

GENERAL REQUIREMENTS

DEFINITIONS

Whenever in these specifications the following terms are used, the intent and meaning shall be interpreted as follows:

- Landscape Architect:** Enviro Design, 1424 Greenville Avenue, Suite 200, Dallas, Texas 75231, and/or their authorized representative.
- Approved:** Approved by the Owner and the Landscape Architect. Any variation from these specifications or substitutions of materials specified must be approved in writing.
- Drawings:** Any plan, elevation, section, detail or other drawing under the title of this contract.
- Specifications:** All of the specifications bound in this volume, and addenda thereto which may be issued and such descriptive data as may be incorporated in approved work orders or change orders.
- Contractor:** The bidder who is awarded this contract, his representatives, and his subcontractors and their representatives.
- Initial Acceptance:** Owner acceptance of the initially completed landscape and irrigation installation at the start of the one (1) year warranty period.
- Final Acceptance:** Owner acceptance of the completed landscape and irrigation installation at the end of the one (1) year warranty period.

CHANGES IN THE WORK

The Landscape Architect or General Contractor shall have authority to order minor changes in the work not involving an adjustment in the contract sum or an extension of the contract time, and not inconsistent with the intent of the contract documents.

The Owner, without invalidating the contract, may order changes in the work consisting of additions, deletions or other revisions, the contract sum and the contract time being adjusted accordingly. All such changes in the work shall be authorized by change order and shall be executed under the applicable conditions of the contract documents.

While no new or unforeseen items are anticipated, they shall be classed as extra work when they cannot be covered by any of the contract documents. The contractor shall submit detailed prices for any extras to the Landscape Architect, and shall perform such extras upon written acceptance from the Owner or Landscape Architect. In the absence of such written order, he shall not be entitled to payment for such extra work. All bills for extra work shall be submitted monthly.

COOPERATION

The Owner shall have the right to do other work or to let other contracts for work to be done on the same site as specified for the work to be done under this contract. The Owner's arrangements as to precedence of work and the relationship between the Contractor and the Owner shall be decisive.

LANDSCAPE ARCHITECT'S STATUS

The Landscape Architect is the representative of the Owner.

As the Landscape Architect is the interpreter of the contract documents, he shall side with the Owner in the event of a dispute between the Contractor and the Owner, but shall endeavor to enforce faithful performance by both.

DAMAGES

The Contractor shall be responsible for all damage that may occur to the adjoining improvements or streets, or any accidents to any person or persons in and about the site or adjacent streets, and for all damage done to adjoining property or the work of others during the progress of the work under this contract, and caused by any act or omission of the Contractor or his employees.

The Contractor shall be responsible for damage to the site improvements thereon, including underground improvements, incurred through his execution of this work, and shall agree to have such damage repaired by qualified workmen. However, the cost of repairing underground lines, unless otherwise specified, shall not be included in this contract.

DIRECTION OF THE WORK

The Contractor shall be held responsible for the full direction and supervision of all work under this contract and shall follow all instructions or directions from the Landscape Architect or Owner.

The Contractor shall have a competent Supervisor or Foreman on the job at all times while the work is in progress. This Foreman, acceptable to the Owner, shall direct, coordinate and receive instructions in the absence of the Contractor. The Foreman shall coordinate the work of the various subcontractors.

DRAWINGS AND SPECIFICATIONS

The Contractor shall keep one (1) copy of all drawings and specifications, memoranda and shop drawings at the job at all reasonable times, available to the Owner or Landscape Architect, and their representatives.

These specifications and accompanying drawings are to be interpreted to their full intent, meaning and spirit, whether taken separately or together. Taken together, they shall be deemed mutually to explain each other and to be descriptive of the work performed under this contract.

Should there be any discrepancy between the drawings and specifications, the drawings shall govern between the descriptive writing on the drawings and the plant list. Discrepancies in the materials, the descriptive writing shall govern. The large-scale details shall be followed in preference to the smaller-scale drawings.

Should there be anything shown on the drawings and not described in the specifications, or not shown on the drawings and described in the specifications, the same shall be fully executed and carried out as if drawn, shown or described in both and the contractor is not to make any alterations or corrections on the drawings or in the specifications. Should any error appear, the same is to be referred to the Landscape Architect before the bids are submitted or the work is commenced, or as otherwise specified herein.

EXAMINATION OF THE SITE

All Contractors submitting proposals for this work shall first examine the site and all conditions at the site. All proposals shall take into consideration all such conditions as may affect the work under this contract.

