



PROJECT INFORMATION

**BROOKINGS
MARKETPLACE
RETAIL**

Brookings, SD



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 South Dakota.

Name: Justin C. Baggenstoss

LICENSE NO. DATE

LA 16829 07/12/2024

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PROJ. NO. 701723

ISSUE RECORD

ISSUE # | DATE | DESCRIPTION

A | 07/12/2024 | CITY SUBMITTAL

PRELIMINARY
NOT FOR CONSTRUCTION

**CITY
SUBMITTAL**

07/12/2024

**LANDSCAPE
TITLE SHEET**

L001

GENERAL NOTES

- REFER TO CIVIL DRAWINGS FOR ALL UNDERGROUND UTILITIES AND GRADING/DRAINAGE INFORMATION. CIVIL LINEWORK IS SHOWN FOR COORDINATION PURPOSES ONLY.

SHEET INDEX

SHEET	SHEET NAME	CITY SUBMITTAL
03 - LANDSCAPE		
L001	LANDSCAPE TITLE SHEET	•
L100	OVERALL SITE LANDSCAPE REFERENCE PLAN	•
L200	SITE LANDSCAPE LAYOUT & SURFACING PLAN	•
L400	OVERALL SITE LANDSCAPE TREE PLANTING PLAN	•
L401	PRELIMINARY LANDSCAPE SHRUB/PERENNIAL PLANTING PLAN	•
L500	LANDSCAPE DETAILS	•
L501	LANDSCAPE DETAILS	•

SURFACE TREATMENT LEGEND

SURFACE TYPE	GRAPHIC ID
Concrete Pavement	
Native Perennial Temp Seed Mix-SD DOT Type C Mix	
Native Pollinator Mesic/Wet Seed Mix	
Native Pollinator Upland Mesic/Dry Seed Mix	
Native Pollinator Wildflower Shortgrew Seed Mix	
Planting Areas	
Rock Mulch #1	
Turfgrass-Seeded-SD DOT Type D Mix	

PLANTING LEGEND

SYM	COMMON NAME	SCIENTIFIC NAME
TREES		
Coniferous Tree		
	WHITE SPRUCE	Picea glauca
	BLACK HILLS SPRUCE	Picea glauca densata
	AUSTRIAN PINE	Pinus nigra
	PONDEROSA PINE	Pinus ponderosa
Deciduous Tree		
	AUTUMN BLAZE MAPLE	Acer x freemanii 'Autumn Blaze'
	COMMON HACKBERRY	Celtis occidentalis
	NORTHERN ACCLIM HONEYLOCUST	Gleditsia triacanthos var inermis 'Harve'
	KENTUCKY TRUE NORTH COFFEETREE	Gymnocladus dioica 'UMNSynergy'
	SWAMP WHITE OAK	Quercus bicolor
	BOULEVARD LINDEN	Tilia americana 'Boulevard'
	PRAIRIE EXPEDITION ELM	Ulmus americana 'Lewis & Clark'
Ornamental Deciduous Tree		
	PRAIRIE ROSE CRABAPPLE	Malus 'Prairie Rose'
	PINK FLAIR CHERRY	Prunus sargentii 'JFS-KWS8'



1 OVERALL SITE LANDSCAPE CONTEXT PLAN
L001 1" = 80'-0"



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OVERALL SITE LANDSCAPE REFERENCE PLAN

L100

GENERAL NOTES

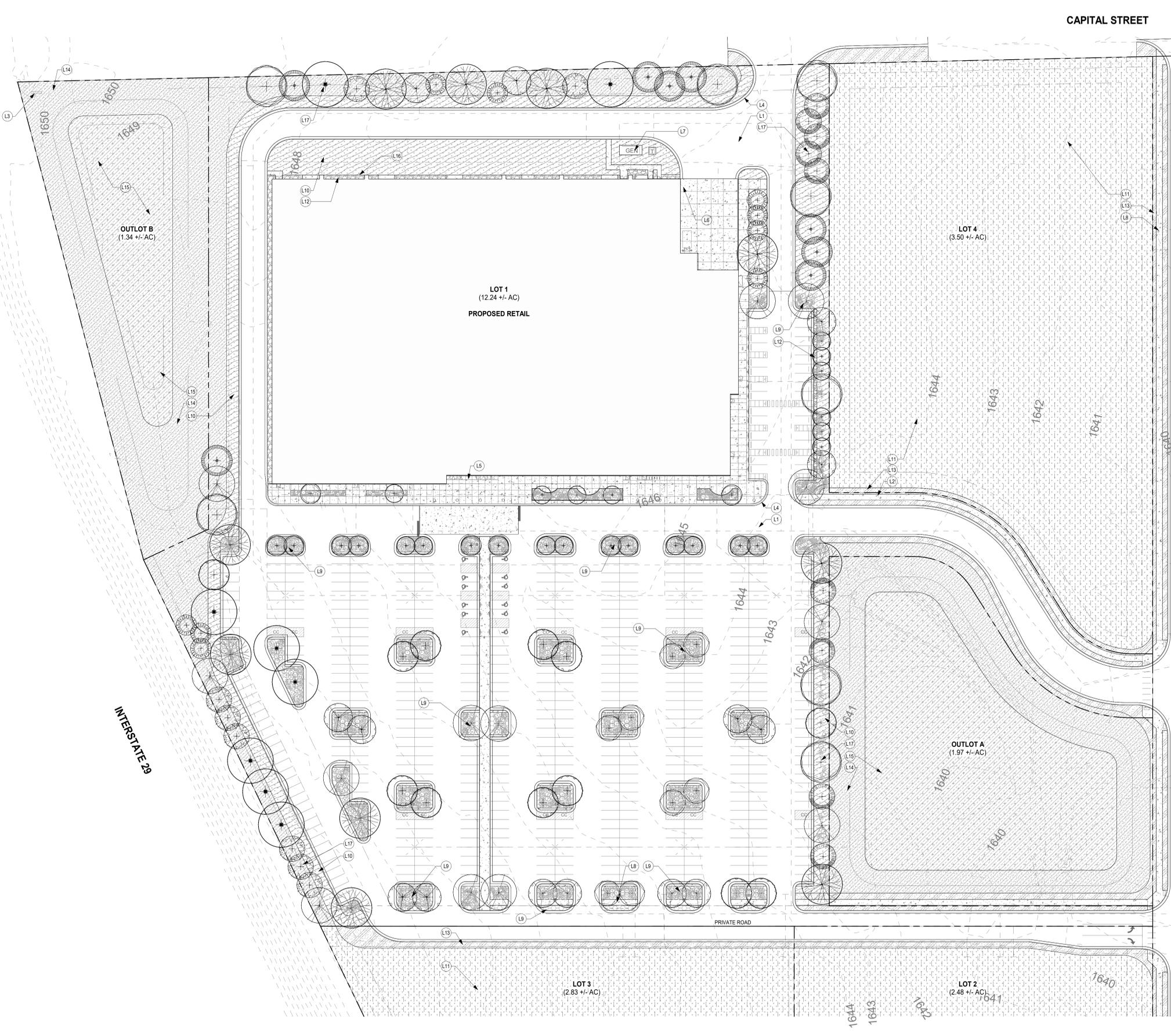
- REFER TO CIVIL PLANS FOR ALL GRADING AND UTILITY INFORMATION, REPRESENTATION OF CIVIL INFORMATION IS FOR GRAPHIC AND COORDINATION PURPOSES ONLY.
- SEE SHEET L200 FOR OVERALL SITE LANDSCAPE LAYOUT & SURFACING PLAN.
- SEE SHEET L400 FOR OVERALL TREE PLANTING PLAN AND CITY REQUIRED LANDSCAPE CALCULATIONS.
- SEE SHEET L401 FOR OVERALL SHRUB/PERENNIAL PRELIMINARY PLANTING PLAN WITH ANTICIPATED SPECIES.

