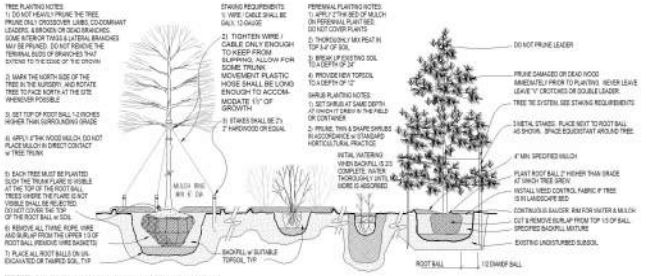
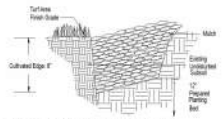
1 LANDSCAPE PLAN
SCALE: 1"=60'-0"



2 PLANTING INSTALLATION DETAILS
SCALE: NTS



3 CULTIVATED EDGE DETAIL
SCALE: NTS

Landscape Calculations

Street Trees: One tree per 40 feet of public or private street frontage. (Totals shown below combine both sides of the road, minus intersecting streets)

161st Street = 1,332 LF.	33 Trees required.	33 Trees provided.
Twilight Lane= 2,414 LF.	60 Trees required.	60 Trees provided.
161st Terrace = 2,236 LF.	56 Trees required.	56 Trees provided.
Kaw Street = 810 LF.	20 Trees required.	20 Trees provided.
161st Court = 1,484 LF.	37 Trees required.	37 Trees provided.
162nd Street = 1,386 LF.	35 Trees required.	35 Trees provided.

REQUIREMENTS MET.

Buffer Plantings: A minimum for each 100 linear feet or portion thereof of thoroughfare or super-collector frontage.
a) Eight (8) evergreen (conifers) trees with a minimum size of six (6) feet inheight;
b) Two (2) shade trees with a minimum caliper of two (2) inches as measured six (6) inches above the ground;
c) One (1) ornamental tree with a minimum size of 1.5" Caliper.

1,232 LF of road along Lackman Road
99 Evergreens Required - 99 Provided
25 Shade trees required - 25 Provided
12 Ornamental trees required - 12 Provided
REQUIREMENTS MET.

SITE DISTANCE TRIANGLES: Triangles are shown on the plan. There are no shrubs located in those areas. Trees shall be limbed up to 6' height for visibility.

STREET TREE PLANTING LOCATION REQUIREMENTS (Min. Distances):
1. Not located in the site distance triangle.
2. 10 feet from box culverts.
3. 15 feet in front of regulatory signs.
4. 10 feet behind regulatory signs.
5. 20 feet from streetlight poles.
6. 10 feet from fire hydrants.

Planting Notes

1. Location of all existing utilities needs to done before commencing work.
2. The planting plan graphically illustrates overall plant massings. Each plant species massing shall be placed in the field to utilize the greatest coverage of ground plane. The following applies for individual plantings:
a. Creeping groundcover shall be a minimum of 6" from paving edge.
b. All trees shall be a minimum of 3' from paving edge.
c. All plants of the same species shall be equally spaced apart and placed for best aesthetic viewing.
d. All shrubs shall be a minimum of 2' from paved edge.
3. Mulch all planting bed areas to a minimum depth of 3". Mulch individual trees to a minimum depth of 4".
4. Note: If plants are not labeled - they are existing and shall remain.
5. In the event of work in or on a JCW sanitary main, any trees or plantings placed within the sewer easement may be removed without replacement or compensation there-of and shall be replaced by the property owner as required by the City.
6. All landscaped areas in ROW shall be sodded and irrigated unless otherwise specified.

Materials:
1. Plant material shall be healthy, vigorous, and free of disease and insects as per AAN standards.
2. Shredded bark mulch installed at trees shall be finely chipped and shredded hardwood chips, consisting of pure wood products and free of all other foreign substances. Pine bark compost mulch installed at planting bed areas shall be free of all other foreign substances.