The Contractor and subcontractors shall be responsible for verifying all plant quantities shown on the plant list and plans. Any discrepancies shall be brought to the attention of the Landscape Architect prior to bidding.

Extra charges or compensation will not be allowed due to differences between actual measurement and the dimensions shown on the drawings after the work is initiated.

UNIT COST SUBMITTAL

As part of his bid, the Contractor shall submit a unit cost schedule of all products, including labor, for the purpose of additions or deductions to the project.

GUARANTEE-WARRANTY

The Contractor shall, and hereby does, warrant all materials and all work performed by him for a period of one (1) year after initial acceptance, as set out in the various sections and for which quantities are required.

INSURANCE

The Contractor and his subcontractors shall carry Property Damage and Public Liability insurance and Workers' Compensation and Employers' Liability Insurance in the amount required by the Owner. He shall furnish the Owner certificates of compliance before starting work on the job.

All fixtures, equipment, and materials supplied by the Contractor shall remain his property until such time as accepted in writing or paid for by the Owner, and the Contractor shall protect them with appropriate insurance against theft or other loss.

The Contractor shall not cause any insurance to be cancelled or permit any insurance to lapse. All insurance policies shall include a clause to the effect that the policy shall not be cancelled or reduced, restricted, or limit changed until thirty (30) days after the Owner has received written notice as evidenced by return receipt of registered or certified mail.

Certificates of insurance shall contain transcripts from the proper office of the insurer, evidencing in particular those insured, the extent of the insurance, location of operations to which the insurance applies, the expiration date, and the above mentioned notice of cancellation clause.

MATERIAL INSPECTION

The Contractor shall inspect all materials upon their arrival at the job and see that they conform to the requirements of these specifications and prevent the unloading of any defective materials or prevent the extent of the insurance, location of operations to which the insurance applies, the expiration date, and the above mentioned notice of cancellation clause.

The Contractor shall not cause any insurance to be cancelled or permit any insurance to lapse. All insurance policies shall include a clause to the effect that the policy shall not be cancelled or reduced, restricted, or limit changed until thirty (30) days after the Owner has received written notice as evidenced by return receipt of registered or certified mail.

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MATERIAL AND WORKMANSHIP

Materials shall be new. Both workmanship and materials shall be the best quality of their respective grades.

The Contractor shall submit samples of materials, etc., when required by the Landscape Architect, as applied out in other sections of these specifications. All samples shall be approved by the Landscape Architect before proceeding with the work. The Contractor shall be responsible for satisfactory completion of all work and shall provide without extra charge all incidental items required to complete the work, although every such item may not be specifically prescribed or indicated, but is necessary for proper and complete installation of the work. The Contractor shall submit evidence of the quality of materials used, that each item of material furnished under the contract fulfills the requirements of the specifications for such materials.

PERMITS AND REGULATIONS

The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the work of this contract.

The Contractor shall obtain all permits and pay all fees, licenses and deposits required by law or ordinances to comply with the work of these specifications.

SUBSTITUTION OF MATERIALS

The Contractor, before substituting bid, shall locate all necessary materials as called for in the plans and specifications, and shall be assured of their availability for use on the job.

The Contractor bids shall be based upon providing the specified materials, processes, products, etc., identified in this specification and/or indicated on the drawings, or as provided in the Alternates.

In the event substitutions are proposed by the Contractor to the Landscape Architect after the contract has been awarded, the Landscape Architect will record all time and materials used by him and by his consultants in evaluation of each such proposed substitution. Whether or not the Landscape Architect approves a proposed substitution, the Contractor, promptly upon receipt of the Landscape Architect's billing, shall reimburse the Landscape Architect and his consultant for time and materials spent by them in evaluating the proposed substitution.

RELATIONS OF CONTRACTOR AND SUBCONTRACTOR

The Contractor agrees to bind every subcontractor to the terms of the drawings and specifications and wherever practicable, to the agreement and General Conditions, as far as applicable to the subcontractor's work.

SUPERINTENDENCE

The Landscape Architect will not engage in any way to superintend or relieve the Contractor of responsibility for the complete and proper execution of the work, nor for the consequences of neglect or carelessness by him or his subcontractors.

SALES TAX

The Contractor shall include all applicable taxes.

STORAGE

The Contractor shall verify prior to bidding, whether or not he will be allowed to store materials on the site at a location approved by Owner for use at a later date. Owner will not be responsible or liable for loss of stored materials.

TEMPORARY UTILITIES

All necessary utilities may not be available at all areas of work. Owner may be contacted for further information.

