RECLAMATION GRADING PLANS FOR:
SANTA MARGARITA QUARRY

GENERAL NOTES

THE FOLLOWING NOTES ARE SUPERCEDED BY THE GEOTECHNICAL ATTACHMENTS TO THE RECLAMATION PLAN IN THE EVENT OF CONFLICTS BETWEEN THESE NOTES AND THE RECOMMENDATIONS IN THE ATTACHMENTS.

1. NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO STARTING OF CONSTRUCTION AND OF THE TIME LOCATION OF THE PRECONSTRUCTION CONFERENCE. ANY CONSTRUCTION PERFORMED WITHOUT APPROVED PLANS OR PRIOR NOTIFICATION TO THE DEPARTMENT OF PUBLIC WORKS WILL BE REJECTED AND WILL BE AT THE CONTRACTOR'S AND/OR OWNER'S RISK.
2. FOR ANY CONSTRUCTION PERFORMED THAT IS NOT IN COMPLIANCE WITH PLANS OR PERMITS APPROVED FOR THE PROJECT THE PUBLIC WORKS DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS AND RECOMMEND THAT COUNTY CODE ENFORCEMENT PROVIDE A WRITTEN NOTICE OR STOP WORK ORDER IN ACCORDANCE WITH SECTION 22.52.140 [23.10] OF THE LAND USE ORDINANCE.
3. ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THE MOST CURRENT COUNTY OF SAN LUIS OBISPO PUBLIC IMPROVEMENT STANDARDS AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS.
4. THE PROJECT OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND/OR MAINTAINING ALL WEATHER ACCESS AT ALL TIMES TO EXISTING PROPERTIES LOCATED IN THE VICINITY OF WORK. ADDITIONALLY, THEY SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING SERVICES, INCLUDING UTILITY, GARBAGE COLLECTION, MAIL DISTRIBUTION, ETC., TO ALL EXISTING PROPERTIES LOCATED IN THE VICINITY OF WORK.
5. ON-SITE HAZARDS TO PUBLIC SAFETY SHALL BE SHIELDED BY CONSTRUCTION FENCING. FENCING SHALL BE MAINTAINED BY THE PROJECT OWNER AND CONTRACTOR UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND OCCUPIED, POTENTIAL HAZARDS HAVE BEEN MITIGATED, OR ALTERNATIVE PROTECTIVE MEASURES HAVE BEEN INSTALLED.
6. SOILS TESTS SHALL BE DONE IN ACCORDANCE WITH THE COUNTY PUBLIC IMPROVEMENT STANDARDS, SECTION 3.2.3. ALL TESTS MUST BE MADE WITHIN 15 DAYS PRIOR TO THE PLACING MATERIAL. THE TEST RESULTS SHALL CLEARLY INDICATE THE LOCATION AND SOURCE OF THE MATERIAL.
7. ROADWAY COMPACTION TESTS SHALL BE MADE ON SUBGRADE MATERIAL, AGGREGATE BASE MATERIAL, AND MATERIAL AS SPECIFIED BY THE SOILS ENGINEER. SAID TESTS SHALL BE MADE PRIOR TO THE PLACEMENT OF THE NEXT MATERIAL LIFT.
8. SUBGRADE MATERIAL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 95% IN THE ZONE BETWEEN FINISHED SUBGRADE ELEVATION AND A MINIMUM OF 1-FOOT BELOW. ALL MATERIAL IN FILL SECTIONS BELOW THE ZONE MENTIONED ABOVE SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
9. A REGISTERED CIVIL ENGINEER SHALL CERTIFY THAT THE IMPROVEMENTS WHEN COMPLETED ARE IN ACCORDANCE WITH THE PLANS PRIOR TO THE REQUEST FOR A FINAL INSPECTION. RECORD DRAWINGS SHALL BE PREPARED AFTER CONSTRUCTION IS COMPLETED. THE CIVIL ENGINEER CERTIFYING THE IMPROVEMENTS AND PREPARING AS-BUILT PLANS MAY BE PRESENT WHEN THE FINAL INSPECTION IS MADE BY THE COUNTY.
10. AN ENGINEER OF WORK AGREEMENT AND AN ENGINEER CHECKING AND INSPECTION AGREEMENT ARE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED IN WRITING OF ANY CHANGES TO THE ENGINEER OF WORK AGREEMENT. CONSTRUCTION SHALL NOT PROCEED WITHOUT AN ENGINEER OR WORK.

