etc. 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.
13. Warranty: The contractor shall guarantee newly planted material through one calendar year from the date of written owner acceptance. Plants that exhibit more than 25% die-back damage shall be replaced at no additional cost to the owner. The contractor shall also provide adequate tree wrap and deer/rodent protection measures for the plantings during the warranty period.
14. 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.
15. The landscape contractor shall be responsible for obtaining any permits and coordinating inspections as required throughout the work process.
16. Plant size & species substitutions must be approved in writing prior to acceptance in the field.
17. All edger shall be professional grade perforated steel edger, 1/8" thick, Coyote or Equal. Anchor every 18" on-center (minimum). Submit sample. All mulch to be locally-available, single-shred hardwood free of twigs, leaves, and foreign matter. Submit samples of wood and rock mulch for Owner review and final selection.
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. Irrigation: Landscape contractor shall furnish and install an underground irrigation system for the new turf area shown. Provide head-to-head coverage using commercial grade irrigation products. Coordinate with the Owner regarding water connection point, controller, and wired rain sensor locations. Submit proposed irrigation layout plan to the Owner for review and approval. Coordinate required sleeving under paved areas with the General Contractor and paving sub-contractor.
20. All seed/sod areas shall be prepared prior to planting with a harley power box rake or equal to provide a firm planting bed free of stones, sticks, construction debris, etc. Any alternate seed mixtures, rates, & application method noted shall be submitted to the landscape architect for approval.
21. The Landscape Contractor shall furnish samples of all landscape materials for approval prior to installation.
22. 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.
23. The landscape contractor shall contact Gopher State One Call no less than 48 hours before digging for field utility locations.
24. 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.
25. The Landscape Contractor shall establish to his/ her satisfaction that the earthwork is complete, topsoil spread to correct depth, and compaction conditions are adequate to allow for proper drainage at and around the building site. Notify the General Contractor immediately if soil conditions left by the earthwork sub-contractor are not satisfactory. No additional compensation will be paid for discrepancies due to earthwork once the landscape contractor begins plant material installation.
26. 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.

TYPICAL FOUNDATION LANDSCAPE LAYOUT:



NOTES:

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

FIELD STAKE TREE LOCATIONS FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT

INSTALL 6" WHITE PERFORATED FIELD TILE TRUNK GUARDS BY OCTOBER 15.