Installation:
1. All planting beds shall be amended with 1 cubic yard of peat moss per 1,000 square feet. Till peat moss into soil to a 6" depth. A 10-10-10 fertilizer shall be spread over all planting areas prior to planting, at a rate of 50 pounds per 2,000 square feet.
2. After plants have been installed, all planting beds shall be treated with Dacthal pre-emergent herbicide prior to mulch application.
3. Plant pit backfill for trees and shrubs shall be 50% peat or well composted manure and 50% topsoil.
4. Plant material shall be maintained and guaranteed for a period of one year after Owner's acceptance of finished job. All dead or damaged plant material shall be replaced at Landscape Contractor's expense.
6. Landscape contractor shall maintain all plant material until final acceptance, at which point the one year guarantee begins.

City Required Notes

a. No tree, shrub, or woody vegetation will be planted within a distance of 10 feet from any fire hydrant or fire department connection (FDC).
b. No trees will be planted within 15 feet of a streetlight.
c. Any landscape materials to be used for screening must be at least the height of the material that it is intended to screen.
d. All disturbed lawn areas will be sodded.
e. Landscaped areas must be irrigated.
f. The required minimum landscape area must not be located within a utility easement.
g. Exterior ground-mounted or building-mounted utilities must be screened on three sides with plantings at least as tall as the utility box at the time of planting, or an architectural treatment compatible with the building.

Landscape Schedule

Symbol	Qty	Botanical Name	Common Name	Min Root	Min Size	Caliper	Remarks
DECIDUOUS TREES							
	70	Acer rubrum	Red Maple			2.5"	6' min. clear, ground to canopy
	66	Quercus rubra	Northern Red Oak			2.5"	6' min. clear, ground to canopy
	61	Gleditsia triacanthos "Skyline"	Skyline Honeylocust			2.5"	6' min. clear, ground to canopy
	5	Platanus x acerifolia	London Plane Tree			2.5"	6' min. clear, ground to canopy
	97	Acer x freemanii "Autumn Blaze"	Autumn Blaze Maple			2.5"	6' min. clear, ground to canopy
EVERGREEN TREES							
	99	Juniperus chinensis "Hetzii"	Hetzii Juniper		6' Ht.		specimen quality, full form
	66	Juniper virginiana	Eastern Red Cedar		6' Ht.		specimen quality, full form
	33	Picea abies	Norway Spruce		6' Ht.		specimen quality, full form
ORNAMENTAL TREES							
	6	Cercis canadensis	Eastern Redbud			1.5"	
	6	Cornus florida "Cloud Nine"	Cloud 9 Dogwood			2"	
EXISTING TREES/SHRUBS TO BE PRESERVED							

