

**CITY OF EVANS  
LAWN AND GRASS SPECIFICATIONS**

SECTION 02930 – LAWN AND GRASS SPECIFICATIONS

PART 1 - GENERAL

1.0 GENERAL CONDITIONS

The Contractor shall be responsible for confirming and correlating actual job site conditions and dimensions, for acquiring information that pertains solely to the fabrication process or to techniques of construction, and for coordinating the work with all other trades. The Contractor is encouraged to inspect the site. Contractors with a Certified Landscape Technician are preferred. Any application of Herbicides must be done by appropriately licensed applicators.

- A. The City of Evans retains the right to reject any and all bids, and to re-solicit if deemed to be in the best interest of the City of Evans.
- B. The City of Evans may, or may not, authorize Seeding/Sodding/etc., based on review and budget considerations.
- C. At any location where it is necessary to cross over a sidewalk, curb, or any other concrete or asphalt area, every effort shall be made to protect said concrete or asphalt from damage. In the event that any concrete or asphalt does become damaged it is the responsibility of the Contractor to repair or replace the damage.
- F. Access to the work area may be limited. All access shall be located by the City of Evans and agreed to by the Contractor.

The Contractor is responsible for any necessary repairs to any and all irrigation components damaged during the Seeding/Sodding/Soil Prep/etc. process.

- A. The Contractor is responsible for supplying all bag/quantity tags to the City of Evans at the completion of the project.
- B. The Contractor shall supply all labor, equipment, and materials.
- C. The Contractor shall be responsible for all utility locates (One Call at Utility Notification Company of Colorado, 1-800-922-1987).

The Contractor is responsible for securing all applicable permits and the payment of all fees. Daily clean up of the construction site is required for safety, courtesy, and aesthetic reasons. This includes access areas into and out of the site.

- B. At the completion of the contract, the Contractor shall clean up all construction materials and debris. Properly dispose of all said material and debris off site, and leave the construction site in a condition approved by the City of Evans.

1.2 INSURANCE REQUIREMENTS

The Contractor shall secure and maintain such insurance policies as will protect himself, his subcontractors, and the City of Evans, from claims for bodily injuries, death or property damage, which may arise from operations under this contract whether such operations be by himself or by any subcontractor or anyone employed by them directly or indirectly. The following insurance policies are required:

- (a) Statutory Workmen's Compensation
- (b) Commercial General Liability
 

General Aggregate	\$1,200,000
Products/ (Completed Operations Aggregate)	\$1,200,000
Each Occurrence	\$600,000
Personal & Advertising Injury	\$600,000
Fire Damage	\$50,000
Medical Expense	\$5,000
- (c) Automobile Liability
 

Bodily Injury and Property Damage/ (Combined Single Limit)	\$600,000
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*The Certificate of Insurance must show the City of Evans as an Additional Insured.*

All policies shall be for not less than the amounts set forth above or as stated in the Special Conditions. Other forms of insurance shall also be provided if called for by the Special Conditions.

Certificates or copies of policy of such insurance shall be filed with the City and shall be subject to its approval as to adequacy of protection, within the requirements of the specifications. Said Certificates of Insurance shall contain a 30 day written notice of cancellation in favor of the City.

1.3 SUBMITTALS

General: Submit each item in this Article according to the Conditions of the Contract and particular specifications for the project.

Product data for the following:  
 Fertilizers  
 Erosion control materials  
 Herbicides

Compost - documentation from a reputable soils lab confirming compost meets or exceeds the parameters listed in Subsection 2 / 2.1 - Compost.

Certification of grass seed from seed vendor for the composition of each grass-seed mixture stating the botanical and common name and percentage by weight of each species and variety and percentage of purity, germination, and weed seed (if any). Include the year of production and date of packaging. Seed packaging and identification tags are to be submitted to the Parks Representative at the completion of seeding.

Certification of each seed mixture for sod, identifying sod source including name and telephone number of supplier.

Material test reports from qualified independent testing agency indicating and interpreting test results relative to compliance of the following materials with requirements indicated:

Analysis of existing topsoils on site as detailed in Subsection 2.3.1 - Soil Preparation.