WATER

Water will be available on the site at no expense to the Contractor. Tap, meter fee, hose and other watering equipment required for the work shall be furnished by the Contractor at his expense. Additional water will be available as the irrigation system is installed.

TERMS OF THE CONTRACT

A copy of the Owner's standard contract form or General Contractor's subcontract form shall be available to the bidder upon request, and will generally outline the terms of the contract.

UNCOVERING AND CORRECTION OF WORK

If any work should be covered contrary to the request of the Landscape Architect, it must, if required by the Landscape Architect, be uncovered for his observation and replaced at the Contractor's expense.

If any other work has been covered which the Landscape Architect has not specifically requested to observe prior to being covered, the Landscape Architect may request to see such work, and it shall be uncovered by the Contractor. If such work is found to be in accordance with the contract documents, the cost of uncovering and replacement shall be appropriate charge order, be charged to the Contractor. If such work is found not in accordance with the contract documents, the Contractor shall pay such costs unless it is found that this condition was caused by a separate contractor employed by the Owner under a separate contract and in that event, the Owner shall be responsible for the payment of such costs.

The Contractor shall promptly correct all work rejected by the Owner or Landscape Architect as defective or as failing to conform to the contract documents whether observed before or after substantial completion and whether or not fabricated, installed, or completed. The Contractor shall bear all costs of correcting such rejected work.

STARTING WORK

The Contractor agrees to begin the on-site work not later than ten (10) calendar days after the date of written notice from the Owner or General Contractor authorizing the Contractor to proceed with the work, and that he will work continuously, barring bad weather, until the job is completed and as noted herein. Actual gathering of material, etc., may start after the contract is executed and the Owner issues any necessary purchase orders for the contract amount.

INITIAL COMPLETION AND ACCEPTANCE

Upon written notice that the work is ready for initial inspection and acceptance, the Landscape Architect or his representative will promptly make an observation visit to the project and, when he finds the work acceptable under the contract documents, he will promptly declare in writing the best of his knowledge, and on the basis of his observations, the work has been completed in accordance with the terms and conditions of the contract documents.

TECHNICAL SPECIFICATIONS

PART ONE - GENERAL

WORK INCLUDED

Perform all work required to complete and maintain, until acceptance by the Owner, the landscape installation, including all labor, materials, service, and equipment necessary and described herein and shown on the accompanying drawings.

RELATED WORK

Drawings and general provisions of Contract, including General and Supplementary Conditions and Specification sections, apply to work of this section. Coordinate with work of other trades.

QUALITY ASSURANCE

Approval: The selection of materials and execution of operations required under these drawings and specifications are subject to the approval of the Landscape Architect or Owner.

Rejection: The Landscape Architect or Owner will, at any stage of the operation, have the right to reject material and work which in his opinion does not conform to the contract documents, all rejected material shall be promptly removed and corrected by the Contractor as directed.

SOURCE QUALITY CONTROL

The Landscape Architect has the right to select all plant materials at the nursery, field source or Contractor's holding yard, when so authorized by the Owner. The Contractor is to include in the base contract cost the amount for transportation, logging, meals, etc. for the Landscape Architect to visit at the source of supply, the plants indicated on the materials list. Such approval will not impair the right of inspection and rejection upon delivery at the site or during the progress of the work.

REFERENCES

STANDARDS FOR NURSERY STOCK, by the American National Standards Institute, 2261, May 1964.

SUBMITTALS

Submit for approval, when requested, sufficient representative quantities of topsoil, compost, peat moss, sod stems, gravel, etc. Samples shall be approved by the Landscape Architect before use on project.

Submit signed truck quantity delivery receipts upon request.

Submit one (1) representative sample of each tree, shrub, and groundcover plant, when requested, for the Landscape Architect's approval. When approved, they will be tagged and maintained as representative samples. Samples may be used to complete installation provided they remain tagged until initial acceptance of entire installation.

ACCEPTANCE

Maintain all trees, shrubs, and groundcover under this Contract until Owner's acceptance, by adequate watering, cultivating the top two (2) inches, weeding every two (2) weeks, spraying, and replacing as necessary to keep plants in a healthy, vigorous condition, remaining and raking bed areas as may be required to keep them neat.

Maintain all grass areas under this Contract until acceptance by watering, mowing, edging, fertilizing, spraying, etc.

JOB CONDITIONS

Water will be available on the site at no expense to the Contractor. Hose and other watering equipment required for the work shall be furnished by the Contractor at his expense. Additional water will be available as the irrigation system is installed.

