NATIVE SEEDING

Seed Bed Preparation

1. The Contractor shall remove stones, roots and sticks prior to seedbed preparation activities and kill any existing vegetation. All debris shall be disposed of off-site.

2. The Contractor shall prepare the seedbed with a unique rack or harrow to create a smooth level seedbed. The seedbed preparation activities shall reduce clod size to a minimum diameter of 2-inches and eliminate rivulets, gullies, crusting and caking. Working wet soils shall not be conducted. Following these seedbed preparation activities, the ground surface shall have minimum compaction, be smooth and level, and be free of debris to promote good seed to soil contact.

Seeding Specifications

1. The Contractor shall furnish, transport, and install all seed mixes in the areas specified on the Landscape Plan

2. Prairie seeding activities shall be performed after the seedbed has been properly prepared. Spring seeding shall occur between April 15 and June 15. Fall dormant seeding shall be conducted no earlier than November 1 and after the first frost and until the depth exceeds 1 inch.

3. The Contractor shall notify the Owner and/or the Owner's Agent 24 hours prior to planting.

a.Installation of specified seed mixtures shall be performed using a native seed drill and tractor mounted broadcast spreader. The seeding shall be conducted in the following manner with the drill installation conducted before the broadcast installation:

i. All of the seed oats, seventy-five percent (75%) by weight of the native grasses and twenty-five (25%) by weight of the forbes shall be installed with a native seed drill. This seed shall be buried to a 1/8-inch depth.

ii.Following drill seeding the remaining twenty-five percent (25%) and seventy-five percent (75%) of the forbes all shall be sown with a tractor mounted broadcast spreader. Additional oats can be added during the broadcast seeding if needed to improve metering of the seed mix.

4. All seed sources shall be within a 200-mile east-west radius and a 100-mile north-south radius of the site. Seeds shall be true to name and variety and have proper stratification and/or scarification to break dormancy for the appropriate planting seasons. Proof of origin shall be presented to the Owner and/or the Owner's Agent at the site prior to any seeding application. Seed mixes shall be supplied in pounds of Pure Live Seed (PLS). Purity and germination tests no older than twelve (12) months must be submitted for all seed supplied to verify quantities of bulk seed required to achieve the pounds of PLS specified. All species (grasses, sedges and forbes) will be supplied at 100% PLS. Seed not compliant with PLS requirements will be augmented with additional quantities in order to compensate for lack of viability and achieve specified amounts of PLS.

5. Installation of Wetland Seed Mix, Emergent Wetland Seed Mix and/or Stormwater Seed Mix (if specified) shall be performed with a tractor-mounted or ATV mounted broadcast spreader to ensure seed is placed on top of the ground surface (i.e. surface seeding). If the seeding area is too small or wet for a tractor (ATV), seed installation shall be hand-seeded or hydro-seeded using a hydraulic seeder. For hydro-seeding, the seed shall be installed with water only. Hydromulch shall not be mixed with the seed during the seed installation. APPROVAL from the Owner and/or the Owner's Agent is required prior to any hydraulic seeding.

6. The Contractor shall furnish seeds of specified local origin, hardy under the climate conditions at the project site, free of insects and diseases, and having the appearance of health, vigor, and habit normal for the species. Comply with applicable state and federal laws regarding inspections. All regulations applicable to the seed mix and landscape materials shall be followed.

7. The Contractor shall examine the grade, verify the elevations and water levels, observe the conditions under which work is to be performed, and notify the Owner and/or the Owner's Agent of unsatisfactory conditions. Proceeding with the work constitutes acceptance of existing conditions, including current water levels and soil conditions.

8. Seed shall not be sown during high winds or when the seedbed is not in the proper condition for seeding. Prior to starting work, calibrate all seeding equipment and adjust sow seed at the proper seeding rate. Operate equipment to ensure complete coverage of the entire area to be seeded.

