

# City of Glendale GESC Plan Review Checklist

## Appendix A: GESC Plan Review Checklist

All applicable construction sites shall include a Grading, Erosion and Sediment Control (GESC) Plan (SWMP). The GESC plan must include, at a minimum, the following information:

### Initial GESC Plan:

<u>Item</u>	<u>Design Engineer</u>	<u>City</u>	<u>Comments</u>
1. Property lines (bold and clearly identifiable)			
2. Existing & proposed ROW and easements			
3. Existing topography (max 2-foot contour interval) extending 100 feet beyond the property line			
4. Structures and natural features, including locations of springs, streams, wetlands and other surface waters			
5. Limits of construction, including:			
a. All areas of work (disturbance)			
b. Access points			
c. Storage and staging areas			
d. Borrow and stockpile areas (on and offsite)			
e. Areas of cut and fill			
f. Utility tie-in locations on- and off-site			
g. Stream corridors and other resource areas to be preserved and all areas outside the limits of construction shall be lightly shaded to show they are not to be disturbed.			
6. Locations of stockpiles: Topsoil; imported aggregates; excess material			
7. Locations of storage and staging areas for:			
a. Equipment, fuel, lubricant, chemicals and supplies			
b. Waste storage: including, but not limited to areas for liquid, concrete, masonry, and asphalt.			
8. Locations of borrow or disposal areas			
9. Locations of temporary/haul roads			
10. Locations of dedicated asphalt or concrete batch plants			
11. Locations, map symbols, and letter callouts of all Initial BMPs			
12. Sizes, dimensions and types of all Initial BMPs			
13. Flow directional arrows			
14. Streets and street names labeled			
15. Other information as required by the City:			
16. Detail Drawings of Temporary BMP's (including installation and maintenance)			

Interim GESC Plan

<u>Item</u>	<u>Design Engineer</u>	<u>City</u>	<u>Comments</u>
1. Initial Erosion Control Plan BMPs to be screened/faded and dimensions removed			
2. Property lines (bold and clearly identifiable)			
3. Existing & proposed ROW and easements			
4. Existing topography (faded)			
5. Proposed topography (2-foot contour intervals – heavy solid lines)			
6. Structures and natural features, including locations of springs, streams, wetlands and other surface waters			
7. Limits of construction, including:			
a. All areas of work			
b. Access points			
c. Storage and staging areas			
d. Borrow and stockpile areas (on and offsite)			
e. Areas of cut and fill			
f. Utility tie-in locations on- and off-site			
g. Stream corridors and other resource areas to be preserved and all areas outside the limits of construction shall be lightly shaded to show they are not to be disturbed.			
8. Locations of stockpiles: Topsoil; imported aggregates; excess material			
9. Locations of storage and staging areas for:			
a. Equipment, fuel, lubricant, chemicals and supplies			
b. Waste storage: including, but not limited to areas for liquid, concrete, masonry, and asphalt.			
10. Locations of temporary/haul roads			
11. Locations of dedicated asphalt or concrete batch plants;			
12. Locations, map symbols, and letter callouts of all Interim BMPs			
13. Sizes, dimensions and types of all Interim BMPs			
14. Location of proposed structures			
15. Flow directional arrows			
16. Streets and street names labeled			
17. Locations of all drainage and water quality features and facilities, paved areas, retaining walls, cribbing and other permanent features			
18. Standard notes:			
a. Reference to legend of BMPs and symbols			
b. Shaded BMPs from Initial stage			
c. See Construction Plans for permanent drainage facilities			
19. Other information as required by the City:			

## Final GESC Plan

<b><u>Item</u></b>	<b><u>Design Engineer</u></b>	<b><u>City</u></b>	<b><u>Comments</u></b>
1. Initial and Interim BMPs to be screened/faded and dimensions removed			
2. Label any Initial and Interim BMPs to be removed and areas stabilized			
3. Property lines (bold and clearly identifiable)			
4. Existing & proposed ROW and easements			
5. Proposed topography (2-foot contour intervals – heavy solid lines)			
6. Structures and natural features			
7. Limits of construction to be stabilized, including:			
a. All areas of work			
b. Access points, temporary/haul roads			
c. Storage and staging areas			
d. Borrow and stockpile areas (on and offsite)			
e. Utility tie-in locations on- and off-site			
f. Stream corridors and other resource areas to be preserved			
8. Locations, map symbols, and letter callouts of all Final BMPs, including landscaping and other measures			
9. Sizes, dimensions and types of all Final BMPs			
10. Location of proposed structures			
11. Locations of all drainage and water quality features and facilities, paved areas, retaining walls, cribbing, planting and other permanent features			
12. Show landscaping or reference landscaping plan			
13. Standard notes:			
a. Reference to legend of BMPs and symbols			
b. See Construction Plans for permanent drainage facilities			
14. Other information as required by the City:			