Work notification: Notify the Landscape Architect at least seven (7) working days prior to installation of plant materials.

Protect existing utilities, paving, and other site amenities from damage caused by landscape operations. It shall be the Contractor's responsibility to notify all utility companies of impending planting operations and have all utilities flagged.

The irrigation system will be installed prior to planting. Locate, protect, and maintain the irrigation system during planting operations. Repair irrigation system components damaged during planting operations at this Contractor's expense.

WARRANTY

All work is warranted for one (1) full year after initial acceptance. The Contractor is obligated to correct any work found to be defective or nonconforming. Upon notice, remove dead materials and all materials not in vigorous, thriving condition, as soon as weather permits and on notification by the Landscape Architect or Owner. Plants, including trees, which have partially died or that show signs of dieback or are being damaged by insects or other pests shall be replaced. In such cases, the price of the Landscape Architect will be final. Annual plants will be guaranteed for a period coinciding with their normal season of growth.

Plants used for replacement shall be of the same kind and size as those originally planted and shall be planted as originally specified. All work, including materials, labor, and equipment used in replacement, will be at no cost to the Owner. Replacement plants shall carry a one (1) year warranty. Any damage, including trees in lawn or bed areas, incurred in making replacements shall be repaired to the satisfaction of the Owner or Landscape Architect by the Contractor.

At the direction of the Landscape Architect, plants may be replaced at the start of the next planting or digging season but, in such cases, dead plants shall be immediately and completely removed from the premises.

Should the Owner not elect to contract for a one (1) year Maintenance Contract with the Contractor, the Contractor shall be responsible for the maintenance of the plants and perform a permanent maintenance program including proper mowing, trimming, pruning, weeding of beds, fertilizing, and watering (including deep root watering of trees and removal of water from tree underdrain systems).

PART TWO - PRODUCTS

PLANT MATERIALS

Plant material shall be delivered to the site after the beds are prepared and are ready for planting. Shipments of plant materials shall be thoroughly protected from the sun and wind during transit and protected from frost. All plants shall be delivered to the site, shall be well protected. Plant materials remain the property of the Contractor until initial acceptance.

SHRUBS AND GROUNDCOVERS

Plants shall be nursery grown, healthy, vigorous, compact, bushy to the ground, well branched, of normal habit of growth for the species, and shall be free from defects, decay, girdling roots, sun-scalded injuries, abrasions of the bark or limbs, diseases, insect eggs, insects, and other pests. They shall have well developed root systems. Plants of the American Association of Nurserymen, Inc. The specified sizes shall be before planting, and the plants shall be measured from their normal top branches in normal position to the top of the ball or soil level. Plants shall not be pruned prior to delivery, except upon special approval.

All plants shall be of specimen quality. Specimen means an exceptionally heavy, symmetrical, lightly knit plant, so trained or fostered in its development that its appearance is unquestionable and outstandingly superior in form, number of branches, compactness and symmetry.

All plants shall be hardy under climatic conditions similar to those in the locality of the project.

SHADE TREES

Shade trees shall be healthy, vigorous, full-branched on all sides, well-spread, specimen quality, symmetrical, and shall meet the trunk diameter, height and spread requirements as specified. Single trunk trees shall have a straight trunk. Trees which have a distinct leader or trunk or are one-sided, or do not meet the above requirements shall be rejected. Branch structure and crown will be rejected. Ball shall be firm, neatly, slightly tapered, and well wrapped. Any tree loose in the ball or with broken ball at the time of planting will be rejected. Trees with abrasions on the bark, disfiguring knots, or wounds over two (2) inches which have not caloused will be rejected. Tree ball sizes shall be as outlined in ANSI Z601 - 1980.

Multi-trunk Trees: No division of the trunk which branches more than six (6) inches from the ground level, as determined by the root crown of the plant, shall be considered a stem.

ORNAMENTAL TREES

Ornamental trees shall be healthy, vigorous, full branched, well shaped, and shall meet the height and spread, caliper and branching character as specified. Trees not having a full, symmetrical branch structure and crown will be rejected.

Single trunk ornamental trees shall have straight trunks with branching beginning a minimum of forty-two (42) inches above the top of the ball or container.

Multi-trunk ornamental trees shall be pruned so all 'sucker' type branching is removed from around trunk canes as well as extraneous branching on trunk canes below crown of tree. Pruning shall be such that at least one-half of the plant is trunk branching, and approximately one-half is crown foliage. All multi-trunk trees will conform to the number of trunk canes and/or caliper specified.