9. Prior to installation, the Owner and/or Owner's Agent shall review any species substitutions and reserves the authority to deny use of any species if deemed inappropriate for the site.

10. All seed material shall be subject to inspection by the Owner and/or Owner's Agent prior to installation.

11. Contractor shall provide the Owner and/or Owner's Agent copies of all seed labels.

12. Seeding shall only occur in areas that will received the specified erosion control measures within 48 hours of seeding provided rain is not imminent. If rain is imminent, erosion control measures shall occur on the same day as seeding.

Erosion Control

1. Following seeding erosion control measures shall be completed within all newly seeded areas as shown on the Landscape Plan. If blankets are specified they shall be installed with staples following the manufacturer's specifications.

Pizzo NATIVE PLANT NURSERY

Pizzo Native Plant Nursery, LLC • 10729 Pine Road • Leland, IL 60531 • Phone : 815-981-8000 • www.pizzonursery.com

Woodland Seed Mix (Mesic Soils)

Mix Attributes	
Note Mix Without Supplemental Plugs	
Seeding Rate (lbs/acre)	30
Seeds/Sq Foot	30
Seeded Height (#1/# Circumference Ht)	1.5' (15.7" Circ) PLS
Number of Plants/Species in Mix	4 (Not Including Cover Crop)
Forbs	75%
Native Grasses	25%
Wetland Indicator Value	0.7
Percent of Mix in Wetlands	70%
Longevity of Native Seed	2-5 Yrs
Mature Seed Production	2-5 Yrs
Percent of Mix Seed Can Be Harvested for Propagation	30-75%

Designed for areas with mesic soils and moderate to dense native tree populations (10 or more mature canopy trees per acre), the canopy is mostly closed, with a light to moderate understory (small tree/shrub layer), resulting in part to full shade. This mix establishes a diverse herbaceous groundcover, providing habitat and a fuel source for conducting regular prescribed fire. Approximately 65% of this mix is composed of a diverse array of medium height wildflowers (average of 3.5' by seed count) blooming from April through October.

Grasses (Sedges, Rushes)																													
CODE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	W-VALUE	WETNESS	SEEDS/ MIX-Wtd	SEEDS/ Sq.Ft	PLS-OZ/ AC	PLS-LB/ 1000 SF	PLANT HT	BLOOM TIME	FLOWER COLOR				MOISTURE	SUN/SHA	USE/HAB	FLOWER SIZE	SEED PRODUCTION	SEEDS/OZ	GERMINATION	TOP GW
BROCAR	Bromus carinatus var.	Mt.Brome, California Brome	5	5	FACU-	0.5	0	0.5%		2-5'						5-10	SUN	PRA		0.5-1.5	14,000	0.5-1.5%	OW-SR
CAREDO	Carex stipata var.	Common Wood Sedge	5	5	FACW-	1.0	0	1.0%		1-2'						14-100	SUN/SHA	WOD		0.5-1%	14,000	0.5-1%	OW-SR
ELYCAN	Elymus canadensis var.	Canada Wild Rye, Canada Wild Ryegrass	5	5	FACU-	1.0	0	1.0%		3-5'						5-14	SUN/PSH	PRA		1-2.5%	2,500	1-2.5%	OW-SR
ELYVIR	Elymus virginicus	Virginia Wild Rye	5	5	FACW-	0.5	0	0.5%		2-4'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
GLYSTR	Glyceria striata	American Manna Grass	5	5	OBL	0.5	0	0.5%		1-3'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
PANVIR	Panicum virgatum	Panicum Switchgrass, Switchgrass	5	5	FACW-	1.0	0	1.0%		3-8'						5-14	SUN	PRA		1-2.5%	9,000	1-2.5%	OW-SR
SCHSCO	Schizachyrium scoparium	Little Bluestem	5	5	FACU-	1.0	0	1.0%		2-4'						5-14	SUN	PRA		1-2.5%	19,000	1-2.5%	OW-SR
SPOHET	Sporobolus heterolepis	Prairie Dropseed	5	5	FACU-	0.5	0	0.5%		1-2'						5-14	SUN	PRA		0.5-1%	4,400,000	0.5-1%	OW-SR
TRIPEN	Tridens flavus var. flavus	Purple Top	5	5	FAC-	0.5	0	0.5%		3-5'						14-100	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR

