

Landscape Notes:

1. Tree encasement shall 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, 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.
4. Plant takes precedence over plant schedule if discrepancies in quantities exist.
5. All proposed plants shall be located and staked as shown.
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. All plant materials shall be fertilized upon installation as specified.
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. 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. The contractor shall guarantee newly planted material through one calendar year from the date of written owner acceptance. Plants that exhibit more than 10% die-back damage shall be replaced at no additional cost to the owner. The contractor shall also provide adequate tree wrap and deer/dent protection measures for the plantings during the warranty period.
14. The landscape contractor shall understand 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. The landscape contractor shall furnish an irrigation layout plan for head-to-head coverage of all 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 landscape architect for review and approval. Coordinate the irrigation contractor plans with the architect & general contractor. Irrigation is not required within the native seeding areas.
18. All edger shall be professional grade poly edger, 1" bulb-head, Valley View or Equal. Anchor every 18" on-center (minimum). Submit sample.
19. 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.
20. Unless otherwise noted, plant beds shall receive 4" depth of natural single shred hardwood mulch over fabric weed mat, per detail. Submit mulch sample for Owner approval. Do not install weed mat under perennial plantings or in the rain garden areas, except under storm stone.
21. Rock mulch areas shall be 3/8-1/2 inch Buff Limestone mineral mulch. Install per detail. Submit mulch sample for approval.
22. All sod areas shall be prepared prior to planting with a harrow 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.
23. The general contractor shall be responsible for installation of fence materials. See Architect's plans and details for additional information and requirements.
24. Protect existing, adjacent conditions from damage during construction of the landscape improvements shown.
25. The Landscape Contractor shall furnish samples of all landscape materials for approval prior to installation.
26. The Landscape Contractor shall clear and grub any weeds or sapling underbrush from within the work limits to remove dead branches, leaves, trash, weeds and foreign materials.
27. The landscape contractor shall contact North Dakota One Call (8-1-1) no less than 48 hours before digging for field utility locations.
28. 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 all silt curtain fencing and sediment logs placed in the landscape.
29. The landscape contractor shall be responsible for sealing the site to become familiar with the conditions prior to bidding and installation. Coordinate with the general contractor on matters such as the grading, landscaped area conditions, staging areas, irrigation connection to building, etc.
30. All sub-areas of the site that are designated on the site plan as open space for landscape shall have no less than 6" of imported, pulverized planting soil spread in 3" lifts and compacted to 80% proctor density. Till top 4" of topsoil prior to planting activities. Slope away from building.
31. Landscape contractor must prove the open sub-grade of all planting areas after their excavation is capable of infiltrating a minimum requirement of 144-cubic 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 augered every 36" on-center and filled with MDOT Free-Draining Coarse Filter Aggregate. Re-test sub-grade permeation for compliance to infiltration minimum requirement.
32. Stake trees on slopes of 4:1 or steeper with sub-surface Tomhawk root ball anchor system, per detail.
33. Native Seeding of infiltration pond areas as designated on the plan shall be composed of the following seed mixture(s):
 Mixture 1: NDOT Class II Native Seed Mixture
 Rate: 50 lbs. per acre
 Application: Drill into compacted seed bed and anchor with MDOT Type 1 mulch (clean prairie straw) at 2 tons/acre
 Seeding to comply with MDOT Erosion and Sediment Control Handbook, 2004 edition or newer.
 Seeding to Architects plans for information regarding Fencing and Top Soil equipment.
34. Refer to Architects plans for information regarding Fencing and Top Soil equipment.
35. Landscape contractor shall contact both Pease (701) 255-1722 at City of Bismarck Forestry to obtain a permit to plant trees in the right-of-way. City assumes responsibility for maintenance of right-of-way trees upon conclusion of warranty period. City Forestry will field-stake exact positions of trees along Lasalle ahead of contractor installation.

Planting Palette:

Qty.	Key	Scientific Name	Approved Street Tree	Common Name	Size	Root	Notes
2	A	<i>Picea glauca densata</i>	Yes	Black Hills Spruce	5' Hgt.	B&B	Full Form to Grade
0	B	<i>Abies concolor</i>	N/A	White Fir	4' Hgt.	B&B	Full Form to Grade
8	C	<i>Crataegus laevigata 'Crimson Cloud'</i>	Yes	Crimson Cloud Hawthorn	10' Cal.	B&B	Full Form to Grade
3	D	<i>Amelanchier x grandiflora 'Autumn Brilliance'</i>	Yes	Autumn Brilliance Serviceberry	4' Hgt.	B&B	3-Cane Champ
6	E	<i>Malus x Spring Snow</i>	Yes	Spring Snow Crabapple	10' Cal.	B&B	
3	F	<i>Cedrus occidentalis</i>	Yes	Common Hackberry	1.5' Cal.	B&B	
5	G	<i>Quercus bicolor</i>	Yes	Swarney White Oak	1.5' Cal.	B&B	Spring Dog
7	H	<i>Ulmus americana 'Princeton'</i>	Yes	Princeton Elm	2.0' Cal.	B&B	

