

FORM REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
	KANSAS				

## PLANTING NOTES

### GENERAL

- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE OWNER AND THE LANDSCAPE ARCHITECT FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
- LANDSCAPE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL MATERIALS AS SPECIFIED HEREIN AND AS 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 MATERIALS ARE UNAVAILABLE. ANY MATERIALS SUBSTITUTIONS SHALL BE SUBJECT TO RIGHT TO REUSE PLANT LIST AS DETERMINED NECESSARY.
- QUANTITIES OF MATERIALS SHOWN ON THE PLANNING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES ON THE PLANNING PLAN.
- REPORT DISCREPANCIES IN THE PLANNING PLAN TO THE LANDSCAPE ARCHITECT, PRIOR TO PURCHASING MATERIALS OR STARTING CONSTRUCTION.
- REVIEW THE LANDSCAPE SPECIFICATION SECTION LOCATED IN THE PROJECT MANUAL FOR ADDITIONAL PROJECT INSTRUCTIONS AND RESPONSIBILITIES.

### SITE PREPARATION AND EARTHWORK

- CONTRACTOR SHALL LOCATE UTILITIES BEFORE COMMENCING WORK. LOCATE EXACT UTILITY LOCATIONS BY CONTACTING KANSAS ONE-CALL CENTER AT (316) 687-2470. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES RESULTING FROM LANDSCAPE OPERATIONS. ANY UTILITIES SHOWN ON PLAN ARE FOR REFERENCE ONLY, AND MAY NOT DEPICT THE ACTUAL LOCATION OF SERVICES.
- PROTECT AND SAVE THE EXISTING PLANT MATERIALS SHOWN ON PLANS UNLESS NOTED TO BE REMOVED. PLACE SNOW-FENCE AT DIBP-LINE OF ALL PLANT MATERIALS TO REMAIN. DO NOT STOCKPILE MATERIALS OR EQUIPMENT, NOR CLEAN EQUIPMENT WITHIN THIS AREA.
- 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 RECORD. RECOMMENDATIONS SHALL BE PROVIDED TO THE CONTRACTOR TO BE USED TO CORRECT DEFICIENCIES SHOWN ON THE DRAWINGS. A SAMPLE OF THE TOPSOIL TO BE USED SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, PRIOR TO INSTALLATION.
- TOPSOIL SHALL BE A FRIABLE LOAM WITH GOOD STRUCTURE. SOLUBLE SALTS SHALL NOT EXCEED 500ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 1.5% BY WEIGHT. PH SHALL RANGE BETWEEN 6.0 AND 7.5.
- LANDSCAPE CONTRACTOR TO VERIFY THE EXISTENCE OF A MINIMUM OF 4" OF Viable TOPSOIL IN AREAS THAT HAVE HAD NO STRIPPING OPERATIONS AND THAT SHALL BE SEED. 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.
- AREAS THAT ARE TO BE PLANTED WITH SHRUBS, NO LESS THAN 12" OF TOPSOIL SHALL BE DEMARKED TO HAVE EXISTING ROCK SURFACING MATERIAL EXCAVATED. REMOVE ROCK TO ORIGINAL FINISHED BULKHEAD, DISPOSE TO A DEPTH OF 10'-12' AND ADD 6" OF TOPSOIL. RESTORE ANY DISTURBED AREAS TO ORIGINAL CONDITION FILLING RUTS, AERATING COMPACTED AREAS AND SEEDING.

### SHRUB PLANTING PREPARATION

- CULTIVATE PLANTING BEDS TO A DEPTH OF 8" TILL AMENDMENTS INTO THE PLANTING BED AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.
- BACKFILL: FOR PLANT EXCAVATIONS TO BE CELESTIAL NATURAL, MIXED WITH AMENDMENTS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.
- WHEN CLAY SOIL IS ENCOUNTERED IN THE ESTABLISHMENT OF THE LAWN OR THE INSTALLATION OF PLANT MATERIALS, IT SHALL BE IMPROVED IN ACCORDANCE WITH STANDARD TRADE PRACTICE. LANDSCAPE CONTRACTOR SHALL TAKE MEASURES TO ENSURE ADEQUATE DRAINAGE.
- TREES TO BE PLANTED WITHIN THE ABANDONED RAILROAD BED SHALL HAVE TREE PITS DUG A MINIMUM OF 3 TIMES WIDER THAN THE ROOT BALL. EXCAVATE PIT TO 3' BELOW BALL AND BACKFILL WITH APPROVED BACKFILL MATERIAL. PLANT TREE APPROXIMATELY 6" HIGHER IN THIS CONDITION TO ACCOUNT FOR BACKFILL SETTLEMENT.