KEYNOTE LEGEND

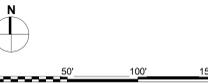
- L1 BITUMINOUS DRIVES; (SEE CIVIL);
- L2 CONCRETE; (SEE CIVIL);
- L3 MONUMENT SIGNS;
- L4 CURB/CUTTER; (SEE CIVIL);
- L5 MAIN BUILDING ENTRY/EXIT;
- L6 LOADING DOCK AREA; (SEE ARCH/CIVIL);
- L7 ELEC EQUIP; (SEE ELEC);
- L8 SURFACE TREATMENT; CONCRETE, TYP - STANDARD JOINTING;
- L9 SURFACE TREATMENT; PLANTING AREAS W/MIX OF NATIVE/SCAPED SHRUBS, PERENNIALS, ORNAMENTAL GRASSES; (70% PERENNIALS & 30% SHRUBS); PROVIDE SHREDED HARDWOOD MULCH-3" DEPTH @ ALL PLANTING AREAS, TYP.
- L10 SURFACE TREATMENT; NATIVE POLLINATOR WILDFLOWER SHORTGROW SEED MIX: ALBERT LEA SEED "WEE H" WILDFLOWER MIX;
- L11 SURFACE TREATMENT; PERENNIAL TEMP SEED MIX, SD DOT TYPE C MIX;
- L12 SURFACE TREATMENT; ROCK MULCH: 1.5" - 3"; W/FABRIC UNDERLAYMENT, TYP.
- L13 SURFACE TREATMENT; LOW-MAINTENANCE LAWN SEED MIX; SD DOT TYPE D;
- L14 SURFACE TREATMENT; NATIVE POLLINATOR UPLAND/MESIC PRAIRIE MIX; PHEASANTS FOREVER MIDWEST POLLINATOR PLUS;
- L15 SURFACE TREATMENT; NATIVE POLLINATOR STORMWATER MIX; PRAIRIE MOON NURSERY "DETENTION BASIN MIX";
- L16 LANDSCAPE EDGING; 4" STEEL EDGING; COMMERCIAL GRADE, COLOR "BLACK";
- L17 PROPOSED TREES; PROVIDE MULCH RINGS AT ALL TREES NOT LOCATED IN PLANTING AREAS.

SURFACE TREATMENT SCHEDULE

SURFACE TYPE	GRAPHIC ID	KEYNOTE ID (SEE KEYNOTE LEGEND/LAYOUT & SURFACING PLAN)
Concrete Pavement		C
Native Perennial Temp Seed Mix-SD DOT Type C Mix		PT
Native Pollinator Mesic/Wet Seed Mix		NPW
Native Pollinator Upland Mesic/Dry Seed Mix		NPP
Native Pollinator Wildflower Shortgrow Seed Mix		L00
Planting Areas		PA
Rock Mulch #1		RM
Turfgrass-Seeded-SD DOT Type D Mix		TG-SD



1 OVERALL SITE LANDSCAPE REFERENCE PLAN
L100 1" = 40'-0"



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SITE LANDSCAPE LAYOUT & SURFACING PLAN

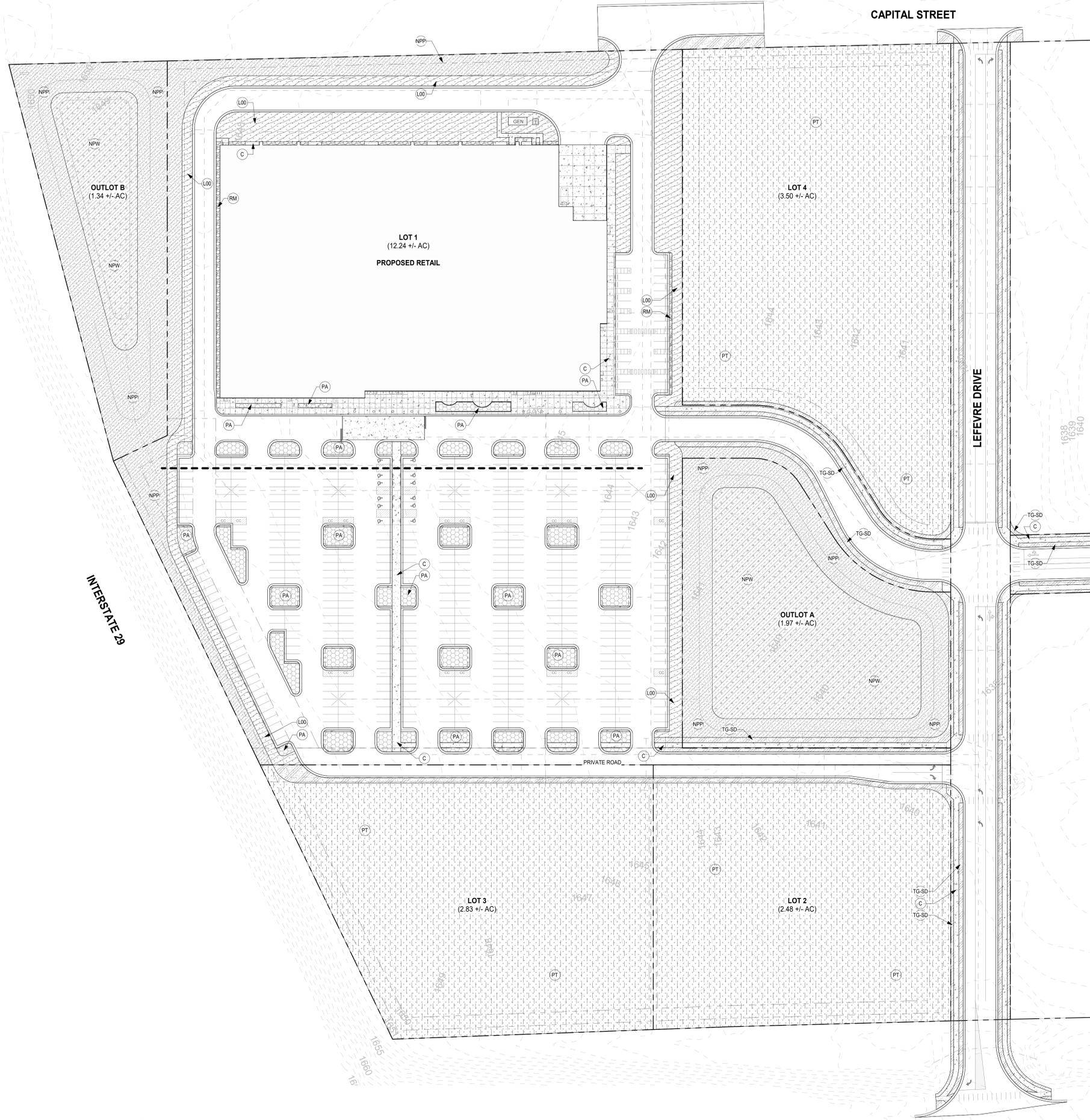
L200

GENERAL NOTES

1. PLANTING AREAS IDENTIFIED ON PLANS SHALL RECEIVE A DIVERSE SELECTION OF NATIVE/ADAPTED SHRUBS, PERENNIALS & ORNAMENTAL GRASSES AND SHALL BE DESIGNED AS TO COMPLETE A QUALITY LANDSCAPE TREATMENT OF THE SITE.
2. ALL SEED MIXES SHALL MEET THE MINIMUM SPECIFICATIONS PERTAINING TO SOUTH DAKOTA SEED LAWS.

SURFACE TREATMENT SCHEDULE

SURFACE TYPE	GRAPHIC ID	KEYNOTE ID	AREA
Concrete Pavement	(Pattern)	C	54648 SF
Native Perennial Temp Seed Mix-SD DOT Type C Mix	(Pattern)	PT	364246 SF
Native Pollinator Mesc/Wet Seed Mix	(Pattern)	NPW	67856 SF
Native Pollinator Upland Mesc/Dry Seed Mix	(Pattern)	NPP	104326 SF
Native Pollinator Wildflower Shortgrov Seed Mix	(Pattern)	L00	47492 SF
Planting Areas	(Pattern)	PA	20314 SF
Rock Mulch #1	(Pattern)	RM	3054 SF
Turfgrass-Seeded-SD DOT Type D Mix	(Pattern)	TG-SD	45273 SF
			707209 SF



1 OVERALL SITE LANDSCAPE LAYOUT & SURFACING PLAN
L200 1" = 50'-0"

HIGHWAY 14 (6TH STREET)



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**OVERALL SITE
LANDSCAPE
TREE PLANTING
PLAN**

L400

GENERAL NOTES

- SEE SHEET L401 FOR ADDITIONAL AND SUPPLEMENTAL PLANTING IDENTIFICATION FOR SHRUBS & PERENNIALS.
- ONLY TREES ARE IDENTIFIED ON THIS PLAN FOR GRAPHIC CLARITY.
- TREE QUANTITIES ARE SHOWN TO MEET OR EXCEED THE MINIMUM CITY LANDSCAPE REQUIREMENTS.
- PLANTING AREAS IDENTIFIED ON PLANS SHALL RECEIVE A DIVERSE SELECTION OF NATIVE/ADAPTED SHRUBS & PERENNIALS.
- SHRUBS, PERENNIAL & ORNAMENTAL GRASS PLANTINGS INDICATED ON PLANS ARE FOR GRAPHIC PURPOSES ONLY. THE GENERAL BASIS OF DESIGN, FINAL PLANTING LAYOUTS INCLUDING QUANTITIES WILL BE FURTHER COORDINATED AND COMPLETED FOR FUTURE SUBMISSIONS.

