

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0361-01	2011	129	169

MKEC
ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

**LINCOLN STREET BRIDGE AND
DAM IMPROVEMENTS OVER
ARKANSAS RIVER**

**LANDSCAPE
DETAILS &
NOTES**
SHEET TITLE
472-84883
PROJECT NUMBER

DESIGN BY
BJH/JAG
DRAWN BY
BJH
CHECKED BY
JAG

ISSUED
1/24/2011
REVISED

SHEET NO.
129 of 169

GENERAL LANDSCAPE NOTES

- LANDSCAPE CONTRACTOR SHALL MAKE SURE THAT THE MASS GRADING CONTRACTOR HAS THOROUGHLY RIPPED AND ALLEVIATED ALL COMPACTED SOILS FROM HAULING AND PLACEMENT OPERATIONS.
- ALL WATER REQUIRED FOR LANDSCAPE OPERATIONS AND FOR ESTABLISHING LANDSCAPE ON THIS SITE WILL BE PROVIDED BY THE OWNER FROM ON-SITE SOURCES AND SUPPLIED TO THE LANDSCAPE CONTRACTOR AT NO CHARGE.
- PLANTING DATES FOR PLANT MATERIAL SHALL BE DURING THE MONTHS BETWEEN FEB. 15TH AND MAY 31ST OR SEPT. 15TH AND DEC. 15. 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 FROM THE OWNER'S REPRESENTATIVE.
- LANDSCAPE BED EDGES SHALL BE SHOVEL CUT. SEE DETAIL.
- PLANTING BED SOIL MIX:
MIX TOPSOIL IN ALL PLANTING BEDS WITH THE FOLLOWING SOIL AMENDMENTS:
- SPREAD AN EVEN 3" LAYER OF "BACK TO NATURE" COTTON BURR COMPOST OVER THE ENTIRE ANNUAL, PERENNIAL, ORNAMENTAL GRASS AND SHRUB PLANTING BED AREAS AND TILL THOROUGHLY INTO TOPSOIL A DEPTH OF 8". WATER THOROUGHLY.
- ADD "MYKE TREE & SHRUB" ROOT STIMULATOR MANUFACTURED BY PREMIER TECH BIOTECHNOLOGIES (1-800-606-6926) TO WOODY PLANTS. APPLY PRODUCT PER MANUFACTURER'S RECOMMENDATIONS.
- ALL SHRUB/PERENNIAL PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE SUCH AS TREFLAN OR EQUAL. APPLY AS PER MANUFACTURER'S 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. COST IS SUBSIDIARY TO BED SOIL AMENDMENTS.
- INSTALL 3" MIN. DEPTH FINE-SHREDDED, DARK HARDWOOD BARK MULCH IN ALL PLANTING BED AREAS AND WITHIN A 3' DIAMETER CIRCLE AROUND ALL TREES PLANTED IN FLAT LAWN AREAS AND 4' DIAMETER CIRCLE ON SLOPES. SUBMIT 1 CU/FT SAMPLE FOR APPROVAL. PULL MULCH AWAY FROM TREE TRUNKS WITHIN 3" OF TRUNK.
- SUSTAIN TREES DURING ONE YEAR GUARANTEE PERIOD BY WATERING WITH IRRIGATOR SLOW DRIP IRRIGATION BAGS OR BY HAND WATERING AS OFTEN AS REQUIRED. HAND WATER PLANTS IN BEDS AS REQUIRED TO MAINTAIN HEALTHY VIBRANT PLANTINGS. PLANTS THAT DIE OR ARE IN POOR HEALTH DURING THE GUARANTEE PERIOD SHALL BE REMOVED IMMEDIATELY. FOLLOW TREE PLANTING WITH INSTALLATION OF SODDING AND SEEDING (IF APPLICABLE). COST OF WATERING TREES SHALL BE SUBSIDIARY TO TREE BID ITEMS.
- BERMUDA SOD SHALL BE HARVESTED & PLACED BETWEEN THE DATES OF APRIL 1ST AND JUNE 15TH UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE TO DO OTHERWISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WATER ALL SOD UNTIL LANDSCAPE JOB IS COMPLETE.
