

## GENERAL PLANTING NOTES

- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE CITY OF WICHITA PARK AND RECREATION DEPARTMENT AND THE ENGINEER/ LANDSCAPE ARCHITECT TO ADDRESS ANY QUESTIONS AND IDENTIFY ANY TREES WHICH NEED TO BE PROTECTED.
- LANDSCAPE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL MATERIALS AS SPECIFIED HEREIN AND SHOWN ON THE PLANS.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE THE PLANT LIST AS DEEMED NECESSARY.
- QUANTITIES OF PLANT MATERIALS SHOWN ON THE PLAN TAKE PRECEDENCE OVER THE QUANTITIES SHOWN ON THE PLANT SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANTING PLAN.
- REPORT DISCREPANCIES IN THE PLANTING PLAN TO THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING MATERIALS OR COMMENCING CONSTRUCTION.
- REVIEW PART 900- LANDSCAPE AND IRRIGATION IN THE CITY OF WICHITA'S STANDARD SPECIFICATIONS FOR ADDITIONAL PROJECT RESPONSIBILITIES AND INSTRUCTIONS.

### SITE PREPARATION AND EARTHWORK

- PRIOR TO ANY EXCAVATION FOR LANDSCAPING PURPOSES, THE LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE DETERMINED BY CALLING KANSAS ONE CALL AT 811 (AS OF SUMMER 2007) OR 1-800-DIG-SAFE OR 316-687-2470. CONTRACTOR SHALL CALL A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO EXISTING UTILITIES.
- TOPSOIL HAULED TO THE SITE SHALL BE FERTILE, FRIABLE, NATURAL LOAM SOIL OF UNIFORM QUALITY CHARACTERISTIC OF REPRESENTATIVE LOCAL SOILS WHICH PRODUCE HEAVY GROWTH OF CROPS GRASSES, OR OTHER VEGETATION. SOIL SHALL BE FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS ROOTS, STONES, TRASH, OR ANY OTHER DELETERIOUS MATERIALS.
- TOPSOIL SHALL BE DELIVERED IN AN UNFROZEN AND NON-MUDDY CONDITION AND SHALL BE SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT. SOLUBLE SALTS SHALL NOT EXCEED 500 ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 1.5% BY WEIGHT. pH SHALL RANGE BETWEEN 6.0 AND 7.5.
- LANDSCAPE CONTRACTOR SHALL HAVE TOPSOIL TESTED BY A CERTIFIED TESTING LABORATORY AND OBTAIN RECOMMENDATIONS FOR SOIL AMENDMENT TYPE(S) AND QUANTITIES. SUBMIT A COPY OF THIS REPORT TO THE LANDSCAPE ARCHITECT FOR THEIR RECORDS. RECOMMENDATIONS SHALL BE SPECIFIC TO THE TOPSOIL USED AND THE PLANT MATERIALS SPECIFIED IN THE PLANS. A SAMPLE OF THE TOPSOIL TO BE USED SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
- TOPSOIL:
 

THE LANDSCAPE CONTRACTOR SHALL VERIFY THE EXISTENCE OF A MINIMUM OF 4" OF VIABLE TOPSOIL IN AREAS THAT HAVE HAD NO STRIPPING OPERATIONS AND THAT SHALL BE SEEDED. IF LESS THAN 4" EXIST, THE LANDSCAPE CONTRACTOR SHALL ADD TOPSOIL TO THESE AREAS.

IN AREAS THAT HAVE BEEN STRIPPED FOR GRADING AND CONSTRUCTION PURPOSES, NO LESS THAN 4" OF TOPSOIL SHALL BE SPREAD EVENLY OVER THOSE AREAS PRIOR TO SEEDING OPERATIONS.

IN AREAS THAT ARE TO BE PLANTED WITH SHRUBS, NO LESS THAN 12" OF TOPSOIL SHALL BE SPREAD.

### PLANTING PREPARATION

- CULTIVATE PLANTING BEDS TO A DEPTH OF 8". TILL AMENDMENTS INTO THE PLANTING BEDS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.
- BACKFILL: FOR PLANT EXCAVATIONS, BACKFILL SHALL BE CLEAN, NATURAL TOPSOIL, MIXED WITH AMENDMENTS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.

