EROSION CONTROL GENERAL NOTES

1. EROSION CONTROL IS REQUIRED FOR GRADING OPERATIONS DURING THE RAINY SEASON FROM OCTOBER 15 TO APRIL 15. THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT SHALL APPROVE THE PLAN PRIOR TO GRADING.
2. IN CASE OF EMERGENCY, CALL

   _____ _____ _____
   (RESPONSIBLE PERSON) (FIRM) (PHONE)
3. THE DESIGN CIVIL ENGINEER WILL SUPERVISE EROSION CONTROL WORK AND INSURE THAT WORK IS COMPLETED IN ACCORDANCE WITH THE APPROVED PLAN.
4. DEVISES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT.
5. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS, SILT FENCES AND DESILTING BASINS, ETC.
6. GRADED AREAS AROUND THE SITE PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
8. DESILTING BASINS, WHERE NECESSARY, SHALL BE CONSTRUCTED AS GRADING OF THE INDIVIDUAL GRADING AREAS ARE COMPLETED PER THE GRADING PLAN.
9. THE INFORMATION CONTAINED IN THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY.
10. TEMPORARY EROSION PROTECTION IS REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.
11. AREAS SHALL BE MAINTAINED IN SUCH A STATE THAT FIRE ACCESS SHALL BE MAINTAINED AT ALL TIMES (INCLUDING FIRE ACCESS TO NEIGHBORING PROPERTIES).
12. NO OBSTRUCTION OR DISTURBENCE OF NATURAL DRAINAGE COURSES, OR EXISTING STORM DRAIN INLETS SHALL OCCUR DURING THE RAINY SEASON UNLESS ADEQUATE TEMPORARY PERMANENT DRAINAGE FACILITIES HAVE BEEN APPROVED AND INSTALLED TO CARRY SURFACE WATER TO THE NEAREST PRACTICAL STREET, STORM DRAIN OR NATURAL WATER COURSE.
13. CONFORMANCE WITH THE REQUIREMENTS OF THIS PLAN SHALL IN NO WAY RELIEVE THE DEVELOPER FROM HIS/HER RESPONSIBILITIES TO THIS SITE AND ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT BE LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC AND PRIVATE PROPERTY AS A RESULT FROM THE CONSTRUCTION OF THIS PROJECT.
14. SLOPES CONSTRUCTED PRIOR TO OCTOBER 1ST SHALL HAVE BEEN TREATED FOR EROSION CONTROL. SLOPES CONSTRUCTED AFTER OCTOBER 1ST SHALL BE TREATED FOR EROSION CONTROL AS THE CONSTRUCTION OF SLOPE PROGRESSES IN INCREMENTS OF 25 FEET OR LESS MEASURED VERTICALLY.
15. FILL AREAS, WHILE BEING BROUGHT UP TO GRADE AND DURING PERIODS OF COMPLETION PRIOR TO FINAL GRADE, SHALL BE PROTECTED BY VARIOUS MEASURES TO ELIMINATE EROSION AND THE SILTATION OF DOWNSTREAM FACILITIES AND ADJACENT AREAS. THESE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO: TEMPORARY DOWN DRAINS, EITHER IN THE FORM OF PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS; GRADED BERMS AROUND AREAS TO ELIMINATE EROSION OF FILL SLOPES BY SURFACE RUNOFF; CONFINED PONDING AREAS TO DESILT RUNOFF; PROTECTION SUCH AS SAND BAGS AROUND INLETS WHICH HAVE NOT BEEN BROUGHT UP TO GRADE; AND EARTH BERMS AND APPROPRIATE GRADING TO DIRECT DRAINAGE AWAY FROM THE EDGE OF THE TOP OF SLOPES SHALL BE CONSTRUCTED AND MAINTAINED ON THOSE FILL AREAS WHERE EARTHWORK OPERATIONS ARE NOT IN PROGRESS.
16. TOP OF CUT BROW DITCHES, WHERE REQUIRED ON THE PLAN, SHALL BE CONSTRUCTED PRIOR TO EXCEEDING TWELVE (12) FEET OF CUT MEASURED VERTICALLY.
17. CLEARING AND GRUBING SHOULD BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES WILL BE REQUIRED TO PROTECT AREAS THAT HAVE BEEN CLEARED AND GRUBBED PRIOR TO GRADING OPERATION, AND THAT ARE SUBJECT TO RUNOFF DURING THE PERIOD OF THE RAINY SEASON. THESE MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO: GRADE DITCHES, BRUSH BARRIERS AND SILT FENCES. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND THE LIMITS OF GRADING.
18.
    (1) ALL GRADED SLOPE AREAS 5 FEET OR MORE IN HEIGHT SHALL BE HYDROSEEDED UNLESS SUFFICIENT NATURAL VEGETATION HAS BEEN ESTABLISHED, AS DETERMINED BY THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT.