- ALL SOD AREAS SHALL BE INSTALLED AS FOLLOWS: AFTER FINAL GRADE IS ESTABLISHED AND ALL SOIL AREAS DRAIN AS INTENDED, AND ALL SURFACE IRREGULARITIES HAVE BEEN REMOVED, THOROUGHLY PREPARE SODBED BY TILLING TO A MINIMUM DEPTH OF 3" AND HARROWING. ROLL SOD FOLLOWING LAYING FOR GOOD SOD/SOIL CONTACT AND KEEP IN A MOIST (BUT NOT SATURATED) CONDITION FOR FIRST TWO WEEKS TO PROMOTE GOOD ROOTING. FERTILIZE WITH 1 LB. ACTUAL NITROGEN PER 1000 SF. AT TIME OF PLANTING. COST OF FERTILIZER AND WATERING SOD SHALL BE SUBSIDIARY TO SOD BID ITEM.
- ALL PLANTS SHALL CONFORM TO ANSI Z601 FOR SIZE AND QUALITY STANDARDS.
- ALL LANDSCAPE PLANTS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING INITIAL ACCEPTANCE. DEAD OR DEFICIENT PLANTINGS SHALL BE ACCEPTABLY REPLACED, IN PROPER PLANTING SEASON, ONE TIME AT NO COST TO THE OWNER.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, (INCLUDING WATERING AND MOWING), SOD UNTIL ACCEPTANCE OF THESE AREAS. WHEN READY, THE LANDSCAPE CONTRACTOR SHALL REQUEST INSPECTION OF ESTABLISHED SODDED AREAS BY THE OWNER'S REPRESENTATIVE.
- STAKES, GUY WIRE, PRE-EMERGENT HERBICIDES, ETC. SHALL BE SUBSIDIARY TO INDIVIDUAL PLANTS.
- LABEL EACH TREE AND SHRUB WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTH BOTANICAL AND COMMON NAME. LABEL EACH ORNAMENTAL GRASS, GROUND COVER, PERENNIAL AND ANNUAL WITH THE LABEL PROVIDED BY THE ORIGINAL GROWER OF THE PLANT. LABELS SHALL NOT BE REMOVED UNTIL AFTER PROVISIONAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT.
- STAKES AND GUYING SHALL BE REMOVED AT THE END OF ONE FULL GROWING SEASON.
- ALL PLANTING ISLANDS AND SHRUB/PERENNIAL BEDS SHALL BE OVER EXCAVATED TO A DEPTH OF 2'. TOPSOIL SHALL BE LAID IN 3" LIFTS. IN AREAS WHERE CONSTRUCTION GRADING HAS NOT OCCURRED AND THE VIRGIN GRADE YET EXIST, THE TOPSOIL LAYER IS NOT REQUIRED. ON SITE STOCKPILED TOPSOIL THAT MEETS THE OFFSITE TOPSOIL REQUIREMENT IS ACCEPTABLE FOR USE. ON AND OFFSITE TOPSOIL REQUIRED AND PLACED SHALL BE SUBSIDIARY TO PROJECT.
- OFFSITE TOPSOIL IF REQUIRED 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, LIMBS, STICKS, PLANTS OR THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEIOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL PH RANGE SHALL BE 5.5 TO 7.0.
- THERE SHALL BE NO ADDITIONS, DELETIONS OR SUBSTITUTION OF PLANT MATERIAL SPECIES WITHOUT THE WRITTEN APPROVAL BY THE OWNER AND / OR MKEC LANDSCAPE ARCHITECT. ANY SUBSTITUTION WHICH HAS NOT BEEN APPROVED SHALL BE REMOVED AND IMMEDIATELY REPLACED WITH THE CORRECT PLANT AT LANDSCAPE CONTRACTOR'S EXPENSE.
- THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR THE COLLECTION, REMOVAL, AND PROPER DISPOSAL OF ANY AND ALL DEBRIS GENERATED DURING THE INSTALLATION OF THE LANDSCAPE CONSTRUCTION.