MATERIALS

Compost: 100% organic, aerobically composted humus, fully composted under proper CH ratios with sustained temperatures to 170 degrees F., possessing excellent air porosity, water holding capacity and drainage, optimum cation exchange capacity, free of weeds, seed seeds, insect pests and with a pH averaging 6.5 to 7.5. As supplied by Living Earth Technology, Dallas, Texas, or approved equal.

Fertilizer: Complete slow release fertilizer with an organic base, uniform in composition, dry and free flowing. Deliver fertilizer to site in original unopened containers, each bearing manufacturer's guaranteed statement of analysis. Fertilizer shall contain 20% nitrogen, 10% phosphoric acid, 10% potash, unless otherwise specified or approved. *Agriform by Sierra Chemical Company, or approved equal.

Filter Fabric: Terra Tex 80 as supplied by Smeery, Inc., Dallas, Texas, or approved equal.

Fast Moss: Clean sphagnum peat, free of noxious weeds and rubble, dark brown in color.

Fine Bark Mulch: Fine, textured, one (1)-inch to one-and-one-half (1.5)-inch size as supplied by Hope-Agri-Products, Hope, Arkansas, or approved equal.

Hardwood Bark Mulch: Hardwood bark, consisting of oak, gum and hickory, hammer-milled through a one and one-half (1.5) inch screen. Initial pH to be in the 6.0 - 7.0 range, with long term buffering. As supplied by Living Earth Technology, Dallas, Texas, or approved equal.

Gypsum Bark Mulch: Decomposed gypsum bark having a pH between 6.0 and 7.0, sterilized, containing no harmful active residues (i.e., pesticides, disease organisms and foreign chemicals), and screened to a particle size of one (1)-inch or smaller.

Steel Edging: Four (4) inches wide, 1/8" thick, painted dark green with rust resistant paint and stakes loosely welded or formed into brackets. Spikes shall be similar material, 1/8" inches long. As supplied by J.T. Ryerson 1 808, Inc., or approved equal.

Tree Stakes and Guy: Standard domestic steel "T" posts, six (6) foot length, painted green, with ultra reflective top. Adj-A-Type Model B100 tie straps. As supplied by AM Leonard Company, Piquette, Ohio, or approved equal.

Topsoil: Fertilize natural surface soil, uniform in composition, similar to site topsoil if approved, free of stones, lumps, weeds and roots. Minimum 20 percent organic matter, 50 to 10 percent sand, 5-20 percent clay.

Espalier Wire: 16 gauge galvanized wire with appropriate fasteners and ties.

PART THREE - EXECUTION

TAGGING

The Contractor shall make an initial selection and tag, with a permanent tree tag, the trees he proposes to furnish that meet all the specification requirements and deliver required quantities to the site for approval after specification. Tree tags to be removed after final planting is complete.

The Contractor shall lay out his work and set necessary markers and stakes. All plants are to be in straight and even rows or as shown on the plan. The Landscape Architect or Owner reserves the right to relocate shrubs and trees from positions on the plan prior to their planting. All tree locations are to be approved by the Landscape Architect.

TREE PITS AND PLANTING

Ornamental Trees: Plant ornamental trees in pits twelve (12) inches larger than the tree ball. Prior to setting the tree, the pit shall be backfilled with five (5) parts of topsoil to one (1) part of compost and carefully settled by watering to prevent air pockets. From a three (3) inch high watering ring for each ornamental tree. All cord or wire to secure burlew on trees shall be cut from top of ball and around trunk. Place a two (2) inch layer of compost inside the watering ring.

Shade Trees: Plant shade trees in a tree pit two (2) feet greater in diameter than the tree ball. The crown of the tree ball should be approximately one (1) inch higher than the existing grade. After setting the tree, the pit shall be backfilled with five (5) parts of acceptable existing soil or topsoil to one (1) part of compost and carefully settled by watering to prevent air pockets. From a four (4) inch high watering ring around the tree ball, cord or wire to secure burlew on trees shall be cut from top of ball and around trunk. Place a two (2) inch layer of compost inside the watering ring.

Percolation Test Pits: The Contractor shall excavate at least four (4) test pits on the site with water to test for percolation. Sites of pits shall be compatible to largest tree pit to be excavated. Location can be in conjunction with proposed shade tree location. Monitor pit for forty-eight (48) hours. If, at the end of that time, water does not significantly percolated, a stand pipe underdrain system should be installed for trees in that area.