GRADING NOTES

THE FOLLOWING NOTES ARE SUPERCEDED BY THE GEOTECHNICAL ATTACHMENTS TO THE RECLAMATION PLAN IN THE EVENT OF CONFLICTS BETWEEN THESE NOTES AND THE RECOMMENDATIONS IN THE ATTACHMENTS.

1. ALL GRADING AND RELATED CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND ADOPTED ORDINANCES, CODES, AND STANDARDS OF THE COUNTY OF SAN LUIS OBISPO INCLUDING, BUT NOT LIMITED TO, THE 2010 CALIFORNIA BUILDING CODE (2009 IBC, CA AMENDMENTS), APPENDIX CHAPTER 33, CURRENT EDS., U.B.C., U.P.C., U.M.C., THE 2008 ED. N.E.C., AND L.U.O., C.Z.L.U.O., TITLE 19, TITLE 24, AND STANDARDS PERTAINING THERETO.
2. ALL GRADING SHALL BE INSPECTED BY A REGISTERED SOILS ENGINEER SO THAT THE REQUIRED CERTIFICATION OF GRADING CAN BE SUBMITTED TO THE COUNTY.
3. ALL CONTACT SURFACES BETWEEN ORIGINAL GROUND AND FILL MATERIAL SHALL BE EITHER HORIZONTAL OR VERTICAL. ALL ORGANIC NON-COMPLYING FILL OR UNSTABLE SOIL MATERIAL SHALL BE REMOVED AND THE REMAINING SURFACED SCARIFIED TO A DEPTH OF AT LEAST 12 INCHES UNLESS DEEPER EXCAVATION IS REQUIRED BY THE ENGINEER. AREAS OF FILL SHALL BE BENCHED (PER THE RECOMMENDATIONS OF THE PROJECT SOILS REPORT) PRIOR TO REPLACING FILL AND OBSERVED BY A SOIL OR CIVIL ENGINEER.
4. FILL MATERIAL SHALL BE SPREAD IN LIFTS OF APPROXIMATELY 6 INCHES MOISTENED OR DRIED TO NEAR OPTIMUM MOISTURE CONTENT OR AS RECOMMENDED BY THE PROJECT'S SOILS ENGINEER. THE MATERIALS FOR ENGINEERED FILL SHALL BE APPROVED BY THE SOILS ENGINEER. ANY IMPORTED MATERIALS MUST BE APPROVED BEFORE BEING BROUGHT TO SITE. THE MATERIALS USED SHALL BE FREE OF ORGANIC MATTER AND OTHER DELETERIOUS MATERIALS.
5. COMPACTION AND TESTING SHALL BE PERFORMED AS REQUIRED BY THE PROJECT'S GEOTECHNICAL REPORT OR RECLAMATION PLAN REPORT.
6. ALL ABANDONED UNDERGROUND TANKS, PIPES, CONCRETE, AND OTHER SUCH UNSUITABLE MATERIAL SHALL BE BROUGHT INTO CONFORMANCE WITH LOCAL ABANDONING STANDARDS OR REMOVED FROM THE PROJECT AND TRANSPORTED TO A SUITABLE DISPOSAL SITE. SEPARATE PERMITS SHALL BE OBTAINED PRIOR TO WORK.
7. ALL PERMANENT SLOPES AND DISTURBED AREAS SHALL BE PLANTED FOR EROSION CONTROL WITH APPROVED PERENNIAL VEGETATION WHICH SHALL BE DENSE AND GROWING PRIOR TO FINAL ACCEPTANCE.
8. DURING GRADING AND UNTIL LANDSCAPED IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE DUST CONTROL, BY MAINTAINING APPROPRIATE MOISTURE CONTENT, TO THE SATISFACTION OF THE ENGINEER OF WORK.
9. PROJECT GRADING SHALL TAKE PLACE DURING THE DRY SEASON OF THE YEAR WHICH IS DEFINED AS BETWEEN APRIL 15TH AND OCTOBER 15TH PER SECTION 22.05.036 OF THE COUNTY LAND USE ORDINANCE. IF WORK IS TO BE DONE OR LEFT IN AN UNFINISHED STATE AT ANY TIME SEDIMENTATION AND EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED.
10. WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY GOLDER ASSOCIATES, INC.
11. EXCESS MATERIAL IS TO BE DISPOSED OF OFF-SITE IN AN ACCEPTABLE LOCATION. (FOR WORK WITHIN PUBLIC RIGHT-OF-WAYS)

EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES FOR WIND, WATER, MATERIAL STOCKPILES, AND TRACKING SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE SOURCE CONTROL, INCLUDING PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF ACCESSES, AND PERIMETER CONTAINMENT MEASURES. EROSION CONTROL SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES UNLESS THE PUBLIC WORKS DEPARTMENT DETERMINES TEMPORARY MEASURES TO BE UNNECESSARY BASED UPON LOCATION, SITE CHARACTERISTICS OR TIME OF YEAR. THE INTENT OF EROSION CONTROL MEASURES SHALL BE TO KEEP ALL GENERATED SEDIMENTS FROM ENTERING A SWALE, DRAINAGE WAY, WATERCOURSE, ATMOSPHERE, OR MIGRATE ONTO ADJACENT PROPERTIES OR ONTO THE PUBLIC RIGHT-OF-WAY.
2. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES SHALL BE CONDUCTED AND DOCUMENTED AT ALL TIMES DURING CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.
3. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL MEASURES/DEVICES AS SPECIFIED BY THE APPROVED PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE PUBLIC WORKS DEPARTMENT OR UNTIL RELEASED FROM THE CONDITIONS OF APPROVAL OF THEIR GENERAL PERMIT. EROSION CONTROL MEASURES/DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL MEASURES/DEVICES MAY BE REQUIRED DEPENDING ON THE ACTUAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES/DEVICES SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER OF WORK, COUNTY INSPECTOR, SWPPP MONITOR, OR RWQCB INSPECTOR. GUIDELINES FOR DETERMINING APPROPRIATE EROSION CONTROL DEVICES SHALL BE INCLUDED IN THE PLANS WITH ADDITIONAL MEASURES/DEVICES NOTED FROM THE APPENDIX OF THE PUBLIC IMPROVEMENT STANDARDS.
4. WET WEATHER EROSION CONTROL MEASURES/DEVICES SHALL BE AVAILABLE, INSTALLED, AND/OR APPLIED BETWEEN OCTOBER 15 AND APRIL 15 OR ANYTIME WHEN THE RAIN PROBABILITY EXCEEDS 30%.
5. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE TO REVIEW THE PROJECT SITE PRIOR TO OCTOBER 15 (RAINY SEASON) AND TO COORDINATE AN IMPLEMENTATION PLAN FOR WET WEATHER EROSION CONTROL DEVICES. A LOCALLY BASED STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 THROUGH APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OR MAINTENANCE OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
6. IN THE EVENT OF A FAILURE, THE DEVELOPER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE COUNTY IS REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR COUNTY REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.
7. IN THE EVENT OF FAILURE AND/OR LACK OF PERFORMANCE BY THE OWNER AND/OR CONTRACTOR TO CORRECT EROSION CONTROL RELATED PROBLEMS THE PUBLIC WORKS DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS AND RECOMMEND THAT COUNTY CODE ENFORCEMENT PROVIDE A WRITTEN NOTICE OR STOP WORK ORDER IN ACCORDANCE WITH SECTION 22.52.140 [23.10] OF THE LAND USE ORDINANCE.
8. PERMANENT EROSION CONTROL SHALL BE PLACED AND ESTABLISHED WITH 90% COVERAGE ON ALL DISTURBED SURFACES OTHER THAN PAVED OR GRAVEL SURFACES, PRIOR TO FINAL INSPECTION. PERMANENT EROSION CONTROL SHALL BE FULLY ESTABLISHED PRIOR TO FINAL ACCEPTANCE. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT MEASURES ARE ESTABLISHED.
9. THE COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF-REGULATION OF THESE REQUIREMENTS.
10. ALL PROJECTS INVOLVING SITE DISTURBANCE OF ONE ACRE OR GREATER SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). THE DEVELOPER SHALL SUBMIT A NOTICE OF INTENT (NOI) TO COMPLY WITH THE GENERAL PERMIT FOR CONSTRUCTION ACTIVITY WITH THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB). THE DEVELOPER SHALL PROVIDE THE COUNTY WITH THE WASTE DISCHARGE IDENTIFICATION NUMBER (WDID #) OR WITH VERIFICATION THAT AN EXEMPTION HAS BEEN GRANTED BY RWQCB. WDID NO.: _____
PERSON TO CONTACT 24 HOURS A DAY IN THE EVENT THERE IS AN EROSION CONTROL/SEDIMENTATION PROBLEM (STORM WATER COMPLIANCE OFFICER):