SUMMARY OF QUANTITIES

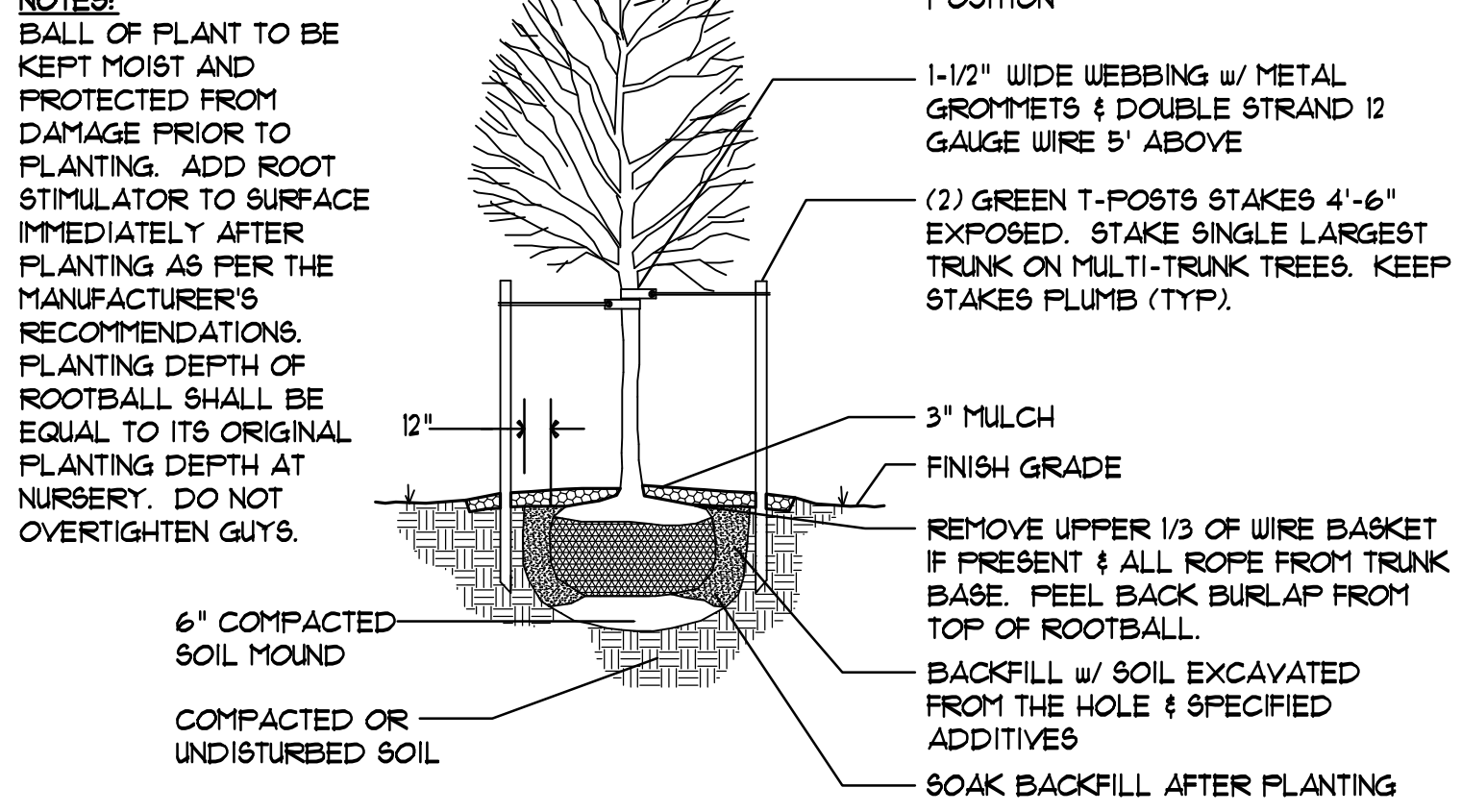
KEY	ITEM	UNIT	QTY's
COT	EASTERN COTTONWOOD	3" CAL. / B&B	4
ELM	VALLEY FORGE ELM	6" CAL. / B&B	1
SHL	SUNBURST HONEYLOCUST	3" CAL. / B&B	13
ERB	EASTERN REDBUD	15" CAL. / B&B	29
	MULCH *	8QYD	65
	BENCH *	EACH	4
	WASTE RECEPTACLE **	EACH	2

* SHAPE: STRAIGHT 5 UNIT W/ BACK AND ARMS COLOR: TBD. CONTACT INFORMATION: LANDSCAPE FORMS, INC. 431 LAUNDALDE AVE. KALAMAZOO, MICHIGAN 49048. P: 8005212546. WEB: WWW.LANDSCAPEFORMS.COM. E-MAIL: SPECIFY@LANDSCAPEFORMS.COM OR APPROVED EQUAL.
** SHAPE: TOP OPENING RECEPTACLE. COLOR: TBD. CONTACT INFORMATION: LANDSCAPE FORMS, INC. 431 LAUNDALDE AVE. KALAMAZOO, MICHIGAN 49048. P: 8005212546. WEB: WWW.LANDSCAPEFORMS.COM. E-MAIL: SPECIFY@LANDSCAPEFORMS.COM OR APPROVED EQUAL.