Forbs																													
CODE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	W-VALUE	WETNESS	SEEDS/ MIX-Wtd	SEEDS/ Sq.Ft	PLS-OZ/ AC	PLS-LB/ 1000 SF	PLANT HT	BLOOM TIME	FLOWER COLOR				MOISTURE	SUN/SHA	USE/HAB	FLOWER SIZE	SEED PRODUCTION	SEEDS/OZ	GERMINATION	TOP GW
ANGSYL	Angelica sylvestris var.palustris	Marsh Wind Root	5	5	OBL	0.5	0	0.5%		3-6'						14-100	SUN/SHA	WET		0.5-1.5%	14,000	0.5-1.5%	OW-SR
ASCSYR	Asclepias syriaca	Common Milkweed	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN	PRA		0.5-1%	4,400	0.5-1%	OW-SR
ASTNOV	Aster novae-angliae	New England Aster	5	5	FACW-	0.5	0	0.5%		3-8'						5-14	SUN/PSH	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
ASTPRE	Aster oolentangiensis	Prairie Sky Aster	5	5	FACU-	0.5	0	0.5%		2-3'						5-14	SUN	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CAMRAP	Campanula rapunculoides	Creeping Bellflower	5	5	UPL	0.5	0	0.5%		2-4'						5-14	SUN/PSH	DIS		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARBIC	Carex bicknellii	Bicknell's Sedge	5	5	UPL	0.5	0	0.5%		1-2'						14-100	SUN/SHA	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARCRI	Carex crinita	Fringed Sedge	5	5	OBL	0.5	0	0.5%		3-5'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARGRA	Carex grayii	Gray's Sedge	5	5	FACW-	0.5	0	0.5%		3-5'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARHAL	Carex hallii	Hall's Sedge	5	5	UPL	0.5	0	0.5%		1-2'						5-14	SUN	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARLEX	Carex lexonica	Lexonia Sedge	5	5	OBL	0.5	0	0.5%		1-2'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARSTI	Carex stipata var. maxima	Stalk-fruit Sedge	5	5	OBL	0.5	0	0.5%		2-4'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARVUL	Carex vulpinoidea	Fox Sedge	5	5	OBL	0.5	0	0.5%		1-3'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CICMAC	Cicuta maculata var.	Common Water Hemlock	5	5	OBL	0.5	0	0.5%		3-6'						14-100	SUN/SHA	WET		0.5-1.5%	14,000	0.5-1.5%	OW-SR
ELYCAN	Elymus canadensis var.	Canada Wild Rye, Canada Wild Ryegrass	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	PRA		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYVIR	Elymus virginicus	Virginia Wild Rye	5	5	FACW-	0.5	0	0.5%		2-4'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYRIP	Elymus riparius	Riverbank Wild Rye	5	5	FACW-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYSTR	Elymus hystrix	Porcupine Grass	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
																				Seed Totals:	1,000,000	7.00%	55.00%

