PLEASE READ AND FILL OUT THIS DOCUMENT APPROPRIATELY. EVEN SMALL PROJECTS MUST DO THEIR PART. $PM_{10}$ DUST (POWDERY DUST OF 10 MICRONS OR SMALLER DIAMETER) HAS BEEN IDENTIFIED AS A POTENTIALLY SERIOUS HEALTH THREAT. THIS FINE DUST CAN LODGE DEEP IN THE LUNGS AND HAS BEEN ASSOCIATED WITH BRONCHITIS AND OTHER RESPIRATORY ILLNESSES. DESERT DUST CAN BE PARTICULARLY UNHEALTHFUL, BEING ASSOCIATED WITH "DESERT LUNG SYNDROME" AND LUNG INFECTIONS CAUSED BY FUNGAL SPORES CARRIED IN DESERT DUST. CHILDREN, THE ELDERLY, AND PERSONS WITH RESPIRATORY CONDITIONS, ARE PARTICULARLY SENSITIVE TO FINE DUST, BUT EVERYONE IS ADVERSELY AFFECTED BY THE RELATIVELY HIGH LEVELS OF $PM_{10}$ THAT OCCUR IN THE COACHELLA VALLEY. LARGER SAND PARTICLES CAN BE TURNED INTO THIS DUST THROUGH THE GRINDING ACTION OF TIRES ON ROADWAYS AND THROUGH REPETITIVE PLOWING AND DISKING OPERATIONS.

## PROJECT DATA (SEE ATTACHED PLAN ALSO)

DATE: ______ PROJECT NAME: ______
STREET ADDRESS / SITE LOCATION: ______

ADJOINING PROPERTY INFO. (FOR SENSITIVITY, TYP. WINDS BLOW N.W. TO S.E.)
EASTERLY ______
SOUTHEASTERLY ______
SOUTHERLY ______
SOUTHWESTERLY ______
WESTERLY ______
NORTHWESTERLY ______
NORTHERLY ______
NORTHEASTERLY ______

CURRENT LAND USAGE: ______
PROPOSED LAND USAGE: ______
LOT: ______ TRACT/PM: ______ LAND USE PERMIT NO.: ______
A.P.N. ______ PARCEL SIZE: ______ ACRES ______ SQ. FT.

## EARTHWORK QUANTITIES ESTIMATE (BALANCED SITE PREFERRED)

TOTAL AREA TO BE DISTURBED ______ ACRES ______ SQ. FT.
STRIPPING & SUBSIDENCE LOSSES (TYP. 0.3' X AREA/27CF./CY.) ______ C.Y.
RAW CUT VOLUME: ______ C.Y. CUT AFTER SHRINKAGE: ______ C.Y.
RAW IMPORT VOLUME: ______ C.Y. IMPORT AFTER SHRINKAGE: ______ C.Y.
COMPACTED FILL VOLUME: ______ C.Y.
RAW EXPORT VOLUME: ______ C.Y. COMPACTED EXPORT VOL.: ______ C.Y.
(SEE HAUL ROUTE DETAIL ON ATTACHED PLAN IF ANY IMPORT OR EXPORT, EXCEPT TRASH.)

## PHASING OF GRADING ACTIVITIES

THE AMOUNT OF ACTIVE DISTURBED AREA MUST BE LIMITED TO WHAT CAN BE EFFECTIVELY WATERED 4 TIMES PER DAY BY EITHER SPRINKLERS OR WATER TRUCKS. TYPICAL 2000 GALLON WATER TRUCKS CAN EFFECTIVELY WATER ABOUT 4 ACRES PER HOUR. THEREFORE AN 8 HR. WORKDAY DIVIDED BY 4 WATERINGS PER DAY TIMES 4 AC./HR. = 8 ACRES PER TRUCK. SINCE WATER TRUCKS ARE ALLOWED TO WORK 7 DAYS A WEEK, 24 HOURS A DAY, IN SOME LOCATIONS, UP TO 24 AC. PER TRUCK MAY BE ACHIEVED THAT WAY, WITH SPECIAL PERMISSION. LARGER PROJECTS MUST HAVE MORE TRUCKS, MORE HOURS, MORE SPRINKLERS, OR LESS DISTURBED AREA AT ANY ONE TIME. AREAS ALREADY GRADED OR STOCKPILED MUST BE STABILIZED WITH CHEMICALS, HYDROMULCH, OR VEGETATION, BEFORE ADDITIONAL AREAS CAN BE STRIPPED FOR GRADING. THE PHASING PATTERN BELOW SHALL BE SHOWN IN THE REFERENCE MAP ON THIS SHEET AT UPPER RIGHT. DRIVING ROUTES THROUGH A PROJECT MUST BE COUNTED IN ALL PHASES WHERE THEY ARE ONLY TREATED WITH WATER. IT IS BETTER TO TREAT THEM WITH AN APPROVED "OIL" (LIKE ENVIROKLEEN) OR SIMILAR NON-CRUSTING DUST PALLIATIVE, TO SAVE WATER.

