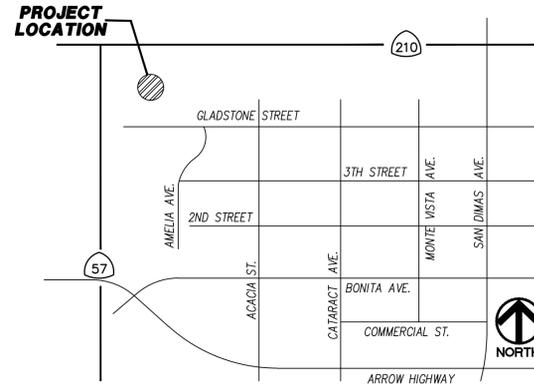


CITY OF SAN DIMAS ROUGH GRADING PLAN TRACT NO. XXXXX



LOCATION MAP
NOT TO SCALE

PROJECT INFORMATION

GENERAL INFORMATION
 EARTHWORK VOLUMES CUT _____ (CY), FILL _____ (CY)
 OVER EXCAVATION/ ALLUVIAL REMOVAL & COMPACTION _____ (CY)
 EXPORT _____ (CY), EXPORT LOCATION: _____
 TOTAL DISTURBED AREA _____ (ACRES)
 TOTAL PROPOSED LANDSCAPED AREA _____ SQUARE FEET
 PRE-DEVELOPMENT IMPERVIOUS AREA _____ (ACRES)
 POST-DEVELOPMENT IMPERVIOUS AREA _____ (ACRES)
 WASTE DISCHARGE IDENTIFICATION NUMBER (WDID#) _____
 CONSTRUCTION & DEMOLITION DEBRIS RECYCLING AND REUSE PLAN (RPP ID) _____

PROPERTY INFORMATION
 PROPERTY ADDRESS _____
 TRACT/PARCEL MAP NO. _____ LOT/PARCEL NO. _____
 PROPERTY OWNER _____
 ASSESSORS ID NUMBER(S) _____
ZONING, PLANNING, AND OTHER AGENCY INFORMATION
 PROPERTY ZONING: _____
 INTENDED LAND USE: _____
 (FOR PROPOSED GRADED AREAS - I.E. ...SINGLE FAMILY RESIDENCE)