RECAPITULATION OF QUANTITIES

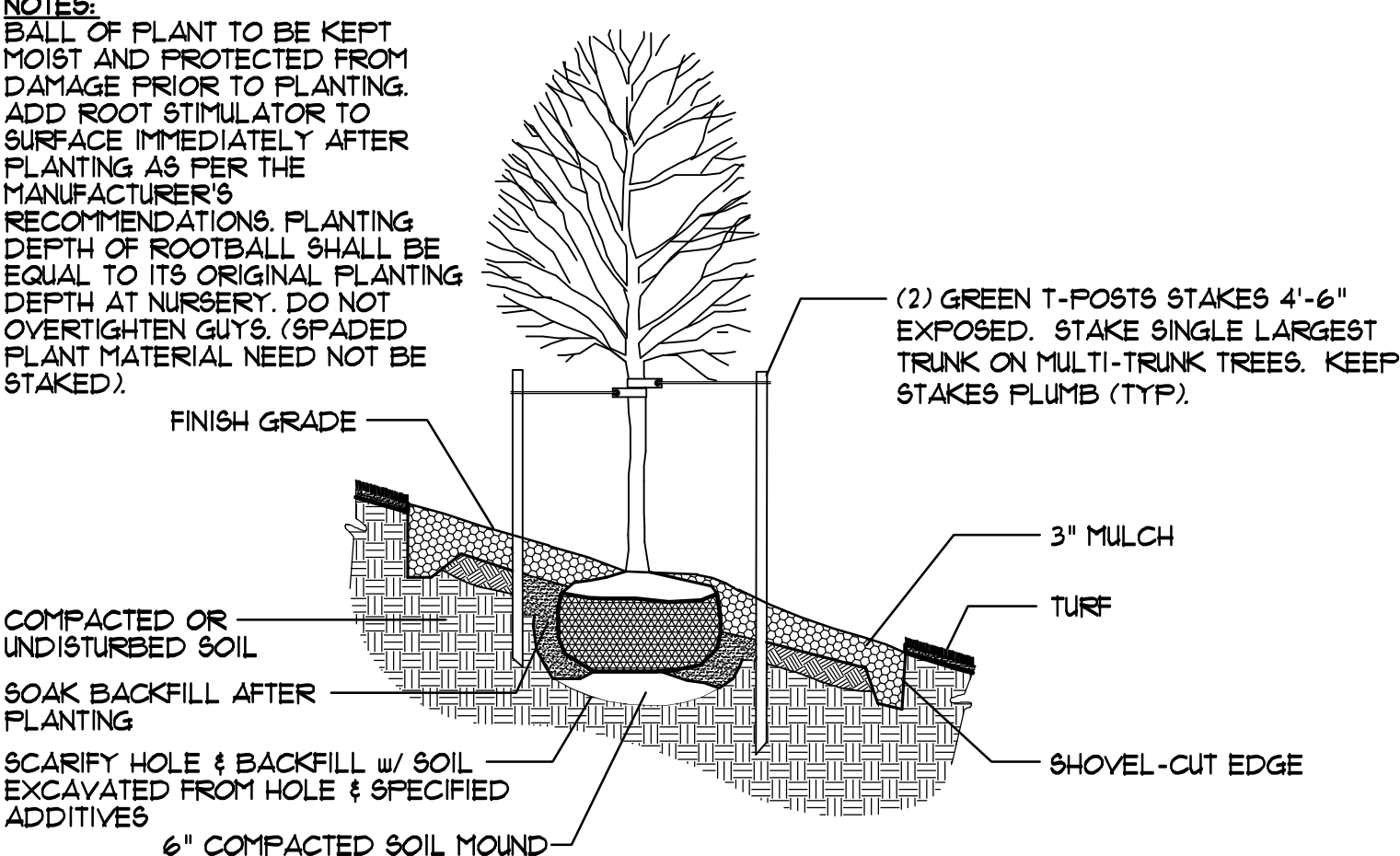
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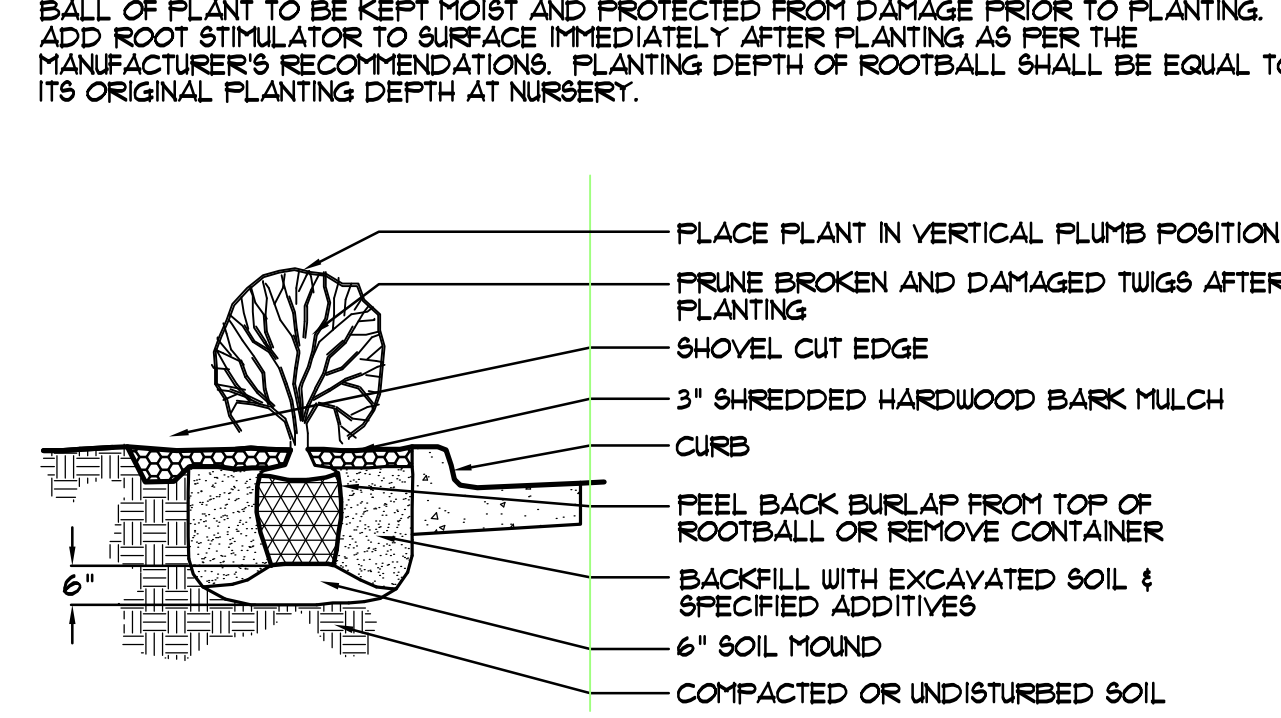
1 DECIDUOUS TREE PLANTING
SCALE: N.T.S.