PLANTING NOTES

- REFER TO CIVIL GRADING PLAN FOR PROPOSED GRADING AND EROSION CONTROL INFORMATION.
- REFER TO L500 - L501 FOR LANDSCAPE NOTES AND DETAILS.
- THE LANDSCAPE PLANT SCHEDULE IS FOR THE CONVENIENCE TO THE LANDSCAPE SUBCONTRACTOR. THE LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PLANT COUNTS ON PLAN.
- THIS PLAN ILLUSTRATES THE MINIMUM TREE PLANTINGS TO BE PROVIDED FOR CITY APPROVAL. THE OWNER RETAINS THE RIGHT TO INCREASE PLANT SIZES / QUANTITIES.
- ALL TREES AND SHRUBS SHALL RECEIVE 4" OF SHREDDED HARDWOOD MULCH.
- ALL OPEN SPACE AREAS SHALL RECEIVE PLANT MATERIALS AND IRRIGATION EXCLUDED FROM IRRIGATION AREAS IS THE BUILDING FOOTPRINT, HARDSCAPE AREAS, ROCK MULCH MAINTENANCE STRIPS AND AREAS BELOW THE NORMAL WATER LEVEL IN STORMWATER BMPs. AREAS RECEIVING NATIVE SEED SHALL BE ON A DEDICATED IRRIGATION ZONE.

LANDSCAPE CALCULATIONS

SITE ZONING: PDD Planned Development District (Underlying B-2)
TOTAL SITE AREA: 12.24 +/- AC (533,262 SF)
TOTAL BLDG FOOTPRINT: 128,710 SF
LOT SURFACED AREA: 404,552 SF (Total site area - total bldg footprint)

LANDSCAPE PLANTING REQUIREMENTS: (Based on Sec. 94-399)
SITE TREES:
(c) Landscaping Standards:
(2) Minimum number of trees required:
a. One tree for first 4,000 SF of surfaced area.
Required: 1 (1st 4,000 SF of surfaced area)
Provided: 1
b. One tree for each additional 3,000 SF of surfaced area.
Required: 134 (Lot surfaced area - 4,000 = 400,552 + 3,000)
Provided: 134

TOTAL SITE TREES:
Required: 135
Provided: 135

(3) Minimum tree size: Each tree shall be balled and burlapped, container grown or planted by tree space and shall meet the following minimum requirements at time of planting:
a. Deciduous trees: 1.5" caliper at planting
b. Ornamental trees: 1.5" caliper at planting
c. Conifer trees: 6" height at planting

INTERIOR PARKING LOT LANDSCAPING:
(4) Purpose of interior lot landscaping is to improve the appearance of parking lots, provide shade, and improve stormwater infiltration. All parking lots with 20,000 SF or more of surfacing shall be landscaped in accordance with the following parking lot standards:
a. Twenty percent of trees required in (c)(2) shall be planted in parking lot islands.
Required: 27 (Total site trees x .20) (135 x .20)
Proposed: 27 (52 Total island trees/25 total trees)
b. A minimum of one (1) deciduous tree must be provided per parking lot island.
c. Parking lot island soils shall be over-excavated and backfilled with 1,000 cubic feet of soils suitable to support tree growth.

MINIMUM LANDSCAPE AREA:
(5) An area for landscaping, equivalent to the setback requirements, kept free of parking, storage, merchandise, or accessory structures, must be provided around the perimeter of a site with the following exceptions:
a. Business/Industrial uses shall provide a minimum ten-foot wide landscape area along any right-of-way and five feet along a side lot line.
b. Walkways, trails, driveways, bus shelters and entrance drives leading to a parking or loading area may be located within the landscape area. Walkways abutting driveways shall be clearly delineated and reserved strictly for pedestrian use.
c. Detention/retention ponds may be located within the minimum landscape area.

FOUNDATION PLANTINGS:
(6) A minimum planting strip of three feet shall be installed along all building foundations. Foundation plantings shall consist of primarily shrubs, perennials, and native grasses.
Exceptions:
a. Building foundations directly abutting a public sidewalk, public plaza, or other public landscape feature shall be exempt from the foundation plantings.
b. Business and industrial uses shall install plantings along foundations facing a public right of way. However, in business and industrial districts, corner lots may incorporate the total required square footage of foundation plantings into a landscape area adjacent to the building foundation along the street right of way with the highest classification or at the primary entrance to the building.
c. Single-family, two family, and agricultural uses are exempt from foundation plantings.