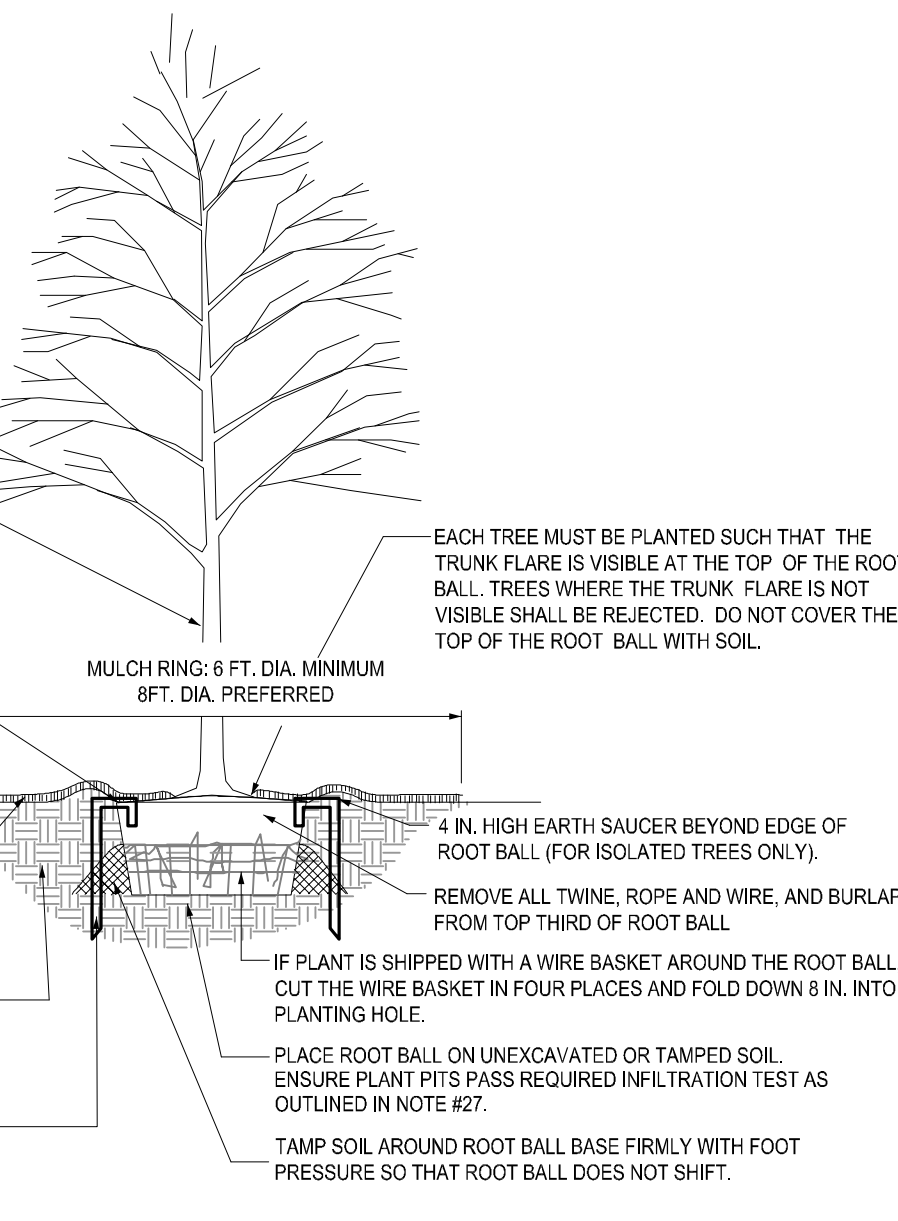
MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.

SET TOP OF ROOT BALL FLUSH TO GRADE OR 1-2 IN. HIGHER IN SLOWLY DRAINING SOILS.

WOOD MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH WEED-FREE FOR AFTER PLANTING.

NOTE: FOR DIMENSIONS OF PLANTING AREAS SEE PLAN. SOIL BACKFILL SHALL BE GARDEN BLEND SOIL (EQUAL MIX OF COMPOST, SAND & SOIL.) PER NOTES.

INSTALL TOMAHAWK SUB-SURFACE TREE ROOT BALL STABILIZER HOOKS. MINIMUM OF (2) PER TREE. ABOVE-GRADE STAKES AND GUY WIRES ARE STRICTLY PROHIBITED.



