

PLANTING SPECIFICATIONS

I. SCOPE

The work under this section includes all labor, materials, and equipment required to complete work indicated on the drawings. The work shall be performed in accordance with the best standards of practice relating to the various trades and under the continuous supervision of a competent foreman capable of interpreting the drawings and these specifications.

II. INSPECTIONS

Inspections by landscape architect may be required for the following parts of the work:

1. Inspection upon completion of preliminary finish grading, header board location, and walkways.
2. Inspection of plants prior to layout.
3. Layout inspection of spotted plants.
4. Final inspection upon completion of all planting and tree staking, prior to commencement of maintenance period.

The contractor shall request inspection at least two days in advance of the time inspection is required.

III. MATERIALS

A. PLANT MATERIAL

The plant material indicated on the drawings shall conform to the following:

1. Condition: Plants shall be symmetrical, typical for variety and species, sound, healthy, vigorous, free from plant diseases, insect pests, or other eggs, and shall have healthy, normal root systems, well filling their containers, but not to the point of being root bound. Use only plant materials that are first class representatives of the species and cultivars specified and that conform to all state and local laws governing the sales, transportation, and inspection of plant materials.

Trees shall have straight, single trunks, unless otherwise specified on the plans. Those specified to be multi-trunk shall have at least three main leaders from the base. Any and all plants that have any encircling roots (not root bound) shall have root-balls lightly slashed at a minimum of three (3) sides to stop encircling root growth.

B. FERTILIZERS AND SOIL AMENDMENTS

Commercial grade fertilizers and soil amendments shall be uniform in composition, dry and free-flowing, delivered to the site in the original, unopened containers, each bearing the manufacturer's guaranteed analysis. Any material which becomes caked or otherwise damaged, making it unsuitable for use, will not be accepted.

1. Fertilizer 'A': Fertilizer for general soil fertility improvement in all turf and planting areas shall be pelleted type having a N6-P20-K20 formula.
2. Fertilizer 'B': Fertilizer to be applied to lawn areas prior to seeding or sodding shall be pelleted type having N6-P2-K6 (with 12 iron).
3. Fertilizer 'C': Fertilizer to be incorporated in each plant pit shall be a plant tab with formula N20-P10-K5, such as Agriform.
4. Fertilizer 'D': Fertilizer to be applied to lawn areas after turf is established and around installed container plants during the maintenance period shall be pelleted type combination chemical-organic formula N15-P2-K6.
5. Nitroloized redwood or cedar sawdust (soil amendment). Shall be bulk, treated with reactive form of nitrogen (NH₃). See Section IVB.
6. Iron sulfate: Standard commercial brand.

C. SOIL

1. Soil shall be existing surface soil (unless otherwise indicated on the plans) and shall be free from subsoil, refuse, roots, heavy or stiff clay, rocks, sticks, trash, or other deleterious materials.
2. Import soil: Any and all imported soil, if required, shall be of a sandy-loam texture.

D. MULCH

Mulch for use on all planting areas and plant wells shall be redwood bark chip mulch (top dressing) medium grind (3/8 to 3/4 inch diameter). Texture shall be equal to Vico Bark.

IV. WORK PROCEDURES

A. CLEARING AND GRUBBING

All existing trees to be preserved in an undisturbed condition. All weed growth within designated planting areas shown on the plan shall be removed by hand digging.

B. SOIL CONDITIONING

1. All planted areas shall be cultivated to a light and friable consistency, whereupon the following material per 1,000 square feet shall be uniformly tilled into the top 6" of soil, using a rototiller or similar machine, and then thoroughly watered down. Small areas shall be cultivated by hand tools.

1/2 cubic yards	nitrogen stabilized sawdust
25 pounds	6-20-20 fertilizer 'A'
10 pounds	iron sulfate

2. Prepared soil mix for backfill in pits for trees, vines, and shrubs shall consist of the following:

1/2 cubic yard	nitrogen stabilized redwood or cedar wood residual (sawdust)
1/2 cubic yard	native soil
1 pound	iron sulfate

Agriform tabs as follows:

1 gallon	2 tabs
5 gallons	4 tabs
15 gallons	6 tabs
	6-8 tabs for boxed material

Native soil shall be soil excavated from the planting holes (free of rock over one-half inch in diameter). The materials shall be thoroughly mixed until they lose their individual identities.