    (2) COMPLIANCE WITH THE CAGP: PRIOR TO ISSUANCE OF A GRADING PERMIT, THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT WILL REQUIRE A COPY OF THE NOTICE OF INTENT (NOI) SUBMITTED TO THE STATE WATER RESOURCES BOARD.

    (3) REGULAR CONSTRUCTION SITE INSPECTIONS: THE EROSION CONTROL PLAN WILL REMAIN IN EFFECT DURING THE ENTIRE PROJECT. THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT'S INSPECTORS WILL INSPECT CONSTRUCTION SITES REGULARLY TO ENSURE THAT BMP'S ARE BEING IMPLEMENTED AND THAT THERE ARE NO ILLEGAL DISCHARGES OR ILLICIT CONNECTIONS OCCURRING.
    WITH EACH REGULAR INSPECTION, THE INSPECTOR SHALL COMPLETE A "CONSTRUCTION INSPECTION CHECKLIST". DEPENDING ON THE DURATION OF THE PROJECT AND DEPENDING ON THE STATUS OF COMPLIANCE AT THE SITE, IT MAY BE NECESSARY TO COMPLETE AND SUBMIT MORE THAN ONE CHECKLIST FOR EACH CONSTRUCTION PROJECT. ANY SUSPECTED COMPLIANCE ISSUES WILL BE REFERRED TO THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT, IMMEDIATELY. TO INSURE THAT THE COMPONENTS OF THE SWWP ARE BEING IMPLEMENTED, THE RIVERSIDE COUNTY DEPARTMENT OF FACILITES MANAGEMENT WILL BEGIN THE PROCESS OF DEVELOPING A STANDARD CHECKLIST TO BE USED BY INSPECTOR'S DURING CONSTRUCTION SITE INSPECTION. THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT WILL BE RESPONSIBLE FOR RECORD KEEPING OF ALL CHECKLISTS COMPLETED.
    AS PART OF THE ANNUAL REPORTING REQUIREMENTS, THE RIVERSIDE COUNTY DEPARTMENT OF FACILITIES MANAGEMENT WILL BE REQUIRED TO SUBMITT ONE CHECKLIST FROM EACH PROJECT REQUIRING AN EROSION CONTROL PLAN TO THE STORM WATER POLLUTION COORDINATOR. THE CHECKLIST SHALL BE SUBMITTED NO LATER THAN JUNE 30TH.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE EROSION CONTROL PLANS, THE PROJECT'S STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AND THE RECOMMENDATIONS OF SOILS REPORTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY. IN THE EVENT OF FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE CITY ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PREVENT DISCHARGE OF POLLUTION INTO CITY STORM DRAINS SYSTEMS AND TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY. THE COST SHALL BE CHARGED TO THE CONTRACTOR.
3. ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSECUTION PHASE OF THE PROJECT.
4. ALL REMOVABLE PROTECTION DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
5. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION. NECESSARY PRECAUTION MAY INCLUDE, BUT NOT BE LIMITED TO, APPROPRIATE PERIMETER FENCING OR 24 HOUR GUARD PREVENTING UNAUTHORIZED PERSONS FROM ENTERING THE BASIN.
6. PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH. STREET STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVEED BY SWEEPING OR OTHER MECHANICAL MEANS.
7. GRAVEL BAGS AND NECESSARY MATERIALS IN ACCORDANCE WITH THE APPROVED PLANS, SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT. A STAND-BY CREW SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.

NPDES NOTES

1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
3. FUELS, OILS, SOLVENT, AND OTHER TOXIC MATERIALS MUST 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.
4. 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.
5. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
6. 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 OTHERS MEANS.
7. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
8. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING CONSTRUCTION (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY INSPECTOR):

EROSION CONTROL BMPS

EC-1	SCHEDULING
EC-2	PRESERVATION OF EXISTING VEGETATION
EC-3	HYDRAULIC MULCH
EC-4	HYDROSEEDING
EC-5	SOIL BINDERS
EC-6	STRAW MULCH
EC-7	GEOTEXTILES & MATS
EC-8	WOOD MULCHING
EC-9	EARTH DIKES AND DRAINAGE SWALES
EC-10	VELOCITY DISSIPATION DEVICES
EC-11	SLOPE DRAINS
EC-12	STREAMBANK STABILIZATION
EC-13	POLYACRYLAMIDE