Seeding schedule indicating anticipated dates for each type of planting to be furnished by Contractor.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Seed: Deliver seed in original sealed, labeled, and undamaged containers.
- B. Sod: Harvest, deliver, store, and handle sod according to the requirements of the American Sod Producers Associations (ASPA) Specifications for Turfgrass Sod Materials and Transplanting/Installing
- C. Storage: All materials shall be furnished in original manufactures shipping bags or containers and remain so until used. All materials shall be stored in manner, which will prevent them from coming into contact with precipitation, surface water, or other contaminating substances.
- D. Damage in transit or storage: All materials, which have become wet, moldy, or otherwise damaged in transit or in storage shall not be used.

#### 1.5 COORDINATION AND SCHEDULING

- A. Planting Season: Sow lawn seed and native grass seed during normal planting seasons for type of seeding work required. Seeding schedule to be provided by owner upon award of contract. Correlate seeding with specified maintenance periods to provide required maintenance from date of Completion and final acceptance of project installation.
- B. Weather Limitations: Proceed with planting only when existing and forecast weather conditions are suitable.

## 1.6 INSPECTION

When work has been completed on each phase of the project (grading, ripping, compost spreading, fertilizing, compost and fertilizer incorporation, final grading, debris removal, seeding/sodding) the Contractor and the Parks Representative shall inspect the site together and determine the total area of work and whether the work is satisfactory and has been completed in accordance with the specifications required.

Deficiencies, if any, shall be noted and a punch list of these deficiencies will be given to the Contractor by the Parks Representative. The Contractor shall immediately correct any deficiencies identified on the punch list.

## 1.7 MAINTENANCE

- A. Contractor to maintain seeded landscaping for a one (1) year maintenance period from the date of final acceptance of the project by the Parks Representative including all watering, mowing, trimming, reseeding, resodding, fertilizing, chemical and physical weed control and removal, and other operations as necessary for a healthy lawn.
- B. Contractor to maintain sodded landscaping for a minimum 30 day maintenance period from the date of final acceptance of the project by the Parks Representative including all watering, mowing, trimming, reseeding, resodding, fertilizing, chemical and physical weed control and removal, and other operations as necessary for a healthy lawn.
- C. Replant bare areas larger than 6" diameter with same materials specified for each seed type within maintenance period.
- D. Regrade, replant, and establish control, with erosion blankets or crimped straw, in eroded areas to produce a uniformly smooth surface.
- E. Refill, regrade, and replant any tire rut areas from maintenance vehicles or mowers to produce a uniformly smooth surface.
- F. Add new mulch in areas where mulch has been disturbed by wind or maintenance operations sufficiently to nullify its purpose. Anchor as required to prevent displacement.
- G. Watering: Contractor shall be responsible for watering of seeded areas if he deems necessary to insure performance under this Section. Apply only the amount of water necessary to maintain seeded areas in a healthy condition until the end of the warranty period. Reduce amount of water accordingly after seed is established. Avoid standing water, surface wash, or erosion from over watering. Trees and shrubs will need additional water for establishment and should be irrigated separately following an approved irrigation schedule.

- H. Mowing: Mow grasses as soon as there is enough top growth to cut with mower set at three inch (3") height for Bluegrass and Fescue species and at a height required to leave a five to six inch (5" - 6") – stubble- for native grass species. Mow native grass species a minimum of three (3) times per growing season during the maintenance period. Repeat mowing of Bluegrass and Fescue species as required to maintain specified height without cutting more than 1/3 the height of the grass leaf growth at any one mowing. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet.
- I. Post fertilization: Apply fertilizer to Bluegrass and Fescue lawns after first mowing and when grass is dry.

Use fertilizer as specified within Subsection 2 / Products .

## PART 2 - PRODUCTS

### 2.1 TOP SOIL

Topsoil: Use existing on-site soils. Amend existing surface soils with soil amendments to produce acceptable topsoil.

### 2.2 HERBICIDES

A. Herbicide: Coordinate EPA registered and approved, of type utilized by the City of Evans Parks and Recreation Department.

### 2.3 FERTILIZER

Commercial Fertilizer: Fertilizer shall be a standard commercial product of uniform composition, free flowing and conforming to applicable State and Federal laws. Deliver in original, unopened containers unless provisions are made and approved by the Parks Representative for bulk deliveries. No Cyanamid compounds are permitted in mixed fertilizers. Submit manufacturers guaranteed analysis, name, trademark, and conformance to State law for all fertilizers. Application rates shall be based on recommendations of the soil analysis from the soils testing laboratory.