## Standard Plan Notes and Details

A copy of the Standard Notes and Details shall be bound into each set of GESC Documents. Use the City of Glendale Standard notes and either the SEMSWA GESC Drawing Standard Details or the UDFCD Construction BMPs details. Additional details may be used if approved by the City of Glendale.

## GESC Report

The following information is required to be addressed in the GESC Report:

<b><u>Item</u></b>	<b><u>Design Engineer</u></b>	<b><u>City</u></b>	<b><u>Comment</u></b>
1. Cover sheet and signatures			
2. Narrative addressing the following general project information:			
a. Name, address (include zip code), telephone of applicant, City of Glendale case #, and phone # of person preparing SWMP and GESC Plans, if different than applicant			

<u>Item</u>	<u>Design Engineer</u>	<u>City</u>	<u>Comment</u>
<b>b. Qualified Stormwater Manager and Alternate:</b> Title and name of person(s) who are designated as the site's qualified stormwater manager(s) responsible for implementing the SWMP in its entirety.			
<b>c. Project Description:</b> A brief description of the nature and purpose of the land-disturbing activity, and the project location including township, range, section and quarter-section, or the latitude and longitude, of the approximate center of the project.			
<b>d. Areas and Volumes:</b> the total area of the site, the surface area (in acres) of the proposed disturbance. The area of disturbance involved, an estimate of the quantity (in cubic yards) of excavation and fill involved, and haul road information.			
<b>e. Existing Site Description:</b> A description of the existing topography, vegetation, and drainage; a description of any wetlands on the site; and any other unique features of the property.			
<b>f. Adjacent Areas:</b> A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.			
<b>g. Soils:</b> – A brief description of the soils on the site including information on soil type and names, mapping unit, erodibility, permeability, hydrologic soil group, depth, texture, and soil structure (This information may be obtained from the soil report for the site, from adjacent sites if acceptable to the County, or the applicable Soil Survey prepared by the Natural Resources Conservation Service (NRCS)).			
<b>h. Timing/Phasing schedule:</b> A schedule indicating the anticipated starting and completion time periods of the site grading and/or construction sequence, including the installation and removal of erosion and sediment control BMPs. Indicate the anticipated starting and completion time periods of individual project phases.			
<b>3. Narrative addressing the following Control Measures:</b> A description of the methods that will be used to control erosion, sediment and all other site pollutants. These descriptions should describe how BMPs would address specific site conditions and clarify anything that cannot be clearly shown on Plans. Included should be information on implementation and maintenance.			
<b>a. Erosion Control Measures:</b>			
<b>b. Sediment Control Measures:</b>			
<b>c. Solid Waste (e.g. sediment, gravel, compost, building materials, vehicle tracking, construction spoils, trash)</b>			
<b>d. Liquid Waste (e.g. oil, gas, tar, hydraulic fluid)</b>			
<b>e. Concrete, Masonry and Paint Washout (e.g. truck chute, associated fixtures and equipment)</b>			
<b>f. Sanitary Waste (e.g. worker trash, portable toilets, waste piles and dumpsters, etc.)</b>			

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<b>g. Chemical Waste (e.g. fertilizers, pesticides, detergents, fuels, solvents, oils, etc.)</b>			
<b>h. Contaminated Groundwater Management, if applicable</b>			
<b>i. Permitted Construction Dewatering, if applicable</b>			
<b>j. Calculations:</b> Any calculations made for the design of such items as sediment basins, diversion ditches, and/or erosion control matting selection.			
<b>4. Permanent Stabilization:</b> A brief description, including applicable specifications, of how the site will be stabilized after construction is completed.			
<b>5. Stormwater Management Considerations:</b> Explain how stormwater runoff from and through the site will be handled during construction.			
<b>6. Attach Standard Notes and Details</b>			

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