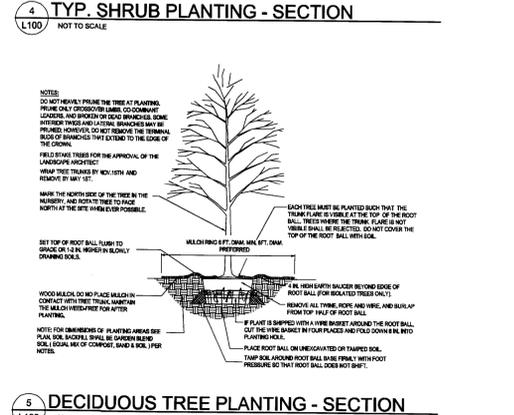
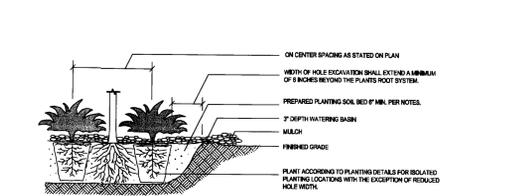
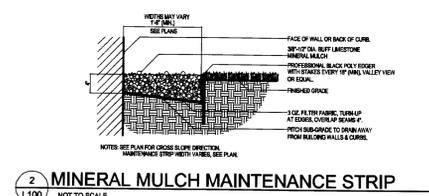
Qty.	Key	Scientific Name	Common Name	Size	Root	Notes
22	I	<i>Juniperus scopulorum 'Waldchii'</i>	Waldch Juniper	#3	POT	
55	J	<i>Thuja occidentalis 'Techny Globe'</i>	Techny Globe Arborvitae	#3	POT	
8	K	<i>Taxus x media 'Tauntonii'</i>	Taunton Yew	#5	POT	
2	L	<i>Juniperus x pfitzeriana 'Sea Green'</i>	Sea Green Juniper	#3	POT	
20	M	<i>Spirea japonica 'Neon Flash'</i>	Neon Flash Spirea	#2	POT	
6	N	<i>Dierilla lonicera</i>	Dwarf Bush Honeysuckle	#2	POT	
28	O	<i>Ribes alpinum</i>	Alpine Currant	#3	POT	
4	P	<i>Weigela florida 'Rumba'</i>	Rumba Weigela	#2	POT	
43	Q	<i>Artemisia tridentata 'Merton'</i>	Iroquois Beauty Chokeberry	#3	POT	
14	R	<i>Potentilla fruticosa 'Fargo'</i>	Dakota Sunspot Potentilla	#3	POT	
41	S	<i>Cornus alba 'Regentium'</i>	Red Gnome Dogwood	#2	POT	

Qty.	Key	Scientific Name	Common Name	Size	Root	Notes
113	V	<i>Hemerocallis x 'Happy Returns'</i>	Happy Returns Daylily	#1	POT	
31	W	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	Feather Reed Grass	#1	POT	
167	X	<i>Rudbeckia fulgida 'Goldsturm'</i>	Black-eyed Susan	#1	POT	
39	Y	<i>Panicum virgatum 'Northwind'</i>	Northwind Switch Grass	#2	POT	

APPROVED BY FORESTRY
 [Signature]
 [Title]
 DATE

APPROVED BY PLANNING
 [Signature]
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 DATE

North Dakota Landscape Architect's Certification Stamp:
 I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am a duly Registered Landscape Architect under the laws of the State of North Dakota.
 Date: 5/19/14 Lic. No. 83
 Benjamin D. Harberg, P.L.A., A.S.L.A.
 North Dakota License Number: 83



Municipal Landscape Requirements:

(3) Trees per 100LF & (5) Shrubs per 25LF of Street Frontage:	15 Trees and 105 Shrubs Required
(1) Tree and (3) Shrubs per 20 On-Site Parking Spaces:	04 Trees and 12 Shrubs Required
Minimum Trees Required:	79
Minimum Shrubs Required:	243
Shrubs Proposed:	243
Total Lot Area:	169,892 SF
Open Space:	72,934 SF
Parking Lot Island Area:	9,656 SF