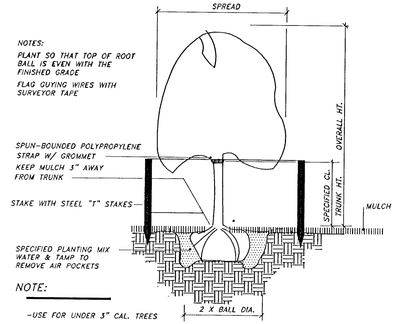
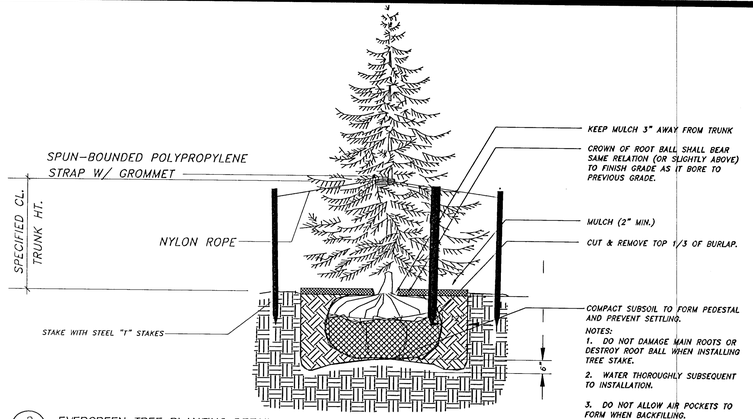
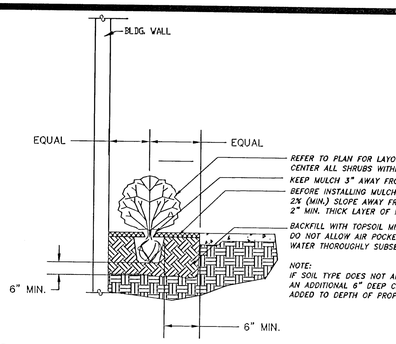


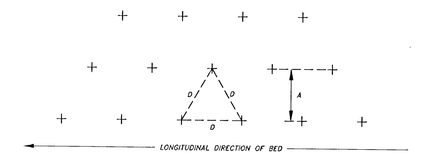
1 L2 DECIDUOUS TREE PLANTING DETAIL
NO SCALE



2 L2 EVERGREEN TREE PLANTING DETAIL
NO SCALE

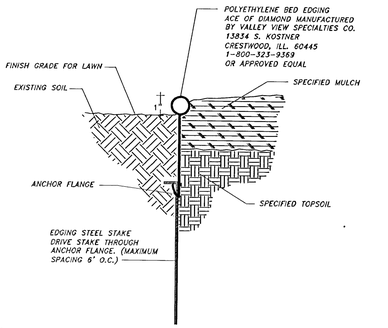


3 L2 SHRUB PLANTING DETAIL
NO SCALE

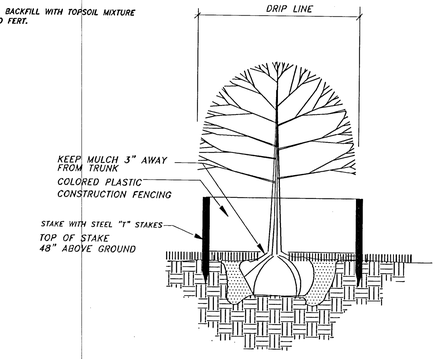


SPACING "D"	ROW "A"	PLANTS/AREA UNIT
6" O.C.	5.20"	4.1810/S.F.
8" O.C.	6.93"	2.500/S.F.
10" O.C.	8.66"	1.660/S.F.
12" O.C.	10.40"	1.150/S.F.
15" O.C.	13.00"	0.738/S.F.
18" O.C.	15.60"	0.512/S.F.
24" O.C.	20.80"	0.219/S.F.
30" O.C.	26.00"	0.185/S.F.
36" O.C.	30.00"	0.128/S.F.
42" O.C.	36.12"	0.093/S.F.
48" O.C.	41.28"	0.073/S.F.

