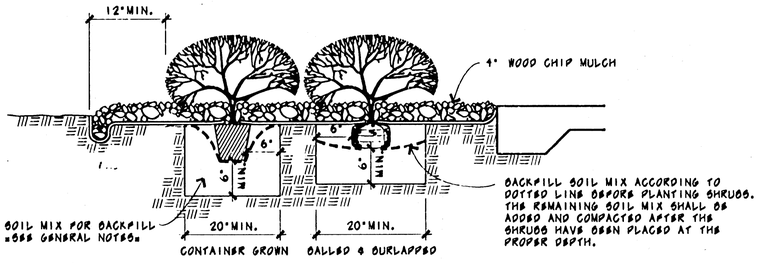
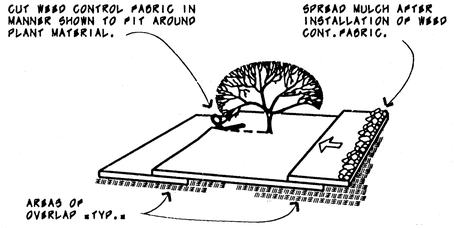
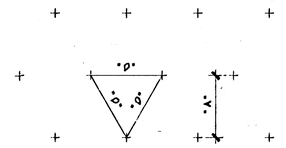
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0033-01	1995	31	34



SHRUB PLANTING DETAIL



INSTALLATION OF WEED CONTROL FABRIC DETAIL



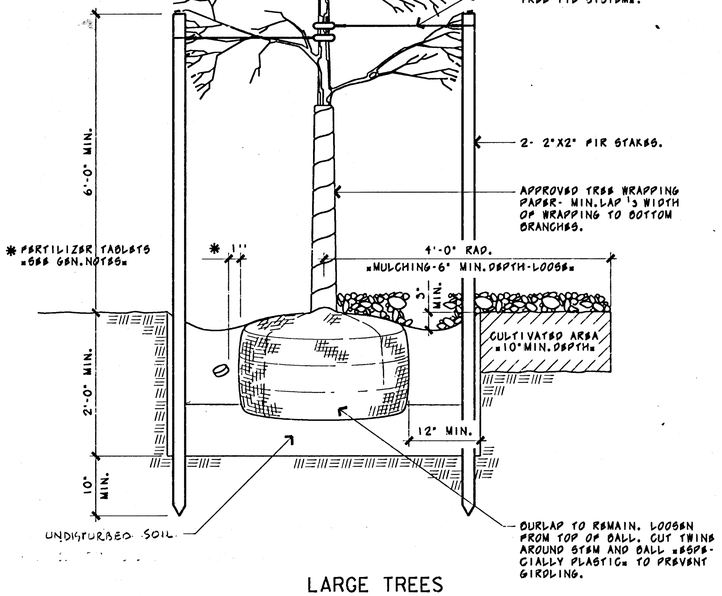
SPACING "D"	ROW "A"	NUMBER OF PLANTS	AREA
6" O.C.	5.2"	4.61	1 SQ.FT.
12" O.C.	10.4"	1.15	1 SQ.FT.
18" O.C.	15.6"	5.12	10 SQ.FT.
24" O.C.	20.8"	2.91	10 SQ.FT.
30" O.C.	26.0"	1.85	10 SQ.FT.
36" O.C.	31.2"	1.28	10 SQ.FT.

PLANT SPACING CHART

POTTED VINES & GROUND COVER PLANTS SHALL BE AT LEAST ONE YEAR OLD AND SHALL HAVE BEEN GROWN IN POTS LONG ENOUGH TO INSURE SUFFICIENT ROOT GROWTH TO HOLD SOIL IN PLACE AND RETAIN THE ORIGINAL SHAPE WHEN REMOVED FROM THE POT. VINES SHALL HAVE A MINIMUM OF 4 RUNNERS, 12" LONG.



NOTES:
1. STAKE & TREE WRAPPING TO REMAIN A MIN. OF 1 YEAR.
2. TREES WITH BROKEN LEADERS WILL NOT BE ACCEPTABLE.
3. ALL TREES LARGER THAN 2" CALIPER SHALL BE GUYED IN ACCORDANCE WITH STANDARD SPECIFICATIONS USING EARTH ANCHORS.



LARGE TREES
STAKING, FERTILIZING & MULCHING

STAKING DECIDUOUS AND EVERGREEN TREES

TREE	STAKE SIZE
6'-8'	2" X 2" X 8' MIN.
4'-6'	2" X 2" X 6' MIN.
3'-4'	2" X 2" X 5' MIN.

STAKES SHALL BE MIN. GRADE NO. 1 COMMON, SHARPENED AS SHOWN WITH 2 OR 4 DIAGONAL CUTS REQUIRED.



NOTES:
WRAP THE TRUNK TO THE HEIGHT OF THE FIRST BRANCH WITH 2-PLY TREE WRAPPING PAPER & SECURE WITH STRETCHABLE PLASTIC ELECTRICIANS TAPE OR SISAL YARN AT TOP AND BOTTOM OF ALL TREES.

EVERGREENS OR ORNAMENTAL TREES
STAKING, FERTILIZING & MULCHING

TREE TIE DETAIL

NOTES:
1-1" X 15" «MIN.» VINYL IMPREGNATED WOVEN NYLON TIE PER TREE. OTHER TREE TIE METHODS AND MATERIALS MAY BE USED IF APPROVED BY THE ENGINEER.

TREE TIE SYSTEM:

(a) Contractor shall use an approved tree tie system that is easily adjustable, strong in all weather, and easily attached and removed. Hose and wire are not acceptable for staked trees. Provide the following or approved equal:

"Cinch Ties", J. Lichtenthaler
P.O. Box 938
Cerritos, CA 90701

"Ad J-A-Tye", Heavyweight only,
a plastic chain twist tie.

"Plastic Binder Tye", tie with tapered
beads that snap lock.
A.M. Leonard and Sons
Piqua, Ohio 43356

(b) Provide screw type earth anchors in conjunction with tree guying system. Minimum anchor size shall be 2" Helix, 24" x 3/8" shaft, 1-1/2" dia. eye.

(c) Furnishing and installation of tree ties shall not be paid directly, but shall be Subsidiary to planting trees.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

ROADSIDE IMPROVEMENT

PLANTING DETAILS

STD. NO. 860

F.H.W.A. APPROVAL		7-21-92	APP'D	Richard D. Rose	
DESIGNED	RDR	DETAILED	RDR	QUANTITIES	TRACED
DESIGN CK.	CLM	DETAIL CK.	CLM	QUAN.CK.	TRACE CK.

Drawn By : ross
DGN File : /usr/rossmnt/refstds/idsstl.dgn PLOT3
Plotted : 07-AUG-1992 13:58 View=