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JASON M. MEIER LICENSED LANDSCAPE ARCHITECT

CLIENT
Lambie Homes
8712 W 151st St,
Overland Park, KS 66221

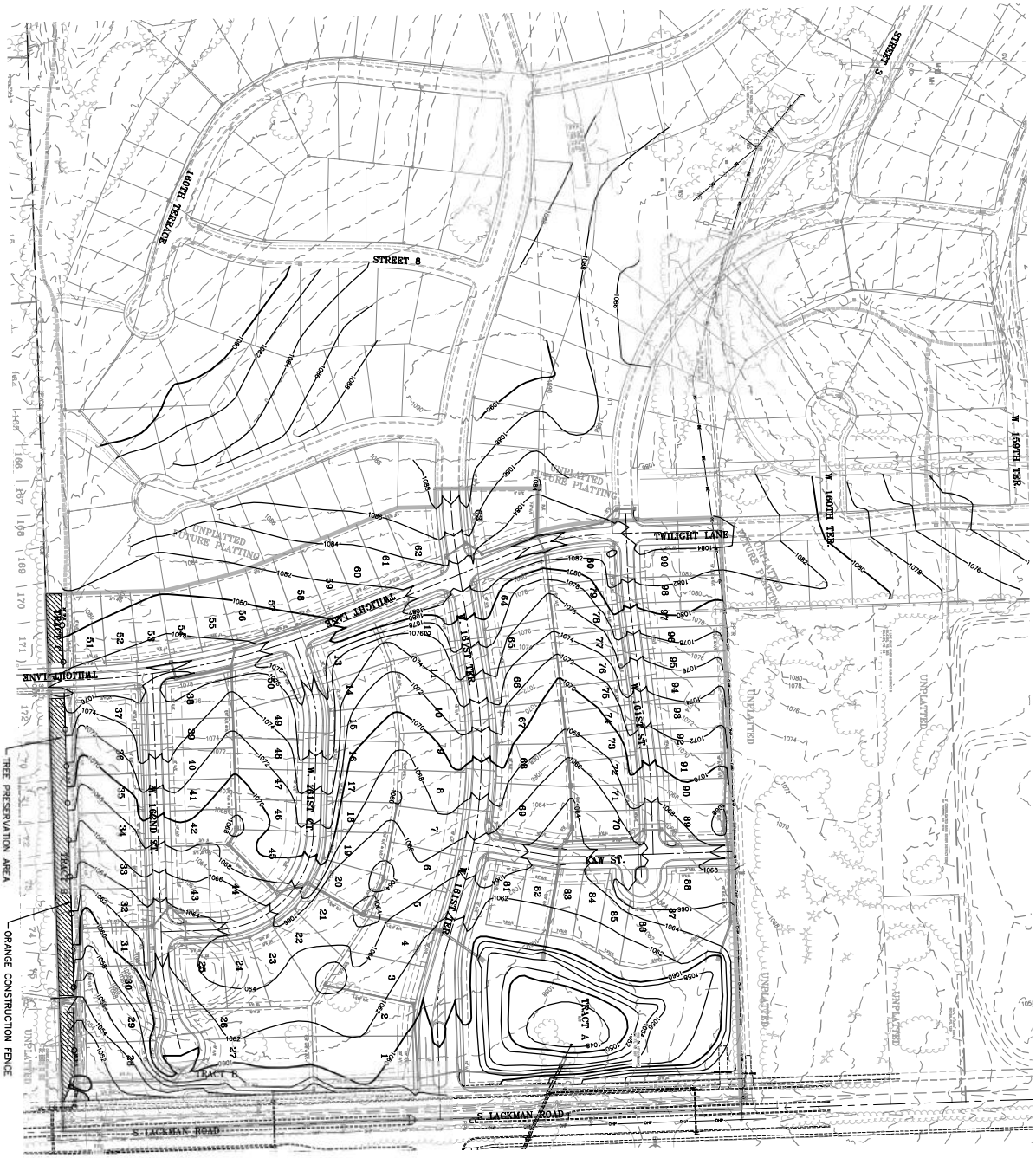
PROJECT
Heritage Ranch
1st Plat
159th St. and Lackman Road
Olathe KS

Kansas 811

SCALE: 1"=60'
NORTH
0 60 120 180

Date: 2.28.2024
Project # 1056
Landscape Plan

L1



PROJECT NO. 240033	No.	Date	Revisions:	By	App.	
DATE: 3/4/24 DRAWN: MAM						
CHECKED: MAM APPROVED: ALN						
CERTIFICATE OF AUTHORIZATION KANSAS LAND SURVEYING - LS-82 ENGINEERING - E-36						
CERTIFICATE OF AUTHORIZATION MISSOURI LAND SURVEYING- 2007005128 ENGINEERING- 2007005256						

SHEET 1 OF 1

TREE PRESERVATION PLAN

HERITAGE RANCH, FIRST PLAT

OLATHE, KANSAS

PLANNING ENGINEERING IMPLEMENTATION

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