### PLANTING MATERIALS

- PLANT MATERIALS SHALL BE WELL FORMED AND DEVELOPED IN GOOD CONDITIONS, HEALTHY AND DISEASE-FREE, AND BE TYPICAL OF THE SPECIES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMAN'S "AMERICAN STANDARD OF NURSERY STOCK". HEIGHT OF PLANT MATERIALS SHALL BE MEASURED FROM EXISTING SOIL LINE AT TOP OF ROOTBALL TO TOP OF CROWN.
- PLANT MATERIALS SHALL BE PROTECTED BY THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED ROOT BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESSICANT BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WIND BURN. REAPPLY ANTI-DESSICANT AFTER PLANTING TO REDUCE TRANSPIRATION.
- PLANTS DESIGNATED CONTAINER GROWN SHALL HAVE BEEN GROWN IN POTS, CANS OR BOXES FOR A MINIMUM OF SIX MONTHS AND A MAXIMUM OF TWO YEARS. THESE PLANTS SHALL BE REMOVED FROM CONTAINERS BEFORE PLANTING. PLANTS THAT APPEAR ROOT-BOUND SHALL BE REJECTED.
- PLANT LOCATIONS ARE APPROXIMATE. ADJUST AS NECESSARY TO AVOID CONFLICTS.
- USE TRIANGULAR SPACING ON ALL NATIVE FORBS AND PERENNIALS.
- PLANT SUBSTITUTIONS WILL ONLY BE ALLOWED UNDER THE FOLLOWING CIRCUMSTANCES: LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SUBSTITUTION REQUEST TO THE LANDSCAPE ARCHITECT STATING WHAT PLANTS TO BE SUBSTITUTED AND THE REQUESTED SUBSTITUTION PLANT ALONG WITH EXPLANATION OF SUBSTITUTION REQUEST. NO SUBSTITUTION SHALL CONSTITUTE AN INCREASE IN THE COST FROM THE ORIGINAL CONTRACT AMOUNT. ANY PLANT SUBSTITUTIONS MADE WITHOUT APPROVAL SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF INSPECTION AT NO COST TO THE PROJECT.
- PLACE 4" OF MULCH IN ALL TREE SAUCERS AND AROUND INDIVIDUAL SHRUB PLANTINGS LOCATED IN THE PLANTING BEDS SHOWN ON THE PLANS.
- ALL AREAS TO BE PLANTED WITHIN THE GATEWAY PLANTING SHALL BE TREATED WITH ROUND UP OR OTHER SIMILAR PRODUCT WITH GLYPHOSPHATE IN ORDER TO KILL ANY EXISTING WEEDS PRESENT. TREATED AREAS SHOULD NOT BE PLANTED UNTIL THE MANUFACTURER'S RECOMMENDED WAITING PERIOD HAS PASSED. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE AND MANUFACTURER'S PRODUCT LABELING.

22. PLANTING BEDS RECEIVING MULCH SHALL BE FREE OF WEEDS, GRASS AND DEBRIS. TREAT BEDS WITH A PRE-EMERGENT WITH TRIFLURALIN, SUCH AS PREEN OR BARRICADE, PRIOR TO PLANTING AND MULCH PLACEMENT. A SECOND APPLICATION SHOULD BE APPLIED IF WEEDS EMERGE PRIOR TO COMPLETION OF WORK. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE AND MANUFACTURER'S PRODUCT LABELING.

### RELATED ITEMS

23. MULCH: USE SHREDDED HARDWOOD MULCH FOR ALL TREE SAUCERS AND INDIVIDUAL SHRUB PLANTING AREAS.

### MAINTENANCE AND CLEAN-UP

- THE CONTRACTOR SHALL PROVIDE ALL WATER, WATERING DEVICES, AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS FOR THE GREATER OF 45 DAYS OR UNTIL PROVISIONAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL SUPPLY ENOUGH WATER TO MAINTAIN THE PLANTS' HEALTHY CONDITION THROUGHOUT THE MAINTENANCE PERIOD.
- REMOVE ALL RUBBISH, EQUIPMENT, AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.
- REMOVE SOIL OR DIRT THAT HAS ACCUMULATED ON PAVED SURFACES DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.
- FERTILIZE ALL PLANTS WITH A 10-20-10 COMMERCIAL, SLOW-RELEASE FERTILIZER AS DIRECTED BY INSTRUCTIONS ON PRODUCT LABEL.
- LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. MAKE CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED.
- CONTRACTOR SHALL NOT DO ANY PRUNING OF PLANT MATERIALS IN CONFLICT WITH THE PROPOSED BIKE PATH ROUTE OR CONSTRUCTION UNTIL MEETING WITH PARK AND RECREATION DEPARTMENT PERSONNEL AND PROJECT LANDSCAPE ARCHITECT.
- LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES, GUYS, AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.