PLANT SCHEDULE

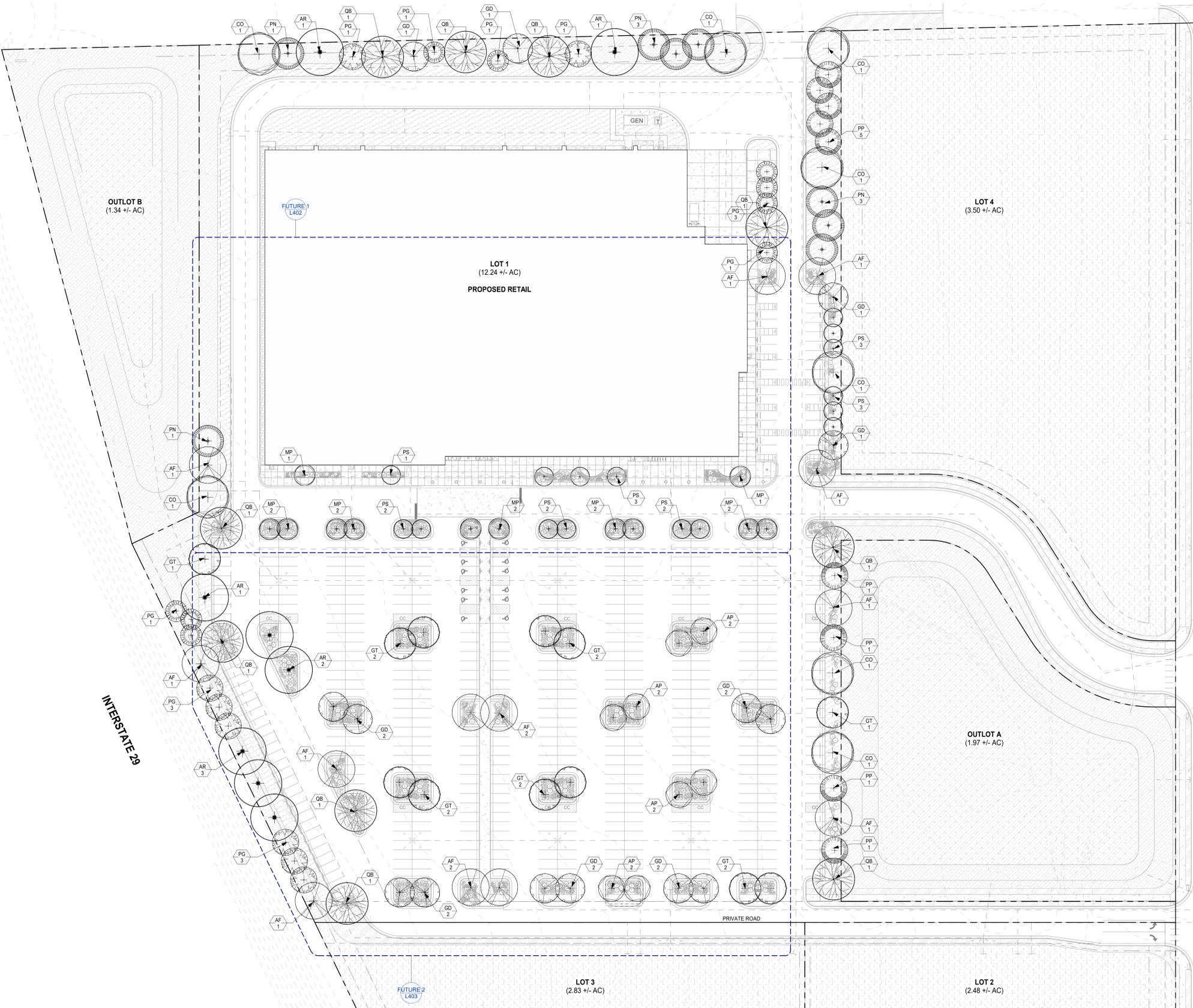
SYM	QTY	ID	COMMON NAME	SCIENTIFIC NAME	PLANTING SIZE	MATURE HEIGHT/WIDTH	COMMENTS
TREES							
Coniferous Tree							
9	PG	WB	WHITE SPRUCE	Picea glauca	6" B&B	45/20'	PLANT PER PLAN
8	PG	BL	BLACK HILLS SPRUCE	Picea glauca densata	6" B&B	35/22'	PLANT PER PLAN
8	PN	AP	AUSTRIAN PINE	Pinus nigra	6" B&B	50/30'	PLANT PER PLAN
9	PP	PO	PONDEROSA PINE	Pinus ponderosa	6" B&B	50/20'	PLANT PER PLAN
Deciduous Tree							
13	AF	AL	AUTUMN BLAZE MAPLE	Acer x freemanii 'Autumn Blaze'	4" B&B	55/35'	PLANT PER PLAN
8	CO	CH	COMMON HACKBERRY	Celtis occidentalis	3" B&B	55/40'	PLANT PER PLAN
12	GT	NT	NORTHERN ACCLAIM HONEYLOCUST	Gleditsia triacanthos var inermis 'Harve'	3" B&B	45/35'	PLANT PER PLAN
14	GD	KT	KENTUCKY TRUE NORTH COFFEETREE	Gymnocladus dioica 'UMNSynergy'	3" B&B	50/30'	PLANT PER PLAN
10	QB	SW	SWAMP WHITE OAK	Quercus bicolor	3" B&B	60/40'	PLANT PER PLAN
8	AP	BL	BOULEVARD LINDEN	Tilia americana 'Boulevard'	3" B&B	45/25'	PLANT PER PLAN
8	AR	PE	PRAIRIE EXPEDITION ELM	Ulmus americana 'Lewis & Clark'	3" B&B	50/50'	PLANT PER PLAN
Ornamental Deciduous Tree							
12	MP	PR	PRAIRIE ROSE CRABAPPLE	Malus 'Prairie Rose'	3" B&B	20/20'	PLANT PER PLAN
16	PS	FL	FLAIR CHERRY	Prunus sargentii 'PS-K05P'	3" B&B	25/15'	PLANT PER PLAN
TOTAL TREES 135							

CAPITAL STREET

LEFEVRE DRIVE

INTERSTATE 29

PRIVATE ROAD



1 OVERALL SITE LANDSCAPE TREE PLANTING PLAN
L400 1" = 40'-0"



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PRELIMINARY LANDSCAPE SHRUB/PERENNIAL PLANTING PLAN

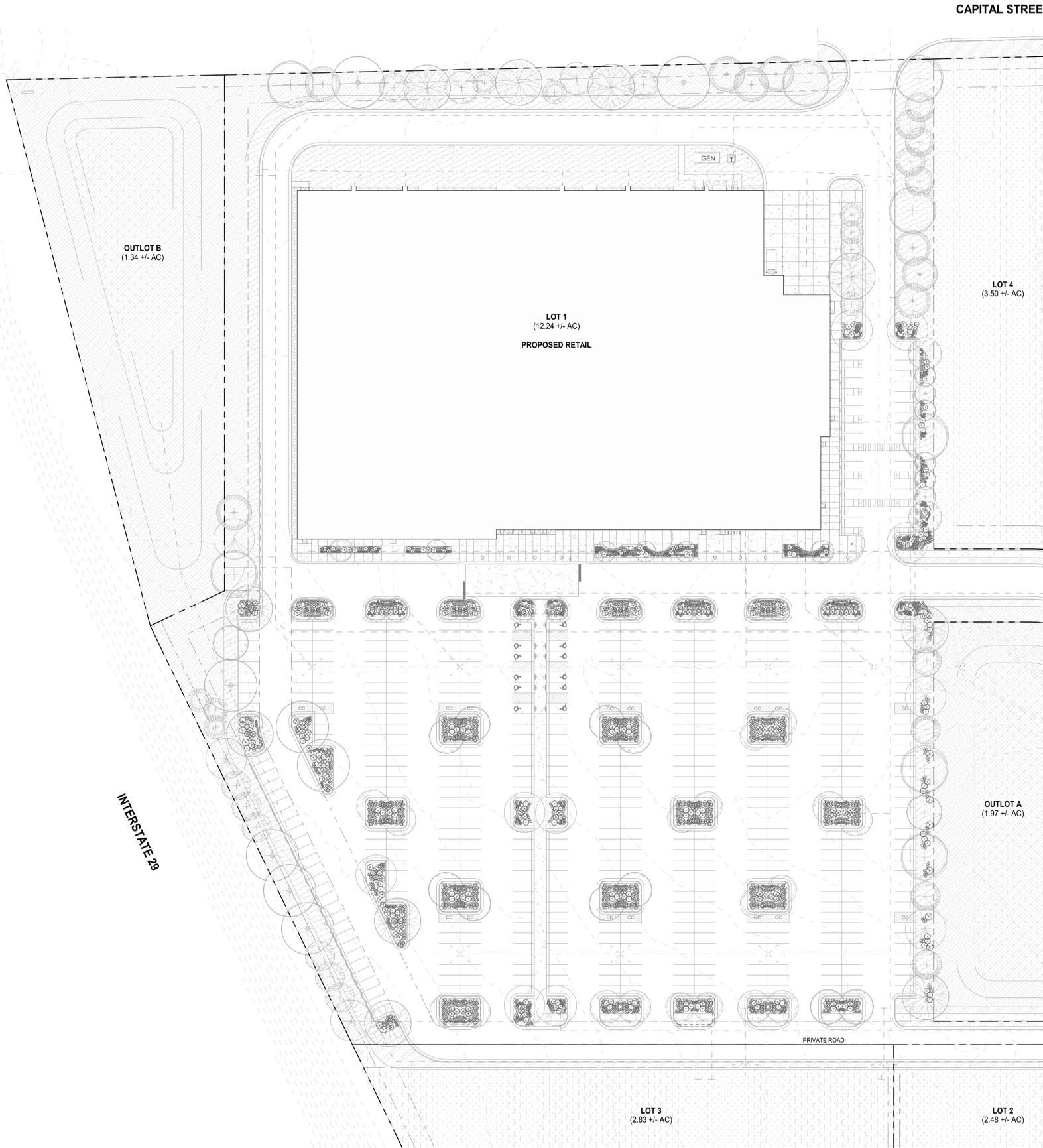
L401

GENERAL NOTES

- SEE SHEET L400 FOR OVERALL TREE PLANTING PLAN AND IDENTIFICATION.
- ONLY SHRUBS/PERENNIALS & ORNAMENTAL GRASSES ARE INDICATED ON THIS PLAN FOR GRAPHIC CLARITY.
- PLANTING AREAS IDENTIFIED ON PLANS SHALL RECEIVE A DIVERSE SELECTION OF NATIVE/ADAPTED SHRUBS & PERENNIALS AND SHALL BE LAID OUT AS TO COMPLETE A QUALITY LANDSCAPE TREATMENT OF THE SITE.
- TOTAL PLANTING DIVERSITY SHALL ACHIEVE NOT LESS THAN 75% NATIVE OR SUSTAINABLE LANDSCAPING ON ALL AVAILABLE PLANTING SPACE.
- SHRUBS & PERENNIAL PLANTINGS INDICATED ON PLANS ARE FOR GRAPHIC PURPOSES ONLY AS THE GENERAL BASIS OF DESIGN. FINAL PLANTING LAYOUTS INCLUDING QUANTITIES WILL BE FURTHER COORDINATED AND COMPLETED FOR FUTURE SUBMISSIONS.
- ALL PROPOSED SHRUBS & PERENNIAL PLANTINGS SHALL MEET OR EXCEED CITY ESTABLISHED LANDSCAPE STANDARDS AND REQUIREMENTS.
- SHRUB/PERENNIAL & ORNAMENTAL GRASS PLANTING SPECIES INDICATED IN SCHEDULE BELOW ARE ANTICIPATED AND HAVE BEEN CHOSEN FOR THEIR NATIVE HARDINESS, SALT/DROUGHT TOLERANT CAPABILITIES, POLLINATOR FRIENDLY ATTRIBUTES, DIVERSITY, HEIGHTS, COLORS, TEXTURES, AND MULTI-SEASONAL INTEREST.