C. FINISH GRADING

Upon completion of rough grading, weeding and soil conditioning, any irregularities left due to construction shall be fine graded to the elevations shown on the drawings after the soil has dried sufficiently to be readily worked. Grades not otherwise indicated shall be uniform levels or slopes between points of existing grades.

D. PLANTING CONDITIONS

1. All soil preparation and planting operations shall be conducted under favorable weather conditions only. Soil shall not be worked when excessively wet or dry.

E. PLANTING OF TREES AND SHRUBS

1. All pits for plants shall be dug per plan detail. Level size of hole shall be two times diameter of root ball, and one-half again as deep as the depth of the root ball. Soil at sides and bottom shall be loosened by scarifying to ensure root penetration (no smooth circular sides).
2. Pits shall be backfilled with "prepared soil" to the bottom of the root ball. The plant shall then be set in an upright position in the center of the hole and the space around it backfilled with planting mix. When the backfill around the plant is approximately two-thirds completed, the plant shall be thoroughly watered, after which the backfill shall be completed to the grade of the surrounding area. The crown of the plant shall be 1-1/2" above (minimum) finished grade.
3. Prepare a soil ring at least 3" high and as wide as the root ball around each plant (not in a turf area) to retain water. Water thoroughly to eliminate air pockets. Each tree in turf areas shall have the turf removed in a ring 24" in diameter around the tree base.

F. PLANTING GROUND COVERS

1. Planting shall take place in the existing prepared soil which shall be moist and friable, never dry or wet and soggy. The moist condition shall extend to the full depth of cultivation.
2. Spacing: The spacing of all ground cover plants shall be as indicated on the plans and in the Plant List. They shall be planted in evenly spaced rows with staggered triangular spacing and around the shrubs (to within one foot) and trees (to within eighteen inches). No ground cover shall be planted less than one-half of the specified spacing from any curb or walkway.
3. Mulching: Immediately after planting, all ground covers shall be thoroughly watered and the areas between plants shall have bark chips spread evenly to a minimum one inch depth.
4. Weed control: See 2D.

G. PLANTING TURF GRASS

1. After all soil amendment and fertilizers have been applied and cultivated into soil, all areas shall be fine graded. All ridges and depressions shall be removed, and the areas shall be smooth, continuous, firm planes, that ensure proper surface drainage. All rocks, soil lumps, and deleterious materials larger than one inch shall be removed and the area raked and compacted with a 200-pound roller.
2. Sodding
 - a. Sodding: All areas shall be raked to finish grade elevation leaving grade approximately one inch lower than paving to accommodate sod thickness.

Spread 20 pounds per 1,000 square feet of 6-2-0 fertilizer 'B' on all soil surfaces prior to sodding.

Sod slabs shall then be neatly installed. Stagger end joints (tightly jointed with no visible spaces). Lightly water and roll entire area. Then heavily water to assure water penetration of at least 8" in depth.
 - c. Fertilizing during Maintenance

Fertilizer 'D' shall be applied 30 calendar days after planting at the rate of five pounds per 1,000 square feet. Repeat every thirty days during maintenance.

Weed Control

1. Weed control material shall be a pre-emergent herbicide or approved equal applied as per manufacturer's recommendation.
2. Mulching: Bark chips shall be spread evenly over the entire area of each soil ring to a minimum depth of 1-1/2". All areas between shrubs and trees shall have bark chips spread evenly to a minimum one (1") inch depth.

V. MAINTENANCE

Maintenance shall follow and coincide with the planting operations, and shall continue for sixty (60) calendar days.

Work shall include, but is not limited to, all watering, weeding, mowing, fertilizing, cultivation, spraying, cutting, and pruning necessary to keep plant material in a healthy growing condition, and to keep the planted areas neat and attractive in appearance throughout the maintenance period.