1 DECIDUOUS TREE PLANTING - SECTION
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.

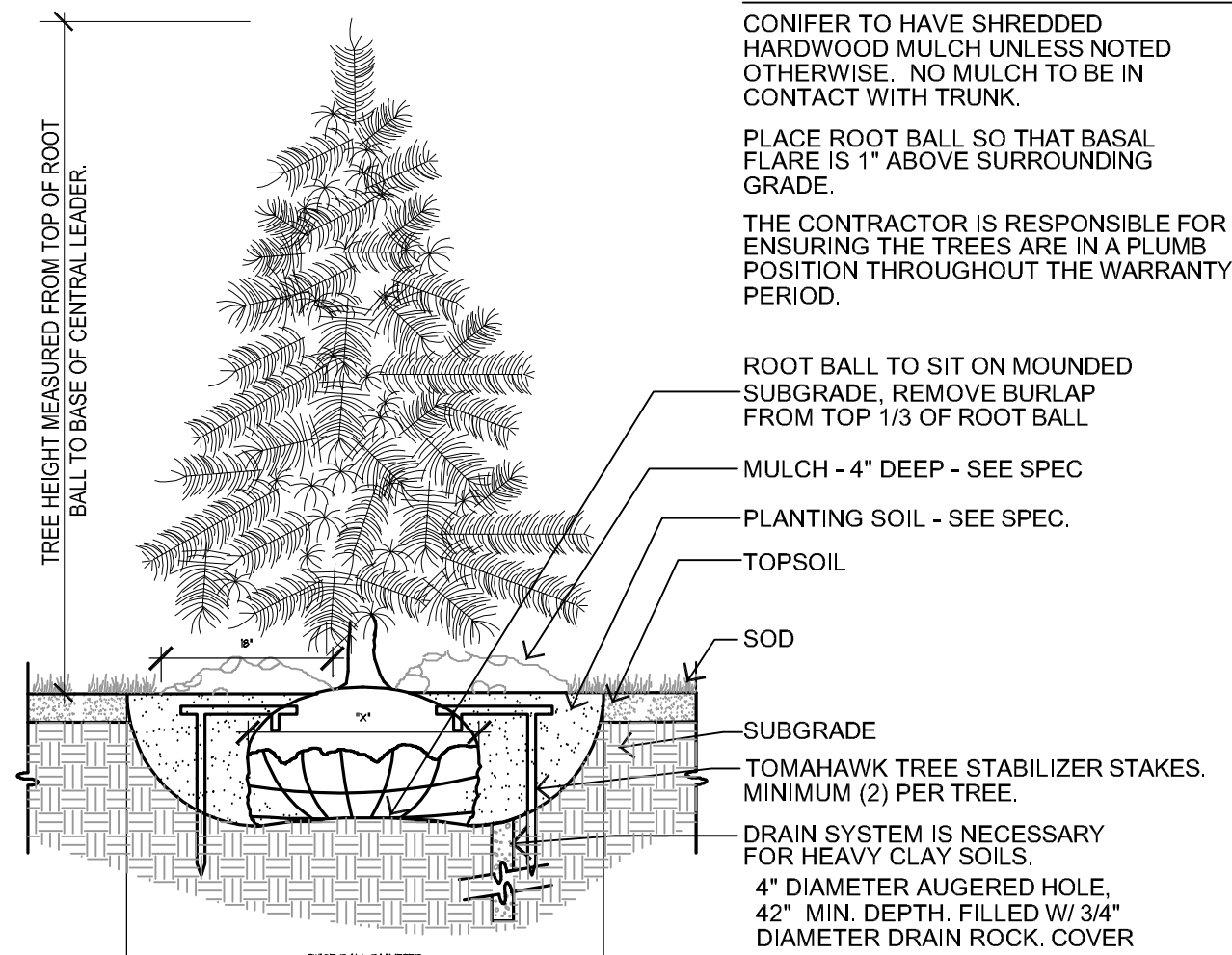
TOPSOIL

SOD

TOMAHAWK TREE STABILIZER STAKES. MINIMUM (2) PER TREE

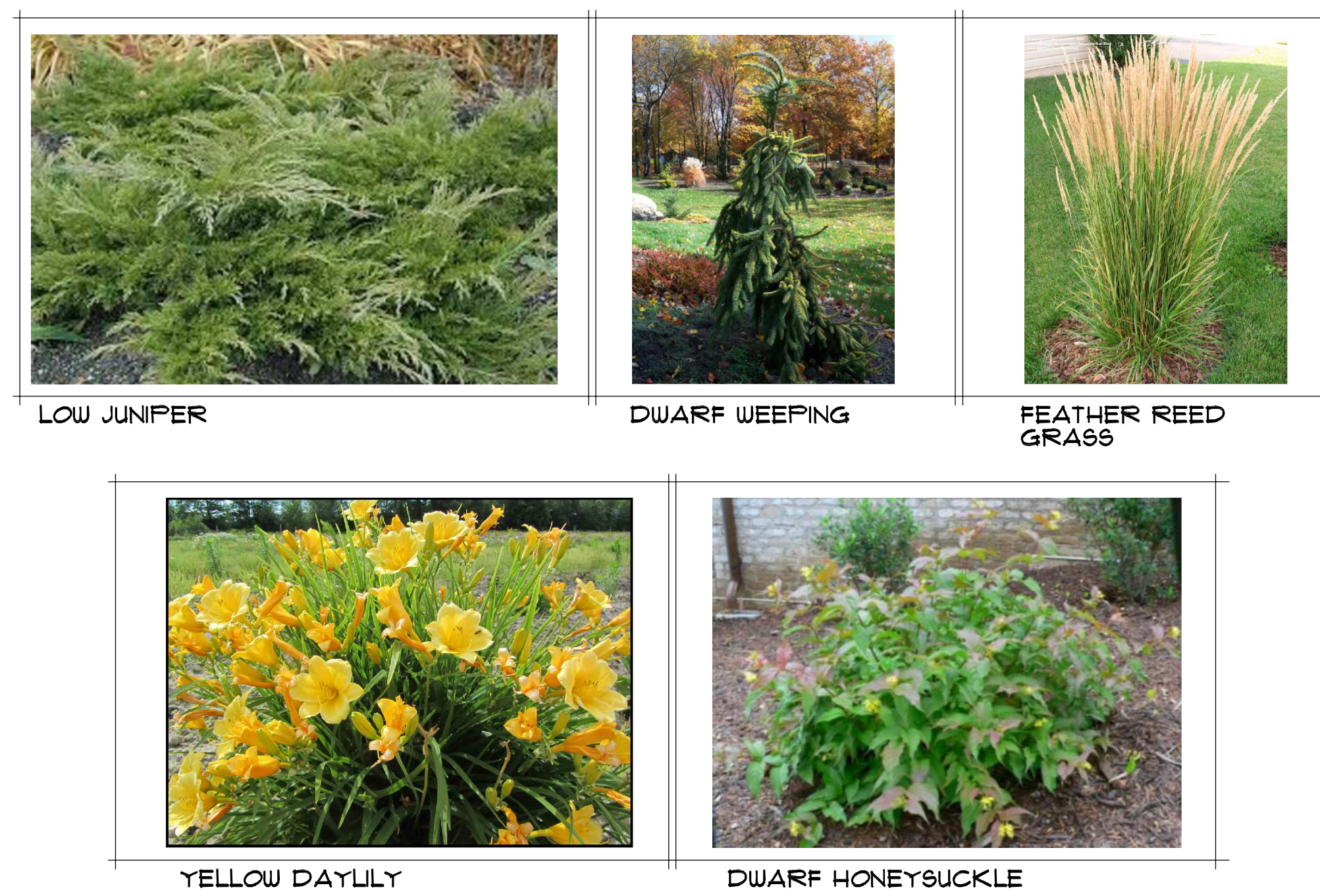
DRAIN SYSTEM IS NECESSARY FOR HEAVY CLAY SOILS.

4" DIAMETER AUGERED HOLE, 42" MIN. DEPTH, FILLED W/ 3/4" DIAMETER DRAIN ROCK. COVER W/ 6" FILTER FABRIC.



2 CONIFEROUS TREE PLANTING - SECTION
NOT TO SCALE

TYPICAL FOUNDATION LANDSCAPE PLANTS:



CALYX

DESIGN GROUP
Landscape Architecture
Urban Design
Planning

475 Cleveland Avenue N | Suite 101A
St. Paul, MN 55104

Telephone: 651.788.9018
Internet: www.calyxdesigngroup.com



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Certification:

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Signature: _____
Date: _____ MN License # _____

SCALE: AS NOTED

DATE: 04/27/2022

REVISIONS:

LANDSCAPE DETAILS

CITY REVIEW

L1.2