NAME _____ LOCAL PHONE NO: _____

APCD NOTES

AT THE TIME OF APPLICATION FOR SUBDIVISION IMPROVEMENT PLANS AND ANY SUBSEQUENT GRADING PERMITS, THE FOLLOWING AIR POLLUTION CONTROL DISTRICT'S (APCD) STANDARD CONSTRUCTION DUST CONTROL MEASURES SHALL BE PRINTED ON THE GRADING PLANS AND IMPLEMENTED DURING GROUND DISTRUBING ACTIVITIES:

A. REDUCE THE AMOUNT OF THE DISTURBED AREA WHERE POSSIBLE.

B. USE WATER TRUCKS OR SPRINKLER SYSTEM IN SUFFIECIENT QUANTITIES TO PREVENT AIRBOURNE DUST FROM LEAVING THE SITE. INCREASED WATERING FREQUENCY WOULD BE REQUIRED WHENEVER WIND SPEEDS EXCEED 25 MPH. RECLAIMED (NONPOTABLE) WATER SHOULD BE USED WHENEVER POSSIBLE.

C. ALL DIRT STOCKPILE AREAS SHOULD BE SPRAYED DAILY AS NEEDED.

D. PERMANENT DUST CONTROL MEASURES IDENTIFIED IN THE APPROVED PROJECT REVEGETATION AND LANDSCAPE PLANS SHOULD BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF ANY SOIL DISTURBING ACTIVITIES.

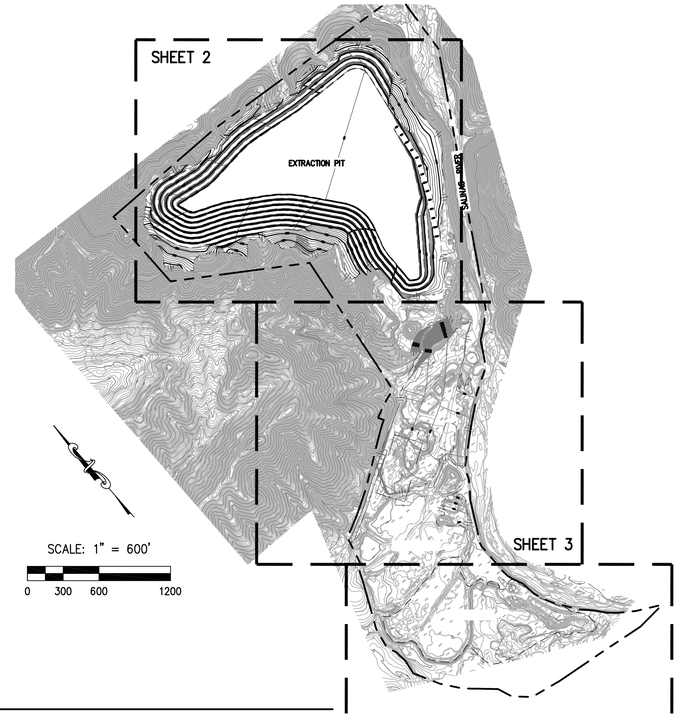
E. EXPOSED GROUND AREAS THAT ARE PLANNED TO BE REWORKED AT DATES GREATER THAT ONE MONTH AFTER INITIAL GRADING SHOULD BE SOWN WITH A FAST-GERMINATING NATIVE GRASS SEED AND WATERED UNTIL VEGETATION IS ESTABLISHED.

