Drawings, any Addenda issued prior to the agreement, and all modifications issued by the Landscape Architect after execution of this agreement such as Change Orders and other written interpretations for changes in the work. The intent of the Contract Documents is that the Contractor shall furnish all labor, materials, equipment and services necessary for completion of the proposed work.

Conflict of Documents / Bid Proposal: In the event any document which is a part of the Agreement is found to be in conflict with any other document which also is a part of the Agreement, the Contractor shall notify the Landscape Architect of such conflict for a determination as to the course of action to be followed. The decision of the Landscape Architect shall be

All materials and work called for on the drawings graphically on by notes shall be furnished and installed whether or not specifically mentioned in the Technical Specifications. Should there be specifications for materials or work which are neither shown on the bid proposal, drawings (graphically or by note). nor implied thereby, such specifications should be deemed superfluous and may be disregarded.

3. Approvals: All samples, shop drawings or schedules required for approval shall be furnished by the Contractor as directed subject to approval by the Landscape Architect. The work shall be done in accordance with these approved items/ and the other Construction Documents.

4. Surveys, Permits and Regulations: Unless otherwise specified, the Owner shall furnish all surveys at his expense Easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by the Owner, unless otherwise specified to achieve proper conformity. Permits, licenses, royalties, and lien fees necessary for the prosecution of the work shall be secured and paid for by the Contractor.

5. Existing Conditions: Existing conditions including surface features, soil boring data and any underground utilities shown on the plans and/or referred to in the specifications are for informational purposes only and shall not be deemed as part of the plans and specifications. The Contractor shall make an examination of the site of the proposed work and completely familiarize himself with the nature and extent of the work to be encountered. No extra compensation will be allowed for any work made nedessary by unusual conditions or obstacles encountered during the progress of the work which conditions or obstacles are readily apparent upon a visit to the site. The Contractor shall hotify the Landscape Architect of any discrepancies between the plans and actual site conditions.

The Contractor shall do nothing that would modify the operating condition of active utilities encountered in this construction. He shall contact all public utilities involved and have their representative locate their pipes, conduits, cables or other facilities before construction is started. The Owner and the Landscape Architect do not assume responsibility for location or disturbance of utilities or other existing features or conditions encountered on this project. Any replacement or relocation cost shall be the Contractor's responsibility, unless otherwise

B. OWNER, CONTRACTOR & LANDSCAPE ARCHITECT RELATIONSHIP

1. Access to Work: It shall be the obligation of the Contractor to provide proper facilities to permit the Owner and his representative to observe the work during any stage of the construction

2. Landscape Architect's Responsibility & Authority: All work shall be done subject to the approval of the Landscape Architect. All decisions and questions which may arise as to the quality or acceptability of materials furnished, work performed, progress of the work, interpretation of drawings and specifications, and all questions as to acceptable fulfillment of the Agreement by the Contractor shall be made by the Landscape Architect.

The Landscape Architect reserves the right to reject and require the replacement of any sub-contractor selected by the Contractor or to require the Contractor to terminate the services of any sub-contractor whose performance is deemed inadequate and detrimental to the job as a whole. Employment of subsequent sub-contractors shall be subject to approval by the Landscape Architect.

All claims of the Confractor of the Owner shall be made to the Landscape Architect/for decision. All decisions of the Landscape Architect shall be made in writing within a reasonable time and shall be final except where time and/or financial considerations are involved, which considerations shall be subject to arbitration. The procedure of arbitration shall be the standard form of arbitration procedure of the American Arbitration Association. The Contractor shall not cause a delay of the work during any arbitration proceedings except by agreement with the Øwner.

3. Separate Contracts: The Owner reserves the right to let other contracts in connection with the work under the Agreement. The Contractor shall provide reasonable access and opportunity for the other contractors to do their work and shall fit, connect and coordinate his work with theirs so as not to cause them or him any undue delay or impediment to the prompt and proper performance and/completion of the work by each.