Stand Pipe Installation: Should it be determined that tree pits will not percolate, or do so very slowly, shade trees shall have sump pits installed in specially excavated tree pits per details shown on plans. Pipe shall be four (4) inch diameter class 200 PVC, installed in a trench and projecting four (4) inches above tree ball, inside water ring. PVC caps will be placed on all pipes. Exposed portion of pipe to be painted flat black, or color approved by Landscape Architect.

BED PREPARATION

Groundcover Beds: Loosen all groundcover beds to a depth of six (6) inches. Two (2) inches of peat moss or compost shall be applied and worked into the upper six (6) inches of the bed. Beds shall be thoroughly tilled and pulverized to a depth of six (6) inches and raked smooth. Work fertilizer into soil at the rate of twelve (12) pounds per 1000 square feet. Delivery receipts of soil amendments may be requested.

Loosen all seasonal color beds to a depth of six (6) inches. Four (4) inches of peat moss or compost shall be applied and worked into the upper six (6) inches of the bed. Beds shall be thoroughly tilled and pulverized to a depth of six (6) inches and raked smooth. Beds shall be left two (2) to three (3) inches higher than surrounding grade for proper drainage.

Shrub Pocket Planting: Loosen the shrub planting area by rototilling. Excavate shrub pit six (6) inches wider and four (4) inches deeper than the shrub root ball. Backfill with one (1) part of compost or peat moss and six (6) parts of existing good topsoil. Place a two (2) inch layer of mulch, lightly into the soil around the shrub at the rate of (12) twelve pounds per 1000 square feet. Beds shall be left high to prevent poor drainage or ponding of water within the bed.

Care shall be taken to prevent planting beds from blocking drainage against building or impeding site drainage in any way.

TREE GUYING AND STAKING

Submit unit cost in bid for staking all trees four (4) inch caliper and under, with three (3) steel stakes and three (3) Adj-A-Type straps, Model B100. Stakes should be located equal distance around trees and outside of tree pit. Stakes to be embedded a minimum of two (2) feet into stable soil.

Stakes and guys shall be removed following the one (1) year warranty period.

BED ALIGNMENT AND PLANT PLACEMENT

Shrubs and groundcover shall be planted in string line straight rows using alternate spaces between rows. The specified quantity of shrubs or groundcover shall be placed in the bed prior to planting to assure even coverage. The specified quantity of seasonal color shall be placed in the bed prior to planting to assure even coverage.

After the planting is completed, all cultivated areas shall be leveled, loosened, and raked, and the edges carefully trimmed so that the tree pits and beds shall present a neat, finished appearance. The Contractor shall be responsible for any work not specified in the plans with the lines shown on the Planting Plan. Steel edging stakes shall be on the inside of the beds.

TOP DRESSING

After the work of planting has been completed and approved by the Landscape Architect, mulch all beds and tree rings with two (2) inches of bark mulch, lightly cultivated into area. Do not disturb watering saucer and do not cover root ball.

PRUNING

Prune all dead and broken branches and stubs flush. Selectively thin out twenty (20) percent of the branches of all trees and ornamentals at time of planting. *Yapoon Holly and Crataegus are to be pruned so that at least one-half of the tree is trunk branching and approximately one-half is crown foliage. Remove tags, labels, ribbons, etc. Trim pipe all stakes to maintain a neat, uniform appearance.

ESPALIER WIRE INSTALLATION

Attach one (1) vertical wire to surface as follows:

1. Wrought iron - wire fasteners
2. Masonry - masonry nails
3. Wood - galvanized nails
4. Stucco - glue fasteners

Use one (1) fastener per three (3) feet of height. Wire shall continue to the top of the vertical surface. Patterns shall be designated on the plan if different from that specified.

GRASS AND WEED REMOVAL

Existing grass and weeds in areas of proposed beds shall be removed either chemically or by excavation, including root systems. Existing weeds shall be removed either chemically or by excavation, including root system, from all proposed lawn areas prior to installation of grass. Contractor shall re-fill excavated areas with topsoil to finish grade before bed preparation or grass installation.

SOIL EROSION PROTECTION

Install wire mesh in planting beds with slopes greater than three to one prior to planting. Mesh shall have a minimum overlap of five (5) inches between sections. Joint shall be installed in longitudinal sections running parallel with the slope, providing the length of slope is in excess of ten (10) linear feet from top to bottom. Wire mesh on slopes with lengths less than ten (10) linear feet shall be installed across the slope and double pinned at the twelve (12) inch overlap. Pins shall be installed so that no gaps or gaps are visible in mesh.

LAWN