

Chapter 3.60

DESIGN STANDARDS FOR CONSTRUCTION, DEVELOPMENT AND MAINTENANCE OF PARK LAND

*The Parks and Recreation Department is assigned
responsibility for administration of these design standards.*

Section 1. TOPOGRAPHY CHANGES

No fill or cut will be permitted on City owned park land for the purpose of establishing new elevations for a subdivision development unless approved by the City and paid entirely by the developer. In the event topography changes within a subdivision will cause undue erosion to any adjacent City or park land, the developer, at his expense, shall remedy and cause the erosion to be corrected to the satisfaction of the Director of the Parks and Recreation Department.

Section 2. STORM SEWERS

The City may grant permission for storm sewers to be constructed across adjacent park land, providing a reasonable alternate route does not exist. Storm sewer lines, if placed underground, should be located in a manner that the flow of storm sewer discharge will enter existing channel(s), if any, at 45 degrees (45°) with existing flow or must connect to existing constructed storm sewers. The discharge elevation of storm sewer shall equal the existing flow line elevation. Headwalls, rip-rap and/or bank stabilization may be required at point of intersection for erosion control to existing banks and channel. All design and construction shall conform to the City of Lincoln's Standard Construction Specifications.

Section 3. CONCRETE LOW-FLOW LINERS

Concrete low-flow liners may be required for all other directed drainage across park land into existing open natural drainage ditches traversing park land. Width of liners shall be based on five year run-off intensity and minimum six inch curbing placed on both sides of the liner. Placement of liner shall follow an existing channel unless change in alignment is directed. Side slopes to the liner shall be placed at least 4:1 slope, unless reservation of existing features are so directed. Erosion control measures will then apply.

Section 4. GRADING AND SEEDING

Submit to the Director of Parks and Recreation Department a plan showing erosion control and seeding of graded land. The plan shall be reviewed and approved by the Director of Parks and Recreation Department prior to any grading and seeding. The plan shall include a seeding and maintenance schedule listing:

- a. Type of seed to be used and seeding rate;
- b. Time of seeding;

- c. Type of mulch to be used if seeding is not feasible;
- d. Type of fertilizer and application rate;
- e. Expected maintenance, including frequency of mowing, fertilization, etc.

Section 5. RESEEDING OF DISTURBED AREAS

A. Soil Preparation

1. Limit preparation to areas which will be planted in the immediate future.
2. Loosen sub-grade of areas to be seeded to a minimum depth of 4". Remove stones over 1.5" in any dimension and sticks, roots, rubbish and other extraneous matter.
3. Spread topsoil mixture to the depth required to meet thickness, grades and elevations shown, after light rolling and natural settlements. Do not spread if material is frozen or if subgrade is frozen.
4. Grade to a smooth, even surface with a loose, uniformly fine texture. Roll and rake and remove ridges and fill depressions, as required to meet finish grades. Limit fine grading to areas which can be planted within the immediate future.
5. Restore prepared areas to specified condition if eroded or otherwise disturbed after fine grading and prior to planting.
6. Do not use wet seed or seed which is moldy or otherwise damaged in transit or storage.
7. Sow seed using a spreader or seeding machine. Do not seed when wind velocity exceeds 5 miles per hour. Distribute seed evenly over entire area by sowing equal quantity in two directions at right angles to each other.
8. Sow not less than the quantity of seed specified.
9. Rake seed lightly into top 1/8" of soil, roll lightly and water with a fine spray.
10. Protect seeded slopes against erosion with erosion netting or other methods acceptable to the Parks and Recreation Department.

Section 6. RECONDITIONING DAMAGED AREAS

- A. Recondition existing areas damaged by Contractor's operations including storage or materials or equipment and movement of vehicles.
- B. Remove unsatisfactory areas; do not bury into soil. Remove top soil containing foreign materials resulting from Contractor's operations including oil drippings, stone, gravel and other construction materials.
- C. Water newly planted areas and keep moist until new grass is established.

Section 7. MAINTENANCES

- A. Begin maintenance of newly planted areas immediately after each area is planted and continue for the period specified.
- B. Maintain by watering, fertilizing, weeding, mowing, trimming and other operations such as rolling, regrading, replanting as required to establish a smooth, acceptable lawn, free of eroded or bare areas.
- C. Mow lawns as soon as there is enough top growth to cut with mower set at the specified height for the principal species planted. Repeat mowing as required to maintain specified height. Do not delay mowing until grass blades bend over and become matter. Do not mow when grass is wet. Time initial and subsequent mowings as required to maintain the following grass height:
 - 1. Mow grass at 2.5" to 3" height. Do not mow lower than 2".
 - 2. Apply fertilizer after first mowing and when the grass is dry. Use fertilizer which will provide not less than 1.0 pound of actual nitrogen per 1,000 square feet of lawn area.
- D. Acceptance of Lawn: Seeded lawns will be acceptable provided all requirements, including maintenance, have been complied with, and a healthy, uniform close stand at the specified grass is established free of weeds, bare spots and surface irregularities.