

FHWA Reg. No.	State	Project Number	Year	Sheet Number	Total Sheets
7	Kansas	87 N-0502-01	2009	LS 11	11
A.R.R.A.- N05(201)					

Planting Specifications

General Notes

- Landscape work shall follow Part 900 Landscaping and Irrigation of the City of Wichita Standard Specifications (See Public Works Engineering section of www.wichita.gov) and the Landscape Policy noted on this sheet. This includes, but is not limited to, tree planting and grass installation methods, staking, irrigation repairs, payment, acceptance, and guarantee. Verify need, if any, for irrigation repairs with Engineer. Specifications noted herein shall define specific work operations, and supersede the Standard Specifications.
- The Landscape Contractor shall provide all plants, materials, labor and equipment to complete the installation of trees and grass areas according to these specifications and the planting plan. The Landscape Contractor shall be responsible for repair to disturbed areas.
- Rough grading shall be by the General Contractor. The Landscape Contractor shall be responsible for finished grading prior to grass installation and planting operations.
- Contractors shall protect existing trees to remain from damage during construction activities.
- Tree plantings, including soil saucers, shall not obstruct flowline of drainage swales.
- Prior to landscape work, flag all underground utilities by calling Kansas One-Call (Phone: 1-800-344-7233).
- Existing underground irrigation sprinkling systems damaged during construction activities shall be repaired by the Contractor.
- Notify the Engineer of variances between the plan and site conditions which affect planting operations.
- The Landscape Contractor shall be responsible to coordinate landscape work with work of other Contractors affected by landscape work.
- Quantities scheduled on drawings are for information only. Contractor shall perform their own quantity survey and include all materials and incidentals required for a complete project.

Materials and Installation Requirements

Materials shall be approved by the Engineer before start of work. Materials and grass may be rejected at any time during the installation.

Topsoil shall be provided by the Landscape Contractor as required for finished grading. This is intended only for low areas of the rough grade and not the entire site.

Plant Materials shall meet current American National Standards Institute standards and exhibit a vigorous and healthy condition.

Grass sod to be as shown on plans and as specified.

Soil Amendments Use 4 parts soil from excavation to 1 part "Back to Earth" cotton bur compost or approved equal product for planting backfill.

Fertilizer for planting backfill to be Milorganite (6-2-0) or other approved product installed per Manufacturer's instructions.

Tree Wrap shall be 4" Forces wrap or other approved product (i.e. DeWitt Tree Wrap). Securely wrap from ground level to second level of branches on the trunk. All Maple and Crabapple trees shall be wrapped. Park Department Representative or Engineer shall inspect trunks for damage before they are wrapped. Use of wrap for other trees is at the Landscape Contractor's discretion.