GENERAL NOTES

- ALL GRADING AND CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE STATE OF CALIFORNIA BUILDING CODES, AND THE STATE MODEL WATER EFFICIENCY LANDSCAPE ORDINANCE UNLESS SPECIFICALLY NOTED ON THESE PLANS.
- ANY MODIFICATIONS OF OR CHANGES TO APPROVED GRADING PLANS MUST BE APPROVED BY THE BUILDING OFFICIAL.
- NO GRADING SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING OFFICIAL. A PRE-GRADING MEETING AT THE SITE IS REQUIRED BEFORE THE START OF THE GRADING WITH THE FOLLOWING PERSONS PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, GRADING INSPECTOR OR HIS REPRESENTATIVES, AND WHEN REQUIRED THE ARCHEOLOGIST OR OTHER JURISDICTIONAL AGENCIES. PERMITTEE OR HIS AGENT ARE RESPONSIBLE FOR ARRANGING PRE-GRADING MEETING AND MUST NOTIFY THE BUILDING OFFICIAL AT LEAST TWO BUSINESS DAYS PRIOR TO PROPOSED PRE-GRADING MEETING.
- ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH CITY OF SAN DIMAS CODE SECTION 8.36.160 THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 8:00 PM TO 7:00 AM, AND ON SUNDAYS AND HOLIDAYS (UNLESS AUTHORIZED BY SPECIAL PERMIT).
- CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY, THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OR DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL THE FOLLOWING HAS BEEN MEASURED HAS BEEN TAKEN:
 - THE COUNTY CORNER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED; AND
 - IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDANTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.
- APPROVAL OF THIS PLAN BY THE CITY OF SAN DIMAS DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THIS PROJECT.
- ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL OR A LEGAL DUMP SITE. RECEIPTS FOR ACCEPTANCE OF EXCESSIVE MATERIAL BY A DUMP SITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.
- A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
- SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY FIELD ENGINEER OR A LICENSED LAND SURVEYOR. AS REQUESTED BY THE BUILDING OFFICIAL, ALL PROPERTY LINES, EASEMENTS AND RESTRICTED USE AREAS SHALL BE STAKED PRIOR TO GRADING.
- NO GRADING OR CONSTRUCTION SHALL OCCUR WITHIN THE PROTECTED ZONE OF ANY OAK TREE AS REQUIRED PER TITLE CHAPTER 13.36 THE SAN DIMAS MUNICIPAL CODE. IT IS PROHIBITED AND UNLAWFUL FOR ANY PERSON TO DO, CAUSE, OR ALLOW DAMAGE, CARVE, DISTURB, TRANSPORT, PRUNE, ROOT PRUNE OR REMOVE ANY COMMUNITY TREE, OR UNDERTAKE ANY OTHER ACTION THAT MAY DIRECTLY OR INDIRECTLY AFFECT THE HEALTH OR WELFARE OF A COMMUNITY TREE. THE PROTECTED ZONE SHALL MEAN THAT AREA WITHIN THE DRIP LINE OF AN OAK TREE EXTENDING THERE FROM A POINT AT LEAST FIVE FEET OUTSIDE THE DRIP LINE, OR 15 FEET FROM THE TRUNK(S) OF A TREE, WHICHEVER IS GREATER.
- ANY STANDARD RETAINING WALL DETAILS SHOWN ON THE GRADING PLANS ARE FOR REFERENCE ONLY. STANDARD RETAINING WALLS ARE NOT CHECKED, PERMITTED, OR INSPECTED PER THE GRADING PERMIT. A SEPARATE RETAINING WALL PLAN CHECK AND PERMIT IS REQUIRED FOR ALL RETAINING WALLS.
- A PREVENTIVE PROGRAM TO PROTECT THE SLOPES FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED PER SECTION J101.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE. OWNER IS TO INSPECT SLOPES PERIODICALLY FOR EVIDENCE OF BURROWING RODENTS AND A FIRST EVIDENCE OF THEIR EXISTENCE SHALL EMPLOY AN EXTERMINATOR FOR THEIR REMOVAL.
- IF ANY DEVELOPMENT IS SCHEDULED TO BE DONE BETWEEN OCTOBER 15 AND APRIL 15, THE ENGINEER SHALL SUBMIT A DETAILED EROSION CONTROL PLAN INCLUDING DESILTING BASINS OR OTHER TEMPORARY DRAINAGE OR CONTROL MEASURES OR BOTH AS MAY BE NECESSARY TO PROTECT ADJOINING PUBLIC AND PRIVATE PROPERTY FROM DAMAGE BY EROSION, FLOODING OR THE DEPOSITION OF MUD OR DEBRIS WHICH MAY ORIGINATE FROM THE SITE OR RESULT FROM SUCH DEVELOPMENT.
- TRANSFER OF RESPONSIBILITY: IF THE FIELD ENGINEER, THE SOILS ENGINEER, OR THE ENGINEERING GEOLOGIST RECORD CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THE AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF SUCH GRADING.
- IF THE DEVELOPMENT IS OVER 1 ACRE, OR THE PROPOSED TYPE OF INDUSTRY IS SUBJECT TO APPLICABLE FEDERAL STORM WATER REGULATIONS UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A GENERAL CONSTRUCTION ACTIVITIES STORMWATER PERMIT (GCASP) MUST BE OBTAINED FROM THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD PRIOR TO THE ISSUANCE OF A GRADING PERMIT.
- PROPOSED STARTING DATE: _____ AND COMPLETION DATE: _____ OF GRADING.

17. THE CIVIL ENGINEER SHALL SIGN THE FOLLOWING STATEMENTS ON THE PLANS:

a. 'I CERTIFY THAT I WILL SUPERVISE THIS GRADING IN ACCORDANCE WITH CITY OF SAN DIMAS REQUIREMENTS TO INCLUDE INCORPORATING ALL RECOMMENDATIONS OF THE SOILS ENGINEER, REPORT AND BE RESPONSIBLE FOR PROFESSIONAL INSPECTION AND CERTIFICATION OF THE GRADING. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, INSPECTION AND CERTIFICATION AS TO THE ESTABLISHMENT OF LINE, GRADE AND DRAINAGE PATTERN OF THE DEVELOPMENT AREA. I WILL ALSO BE RESPONSIBLE FOR THE PREPARATION OF REVISED PLANS AND THE SUBMISSION OF 'AS-BUILT' GRADING PLANS UPON THE COMPLETION OF THE WORK.'