Forbs																													
CODE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	W-VALUE	WETNESS	SEEDS/ MIX-Wtd	SEEDS/ Sq.Ft	PLS-OZ/ AC	PLS-LB/ 1000 SF	PLANT HT	BLOOM TIME	FLOWER COLOR				MOISTURE	SUN/SHA	USE/HAB	FLOWER SIZE	SEED PRODUCTION	SEEDS/OZ	GERMINATION	TOP GW
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ASCSYR	Asclepias syriaca	Common Milkweed	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN	PRA		0.5-1%	4,400	0.5-1%	OW-SR
ASTNOV	Aster novae-angliae	New England Aster	5	5	FACW-	0.5	0	0.5%		3-8'						5-14	SUN/PSH	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
ASTPRE	Aster oolentangiensis	Prairie Sky Aster	5	5	FACU-	0.5	0	0.5%		2-3'						5-14	SUN	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CAMRAP	Campanula rapunculoides	Creeping Bellflower	5	5	UPL	0.5	0	0.5%		2-4'						5-14	SUN/PSH	DIS		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARBIC	Carex bicknellii	Bicknell's Sedge	5	5	UPL	0.5	0	0.5%		1-2'						14-100	SUN/SHA	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARCRI	Carex crinita	Fringed Sedge	5	5	OBL	0.5	0	0.5%		3-5'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARGRA	Carex grayii	Gray's Sedge	5	5	FACW-	0.5	0	0.5%		3-5'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARHAL	Carex hallii	Hall's Sedge	5	5	UPL	0.5	0	0.5%		1-2'						5-14	SUN	PRA		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARLEX	Carex lexonica	Lexonia Sedge	5	5	OBL	0.5	0	0.5%		1-2'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARSTI	Carex stipata var. maxima	Stalk-fruit Sedge	5	5	OBL	0.5	0	0.5%		2-4'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CARVUL	Carex vulpinoidea	Fox Sedge	5	5	OBL	0.5	0	0.5%		1-3'						14-100	SUN/SHA	WET		0.5-1.5%	300,000	0.5-1.5%	OW-SR
CICMAC	Cicuta maculata var.	Common Water Hemlock	5	5	OBL	0.5	0	0.5%		3-6'						14-100	SUN/SHA	WET		0.5-1.5%	14,000	0.5-1.5%	OW-SR
ELYCAN	Elymus canadensis var.	Canada Wild Rye, Canada Wild Ryegrass	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	PRA		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYVIR	Elymus virginicus	Virginia Wild Rye	5	5	FACW-	0.5	0	0.5%		2-4'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYRIP	Elymus riparius	Riverbank Wild Rye	5	5	FACW-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
ELYSTR	Elymus hystrix	Porcupine Grass	5	5	FACU-	0.5	0	0.5%		3-5'						5-14	SUN/SHA	WOD		0.5-1.5%	2,500	0.5-1.5%	OW-SR
																				Seed Totals:	1,000,000	7.00%	55.00%

Leftover native seed shall be given to the Owner for storage and future re-seeding purposes if needed.

THREE-YEAR MANAGEMENT PERIOD ACTIVITIES

1. The work consists of the Contractor conducting routine ecological management activities during the three-year management and monitoring period in the naturalized planting areas as shown on the landscape plan to assist the Contractor in meeting required performance standards.

2. During the first two (2) growing seasons of the three-year period the Contractor shall high-mow the vegetation in the Prairie and/or Wet/Mesic Prairie areas several times during the growing season to ensure the vegetation does not exceed eighteen inches (18") in height. A rotary or flail type mower shall be used. During high-mowing, the vegetation shall be cut no lower than 6 to 9 inches so the native seeding are unharmed. Selective weed whipping can also be used if conditions are unfit (i.e., too wet) for a tractor, or if only small isolated areas of vegetation required cutting. In addition, cutting the inflorescence prior to seed set of many biennial species including teasel and sweet clover is an effective control method that can be utilized.

3. The Contractor shall conduct chemical and/or mechanical weed control activities in all of the naturalized seeded areas for a three-year period following planting/seeding. The Contractor shall conduct four annual weed control application periods (total of twelve (12) for the three-year period). The Contractor is responsible to achieve a 95% kill of reed canary grass, purple loosestrife, thistle and common reed and 80% kill of other problematic, nuisance species to successfully complete each of the application periods specified below.

   a. Application Period One (early spring): problematic species such as, but not limited to, reed canary grass, red/white cover, cattails.

   b. Application Period Two (late spring to mid-summer): problematic species such as, but not limited to, reed canary grass, while/yellow sweet cover, cattails, wild carrot, purple loosestrife and common reed.

   c. Application Period Three (mid to late summer): problematic species such as, but not limited to, reed canary grass, ragweed, cattails, purple loosestrife and common reed.

   d. Application Period Four (late summer to early fall): problematic species such as, but not limited to, reed canary grass, red/white cover, common reed.