### 2.4 MULCHES

Straw mulch: Provide air-dry, clean, mildew and seed free, threshed straw of wheat, rye, oats, or barley. *Hay or cornstalks are not acceptable.*

At least seventy percent (70%) of the mulch shall be ten inches (10") or more in length. Mulch shall not contain any noxious weed, must, cake, or decay.

## 2.5 EROSION CONTROL MATERIALS

General: Erosion control blankets, mats, or other commercial products for stabilizing land disturbed areas may be required in certain areas.

Blankets: Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh on slopes exceeding 1:3. Include manufacturers recommended steel wire staples, six inches (6") in length.

Fiber Mesh: Biodegradable twisted jute or spun-coir mesh, 0.92 lb/ yd<sup>2</sup> (0.5/m<sup>2</sup>) minimum, with 50-60% open area. Include manufacturers recommended steel wire staples, six inches (6") in length.

## 2.6 SOIL AMENDMENTS

All seeding and sodding installations will require soil preparation that includes the addition of compost at a rate of four (4) cubic yards of compost per thousand square feet (1000 ft<sup>2</sup>) over the designated area(s).

The contractor is to supply *A-1 Organic* (Eaton, CO, 970-454-3492) *Premium 3* compost or an approved equal. If the Contractor is supplying an equal, it is the responsibility of the Contractor to prove his product is an equal.

The compost shall be a well decomposed, stable, weed free organic matter source derived from agricultural, food, or industrial residuals; biosolids (treated sewage sludge); yard trimmings, or source-separated or mixed solid waste. The product shall contain no substances toxic to plants and shall be reasonably free (<1% by dry weight) of man-made foreign matter. The compost will possess no objectionable odors and shall resemble the raw material from which it was derived. The products parameters shall be as follows:

pH Range:	5.5 - 8.0
Nutrient Content(dry weight basis):	N 1 % or above P 1 % or above
Organic Matter Content:	50 - 60 %
Bulk Density:	800 -1,000 lbs/yd <sup>2</sup>
Moisture Content:	35 - 55 %
Particle size:	Pass through a one inch (1") screen or smaller
Stability:	Stable to highly stable, providing nutrients for plant

	growth
Maturity / Growth Screening:	Demonstrate ability to enhance plant growth
Soluble Salt Concentration:	4.0 dS (mmhols/cm) or less preferred

Prior to application, *Contractor is responsible for providing a sample and recent (within 90 days) written documentation from a reputable soils lab confirming their compost meets or exceeds the above parameters.*

## 2.7 SOD

Certified turfgrass sod complying with ASPA specifications for machine-cut thickness, size, strength, moisture content, and mowed height, and free of weeds and undesirable native grasses. Provide viable sod of uniform density, color, and texture of the following turfgrass species, strongly rooted, and capable of vigorous growth and development when planted.

Species: Provide sod of grass species and varieties, proportions by weight, and minimum percentages of purity, germination, and maximum percentage of weed seed.

Sod shall be Colorado grown, 100% certified blended Kentucky Bluegrass of 3 to 4 types, or a mixture approved by the City of Evans, complying with applicable Colorado and Federal regulations, having a healthy root system, regularly fertilized, watered, mowed, sprayed, and free from objectionable weeds and/or grasses.

Sod strips shall have from 5/8" minimum to 1" maximum thickness of soil adhering to the root system, cut into strips 18" maximum width by 24" minimum length.

Sod which has dried out, or sod with adhering soil which breaks, tears. Or crumbles away will not be accepted.

Sod cut for more than thirty-six (36) hours will not be accepted. Sod rolls shall be kept moist, protected from sun, heat, and wind, and properly protected in transport.

The sod source shall be made known to and approved by the City Parks Representative - see *Submittals, Section 1.3.D.*

## 2.8 SEED

- A. Grass Seed: Provide seed of grass species and varieties, proportions by weight, and minimum percentages of purity, germination, and maximum percentage of weed seed as indicated on Schedules in this Section.

Proportions and Mixing: All seed shall be mixed by a wholesale seed supplier in the proportions necessary to obtain the application rate specified in PLS units (native grasses only) or lbs/acre for other turf grasses.

