Erosion and Sediment Control Checklist

Applicants are required to submit an Erosion and Sediment Control Plan to Mission Hills City Hall as part of the Land Disturbance Permit Application for tier 3 activity. The Erosion and Sediment Control Plan must include the following:

_____ A sealed topographical survey showing existing and proposed property elevations prepared by a registered surveyor, to include:

1. A clear and definite delineation of any areas of vegetation or trees to be saved.
2. A clear and definite delineation of any wetlands, natural or artificial water storage detention areas, and drainage ditches on the site.
3. A clear and definite delineation of any one hundred (100) year floodplain on or near the site.

_____ A plan for erosion and sediment control, including provisions to preserve topsoil and limit disturbance, to include:

1. Design details for both temporary and permanent erosion control structures utilizing methods outlined in the Best Management Practices (BMP) manual.
2. Details of temporary and permanent stabilization measures including a construction note on the plan stating: "Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within seven (7) calendar days on all perimeter dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1); embankments of ponds, basins, and traps; and within fourteen (14) days on all other disturbed or graded areas. This does not apply to those areas which are shown on the plan and are currently being used for material storage or for those areas on which actual construction activities are currently being performed.

_____ A chronological construction schedule and time frame including, as a minimum, the completion of the following activities:

1. Installation of perimeter erosion control devices.
2. Remaining interior site cleared and grubbed.
3. Parking lot construction.
4. Installation of temporary site stabilization measures.
5. Installation of permanent stabilization and/or landscaping.
6. Final landscaping/sodding.

_____ A signed statement on the plan by the owner, developer, and contractor that any clearing, grading, construction, or development, or all of these, will be done pursuant to the Erosion and Sediment Control Plan.

_____ The City Administrator may require any additional information or data deemed appropriate and/or may impose such conditions thereto as may be deemed necessary to ensure compliance with the provisions of Chapter 5, the BMP manual, or the preservation of public health and safety.

_____ The applicant may propose the use of any erosion and sediment control techniques in a final plan provided such techniques are proven to be as or more effective than the equivalent best management practices as contained in the BMP manual.

_____ Any additional information deemed necessary by the City Administrator for the proper evaluation and regulation of the proposed land disturbance activities, including but not limited to Soils Engineering Reports, Engineering Geology Reports, and Stormwater Drainage Studies, as described below.

Soils Engineering Report: A soils engineering report, when required by the City Administrator, based upon determination that the condition of the soils is unknown or unclear so that additional information is required to protect against erosion or other hazard, shall be based on adequate and necessary test borings, and shall contain all the information listed below. Recommendations included in the report and approved by the City Administrator shall be incorporated in the grading plans and/or specifications.

(a) Data regarding the nature, distribution, strength, and erodibility of existing soils.
(b) If applicable, data regarding the nature, distribution, strength, and erodibility of soil to be placed on the site.
(c) Conclusions and recommendations for grading procedures.
(d) Conclusions and recommended designs for interim soil stabilization devices and measures, and for permanent soil stabilization after construction is completed.
(e) Design criteria for corrective measures when necessary.
(f) Opinions and recommendations covering the stability of the site.

Engineering Geology Report: When deemed necessary by the City Administrator, based upon determination that the condition of the soils is unknown or unclear so that additional information is required to protect against erosion or other hazard, an engineering geology report shall be provided based on the adequate and necessary test borings, giving an adequate description of the geology of the site with conclusions and recommendations regarding the effect of geologic conditions on the proposed development, and giving opinions and recommendations covering the adequacy of sites to be developed by the proposed land disturbance activity. Recommendations included in the report and approved by the City Administrator shall be incorporated in the grading plans and/or specifications.

Stormwater drainage study: When deemed necessary by the City Administrator, based upon determination that the condition of the site and the proposed land disturbance activities could adversely affect the existing stormwater drainage conditions by increasing the quantity of or by redistributing or re-routing the off-site stormwater drainage, thereby contributing to flooding, pooling, erosion and/or sedimentation on adjoining or adjacent properties, a professional engineer-certified stormwater drainage study shall be provided, giving opinions and recommendations covering the adequacy of the site to be developed by the proposed land disturbance activity. Recommendations included in the stormwater drainage study and approved by the City Administrator shall be incorporated in the grading plans, specifications, and conditions of the permit.