F. ALL DISTURBED SOIL AREAS NOT SUBJECT TO REVEGETATION SHOULD BE STABILIZED USING APPROVED CHEMICAL SOIL BINDERS, JUTE NETTING, OR OTHER METHODS APPROVED IN ADVANCE BY THE APCD.

G. ALL ROADWAYS, DRIVEWAYS, SIDEWALKS, ETC. TO BE PAVED SHOULD BE COMPLETED AS SOON AS POSSIBLE. IN ADDITION, BUILDING PADS SHOULD BE LAID AS SOON AS POSSIBLE AFTER GRADING UNLESS SEEDING OR SOIL BINDERS ARE USED.

H. VEHICLE SPEED FOR ALL CONSTRUCTION BEHICLES SHALL NOT EXCEED 15 MPH ON ANY UNPAVED SURFACE AT THE COSNTRUCTION SITE.

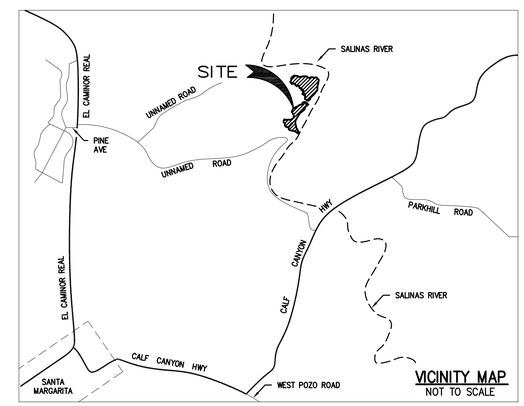
I. ALL TRUCKS HAULING DIRT, SAND, SOIL, OR OTHER LOOSE MATERIAL ARE TO BE COVERED OR SHOULD MAINTAIN AT LEAST TWO FEED OF FREEBOARD (MINIMUM VERTICAL DISTANCE BETWEEN TOP OF LOAD AND THE TOP OF THE TRAILER) IN ACCORDANCE WITH CVC SECTION 23114.



SHEET 4

LEGEND

	RECLAMATION PLAN BOUNDARY
1000	PROPOSED CONTOUR
	PROPOSED DITCH PER PLAN
	PROPOSED 36" CMP HALF PIPE DOWN DRAIN PER PLAN
	DIRECTION OF DRAINAGE
	PROPOSED DAYLIGHT
	PROPOSED BENCH
	PROPOSED RIPRAP PAD
	APPROX. LOCATION OF PROPOSED CONVEYOR
XXX.X FL	FLOW LINE ELEVATION OF BENCH DITCH / DOWN DRAIN
XXX.X FG	FINISHED GRADE ELEVATION



VICINITY MAP
NOT TO SCALE

SURVEY NOTES

1. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983, CORS 1996 ADJUSTMENT [NAD83(CORS96)], EPOCH DATE OF 2002.0000.
2. THE PROJECTION USED IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 5 PROJECTION.
3. THIS SURVEY TIED TO 3 NATIONAL GEODETIC SURVEY (NGS) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THOSE STATIONS ARE THE NGS POINTS DESIGNATED "P280", HAVING A PUBLISHED POSITION OF: NORTHING 2,392,488.93', EASTING 5,863,297.17'; AND "P295", HAVING A PUBLISHED POSITION OF: NORTHING 2,451,971.16', EASTING 5,717,719.86' AND "P523". THE RESULTING BEARING FROM "P295" TO "P280" BEING: S 67°46'31" E. THE BEARINGS SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 5 GRID NORTH. .
4. ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GRID DISTANCES OF THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 5 PROJECTION. THE COMBINED SCALE FACTOR FOR THE PROJECT IS 0.99993133. DIVIDE THE DISTANCES HEREON BY THE COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES. ALL DISTANCES SHOWN ARE U.S. SURVEY FEET
5. THE CONVERGENCE ANGLE IS: -1°28'00" AT PT. NO. 50.
6. THE ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE BENCHMARK FOR THIS SURVEY IS FOUND VERTICAL ORDER FIRST CLASS I BM FV0167, ELEVATION = 963.70 FEET. BENCHMARK IS LOCATED ON TOP OF THE SOUTH END OF THE EAST ABUTMENT OF THE LINDEN AVENUE BRIDGE OVER SANTA MARGARITA CREEK.
7. TOPOGRAPHIC MAPPING SHOWN HEREON WAS PROVIDED TO WALLACE GROUP BY LEHIGH-HANSON ON JANUARY 17, 2012. OUR UNDERSTANDING IS THAT THE MAPPING WAS PREPARED AROUND 2006 BY ANOTHER FIRM.