PLANT SCHEDULE

SYM ID	COMMON NAME	SCIENTIFIC NAME	PLANTING SIZE	MATURE HEIGHT/WIDTH	COMMENTS
TREES					
Coniferous Tree					
PG	WHITE SPRUCE	<i>Picea glauca</i>	6' B&B	45/20'	PLANT PER PLAN
PG	BLACK HILLS SPRUCE	<i>Picea glauca densata</i>	6' B&B	35/22'	PLANT PER PLAN
PN	AUSTRALIAN PINE	<i>Pinus nigra</i>	6' B&B	50/30'	PLANT PER PLAN
PP	PONDEROSA PINE	<i>Pinus ponderosa</i>	6' B&B	50/20'	PLANT PER PLAN
Deciduous Tree					
AF	AUTUMN BLAZE MAPLE	<i>Acer x freemanii 'Autumn Blaze'</i>	4" B&B	55/35'	PLANT PER PLAN
CO	COMMON HACKBERRY	<i>Celtis occidentalis</i>	3" B&B	55/40'	PLANT PER PLAN
GT	NORTHERN ACCLAIM HONEYLOCUST	<i>Gleditsia triacanthos var. inermis 'harve'</i>	3" B&B	45/35'	PLANT PER PLAN
GD	KENTUCKY TRUE NORTH COFFEETREE	<i>Gymnocladus dioica 'UMNSynergy'</i>	3" B&B	50/30'	PLANT PER PLAN
QB	SWAMP WHITE OAK	<i>Quercus bicolor</i>	3" B&B	60/40'	PLANT PER PLAN
AP	BOULEVARD LINDEN	<i>Tilia americana 'Boulevard'</i>	3" B&B	45/25'	PLANT PER PLAN
AR	PRAIRIE EXPEDITION ELM	<i>Ulmus americana 'Lewis & Clark'</i>	3" B&B	50/50'	PLANT PER PLAN
Ornamental Deciduous Tree					
MP	PRAIRIE ROSE CRABAPPLE	<i>Malus 'Prairie Rose'</i>	3" B&B	20/20'	PLANT PER PLAN
PS	PINK FLAIR CHERRY	<i>Prunus sargentii 'JFS-KWS'</i>	3" B&B	25/15'	PLANT PER PLAN
SHRUBS					
Coniferous Shrub					
Jcs	SEA GREEN JUNIPER	<i>Juniperus chinensis 'Sea Green'</i>	#7 CONT.	5/5'	
hli	LIME GLOW JUNIPER	<i>Juniperus horizontalis 'Lime Glow'</i>	#3 CONT.	18/5'	
vg	GREY OWL JUNIPER	<i>Juniperus virginiana 'Grey Owl'</i>	#5 CONT.	24/4'	
md	RUSSIAN CYPRESS	<i>Microbiota decussata</i>	#5 CONT.	14/6'	
Deciduous Shrub					
Aa	REGENT SERVICEBERRY	<i>Amelanchier alnifolia 'Regent'</i>	#7 CONT.	5/6'	
Am	LOWSCAPE MOUND CHOKEBERRY	<i>Aronia melanocarpa 'UCONNAM165'(PP28,789)</i>	#5 CONT.	16/124"	
Anu	GROUND HUG CHOKEBERRY	<i>Aronia melanocarpa 'UCONNAM012'(PP31,21)</i>	#5 CONT.	16/3"	
Cs	FREDANCE DOGWOOD	<i>Cornus sericea 'Staladeine'</i>	#5 CONT.	3/4'	
Di	DWARF BUSH HONEYSUCKLE	<i>Dierilla lonicera</i>	#5 CONT.	42/36"	
Fc	GOLD TIDE FORSYTHIA	<i>Forsythia 'Cortasol'(PP9,104)</i>	#5 CONT.	30/5'	
Haa	ANABELLE SMOOTH HYDRANGEA	<i>Hydrangea arborescens 'Annabelle'</i>	#3 CONT.	5/5'	
Hk	KALM AMES HYPERICUM	<i>Hypericum kalmianum 'Ames'</i>	#2 CONT.	30/30"	
Po	AMBER JUBILEE NINEBARK	<i>Physocarpus opulifolius 'Jelani'(PP23,177)</i>	#5 CONT.	60/48"	
Pf	MARMALADE POTENTILLA	<i>Potentilla fruticosa 'Jelani'(PP31,663)</i>	#5 CONT.	30/30"	
Ss	SEM FALSESPIREA	<i>Sorbaria sorbifolia 'Sem'(PP16,336)</i>	#5 CONT.	3/3'	
PERENNIALS/VINES/GRASSES					
Ornamental Grass					
Cxa	KARL FOERSTER FEATHER REED GRASS	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	#5 CONT.	48/30"	
Pv	SHENANDOAH RED SWITCH GRASS	<i>Panicum virgatum 'Shenandoah'</i>	#3 CONT.	36/26"	
Sa	AUTUMN MOOR GRASS	<i>Sesleria autumnalis</i>	#1 CONT.	24/24"	
Sh	PRAIRIE DROPS EED	<i>Sporobolus heterolepis</i>	#3 CONT.	24/24"	
Perennials					
Aro	RED OCTOBER BIG BULBSTEM	<i>Andropogon 'Red October'(PP26,263)</i>	#2 CONT.	60/28"	
Al	BUTTERFLY FLOWER	<i>Asclepias tuberosa</i>	#1 CONT.	36/20"	
He	LESSER CALAMINT	<i>Calamintha nepeta ssp. nepeta</i>	#1 CONT.	24/24"	
Ce	ENCHANTED EVE COREOPSIS	<i>Coneopsis 'EnchantedEve'(PP27,857)</i>	#1 CONT.	12/18"	
Cv	MOONBEAM COREOPSIS	<i>Coneopsis verticillata 'Moonbeam'</i>	#1 CONT.	18/18"	
Ep	POW WOW WILD BERRY CONEFLOWER	<i>Echinacea purpurea 'Pas702917'</i>	#1 CONT.	24/24"	
Hsg	SUNDAY GLOVES DAYLILY	<i>Hemerocallis 'Sunday Gloves'</i>	#2 CONT.	24/18"	
Lc	CARDINAL FLOWER	<i>Lobelia cardinalis</i>	#1 CONT.	36/18"	
Pf	LITTLE SPIRE RUSSIAN SAGE	<i>Perovskia 'Flagrant'</i>	#1 CONT.	24/18"	
Rh	BLACK-EYED SUSAN	<i>Rutbeckia hirta</i>	#1 CONT.	30/18"	



1 OVERALL SITE LANDSCAPE SHRUB/PERENNIAL PLANTING PLAN
L401 1" = 40'-0"

NATIVE POLLINATING SEED MIX MATRIX

MINIMUM SPECIFICATIONS:

- SPECIFICATIONS WILL ADHERE TO SD SEED LAWS.

Native Pollinator Upland Mesic-Dry Mix:

Purpose: Upland Prairie/Wildflower Mix for Mesic/Dry soils for increased pollinator habitat.
Basis of Design: Pheasants Forever Habitat: Midwest Pollinator Plus
Conform to base mixture.