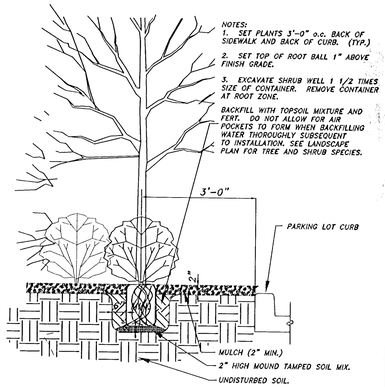
5 L2 PLANT SPACING CHART
NO SCALE



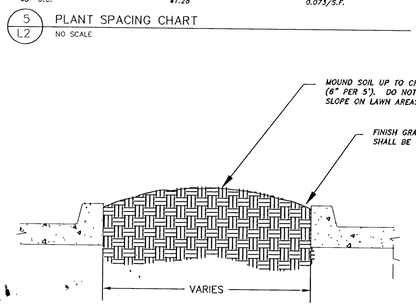
5 L2 VINYL BED EDGING DETAIL
NO SCALE



6 L2 TREE PROTECTION FENCING
NO SCALE



7 L2 SHRUB & TREE PLANTING DETAIL
NOT TO SCALE



4 L2 LAWN SECTION
NO SCALE

1.01 GENERAL

A. Description:
Furnish all plants and other materials, labor and equipment and perform all operations in connection with the 1) Planting of trees, shrubs and turf, 2) Maintaining plant material and 3) Pruning existing trees.

B. Standards:
Plant material shall meet or exceed the specifications of Federal, State and Local Laws requiring inspection for plant disease and insect control. Plant material shall conform to the following documents which are to be considered a part of these specifications.

"USA Standard for Nursery Stock", American Association of Nurserymen, Inc., latest edition.

"Manual of Cultivated Plants", L.H. Bailey, MacMillan Publishing Co., Inc.

C. Protection of Materials:
Properly store and protect all materials prior to, during and after installation. Materials and equipment may be stored on site in an area approved by Owner. Security of all materials, including installed plant materials, is sole responsibility of Contractor until final acceptance of project by Owner.

D. Measurements:
Before ordering any material or doing any work, verify all measurements of the work and be responsible for the correctness of same. Plant material spacings shown in plant schedule are for general reference only. The quantity of plant materials to be installed is shown on the drawings.

E. Maintenance:
Duration: Begin maintenance upon commencement of work on project and continue for a period of thirty (30) calendar days after written acceptance of project by Owner. During the maintenance period, hand water plant materials and turf as necessary if sprinkler irrigation system is not operational.

Trees
Deep root water newly planted trees once per week. Prune sucker growth as directed by Landscape Architect.

Shrubs and Groundcover
Water shrubs and groundcovers as necessary for healthy appearance. Maintain beds weed free using appropriate manual weeding methods and selective herbicides. Maintain and replace as necessary a 3" depth of mulch in all beds. Cultivate beds as necessary to keep soil loose.

Turf
Water turf as necessary for healthy appearance. Mow and edge as necessary to maintain a manicured appearance. Maintain all turf areas relatively weed-free.

Irrigation System
Monitor and adjust controllers, valves and heads to ensure a proper watering irrigation system. Irrigation plans shall be submitted and approved by the City of Wichita meeting minimum irrigation requirements.

F. Guarantee:
Guarantee all plant material except turf for twelve (12) months after written acceptance of work. Replace all dead and unhealthy plant materials and plant materials that have partially died so that shape, size or symmetry has been damaged. Any trees that settle or are wind blown during the guarantee period shall be adjusted back to an upright position. Plant materials used for replacement shall be same species and size, planted as originally specified, at no cost to the Owner. This guarantee does not apply where plant material dies, after written acceptance of work, due to improper maintenance or storm, drought, hail, freeze, insect or disease damage.

Guarantee turf for ninety (90) days after written acceptance of work. Turf planting shall produce a full stand of grass, uniform in color and quality and reasonably free of weeds and imperfections. Any turf not in this conditions shall be replaced at no cost to the owner.

2.01 MATERIALS

A. Plant Material:
Quality
Plant material shall be true to name and one of each bundle or lot shall be tagged with the botanical name and size. Plants shall have a habit of growth that is normal for the species and shall be first quality, sound, healthy, vigorous and free from insects, pests, eggs, larvae, disease and injures. They shall have healthy, well developed root systems and be well branched and densely foliated when in leaf. ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED ON DRAWINGS.

The Landscape Architect may inspect plant material either at place of growth or at site before planting, for compliance with requirements for genus, species, variety, size and quality. Landscape Architect retains right to further inspect plant material for size and condition of balls and root systems, insects, injuries, and latent defects, and to reject unsatisfactory or defective material at any time during progress of work. Remove rejected plant material immediately from project site.

Size
Plant materials shall be equal to or exceed the measurements specified on the plant material list. Multi-trunk (M/T) trees specified in caliper inches shall be the total sum of the caliper of the largest trunk plus 1/2 the sum of all other trunks. Caliper inch measurements for trees below 4" caliper shall be measured 6" above grade and trees 4" caliper and larger shall be measured 12" above grade.

Where formal arrangements or consecutive order of trees or shrubs are shown, select plant material for uniform height and spread to assure symmetry in planting.

Plants shall have been growing in the specified size container for one full growing season prior to delivery.

Substitutions
Substitutions will be permitted only upon submission of proof that the scheduled plant material is not obtainable, and authorization by the Owner or his representative by a Change Order providing for the use of the nearest equivalent obtainable size or variety of plant having the same essential characteristics with an equitable adjustment of contract price.