4. Owner's Right to do Work: The Owner, without prejudice to any other right or remedy he may have, shall have the right to prosecute the work in the event the Contractor fails to perform the work property or fails to perform any provisions of the Agreement. A prerequisite of such action by the Owner shall be three days written notice to the Contractor and approval of such action by the Landscape Architect. The amount charged the Contractor for making good such deficiencies shall be approved by the Landscape Architect and may be deducted from payments then or thereafter due the Contractor

5. Owner's Right to Terminate Contract: In the event of any default by the Contractor, the Owner, without pitejudice to any other right or remedy he may have, shall have the right to terminate the employment of the Contractor after giving the Contractor seven days written notice. Such notice of termination shall be subsequent to default by the Contractor and after receiving/written notice from the Landscape Architect certifying cause for such action. It shall be considered default by the Contractor whenever he shall:

a) Dediare bankruptcy, become insolvent, or assigh his assets for the benefit of his creditors.

b) Violate or disregard important provisions of the Agreement or instructions from the Landscape Architect.

c) Fail to prosecute the work according to the agreed Schedule of Completion, including amendments and/or modifications

 d) Fail to provide a qualified superintendent, competent workmen or sub-contractors, or proper materials, or fail to make prompt payment thereof. / Upon termination, the Owner may take possession of the prémises and of all materials, tools, equipment and appliances thereon and finish the work by whatever method he may deem

expedient. In such case, the Contractor shall not be entitled to

receive any further payment until the work is finished. In case the statement of accounts shows that the cost to complete the work including compensation for additional landscape architectural, managerial, and administrative services is less than that which would have been the cost to the Owner had the work been completed by the Contractor under the terms of the Agreement, the excess shall be paid to the Contractor. If such expense exceeds the unpaid balance, the Contractor shall pay to the Owner the difference, as certified by the Landscape

Contractor's Right to Stop Work or Terminate Contract: Upon the occurrence of any of the situations enumerated hereunder, the Contractor shall have the right to terminate the Agreement and recover from the Owner payment for all world executed including any proven loss sustained upon any equipment or materials and reasonable profit and damages. provided that seven day written notice is given to the Owner and

the Landscape Architect: a) If the work should be stopped under order of any court or sother public authority for a period of thirty days through no fault of the Contractor or of anyone employed by him b) If the Landscape Architect should fail to issue any Certificate

of Payment, through no fault of the Contractor, within seven days after formal request by the Contractor for payment. c) If the Owner should fail to pay the Contractor within the payment period specified in the Agreement or within seven day's after a Board of Arbitration has made an award.

7. Correction of Work: All work and materials condemned by the Landscape Architect as failing to comply with the Contract Documents shall be promptly removed, replaced/and/or reexecuted by the Contractor to bring it into compliance with the requirements. This shall be done at the expense of the Contractor without cost to the Owner and shalf include making good all work of other contractors destroyed or damaged by such removal\or replacement.

8. Liens: Before final payment is made, the Contractor shall furnish the Owner with a full release of liens/signed by all subcontractors and material suppliers associated in any way with the work. These liebs shall be accompanied by a notarized affidavit (sworn statement) to the effect that all claims of any character pertaining to the performance of the Contract, including subcontractors, material suppliers and labor/have been paid in full and that the acceptance of final payment is acknowledged as a release of the Owner from any and all claims arising under or by virtue of the Agreement.

C. INSURANCE AND PROTECTION: The Contractor shall secure and maintain insurance coverages, in the amounts required and/or stipulated in the Special Provisions of the Agreement, protecting him from claims under workmen's Compensation and Employer's Liability Insurance as required by law, Public Liability, Bodily Injury including death, and Property Damage which may arise in the course of carrying out the work under the Agreement. Certificates of such insurance shall be filed with the Owner and the Landscape Architect before commencing any of the work under this Agreement.

The Contractor shall adequately protect the work, adjacent property and the public and shall be responsible for any damage or injury due to his act or neglect. The Contractor shall save harmless the Owner from and against any and all losses and/or claims brought or recovered against the Contractor or his sub-contractors by reason of any error, omission or act of the Contractor, his agents

or employees in the execution of the work or the guarding of it. The Owner may, at his own expense, obtain and maintain such insurance as will protect him from passible contingent liability to others for damages because of bodily injury or death, which may arise from operations under the Agreement, and any other liability for damages which the Contractor is required to insure against under provision of the Agreemen

D. CHANGES IN THE WORK If and as the need arises, the Owner may order in writing changes and/or extra work without invalidating the Agreement. At the time of ordering such changes, additions, deletions, or modifications, the amount or method of compensation and any adjustment in the time of completion shall be determined and stipulated in writing.