Common Name	Scientific Name	Rate (lb/acre)	% of Mix (by weight)	Bloom Season	Seeds/sq ft.
Grasses/Sedges:		1.38	44.60		
Big Bluestem	Andropogon gerardii	.2	8.66	.88	
Sideoats Grama	Rudolphia cuneifolia	.4	14.93	1.62	
Fox Sedge	Carex wislizeni	.67	21.09	2.16	
Sand Lovegrass	Eragrostis trichodes	.65	14.08	1.43	
Switchgrass	Panicum virgatum	.65	3.67	.37	
Little Bluestem	Schizachyrium scoparium	.4	21.43	2.18	
Indiangrass	Sorghastrum nutans	1	3.81	.39	
Sand Dropseed	Sporobolus cryptandrus	.01	12.04	1.23	
Eastern Gamagrass	Tripsacum dactyloides	.1	.29	.03	
Forbs/Wildflowers:		1.937	58.40		
Fringed Gentian	Agastache foeniculum	.01	1.42	Summer/Fall	.32
Leadplant	Ampelopsis canescens	.62	.41	Spring-Early Fall	.69
Thumbweed	Anemone cylindrica	.01	.41	Summer	.09
Common Milkweed	Asclepias syriaca	.663	.20	Spring/Summer	.66
Butterfly Milkweed	Asclepias tuberosa	.660	.21	Spring/Summer	.66
Canada Milkweed	Asclepias canadensis	.65	1.35	Spring-Early Fall	.31
False Aster	Rudolphia alternifolia	.01	2.03	Summer/Fall	.46
Partridge Pea	Chamaecrista fasciculata	1	.57	Summer/Fall	.13
Lanceleaf Coreopsis	Coreopsis lanceolata	.65	1.36	Spring/Summer	.31
Plains Coreopsis	Coreopsis tricolora	.601	.21	Spring/Summer	.65
White Prairie Clover	Dalea candida	.62	.54	Summer/Fall	.12
Purple Prairie Clover	Dalea purpurea	.66	1.68	Summer/Fall	.38
Illinois Bundsflower	Desmanthus illinoensis	1	.96	Summer	.22
Show Tick-Trefoil	Desmodium canadense	.65	.43	Summer	.10
Pale Purple Coneflower	Echinacea pallida	.65	.44	Summer	.10
Purple Coneflower	Echinacea purpurea	.65	.59	Summer	.13
Blanket Flower	Gaillardia aristata	.15	2.94	Summer/Fall	.67
Indian Blanket	Gaillardia pulchella	1	1.91	Summer/Fall	.43
Meadow Rue	Thalictrum dasycarpum	.65	1.02	Summer/Fall	.23
False Sunflower	Heliopsis helianthoides	.65	.57	Summer/Fall	.13
False Bonset	Brickellia eupatorioides	.01	.56	Summer/Fall	.13
Roundhead Lespedeza	Lespedeza capitata	.64	.62	Summer/Fall	.14
Meadow Spigelia	Liatris spicata	.03	.52	Summer	.12
Blue Flax	Linum perenne	1	28.69	Spring/Summer	6.49
Seedbox	Ludwigia alternifolia	.601	1.69	Spring/Summer	.38
Wild Bergamot	Monarda fistulosa	.01	1.28	Summer/Fall	.29
Evening Primrose	Oenothera biennis	.62	2.66	Spring/Summer	.69
Foxglove Beardtongue	Penstemon digitalis	.605	.70	Summer	.16
Prairie Cineraria	Potentilla arguta	.01	3.66	Summer/Fall	.83
Mountain Mint	Pycnanthemum tenuifolium	.601	.45	Summer/Fall	.10
Prairie Coneflower	Ratibida columnifera	.65	2.86	Summer/Fall	.65
Gray-headed Coneflower	Ratibida pinnata	.01	.54	Summer/Fall	.12
Black-eyed Susan	Rudbeckia hirta	.67	10.15	Spring/Fall	2.3
Brown-eyed Susan	Rudbeckia sp.	.62	1.96	Spring/Fall	.24
Gray Goldenrod	Solidago nemoralis	.603	.66	Fall	.15
Shiny Goldenrod	Solidago speciosa	.604	.58	Fall	.13
Smooth Blue Aster	Symphoricarpos leave	.01	.85	Summer/Fall	.19
New England Aster	Symphoricarpos nove-angliae	.01	1.12	Summer/Fall	.25
Frost Aster	Symphoricarpos pilosum	.01	2.10	Fall	.47
Ohio Spiderwort	Tradescantia ohiensis	.602	.04	Spring/Summer	.01
Chimney Sweep	Tribulus terrestris	.8	17.48	Summer	3.95
Blue Verben	Verbena hastata	.01	1.43	Summer/Fall	.32
Hoary Verben	Verbena stricta	.62	1.06	Summer/Fall	.24
Totals:		3.317	100%		32.818
Cover Crops:					
Oats (Spring/Summer)	Avena sativa	25.00	88.00%		11.14
*Winter Wheat (Fall Only)	Triticum aestivum	25.00	88.0%		11.14

Broadcast Rate: 28.317 lb/Acre (3.317 + 25)(43.96 Seeds/square foot) including specified cover crop.

Native Pollinator Wildflower Mix:

Purpose: Short height wildflower mix for enhanced pollinator habitat.
Basis of Design: Albert Lea Seed Knee-Hi Wildflower Mix
Conform to base mixture unless suggested otherwise by supplier due to site conditions.

Common Name	Scientific Name	Rate (lb/acre)	% of Mix (by weight)	Bloom Season	Seeds/sq ft.
Grasses/Sedges:					
Forbs/Wildflowers:					
Dwarf Coneflower	Centaurea cyanus	4.91		Summer/Fall	
Siberian Wallflower	Cheiranthus alboni	7.36		Spring/Summer	
Dwarf Godetia	Clarkia amoena	1.23		Spring/Summer	
Lance-leaved Coreopsis	Coreopsis lanceolata	1.78		Spring/Summer	
Dwarf Plains Coreopsis	Coreopsis tricolora	.81		Spring/Summer	
Chinese Forget-me-Not	Cynoglossum amabile	9.81		Spring/Summer	
Rocket Larkspur	Delphinium consolida	7.36		Summer	
Sweet William Pecks	Dianthus barbata	3.68		Summer/Fall	
African Daisy	Oenothera speciosa	3.68		Spring/Fall	
California Poppy	Eschscholzia californica	7.36		Spring/Summer	
Blanketflower	Gaillardia rigata	4.91		Summer	
Annual Baby's Breath	Gypsophila elegans	7.36		Spring/Summer	
Annual Candytuft	Iberis umbellata	9.81		Summer	
Scarlet Flax	Linum grandiflorum rubrum	7.36		Spring/Fall	
Blue Flax	Linum perenne	7.36		Spring/Summer	
Sweet Alyssum	Lobelia maritima	.81		Summer	
Corn Poppy	Papaver rhoeas	4.91		Spring/Summer	
Dwarf Red Coneflower	Ratibida columnifera	1.84		Summer	
Black Eyed Susan	Rudbeckia hirta	.24		Summer/Fall	
Catfoot	Silene aemula	1.23		Spring/Fall	
Moss Verbena	Verbena tenuisecta	1.23		Spring/Fall	
Totals:		10	100%		
Cover Crops:					
Oats (Spring/Summer)	Avena sativa	25.00	71.4%		11.14
*Winter Wheat (Fall Only)	Triticum aestivum	25.00	71.4%		11.14

Broadcast Rate: 1/2 lb per 1,000 square feet or 10lbs/Acre (35 lbs/Acre including specified cover crop)

Native Pollinator Rim/Stormwater Mix:

Purpose: Stormwater pond edges, temporarily flooded dry ponds and temporarily flooded ditch bottoms. Species designed to tolerate fluctuating water levels and periods of wet and dry years.
Basis of Design: Prairie Moon Nursery-Detention Basin Mix
Conform to base mixture.

