

620.54 Yard]	Stabilization/Reinforcement Geotextile	square meter [Square
620.55 Yard]	Stabilization/Reinforcement Geotextile (sewn seams)	square meter [Square
620.56 Yard]	Drainage Geotextile	square meter [Square
620.57 Yard]	Drainage Geotextile (sewn seams)	square meter [Square
620.58 Yard]	Non-woven Geotextile	square meter [Square
620.59 Yard]	Non-woven Geotextile (sewn seams)	square meter [Square
620.60 Yard]	Separation Geotextile	square meter [Square
620.61 Yard]	Separation Geotextile (sewn seams)	square meter [Square

## SECTION 621 - LANDSCAPING

621.0001 Description This work shall consist of the Contractor furnishing and planting trees, shrubs, vines, and other plants and shall include all planting operations and material as well as the care and replacement of the plants during the establishment period, all in accordance with the specifications, planting plans and schedules and the directions of the Resident. Planting operations will be divided into two classes.

a. Class A Planting will consist of planting into the existing soil that has been amended with organic humus.

b. Class B Planting will consists of planting into the existing soil without amendments.

Unless otherwise specified, all planting shall be Class A.

621.0002 Materials - General All non-planting material shall conform to the requirements specified in the following Sections of Division 700 - Materials.

Fertilizer	717.01
Mulch	717.04
Organic Humus	717.09

Water shall be free from oil, acids, alkalines, salts, or any other substances harmful to plantings.

### 621.0003 Plant Material-All Classes

a. All plants shall conform to the current edition of the "USA Standard for Nursery Stock" sponsored by the American Association of Nurserymen (AAN), unless otherwise indicated in the plans or specifications.

b. All plants shall be first class representatives of their normal species or varieties, unless otherwise specified. All plants must have a good, healthy, well-formed upper growth and a large, fibrous, compact root system. Plants sheared into stiff or formal shapes will be rejected unless they have outgrown such shearing.

Large-growing, deciduous trees shall have straight trunks and a single leader or as may be characteristic of the species. Tops shall be thickly branched, densely foliated, well balanced and in good proportion to the height of the tree. Trees with weak trunks, thinly or irregularly branched or with unnatural shape of proportions due to undesirable pruning or for any other cause will be rejected. Trees with leaders or branches too severely cut back or with bottom limbs trimmed too high will be rejected.

Small-growing deciduous trees shall be thickly branched with a well-balanced, natural shape. Plants which are poorly furnished or have grown or been pruned into unnatural shapes will be rejected.

Tree "Clumps" shall have three or more main stems starting from the ground.

"Bush-form" trees shall be those with branches, which start from the main trunk close to the ground.

c. All plants shall have been grown under climatic conditions similar to those in the locality of the site of the project under construction or have been acclimated to

such conditions for at least two years. All plants must have been grown in a latitude north of Washington, D.C. The Resident may require a sworn affidavit from the contractor stating the source where all plants were grown. Payment for plants may be withheld until this affidavit is received.

All plants shall be nursery grown unless otherwise stipulated. No plant will be considered nursery grown unless it has been transplanted at least once and has been growing in a nursery for at least 2 years. Where collected stock is allowed, all plants in addition to meeting all other requirements for nursery-grown stock, shall have a diameter of ball or root spread at least one-third greater than that required for nursery stock. Plants showing signs of lack of root pruning, cultivation or other proper nursery care will be classified as collected stock regardless of their source.

d. All plants must be healthy and vigorous; free from disease, injurious insects and their eggs or larva, mechanical wounds, broken branches, decay, or any other defects.

e. All plants shall be true to name. Each bundle or each plant when not tied in bundles, shall be labeled legibly and securely. The current edition of "Standardized Plant Names" prepared by the Editorial Committee of the American Joint Committee on Horticultural Nomenclature shall be the authority for all plant names.

Care shall be taken throughout the operation to keep each plant species or variety segregated and labeled. The Resident will reject any plants concerning any doubt or confusion arising about nomenclature, either at the time of delivery or at any subsequent time.

f. The Contractor shall take all precautions that are customary in good trade practice to insure upon arrival at the planting site the plants are in good condition for successful growth. All plants must show appearance of normal health and vigor. Plants with loose or broken balls; dried out roots, twigs or needles; or plants which have become overheated in transit or are found not to comply with these specifications in any way will be rejected. The Resident will not assume responsibility for such rejected material.