## SEED NOTES

- BUFFALO GRASS SEED SHALL BE LOCALLY AVAILABLE CODY OR TEXOKA VARIETIES. SEED AT 3 LBS/ 1000 SF FOR NEW LAWN AREAS AND DISTURBED AREAS AROUND THE GATEWAY PLANTING. APPLY PURE NITROGEN FERTILIZER AT A RATE OF 2 LBS/ 1000 SF.
- PRAIRIE SEED MIX SHALL BE APPLIED IN AREA WITHIN CONCRETE MOW STRIP, AS INDICATED ON PLANS. PRAIRIE SEED MIX SHALL CONSIST OF THE FOLLOWING MIX OF SEED:
 

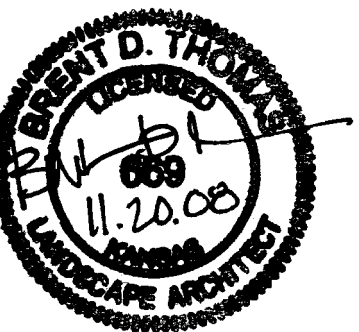
-CODY BUFFALO GRASS	3 LBS/1000 SF	13.5 LBS.
-SHARP BROS. SEED "KNEE HIGH" WILDFLOWER MIX	0.5 OZ/1000 SF	2 LBS.
-LOVINGTON BLUEGRAMA	0.25 OZ/1000 SF	1 LB.
-EL RENO SIDEWAYS GRAMA	0.25 LB/1000 SF	1.25 LBS.
-BLAZE LITTLE BLUESTEM	0.25 LB/1000 SF	1.25 LBS.

APPLY PURE NITROGEN FERTILIZER AT A RATE OF 2 LBS/ 1000 SF.
- PRAIRIE SEED MIX AND BUFFALO GRASS SEED MIXTURES SHALL BE FRESH, CLEAN NEW CROP SEED. LANDSCAPE CONTRACTOR SHALL PROVIDE LANDSCAPE ARCHITECT WITH DEALER'S GUARANTEED STATEMENT OF COMPOSITION OF MIXTURE/ BULK SEED QUANTITIES, PURE LIVE SEED, PERCENTAGE OF PURITY AND GERMINATION RATE OF SEED PRIOR TO PURCHASE.
- LANDSCAPE CONTRACTOR TO DRILL PRAIRIE SEED MIX AND BUFFALO GRASS SEED WITH A DRILL SPECIFICALLY SUITED FOR SEEDING NATIVE PRAIRIE GRASSES. PLANT SEED NO DEEPER THAN 1/2" BELOW SURFACE.
- PROTECT SEEDED AREAS FROM EROSION BY SPREADING WEED-FREE STRAW MULCH TO FORM A CONTINUOUS BLANKET 1-1/2" LOOSE DEPTH AND CRIMP IN TO SOIL BY SUITABLE METHODS.
- SEED BUFFALO GRASS AND PRAIRIE SEED MIX DURING THE SEED DATES LISTED BELOW. IF SEEDING CANNOT OCCUR DURING THESE DATES, THEN TEMPORARY SEEDING OF ANNUAL RYE SHALL BE PLACED IN THOSE AREAS AT A RATE OF 2 LBS/ 1000 SF UNTIL THE FOLLOWING SEASON. IF SEEDING OCCURS DURING SUMMER MONTHS AFTER MAY 15TH AND PRIOR TO SEPTEMBER 15TH, ADDITIONAL WATERING MAY BE NECESSARY FOR ESTABLISHMENT. PERMANENT SEEDING SHALL BE PAID AS SQUARE FEET "PERMANENT SEEDING". TEMPORARY SEEDING SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF PROJECT SEEDING. COSTS OF DELAYED PERMANENT SEEDING SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT SEEDING.
 

OPTIMUM SEED DATES:	APRIL 1- APRIL 20
ACCEPTABLE SEED DATES:	MARCH 1- MAY 15
- SEEDING PROCESS: BEGINNING AS EARLY IN MARCH AS POSSIBLE, TILL ENTIRE AREA TO BE SEEDED TO DESTROY EXISTING VEGETATION AND LEAVE A FIRM, FRIABLE SEEDBED. TILL AREA TO BE SEEDED IN THREE SUCCESSIVE SHALLOW TILLINGS, APPROXIMATELY TWO WEEKS APART TO REMOVE ALL DEAD PLANT MATERIAL AND NEW GROWTH WEEDS. DO NOT TILL DURING WET WEATHER WHEN RUTTING MAY BE A PROBLEM.