| SUB-PHASE | APPROX. DATE | DISTURBED AC. | SPRINKLER AC. | WATER TRUCK AC. | # OF TRUCKS |
|---|---|---|---|---|---|
| PHASE "A" ROUGH GRADING (SITE PREPARATION / MOBILIZATION) | | | | | |
| A1 | | | | | |
| A2 | | | | | |
| A3 | | | | | |
| PHASE "B" ROUGH GRADING (MASS GRADING OF STREETS, PADS, RET. BASINS, PERIMETER WALL) | | | | | |
| B1 | | | | | |
| B2 | | | | | |
| B3 | | | | | |
| PHASE "C" FINISH GRADING (MAJOR UTILITY AND STREET CONSTRUCTION) | | | | | |
| C1 | | | | | |
| C2 | | | | | |
| C3 | | | | | |
| PHASE "D" FINISH GRADING (BUILDING UTILITIES, BUILDING CONSTRUCTION, LANDSCAPING) | | | | | |
| D1 | | | | | |
| D2 | | | | | |
| D3 | | | | | |

## FUGITIVE $PM_{10}$ DUST CONTROL MEASURES

HERE IS THE SUMMARIZED MATRIX OF REQUIRED DUST MITIGATION MEASURES IDENTIFIED BY PHASE:

| A | B | C | D | |
|---|---|---|---|---|
| X | | | | PRE-GRADING SITE WATERING (IRRIGATION SYSTEM FOR MIN. 72 HRS. ) |
| X | X | X | X | SIGNS POSTED ON SITE WITH 24 HR. PHONE NUMBER(S) FOR DUST CONTROLLER |
| X | X | X | X | SAND FENCING (ON ALL SIDES OF PROJECT LACKING EXISTING MASONRY WALLS) |
| X | X | X | X | SITE WATERING 7 DAYS A WEEK (IRRIGATION SYSTEM, MIN. 4 TIMES PER 24 HRS., OR BY WATER TRUCKS, MIN. 4 TIMES PER 24 HRS., 1 TRUCK / 8 ACRES) |
| X | X | X | X | PERIMETER SPRINKLER SYSTEM (ALL SIDES, CONTINUOUS NIGHT WATERING WHEN WINDY) |
| X | X | X | X | GRAVEL (MIN. 1.5" DIAM. X 4" DEEP AT OFF-STREET STORAGE AND PARKING AREAS) |
| X | X | X | X | WHEEL CLEANING AT TRUCK EXITS, ("RUMBLE STRIPS", DRIVE-THROUGH PONDS, GRAVEL AREAS, ETC. DETAIL METHOD ON REFERENCE MAP AT AT RIGHT) |
| X | X | X | X | INACTIVE AREA SOIL STABILIZERS (POLYMER, HYDROMULCH, APPROVED OIL, OR PLANTS) |
| X | X | X | X | ACTIVE AREA SOIL STABILIZERS (ENVIROKLEEN "OIL", OR SIMILAR WETTING AGENTS) |
| X | X | X | X | STOP ALL VEHICLE ACTIVITY EXCEPT WATER TRUCKS WHEN WIND > 25 MPH |
| X | X | X | X | STREET SWEEPING WHENEVER NEEDED |
| | X | X | X | PERMANENT VEGETATION / LANDSCAPING |
| | X | X | X | BLOCK WALLS |
| | | X | X | ROAD PAVING |

NOTE: THESE CONTROL METHODS ARE DISCUSSED IN DETAIL IN THE "DUST CONTROL PLAN REVIEW GUIDANCE FOR LOCAL GOVERNMENT" FROM THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, AVAILABLE FROM THE CITY OF RANCHO MIRAGE OR THE S.C.A.Q.M.D.

PROJECT RECORDKEEPING/REPORT: RECORD ALL ACTIVITIES, CONTRACTS AND MATERIALS PURCHASES ASSOCIATED WITH BLOWSAND/FUGITIVE DUST PROGRAM. WEEKLY REPORTS SHOULD BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW. THIS "FEEDBACK" WILL EVENTUALLY HELP THE CITY TO DETERMINE WHAT METHODS OF DUST CONTROL ARE MOST COST EFFECTIVE IN BOTH SHORT TERM AND LONG TERM SITUATIONS. SEE THE REPORT FORM THAT'S AVAILABLE FROM THE CITY OR IN THE AFORESAID DOCUMENT.

## FUGITIVE $PM_{10}$ DUST CONTROL PROGRAM DETAILS

EACH MITIGATION MEASURE OR CONTROL PROGRAM SHALL BE DESCRIBED IN DETAIL BELOW AND ON ADDITIONAL SHEETS AS NECESSARY. PLEASE USE THE REQUIRED DUST CONTROL PLAN EXHIBIT (AT RIGHT OR ATTACHED) TO INDICATE THE LOCATION OF ON-SITE WATER AVAILABILITY, STAGING AREAS TEMPORARY IRRIGATION LINES, TRUCK/WHEEL WASHERS, TEMPORARY SAND FENCING, CONSTRUCTION PHASING, WORKER'S PARKING AREAS, GRAVELED ENTRANCE/EXIT, AND OTHER THINGS AS NEEDED.