Common Name	Scientific Name	Rate (lb/acre)	% of Mix (by weight)	Bloom Season	Seeds/sq ft.
Grasses/Sedges:		4.04	53.14		
Big Bluestem	Andropogon gerardii	6.98			
Fringed Blume	Bromus ciliatus	5.14			
Blue Joint Grass	Calamagrostis canadensis	.34			
Bristly Cattail Sedge	Carex frankii	1.31			
Largeleaf Sedge	Carex lyallii	1.31			
Ash-fruited Sedge	Carex diandra	1.31			
Brown Fox Sedge	Carex vulpinoidea	3.28			
Canada Wild Rye	Elymus canadensis	10.49			
Virginia Wild Rye	Elymus virginicus	10.49			
Reed Manna Grass	Glyceria grandis	1.31			
Dudley's Rush	Juncus dudleyi	.33			
Common Rush	Juncus effusus	.29			
Swainson Rush	Panicum virgatum	1.31			
Dark-green Burash	Scirpus atrovirens	.71			
Wood Grass	Scirpus cyperinus	.37			
Great Bulrush	Scirpus validus	.71			
Indian Grass	Sorghastrum nutans	6.58			
Cord Grass	Spartina pectinata	1.31			
Forbs/Wildflowers:		3.59	46.86		
Alfalfa subclover	Alfalfa subclover	1.31		Spring/Fall	
Prairie Onion	Allium stellatum	.98		Summer	
Scarlet Toothcup	Ammanthia coccinea	.98		Summer	
Canada Anemone	Anemone canadensis	.66		Spring/Summer	
Great Angelica	Angelica atropurpurea	3.93		Spring	
Rose Milkweed	Asclepias incarnata	2.62		Summer	
Canada Milk Weed	Asclepias canadensis	.66		Summer	
Swamp Milkweed	Boltonia aristata	.66		Summer-Fall	
Butterfly Milkweed	Boltonia asteroides	.66		Summer-Fall	
Bonset	Eupatorium perfoliatum	.49		Summer-Fall	
Joe Pye Weed	Eupatorium maculatum		Summer		
Bottle Gentian	Gentiana andrewsii	.38		Summer-Fall	
Cream Gentian	Gentiana florida	.38		Summer-Fall	
Sneezeweed	Helenium autumnale	.71		Summer-Fall	
Early Sunflower	Heliopsis helianthoides	1.31		Summer-Fall	
Rose Mallow	Hibiscus laevis	3.93		Summer	
Great St. Johns Wort	Hypericum pyramidatum		Summer		
Northern Blue Flag	Iris versicolor	1.6		Spring/Summer	
Prairie Blazing Star	Liatris pycnostachya	3.28		Summer-Fall	
Cardinal Flower	Lobelia cardinalis		Summer-Fall		
Great Blue Lobelia	Lobelia siphilitica	1.31		Summer-Fall	
Water Honeysuckle	Lycopus americanus		Summer		
Meadow Thistle	Leucanthemum vulgare		Summer		
Monkey Flower	Mimulus ringens		Summer-Fall		
Stiff Goldenrod	Oligoneuron rigidum		Summer-Fall		
Smartweed	Pentstemon puridatus		Summer-Fall		
False Aster	Physostegia virginiana		Summer-Fall		
Mountain Mint	Pycnanthemum virginicum		Summer		
Black-eyed Susan	Rudbeckia hirta		Summer-Fall		
Sweet Black-eyed Susan	Rudbeckia subtomentosa		Summer-Fall		
Brown-eyed Susan	Rudbeckia sp.		Summer-Fall		
Compass Plant	Silphium laciniatum		Summer		
Cup Plant	Silphium perfoliatum		Summer		
Prairie Dock	Silphium laciniatum		Summer-Fall		
Smooth Blue Aster	Symphoricarpos leave		Fall		
Purple Meadow Rue	Thalictrum dasycarpum		Summer-Fall		
Blue Verben	Verbena hastata		Summer-Fall		
Common Ironweed	Veronica fasciculata		Summer		
Culvers Root	Veronicastrum virginicum		Summer		
Golden Alexanders	Zizia aurea		Spring/Summer		
Totals:		7.63	100%		298.00
Cover Crops:					
Oats (Spring/Summer)	Avena sativa		76.00%	11.14	
*Winter Wheat (Fall Only)	Triticum aestivum		76.0%	11.14	

Broadcast Rate: 32.63 lb/Acre (309.14 Seeds/square foot) including specified cover crop.

NATIVE GRASSES & FORBS NOTES

INSPECTION, ESTABLISHMENT & ACCEPTANCE:

- During the required establishment period for native seeded areas, the Landscape Subcontractor shall submit a written formal request to the Landscape Architect for inspections of the native areas at the completion of the first and second full growing seasons.
 - At the end of the first full growing season, the native seed areas shall have a minimum of 70 percent native plant cover of acceptable species including seedlings of not less than 2 planted grass, sedge and rush species, and seedlings of not less than 4 planted forb species
 - At the end of the second full growing season, the native seed areas shall have a minimum of 80 percent native plant cover of acceptable plant species including a minimum of 10 percent covered by planted native grass, sedge, or rush species and a minimum of 20 percent covered by planted forb species, and a minimum of 50 percent of all planted native species shall be present.
- Following the completion of the minimum required establishment period, the Landscape Subcontractor shall submit a written formal request for a final inspection of the native seeded areas. At final acceptance all native seeded areas shall have a minimum native plant cover as called for at the end of the second full growing season.
- The Landscape Architect's inspection shall determine whether maintenance operations shall continue in any part.
- Upon satisfactory completion of all necessary corrective/remedial work and clean-up, the Landscape Architect will certify in writing the acceptance of the native planting and seeding. The Landscape subcontractor's responsibility for maintenance of native planting and seeding, or parts of the same shall cease on receipt of the Certificate of Acceptance.

MAINTENANCE

- The establishment period for native seed and forb areas shall begin immediately after installation and continue for a minimum of 2 years or until the date that the Owner accepts the project for beneficial use and occupancy.
- During the seed and forb establishment period the Landscape Subcontractor shall:
 - Water all seed to maintain an adequate supply of moisture within the root zone. An adequate supply of moisture is the equivalent of 25 mm (1 inch) of absorbed water per week either through natural rainfall or augmented by periodic watering. Apply water at a moderate rate so as not to displace the mulch, underlying soil, flood the seed or cause erosion. The Landscape Subcontractor shall provide sufficient equipment to ensure complete coverage of the seeded area within an 8 hour period.
 - Spray/spot spray with approved herbicides, insecticides and fungicides to control weeds and pests and to ensure plant survival in a healthy growing condition, as needed or directed by the Landscape Architect.
 - Following the native area establishment:
 - Monitor the condition of seeded areas and take immediate corrective actions for observed problems and notify the Landscape Architect.
 - Eradicate all weeds, water, overseed, and perform any other operation necessary to promote the growth of grass and forbs.
 - Any seeded areas or parts of areas that in the opinion of the Landscape Architect fail to produce a uniform and acceptable stand of native grasses and forbs, for any reason whatsoever, shall be reseeded and reseeded repeatedly until all areas are covered with a satisfactory growth of native grasses and forbs.
 - Any such reseeding together with all associated grading, fertilizing, chemical applications, watering and mowing shall be at the expense of the Landscape Subcontractor. Reseeding and associated work shall be as specified herein and by a method approved by the Landscape Architect.

GENERAL NOTES

- LANDSCAPE SUBCONTRACTOR TO VERIFY ALL UTILITY LOCATIONS ON PROPERTY WITH THE GENERAL CONTRACTOR AND BY CALLING SOUTH DAKOTA 811 (1-800-781-7476) PRIOR TO STAKING PLANT LOCATIONS.
- COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATIONS WITH OTHER CONTRACTORS WORKING ON SITE.
- LANDSCAPE SUBCONTRACTOR SHALL PROTECT EXISTING ROAD SURFACES, CURBS / GUTTERS, TRAILS, TREES, GRASSES SURFACES AND OTHER INSTALLED SITE AMENITIES DURING CONSTRUCTION OPERATIONS. ALL DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- WHERE EXISTING TREES AND/OR SIGNIFICANT SHRUB MASSINGS ARE FOUND ON SITE, WHETHER SHOWN ON THE DRAWING OR NOT, THEY SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED AND/OR ARE IN AN AREA TO BE GRADED. ANY QUESTION REGARDING WHETHER PLANTING OR REMOVAL SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- ALL EXISTING TREES WITHIN LIMITS OF CONSTRUCTION AND NOTED TO REMAIN SHALL BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD AND DAMAGED OR RUBBING BRANCHES.
- B&B TREES AND SHRUBS ARE BALLED AND BURLAPED.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE SUBCONTRACTOR PRIOR TO THE SUBMISSION OF A BID AND/OR QUOTATION.
- ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERMEN.
- SUBCONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR.
- LANDSCAPE SUBCONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION.
- WARRANTY FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.
- LANDSCAPE SUBCONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH TWO (2) CALENDAR YEAR FROM THE DATE OF OWNER ACCEPTANCE WITH ALL REPLACEMENTS TO BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

