GENERAL PLANTING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL MEET THE FOLLOWING QUALIFICATION STANDARDS IN ORDER TO WORK ON THE PLANTINGS, IRRIGATION, AND DESIGN GRADING ASPECTS OF THIS PROJECT: THE LANDSCAPE CONTRACTOR SHALL BE AN EXPERIENCED INSTALLER WHO HAS COMPLETED LANDSCAPING WORK SIMILAR IN MATERIAL, DESIGN, SIZE AND EXTENT TO THAT INDICATED FOR THIS PROJECT AND WITH A LONG RECORD OF SUCCESSFUL LANDSCAPE ESTABLISHMENT. CONTRACTOR SHOULD MAKE THEMSELVES FAMILIAR WITH THE PLANS AND SPECIFICATIONS BEFORE BIDDING THIS PROJECT.

2. LANDSCAPE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES (INCLUDING THOSE INDICATED ON THE PLAN) PRIOR TO INSTALLATION OF PLANT MATERIAL. UTILITIES CAN BE FLAGGED BY CALLING 887-2410. DAMAGE TO UTILITIES SHALL BE AVOIDED DURING THE COURSE OF WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION.

3. AREAS DENOTED AS 'SOD' SHALL BE PLANTED WITH THE FOLLOWING GRASS TYPE:
   SOD:
   GARD'N WISE FESCUE/BLUE MIXTURE, OBTAINABLE FROM CRANMER GRASS FARMING, INC., 6121 N. 119TH, MAIZE, KANSAS 67101, PH# (316) 722-7230.
   FERTILIZER:
   HAVE SOIL TESTED BY COUNTY EXTENSION SERVICE TO OBTAIN RECOMMENDED SOIL AMENDMENTS FOR THE GRASS LISTED. REFER TO SPECIFICATION SECTION 02420 FOR TESTING REQUIREMENTS. REPORT RECOMMENDATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE ANY APPLICATION OF FERTILIZER IS MADE.

4. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PEST AND DISEASES. ALL PLANTS MUST BE CONTAINER-GROWN (CONT.) OR BALLED AND BURLAPPED (B&B) AS INDICATED IN THE PLANT LIST. ALL TREES SHALL BE STRAIGHT TRUNKED, OR OF TYPICAL FORM TO THE SPECIES, FULL HEADED AND MEET THE REQUIREMENTS AS SPECIFIED. ALL TREES MUST BE STAKED AS SHOWN IN THE DETAILS.

5. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.

6. PLANTING DATES FOR PLANT MATERIAL SHALL BE DURING THE MONTHS BETWEEN OCTOBER 1st AND MAY 15th. PLANTING SHALL ONLY BE CONDUCTED WHEN THE GROUND IS NOT FROZEN, SNOW COVERED, OR IN AN OTHERWISE UNSUITABLE CONDITION FOR PLANTING. DEVIATION FROM THE ABOVE PLANTING DATES WILL ONLY BE PERMITTED WITH APPROVAL BY THE LANDSCAPE ARCHITECT.

7. ALL TREE SAUCERS AND PLANTING BEDS ARE TO BE MULCHED WITH A MINIMUM OF 75MM SHREDDED CYPRESS MULCH OR FINE DARK HARDWOOD MULCH EITHER OF WHICH MUST BE APPROVED BEFORE INSTALLATION. WHERE PLANTING BEDS ARE ADJACENT TO WALKS AND CURBS THE SOIL LEVEL SHALL BE 75MM LOWER TO ALLOW FOR MULCH LAYER. WHERE SOD IS INDICATED, ITS THICKNESS SHALL ALSO BE ACCOUNTED FOR SO THAT THE SOIL SURFACE IN THE SOD MATCHES IN LEVEL WITH THE HARDSCAPE SURFACE OR FINISHED GRADE OF UNDISTURBED PROPERTIES/EDGES.

8. ALL SHRUB/PERENNIAL PLANTING BEDS SHALL BE TREATED WITH A PRE EMERGENT HERBICIDE SUCH AS TREFLAN OR EQUAL. APPLY AS PER MANUFACTURES RECOMMENDATION. THE PRE EMERGENT SHALL NOT BE APPLIED UNTIL AFTER ALL PLANTING AND MULCHING WITHIN THESE AREAS ARE COMPLETE. DO NOT DISTURB AREAS AFTER APPLICATION. WATER IN AS DIRECTED.