The Resident reserves the right to plainly mark all rejected plants with paint or by other means to ensure that they are not used on the job. Rejected plants may not be

used on the project, will not be paid for, and must be replaced by the contractor with approved plants. If plants with communicable diseases are not removed or destroyed immediately, upon discovery of the disease, all plants that were left in contact will also be rejected.

#### 621.0004 Plant Size and Root Balls

Class A Plants The plant sizes specified in the "USA Standard for Nursery Stock" are the minimum sizes acceptable. Plants, which meet the sizes specified but do not have a normal shape and balance between height and spread, will be rejected. Thin, poorly branched, or sparsely rooted plants will be rejected, regardless of whether they meet the minimum technical requirements of the USA Standard.

Where bare roots are irregular, the size of the root spread will be the average root spread considering all sides of the plant and not the maximum root spread. The Resident may allow moderate deviations from exact sizes of plants that normally have irregular root systems.

Coarse-rooted plants, which lack sufficient fibrous feeding roots, will be rejected.

Recently cut stubs of large roots on either balled or bare root stock will be considered evidence of lack of proper nursery care and root-pruning and will be sufficient grounds for rejecting such plants or classifying them as collected stock. Acceptable roots will retain sufficient fibrous feeding roots.

Where a size range with a maximum and minimum is given, an average size is required. At least 40 percent of the plants in a size range shall be at or above the average for this size range.

A solid ball is referred to as one encompassing the roots of a plant. A solid ball shall consist of the soil in which the plant was originally grown. The ball shall have been dug up in such a manner as not to disturb the roots. Where such a ball is required the designation B and B, Balled and Burlapped, will be used. No B and B stock will be accepted if this solid soil ball has disintegrated or if loose soil apparently has been packed around the roots.

Peat Balls and other fiber material will not be acceptable where B and B stock is

called for, but said root balls may be furnished where bare root stock is called for if approved by the Resident.

Caliper of trees shall be the diameter of the trunk taken 150 mm [6 in] above the root collar.

Class B Plants Unless otherwise specified, plants used in Class B plantings shall be seedlings, plugs or lining out stock with heavy, fibrous, compact root systems. The comparative size of the plants shall be as stated under the heading "Seedling Trees and Shrubs" in the "USA Standard for Nursery Stock". All conifers must have dormant buds and secondary needles. Where B and B plants are designated, ball sizes shall be the same as Class A plants.

621.0006 Inspection A preliminary check of the plants may be made at the time of delivery for condition of the plants and conformity to the specifications. The Contractor shall inform the Resident at least 48 hours in advance, as to what plants are to be planted and in what location. Inspection will continue throughout the life of the contract up to the time of Final Acceptance. Plants which are not true to name, do not conform to the specifications, show evidence of improper handling or lack of proper care or which appear to be in a seriously unhealthy condition must be removed by the Contractor at once and replaced by acceptable plants as soon as the planting season allows. Any unacceptable plants when pointed out to the Contractor by the Resident shall be removed at once. If this occurs during the planting season, these plants shall be replaced at once; if between planting seasons, they shall be replaced at the next subsequent planting season, unless conditionally directed by the Resident for evergreens and other preferred spring planted items. Unsatisfactory work will not be paid for during the establishment period.

621.0017 General Construction Requirements Planting operations shall be performed in accordance with the plans and specifications and as directed by the Resident.

621.0018 Layout The location of plants as shown on the plans shall be considered approximate only. The exact locations will be designated on the ground by the Resident, making such changes as may be required to adjust the planting to local conditions. Plant quantities may, in some cases, be increased or decreased as provided in Section 109.1 - Changes in Quantities. Locations for trees and shrubs shall be staked out on the ground by the Contractor as directed by the Resident at least 48 hours before herbicides are

applied and any plant pits or beds are dug. Equipment, labor and approved labeled stakes for this purpose are to be furnished by the Contractor.

The Contractor shall furnish the stakes for use in marking plant locations. Stakes shall be wire survey flags at least 375 mm [15 in] tall. Layout stake samples shall be approved by the Resident before the Contractor commences any work on the project.

The Contractor will be required to mark the stakes legibly with indelible marking material and will also be required to furnish personnel, capable of locating plants from plans, to carry out the staking under the direction of the Resident.