b. 'I CERTIFY THAT THIS PROJECT (IS/IS NOT) SUBJECT TO THE GENERAL CONSTRUCTION ACTIVITIES STORMWATER PERMIT (GCASP) FOR THE FOLLOWING REASON:

(STATE THE REASON THAT THE PROJECT IS/IS NOT SUBJECT TO GCASP REQUIREMENTS)

c. 'THE WASTE DISCHARGE IDENTIFICATION (WDID) NUMBER ASSIGNED TO THIS PROJECT BY THE STATE WATER RESOURCE CONTROL BOARD IS:

(IF 'NOT APPLICABLE,' STATE NA)

18. THE SOILS ENGINEER SHALL SIGN THE FOLLOWING STATEMENT ON THE PLAN: 'I CERTIFY THAT I SHALL PROVIDE PROFESSIONAL INSPECTION AND CERTIFICATION CONCERNING THE PREPARATION OF GROUND TO RECEIVE FILLS, TESTING FOR REQUIRED COMPACTION STABILITY OF ALL FINISHED SLOPES AND INCORPORATING THE DATA SUPPLIED BY THE ENGINEERING GEOLOGIST AND THE PREPARATION OF THE SOILS GRADING REPORT.'

SUPERVISING ENGINEER _____ R.C.E. _____ DATE _____

- DUST SHALL BE CONTROLLED BY WATERING.
- SANITARY FACILITIES SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- FEES FOR A GRADING PLAN CHECK AND A GRADING PERMIT SHALL BE PAID PER THE ESTABLISHED FEE SCHEDULE ADOPTED BY THE CITY OF SAN DIMAS.
- GRADING OF OVER 5,000 CUBIC YARDS SHALL BE CONSIDERED "ENGINEERED GRADING."
- A GRADING BOND MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A GRADING PERMIT. SEE CITY HANDBOOK FOR REQUIREMENTS.

INSPECTION NOTES

- THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE BUILDING OFFICIAL AT LEAST ONE WORKING DAY IN ADVANCE OF REQUIRED INSPECTIONS AT FOLLOWING STAGES OF WORK.
 - PRE-GRADE - BEFORE THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION.
 - INITIAL - WHEN THE SITE HAS BEEN CLEARED OF VEGETATION AND UNAPPROVED FILL HAS BEEN SCARIFIED, BENCHED OR OTHERWISE PREPARED FOR FILL. FILL SHALL NOT BE PLACED PRIOR TO THIS INSPECTION. NOTE: PRIOR TO ANY CONSTRUCTION ACTIVITIES, INCLUDING GRADING, ALL STORM WATER POLLUTION PREVENTION MEASURES INCLUDING EROSION CONTROL DEVICES WHICH CONTAIN SEDIMENTS MUST BE INSTALLED.
 - ROUGH - WHEN APPROXIMATE FINAL ELEVATIONS HAVE BEEN ESTABLISHED: DRAINAGE TERRACES, SWALES AND BERMS INSTALLED AT THE TOP OF THE SLOPE.
 - FINAL - WHEN GRADING HAS BEEN COMPLETED; ALL DRAINAGE DEVICE INSTALLED; SLOPE PLANTING ESTABLISHED, IRRIGATION SYSTEMS INSTALLED AND THE "AS-BUILT" GRADING PLANS, REQUIRED CERTIFICATIONS, AND REPORTS HAVE BEEN SUBMITTED AND APPROVED.
- ALL GRADED SITES MUST HAVE DRAINAGE SWALES, BERMS, AND OTHER DRAINAGE DEVICES INSTALLED PRIOR TO ROUGH GRADING APPROVAL PER SECTION J109 OF THE STATE OF CALIFORNIA BUILDING CODE.
- FINAL GRADING MUST BE COMPLETED AND APPROVED BEFORE OCCUPANCY OF BUILDINGS WILL BE ALLOWED.