E. PAYMENTS: . Method of Payment: Payments shall be made in accordance with the schedule specified in the Agreement. The payment of the final amount owing the Contractor shall constitute a waiver of all claims by the Owner except: a) Claims arising from failure to comply with the plans and

specifications b) Claims arising from faulty work or materials appearing after

substantiål completion. c) Claims afrising by virtue of any special guarantee specified in

 d) Claims of the Owner previously made against the Contractor but as/yet unsettled. The acceptance of the final payment by the Contractor shall constitute a waiver of all claims by the Contractor except claims previously made by the Contractor but as yet unsettled. If the Owner should fail to pay the amount stated in any Certificate of Payment issued by the Landscape Architect or in any award by arbitration, the Contractor shall receive in addition

to the amount certified to, interest thereon at the legal rate at the

place of the work. 2. Payment Withheld: Any part or the whole of any payment may be withheld by the Landscape Architect to the extent he deems necessary and reasonable to protect the Owner should the Landscape Architect discover evidence of:

Defective work not corrected. Claims filed against the Contractor. Reasonable evidence indicating probable filing of claims

against the Contractor. failure of the Contractor to make proper payments to subcontractors or for material or labor. e) A reasonable doubt that the Contract can be completed for

the then unpaid balance. Unsatisfied damage to another Contractor. g) Unsatisfactory progress of the work by the Contractor. When the above grounds are removed, the amount withheld because of them shall be paid to the Contractor, subject to and

## **SUPPLEMENTARY CONDITIONS**

within the other terms of this Agreement.

A. PROTECTION OF EXISTING PROPERTY: The Contractor shall be responsible for protecting from damage all existing structures, pavement, and other facilities as well as ground areas not scheduled for improvement. In addition, the foliage, branches, and roots of all existing plants to remain on the site shall be protected from all

damage including, but not necessarily limited to the following: 1. Trunk or branch damage by moving equipment, material storage, nailing, bolting, or attachment of ropes or guy wires.

2. Compaction of root area within the drip line by equipment or material storage. 3. Poisoning by pouring solvents, gasoline, paint, or other

potentially toxic material on plants or plant roots. 4. Cutting of roots by excavating, ditching, etc., except as required by the plans and specifications Any damages to existing property caused by the Contractor's operations shall be repaired by the Owner or such persons as the Owner may employ to accomplish the work. All costs of such work

shall be paid by the Contractor. The Contractor shall not be liable,

however, for the cost of repairing damage to underground utilities the location of which could not be determined prior to beginning B. PROTECTION OF WORK: Unless stated otherwise in these specifications, the Contractor shall be responsible for protection of his materials and equipment from theft, vandalism, animals, fire, and any eventuality other than acts of God while said materials and equipment are on the project site, whether stored or installed in

representative. In like manner, the Contractor shall protect all of his C. INSPECTION AND ACCEPTANCE: Prior to request for job inspection, the Contractor shall conduct his own inspection of the project. The Landscape Architect shall not be called for final inspection until the Contractor is satisfied that his work conforms to the drawings and specifications and any authorized modifications

place, until the project has been accepted by the Owner or his

The Landscape Architect shall inspect all work for completion upon request by the Contractor, such request to be received by the Landscape Architect at least three days prior to the desired inspection date. The Contractor may request inspection of completed portions of a job prior to completion of the entire job. Divisions of the job into logical portions, if authorized, shall be accomplished by negotiation between the Owner, Landscape Architect and Contractor prior to beginning the job.

After the Contractor has made the necessary replacements and corrections occasioned by the inspection for completion, the Landscape Architect shall re-inspect the job or portion of the job and, if the work has been completed in accordance with the plans and specifications, shall so state in a written document to the Contractor.

D. GUARANTEES: Any materials or work specified herein or shown on the drawings graphically or by note for which a guarantee is not stated elsewhere in these specifications shall be guaranteed for a period of one year from the date of acceptance of the project by the

Manufacturer's or supplier's warranties shall not relieve the Contractor of his liability under the guarantees stated herein, but shall be considered supplemental to such guarantees.