PLANTING SPECIFICATIONS

- PLANTING BED PREPARATION: ALL MASS PLANTING BEDS SHALL BE TILLED TO A MINIMUM DEPTH OF 10". AMENDMENTS SHALL BE APPLIED AFTER CULTIVATION.
- BACKFILL SOIL: USE SOIL EXCAVATED FROM PLANTING HOLES AND PROVIDE AMENDMENTS. REMOVE ALL DEBRIS INCLUDING ROCKS LARGER THAN 3" DIAMETER.
- FERTILIZATION: ALL PLANT MATERIALS SHALL BE FERTILIZED, UPON INSTALLATION, WITH DRIED BONE MEAL OR OTHER SPECIFIED FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS UNLESS NOTED OTHERWISE.
- MULCH MATERIAL: AS SPECIFIED ON THE LANDSCAPE PLANS, MASS MULCH ALL PLANTING BEDS TO 3" DEPTH SHREDDED HARDWOOD MULCH, NATURAL IN COLOR AND DYE FREE, WITH NO WEED BARRIER. FOR MAINTENANCE STRIPS 1.5" ROCK MULCH SHALL BE USED OVER GEOTEXTILE WEED BARRIER. ALL PERENNIAL PLANTING BEDS TO RECEIVE 3" DEEP SHREDDED HARDWOOD MULCH WITH NO WEED BARRIER. ALL EVERGREEN AND DECIDUOUS TREES TO RECEIVE 6" DEEP SHREDDED HARDWOOD MULCH WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK.
- TREE STAKING: IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO STAKE AND/OR CUP THE TREES ACCORDING TO THE DETAILS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE EVERY STEP NECESSARY TO PROTECT THE TREES AND SHRUBS IN AN UPRIGHT AND PLUMB POSITION AT ALL TIMES UNTIL THE END OF THE PLANT GUARANTEE PERIOD ESPECIALLY WHERE VANDALISM, SOIL OR WIND CONDITIONS ARE A PROBLEM.
- TREE WRAPPING: WRAPPING MATERIAL SHALL BE QUALITY, HEAVY WATERPROOF CREPE PAPER MANUFACTURED FOR THIS PURPOSE. WRAP ALL DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO 12-1 AND REMOVE ALL WRAPPING APRIL 5-1.
- RODENT PROTECTION: PROVIDE ON ALL TREES, EXCEPT SPRUCE UNLESS OTHERWISE SPECIFIED.
- PLANTING PLAN: ALL PROPOSED PLANTS SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLANS. PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE. DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS TAKE PRECEDENCE OVER NOTES. RESPECT STATED DIMENSIONS. DO NOT SCALE DRAWINGS.
- EDGING SHALL BE 4" STEEL COMMERCIAL GRADE EDGING WITH MINIMUM THREE (3) METAL ANCHOR STAKES PER 16 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AREA AND ANY ADJACENT TURF AREA.

PLANTING NOTES

- NO PLANTING TO BE INSTALLED UNTIL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- ALL PLANT MATERIAL LOCATIONS MUST BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY AND ALL DIGGING OR INSTALLATION.
- IF THE LANDSCAPE SUBCONTRACTOR PERCEIVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS OR ANY OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT MATERIAL ESTABLISHMENT, SURVIVAL, OR GUARANTEE, THEY SHALL BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. SHOULD AN ADJUSTMENT BE ADVISED, THE LANDSCAPE ARCHITECT MUST BE NOT



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 South Dakota.

Name: Justin C. Baggenstoss

LICENSE NO. LA 16829 DATE 07/12/2024
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PROJ. NO. 701723

ISSUE RECORD		
ISSUE #	DATE	DESCRIPTION
A	07/12/2024	CITY SUBMITTAL

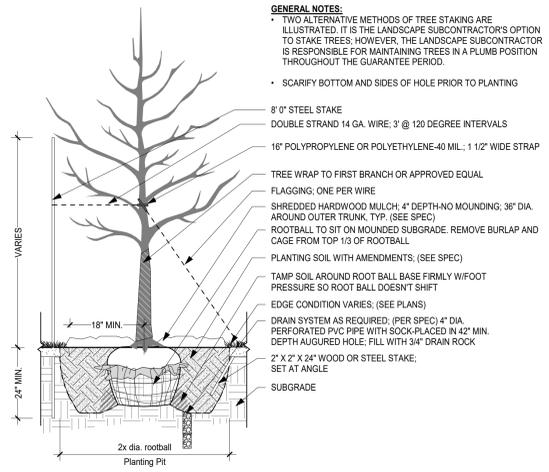
**PRELIMINARY
NOT FOR CONSTRUCTION**

**CITY
SUBMITTAL**

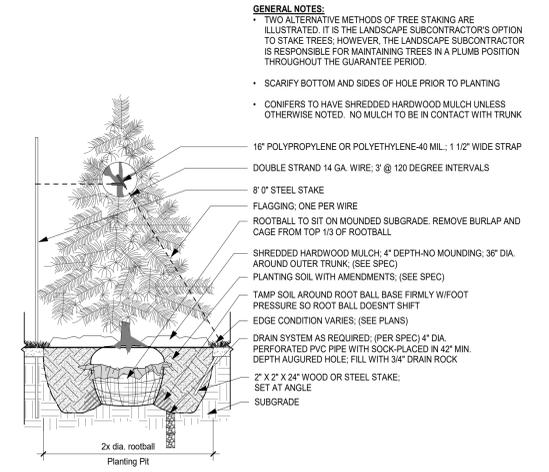
07/12/2024

**LANDSCAPE
DETAILS**

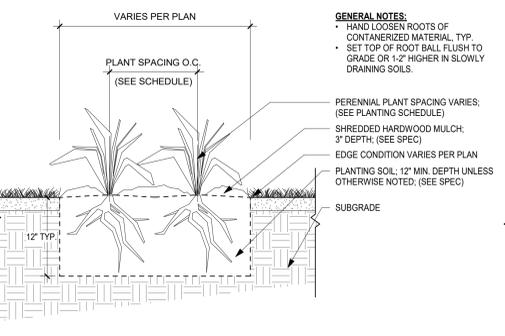
L501



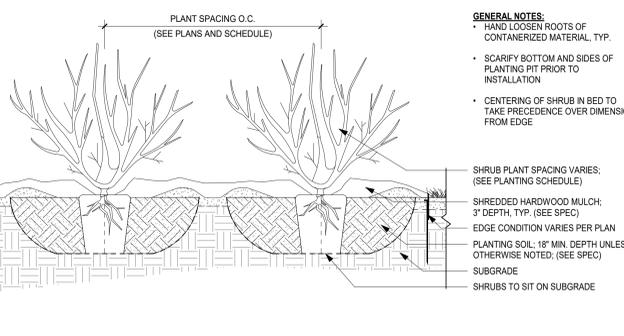
A
L501 TREE PLANTING DETAILS
1/2" = 1'-0"



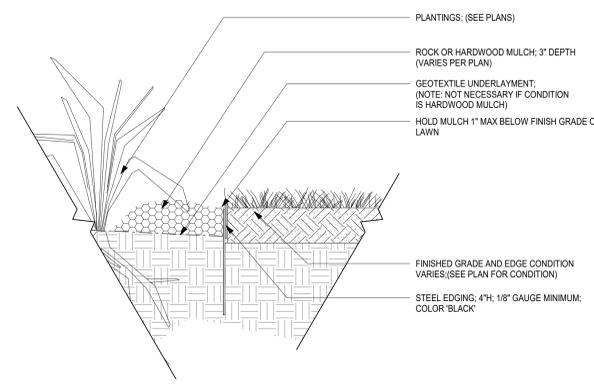
B
L501 TREE PLANTING DETAIL ON SLOPE
1/2" = 1'-0"



C
L501 SHRUB AND PERENNIAL PLANTING DETAILS
3/4" = 1'-0"



D



E
L501 METAL EDGER DETAIL
1 1/2" = 1'-0"