DRAINAGE NOTES

- ROOF DRAINAGE MUST BE DIVERTED FROM GRADED SLOPES.
- PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
- ALL STORM DRAIN WORK IS TO BE DONE UNDER CONTINUOUS INSPECTION BY THE FIELD ENGINEER.
- ALL PADS AT ROUGH GRADING WILL HAVE A MINIMUM SLOPE OF 1% TOWARDS THE STREET OR DESIGNED DRAINAGE OUTLET.
- FIELD ENGINEER MUST SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND OBTAIN INSPECTION BEFORE PLACING CONCRETE.

AGENCY NOTES

- AN ENCROACHMENT PERMIT FROM THE CITY OF SAN DIMAS IS REQUIRED FOR ALL WORK WITHIN OR AFFECTING PUBLIC RIGHT-OF-WAY. ALL WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF SAN DIMAS ENCROACHMENT PERMIT.
- AN ENCROACHMENT PERMIT/CONNECTION PERMIT IS REQUIRED FROM THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT FOR ALL WORK WITHIN THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT RIGHT-OF-WAY. ALL WORK SHALL CONFORM TO CONDITIONS SET BY THE PERMIT.
- PERMISSION TO OPERATE IN VERY HIGH FIRE HAZARD SEVERITY ZONE MUST BE OBTAINED FROM THE FIRE PREVENTION BUREAU OR THE LOCAL FIRE STATION PRIOR TO COMMENCING WORK.
- ALL WORK WITHIN THE STREAMBED AND AREAS OUTLINED ON GRADING PLAN SHALL CONFORM TO: ARMY CORP 404 PERMIT NUMBER: _____ CALIFORNIA FISH & WILDLIFE PERMIT NO.: _____
- ALL CONSTRUCTION/DEMOLITION, GRADING, AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE LOCAL AODM RULE 403 FOR FUGITIVE DUST. INFORMATION ON RULE 403 IS AVAILABLE AT AODM'S WEBSITE <http://www.aodm.com>.

GEOTECHNICAL NOTES

- ALL WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL CONSULTANT'S REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.
- GRADING OPERATIONS MUST BE CONDUCTED UNDER PERIODIC INSPECTIONS BY THE GEOTECHNICAL CONSULTANTS WITH MONTHLY INSPECTIONS REPORTS TO BE SUBMITTED TO THE BUILDING OFFICIAL.
- THE SOILS ENGINEER SHALL PROVIDE SUFFICIENT INSPECTION DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
- ROUGH GRADING MUST BE APPROVED BY A FINAL ENGINEERING GEOLOGY AND SOILS ENGINEERING REPORT. AN AS-BUILT GEOLOGICAL MAP MUST BE INCLUDED IN THE FINAL GEOLOGY REPORT. PROVIDE A FINAL REPORT STATEMENT THAT VERIFIES WORK WAS DONE IN ACCORDANCE WITH REPORT RECOMMENDATIONS AND CODE PROVISIONS. DAILY OR WEEKLY REPORTS SHALL BE AVAILABLE ON SITE FOR REVIEW AND THE FINAL REPORT(S) MUST BE SUBMITTED TO THE BUILDING OFFICIAL FOR REVIEW AND APPROVAL.
- FOUNDATION, WALL AND POOL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEERING GEOLOGIST AND SOILS ENGINEER, PRIOR TO THE PLACING OF STEEL OR CONCRETE.
- BUILDING PADS LOCATED IN CUT/FILL TRANSITION AREAS SHALL BE OVER-EXCAVATED A MINIMUM OF THREE (3) FEET BELOW THE PROPOSED BOTTOM OF FOOTING.
- PRIOR TO THE ISSUANCE OF BUILDING PERMITS, SUBMIT A SOILS ENGINEER REPORT ON THE EXPANSIVE PROPERTIES OF SOIL ON ALL BUILDING SITES IN THE PROPOSED SUBDIVISION.
- ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SOILS ENGINEER.
- ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY THE ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE BUILDING OFFICIAL FOR APPROVAL.
- WHERE SUPPORT OR BUTRESSING OF CUT AND NATURAL SLOPES IS DETERMINED TO BE NECESSARY BY THE ENGINEERING GEOLOGIST AND SOILS ENGINEER, THE SOILS ENGINEER WILL SUBMIT DESIGN, LOCATION AND CALCULATIONS TO THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION. THE ENGINEERING GEOLOGIST AND SOILS ENGINEER WILL INSPECT AND CONTROL THE CONSTRUCTION OF THE BUTRESSING AND CERTIFY TO THE STABILITY OF THE SLOPE AND ADJACENT STRUCTURES UPON COMPLETION.