NOTES:

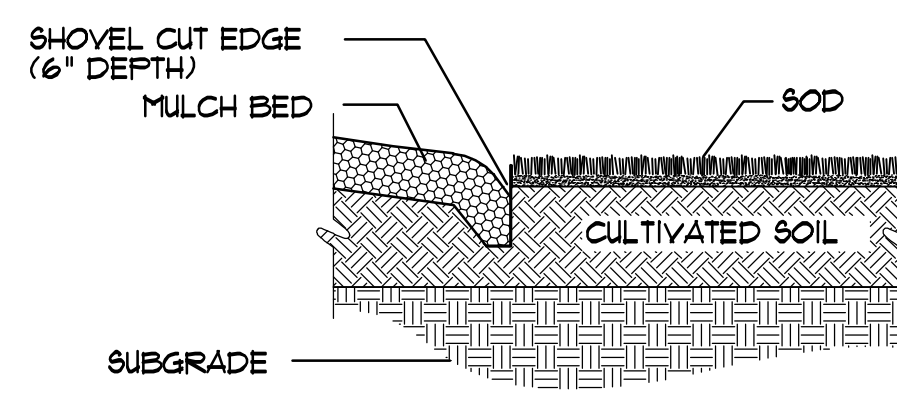


3 TREE PLANTING AT SLOPE
SCALE: N.T.S.

NOTES:



2 SHRUB/ORN. GRASS PLANTING
SCALE: N.T.S.



4 SHOVEL CUT EDGE
SCALE: N.T.S.

PLOTTED: Tuesday, January 25, 2011 8:57 AM

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