Contractor shall fertilize each tree and shrub with fertilizer 'D' (15-2-6) at the end of 30 days, as follows:

1/4 pint per each 1 gallon plant
1/2 pint per each 5 gallon plant
1 pint per each 15 gallon plant and larger

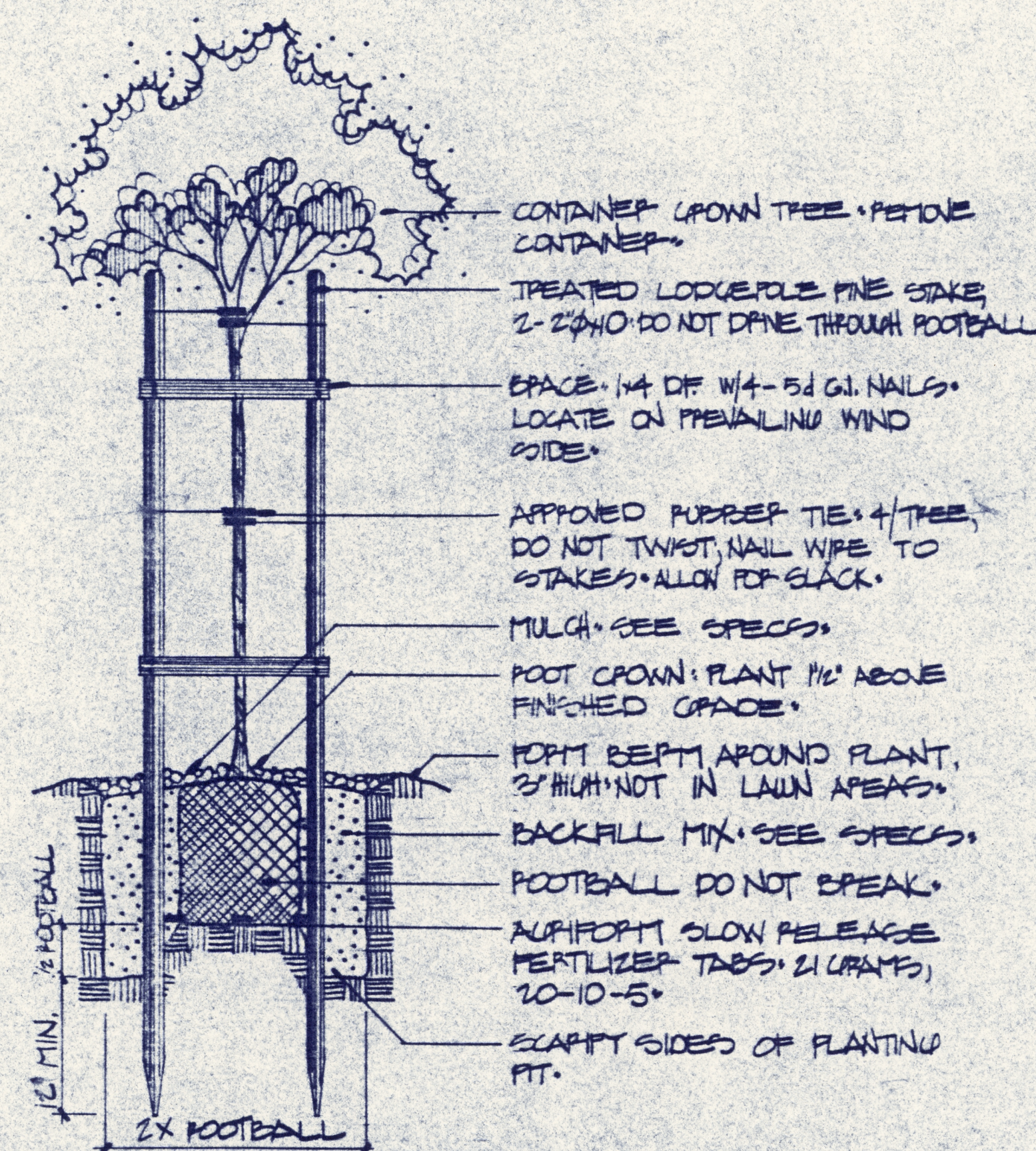
Fertilizer shall be spread evenly over the surface of the plant basin, cultivated into the mulch and soil, and thoroughly watered in.