## PHASE "A": ROUGH GRADING (SITE PREP. & MOBILIZATION)

GENERAL REQUIREMENTS

1. WRITTEN AND NOTARIZED PERMISSION LETTERS SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FROM ANY ADJACENT LAND OWNERS WHOSE PROPERTY WILL BE USED IN ANY MANNER FOR CONSTRUCTION, STAGING, ACCESS, ETC., PRIOR TO ANY SUCH USAGE. THE OWNER AND AUTHORIZED DUST CONTROLLER FOR THIS PROJECT WILL BE RESPONSIBLE FOR THE DUST CONTROL ON ANY OFF-SITE DISTURBED AREAS AS WELL AS ON THIS PROJECT. A DUST CONTROL SECURITY OF $2,000 PER ACRE, OR AS OTHERWISE APPROVED BY THE CITY ENGINEER, SHALL BE POSTED FOR ALL AREAS TO BE DISTURBED BY THE PROJECT, BOTH ON-SITE AND OFF-SITE. DISTURBANCE OF SITE AREAS NOT INCLUDED IN THIS AGREEMENT SHALL BE REASON FOR THE CITY TO ASSESS ADDITIONAL CHARGES, AND POSSIBLY STOP ALL WORK AT THE SITE UNTIL THE EXTENT OF THE DISTURBANCE IS MEASURED. THEREFORE, IF IT IS SUSPECTED THAT OFF-SITE AREAS MAY BE DISTURBED DURING THE WORK, SHOW THEM ON THIS PLAN AND MAKE THE APPROPRIATE ARRANGEMENTS IN ADVANCE.
2. SAND FENCING, OF EITHER THE WOOD AND WIRE OR THE PLASTIC TYPE, SHALL BE INSTALLED AROUND THE PERIMETER OF THE PROJECT ON ALL SIDES THAT DO NOT HAVE EXISTING MASONRY WALLS OR SIMILAR SOLID FENCING OR HEDGES. THIS SERVES THE MULTIPLE PURPOSES OF: CATCHING SOME WINDBLOWN DUST; REDUCING WIND SPEEDS ON THE PROJECT PERIMETER, AND RESTRICTING VEHICULAR ACCESS POINTS INTO THE PROJECT. THIS RESTRICTED ACCESS HELPS REDUCE DAMAGE TO ANY "CRUST" OF STABILIZED SOIL ON THE PROJECT, AND ALLOWS PLACING OF THE EXIT WHERE "TRACK OUT" CAN BE STOPPED PER #5 BELOW.
3. PRE-WATERING SHALL COMMENCE AT LEAST THREE (3) DAYS PRIOR TO ACTUAL GRADING USING A TEMPORARY ON-SITE IRRIGATION SYSTEM. CONNECTION TO ANY EXISTING WATER SYSTEM SHALL BE DONE IN COMPLIANCE WITH C.V.W.D. TEMPORARY WATER LINES SHALL BE INSTALLED WITH A MINIMAL DISTURBANCE OF ANY OFF-SITE AREAS THEY PASS THROUGH. WHEN THE GRADING BEGINS, A SPRINKLER SYSTEM SHALL BE PLACED AROUND THE PERIMETER OF THE PROJECT, WITH FREQUENT WATERING, ESPECIALLY IN THE TYPICALLY WINDY EVENINGS. PLACING THE PERIMETER SPRINKLERS ON THE SAND FENCE KEEPS THEM SAFE AND EFFECTIVE. WATERING FOR AREAS NOT COVERED BY THE SPRINKLERS SHALL BE PROVIDED BY WATER TRUCKS. (ONE TRUCK PER 8 ACRES FOR 8 HR. WORKDAYS. SEE ABOVE.)
4. ACTIVITY AREAS SUCH AS: EQUIPMENT STORAGE AREA, MATERIALS STORAGE AREA, TEMPORARY OFFICE TRAILERS, AND EMPLOYEE PARKING, SHOULD BE LOCATED IF POSSIBLE ON EXISTING PAVED SURFACES, IF TRAFFIC WOULD NOT BE AFFECTED. IN LIEU OF EXISTING PAVING, A SOIL STABILIZER THAT DOES NOT REQUIRE CONSTANT WATERING, SUCH AS A WASHED GRAVEL, OR "BIODEGRADABLE OIL" COULD BE USED FOR THE INITIAL STAGING AREA. ANY CHEMICALS USED MUST BE CLEARED WITH THE CITY AND REGIONAL WATER QUALITY CONTROL BOARD.