## LANDSCAPE INSTALLATION

A. GENERAL: The General Conditions and Supplementary General Conditions apply to the work of this section the same as if written Notifications: The Contractor shall notify the Landscape Architect at least two days in advance of the date on which the following phases of work (when included in the Contract) are to begin: Fine

grading, delivery of plants to the site, staking of groundcover beds, preparation of groundcover beds, tree and/or shrub planting. SITE GRADING: All areas to be graded shall be shaped to a smooth, even grade as shown or described on the plans. The Contractor shall ensure that all grades at paved surfaces are one inch below the paved surface in areas to receive sod or plant beds and one-half inch below the paved surface in areas to be seeded. The Contractor shall contact the Landscape Architect for approval of

C. PLANTING OPERATIONS - GENERAL:

1. Plant Nomenclature a. Botanical plant names used on the drawings conform to the most recent nomenclature authorities available including, but not necessarily limited to the following: Hortus Third, Liberty Hyde Bailey Hortorium, 1977, MacMillan Co., N.Y. b. Common names used on the drawings conform to local

tradition and personal preference and are included only for Botanical names shall be used as the correct names for all plants except in cases where the botanical name of

commonly available plants has been lost to antiquity. 2. Substitutions a. Substitutions will be permitted only after submission of proof by the Contractor that a specific plant, plant size, or grade is

not reasonably obtainable Any plant may be furnished container grown in lieu of other methods if all other requirements are met, unless specifically prohibited by the drawings.

Substitutions will be authorized by the Landscape Architect in the form of a change order or addendum. d. An equitable adjustment of the contract price will be made, if necessary, in accordance with the General Conditions. 3. Transporting: All plant material transported by truck shall be

packed to provide adequate protection against injuries due to climatic conditions or breakage during transit. Open topped trucks shall be securely covered with a tarpaulin or other suitable material to prevent wind-whipping and drying. Contractor shall take precautions to ensure proper shipment from suppliers. Trees transported on tree spade trucks shall have their branches secured in such a manner as to minimize wind-whipping.

4. Approval of Materials: All materials may be inspected and approved by the Landscape Architect at the source of supply as to species, size, form, and quality. However, such approval does not alter the Landscape Architect's right of inspection and rejection of materials upon delivery to the project site or during the progress of the work for improper shipment, incorrect ball specifications, or physical damage caused in handling or storage. All rejected materials shall be immediately removed from

5. Protection and Handling of Plants a. Insofar as is practicable, plant material should be planted on the day of delivery to the site. In the event that this is not possible, the Contractor shall protect the stock not planted.

b. Balled plants which cannot be planted immediately upon delivery shall have the ball covered with wet burlap, soil, or other suitable material for protection from sun and wind. Plant tops shall also be protected from sun and wind. Bare root plants shall be planted or heeled-in in trenches it

not to be planted immediately. If heeled-in, all bundles of plants shall be opened and the plants separated before the roots are covered. Care must be taken to prevent air

pockets among the roots. d. Container grown plants shall remain in their container until

ready to be set in their plant pit. e. In the event of freezing temperatures during the course of the work, all tender plants whether planted or stored on-site shall be covered with an insulating material for the duration of the period of freezing temperature. In the case of stored materials, the Contractor shall have the option to remove said materials from the project site in order to provide adequate protection but shall still be liable for replacement costs of damaged materials. If, in the determination of the Landscape Architect, planted materials were adequately protected but were still damaged, replacement costs shall be

paid the Owner. All plants shall be handled in such a manner as to avoid damage of any kind. No plant shall be moved by grasping the foliage or by grasping only the trunk or branches. Balled plants shall be lifted by the bottom of the ball and

container grown stock shall be handled by the container. Plants shall not be bound with wire, rope or other material in a manner that would damage the bark, break branches, or

destroy the shape of the plant h. All plants shall be watered as necessary to keep them in top condition until planted.

6. Guarantees a. Plant materials shall be guaranteed by the Contractor to be in vigorous growing condition from the date of the Owner's final acceptance of the completed project or from a date seven days after certification by the Landscape Architect that the project is complete, whichever comes first, for a period of time as follows

Seasonal color 14 days (2 weeks) Grass (sodded & seeded) 30 days (1 month) Shrubs, vines, groundcovers 186 days (6 months)

30 days (1 month)

365 days (1 year) b. Any plants replaced during the guarantee period shall be guaranteed for the remaining portion of the original period or for a period from the date of replacement as follows, whichever is longer: Seasonal color 14 days (2 weeks)

Shrubs, vines, groundcovers 93 days (3 months) 93 davs (3 months) c. In no instance will a guarantee of any plant material be required beyond the original guarantee period or the extended period as applicable.