Before actively starting work on the project, the Contractor shall provide the Resident with a planting sequence schedule to be used in establishing priorities in staking plant locations. The Contractor shall give the Resident at least four days advance notice of any deviations from this schedule. The Resident will not be responsible for any delay or inconvenience caused by unfinished staking resulting from the Contractor's failure to follow the above procedure.

All stakes used to locate plants shall be replaced in the correct plant pits after each operation and shall remain there until the Resident directs their removal. When plants are set out in wrong locations due to stakes being misplaced during digging and planting operations, the Contractor shall be required to move the misplaced plants to the proper location at their own risk and expense.

### 621.0019 Plant Pits and Beds

**a. Plant Beds** Areas designated as plant beds must have the entire surface cultivated, cleared of weeds and be completely covered with mulch. Actual mulch limit will extend 750 mm [2½ ft] out from the center of plant or to the pavement edge, bridge wall, and roadside face of guardrail. Cultivation must include complete removal of all weed and grass roots, loose stones over 75 mm [3 in] maximum diameter and any other debris. Approved herbicides are permitted for weed control in place of sod removal.

**b. Rock Excavation** When ledge or boulders over 0.25 m<sup>3</sup> [¼ yd<sup>3</sup>] in size are encountered in digging plant pits, the Contractor shall notify the Resident who will change the location of the plants. No excavation of ledge or boulders over 0.25 m<sup>3</sup>

[ $\frac{1}{4}$ yd<sup>3</sup>] in volume will be required and no extra payment will be made for rock excavation or for shifting of plant holes due to rock.

c. Class A Planting Size of plant pits shall bear the following relationship to the spread of roots or root ball diameter of the plants to be planted in them:

For root spreads or ball diameters up to 600 mm [2 ft], pit diameters shall be  $1\frac{1}{2}$  times the root spread. For root spreads or ball diameters over 600 mm [2 ft] and less than and including 1200 mm [4 ft], pit diameters shall be 600 mm [2 ft] greater. For root spreads or ball diameters over 1200 mm [4 ft], the pit diameter shall be 900 mm [3 ft] greater.

The plant pit shall be deep enough so that when installed the top of the root ball is even with to 12 mm [ $\frac{1}{2}$  in] higher than the existing ground. In all cases, the depth shall be sufficient to contain all the roots of the plant without crowding.

In certain areas of poor drainage or heavy soil, the Resident may require raising the plant elevation. Where shown on the plans or directed by the Resident such pits may also require drains. When such drains are required, they shall be included as a part of the cost of the plant.

Excavated soil mixed with organic humus shall be used as backfill around the roots. Stones larger than 75 mm [3 in] in maximum diameter, large roots, roots or rhizomes of weeds or other injurious materials shall be removed and not used as backfill. Any additional material needed to fill plant pits to the level of the surrounding ground shall be loam (Section 615) furnished by the Contractor at their own expense.

d. Class B Planting Class B plants will be planted in the existing soil. Plant holes must be deep enough to allow room, for the full depth of the root without doubling or folding and wide enough to allow room for its normal spread. Plants must be set straight and at the same depth at which they were previously growing. Soil must be firmly compacted about the roots leaving no air pockets.

621.0020 Planting Seasons Seasons for planting, unless otherwise directed, shall be within the following dates:

31 <sup>st</sup>	Bare Root Plants except Evergreen Seedlings	Spring	April 1 <sup>st</sup> to May
15 <sup>th</sup>		Fall	Sept. 15 <sup>th</sup> to Nov.
	Evergreen Seedlings only		April 1 <sup>st</sup> to May 15 <sup>th</sup>
15 <sup>th</sup>	Potted & Container Grown Plants	Spring Fall	April 1 <sup>st</sup> to July 15 <sup>th</sup> August 15 <sup>th</sup> to Nov.
15 <sup>th</sup>	Balled & Burlapped Plants	Spring Fall	April 1 <sup>st</sup> to June 15 <sup>th</sup> August 15 <sup>th</sup> to Oct.

Plants will not be planted in frozen soil, soil that is excessively wet, or excessively dry.

Preparations for planting may begin earlier than the specified season and planting work may continue beyond the specified time limits if approved by the Resident. However, the Resident may require that all plants planted out-of-season shall receive special attention as directed. Any out-of-season planting shall be at the Contractor's risk and expense.