## PHASE "A": ROUGH GRADING (SITE PREP. & MOBILIZATION) CONTINUED

5. THE TIRES OF VEHICLES BEING USED ON-SITE SHOULD BE INSPECTED AND WASHED IF NECESSARY TO STOP TRACKING OF DIRT ONTO PUBLIC STREETS. IF EXTENSIVE EXPORT OR IMPORT OF DIRT IS TO BE DONE, A PAVED OR GRAVELED WHEEL WASHING AREA AT LEAST 12' WIDE BY 100' LONG SHOULD BE PROVIDED AT THE EXIT, TO FACILITATE THE INSPECTION AND CLEANING OF TIRES. "RUMBLE STRIPS" MADE FROM LUMBER, RAILROAD TRACK,OR SIMILAR MATERIALS CAN HELP REDUCE THE MUD GETTING ONTO THE CLEANING AREA. STREET SWEEPING AND WASHING IS STILL TYPICALLY REQUIRED, BUT MAY BE REDUCED BY PROPER USE OF A "WHEEL WASHING AREA" LIKE THIS. THEY ARE REQUIRED ON PROJECTS OVER 5 ACRES OR WITH OVER 5,000 CUBIC YARDS OF IMPORT OR EXPORT.
6. A STANDARD SIGN WITH THE FOLLOWING INFORMATION MUST BE POSTED ON THE SITE, AT LEAST ONE SIGN PER FRONTING STREET. THE SIGN MUST INCLUDE: THE GRADING PERMIT NUMBER, THE PROJECT NAME, MAP NUMBER IF APPROPRIATE, THE AUTHORIZED DUST CONTROLLER PHONE NUMBER(S), THE CITY PHONE NUMBER, AND THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (S.C.A.Q.M.D.) PHONE NUMBER. THE SIGNS MUST BE OBTAINED AND INSTALLED BY THE DEVELOPER USING THE SAMPLE FORMAT. THE SIGNS MUST BE PRESENT AT THE PRE-CONSTRUCTION MEETING OR THE GRADING PERMIT WILL NOT BE ISSUED. THE DEVELOPER MUST KEEP THE CONTACT NAME AND PHONE NUMBER ACTIVE AND CURRENT AT ALL TIMES. FAILURE OF THE CONTACT SYSTEM MAY BE CONSIDERED GROUNDS FOR TEMPORARY OR PERMANENT CANCELLATION OF THE PERMIT.
7. VEHICLES TRAVELING ON DIRT AND/OR ON UNPAVED ROADS SHOULD RESTRICT THEIR SPEED TO 15 M.P.H. MAXIMUM. SIGNS TO THAT EFFECT SHOULD BE PLACED AT THE PROJECT ENTRANCE ON PROJECTS OVER 5 ACRES TO IMPROVE COMPLIANCE.
8. WHEN WIND SPEEDS EXCEED 25 MPH, BY CONTINUOUS ANEMOMETER READING, OR IN GUSTS AT LEAST TWICE WITHIN A THIRTY MINUTE PERIOD, MEASURED ON THE SITE, VEHICULAR ACTIVITY ON THE SITE SHALL CEASE, EITHER VOLUNTARILY, OR BY CITY OR A.Q.M.D. INSPECTOR NOTIFICATION, EXCEPT FOR WATER TRUCKS AND SPRINKLER-TENDING VEHICLES, IF ANY.

SITE SPECIFIC DETAILS:
(PLEASE DESCRIBE ANY SPECIFIC OR ADDITIONAL CONTROL MEASURE PROPOSED.)

1. PRE-WATERING METHOD (AS SHOWN IN 3. OR AS DETAILED HERE): ______

WATER AVAILABILITY, INITIAL STAGE ______

2. OFF-SITE WORK PERMISSION NEEDED: ______
3. ACCESS WILL BE CONTROLLED BY: ______
4. INITIAL STAGING AREA: ______

EQUIPMENT STORAGE ______
TEMPORARY OFFICE ______
EMPLOYEE PARKING ______

5. WHEEL WASHING PROVISIONS: ______
6. SPEED RESTRICTION SIGN LOCATION: ______
7. NUMBER OF POSTED "DUST CONTROL SIGNS" ______ (TYP. 1 PER FRONTING ROAD OR 1 PER 660 FEET OF FRONTAGE)
8. OTHER PRELIMINARY WORK: ______

## PHASE "B": ROUGH GRADING (MASS GRADING, PERIMETER WALLS)

GENERAL REQUIREMENTS

1. HAULING PROCEDURES:
ALL VEHICLES GOING FROM DIRT AREAS ONTO PAVED STREETS SHALL HAVE TIRES AND WHEELS INSPECTED AND WASHED IF NECESSARY TO AVOID "TRACKING-OUT" DIRT. TRUCKS HAULING DIRT ON PAVED STREETS SHALL MAINTAIN AT LEAST A HALF FOOT "FREEBOARD" FROM RIM TO DIRT, AND COVER ALL DIRT OR DUSTY DEBRIS LOADS WITH AN APPROPRIATE TARP.
THE HAUL ROUTE SHOULD BE SHOWN HEREON OR ON AN ATTACHED SHEET, AND SHALL BE CLEARED WITH THE CITY ENGINEER FOR ANY APPLICABLE TRANSPORT PERMITS PRIOR TO ITS USE. ALL HAULING TRUCKS SHALL HAVE A COPY OF THESE PROVISIONS WITH THEM AT ALL TIMES.
THE IMPORT OR EXPORT SITE MUST HAVE A VALID GRADING PERMIT ALSO, AND SHOULD BE COMPLYING WITH ALL APPROPRIATE DUST MITIGATION MEASURES ALSO.
WHEN PRACTICAL, TRUCKS AND EQUIPMENT, SHOULD SHUT OFF ENGINES RATHER THAN IDLING FOR EXTENDED PERIODS, TO MINIMIZE EXHAUST EMISSIONS AND NOISE. THIS BECOMES MORE CRITICAL AS THE SIZE AND NUMBERS OF VEHICLES INCREASES.
2. ALL STRIPPED, GRADED OR OTHERWISE DISTURBED AREAS SHALL BE STABILIZED BY SOME APPROPRIATE MEANS. AREAS ACTIVELY BEING GRADED CAN USUALLY BE STABILIZED BY APPLYING LOTS OF WATER. DISTURBED AREAS NOT ACTIVELY BEING WORKED MAY BE EFFECTIVELY TREATED WITH SOME MORE DURABLE SOIL STABILIZER, SUCH AS HYDROMULCH, TO AVOID CONSTANT WATERING. THE PREFERRED METHOD OF SITE WATERING IS BY SPRINKLER, ESPECIALLY AROUND THE PERIMETER. SPRINKLERS MUST BE SET TO RUN ON WEEKENDS AND EVENINGS WHEN WATER TRUCK DRIVERS ARE NOT AVAILABLE. A TYPICAL WATER TRUCK CAN ONLY HANDLE WELL ABOUT 4 ACRES PER HOUR.
3. IF PERIMETER BLOCK WALLS ARE TO BE BUILT THEY SHOULD BE GIVEN A HIGH PRIORITY SINCE THEY WILL HELP TO CATCH BLOWSAND AND COULD THEREBY REDUCE THE AMOUNT OF STREET SWEEPING REQUIRED.