Labels: All seed and seed mixes shall be furnished in bags or containers clearly labeled to show the name and address of the supplier, the common and scientific and variety name(s) of the seed(s), the lot number, net weight, percent of weed seed content, and the guaranteed percent of purity and germination.

Certification of Seed Testing: Contractor shall furnish to the Parks Representative a signed statement certifying that the seed furnished is from the lot that has been tested.

Seed is not to be used under any circumstances if it is wet, moldy, germinated, older than one year old, or is otherwise damaged in transit or storage.

## 2.9 SEED MIXTURE SCHEDULES

### OPEN SPACE

*Short grass mix.* Seed must be applied with seed driller @ a rate of 11+ lbs. PLS per acre. (If broadcast, approved by the City of Evans only, apply @ a rate of 22+ PLS lbs per acre).

<u>Species</u>	<u>% Mix</u>
Sand dropseed	10
Blue grama	27
Little bluestem	26
Sideoats grama	27
Sand lovegrass	<u>10</u>
	100

*Tall grass mix.* Seed must be applied with seed driller @ a rate of 21+ lbs. PLS per acre. (If broadcast, approved by the City of Evans only, apply @ a rate of 42+ PLS lbs per acre).

<u>Species</u>	<u>% Mix</u>
Prairie sandreed	30



Sand bluestem	30	
Yellow indiagrass		30
Switchgrass		<u>10</u>
		100

Combined mix. Seed must be applied with seed driller @ a rate of 13+ lbs. PLS per acre. *(If broadcast, approved by the City of Evans only, apply @ a rate of 26+ PLS lbs per acre).*

<u>Species</u>		<u>% Mix</u>
Sand dropseed		10
Blue grama		20
Little bluestem		10
Sideoats grama		10
Sand lovegrass		10
Prairie sandreed		10
Sand bluestem	10	
Yellow indiagrass		10
Switchgrass		<u>10</u>
		100

#### DETENTION POND AREAS

Slopes. Seed must be applied with seed driller @ a rate of 11+ lbs. PLS per acre. *(If broadcast, approved by the City of Evans only, apply @ a rate of 22+ lbs PLS per acre).*

<u>Species</u>		<u>% Mix</u>
Blue grama		27
Sideoats grama		27
Little bluestem		26
Sand dropseed		10
Sand lovegrass		<u>10</u>
		100

Bottom areas of Detention Pond. Seed must be applied with seed driller @ a rate of 30+ lbs. PLS per acre. *(If broadcast, approved by the City of Evans only, apply @ a rate of 60+ lbs PLS per acre).*

<u>Species</u>		<u>% Mix</u>
Western wheatgrass		90
Alkaligrass		<u>10</u>
		100

Outlet or low areas of Detention Pond. Seed must be applied with seed driller @ a rate of 8+ lbs. PLS per acre. *(If broadcast, approved by the City of Evans only, apply @ a rate of 16+ lbs PLS per acre).*

<u>Species</u>		<u>% Mix</u>
Reed canarygrass		75
Creeping meadow foxtail		<u>25</u>
		100

#### RIGHT OF WAYS (ROADSIDES)

1. Low grow mix. Seed must be applied with seed driller @ a rate of 22 lbs. PLS per acre. *(If broadcast, approved by the City of Evans only, apply @ a rate of 44+ lbs PLS per acre).*

<u>Species</u>	<u>% Mix</u>
Buffalograss	60
Blue gramma	<u>40</u>
	100

### MULTI-USE PARK MIXTURE - GENERAL TURF

Bluegrass Mixture. Seed must be applied with seed driller ONLY @ a rate of 5 lbs /1000 ft<sup>2</sup>.

<u>Species</u>	<u>% Mix</u>
Kentucky Bluegrass, ( <i>Limousine</i> )	30
Kentucky Bluegrass*, ( <i>Quantum Leap</i> )	30
Kentucky Bluegrass*, ( <i>Rugby II</i> )	30
Perennial Ryegrass, ( <i>Playmate Blend</i> )	<u>10</u>
( <i>Calypso II, Racer, Manhattan III, Start</i> )	100

*\*optional - substitute one of the two varieties with ?Marquis? .*

## PART 3 EXECUTION

### 3.1 EXAMINATION

Examine areas to receive lawns and grass for compliance with requirements and for conditions affecting performance of work of this Section. Do not proceed with installation until unsatisfactory conditions have been corrected. Performance of Work: All work is to be performed by personnel thoroughly familiar with the proper and accepted methods for soil preparation, herbicide applications, fertilizing, seeding, mulching, etc. All work is to be performed under the supervision of the Contractors' Superintendent, who shall be thoroughly familiar with the provisions of these specifications.