FILL NOTES

- ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA:
 - 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE.
 - 93 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER. THE RELATIVE COMPACTION SHALL BE DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D1557-01 WHERE APPLICABLE. WHERE NOT APPLICABLE, A TEST ACCEPTABLE TO THE BUILDING OFFICIAL SHALL BE USED.
- FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE BY THE BUILDING OFFICIAL. HOWEVER, NOT LESS THAN 20% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, AND SHALL BE OBTAINED BY THE SAND CONE METHOD.
- SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
 - ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
 - ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
 - ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
 - ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
- SUFFICIENT TESTS OF FILL SOILS SHALL BE MADE TO VERIFY THAT THE SOIL PROPERTIES COMPLY WITH THE DESIGN REQUIREMENTS, AS DETERMINED BY THE SOILS ENGINEER. INCLUDING SOIL TYPES, SHEAR STRENGTH PARAMETERS AND CORRESPONDING UNIT WEIGHTS IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
 - PRIOR AND SUBSEQUENT TO PLACEMENT OF THE FILL, SHEAR TESTS SHALL BE TAKEN ON EACH TYPE OF SOIL OR SOIL MIXTURE TO BE USED FOR ALL FILL SLOPES DEEPER THAN THREE (3) HORIZONTAL TO ONE VERTICAL.
 - SHEAR TEST RESULTS FOR THE PROPOSED FILL MATERIAL MUST MEET OR EXCEED THE DESIGN VALUES USED IN THE GEOTECHNICAL REPORT TO DETERMINE SLOPE STABILITY REQUIREMENTS. OTHERWISE, THE SLOPE MUST BE REEVALUATED USING THE ACTUAL SHEAR TEST VALUE OF THE FILL MATERIAL THAT IS IN PLACE.
 - FILL SOILS SHALL BE FREE OF DELETERIOUS MATERIALS.
- FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE SOILS ENGINEER APPROVES IN WRITING THE USE OF SUCH MATERIAL.
- ROCK OR SIMILAR MATERIAL GREATER THAN 8 INCHES IN DIAMETER SHALL NOT BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL. LOCATION, EXTENT, AND ELEVATION OR ROCK DISPOSAL AREAS MUST BE SHOWN ON THE "AS-BUILT" GRADING PLANS.
- CONTINUOUS INSPECTION BY THE SOILS ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS WHERE FILLS HAVE A DEPTH GREATER THAN 30 FEET OR SLOPE SURFACE STEEPER THAN 2:1.
- CONTINUOUS INSPECTION BY THE SOILS ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL SUBDRAIN INSTALLATION. SUBDRAIN OUTLETS SHALL BE COMPLETED AT THE BEGINNING OF THE SUBDRAIN CONSTRUCTION.
- ALL SUBDRAIN OUTLETS ARE TO BE SURVEYED FOR LINE AND ELEVATION. SUBDRAIN INFORMATION MUST BE SHOWN ON THE "AS-BUILT" GRADING PLANS.
- FILL SLOPES SHALL NOT BE STEEPER THAN 2:1.
- FILLS SHALL BE BENCHED INTO COMPETENT MATERIAL AS PER DETAILS ON THE PLANS PROVIDED.
- THE ENGINEERING GEOLOGIST AND SOILS ENGINEER SHALL, AFTER CLEARING AND PRIOR TO THE PLACEMENT OF FILL IN CANYONS, INSPECT EACH CANYON FOR AREAS OF ADVERSE STABILITY AND TO DETERMINE THE PRESENCE OR ABSENCE OF SUBSURFACE WATER OR SPRING FLOW. IF NEEDED, DRAINS WILL BE DESIGNED AND CONSTRUCTED PRIOR TO THE PLACEMENT OF FILL IN EACH RESPECTIVE CANYON.