SWPPP NOTES

WDID No.

GEOTECHNICAL NOTES

THE "GEOTECHNICAL INVESTIGATION AND DESIGN RECOMMENDATIONS" REPORT PREPARED BY GOLDER ASSOCIATES, INC. ON JUNE 2012 (PROJECT 073-97199) IS HEREBY MADE A PART OF THESE PLANS. ALL RECOMMENDATIONS OF THAT REPORT SHALL BE ADHERED TO INCLUDING ANY SUPPLEMENTAL DATA MADE AVAILABLE AT THE TIME OF CONSTRUCTION.

THESE PLANS HAVE BEEN REVIEWED BY ME AND ARE CONSISTENT WITH THE RECOMMENDATIONS MADE IN THE REFERENCED REPORT.

REVIEWED FOR GRADING

_____

SOILS ENGINEER DATE

SHEET INDEX

SHEET 1	COVER SHEET AND NOTES
SHEET 2	GRADING PLAN
SHEET 3	GRADING PLAN & SITE CROSS-SECTIONS
SHEET 4	GRADING PLAN
SHEET 5	SITE CROSS-SECTIONS
SHEET 6	SITE CROSS-SECTIONS

811 Know what's below. Call 811 before you dig.

DIGALERT NOTES

CONSTRUCTION CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE AT 811 OR (800) 227-2600 AT LEAST 24 HOURS BEFORE BEGINNING EXCAVATION AND SHALL VERIFY THE LOCATION OF ANY KNOWN UTILITIES, AND WHETHER OR NOT A REPRESENTATIVE OF EACH COMPANY WILL BE PRESENT DURING EXCAVATION. CONTRACTOR SHALL REMOVE OR RELOCATE FACILITIES, AS NEEDED, FOLLOWING APPROVAL BY THE APPROPRIATE UTILITY COMPANY, HANSON AGGREGATES MID-PACIFIC, AND THE ENGINEER-OF-WORK.