### PLANTING MATERIALS

- PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, 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 NURSERYMANS' 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 FROM 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. PERIODICLY IRRIGATE MULCH TO KEEP IT MOIST. BRANCHES OF PLANTS SHALL BE PROTECTED FROM DRYING ACTION BY WRAPPING THEM WITH MOIST MULCH. PLANTS SHALL BE PLANTED IMMEDIATELY AFTER ARRIVAL. ANTI-DESICCANT TO LEAVES BEFORE TRANSPORT TO REDUCE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESICCANT AFTER PLANTING TO REDUCE TRANSPIRATION.
- PLANTS DESIGNATED CONTAINER GROWN SHALL HAVE BEEN GROWN IN POTS, GANS OR BOXES FOR AT LEAST 1 YEAR. PLANTS SHALL BE PLANTED IMMEDIATELY AFTER ARRIVAL. PLANTS 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 IN PLANTING ALL NATIVE FORBS AND PERENNIALS.
- PLANT SUBSTITUTIONS WILL ONLY BE ALLOWED UNDER THE FOLLOWING CONDITIONS: LANDSCAPE CONTRACTOR SHALL SUBMIT WRITTEN REQUESTS TO THE LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT SHALL REVIEW REQUESTS AND PROVIDE WRITTEN RESPONSES. 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 COST FROM THE ORIGINAL CONTRACT AMOUNT.

### RELATED ITEMS

- ALL BEDS ARE TO HAVE A SHOVEL CUT EDGE PER DETAIL TO PROVIDE SEPARATION FROM SEEDBED AREAS.
- MULCH: CYPRESS MULCH: PLACE 4" CYPRESS MULCH FOR ALL TREE SAUCERS AND INDIVIDUAL SHRUB PLANTING. RAINGARDENS SHALL HAVE 3"-4" OF CYPRESS MULCH SPREAD EVENLY.
- PLANTING BEDS RECEIVING MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH LAYERMENT. A SECOND APPLICATION SHOULD BE APPLIED IF WEEDS EMERGE PRIOR TO COMPLETION OF WORK. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
- LANDSCAPE CONTRACTOR TO INCORPORATE A MYCORRHIZAL INOCULANT IN ALL PLANTING PITS. USE A BROAD SPECTRUM ENDO AND EXTO-MYCORRHIZAL PRODUCT IN GRANULAR OR TABLE FORM.

### RAINGARDENS

- RAINGARDEN SOIL MIX SHALL BE A MATRIX COMPOSITION PER THE FOLLOWING:  
- 20%-30% TOPSOIL  
- 30%-20% COMPOST  
- 50% SAND
- LANDSCAPE CONTRACTOR TO PLACE 12" OF CLEAN SINGLE-SIZED 3/4" DRAINAGE ROCK BELOW THE RAINGARDEN SOIL MIX. WRAP FILTER FABRIC CONTINUOUSLY AROUND DRAINAGE ZONE. THE CONTRACTOR IS TO ENSURE THAT THE EDGES OF THE FILTER FABRIC OVERLAP A 6" MIN.
- ANY RAIN GARDENS LOCATED DIRECTLY NEXT TO CONCRETE PATHS OR PADS ARE TO HAVE A CURBRAIN WALL OF GEOTEXTILE FABRIC RUNNING ALONG ADJACENT EDGES.
- DO NOT APPLY PRE-EMERGENT HERBICIDE TO RAINGARDEN PLANTING AREAS. WEED CONTROL SHALL BE DONE BY HAND-WEEDING OR SPECIFIC HERBICIDE APPLICATION TO WEEDS.
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### STONE MATERIAL

- STONE TO BE USED AT RAINGARDENS TO BE 4" THICK ARKANSAS SANDSTONE. CONTACT LANDSCAPE ARCHITECT FOR FINAL STONE SELECTION AT THE SOURCE.