4. As required by these planting specifications pre-planting weed control will be conducted if any problematic species are present. As for cattails, hand pulling cattails can be conducted when the cattails are small enough to ensure that the entire root is removed. Off-site disposal of cattails will be required. Larger cattails will require herbicide applications. Aggressive cattail control will be required after planting throughout the three-year management period to ensure plant establishment. After planting the hand-wick application method to control cattails shall be required.

5. If permitted, the Contractor shall conduct a prescribed burn in the prairie areas during the third growing season. The Contractor shall obtain all the required burn permits from the Illinois Environmental Protection Agency, City or Village, and local fire protect district and prepare all necessary documents required for the permit including a Burn Plan.

6. The Contractor shall irrigate all plant plugs as needed to achieve the survivorship requirements.

7. The Contractor shall remove and dispose of all planting enclosures during the second year of the management period.

PERFORMANCE CRITERIA

1. Within three (3) months of seed installation, at least 90% of the seeded area, as measured by aerial coverage, shall be vegetated. A minimum 90% vegetative coverage shall be maintained throughout and at the end of the three-year maintenance period for these areas. This standard does not apply to wetland plug areas (if planted).
2. At the end of the second growing season, a minimum of 75% vegetative coverage in the wetland plug area(s) shall be achieved and maintained throughout the end of the three-year maintenance period (if planted).
3. The stormwater management facilities shall not contain any rills greater than four inches (4") deep throughout and at the end of the three-year maintenance period.
4. At the end of the second and third growing seasons, no area greater than 1.0 square meters on slope areas shall be devoid of vegetation.
5. At the end of the second growing season, 30% seed mix presence for the prairie seed mix areas shall be achieved. At the end of the third growing season 50% seed mix presence for the prairie seed mixes shall be achieved.
6. At the end of the third growing season, the top three dominate species based on aerial coverage shall NOT be non-native species, cattail or reed grass
7. Relative coverage (determined by ocular estimation) of cattail shall be less than 10% throughout, and at the end of the three-year maintenance period.
8. Relative coverage (determined by ocular estimation) of common reed, reed canary grass, and loosestrife in aggregate shall be less than 5% throughout, and at the end of the three-year maintenance period.
9. Relative coverage (determined by ocular estimation) of thistle and teasel shall be less than 5% throughout, and at the end of the three-year maintenance period.
10. Plugs (if planted) must achieve 90% survivorship one (1) year from plant installation.

The Contractor shall water plant plugs (if planted) as needed in order to meet the performance criteria. The cost to irrigate is incidental to the contract and shall be included in the Contractor's bid price. The Contractor shall also perform vegetative management for three years following planting as specified under the section "Three-year Monitoring and Reporting Activities' to assist with meeting the Contractor Performance Criteria. If performance criteria are not achieved, Contractor is responsible to conduct additional activities, which may include supplemental seeding, supplemental planting and additional years of vegetation management to rectify areas at no additional cost to the Owner or to achieve performance.

MAINTENANCE SCHEDULE

Initial Establishment (First 1-3 Growing Seasons)
Watering: Daily for the first two weeks, then weekly through the first growing season, adjusting for rainfall.
Weeding: Monthly to control weeds before they outcompete new plants.
Mowing: For grass buffers, mow 3-4 times/year for the first 1-2 years, clipping weeds high (8-10 inches) to avoid harming young native plants.
Monitoring: Check tree tubes, inspect for animal nests, and replace dead or dying plants.