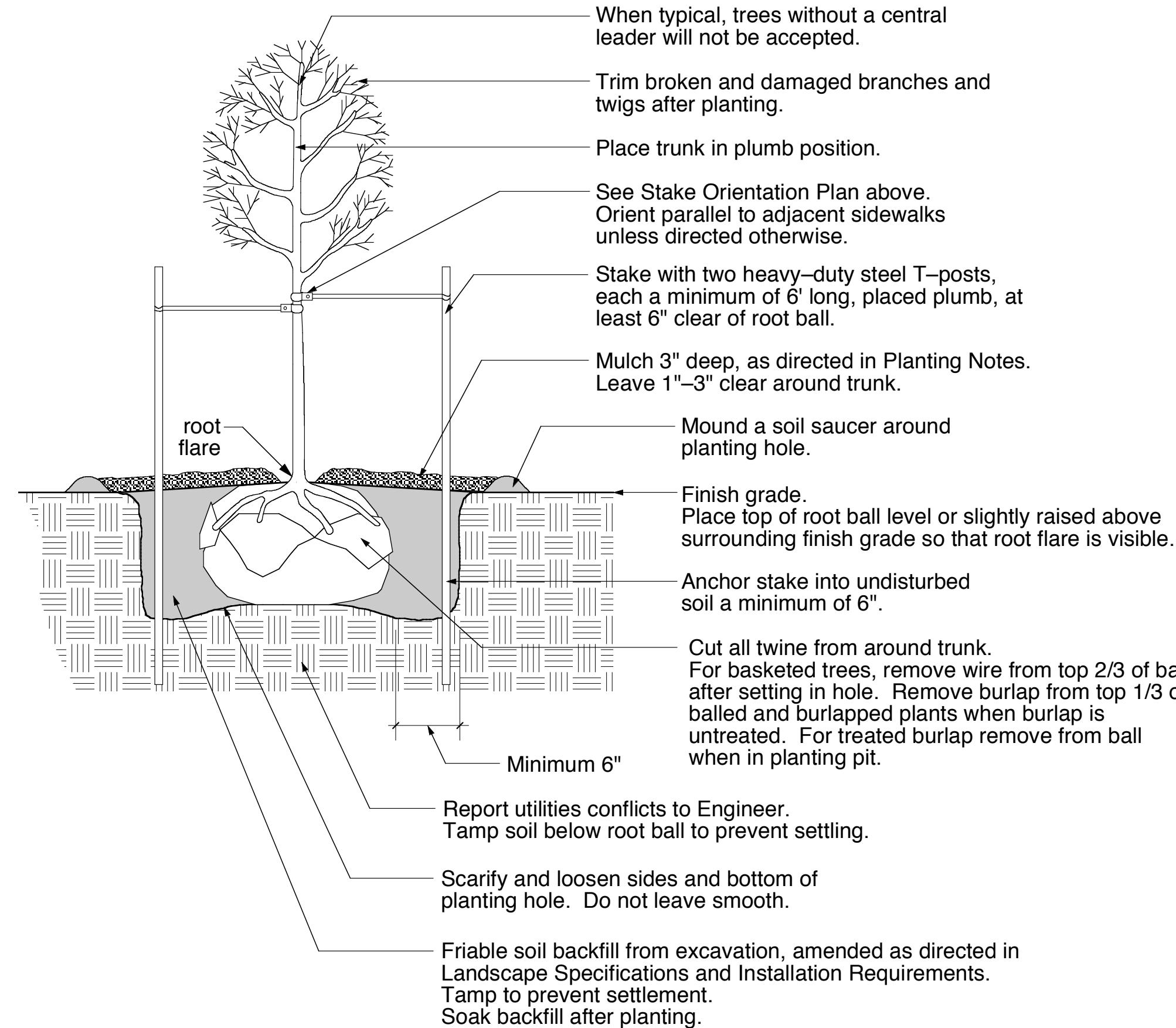
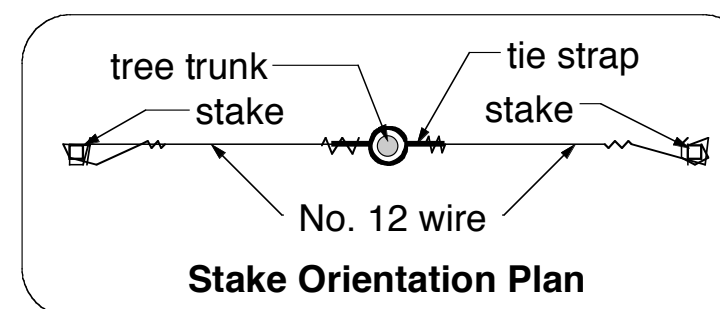
Turf Repair Notes

- All areas disturbed by construction that are adjacent to **developed properties** shall be restored with sod as shown on Plans. Restoration of disturbed areas shall include, but not be limited to, topsoil preparation and sodding. All sodding work shall be in accordance with City Standard specifications and the City Administrative Regulation No. AR78, which governs cleanup and restoration or replacement following construction. The "Recapitulation of Quantities" shows the estimated Square Yards of sodding, with a bid item for the same. When the weather/season prevents the installation of sod, Contractor shall be responsible for installing Erosion Control Blanket (Curlax I, or approved equal) at the back of curb (8' wide minimum). All costs for erosion mat installation shall be **SUBSIDIARY** to "Site Restoration".