Grass (sodded & seeded)

7. Guarantee Replacements

a. At any time during the guarantee period that a plant is found to be dead, it shall be replaced as soon as possible but no later than thirty days from the date of request by the Owner. In the case of plants installed in one gallon or smaller containers, dead plants shall be replaced when the Landscape Architect determines that the quantity which has died is sufficient to warrant replacement.

b. Replacement not made by the Contractor within the required time will be made by the Owner or such person as the Owner may employ to accomplish this work. The cost of such replacements shall be charged to the Contractor or deducted from any retainage amount due the Contractor. c. All replacement plants shall be of the same kind, size, and

quality as originally specified and shall be furnished and

planted as originally specified. d. Replacement shall be at Contractor's expense except for those required because of damage by vandals, animals, acts of God, neglect by the Owner, or other causes not attributable to improper installation or inferior materials. The Landscape Architect shall make the final determination as to fiscal responsibility for replacements.

8. Maintenance a. General: Maintenance shall begin immediately after each plant is planted and shall be continued until all planting is accepted by the Owner or until certification by the Landscape Architect that the project is complete, whichever is sooner, and for any additional period of time as may be stated on the Bid Proposal.

b. Maintenance Activities: Maintenance shall include watering, weeding, mowing, edging, spot spraying for weeds, cultivating, mulching, adjusting of stakes, removal of dead materials, resetting plants to proper grades or upright positions, restoration of the planting saucer, repair of erosion, and any other procedure consistent with good horticultural practice necessary to ensure normal, vigorous, healthy growth, and a neat looking project at all times. If maintenance is to be continued beyond the date of acceptance, the Contractor shall be responsible for inspection of the irrigation system at each maintenance visit and shall report to the Owner or Landscape Architect any

problems found. c. Watering: Water all planting as necessary; the quantity applied at any one time shall be sufficient to penetrate the soil to a minimum depth of six inches. If an irrigation system is provided, the landscape Contractor shall be responsible for its proper utilization. Malfunctions of the irrigation system do not absolve the Contractor of his responsibility for proper watering of plants by any means necessary.

d. Weeding: Keep all planting areas free from weeds and undesirable grasses. e. <u>Inspection</u>: If maintenance is to be extended beyond the

date of acceptance, the Contractor shall arrange for an inspection with the Landscape Architect five days prior to the end of the extended maintenance period to identify maintenance deficiencies. All such deficiencies shall be corrected by the Contractor prior to the Owner's acceptance of maintenance responsibility.

a. Daily: The Contractor shall daily clean up all debris, such as rope, wire, burlap, empty containers, rocks, etc., caused by his operations so that the site and any adjacent streets are left in a neat, orderly condition at the end of the day. The Contractor shall, upon request by the Landscape Architect, promptly remove his debris and/or materials from areas where they conflict with the operation of other contractors. Materials storage areas shall be kept looking neat and orderly at all times.

b. Final: Prior to final inspection, the Contractor shall give all planting areas a final weeding and raking, repair plant basins, adjust plant stakes, remove all of his tools, surplus materials and equipment from the site, sweep and/or wash all paved areas soiled by his operations and generally leave the site in a neat, orderly condition

D. MATERIALS

a. Quantities: The Contractor shall supply plant materials in the quantities necessary to complete the work as shown in detail on the drawings. Quantities of ground covers and turf grass, as indicated on the plans and in the plant list, are approximate. These materials shall be provided in quantities sufficient to properly plant the designated area at the spacing indicated on the plans.

b. Quality: All plants shall be sound, healthy specimens typical of their species with well-formed tops and roots and shall be free from injurious insects, insect eggs or larvae, diseases, serious injuries to the bark, roots, or foliage, broken branches, or any other disfigurements Balled and burlapped plants shall have a firm, natural

ball of earth so wrapped with burlap that the earth is held firmly around the roots. Earth balls shall be neither cracked nor broken, nor shall the plant be loose in the ball. Container grown plants shall be of a reasonable age and state of development for the size container specified. Plants shall have been growing in their containers long enough to have developed a good sound root system capable of

holding the entire soil mass intact after removal from the container, but not so long as to have become pot bound. c. Size: All plants shall equal or slightly exceed the measurements specified on the plant list, which are minimum acceptable sizes. Plants substantially larger than specified may be used subject to approval of the Landscape Architect; however, the use of such plants shall not increase the contract price. Height-to-spread-to-caliper ratios of all plants, if not stated on the drawings, shall be typical of the best

examples of the species. Minimum ball sizes shall be as specified on the drawings. Requests for variances shall be submitted to the