SITE SPECIFIC DETAILS:
(PLEASE DESCRIBE ANY SPECIFIC OR ADDITIONAL CONTROL MEASURE PROPOSED.)

1. HAULING PROCEDURES: (AS SHOWN ABOVE UNLESS OTHERWISE DETAILED) ______
2. SOIL STABILIZATION METHODS:
ACTIVE AREA WATER SCHEDULE: (MIN. 4 TIMES PER 24 HRS.) ______
WEEKEND WATERING SCHEDULE: (MIN. 4 TIMES PER 24 HRS. ) ______
INACTIVE AREA STABILIZATION METHOD(S): (ACRYLIC POLYMER, HYDROMULCH, PLANTINGS, BIODEGRADABLE "OIL", OR AS SHOWN HERE) ______
3. PERIMETER BLOCK WALL SCHEDULE: ______
4. OTHER: ______

## PHASE "C": FINISH GRADING (UTILITY & STREET CONST.)

GENERAL REQUIREMENTS:

1. DIRT STOCKPILED NEXT TO UTILITY TRENCHES SHALL BE KEPT WATERED OR OTHERWISE STABILIZED OR COVERED TO HELP COUNTERACT THEIR HIGH PROFILE EXPOSURE TO THE WIND.
2. ALL PREVIOUSLY ROUGH GRADED AREAS THAT WILL BE INACTIVE IN THIS PHASE SHOULD BE TREATED WITH A DURABLE SOIL STABILIZER OR GROUND COVER SYSTEM. IF A VEGETATED GROUND COVER IS UTILIZED IT IS ONLY NECESSARY TO GET IT INITIALLY ESTABLISHED. THE ROOT SYSTEM AND TOP STUBBLE MAY BE SUFFICIENT TO HOLD THE DUST EVEN IF WATERING IS DISCONTINUED.
3. FOR TRACTS, MULTIPLE PARCELS, AND EXTENSIVE COMMERCIAL SITES, PAVED ACCESS TO THE BUILDING SITES WILL BE REQUIRED PRIOR TO FRAMING OF THE BUILDINGS. THIS CONSTRUCTION STAGE USUALLY INDICATES AN INCREASE IN THE NUMBERS OF WORKERS AND THEIR VEHICLES. ALSO, THE PAVED ACCESS IS RECOMMENDED FOR FIRE FIGHTING PURPOSES. IF PAVING IS DESIRED BEFORE ALL UTILITIES AND/OR LATERALS ARE INSTALLED, THE BASE LIFT OF ASPHALT IS SUFFICIENT FOR ACCESS. THE A.C. CAN BE "CAPPED" LATER, LEAVING A FINAL SURFACE THAT IS FREE OF UTILITY CUTS AND PATCHES.
4. AS PAVED ACCESS IS EXTENDED, THE STAGING AREA CAN BE MOVED CLOSER TO THE BUILDING SITES. THE STORAGE AND OFFICE TRAILERS, EQUIPMENT, AND EMPLOYEE PARKING CAN BE MOVED ONTO PAVED PORTIONS OF THE SITE.

SITE SPECIFIC DETAILS:
(PLEASE DESCRIBE ANY SPECIFIC OR ADDITIONAL CONTROL MEASURE PROPOSED.)

1. TRENCH STOCKPILE TREATMENT: (WATER AS NECESSARY) ______
2. INACTIVE AREA TREATMENT: (SEAL WITH HYDROMULCH, ACRYLIC POLYMER, PLANTINGS, ETC.) ______

3. STREET PAVING SCHEDULE: ______
4. STAGING AREA MOVEMENT SCHEDULE: ______
5. OTHER: ______

## PHASE "D": FINISH GRADING (BLDG. UTIL., BLDG. CONST., LANDSCAPING)

GENERAL REQUIREMENTS:

1. ALL INACTIVE AREAS SHOULD HAVE BEEN STABILIZED BY THIS STAGE. IF PREVIOUSLY COVERED, THE ACTUAL BUILDING PADS MAY NOW NEED TO BE STRIPPED, SCARIFIED, AND RECOMPACTED FOR BUILDING PAD COMPACTION AND ELEVATION CERTIFICATIONS. DUST WOULD BE KEPT DOWN BY WATERING, USUALLY BY TEMPORARY SPRINKLERS.
2. TRENCHING FOR BUILDING UTILITIES, DRYWELL CONSTRUCTION, POOLS, AND TENNIS COURT CONSTRUCTION FORM THE BULK OF EARTHWORK AFTER THE PADS HAVE BEEN CERTIFIED. TEMPORARY SPRINKLERS MAY STILL BE USED ON THE BUILDING SITE FOR DUST CONTROL PRIOR TO THE BEGINNING OF FRAMING. TREATMENT WITH A BIODEGRADABLE "OIL" APPROVED FOR DUST CONTROL IS RECOMMENDED WHERE IT IS DIFFICULT TO WATER.
3. ESTABLISHING THE LANDSCAPE AND SPRINKLER SYSTEM AROUND THE PERIMETER OF LARGE PROJECTS SHOULD BE DONE AT THIS STAGE. PLANTINGS AROUND THE PERIMETER SERVE AS A WIND BUFFER AND COLLECTION SYSTEM FOR DUST AND SAND. IT IS GOOD TO HAVE DUST AND SAND WELL UNDER CONTROL PRIOR TO THE BUILDING PHASE FOR THE SAKE OF CERTAIN GLUING AND PAINTING PROCESSES THAT CAN BE RUINED BY BLOWSAND OR DUST.
4. DISTURBED AREAS AROUND BUILDINGS SHOULD BE WATERED BY HAND FOR DUST CONTROL UNTIL SUCH TIME THAT THE SPRINKLER SYSTEM IS FULLY FUNCTIONAL AND GROUND COVER AND/OR LANDSCAPING IS ESTABLISHED. IF WATERING IS DIFFICULT DUE TO BUILDING INTERFERENCE, CHEMICAL OR MULCH TREATMENTS ARE AVAILABLE THAT CAN STABILIZE THE SOIL WITHOUT FREQUENT WATERING.
5. CONSTRUCTION DUST SUCH AS FROM CEMENT, PLASTER, PAINT OVERSPRAY, WOOD CUTTING, GRINDING OPERATIONS, ETC., SHOULD BE MINIMIZED ALSO. A PERIMETER BARRIER OF SPRINKLERS AND PLANTINGS CAN SERVE TO CATCH SOME OF THIS POTENTIALLY HAZARDOUS MATERIAL AS WELL AS NATURAL DUST AND BLOWSAND. CONCENTRATIONS OF CONSTRUCTION DUSTS CAN RESULT FROM WASHING OF EQUIPMENT AND SHOULD BE PROPERLY DISPOSED OF BEFORE THEY CAN DRY OUT AND BLOW OR BE WASHED ACROSS PROJECT BOUNDARIES.
6. NOTE THAT SWALES SHOULD BE INSPECTED BY CITY PRIOR TO SETTING OF PERMANENT GROUND COVER OR OTHER PLANTS.

SITE SPECIFIC DETAILS:
(PLEASE DESCRIBE ANY SPECIFIC OR ADDITIONAL CONTROL MEASURE PROPOSED.)

1. BUILDING PAD WATERING: (BY HAND WATERING AS NECESSARY AROUND BUILDING SITE) ______
2. FORMWORK AND TRENCH WATERING: (BY HAND WATERING AS NECESSARY) ______
3. PERIMETER LANDSCAPE SCHEDULE: (AS SOON AS POSSIBLE) ______
4. OTHER: ______

## ABATEMENT OF DUST MITIGATION FAILURE

AN IRREVOCABLE LICENSE IS HEREBY GRANTED OR CAUSED TO BE GRANTED TO PERMIT THE CITY OR THEIR DESIGNEE TO ENTER UPON THE SITE UNDER THE FOLLOWING CIRCUMSTANCES:

A. IN THE EVENT THAT WIND SPEEDS IN EXCESS OF 25 M.P.H. ARE FORECAST TO OCCUR BY THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (S.C.A.Q.M.D.) FOR A PARTICULAR DAY;
B. IN THE EVENT OF AN ON-SITE ANEMOMETER THAT CONFORMS TO ALL S.C.A.Q.M.D. STANDARDS REGISTERING 2 WIND GUSTS IN EXCESS OF 25 M.P.H. WITHIN A CONSECUTIVE 30 MINUTE PERIOD; OR
C. IN THE EVENT FUGITIVE DUST EMISSIONS ARE VISIBLE FOR A DISTANCE OF 50 FEET FROM ANY BOUNDARY LINE; OR
D. THE CITY IS UNABLE, BY TELEPHONE, TO ESTABLISH A PERSONAL CONTACT WITH THE "AUTHORIZED DUST CONTROLLER" AFTER A 60 MINUTE CONSECUTIVE PERIOD WHICH SHALL START WITH THE FIRST TELEPHONE CALL, WHETHER ANSWERED OR NOT; THEN THE CITY WILL UNDERTAKE TO INITIATE ONE OR ALL OF THE BELOW LISTED ACTIONS:
   1. THE CITY WILL CAUSE THE CESSATION OF ANY ON-SITE ACTIVITY, INCLUDING BUT NOT LIMITED TO EARTH MOVING, CONSTRUCTION, DEMOLITION OR VEHICULAR MOVEMENT AND MANEUVERING. ANY WATER TRUCKS OR VEHICLES SERVICING SPRINKLERS WOULD CONTINUE.
   2. IN THE EVENT THAT AN ON-SITE IRRIGATION SYSTEM IS NOT INSTALLED AND/OR OPERATIONAL, THE CITY WILL CAUSE THE SITE TO BE WATERED OR TREATED WITH DUST CONTROL CHEMICALS. THE DUST CONTROL SECURITY WILL BE UTILIZED FIRST TO COVER ANY COSTS INCURRED. IF COSTS EXCEED ANY DUST CONTROL SECURITY REMAINING, ADDITIONAL COSTS MAY BE ASSESSED AGAINST THE OWNER OF THE PROJECT.
   3. IN THE EVENT AN ON-SITE IRRIGATION SYSTEM IS INSTALLED, BUT ITS CONTROL CLOCK HAS NOT TURNED THE SYSTEM ON WHEN NEEDED, THE CITY MAY TAKE ALL NECESSARY STEPS TO TURN ON THE SYSTEM. IF IT IS INACCESSIBLE BEHIND LOCKED GATES OR LOCKED CONTROL BOXES, AND THE CITY CAN NOT FIND THE APPROPRIATE KEYS, THE CITY MAY CUT OR BREAK LOCKS AS NECESSARY.
E. IF, IN THE OPINION OF THE CITY ENGINEER OR HIS DESIGNEE, THE INTENSITY, FREQUENCY OR DURATION OF FUGITIVE DUST EMISSIONS FROM THE SITE CONSTITUTES A HAZARD TO THE SAFETY OF THE PUBLIC, BY INTRUSION BEYOND THE PROJECT BOUNDARY, THE CITY ENGINEER OR HIS DESIGNEE OR AGENT MAY IMMEDIATELY ENTER UPON THE SITE OR IMMEDIATELY TAKE OTHER SUCH ACTION AS MAY BE NECESSARY TO REMEDY THE HAZARD, SUCH AS, BUT NOT LIMITED TO COMMENCING WATERING ON THE SITE OR ORDERING THE CESSATION OF ANY EMISSION-GENERATING ACTIVITY OCCURRING ON-SITE.
F. ANY OF THE ABOVE ACTIONS MAY BE CONSTRUED AS AN ABATEMENT FOR WHICH THE CITY WILL "BACK CHARGE" THE GENERAL CONTRACTOR, DEVELOPER, AND/OR THE OWNER AS THE CITY SHALL DEEM APPROPRIATE.