9. MULCH, STAKES, GUY WIRE, STRAPS, PRE EMERGENT HERBICIDES, ROOT STIMULATORS, ETC. SHALL BE SUBSIDIARY TO INDIVIDUAL PLANTS.

10. STAKES AND GUYING SHALL BE REMOVED AT THE END OF ONE FULL GROWING SEASON.

11. ALL PLANTING BEDS ABUTTING LAWN AREAS SHALL BE EDGED WITH CURV-RITE ALUMINUM EDGING (BLACK ANODIZED 3/16"x5 1/2") OR APPROVED EQUAL. EDGING SHALL BE PLACED IN SMOOTH CURVING SHAPES WHERE INDICATED WITHOUT KINKS OR TWISTS. INSTALL AS PER THE MANUFACTURERS RECOMMENDATIONS. EDGING SHALL BE SUBSIDIARY TO PLANTS.

12. LABEL EACH TREE, SHRUB, ORNAMENTAL GRASS, GROUND COVER MASS AND PERENNIAL MASS WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTH BOTANICAL AND COMMON NAME. DO NOT REMOVE UNTIL AFTER PROVISIONAL ACCEPTANCE.

13. SUBSTITUTION OF PLANT SPECIES TYPES FOR THOSE LISTED IN THE PLANT LIST IS NOT PERMISSIBLE. SUBSTITUTIONS WILL ONLY BE CONSIDERED UPON SUBMISSION OF PROOF THAT SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE ANYWHERE IN THE UNITED STATES. SUBSTITUTIONS SHALL BE SUBMITTED IN WRITING TO THE LANDSCAPE ARCHITECT, WITH PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL PRIOR TO PLANTS BEING DELIVERED TO THE SITE.

14. THE LANDSCAPE ARCHITECT WILL APPROVE THE CONTRACTORS LAYOUT OF PLANTING BEDS, PLANT MASSING AND STAKED LOCATION OF ALL TREES PRIOR TO INSTALLATION.

15. ANY PLANT WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL THE PLANT LIST SPECIFICATIONS.

16. ANY TOPSOIL NEEDED TO CORRECT SOIL LEVELS IN PLANTING ISLANDS OR SUMP AREAS IN LAWNS SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. REUSE OF ON SITE SURFACE STOCKPILED TOPSOIL MAY BE USED. IT SHALL BE WITHOUT ADMIXTURE OF SUBSOIL OR SLAG AND SHALL BE FREE OF STONES, LUMPS, STICKS, PLANTS OR THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL pH RANGE SHALL BE 5.5 TO 7.0.

17. COORDINATE LANDSCAPE PLANTING W/ IRRIGATION CONTRACTOR. THE TREE PLANTINGS SHALL BE IN PLACE OR STAKED BEFORE IRRIGATION LINE ROUTING BEGINS TO AVOID CONFLICTS. THE IRRIGATION SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL IN ALL LAWN AREAS BEFORE SOD IS PLACED.

18. STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK' REPRESENT GUIDELINE SPECIFICATIONS AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS OF THE PLANT MATERIAL FOR THIS PROJECT.

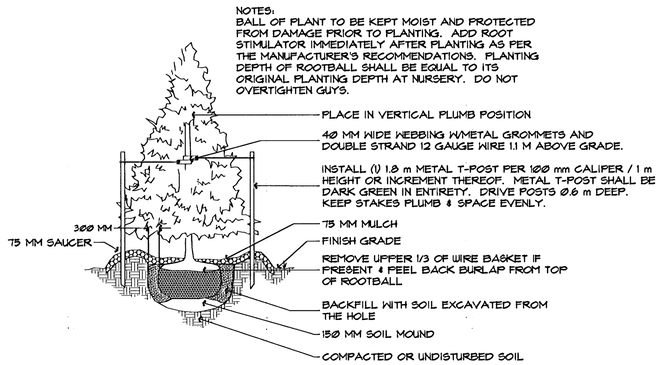
PLANTING BED SOIL MIX NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL; TOPSOIL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT. REFER TO SPECIFICATION SECTION 02930 FOR TOPSOIL REQUIREMENTS.

