FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	49	91

For Information Only: To be bid as Landscaping & Seeding)

SUMMARY OF QUANTITIES

SHADE TREES

QTY.	COMMON NAME	BOTANICAL NAME	SIZE (MIN.)
2	Patmore Ash	Fraxinus pennsylvanica 'Patmore'	50mm–65mm Cal. BB
2	Urbanite Ash	Fraxinus pennsylvanica 'Urbanite'	50mm–65mm Cal. BB
4	Sawtooth Oak	Quercus acutissima	50mm–65mm Cal. BB
4	Lacebark Elm	Ulmus parvifolia	50mm–65mm Cal. BB

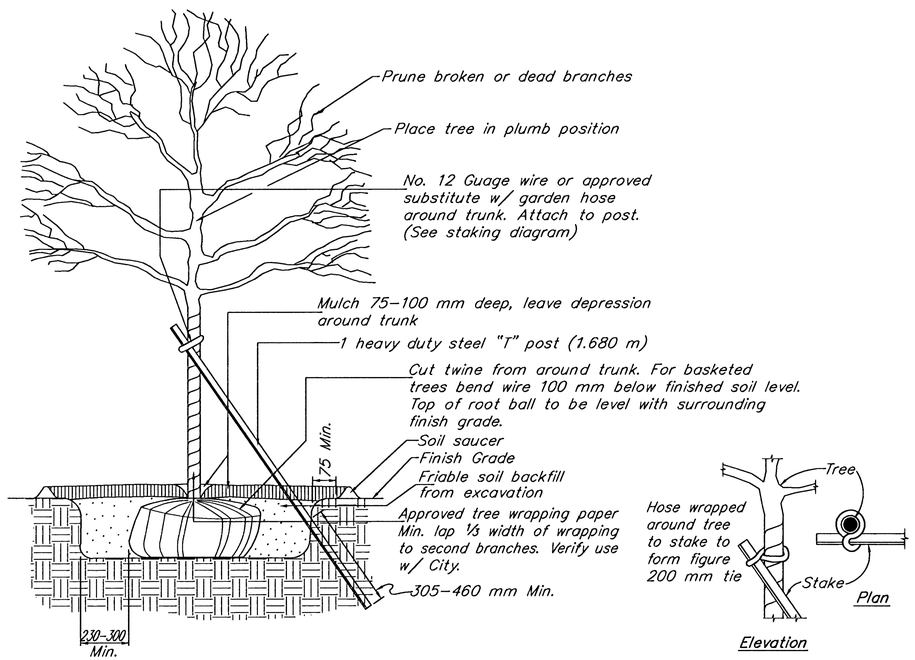
SUMMARY OF QUANTITIES

ORNAMENTAL TREES

QTY.	COMMON NAME	BOTANICAL NAME	SIZE (MIN.)
4	Oklahoma Redbud	Cercis rensiformis 'Oklahoma'	1.8 m–2.4 m BB
6	Goldenrain tree	Koelreuteria paniculata	50mm–65mm Cal. BB
4	Spring Snow Crabapple	Malus sp. 'Spring Snow'	1.8 m–2.4 m BB
6	Chinese Pistache	Pistacia chinensis	40mm–50mm Cal. BB
2	Capital Pear	Pyrus calleryana 'Capital'	1.8 m–2.4 m BB
4	Japanese Tree Lilac	Syringa reticulata	40mm–50mm Cal. BB

NOTES:

All shade trees shall have a minimum branching height of 1.5 m and ornamental trees shall be pruned to have major lower branches parallel to the roadway.



Deciduous Trees: 208 mm Caliper & Smaller
Evergreen Trees: 1.830 m Height & Smaller

Elevation

Staking Diagram

\K9542\SUMTROTY
SCALE 1"=10'

GENERAL NOTES

TREES: The Contractor shall furnish and install plant materials as provided by the Standard Specifications (1990 Edition) and details this sheet.

PEAT MOSS: Peat Moss shall be thoroughly incorporated into well pulverized backfill soil. The rate of application, based on bagged (18.1 Kg.) peat moss, shall be as follows:

Ground cover beds	– 25.0 bags/93 m²
Each bare root and potted plant (except ground cover)	– 1.0 bags
Each plant with a 300–400 mm soil ball	– 1.5 bags
Each plant with a 460–610 mm soil ball	– 2.5 bags

Peat Moss will be measured by the bag of 18.1 Kg. per each bag.

FURNISHING AND PLANTING PLANT MATERIALS:

Mulching shall be loosely and uniformly applied to each tree and to each shrub bed to a min. depth of 100 mm using shredded mulch or commercially available chipped wood or pine straw.

Preparation of shrub beds and furnishing and placing wood mulch shall be Subsidiary to planting trees and shrubs.

SEEDING AND SODDING: All disturbed areas shall be seeded or sodded, mulched and fertilized. Seed and Fertilizer rates are shown on seeding sheets.

TREE TIE SYSTEM:

Provide screw type earth anchors in conjunction with tree guying system. Minimum anchor size shall be 50 mm Helix, 610 mm x 9 mm shaft, 40 mm dia. eye.

