

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 687-2470. 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:
 GARDN WISE FESCUE/BLUE MIXTURE, OBTAINABLE FROM CRANMER GRASS FARMING, INC., 6121 N. 119TH, MAIZE, KANSAS 67101, PH# (316) 722-1230.
FERTILIZER:
 HAVE SOIL TESTED BY COUNTY EXTENSION SERVICE TO OBTAIN RECOMMENDED SOIL AMENDMENTS FOR THE GRASS LISTED. REFER TO SPECIFICATION SECTION 02920 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 3" 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 3" 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. MULCH, STAKES, GUY WIRE, STRAPS, PRE EMERGENT HERBICIDES, ROOT STIMULATORS, ETC. SHALL BE SUBSIDIARY TO INDIVIDUAL PLANTS.

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

10. 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.

11. 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.

12. 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.

13. 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.

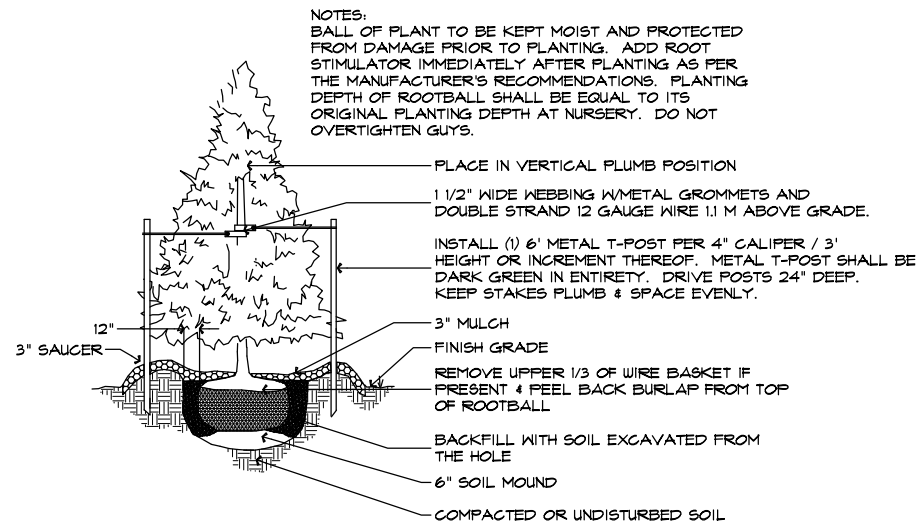
14. STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK' REPRESENT GUIDELINE SPECIFICATIONS AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS OF THE PLANT MATERIAL FOR THIS PROJECT.

GRADING NOTES:

1. THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADING. THE GRADING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE ADDITION OF THE TOPSOIL AND OR AMENDED SOIL LAYER.

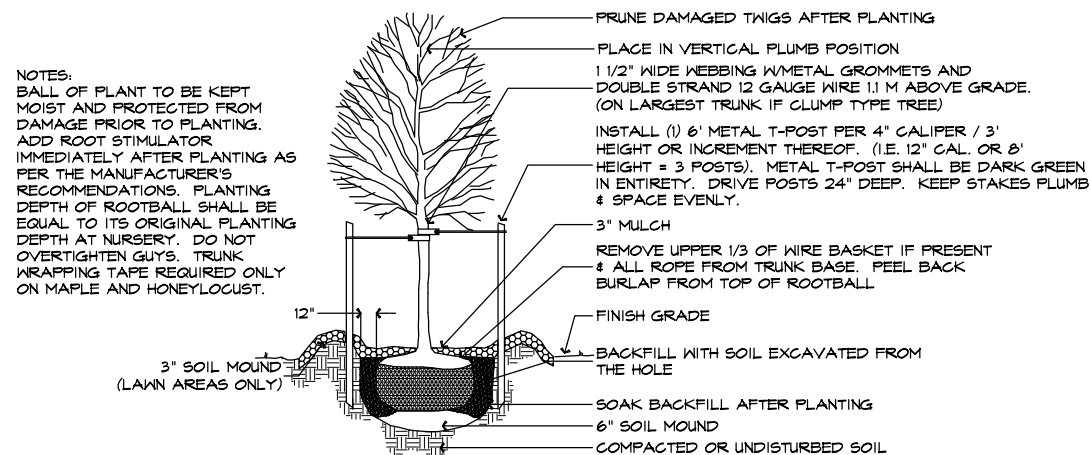
2. A 6" LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL AND REPLACED AT A 6" THICKNESS ON PROPOSED GRADING AREAS. NOTE: THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE LAYER OF TOPSOIL HAS BEEN PLACED. WHERE PLANTING BEDS ARE INDICATED IN THE PLANTING PLANS THE TOPSOIL LAYER SHALL BE INCREASED TO 12". IN CASES WHERE GRADING IS DIRECTED UNDER TREE DRIP LINES NO TOPSOIL STRIPPING OR FILLING SHALL BE PERFORMED WITHIN THESE AREAS.

3. WHERE OFFSITE TOPSOIL (SELECT SOIL) IS NEEDED, IT SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. 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. TOPSOIL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLACEMENT.



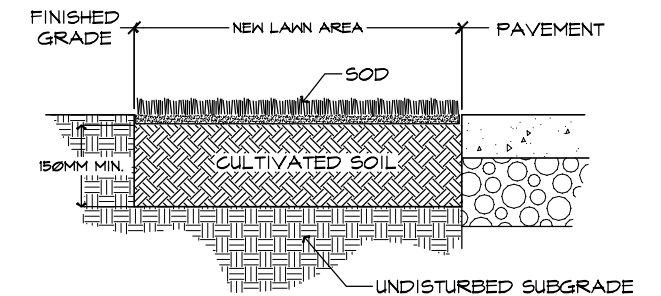
EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE



DECIDUOUS TREE PLANTING 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.

SOD DETAIL

NOT TO SCALE

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KANSAS DEPARTMENT OF TRANSPORTATION			
PAWNEE ROADSIDE IMPROVEMENTS DETAILS			
PROJECT NO. 87 N-0235-01		SEDGWICK CO.	
M K E C ENGINEERING CONSULTANTS, INC. WICHITA, KANSAS			
DESIGNED BY: JRA	CHECKED BY: JRA		
DRAWN BY: WNJ	DATE: JULY 2004	SHEET 71 OF 120	