Condition
Balled and Burlapped (B & B): Plant material designated B/B shall be dug with firm, natural balls of earth sufficient diameter and depth to encompass the fibrous and feeding root system necessary to ensure full recovery of the plant. As a minimum, balls shall be nine inches (9") in diameter for each one inch (1") of trunk diameter, measured twelve inches (12") above root ball. Balls shall be firmly wrapped with burlap or similar material and bound with twine, cord or wire mesh.

Container (Cont.): Plants grown in containers shall be fully rooted throughout the earth ball within the container, but not root bound.

B. Hydro-Mulch Fiber:
Conwed hydro-mulch fiber, or equal approved in advance by Landscape Architect.

C. Compost:
Decomposed organic matter rich in humus. Source shall be approved by Project Manager prior to use.

D. Topsoil:
Fertile, dark sandy loam free of stones and lumps (over 1"), subsoil, roots, weed seeds and other debris, characteristic of productive soils in the vicinity and from one site only.

E. Mulch:
Shredded bark mulch, hardwood or cedar.
Large size pine or redwood bark chips.

F. Fertilizer:
"Fertiloid" organic fertilizer or equal approved in advance by Landscape Architect.

G. Water:
Water will be furnished by the Owner at existing outlets. Hose, meter and other equipment required will be furnished by the Contractor.

H. Edging:
Polyethylene Bed Edging, Ace of Diamond. (Manufactured by: Valley view Specifications Co., Crestwood, Illinois 60445, 1-800-323-9369) or equal, approved in advance by Landscape Architect.

I. Other Material:
All other material, not specifically described but required for a complete and proper planting installation, shall be selected by the Contractor, subject to the approval of the Landscape Architect.

3.01 EXECUTION

A. Tree Planting:
Excavation
Dig a rough sided hole the same depth as the root ball and twice the diameter of the root ball.

Prior to planting, fill the hole with water to ensure good drainage. If water does not drain out within 24 hours, notify Landscape Architect for alternate planting location.

Planting
Set tree in upright position in the center of the hole and backfill existing topsoil around the root ball. Thoroughly water when the hole is 2/3 filled. After watering, continue backfilling with topsoil until the surface is level with the surrounding the area and crown of the plant is at the finished grade. Build up a temporary watering basin around the base of each tree.
Mulching
Apply mulch to a depth of three (3") inches, evenly spread over the entire water basin.

B. Shrub Planting:
Excavation
Dig a rough sided hole the same depth as the root ball and twice the diameter of the root ball.

Prior to planting, fill the hole with water to ensure good drainage. If water does not drain out within 24 hours, notify Landscape Architect for alternate planting location.

Planting
Space plant material as indicated on the Planting Plan. Water the bed thoroughly after planting.

Edging
Install edging around planting beds, where indicated on Drawings, in the configuration shown.

Mulching
Apply mulch to a depth of two (2") inches evenly spread over the entire bed area.

C. Turf Planting:
Soil Preparation
Remove all undesirable vegetation with a selective herbicide, and sticks, stones, roots and other debris from soil. Apply fertilizer at a rate of 20 lbs./1000 sf. Till soil to a depth of two (2") inches. Rake soil smooth, free from variations, bumps and depressions to finish grade (1" below walks and curbs). All turf areas shall slope to drain.

Solid Sod
Sod shall be transported and planted within 36 hours of stripping. Sod shall be protected from exposure to wind and sun and from freezing.

Lay sod to form a solid mass with tight fitted joints. Butt ends and sides of sod and offset joints in adjacent courses. Work sand into cracks between sod. Immediately after sod is laid, roll and water thoroughly and continue watering daily to ensure 6" penetration of water into soil. Do not allow turf blades to wilt.

On sloping surfaces where erosion may be a problem, sod shall be laid parallel to the contours and secured by pinning, pegging or other approved methods.

D. Pruning of Existing Trees:
Prune existing trees as noted on drawings. Each tree shall be pruned according to the designated "Class Pruning" indicated. Pruning shall conform to "Pruning Standards for Shade Trees", latest edition, National Arborist Association.

E. Clean-Up:
Keep all areas of work orderly and free of debris at all times during construction. Prior to final acceptance, clean up the entire work area to the satisfaction of the Owner and Landscape Architect.

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(405) 235-8075 FAX (405) 235-8078
Certificate of Authorization #E-1128 EXP. DATE: 12-31-2005

WICHITA WATERWALK

PUBLIC IMPROVEMENTS PHASE 1A

Mark	Date	Description
1		

PLANT SCHEDULE AND DETAILS

Job No.	
Date	06-16-05
Drawn	BC
Checked	PB

L2.0 OF 1

Dwg. 18 of 23

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