All damaged, unhealthy, or dead trees, shrubs, and ground covers shall be replaced with new stock immediately; size and kind as indicated on the drawings.

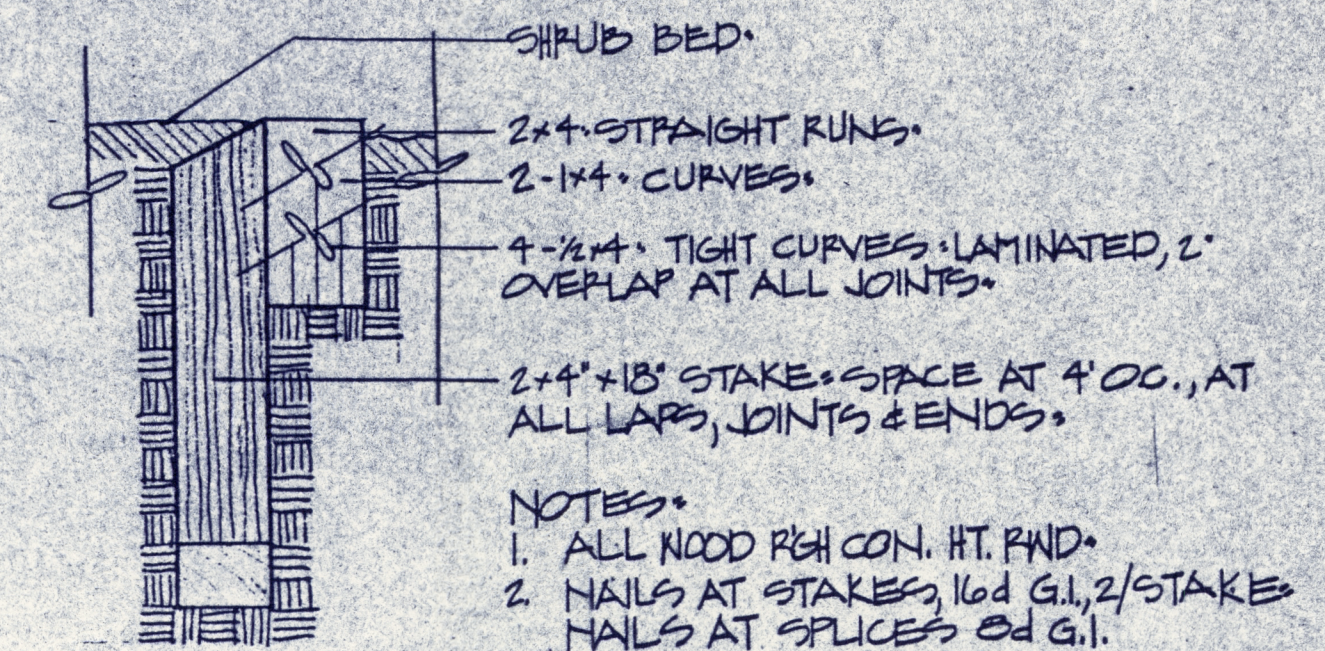
Prior to the end of maintenance, contractor shall apply fertilizer 'D' (15-2-6) at the rate of 4 pounds per 1,000 square feet uniformly over all planting areas.

VI. FINAL APPROVAL

Final approval will be upheld until a full, even stand of grass is achieved and all plants are deemed to be in a vigorous, healthy condition.



1
4 TREE STAKING DETAIL
NO SCALE



2
4 HEADER BOARD DETAIL
NO SCALE

PLANTING DETAILS & SPECS
SHELTER FOR THE HOMELESS
MONTGOMERY STREET
SAN JOSE, CALIFORNIA

Martin Kamph & Associates
Landscape Architects/Environmental Planners



Project CB7.12
Date 9/16/87
Drawn MK
Checked
Approved

Revisions	Date	Description	By

North
Scale

Sheet
L-4
of
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Project
H.I.P. INC.
501 CALIF.