

# City of National City

## STANDARD EROSION CONTROL NOTES FOR CONSTRUCTION SITES

All erosion control plans shall include these standard notes, at minimum. Projects may be subject to additional requirements not included in these notes. Please refer to the City's Municipal Code (§15.07.140, §14.22.190) and Storm Water BMP Manual for more information.

1. IN CASE EMERGENCY WORK IS REQUIRED, CONTACT \_\_\_\_\_ at \_\_\_\_\_.
2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT APPROVAL OF THE ENGINEERING INSPECTOR OR CITY STORM WATER COMPLIANCE INSPECTOR. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO THE WORKING ORDER DURING AND AFTER EACH RUN-OFF PRODUCING RAINFALL.
4. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED TO THE SATISFACTION OF THE CITY ENGINEER OR CITY STORM WATER COMPLIANCE INSPECTOR. MAINTENANCE SHALL INCLUDE REMOVAL OF SILT FROM BARRIERS AND SEDIMENTATION DEVICES, SEEDING OR MULCHING OF DAMAGED STABILIZED AREAS AND REPLACEMENT OR REPAIR OF WORN OR DAMAGED GEOTEXTILE FABRIC.
5. ALL EROSION CONTROL DEVICES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE ENGINEERING CONSTRUCTION INSPECTOR OR CITY STORM WATER COMPLIANCE INSPECTOR.
6. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THERE IS A FIFTY PERCENT (50%) CHANCE OF RAIN WITHIN A FORTY-EIGHT (48) HOUR PERIOD. SILT AND DEBRIS SHALL BE REMOVED AFTER EACH RAINFALL.
7. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED IN THE EVENT OF A RAINSTORM. ADDITIONAL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND

COMPLETE INSTALLATION IN FORTY EIGHT (48) HOURS OR LESS OF A FORECASTED RAIN.

8. ALL BARE SLOPES AND DISTURBED AREAS SHALL BE PLANTED AS EACH STAGE OF GRADING IS COMPLETE. SUITABLE MEASURES TO PREVENT SLOPE EROSION, INCLUDING, BUT NOT LIMITED TO, RAPID GROWING VEGETATION SUFFICIENT TO STABILIZE THE SOILS SHOULD BE INSTALLED ON ALL AREAS, AND/OR SUCH AREAS SHOULD BE MULCHED, WHILE THE PERMANENT VEGETATION COVER MATURES ENOUGH TO PROVIDE STABILITY.
9. ANY EXPOSED SOIL, INCLUDING SOIL STOCKPILES, THAT WILL NOT BE DISTURBED FOR TEN (10) DAYS OR MORE SHALL BE FULLY PROTECTED FROM EROSION UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
10. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
11. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AND ALONG THE GUTTER OF PAVED STREET AREAS. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER MATERIAL APPROVED BY THE CITY ENGINEER. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS. CHECK DAMS WILL BE INSTALLED PER THE FOLLOWING:

GRADE OF THE CHANNEL/STREET:

LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

12. PROVIDE GRAVEL BAG, SILT BASIN, OR TRAP OR OTHER APPROVED DEVICE BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. CHECK DAMS SHALL BE INSTALLED IN THE STREET GUTTER UPSTREAM OF CURB INLETS IN ACCORDANCE TO THE SPACING PROVIDED ABOVE, AT MINIMUM.
13. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
14. ALL GRAVEL BAGS SHALL BE BURLAP TYPE WITH 0.5 TO 1 INCH CRUSHED ROCK.
15. CONSTRUCTION DEBRIS AND SEDIMENT ON THE STREET AND GUTTER SHALL BE SWEEPED OR VACUUMED AND DISPOSED OF PROPERLY AT CLOSE OF BUSINESS EACH DAY. FREQUENCY SHALL BE INCREASED IF DEBRIS AND SEDIMENT ARE NOTICEABLE WITHIN THE TRAVELLED WAY.

16. TRASH AND CONSTRUCTION RELATED SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE OR COVERED AND CONTAINED TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. CONSTRUCTION MATERIALS SHALL BE STORED IN STAGING AREAS ON-SITE UNTIL NEEDED FOR INSTALLATION. WASTE WILL EITHER BE PLACED IN DUMPSTERS OR IN WASTE MANAGEMENT AREAS. ALL WASTE SHALL BE TRANSPORTED OFF-SITE IN A TIMELY MANNER TO APPROVED WASTE DISPOSAL AREAS (DUMPS). STORAGE, HANDLING AND TRANSPORTATION OF WASTE SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
18. CONSTRUCTION MATERIAL SHALL BE STORED IN DESIGNATED AREA WITH APPROPRIATE CONTAINMENT MEASURES. WASTE PILES THAT ARE NOT IN USE AND INACTIVE STOCKPILES SHALL BE PROTECTED. THE CONTRACTOR SHALL STORE THE MATERIALS AS TO MINIMIZE THE RISK OF STORM WATER POLLUTION, GROUND WATER POLLUTION, SOIL CONTAMINATION, AND INJURY TO WORKERS AND VISITORS.
19. EQUIPMENT TO BE STORED, FUELED AND MAINTAINED ON SITE SHALL BE KEPT AWAY FROM ANY DRAINAGE COURSES. CONTRACTOR SHALL USE A DRAINAGE PAN OR DROP CLOTH TO CATCH ANY LEAKS OR SPILLS AT A MINIMUM.
20. MATERIAL OR DEBRIS RESULTING FROM CONSTRUCTION ACTIVITIES (I.E. SAW CUTTING, CONCRETE/ASPHALT GRINDING, ETC.) SHALL BE RECLAIMED AND DISPOSED OF APPROPRIATELY.
21. THE TOPS OF ALL SLOPES SHALL BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.