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

FERTILIZER TABLETS:

Fertilizer shall be a commercially prepared tablet, tightly–compressed and formulated to be long–lasting (2 year min.) with a slow–release analysis of 20–10–5 derived from urea–formaldehyde, calcium phosphates, potassium sulfate, calcium sulfate, ferrous sulfate and meeting the following minimum guaranteed analysis:

Total Nitrogen (N) *	– 20.0%
7% Water Soluble Organic Nitrogen	
13% Water Insoluble Nitrogen	
Available Phosphoric Acid (P_2O_5)	– 10.0%
Soluble Potash (K_2O)	– 5.0%
Calcium (Ca)	– 2.6%
Sulfur (S)	– 1.6%
Iron (Fe)	– 0.35%

*17% slowly available nitrogen from urea–formaldehyde.

Tablets shall be 21 gram min. weight.

Tablets shall be uniformly placed halfway up the root ball about 25 mm from the root tips. Do not place tablets in the bottom of the hole. The rate of application shall be the number of 21 gram tablets per each plant as shown below:

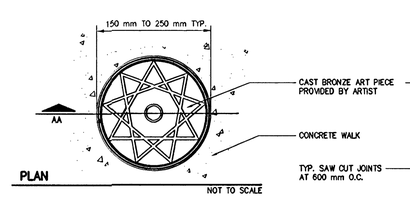
Each bare root plant	– 3 Tablets
Each plant with a .405 m soil ball	– 8 Tablets
Each plant with a .460 m soil ball	– 9 Tablets
Each plant with a .508 m soil ball	– 10 Tablets
Each plant with a .610 m soil ball	– 12 Tablets

Furnishing and application of fertilizer tablets shall not be paid directly, but shall be Subsidiary to planting trees and shrubs.

TREE LOCATIONS

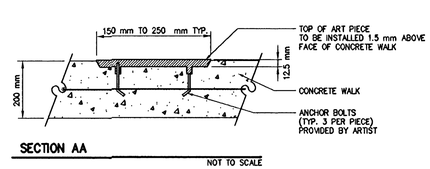
STATION	LT.	RT.	TYPE
22+697		13.054	Sawtooth Oak
22+715		13.054	Sawtooth Oak
22+734		11.782	Chinese Pistache
22+737		11.782	Chinese Pistache
22+752		13.054	Patmore Ash
22+757	7.210		Oklahoma Redbud
22+760	7.210		Oklahoma Redbud
22+774.5	7.210		Oklahoma Redbud
22+777		11.782	Chinese Pistache
22+777.5	7.210		Oklahoma Redbud
22+787.5		11.782	Chinese Pistache
22+826	7.210		Chinese Pistache
22+827		13.054	Sawtooth Oak
22+839		11.782	Japanese Tree Lilac
22+843		11.782	Japanese Tree Lilac
22+845	7.210		Chinese Pistache
22+854		11.782	Japanese Tree Lilac
22+857		11.782	Japanese Tree Lilac
22+868		13.054	Sawtooth Oak
22+882		11.782	Goldenraintree
22+884	8.482		Urbanite Ash
22+885		11.782	Goldenraintree
22+901	8.482		Urbanite Ash
22+912		13.054	Patmore Ash
22+926		11.782	Capital Pear
22+929		11.782	Capital Pear
23+004	7.210		Goldenraintree
23+007	7.210		Goldenraintree
23+027	7.210		Goldenraintree
23+30	7.210		Goldenraintree
23+113	7.210		Spring Snow Crab
23+116	7.210		Sping Snow Crab
23+117		13.054	Lacebark Elm
23+128	7.210		Spring Snow Crab
23+131	7.210		Spring Snow Crab
23+137		13.054	Lacebark Elm
23+156		13.054	Lacebark Elm
23+175		13.054	Lacebark Elm

The stations and offsets shown for all trees are to be considered as only approximate and only with the approval of the project Engineer shall be adjusted to avoid any utility conflicts.



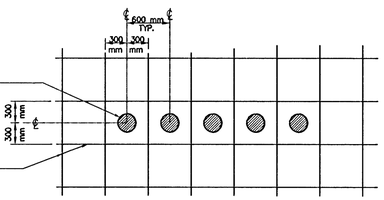
PLAN

NOT TO SCALE



SECTION AA

NOT TO SCALE



TYPICAL LAYOUT DIAGRAM

NOT TO SCALE

NOTES:
1. G.C. TO SET BRONZE ART PIECES IN CONCRETE PER DETAIL.
2. INSTALLATION LOCATIONS AND ORIENTATION OF ART PIECES AS DIRECTED BY ARTIST OR ARTIST'S REPRESENTATIVE.
3. 140 ART PIECES SHALL BE PROVIDED BY ARTIST TO G.C. FOR INSTALLATION.

ART PIECE DETAILS

ARTCORE VARIES

PROJECT ARTIST :

KENT WILLIAMS
524 SOUTH COMMERCE
WICHITA, KANSAS 67202
TEL.: 316–283–6770

CITY OF WICHITA

BROADWAY STREET IMPROVEMENTS

LANDSCAPE SUMMARY AND NOTES

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO.
N.T.S.		K9542

Sheet 49

SURV.	PLOT	CADD	DES.	K.M.	DR.	M.G.C.	TR.	CKD.	K.M.	APP.	S.K.B.