### 3.2 PREPARATION

Protect structures, utilities, sidewalks, pavements, and other facilities, trees, shrubs, and plantings from damage caused by planting operations.

Provide erosion control measures to prevent erosion or displacement of soils and discharge of soil bearing water runoff or airborne dust to adjacent properties and walkways.

Apply commercial *Roundup*, or equal, to all areas to be seeded a minimum of 2 weeks after topsoil has been redistributed (if necessary) and prior to application of soil amendments. Apply herbicide only when weeds are growing vigorously and not when rain or precipitation is expected within 24 hours. Apply at manufacturers recommended rate.

### 3.3 SOIL PREPARATION

Topsoil Analysis: Contractor to supply a soil analysis made by a qualified independent soil

testing agency stating percentages of organic matter, actual percentages of inorganic matter (silt, clay, sand), deleterious material, pH, CEC (*cation exchange capacity*), SAR (*sodium absorption rate*), and mineral a plant nutrient content of topsoil in quantities measured in *ppm*. Prior to seeding the Contractor will pay for and submit a soils test report on samples of material to be vegetated within the project area. At least one soils test per project soil type must be submitted.

- A. The laboratory should be informed as to the proposed species to be planted, methods of irrigation, exposure, and elevation. Based on this information the laboratory shall provide written recommendations for soil amendments, fertilizers, and report the suitability of topsoil for lawn seed and native seed growth.
- B. General: All ripping and tilling operations shall be done in a direction which follows the natural contours of the land on slopes of three to one (3:1) or less. Soils on slopes greater than three to one (3:1) will be prepared for planting in a manner specified by the Parks Representative. Any irregularities in the ground surface resulting from soil preparation operations shall be corrected and sloped to drain.

Limit subgrade preparation to areas that will be planted in the immediate future.

Any fill soil added to raise the soil level in any area shall be placed in no greater than six inch (6") lifts and then compacted to eliminate future settling.

Topsoils shall be ripped or tilled to a depth of six inches (6") to break up restrictive layers prior to seeding operations. Soils shall be worked until no clods greater than two inches (2") in diameter remain.

Clear the prepared area of stones, wood, vegetation, roots, rubbish, and all debris that will not pass through the tines of a garden rake (1" or over in diameter). Contractor must coordinate a (clean-up) inspection by Parks Representative.

Contractor shall supply and deliver compost and spread the compost at the site specified. Uniformly and evenly spread three cubic yards of organic compost per thousand square feet (3 CY/1000 SF) over the designated area(s). Do not spread if planting soil or subgrade is frozen.

Disc or till compost material into the soil to a minimum depth of six inches (4").

Rough grade the area with a drag mat to break up any and all clods and to establish a smooth uniform finish texture. Roll and rake, remove ridges, and fill depressions to meet finish grades. Clear the prepared area of stones, wood, roots, rubbish, and all debris that will not pass through the tines of a garden rake (1" or over in diameter) or any other objects that interfere with planting or maintenance operations.

Just prior to seeding, evenly broadcast and work into the soil, five (5) pounds per 1000 square feet (5lbs/1000ft<sup>2</sup>) of 18-46-0 fertilizer. Contractor to submit to Parks Representative manufacturers' analyses and all tags from fertilizer must be submitted at the completion of the application. Fine grade the site to a smooth uniform grade in preparation for seeding.

Moisten prepared lawn areas before planting when soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

Restore prepared areas if eroded or otherwise disturbed after grading and before planting.

Allow for sod thickness in areas to be sodded.

### 3.2 EXECUTION - SOD

Any areas to be sodded or any and all turf grass disturbed during the construction process shall be constructed and/or repaired as indicated in *Section 2*.

All affected areas will have existing sod removed with a sod cutter or other appropriate equipment to provide a uniform edge for sod replacement. All stripped sod shall be removed from the site and properly disposed of.