## APPLICATION CONSENT

APPLICATION FOR APPROVAL OF A LOCAL AIR QUALITY MANAGEMENT (L.A.Q.M.P.) PLAN IS HEREBY MADE TO THE CITY ENGINEER OR HIS DESIGNEE, AS PART OF A GRADING PERMIT APPLICATION, SUBJECT TO THE CONDITIONS AND RESTRICTIONS SET FORTH HEREIN:

1. EACH PERSON UPON WHOSE BEHALF THIS APPLICATION IS MADE AND EACH PERSON AT WHOSE REQUEST AND FOR WHOSE BENEFIT WORK IS PERFORMED UNDER AND PURSUANT TO ANY PERMIT ISSUED AS A RESULT OF THIS APPLICATION AGREES TO, AND SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF RANCHO MIRAGE, ITS OFFICERS, AGENTS AND EMPLOYEES.
2. ANY PERMIT ISSUED AS A RESULT OF THIS APPLICATION BECOMES NULL AND VOID IF WORK IS NOT COMMENCED WITHIN 90 DAYS FROM THE DATE OF ISSUANCE OF SUCH PERMIT.
3. THE APPLICANT, OWNER, CONTRACTOR(S), SUBCONTRACTOR(S) OR OTHER AGENTS, HEIRS OR ASSIGNEES SHALL CONFORM TO THE ATTACHED DUST CONTROL PLAN AS APPROVED BY THE CITY. SAID PLAN INCLUDES NOTES AND/OR DRAWINGS OF TEMPORARY OR PERMANENT CONTROL METHODS OR DEVICES PROPOSED TO BE USED. THIS L.A.Q.M.P. SHALL BE CONSIDERED AN ADDENDUM TO, AND A NECESSARY PART OF, ANY GRADING, STOCKPILE, IMPROVEMENT, OR DEMOLITION PLAN OTHERWISE REQUIRED FOR CITY PERMITS.
4. BY AGREEING TO CONFORM TO THIS PLAN AS APPROVED BY THE CITY, THE OWNER AND DESIGNATED "AUTHORIZED DUST CONTROLLER" DO ALSO AGREE TO ABIDE BY THE PROVISIONS OF THE ABATEMENT PROCEDURES AS SHOWN ABOVE.

## OWNER'S CERTIFICATION:

I CERTIFY THAT I HAVE READ THIS APPLICATION AND UNDERSTAND THAT I AM RESPONSIBLE FOR THE COMPLIANCE OF THIS PROJECT TO THE DUST CONTROL PROVISIONS NOTED OR REFERENCED HERE. I UNDERSTAND THAT THE DUST CONTROL SECURITY THAT I'VE POSTED WITH THE CITY MAY BE USED BY THE CITY, PLUS ADDITIONAL CHARGES IF NEEDED, IF I FAIL TO KEEP THE DUST UNDER CONTROL. I UNDERSTAND THAT DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK, FROM THE TIME THAT THIS SITE IS DISTURBED IN ANY WAY FROM THE NATURAL VEGETATED CONDITION, AND MUST CONTINUE UNTIL THE TIME THAT THE PROJECT SITE IS ACCEPTABLY RE-VEGETATED OR PAVED. RESPONSIBILITY FOR THE DUST CONTROL ON THIS SITE CAN NOT BE TRANSFERRED SOLELY BY TRANSFERRING ALL OR A PORTION OF THIS PROPERTY TO OTHER PEOPLE. A REPLACEMENT L.A.Q.M.P. AND DUST CONTROL SECURITY MUST BE SUBMITTED FOR ANY TRANSFERRED PORTION. I HEREBY AUTHORIZE THE PERSON LISTED BELOW AS "AUTHORIZED DUST CONTROLLER" TO BE MY REPRESENTATIVE AND CONTACT PERSON FOR ALL DUST COMPLAINTS INVOLVING THIS PROJECT. I CERTIFY THAT I HAVE READ THIS APPLICATION AND THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH CITY ORDINANCE 398 (MUNI. CODE SEC. 15.32) AND ALL LAWS RELATING TO GRADING OPERATIONS. I AUTHORIZE REPRESENTATIVES OF THE CITY OF RANCHO MIRAGE TO ENTER UPON THE ABOVE-MENTIONED PROPERTY FOR INSPECTION AND/OR ABATEMENT PURPOSES, AND I AGREE TO HOLD HARMLESS THE CITY AND ITS REPRESENTATIVES FROM LIABILITY FOR ANY ACTIONS RELATED TO THIS PERMIT.