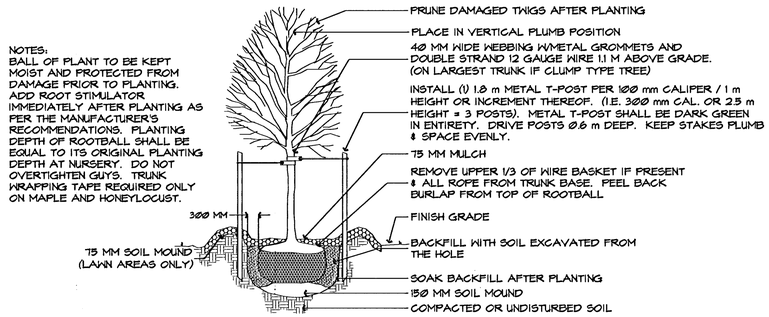
2. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANTING SOIL MIX. (PLANTING BED SOIL MIX SHALL BE SUBSIDIARY TO PLANTS)

3. THE PLANTING SOIL MIX SHALL BE APPROVED BY THE LANDSCAPE CONTRACTOR PRIOR TO ANY BACKFILLING.

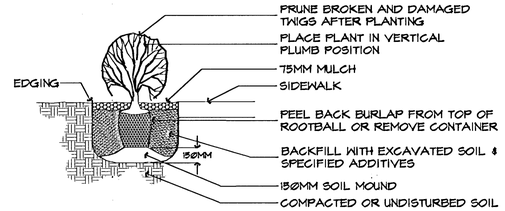
4. THE TYPICAL PLANTING SOIL MIX FOR ALL PLANTING BEDS (SHRUBS, ORNAMENTAL GRASS & PERENNIAL BED AREAS) SHALL CONSIST OF THE FOLLOWING MAKE-UP UNLESS OTHERWISE INDICATED IN THESE PLANS:
   - 60% TOPSOIL (AS SPECIFIED)
   - 40% PREPARED ADDITIVES (BY VOLUME AS FOLLOWS):
     2 PARTS HUMAS AND/OR PEAT
     1 PART STERILIZED COW MANURE
     1 PART SHREDDED PINE BARK (BARK PIECES BETWEEN 1/2" AND 1 1/2" INCHES IN LENGTH/DIAMETER.
   - COMMERCIAL FERTILIZER AS RECOMMENDED BY SOIL REPORT.
   - LIME AS RECOMMENDED BY SOIL REPORT.
   - ROOT STIMULATOR PRODUCT AS DESCRIBED IN SPECIFICATION SECTION 02930.



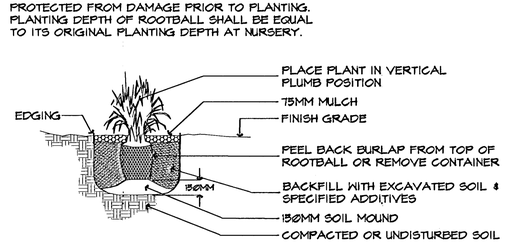
EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



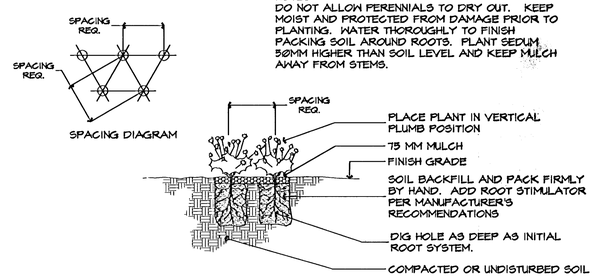
DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE



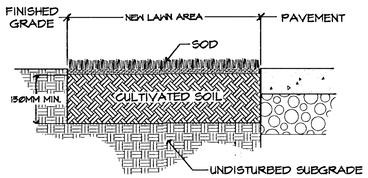
ORNAMENTAL GRASS PLANTING DETAIL
NOT TO SCALE