Landscape Architect for approval. Exterior plants shall be measured before pruning, with branches in normal position and in accordance with the drawings and the most recent edition of the American Standard for Nursery Stock. Height and spread dimensions shall be measured to the limits of the main body of the plant rather than the extreme tips of growth.

d. Turf Grass Sod: Sod shall be vigorous, well-rooted, healthy turf, free from disease, insect pests, weeds, stones, or other foreign matter. A maximum of 5% Common Bermuda Grass is permitted though not desired. Sod shall be delivered neatly stacked on pallets, and

shall have been cut by a mechanical sod cutter to a soil thickness of not more than one inch nor less than one-half Handling and storage of sod shall be done in a manner that will prevent tearing, drying, or any other damage. Sod

shall be planted within forty-eight hours of digging. e. Interior Foliage Plants: When interior foliage plants are shown on the Bid Proposal and the drawings, the following shall apply:

The Contractor shall provide interior foliage plants specified on the drawing of a quality and size equal to or surpassing Foliage No. 1 grade as described in the Interior Plant Specifications section of the most recent edition of A Guide to Specifications for Interior Landscaping published by the Associated Landscape Contractors of America. All plants shall have been established in their present growing containers for at least six months prior to

No plant shall be accepted which requires permanent staking in order to maintain an upright position. All interior plants shall be sprayed with insecticide (chemicals to be approved by the Landscape Architect) immediately after delivery to the job site and prior to planting. The project will not be accepted if live insects are in evidence

at final inspection time. a. Topsoil shall be fertile, friable, sandy loam, possessing characteristics of representative productive soils in the

vicinity and shall be obtained from well-drained areas. b. Topsoil shall be without admixture of subsoil and shall be reasonably free of stones larger than one-half inch, stumps, roots, sticks, plants and plant reproductive parts, or other foreign material.

c. Topsoil shall be neither excessively acid nor alkaline and shall contain no toxic substances harmful to plants. d. Topsoil shall not be collected, deposited, or mixed with other substances while wet.

e. The Contractor shall provide the Landscape Architect with a one gallon topsoil sample for approval

3. Surface Mulch: Surface mulch shall be finely shredded Pine bark (submit one gallon sample for approval) unless otherwise stated on the drawings.

4. Commercial Fertilizer a. Commercial fertilizer shall conform to all applicable state fertilizer laws

b. Commercial fertilizer, unless specified otherwise, shall be delivered mixed as specified in standard size, unopened containers labeled as to weight, analysis, and name of

c. Fertilizer shall not have been exposed to weather prior to delivery to the site. After delivery until used, it shall be completely protected from the weather at all times.

d. Granular fertilizer shall be uniform in composition, dry, and free flowing. Fertilizer which becomes caked or otherwise damaged and unsuitable for use will not be accepted. Unless otherwise specified, granular fertilizer shall be Agriform 16-7-12 (+ iron). e. Fertilizer Tablets: Fertilizer tablets shall be twenty-one gram

Agriform plant tablets with an analysis of 20% Nitrogen, 10% Phosphorous, and 5% Potassium as manufactured by Sierra Chemical Co.

5. Backfill Mix: Backfill mix for use in backfilling plant pits shall be prepared in the following proportions by volume: 35% Sandy loam topsoil

30% Shredded Pine bark 30% Well-rotted barnyard manure Add the following to each cubic yard of mix

5% Sharp sand

5 lbs Urea Formaldehyde (38% Nitrogen) 2 lbs Single Superphosphate (20% Phosphorous) 2 lbs Potassium Sulfate (52% Potassium) 2 lbs Ferrous Sulfate (20% Iron)

All ingredients shall be thoroughly mixed to provide an homogeneous mixture. 6. Water: Unless stated otherwise in these specifications, water for all necessary operations of the Contractor at the site will be furnished by the Owner. The Contractor shall provide all facilities required to make connections and convey the water to the places where it will be used, and for increasing pressure, if required. Contractor shall not assume that an irrigation system

will be available for use 7. Refer to Planting Details and Plant List for the following: Tree staking materials, Header Boards, Herbicide.