Perpetual Maintenance (Ongoing)
Inspections:
Monthly/Seasonally: Remove litter, debris, and excess sediment in forebays.
Annually: Inspect for erosion, structural damage, invasive species, and overall vegetation health; check inlets and outlets.
After Major Storms: Inspect for damage or erosion.

Vegetation Management:
Weed/Invasive Control: As needed, using mowing, mulching, or selective herbicides.
Replacements: Replace dead or unhealthy native plants to maintain a high vegetative cover.
Mowing: For grass zones, mow seasonally, but ensure native grass isn't cut too short.
Thinning/Pruning: Thin trees and shrubs as needed for proper growth.

Structural & Sediment Management:
Erosion Repair: Stabilize eroded banks and repair undercut areas.
Sediment Removal: Clean forebays (if any) when sediment reaches 50% capacity or every 5 years.
Clogging: Clear debris from inlets and outlets.
Other: Treat diseased trees and shrubs, aerate soil semi-annually, and remulch void areas as needed.

Key Considerations
Native Species Focus: Prioritize the growth and establishment of native, deep-rooted vegetation.
Invasive Species: Actively remove invasive plants that compete with native vegetation.

PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE/ TYPE
		DECIDUOUS SHADE TREES		
GTS	1	Gleditsia t.i.'Skyline'	Skyline Honeylocust	2.5" BB
		DECIDUOUS SHRUBS & SHRUB ROSES		
CSI	7	Corns s. 'Insanti'	Redosier Dogwood	30"/#5
HAA	3	Hydrangea a. 'Annabella'	Annabelle Hydrangea	24"/#5
SC	3	Sambucus canadensis	Elderberry	#5/30"
SBT	7	Spiraea betulifolia 'Tor'	Birchleaf Spirea	24"/#5
VBM	2	Viburnum d. 'Christom'	Blue Muffin Arrowwood Viburnum	36" BB
		EVERGREEN SHRUBS		
TMD	6	Taxis m. 'Densiformis'	Dense Yew	30" BB
		ORNAMENTAL GRASS & PERENNIALS		
SH	5	Sporobolus heterolepis	Prairie Dropseed	#1
		PERENNIALS		
HGB	5	Hemerocallis 'Going Bananas'	Going Bananas Daylily	#1

MATERIAL & LABOR LIST:

QTY	ITEM	DESCRIPTION
TBD SY	Seed w/ Straw Blanket	Kentucky Bluegrass Blend w/Perennial Rye S75 by North American Green (or equal)
5 CY	Mulch	Shredded Hardwood Bark
35 SF	Mulch	Compost (Yard Waste or Mushroom)
310 SY	Native Seed Mix w/ Straw Blanket	Woodland Seed Mix By: Pizzo Native Plant Nursey (or Equivalent)

GENERAL NOTES:

Plant material shall be nursery grown and be either balled and bur-lapped or container grown. Sizes and spreads on plant list represent minimum requirements.

The requirements for measurement, branching and ball size shall conform to the latest addition of ANSI Z60.1, AMERICAN STANDARD OF NURSERY STOCK by the American Nursery & Landscape Association.

Any materials with damaged or crooked/disfigured leaders, bark abrasion, sunscald, insect damage, etc. are not acceptable and will be rejected. Trees with multiple leaders will be rejected unless called for in the plant list as multi-stem or clump (cl.).

If any mistakes, omissions, or discrepancies are found to exist with the work product, the Landscape Architect shall be promptly notified so that they have the opportunity to take any steps necessary to resolve the issue. Failure to promptly notify the Landscape Architect and the Owner of such conditions shall absolve them from any responsibility for the consequences of such failure.

Under no circumstances should these plans be used for construction purposes without examining actual locations of utilities on site, and reviewing all related documents mentioned herein, including related documents prepared by the project Civil Engineer and Architect.

Civil Engineering or Architectural base information has been provided by others. The location of various site improvements on this set of drawings is only illustrative and should not be relied upon for construction purposes.