## PLANT SCHEDULE

Qty.	Scientific Name	Common Name	Size	Condition	Spacing	Remarks	Flower Color	Flower Season
<b>SHADE TREES</b>								
6	<i>Acer rubrum x freemanii</i> 'Autumn Blaze'	Autumn Blaze Maple	2- 1/2"	B&B	As shown	Full & Healthy		
2	<i>Gleditsia triacanthos</i>	Shademaster Honeylocust	2- 1/2"	B&B	As shown	Full & Healthy		
2	<i>Quercus shumardii</i>	Shumard Oak	2- 1/2"	B&B	As shown	Full & Healthy		
4	<i>Ulmus parvifolia</i>	Lacebark Elm	2- 1/2"	B&B	As shown	Full & Healthy		
<b>ORNAMENTAL TREES</b>								
5	<i>Malus 'Prairiefire'</i>	Prairiefire Crabapple	2"	B&B	As shown	Full & Healthy	Red	April
10	<i>Malus 'Spring Snow'</i>	Spring Snow Crabapple	2"	B&B	As shown	Full & Healthy	White	April
6	<i>Pyrus calleryana 'Capital'</i>	Capital Pear	2"	B&B	As shown	Full & Healthy	White	April
<b>CONIFEROUS TREES</b>								
3	<i>Juniperus virginiana</i>	Eastern Red Cedar	5-8"	B&B/ Cont	As shown	Full & Healthy		
6	<i>Pinus nigra</i>	Austrian Pine	5-8"	B&B/ Cont	As shown	Full & Healthy		
2	<i>Pinus strobiformis</i>	Southwestern White Pine	5-8"	B&B/ Cont	As shown	Full & Healthy		
<b>GRASSES/ FORBS</b>								
75	<i>Calamagrostis x acutifloria 'Karl Foerster'</i>	Karl Foerster Feather Reed Grass	1 Gal.	Cont.	18" OC	Full & Healthy		
139	<i>Pennisetum alopecuroides 'Hameln'</i>	Dwarf Hameln Fountain Grass	1 Gal.	Cont.	18" OC	Full & Healthy		
<b>SHRUBS</b>								
52	<i>Juniperus chinensis 'Kallays Compacta'</i>	Kallay Pfitzer Juniper	2 Gal.	Cont.	5' OC	Full & Healthy		
27	<i>Lagerstroemia indica 'Nana Victor'</i>	Dwarf Victor Crapemyrtle	1 Gal.	Cont.	3' OC	Full & Healthy	Red	July- Sept.
32	<i>Potentilla fruticosa 'Abbottswood'</i>	Abbottswood Potentilla	1 Gal.	Cont.	3' OC	Full & Healthy	White	All summer
<b>PERENNIALS</b>								
12	<i>Achillea millefolium 'Summer Pastels'</i>	Yarrow	1 Gal.	Cont.	18" OC	Full & Healthy	Multiple/ Pastels	June- Sept.
20	<i>Echinacea purpurea 'Magnus'</i>	Coneflower	4" Pot	Cont.	18" OC	Full & Healthy	Purple	July- Sept.
23	<i>Hemerocallis 'Stelle de Oro'</i>	Daylily	4" Pot	Cont.	18" OC	Full & Healthy	Orange/ Yellow	Summer thru Frost
12	<i>Leucantheum 'Alaska'</i>	Shasta Daisy	1 Gal.	Cont.	30" OC	Full & Healthy	White	June- Oct.
14	<i>Liatris spicata 'Floristan Violet'</i>	Gayfeather	1 Gal.	Cont.	18" OC	Full & Healthy	Purple	July- Aug.
285	<i>Liriope muscaril 'Big Blue'</i>	Big Blue Liriope	4" Pot	Cont.	18" OC	Full & Healthy	Purple	July- Sept.
18	<i>Monarda didyma 'Jacob Kline'</i>	Monarda/ Bee Balm	4" Pot	Cont.	18" OC	Full & Healthy	Red	June- Sept.
26	<i>Perovskia atriplicifolia</i>	Russian Sage	1 Gal.	Cont.	30" OC	Full & Healthy	Violet	July- Oct.
17	<i>Rudbeckia fulgida 'Goldsturm'</i>	Black Eyed Susan	4" Pot	Cont.	18" OC	Full & Healthy	Yellow	July- Oct.
35	<i>Salvia nemorosa 'Marcus'</i>	Salvia	4" Pot	Cont.	18" OC	Full & Healthy	Purple/ Violet	June- Sept.



21st STREET STREETScape- I-135 TO GROVE  
**LANDSCAPE DETAILS**  
 WICHITA, KANSAS

<p><b>Ruggles &amp; Bohm, P.A.</b>                  Engineering, Surveying, Land Planning</p>	924 North Main Wichita, Kansas 67203 www.rbkansas.com	(316) 264-8008 (316) 264-4621 fax E-mail: info@rbkansas.com	DESIGN BDT DRAWN BDT REVIEW UTILITY DATE October 2008	SHEET 12 OF 16
	DRAWING FILE ENG BASE {LAYOUT}	PROJECT NUMBER 472-84728		