Landscape Policy Notes

The tree planting installation shall follow requirements of the City of Wichita Landscape Policy booklet. Selected requirements are noted as follows:

- Minimum planting distance in advance of traffic signs where tree branching may limit visibility of signs — 25 feet.
- Minimum distance from hydrants, water meters, and other utility appurtenances (including manholes) — 10 feet.
- Minimum distance from street curb — 6 feet from back of curb face.
- Minimum distance from street corner — 50 feet.
- Minimum distance from driveway — 10 feet.
- Minimum distance from sidewalk — 3 feet (small size tree), 4 feet (medium size tree), 6 feet (large size tree).



1 Tree Planting and Staking Diagram
LS 11 no scale

Maize Road Streetscape / Pawnee to Kellogg Landscape Specifications, Notes, & Details

Tree Removal & Relocation Schedule	
Remove Small Tree	20
Remove Large Tree	21
Relocate Small Tree (Option / by City)	1

Plant Schedule				
Quantity	Common Name	Botanical Name	Size	Specification
TREES				
16	Amur Maple	<i>Acer ginnala</i>	1 3/4"-2" Cal	B&B, high-branched, single-stem
12	Shantung Maple	<i>Acer truncatum 'Shantung'</i>	2" -2 1/2" Cal	B&B
11	Oklahoma Redbud	<i>Cercis reniformis 'Oklahoma'</i>	2" -2 1/2" Cal	B&B, high-branched
7	Canaert Juniper	<i>Juniperus virginiana 'Canaerti'</i>	6'-7' height	B&B
4	Goldenrain Tree	<i>Koelreutaria paniculata</i>	2" -2 1/2" Cal	B&B
6	Osage-orange 'White Shield'	<i>Maclura pomifera 'White Shield'</i>	2" -2 1/2" Cal	B&B
10	Indian Magic Crabapple	<i>Malus sp. 'Indian Magic'</i>	1 3/4"-2" Cal	B&B
11	Red Jewel Crabapple	<i>Malus sp. 'Red Jewel'</i>	1 3/4"-2" Cal	B&B
3	Austrian Pine	<i>Pinus nigra var. nigra</i>	7'-8' height	B&B
11	Chinese Pistache	<i>Pistacia chinensis</i>	2" -2 1/2" Cal	B&B
23	Chanticleer Pear	<i>Pyrus calleryana 'Chanticleer'</i>	2" -2 1/2" Cal	B&B
8	Crimson Spire Oak	<i>Quercus alba x rober 'Crimschmidt'</i>	2" -2 1/2" Cal	B&B
3	Swamp White Oak	<i>Quercus bicolor</i>	2" -2 1/2" Cal	B&B
4	Chinkapin Oak	<i>Quercus muehlenbergii</i>	2" -2 1/2" Cal	B&B
1	Lacebark Elm	<i>Ulmus parvifolia</i>	2" -2 1/2" Cal	B&B
130	Total Trees			

Note: In case of a discrepancy between the Plant Schedule and the Plans, the Plans shall govern.

Bid Items

Contractor shall provide pricing for the following bid items:

Item	Unit Measure
Deciduous Trees	
1-3/4" - 2" caliper (B&B)	each by plant type
2" - 2 1/2" caliper (B&B)	each by plant type
Evergreen Trees	
6' - 7' height (B&B)	each by plant type
7' - 8' height (B&B)	each by plant type
Sod w/ Bermudagrass	14,019 SY
Sod w/ Fescue	7,435 SY
Note: Sod quantities do not include waste allowance.	
Irrigation repairs	lump sum
All other specified materials and operations for tree and grass installation shall be subsidiary to the above unit price bid items.	