OWNER'S NAME(S) ______
OWNER'S ADDRESS ______
OWNER'S SIGNATURE(S) ______
DATE ______

## AUTHORIZED DUST CONTROLLER CERTIFICATION: #______

I CERTIFY THAT I HAVE READ THIS APPLICATION AND UNDERSTAND THAT I AM RESPONSIBLE FOR THE COMPLIANCE OF THIS PROJECT TO THE DUST CONTROL PROVISIONS NOTED OR REFERENCED HERE. AS THE "AUTHORIZED DUST CONTROLLER" FOR THIS PROJECT I WILL HAVE MY PHONE NUMBER ON THE REQUIRED SITE SIGNS, AND WILL RESPOND TO DUST COMPLAINTS WITHIN THE 1 HOUR LIMIT. I UNDERSTAND THAT DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK, FROM THE TIME THAT THIS SITE IS DISTURBED IN ANY WAY FROM THE NATURAL VEGETATED CONDITION, AND MUST CONTINUE UNTIL THE TIME THAT THE PROJECT SITE IS ACCEPTABLY RE-VEGETATED OR PAVED.

DUST CONTROLLER NAME (PRINT) ______
DUST CONTROLLER ADDRESS ______
DUST CONTROLLER SIGNATURE ______ DATE ______
CONTACT PHONE NUMBERS (24HR) ______

COPYRIGHTED CITY LOGO

CITY OF RANCHO MIRAGE
PERMIT # E1000###
DEVELOPER'S NAME
PROJECT NAME / TRACT #####
IF YOU SEE DUST COMING FROM THIS PROJECT CALL:
24 HR. NAME, PH. ###-###-####
IF YOU DO NOT GET A RESPONSE WITHIN ONE HOUR, PLEASE CALL THE CITY OF RANCHO MIRAGE PUBLIC WORKS AT 760-774-8503 AND CALL THE A.Q.M.D. AT 1-800-CUT-SMOG (1-800-288-7664)

CONTRASTING COLOR, TYPICALLY BLACK LETTERS ON WHITE BACKGROUND

SIGN AND LETTER SIZE CRITERIA

| PROJECT SIZE | 0-1 ACRE | 1-10 ACRE | OVER 10 ACRE |
|---|---|---|---|
| SIGN SIZE | 24"Hx36"W | 36"Hx48"W | 48"Hx96"W |
| | 2" | 3" | 4" |
| | 2" | 3" | 4" |
| | 2" | 3" | 4" |
| | 2" | 3" | 4" |
| | 2" | 3" | 4" |
| | 3" | 4.5" | 6" |
| | 1.5" | 2.25" | 3" |
| | 1.5" | 2.25" | 3" |
| | 1.5" | 2.25" | 3" |

## DUST CONTROL SIGN CRITERIA

ADD A DRAWING HERE FOR SPECIAL DUST CONTROL ITEMS NOT TYPICALLY SHOWN ON GRADING PLANS, SUCH AS: TRUCK WHEEL WASH AREAS, EMPLOYEE PARKING AREAS, WATER TOWER LOCATIONS, HAUL ROAD DETAILS, SPEED SIGN LOCATION, SAND FENCE LOCATIONS, PERIMETER SPRINKLER LOCATIONS, STAGING AREAS, BORROW PITS, ETC. IF ALL REQUIRED FEATURES ARE ALREADY SHOWN ON THE GRADING PLAN WHICH IS ATTACHED, OWNER INITIAL HERE ______

## REFERENCE MAP / GRADING PLAN FEATURES

SCALE ______ = ______

SHOW THE ROADS WHICH WILL BE USED FOR IMPORT OR EXPORT OF DIRT FOR THE PROJECT. IF THE PLANS INDICATE A DIRT BALANCE AND THUS NO HAUL ROUTE IS REQUIRED, OWNER INITIAL HERE ______

## VICINITY MAP / HAUL ROUTE

NOT TO SCALE

**NOTE: PROJECTS OF 10 ACRES OR LARGER MUST ALSO FILE THE 8.5"x11" FORM WITH THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SEE THEIR WEB SITE OR CITY ENGINEERING FOR APPROPRIATE FORMS)**

FORM REVISED 5/21/2010

PREPARED BY: ______ CERT. # ______
SIGNATURE ______ DATE ______
PRINT NAME ______
ADDRESS, PH. ______
APPROVED BY CITY OF RANCHO MIRAGE:
______ DATE ______
WILLIAM A. ENOS, CITY ENGINEER
R.C.E. 43910, EXP. 6/30/2013

CITY OF RANCHO MIRAGE
LOCAL AIR QUALITY MANAGEMENT PLAN
$PM_{10}$ DUST MITIGATION

PROJECT NAME ______
SITE ADDRESS ______ A.P.N. ______
SEC. ______, T. ___ S., R. ___ E., S.B.& M.

SHEET ______ OF ______
GRADING PERMIT #
E ______