

City of Santee – Storm Water Note Examples

This document provides Storm Water Pollution Prevention Notes for reference. Copy / Paste applicable notes to the “*Storm Water Notes*” section of your plan sheet. Do modify notes to fit your specific project.

-Notes are categorized alphabetically, by subject-

BMPS:

- Sufficient bmps must be installed to prevent silt, mud, or other construction debris from being tracked into adjacent street(s) or storm water conveyance systems due to construction vehicles or any other construction activity. The contractor shall be responsible for cleaning and such debris that may be in the street at the end of each work day or after a storm event that causes a breach in the installed construction bmps.
- Erosion control bmps used for slope stabilization shall be installed as soon as the finished slopes are complete.
- Appropriate erosion prevention and sediment control measures will be implemented at all times.
- Replenish mulch or other construction BMPs as needed to maintain BMP integrity at all times.
- If debris, or removed materials will be stored for longer than one day, proper BMPs will be implemented.
- If trenching/digging activities are not completed within one day, proper bmps will be implemented.
- Outdoor areas shall be cleaned as needed to keep them free of trash, sediment, litter, and other debris.
- All bmps shall be followed and maintained.
- If at any time erosion and sediment controls are found to be intentionally disabled, run-over, removed, or otherwise rendered ineffective, they shall be modified or replaced immediately.
- Storm water pollution prevention devices and/or practices shall be modified as needed as the project progresses to ensure effectiveness.
- The property owner shall implement best management practices during all phases of construction.

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CONCRETE:

- Slurry from concrete sawcutting shall be vacuumed or recovered by other means for proper disposal. If a curb inlet is near the pavement to be cut, the inlet shall be blocked with sandbags during sawcutting to prevent slurry from entering the storm drain.
- Tarp/mat/drop-cloth will be used to capture concrete drips from the pump unit. No concrete washout onsite. Concrete waste materials will not be disposed of to the ground, but disposed of properly.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.

DUST:

- Contractor shall have water trucks and equipment on-site to minimize airborne dust created from grading and hauling operations or excessive wind conditions. Watering shall be performed on a continuous basis any time these conditions are present and at all other times as directed by the City. Additional dust control measures shall be implemented as needed.

EROSION:

- Appropriate erosion prevention and sediment control measures will be implemented at all times.
- The contractor shall immediately repair any eroded slopes.
- Erosion shall be mitigated by installing landscaping as per approved landscape plans as early as feasible, and as required by the development review conditions. Temporary erosion controls shall conform to the following:

<u>Lbs. Per Acre</u>	<u>Non-Irrigated Hydroseed Mix</u> <u>% Purity Per Acre</u>	<u>Seed Species</u>
20	70% Pls.	Atriplex Glauca
50		Plantage Insularis
8		Encelis Farinosa
6	Scarified	Lotus Scoparius
<u>7</u>	50% Pls.	Exchschoitzia Calif.
91 lbs.		

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GRAVEL BAGS:

- Gravel bag check dams shall be placed in unpaved areas with gradients in excess of 2%, in other graded or excavated areas as required by the City, and at or near every point where concentrated flows leave the development.
- Clean gravel only will be used in gravel bags.
- Gravel bags shall be placed on the upstream side of all drainage inlets to minimize silt buildup in the inlets and pipes

INLET PROTECTION:

- Storm drain inlet protection shall be provided at every storm drain inlet to prevent sediment from entering the storm drain system.

NO:

- No cleaning agents will be used during construction.
- No equipment/vehicle storage or maintenance activities will occur onsite.
- No waste will be stored onsite.
- No materials storage will occur onsite.
- No green waste will be stored onsite.

RAIN:

- During the rainy season from October 1st to April 30th the amount of exposed soil allowed at one time shall not exceed that which can be adequately protected within 48 hours of a predicted rain.
- 125% of all needed bmp materials shall be stored onsite year-round to allow full development and installation within 48 hours of a predicted rain.

