

APPENDIX E

Best Management Practices

| BEST MANAGEMENT PRACTICES FOR MARTIS VALLEY WEST PARCEL SPECIFIC PLAN | | | |
|------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Category | Type of BMP | Description | Typical Placement |
| Planning | Phased construction | Assess specific BMP needs in terms of construction activities and development schedule. | BMP Report |
| | Employee training | Provide BMP training for contractor/employees. | BMP Report |
| Runoff control | Catch basins and drain inlets | All catch basins and drain inlets will be protected with inlet filters, and straw or fiber roll inlet protection, or gravel bags. Catch basin filters will be inspected before and after every rain event. | Permanent/Temporary BMP |
| Erosion control | Project phasing | Grading will be limited to areas that can be completed and stabilized before anticipated storm events. | Construction BMP |
| | Dust control | The principal construction phase deterrent to wind erosion is the spraying of water onto dirt surfaces to adhere soil particles and minimize wind transport loss. | Temporary BMP |
| | Slope terracing and tracking | Terracing, if used in this project, would be used to reduce erosion potential in landslide repair areas by reducing slope lengths. | Applied on slopes >12% |
| | Hydroseeding | Hydroseeding adds nutrients to soil and minimizes raindrop impact, thus reducing erosion potential. | Applied as needed on disturbed and graded areas. |

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| | Erosion control blankets | Material creates a filtering barrier against erosion. | Temporary BMP |
| | Fiber rolls | Fiber rolls would be used to further reduce sediment runoff. Fiber rolls would be inspected before and after every rain event, and every 24 hours during significant rain events, and required maintenance would be provided as needed. | Temporary BMP |
| Sediment control | Brush and rock filters | The use of brush and rock filters slows velocity of runoff so that sediments can settle out. | Permanent BMP |
| | Gravel bag barriers | Gravel bag barriers would be used primarily to filter runoff to drain inlets. | Temporary BMP, mainly used during construction |
| | Silt fences | Physical barrier | Temporary BMP |
| | Temporary sediment traps | Temporary sediment traps are basins used to settle out sediments for low-flow water sources. | Temporary BMP |
| | Sediment retention basins | Sediment retention basins are used to settle out sediments. They can be used for large-volume amounts. | Temporary or Permanent BMP |
| | Construction site entrance stabilization | A stabilized entrance minimizes off-tracking onto roads. | Temporary BMP |

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| | Street sweeping | Paved streets adjacent to the construction would be swept at the end of each day to prevent off- site sedimentation. | Temporary BMP |
| | Stabilized construction roadway | Stabilized construction roadway minimizes dust and off-tracking of sediments. | Temporary BMP |
| | Track-off/ Off tracking | Track off is prevented by a stabilized construction site and enacted BMPs at the entrance/exit of each site. | Temporary BMP |
| Water treatment | Stormwater detention treatment basins | Stormwater detention treatment basins slow and retain stormwater runoff for treatment. | Permanent BMP |
| Drainage protection | Turbidity curtain | This BMP is employed to minimize impacts downstream from equipment during bridge construction. (Refer to BMP report.) | Temporary BMP |
| | Stormdrain outlet protection | Rock riprap would be installed to prevent scour at outfalls. | Permanent BMP |
| | Stormdrain inlet protection (fossil filters) | Filters are installed to filter out sediment and hydrocarbon contaminants. | Permanent BMP |

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| General site and materials | Solid and demolition waste management | Demolition site would be monitored daily for litter and debris, and dumpsters would be inspected for leaks and secure covers. | Temporary BMP |
| | Spill prevention and control | Contain the spread of the spill, clean up using "dry" methods on paved or impermeable surfaces, and in dirt areas, contain the spill by constructing an earthen | Permanent Management BMP |
| | Vehicle and equipment maintenance and fueling | No major maintenance/repair allowed on-site. | Permanent Management BMP |
| | Refuse Collection | Dumpsters and trash receptacles shall be bear and wildlife proof. | Permanent BMP |

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| | | <p>A fueling area will be established in the vehicle storage area, away from any drain inlets.</p> <p>Construction equipment emissions would not exceed Placer County Air Pollution Control District Rules 202 limitations.</p> <p>All materials transported off-site would be either sufficiently watered or securely covered to prevent visible emissions and public nuisance.</p> <p>Paved streets adjacent to the construction would be swept or washed at the end of each day, or as required to remove excess accumulations of silt and/or mud.</p> <p>Drip pans and drip cloths will be used, if necessary, to drain and replace fluids on-site.</p> <p>All on-site vehicle speeds will be limited to a speed of 15 mph on dry unpaved roads.</p> <p>All clearing, grading, and excavation activities would be limited during windy conditions so that no visible emissions or dust leaves the site.</p> <p>Diesel-powered haul trucks would be required to use emulsified diesel fuel.</p> | |

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| | Handling and disposal of concrete and cement | All concrete would be the ready-mixed type, delivered via trucks from the batch plant; no significant on-site mixing would occur. Some small batches of mixing for pavers, signs and similar minor features may occur. A washout area would be designated on the erosion control plan. To the extent possible, washout would occur in an area that would be used as the next day's concrete pour. The agent of the responsible party would monitor on-site concrete washout and disposal procedures at least once a week. | Permanent Management BMP |

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| | <p>Material delivery, handling, storage, and use</p> | <p>All hazardous materials would be labeled and stored according to federal and state regulations.</p> <p>All hazardous materials would be appropriately covered or stored indoors prior to rain events.</p> <p>All subcontractors would be trained in proper material delivery, handling, and storage practices, during the weekly safety meetings.</p> <p>Hazardous chemicals would not be applied outdoors during wet weather.</p> <p>A small, covered stockpile of sand would be stored nearby to be used for emergency spill containment.</p> <p>Proper storage instructions would be posted at all times in an open and conspicuous location.</p> <p>MSDS sheets for all materials would be stored at all times on the construction site, in an easily accessible location.</p> <p>Storage areas would be inspected before and after all rainfall events and at least weekly throughout the job.</p> <p>Storage areas would be kept clean and well organized.</p> | <p>Permanent Management BMP</p> |

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| | Paints and liquid materials | <p>Cleaning of painting equipment and tools would be allowed only in the designated areas.</p> <p>For water-based paints, brushes would be rinsed in a temporary sink connected to the sanitary sewer.</p> <p>For oil-based paints, brushes would be cleaned by use of reusable thinners/solvents.</p> | Permanent Management BMP |
| | Pavement Construction Management | <p>Concrete, asphalt, and seal coat would be applied only in dry weather.</p> <p>Storm drain inlets and manholes would be covered before paving, or applying seal coat.</p> <p>Paving machines would be parked on level ground over absorbent material to accommodate drips.</p> <p>When saw-cuts are made, each catch basin would be covered completely with filter fabric, the slurry would be contained by placing gravel dams around the catch basin, and wet vacuum would be used to remove saw-cut slurry to prevent it from entering storm drains.</p> <p>All broken concrete/asphalt would be hauled off.</p> | Temporary BMP |