### MAINTENANCE AND CLEAN-UP

- THE CONTRACTOR SHALL PROVIDE ALL WATER, WATERING DEVICES AND LABOR NEEDED TO IRRIGATE PLANT MATERIALS FOR THE GREATER OF 90 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 AND BRANCHED STATE. 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 ACCUMULATED DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.
- FERTILIZE ALL PLANTS WITH 10-20-10 COMMERCIAL SLOW-RELEASE FERTILIZER AS DIRECTED BY INSTRUCTIONS ON FERTILIZER. NO FERTILIZERS TO BE APPLIED TO NATIVE GRASS SEEDBED AREAS.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LAWN AND LANDSCAPE FOR A PERIOD OF NINETY (90) DAYS OR PROVISIONAL ACCEPTANCE, WHICH EVER IS GREATER. THIS INCLUDES MOWING, WEEDING, WATERING AND TRIMMING THE EDGES OF GRASS. FREQUENTLY INTERMEDIATE MOWING AND TRIMMING OF MOWED AREAS TO MAINTAIN A CONTROLLED WEED GROWTH, PATCHING, & RESEEDING FLOODED AREAS.
- 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 SHAPE OR SHAPE OF PLANT. MAKE CUTS CLEAN, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED.
- LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES, GUYES, AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.

## MASTER PLANT MATERIAL SCHEDULE

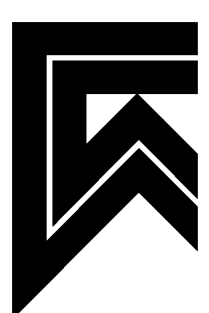
Quantity	Scientific Name	Common Name	Size (Min.)	Height (Min)	Comments
1	Acer truncatum	SHANTUNG MAPLE	2"-Col.	10'-12'	-
2	Celtis occidentalis	COMMON HACKBERRY	2 1/2"-Col.	10'-12'	-
5	Morus 'Patriotree'	PRAIRIERE CRABAPPLE	1 1/2"-Col.	6'	-
16	Morus 'Red Jade'	RED JADE WEeping CRABAPPLE	1 1/2"-Col.	6'	-
25	Morus 'Snowdrift'	SNOWDRIFT CRABAPPLE	1 1/2"-Col.	6'	-
15	Pistacia chinensis	CHINESE PISTACH	2 1/2"-Col.	8'-10'	-
3	Salix babylonica	WEeping WILLOW	2 1/2"-Col.	8'-10'	-
67	Ulmus parvifolia	LACEBARK ELM	2 1/2"-Col.	10'-12'	-

### SHRUBS

2	Hydrangea sylvatica	ROSE OF SHAREN	5-Col.	24"	-
20	Juniperus horizontalis	YOUNGSTOWN ANDORRA JUNIPER	3-Col.	10"	-
66	Juniperus scopulorum	WICHITA BLUE JUNIPER	5-Col.	24"	-
8	Lagerstroemia indica x fauriei	HYBRID GRAPEWORTLE	3-Col.	24"	-
20	Pyracantha agustifolia 'Monon'	YUKON BELLE PYRACANTHA	1-Col.	10"	-

### PERENNIALS

Quantity	Scientific Name	Common Name	Size (Min.)	Height (Min)	Comments
18	Asclepias incarnata	SWAMP MILKWEED	Flot	-	2' x2' x5" Cell
100	Aster novae-angliae	NEW ENGLAND ASTER	Flot	-	2' x2' x5" Cell
266	Baptisia australis	FALSE INDIGO	Flot	-	2' x2' x5" Cell
32	Calliandra verticillata	FEATHER REED GRASS	Flot	-	2' x2' x5" Cell
166	Echinoacea purpurea	CONE FLOWER	Flot	-	2' x2' x5" Cell
17	Eupatorium purpureum	JOE-PYE WEED	Flot	-	2' x2' x5" Cell
60	Liatris scariosa	GAYFEATHER	Flot	-	2' x2' x5" Cell
14	Miscanthus sinensis	MAIDEN GRASS	3-Col.	-	-
242	Monarda fistulosa	WILD BERGAMOT	Flot	-	2' x2' x5" Cell
38	Panicum virgatum	SWITCH GRASS	3-Col.	-	-
132	Phlox glaberrima	MARSH PHLOX	Flot	-	2' x2' x5" Cell
324	Pycnanthemum tenuifolium	SLENDER MOUNTAIN MINT	Flot	-	2' x2' x5" Cell
166	Rudbeckia hirta var pulcherrima	BLACK-EYED SUSAN	Flot	-	2' x2' x5" Cell
18	Vernonia noveboracensis	IRON WEED	Flot	-	2' x2' x5" Cell



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## MIDTOWN BIKEPATH/GREENWAY PLANTING NOTES & SCHEDULE WICHITA, KANSAS

DESIGN	DATE	PROJECT NUMBER	SHEET
Design	8/7/07	04395	595
REVIEW			66
DATE			OF