- A. After any sod removal the area will be ripped to a minimum depth of six inches (6").
- B. Any fill soil added to raise the soil level in any area shall be placed in no greater than six inch (6") lifts and then compacted to eliminate future settling.
- C. Follow all specifications under *Section 3.3 - Soil Preparation*.
- D. After rough grade and clean-up, the area must then be rolled to reduce future settling.
- E. The prepared area(s) will then be fertilized at the rate specified from the topsoil analysis. Contractor must submit manufacturer's tag to verify analysis compliance.
- F. Sodding dates must be submitted and approved by the Parks Representative.
- G. Contractor must notify the Parks Representative 24 hours prior to actual sodding to obtain approval of grade and sod bed prior to sodding. To avoid ponding, no tolerance of variance in sod area grading is permitted. If determined by the Parks Representative that the area must be regraded, Contractor will regrade and/or add fill dirt (top soil) to provide a smooth, even, and uniform transition from the undisturbed to the construction areas. If determined necessary by the Parks Representative, Contractor may need to repeat all prior steps for compost and fertilization of the area.

Lay sod within 24 hours of stripping. Do not lay sod if dormant or if ground is frozen.

Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to sub grade or sod during installation. Tamp and roll lightly to ensure contact with sub grade, eliminate air pockets, and to form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.

Lay sod across angle of slopes exceeding 1:3.

Anchor sod on slopes exceeding 1:6 with wooden pegs or steel staple anchors spaced as recommended by sod supplier but not less than 2 anchors per sod strip to prevent slippage.

Saturate sod with fine water spray within 2 hours of planting. During first week, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2" below the sod.

### 3.3 EXECUTION - SEEDING

- A. Drill seed the site(s) using the specified seed mixes at the specified rates. Contractor shall use a seeder designed for the type of seed to be planted. All seed is to be drilled 0.25" to 0.50" into the soil at the specified rate with a mechanical, power driven seeding drill. Rows shall be spaced not more than seven inches (7") apart. If using a range drill, the Contractor shall drill one-half of the required rate in one compass direction and then drill the remaining one-half of the rate in a direction 90 degrees to the first half.
- B. In areas that may be inaccessible to drill seeding due to space constraints or slope, Contractor shall recommend a best course of action to the Parks representative in one of two methods available:
1. Hydro seeding
    1. Apply seeded slurry with a hydraulic seeder at a rate at two (2) times the specified *lbs/acre*. Apply evenly in two intersecting directions.
    2. Immediately following seeding, immediately apply mulch to a thickness of 1/8". Maintain clear of shrubs and trees.
  2. Hand seeding (*native seed areas only*)

Seed shall be uniformly broadcast at two (2) times the specified *lbs*. of 0.25" to 0.50"
- C. Protect hand seeded slopes exceeding 1:3 against erosion, with biodegradable erosion control blankets installed and stapled according to manufacturer's recommendations. Any area subject to erosion control must be made aware to Parks Representative prior to actual seeding.
- Protect seeded areas with slopes less than 1:3 against erosion by crimping straw mulch immediately after completion of seeding operations. Spread uniformly at a rate not to exceed 2 tons per acre to form a continuous blanket 1-1/2" loose depth over seeded areas. Spread by hand, blower, mechanical spreader, or other suitable equipment.
- D. Seed is not to be used under any circumstances if it is wet, moldy, germinated, older than one year old, or is otherwise damaged in transit or storage.

### 3.4 HERBICIDES

Herbicides and other chemical, when used, shall be applied using well maintained spraying equipment by individuals working for the Contractor who are appropriately licensed by the State or Federal agency having jurisdiction over such applications. It shall be the

responsibility of the Contractor to be knowledgeable of any and all current laws and regulations pertaining to herbicide and other chemical applications, and to advise the Parks Representative immediately if any requests for these applications made by the Parks Representative are inappropriate as they pertain to these laws and regulations.

Herbicides and other chemicals shall not be applied during periods when wind or other physical conditions cause the herbicides to be transported a distance of more than five feet (5') from the immediate area where they are being applied. It shall be the responsibility of the Contractor to notify the Parks Representative immediately if any weather or other physical condition exists, which would make applications inappropriate.

The Contractor and the manufacturers recommendation shall apply all herbicides and other chemical at rates as determined.

### 3.5 PROTECTION

Protect seeded areas from unnecessary pedestrian or vehicular traffic until well established through the use of fencing, barricades, and signage. Provide any additional erosion control measures which are necessary for the successful establishment of grass areas.

END OF SECTION