PLANTING AND IRRIGATION NOTES

- PLANTING AND IRRIGATION ON GRADED SLOPES MUST COMPLY WITH THE FOLLOWING MINIMUM GUIDELINES:
 - THE SURFACE OF ALL CUT SLOPES MORE THAN 5 FEET IN HEIGHT AND FILL SLOPES MORE THAN 3 FEET IN HEIGHT SHALL BE PROTECTED AGAINST DAMAGE BY EROSION BY PLANTING WITH GRASS OR GROUNDCOVER PLANTS. SLOPES EXCEEDING 15 FEET IN VERTICAL HEIGHT SHALL ALSO BE PLANTED WITH SHRUBS, SPACED AT NOT TO EXCEED 10 FEET ON CENTERS; OR TREES, SPACED AT NOT TO EXCEED 20 FEET ON CENTERS, OR A COMBINATION OF SHRUBS AND TREES AT EQUIVALENT SPACING, IN ADDITION TO THE GRASS OR GROUNDCOVER PLANTS. THE PLANTS SELECTED AND PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATIC CONDITIONS OF THE SITE. PLANT MATERIAL SHALL BE SELECTED WHICH WILL PRODUCE A COVERAGE OF PERMANENT PLANTING EFFECTIVELY CONTROLLING EROSION. CONSIDERATION SHALL BE GIVEN TO DEEP-ROOTED PLANTING MATERIAL LIMITED WATERING, MAINTENANCE, HIGH ROOT TO SHOOT RATIO, WIND SUSCEPTIBILITY AND FIRE-RETARDANT CHARACTERISTICS. ALL PLANT MATERIALS MUST BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO INSTRUCTIONS.
 - SLOPES REQUIRED TO BE PLANTED SHALL BE PROVIDED WITH AN APPROVED SYSTEM OF IRRIGATION THAT IS DESIGNED TO COVER ALL PORTIONS OF THE SLOPE. IRRIGATION SYSTEM PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. A FUNCTION TEST OF THE SYSTEM MAY BE REQUIRED. FOR SLOPES LESS THAN 20 FEET IN VERTICAL HEIGHT, HOSE BIBS TO PERMIT HAND WATERING WILL BE ACCEPTABLE IF SUCH HOSE BIBS ARE INSTALLED AT CONVENIENTLY ACCESSIBLE LOCATIONS WHERE A HOSE NO LONGER THAN 50 FEET IS NECESSARY FOR IRRIGATION. THE REQUIREMENTS FOR PERMANENT IRRIGATION SYSTEMS MAY BE MODIFIED UPON SPECIFIC RECOMMENDATION OF A LANDSCAPE ARCHITECTURE CONSULTANT AUTHORITY THAT, BECAUSE OF THE TYPE OF PLANTS SELECTED, THE PLANTING METHODS USED AND THE SOIL AND CLIMATIC CONDITIONS AT THE SITE, IRRIGATION WILL NOT BE NECESSARY FOR THE MAINTENANCE OF THE SLOPE PLANTING.
- THE PLANTING AND IRRIGATION SYSTEMS SHALL BE INSTALLED AS SOON AS PRACTICABLE AFTER ROUGH GRADING. ALL REQUIRED SLOPE PLANTING MUST BE WELL ESTABLISHED PRIOR TO FINAL GRADING APPROVAL.
- LANDSCAPE IRRIGATION SYSTEM SHALL BE DESIGNED AND MAINTAINED TO PREVENT SPRAY ONTO ALL PERMANENT STRUCTURES.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.

MISCELLANEOUS NOTES

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR, AND WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR OR WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

THE LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS & PROFESSIONAL CODE, AND SECTIONS 732.05, 1492-5, 1810-5 OF THE STREETS AND HIGHWAY CODE REQUIRE THAT SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF MY KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE TO INDEMNIFY AND HOLD THE LOCAL GOVERNMENT AGENCIES, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NPDES NOTES

- ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR RAINWATER.
- FUELS, OILS, SOLVENTS, 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 MAY NOT BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSSED OF AS SOLID WASTE.
- TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION FROM RAINWATER OR DISPERSAL BY WIND.
- 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 RIGHT-OF-WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEP UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAINWATER OR OTHER MEANS.
- ANY SLOPES WITH DISTURBED SOILS OR DENUED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND RAINWATER.
- THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES 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):
 - CONTRACTOR WILL NOT USE STRAW IN THE PUBLIC RIGHT-OF-WAY. CATCH BASINS WILL BE PROTECTED BY FABRIC AND GRAVEL BAGS.