TEMPORARY SEDIMENT CONTROL BMPS

SE-1	SILT FENCE
SE-2	SEDIMENT BASIN
SE-3	SEDIMENT TRAP
SE-4	CHECK DAM
SE-5	FIBER ROLLS
SE-6	GRAVEL BAG BERM
SE-7	STREET SWEEPING AND VACUUMING
SE-8	SANDBAG BARRIER
SE-9	STRAW BALE BARRIER
SE-10	STORM DRAIN INLET PROTECTION

TEMPORARY TRACKING CONTROL BMPS

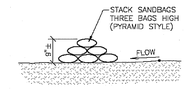
TC-1	STABILIZED CONSTRUCTION ENTRANCE EXIT
TC-2	STABILIZED CONSTRUCTION ROADWAY
TC-3	ENTRANCE/OUTLET TIRE WASH

NON-STORMWATER MANAGEMENT BMPS

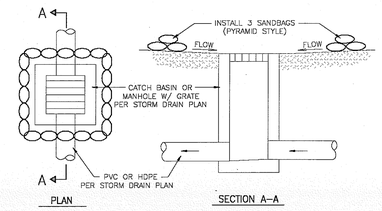
NS-1	WATER CONSERVATION PRACTICES
NS-2	DEWATERING OPERATIONS
NS-3	PAVING AND GRINDING OPERATIONS
NS-4	TEMPORARY STREAM CROSSING
NS-5	CLEAR WATER DIVERSION
NS-6	ILLICIT CONNECTION/DISCHARGE
NS-7	POTABLE WATER/IRRIGATION
NS-8	VEHICLE AND EQUIPMENT CLEANING
NS-9	VEHICLE AND EQUIPMENT FUELING
NS-10	VEHICLE AND EQUIPMENT MAINTENANCE
NS-11	PILE DRIVING OPERATIONS
NS-12	CONCRETE CURING
NS-13	CONCRETE FINISHING
NS-14	MATERIAL AND EQUIPMENT USE
NS-15	DEMOLITION ADJACENT TO WATER
NS-16	TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL BMPS

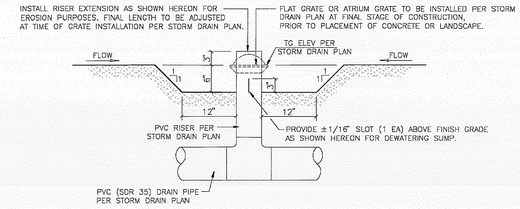
WM-1	MATERIAL DELIVERY AND STORAGE
WM-2	MATERIAL USE
WM-3	STOCKPILE MANAGEMENT
WM-4	SPILL PREVENTION AND CONTROL
WM-5	SOLID WASTE MANAGEMENT
WM-6	HAZARDOUS WASTE MANAGEMENT
WM-7	CONTAMINATION SOIL MANAGEMENT
WM-8	CONCRETE WASTE MANAGEMENT
WM-9	SANITARY/SEPTIC WASTE MANAGEMENT
WM-10	LIQUID WASTE MANAGEMENT



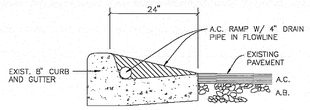
A SANDBAG DETAIL
NO SCALE



B SANDBAG BERM AT CATCH BASIN OR MANHOLE
NO SCALE



C INLET PROTECTION DETAIL
NO SCALE



D A.C. RAMP DETAIL
NO SCALE

EROSION CONTROL CONSTRUCTION NOTES

A — INSTALL SANDBAGS (GRAVEL BAGS OPTIONAL) PER DETAIL HEREON AND BMP SE-8.

B — INSTALL SANDBAG (GRAVEL BAGS OPTIONAL) BERM PER DETAIL HEREON AND BMP SE-8.

C — INSTALL INLET PROTECTION PER DETAIL HEREON AND PER BMP SE-8.

D — INSTALL TEMPORARY ACCESS RAMP PER DETAIL HEREON AT CONSTRUCTION ENTRY FOR SITE ACCESS.

E — STABILIZED CONSTRUCTION ENTRANCE PER BMP TC-1.

F — INSTALL SILT FENCE ALONG TOE OF SLOPE PER CASQA BMP SE-1

NOTES

1. DETAIL NUMBERS ON THIS SHEET RELATE TO THE CONSTRUCTION NOTES HEREON.
2. SEE SHEET C1.0 FOR LEGEND AND ABBREVIATIONS.
3. SEE SHEET C7.1 FOR EROSION CONTROL PLAN.

MIG

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SHEET TITLE
EROSION CONTROL PLAN DETAIL SHEET

100% CONSTRUCTION DOCUMENT

DATE	REVISIONS

STAMP

REGISTERED PROFESSIONAL ENGINEER DAVID LEE BAKER No. 40496 CIVIL STATE OF CALIFORNIA

CHECKED BY	DATE
D.B.	01-07-10
DATE 01-07-10	FILE NAME
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