621.0023 Setting Plants The plants shall be set plumb and straight in the prepared pits and beds and at a level such as will result, after settlement, in the top of the root ball being level with to 12 mm [ $\frac{1}{2}$  inch] above the surrounding ground surface.

621.0024 Backfill Class A For all Class A plants backfill shall consist of 3 parts of soil excavated from the plant pit thoroughly mixed with one part of organic humus. Sods or clods may not be used as backfill. The backfill material shall be placed and compacted in the bottom of the planting pit and shall be worked around the roots and thoroughly compacted as the backfilling proceeds, leaving no air pockets. The backfill shall be filled in around the root ball to half the depth of the ball, and the remaining wire basket shall be removed and the remaining burlap around the ball shall be loosened and spread out away

from the plant or if it is too bulky, cut away and removed. The backfilling shall then be completed, watered and tamped firm. Plastic film wraps shall be completely removed during planting. Nursery containers shall be completely removed before planting. The roots of bareroot plant materials shall be placed in their natural arrangement with the backfilling carefully performed to prevent damage to the plant's root system. Broken or bruised roots shall be pruned immediately, making a clean cut. Shallow basins or saucers of earth will be required to be placed around each plant. However, when drainage conditions are poor, as in heavy clay soil, the Resident may require that such saucers be omitted or used only temporarily. All plants shall be thoroughly watered and liquid fed the day they are planted and as often thereafter as necessary for the plants to become safely established. If watering during the establishment period is unsatisfactory, no payment will be made.

### 621.0025 Fertilizing

a. Water Soluble Fertilizer The Contractor shall liquid feed the plants as the first watering, unless otherwise directed by the Resident. All seedlings will be liquid fed during planting.

Liquid fertilizer shall be completely dissolved and mixed in water at the rate of 3 kg [6 lb] of the fertilizer concentrate to 400 L [100 gal] of water.

The resulting solution shall be poured around the plant in the plant saucer. The solution shall be applied at the following rates for each application:

Class C evergreen plants - 0.5 L [1 pint] per plant.

Class C deciduous plants - 2 L [2 qt] per plant.

Class A and B plants-plants up to 600 mm [2 ft] in height shall receive 3.4 L [4 qt].

Plants above 600 mm [2 ft] and up to 1800 mm [6 ft] shall receive 6 L [6 qt].

Plants above 1800 mm [6 ft] and up to 3600 mm [12 ft] shall receive 11 L [12 qt]. Plants above 1800 mm [12 ft] shall receive 15 L [16 qt].

b. Slow Release Fertilizer Tablets All woody plants except evergreen seedlings shall be fertilized with slow release fertilizer tablets at the time of planting, unless otherwise directed by the Resident. Fertilizer tablets shall be placed equidistantly within the planting pit adjacent to the ball or root mass, but not in direct contact with

roots. Placement depth shall be 150 to 200 mm [6 to 8 in] below ground level. .

The application rates shall be as follows:

<u>Types of Plants</u>	<u>No. of Tablets</u>
<b>Evergreen Trees</b>	
Under 450 mm [18 in] height	1 tablet
450 mm to 900 mm [18 in to 3 ft] height	2 tablets
900 mm to 1800 mm [3 ft to 6 ft] height	3 tablets
Over 1800 mm [6 ft] height	4 tablets
<b>Deciduous Trees</b>	
Under 1800 mm [6 ft] height	2 tablets
1800 mm to 3600 mm [6 ft to 12 ft] height or under 100 mm [4 in ]caliper	3 tablets
Over 100 mm [4 in] caliper	4 tablets
<b>Shrubs</b>	
Under 600 mm [2 ft] height or spread	1 tablet
600 mm to 900 mm [2 ft to 3 ft] height or spread	2 tablets
Over 900 mm [3 ft] height or spread	3 tablets
<b>Vines and Ground Covers</b>	1 tablet

621.0026 Mulching The disturbed surface area of plant beds and pits shall be evenly and uniformly covered to a depth 100 mm [4 in] with bark mulch or as directed by the Resident.

Mulching will not be required on Class B evergreens, unless otherwise stated herein.

Measurement of the depth of mulch will be made after one heavy rain or after a three-week period without heavy rain.

All plant pits and beds must be entirely free of weed or grass growth and free of live roots of all weeds and grasses at the time mulch is applied.