Quantity lists are supplied as a convenience. However, Bidders and the Installing Contractor should verify all quantities. The drawings shall take precedence over the lists. Any discrepancies shall be reported to the Landscape Architect.

Actions taken without the knowledge and consist of the Owner and the Landscape Architect or in contradiction to the Owner and the Landscape Architect's work product or recommendations, shall become the responsibility not of the Owner and the Landscape Architect, but for the parties responsible for the taking of such action.

Refer to Civil Engineering documents for detailed information regarding size, location, depth and type of utilities, as well as locations of other site improvements, other than landscape improvements,

Plant symbols illustrated on this plan are a graphic representation of proposed plant material types and are intended to provide for visual clarity. However, the symbols do not necessarily represent actual plant spread at the time of installation.

All plant species specified are subject to availability. Material shortages in the landscape industry may require substitutions. All substitutions must be approved by the Village, Landscape Architect and Owner.

The Landscape Contractor shall verify location of all underground utilities prior to digging by calling "J.U.L.I.E." (Joint Utility Location for Excavators) 1-800-892-0123 and any other public or private agency necessary for utility location.

All perennial, ornamental grass, groundcover and annual beds shall be top dressed with a minimum of three inches (3") of mushroom compost. The top dressing shall be worked into the soil to a minimum depth of nine inches (9") by the use of a cultivating mechanism. Upon completion perennials & ornamental grasses shall be mulched with an additional two inch (2") layer of shredded wood mulch; Annuals & groundcovers shall be covered with a two inch (2") layer of southern pine bark fines mulch.

All other planting beds and tree saucers shall be mulched with a minimum of three inches (3") of shredded wood mulch.

Planting beds adjacent to building shall be mulched in their entirety to the building foundation. Plant materials shall not be installed under building overhangs and other such areas which do not receive natural rainfall.

Mulch beds at the time of planting shall extend a minimum of two feet (2') beyond the center of a shrub.

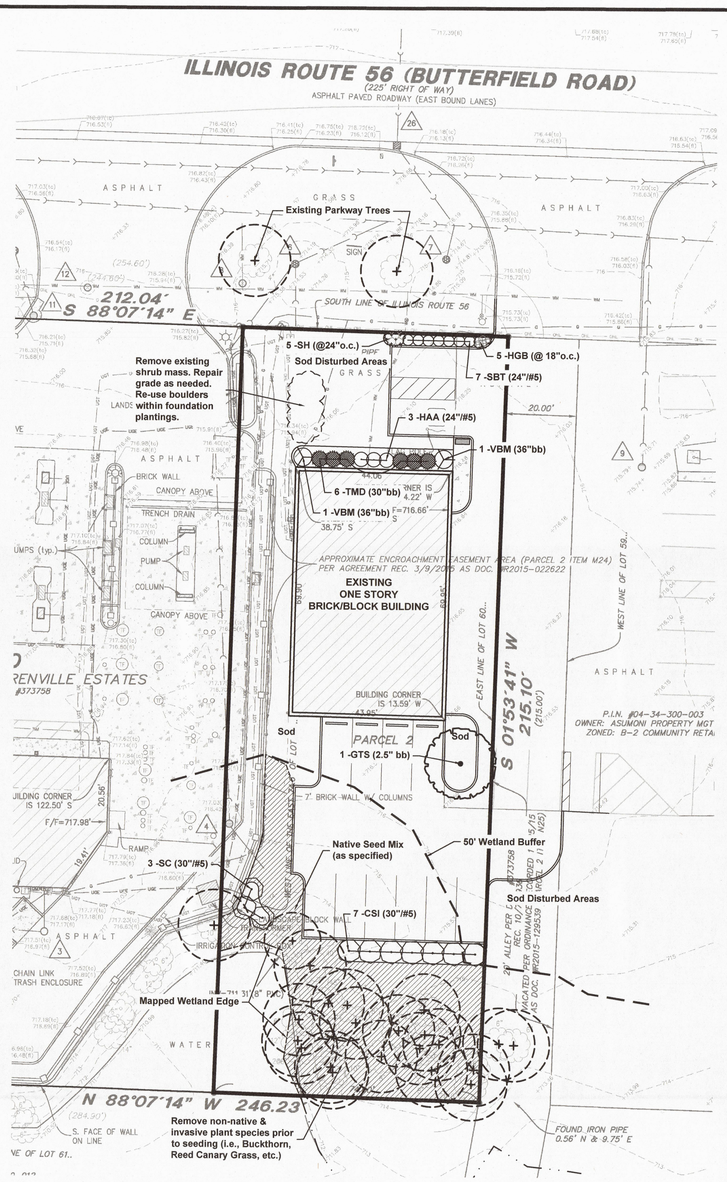
All bed lines and tree saucers shall require a hand spaded edge between lawn and mulched areas.