ROADWAYS:

- Roadways and entrances to and from the site shall be swept on a regular basis to keep them free of soil accumulation
- Road shall be cleaned appropriately if any contaminants or debris occur.
- Sediments and other materials may not be tracked from the site by vehicular traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental deposits shall be swept up immediately and may not be washed down by rain or other means.

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- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.

RUN-ON/RUN-OFF:

- All disturbed areas shall be protected from storm water run-on and prevent storm water run-off.
- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses or wind.
- Non-Storm water shall not be discharged. All liquids and materials will be captured, contained and properly disposed of.

SEDIMENT:

- Perimeter sediment control BMPs shall be installed immediately after the area to be graded is brushed or cleared, but prior to the start of grading operations.
- Stockpiles of soil, sand, and other material that can be transported by storm water shall be contained within sediment controls or covered with secured tarps.
- Sediments and other materials may not be tracked from the site by vehicular traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental deposits shall be swept up immediately and may not be washed down by rain or other means.
- Effective combination of erosion and sediment control BMPs shall be implemented to protect the exposed portions of the site from erosion and to prevent sediment discharges.
- Sediments and other pollutants shall be retained on site until properly disposed of, and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.

SLOPES:

- The tops of all slopes shall have a dike or trench to prevent water from flowing over the crests of slopes
- Erosion control bmps used for slope stabilization shall be installed as soon as the finished slopes are complete.
- All slopes that are created or disturbed by construction activity must be protected against erosion and sediment transport at all times.

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- Slope planting shall achieve effective soil coverage in accordance with the local grading ordinance prior to finished grade approval. If effective soil coverage is not achieved in the required time frame, then the contractor shall implement the additional erosion control measures noted below. Erosion control measures shall be:
 - A) Erosion control blankets (straw, or fiber) or,
 - B) Composted landscape mulch (2-inch depth min.) and hydromulch + tackifier and/or
 - C) Ground cover planting and fiber rolls in addition to measures above.
- On slopes 3:1 and steeper the following requirements shall be implemented prior to acceptance by the local inspector:
 - A) Fiber rolls shall be installed along face of slopes and toe of slopes in accordance with manufacturers' recommendation and local requirements.
- Inactive slopes shall be protected and stabilized within 10 calendar days of last being worked, or on the direction of the City. Active slopes shall be stabilized during rain.

SPILLS:

- Spills will be cleaned immediately. Dry cleaning methods such as rags, towels, and absorbents will be used if needed.

TOILETS:

All portable toilets shall have a secondary containment and not be located near a storm drain or storm water conveyance system (i.e. street, gutter, sidewalk, etc.).

TRENCHING/DIGGING:

- If trenching/digging activities are not completed within one day, proper bmps will be implemented.

WASHING ACTIVITIES:

- No washing activities shall occur on site. If washing activities are needed, a control nozzle shall be used. Wash water will be contained and disposed of properly.
- During washing activities, only biodegradable soaps and uncontaminated water will be used and directed to onsite landscaping to evaporate without resulting in erosion or runoff.

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WASTE/MATERIAL STORAGE:

- Materials stored outdoors shall be covered, contained, and/or elevated to prevent storm water and non-storm water from contacting and/or transporting materials and pollutants to the MS4.
- All waste bins shall be covered or kept indoors at all-times.
- Stockpiles shall be covered at the end of each working day and prior to predicted rain events. Asphalt shall be stored on a layer of plastic sheeting, or equivalent.
- The storage of all materials used or removed during construction will be covered, to prevent contamination of rainwater and dispersal by wind.
- Stockpiles of earth and other construction-related materials shall be protected from being transported from the site by the forces of wind and water flow.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid wastes.
- Trash and construction solid wastes shall be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
- Fuels, oils, solvents, and other toxic materials shall be stored in accordance with their listing and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system, nor be allowed to settle or infiltrate into soil.