When plant beds are installed near guardrails or as stated in Section 621.0019(a) the space between the plants and the guardrail or the nearest pavement when it extends behind the guardrail, shall be treated as a part of the plant bed and shall be weeded and mulched.

Plants shall not be damaged when the mulch is applied. Smothered or otherwise damaged plants must be replaced. Mulch, in place, will not be permitted to be directly in contact with the base of plant trunks or stems in excess of 50 mm [2 in] of thickness. Plants shall be mulched at the time of installation.

621.0027 Cultivation All plant pits and beds shall be kept free of weeds and grass by the Contractor from the time the plants are planted until final acceptance. This shall be accomplished by manual weeding, cultivation, or use of approved herbicides. Application of herbicides to control weeds or grass shall be performed only by a Maine licensed pesticide applicator with an appropriate category as determined by the Board of Pesticide Control. There will be no payment for unsatisfactory work.

621.0030 Pruning Pruning shall be done to each plant individually in such a manner as to preserve the natural character of the plant and shall be done only after delivery and inspection. All pruning shall be done with sharp tools by experienced persons in accordance with the best horticultural practice. Plants pruned in such a manner as to seriously impair the appearance or character of the plant will be rejected. Bench pruning with knives or axes will not be permitted. Broken or badly bruised branches, soft wood, and sucker growth shall be removed with clean cuts.

Excessive pruning shall not be accepted as a means of disposing of dead wood or unhealthy plants. Plants in such poor condition that they can only be revived by pruning of more than 1/3 or more of the growth will be considered unsatisfactory and will be rejected. At the time of final acceptance, all plants must be at least the size called for in the specification.

621.0031 Potted and Container Grown Plants Plants Supplied in Containers must have been established in containers at least one full growing season before planting and shall have a well rooted condition evidenced by the firmness of the mass of soil and roots. The outside of the ball of soil shall be well matted with healthy working roots, but shall not be pot bound. Plants shall be adequately hardened off before planting.

Containers shall be of such shape as to permit easy removal of the plant.

No plant will be accepted if the container ball is cracked or broken upon removal from the container.

621.0033 Protection From Rodents It will be the responsibility of the Contractor to take necessary steps to protect all plants from rodents during the life of the contract. Protection from rodents will be included in the cost of the individual plants and the Contractor will receive no extra compensation for this work. No payment will be made for unsatisfactory work during the establishment period or planting season.

621.0034 Cleanup and Repair All excess excavated material and debris resulting from the planting operation shall be promptly disposed of outside of and out of sight of the project, unless otherwise directed by the Resident. Any areas disturbed by the Contractor showing bare earth, that do not require mulching, shall be seeded with approved grass seed, fertilized and mulched, as directed by the Resident.

The Contractor shall be responsible for any damage caused by their operations and shall restore the disturbed areas to their original condition. Cost of cleanup and repair shall be incidental to the work.

621.0035 Prosecution and Progress It is essential that each portion of the planting work in any area be promptly followed by cleanup of subsoil and debris, fertilization, watering, cultivation, pruning, mulching, spraying as needed, repair and restoration of damage caused by the Contractor, etc. The Contractor shall provide sufficient labor and supervisory personnel to carry out this work without undue delay. Any delay in carrying out this phase of the work which, results either in danger to the health or growth of the plants or a poor appearance of the project from the point of view of the public will be considered due cause for withholding all or part of any payment due the Contractor for plants delivered and planted or for any other work done.

Partial payments on the contract do not constitute approval or acceptance of any specific plants or work operations. The right is reserved to reject any plants or work, which are discovered to be unsatisfactory at any time before Final Acceptance.

621.0036 Establishment Period During the months of March through November, the Contractor shall make monthly visits to the site. The Contractor shall supply the

Department with an approved written report monthly, detailing the activities performed and the condition of the plant material during the visit.

The acceptability of the plant material furnished and planted under this contract shall be at the end of a period of establishment, during which the Contractor, as necessary, shall employ all possible means to preserve the plants in a healthy and vigorously growing condition and to insure their successful establishment. During this period, the Contractor shall water, cultivate and prune the plants, and do any other work necessary to maintain the plants in a healthy growing condition. This shall include seasonal spraying with approved insecticides or fungicides as may be required. The Contractor shall also be responsible for protecting the plants from rodents. All dead or rejected plants shall be promptly removed from the project and replaced by live healthy plants meeting the same specifications. If such plants are declared unacceptable during the planting season, they shall be replaced during this planting season, otherwise, they shall be replaced during the next subsequent planting season. No payment shall be made for unsatisfactory work during the establishment period.