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX MAP AND DETAIL PLAN
3	GRADING PLAN

LEGEND	
G.B.	= GRADE BREAK
H.P.	= HIGH POINT
E.P.	= EDGE OF PAVEMENT
W.V.	= WATER VALVE
W.M.	= WATER MAIN
W.W.	= WATER METER
FL	= FLOW LINE
X-IN	= CROSSING
INV.	= INVERT ELEVATION
A.C.	= ASPHALT CONCRETE
B.W.	= BACK OF WALK
BVC	= BEG. VERT. CURVE
EVC	= END VERT. CURVE
ESMT.	= EASEMENT
MB	= MAILBOX
TW	= TOP OF WALL
TF	= TOP OF FOOTING
BW	= BOTTOM OF WALL
(106.02)	= EXIST. ELEVATION
106.02	= PROPOSED ELEVATION
FG	= FINISHED GRADE
FS	= FINISHED SURFACE
TOE	= TOE OF SLOPE
TOP	= TOP OF SLOPE
TC	= TOP OF CURB
OC	= ON CURVE
MOC	= MIDDLE OF CURVE
BVC	= BEG. OF CURVE
ECR	= END OF CURB RETURN
BCR	= BEGINNING OF CURB RETURN
ENR	= END OF CURB RETURN
APR	= ANGLE POINT
TIP.	= TYPICAL
TOG	= TOP OF GRATE
CF	= CURB FACE
SD	= STORM DRAIN
ED	= EDGE OF CUTTER
PP	= POWER POLE
CLF	= CHAIN LINK FENCE
R/W	= RIGHT-OF-WAY
P	= PROPERTY LINE
CL	= CENTERLINE
L.F.	= LINEAR FOOT
SEW.	= SEWER

UTILITY INFORMATION:

OWNER
 CITY OF SAN DIMAS
 245 E. BONITA AVE.
 SAN DIMAS, CA 91773
 TEL: (909) 394-6200

WATER
 GOLDEN STATE WATER
 401 S. SAN DIMAS CANYON ROAD
 SAN DIMAS, CA 91773
 TEL: (909) 592-4271
 CONTACT:

TELEPHONE
 FRONTIER
 1707 INDUSTRIAL AVE.
 LAKEWOOD, CA 90712
 TEL: (714) 837-7853
 CONTACT:

CABLE TELEVISION
 CROWN CASTLE
 2000 CORPORATE DR.
 CANONSBURG, PA 15317
 TEL: (724) 416-2183
 CONTACT:

GAS
 THE GAS COMPANY
 1981 LUGONIA AVE.
 REDLANDS CA, 92374
 TEL: (909) 335-7955
 CONTACT:

ELECTRICITY
 SOUTHERN CALIFORNIA EDISON CO.
 800 W. CIENEGA AVENUE
 SAN DIMAS, CA 91773
 TEL: (909) 215-3248
 CONTACT:

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 RESERVED SYSTEMS
- EC-14 COMPOST BLANKETS
- EC-15 SOIL PREPARATION/ROUGHENING
- EC-16 NON-VEGETATED STABILIZATION

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
- SE-11 ACTIVE TREATMENT SYSTEMS
- SE-12 MANUFACTURED LINEAR SEDIMENT CONTROLS
- SE-13 COMPOST SOCKS AND BERMS
- SE-14 BIOFILTER BAGS

TEMPORARY TRACKING CONTROL BMPS

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- 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 ILLIOT 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 SILT PREVENTION AND CONTROL
- WM-5 SOLID WASTE MANAGEMENT
- WM-6 HAZARDOUS WASTE MANAGEMENT
- WM-7 CONTAMINATED SOIL MANAGEMENT
- WM-8 CONCRETE WASTE MANAGEMENT
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
- WM-10 LIQUID WASTE MANAGEMENT

BENCHMARK	SOILS ENGINEER:		PLAN CHECKED BY:	REVIEWED BY:	APPROVED BY:	PREPARED BY:	CITY OF SAN DIMAS	SHEET
BENCHMARK NO: _____					<STAMP>	<COMPANY NAME>	ADDRESS TRACT NO. XXXXX TITLE SHEET	1 OF XX SHEETS