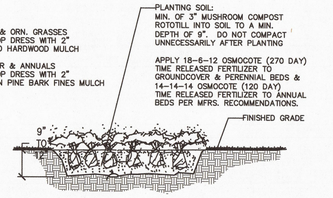
Grading shall provide slopes which are smooth and continuous. Positive drainage shall be provided in all areas.

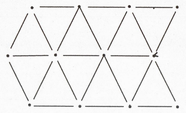
Sod shall be mineral base only.

Seed mixes shall be applied mechanically so that the seed is incorporated into the top one-half inch (1/2") of the seed bed. The seed shall then be covered with the specified blanket (installed per manufacturer's. specs) or Hydro-mulch.

All plant material shall be guaranteed for one (1) year from the date of acceptance.



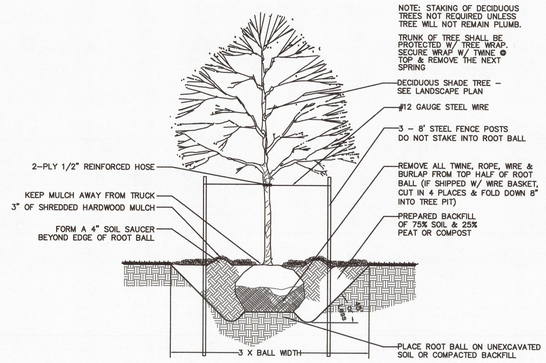




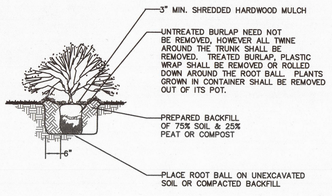
CERTAIN BULBS/PERENNIALS MAY REQUIRE OTHER PLANTING DEPTHS. CONSULT BULB DISTRIBUTOR FOR PRECISE DEPTHS.

SLICE, CUT, OR SEPARATE EXTERIOR ROOTS ON ROOT-BOUND CONTAINER PLANTS TO PROMOTE ROOT GROWTH.

BED PLANTING DETAIL
(PERENNIALS, ORNAMENTAL GRASSES VINES, GROUNDCOVER & ANNUALS)
n.t.s.

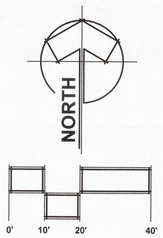


DECIDUOUS TREE
n.t.s.



SHRUBS
n.t.s.

811 Know what's below. Call before you dig.



REVISIONS

If this plan is not 24" x 36" in size, then it is a reproduction that may not be to scale

PROPOSED AUTO DETAILING SHOP

29w719 BUTTERFIELD ROAD
WARRENVILLE, ILLINOIS

SEAL:

METZ & COMPANY
LANDSCAPE ARCHITECTURE/SITE PLANNING
826 East Maple Street
Lombard, Illinois 60148
PH: 630.561.3903
www.metz-company.com

TITLE
LANDSCAPE PLAN

PROJ