Such replacement plants are subject to the same requirements as the original plants and must be replaced in turn if they fail to meet the required standards. Plants designated for spring planting only, will be replaced only during the spring planting season unless otherwise directed by the Resident.

The period of establishment shall commence at the initial acceptance of each planting and shall extend for two years after that date unless otherwise directed. Necessary replacements shall be made so that at the time of Final Acceptance all plants shall be in a healthy, vigorous growing condition and free from sizable die-back.

Replacements will be required for plants lost, damaged, or rejected, whatever the cause. The Contractor will be considered responsible for the plants until the time of Final Acceptance.

It shall be the sole responsibility of the Contractor to replace any unsatisfactory plants on the project regardless of whether they are specifically designated by the Resident. In the case of individual doubtful plants, the Contractor may call upon the Resident to make a determination as to their acceptability, but it shall not be incumbent on the Resident to furnish the Contractor with exact lists of replacements.

All replacements of plants shall be completed by the end of the planting season before the Final Acceptance date. Any small quantity of plants, which fail between the end of the planting season and the Final Acceptance date, shall be canceled from the list of accepted plants and the Contractor will receive no payment for them. If a sizable number fails the Resident may extend the date of Final Acceptance to the subsequent planting season, in which case, the Contractor will be subject to liquidated damages. All replacement planting shall conform in every way to the requirements of the original planting. The Resident may require that any replacement plants that are not dormant, or that are planted late in the season, be sprayed, as directed with an approved anti-desiccant.

621.0037 Method of Measurement The quantity of plants to be measured for payment will be the number of individual plants furnished and planted as required and accepted, excluding replacements.

621.0038 Basis of Payment Each item of "Planting" will be paid for at the contract unit price for each accepted plant furnished and planted. Payment shall constitute full compensation for; furnishing and placing plants, digging, delivering, rodent protection, preparing plant pits, beds and drains; planting, watering, fertilizing, mulching, pruning, and the cleanup of planting areas; for all, fertilizer, mulch and other necessary materials; all labor, equipment, tools and any other incidentals necessary to complete the work.

When a bid item calls for a "Group" of trees, shrubs, vines or other plants, the Contractor shall furnish each individual species within this "Group" for the same unit bid price.

The name and estimated number of individual species within each "Group" will be shown on the estimated quantities sheet of the plans.

The establishment item will be paid on a lump sum basis.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
621.... Name plant or plant group as detailed in Schedule of Items in Proposal Book	Each

621.80

Establishment Period

Lump

Sum

## SECTION 622 - TRANSPLANTING SHRUBS, HEDGES, AND TREES

622.01 Description This work shall consist of digging, moving and replanting existing shrubs, hedges, and trees in accordance with these specifications and in conformity with the plans or as directed.

622.02 Loam Loam shall conform to the requirements of Section 615.02. Fertilizer shall meet the requirements specified in Section 717.01.

### 622.03 Shrubs and Hedges

a. Digging The earth of shrubs and hedges to be moved shall be carefully encompassing the roots as is customary in good nursery practice. Minimum size of the rootball shall be as indicated in the current edition of the "American Standard for Nursery Stock" sponsored by the AAN.

b. Moving The earth rootball shall be maintained as a solid unit during the moving of the shrubs and hedges and must be protected from breaking or cracking by careful handling. The rootball shall be tightly wrapped with burlap or similar material. Earth rootballs greater than 450 mm [18 in] in diameter shall be tightly bound with cord or rope placed over the burlap unless the shrubs or hedges are to be replanted immediately after digging.

c. Planting The plants shall be planted in the designated new location at the same depth below ground surface as before they were moved. Loam shall be placed to a thickness of not less than 200 mm [8 in] under and around the rootball to eliminate all air pockets and to support the plant. Insofar as feasible, when hedges are to be transplanted, the individual plants shall be replanted in the same relationship to each other that existed before they were moved.

Fertilizer shall be mixed evenly into the backfill soil at the rate of 0.4 kg/m [ $\frac{1}{4}$  lb/ft] of height for each plant. Water soluble fertilizer and slow release fertilizer packets shall be applied at the following rates.