PERENNIAL PLANTING DETAIL
NOT TO SCALE

MASTER PLANT LIST			
QTY.	COMMON NAME	BOTANICAL NAME	SIZE/COMMENT
LARGE SHADE TREES			
3	PANICLED GOLDENRAIN TREE	Koelreuteria paniculata	2"-2.5" Cal., Balled-in-Burlap
8	SHUMARD OAK	Quercus shumardii	2"-2.5" Cal., Balled-in-Burlap
37	ALLEE ELM	Ulmus parvifolia 'Allee'	3"-3.5" Cal., Balled-in-Burlap
13	AUTUMN BLAZE MAPLE	Acer rubrum x freemanii	2"-2.5" Cal., Balled-in-Burlap
7	THORNLESS HONEYLOCUST	Gleditsia triacanthos var. inermis	2"-2.5" Cal., Balled-in-Burlap
EVERGREENS			
38	AUSTRIAN PINE	Pinus nigra	8'-10' Hgt., Balled-in-Burlap
ORNAMENTAL TREES			
12	PRAIRIFIRE CRABAPPLE	Malus 'Prairifire'	2" Cal., Balled-in-Burlap
14	EASTERN REDBUD	Cercis canadensis	8'-10' Hgt., B&B, Clump
12	CALLERY PEAR	Pyrus calleryana 'Chanticleer'	2" Cal., Balled-in-Burlap
14	AMUR MAPLE	Acer ginnala	8'-10' Hgt., B&B, Clump
11	AUTUMN BRILLIANCE SERVICEBERRY	Amelanchier x grandiflora 'Autumn Brilliance'	8'-10' Hgt., B&B, Clump
ORNAMENTAL GRASSES			
80	FEATHER REED GRASS	Calamagrostis x acutiflora stricta	3 gal., 30" O.C.

MASTER PLANT LIST (CONT.)			
QTY.	COMMON NAME	BOTANICAL NAME	SIZE/COMMENT
PERENNIALS			
110	BLACK EYED SUSAN	Rudbeckia fulgida 'Goldsturm'	1 gal., 24" O.C.
39	GAY FEATHER	Liatris spicata 'Kobold'	1 gal., Cluster as directed
113	'ZAGREB' COREOPSIS	Coreopsis verticillata 'Zagreb'	1 gal., 18" O.C.
87	SALVIA	Salvia x superba 'Mainacht'	1 gal., 24" O.C.
194	AUTUMN JOY STONECROP	Sedum x 'Autumn Joy'	1 gal., 18" O.C., pint 50mm high
377	STELLA D'ORO DAYLILY	Hemerocallis sp.	6" pot, 18" O.C.
350	PINK CARPET ROSE	Rosa noatraum	2 gal., 24" O.C.
84	CATMINT	Nepeta x faassenii	1 gal., 24" O.C.
SHRUBS			
60	BLUE CHIP JUNIPER	Juniperus horizontalis 'Blue Chip'	5 gal, 5' O.C.
24	PARSONS JUNIPER	Juniperus davurica	5 gal, 5' O.C.
33	HENRY'S GARNET SWEET SPIRE	Itea virginica 'Henry's Garnet'	5 gal, 4' O.C.
19	CUTLEAF SUMAC	Rhus typhina laciniata	3 gal, space as noted
SOD			
8,782 S.M.	GARD'N WISE FESCUE/BLUE MIX	Festuca arundinacea	refer to notes and specs.



SOD DETAIL
NOT TO SCALE

SOD INSTALLATION NOTES:
1. FINISHED GRADES SHALL BE ACCURATE.
2. CULTIVATE ENTIRE AREA TO A MINIMUM 150MM DEPTH. EXCEPTIONS TO AREAS MAY BE MADE IF TREE ROOTS ARE ENCOUNTERED WITHIN THE DRIPLINE OF EXISTING TREES. HAND RAKE SMOOTH.
3. ADD ADDITIVES (AS PER SOIL TEST RECOMMENDATIONS) AND TILL INTO SOIL.
4. LAY AND ROLL SOD. WATER THOROUGHLY.

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ROADSIDE IMPROVEMENTS
DETAILS

PROJ. NO. 472 – 83537 SEDGWICK CO.

MKEC ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

DESIGNED BY:	MKEC	CHECKED BY:	MKEC
DRAWN BY:	MKEC	DATE: Jan. 2003	SHEET 38 OF 73