E. PREPARATION FOR PLANTING . Protection of Existing Property: Before planting operations are begun, existing property shall be adequately protected from damage in accordance with the Supplementary General

Conditions herein. 2. Location of Plants: Plants shall be located as shown on the plans. In the event plants cannot be so located because of differences between plan locations and actual site conditions, or because of unusually large rock, underground construction, underground or overhead utilities, tree roots, or other obstructions, the Contractor shall notify the Landscape Architect for a determination as to the course of action to be taken. 3. Refer to Planting Details on the drawings for the following: Plant

pit preparation, Planting bed preparation. PLANTING 1. Setting Plants: All plants shall be handled in accordance with these specifications and shall be planted in accordance with the

planting details on the drawings. 2. Backfilling: Materials for use in backfilling plant pits shall be as stated previously in these specifications. Backfilling shall be accomplished as indicated in the planting details on the

3. Solid Sodding

a. All areas to be solid sodded shall be lightly disced, tilled, or raked and fine graded to provide a smooth, even surface for laying the sod. All existing weed growth shall be removed. The grade at paved surfaces, manholes, and valve and meter boxes shall be one inch below the top of the paved surface or appurtenance.

b. The first strip of sod blocks in each area shall be set along a string line or pavement edge. The remaining strips shall be butted against this initial strip with horizontal joints staggered. Joints shall be made as tight as possible. c. Sod shall be cut where necessary with a sharp knife or other

suitable sharp implement in a manner that will not tear the d. After laying sod, roll all areas lightly to eliminate irregularities and form a good bond with the tilled surface. After rolling, apply the fertilizer specified on the drawings with a

mechanical distributor at the rate recommended by the manufacturer. Immediately thereafter, turf areas shall be watered with a gentle spray to a depth of four inches. 4. Grass Seeding a. Unless stated otherwise on the drawings, all areas to be seeded shall be lightly disced and fine graded to provide a loosely textured, reasonably even grade for planting, and

any vegetative growth shall be removed.

b. Seed shall be as specified on the drawings. c. Seeding shall be accomplished according to the following schedules unless otherwise specified on the drawings: Between the dates of March 1 and September 15 seed with Common Bermuda Grass (hulled) only at the rate of 5 pounds per 1000 square feet. Between the dates of September 15 and March 1

seed with an Annual Rye Grass and Common

Bermuda Grass mixture: Rye Grass, 2 pounds per 1000 square feet; Common Bermuda Grass (unhulled), 3 pounds per 1000 square feet. d. Fertilizer shall be applied at the time of seeding using a balanced, granular, quick release fertilizer (13-13-13 or equivalent) at the following rates: With Common Bermuda Grass: 20 pounds per 1000 square feet; with Annual Rye

e. Seeding shall be accomplished either with a mechanical seed spreader or with a hydromulch machine. The method shall be as stated on the drawings. f. If hydromulching is specified on the drawings, grass seed shall be applied in a hydromulch mixture which shall include

wood fiber specifically made for hydromulching mixed with

Grass/Common Bermuda Grass mixture: no fertilizer

water to create a slurry. Mix the wood fiber according to manufacturer's instructions. g. Any areas not exhibiting an even germination of seed within a three week period shall be re-seeded as necessary to provide an even stand of grass.

5. Watering: All plants except those in sizes smaller than one gallon shall be watered within thirty minutes of planting. Plants in smaller that one gallon sizes shall be watered within fifteen minutes after planting.

a. Any necessary pruning shall be done at the time of planting as directed by the Landscape Architect and in accordance with standard horticultural methods. b. Pruning shall be limited to the minimum necessary to remove

injured twigs, branches, or roots, and as much additional as required by the Landscape Architect, and shall be done in such a manner as to retain the natural shape of the plant. c. Cuts over one inch in diameter shall be painted with an approved tree wound dressing.

7. Herbicide Application: A Pre-emergent herbicide shall be applied to all planting beds after final grading and planting. Apply herbicide granules to the soil surface at the rates and according to the directions recommended by the manufacturer. Obey all precautions of the manufacturer. See the drawings for the specific herbicide to be used.



SEE ALGO: SPECIFICATION BOOK **SPECIFICATIONS** 

- OF 4

JOB CODE: CHAMPIONS -L DRAWN BY: DATE: 8-1-91 **REVISIONS:**