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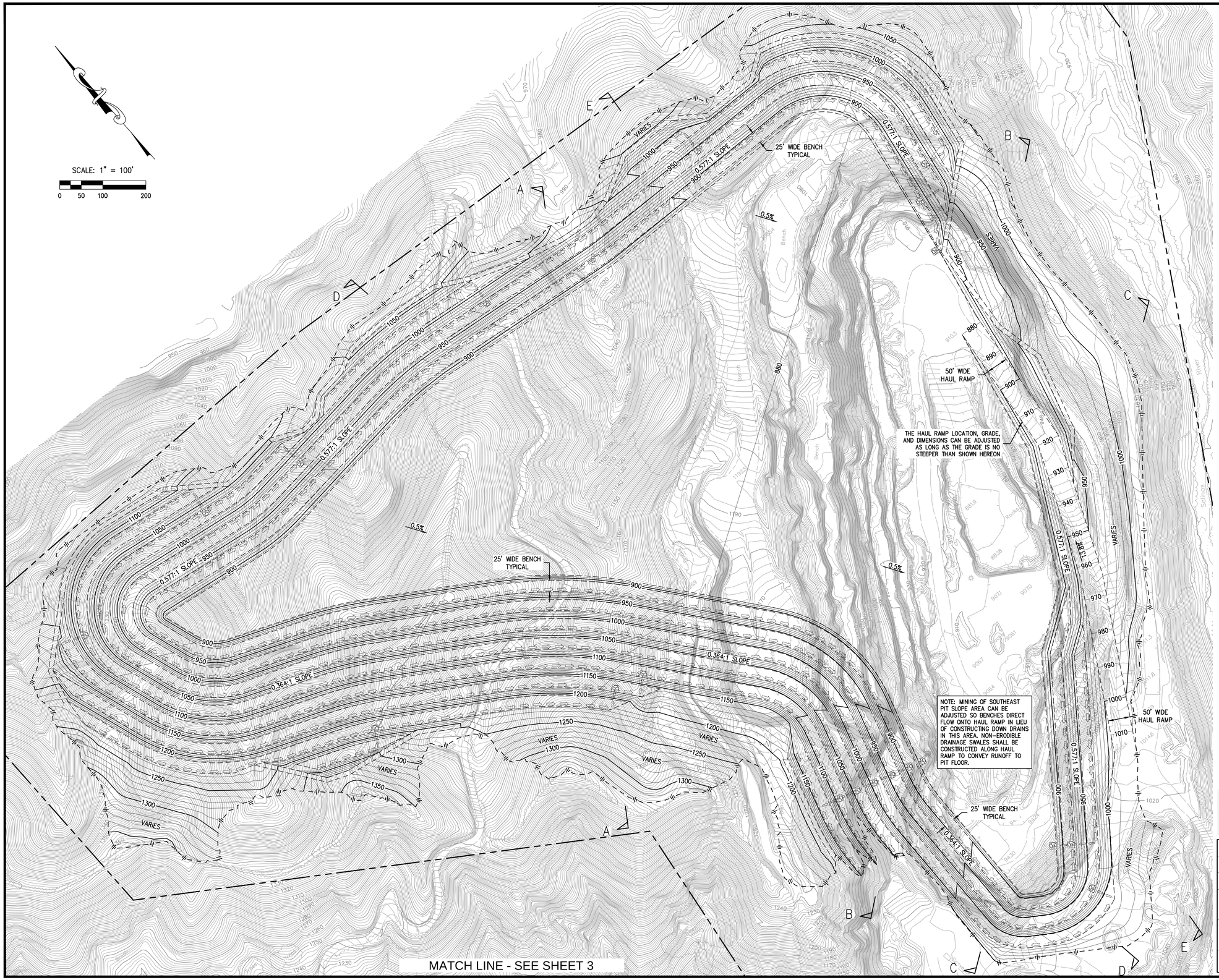
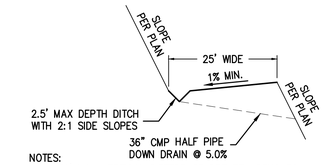
RECORD DRAWINGS
"Engineer's Name and Registration No." DATE
REVISIONS THIS SHEET:
1. 2. 3. 4. 5.

CHANG CONSULTANTS
GRADING PLANS FOR:
SANTA MARGARITA QUARRY
COVER SHEET

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS Development Services Engineer Date	
Job No.	County W.O. No.	"Engineer's Name and Registration Number" Date	
California Coordinates		County Post Miles / County Road No.	Sheet 1 Of 6

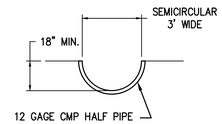
PRELIMINARY MARCH 3, 2013





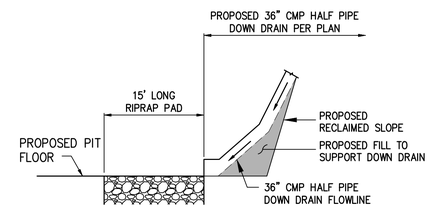
NOTES:
1. 50' MAX VERTICAL DIFFERENCE BETWEEN BENCHES
2. DITCHES TO BE AT 1% MINIMUM SLOPE
3. DOWN DRAINS TO BE SEMICIRCULAR PER DETAIL BELOW

DETAIL: TYP. 25' WIDE BENCH
NOT TO SCALE

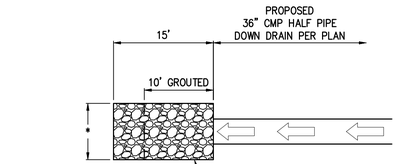


NOTE: DOWN DRAINS TO BE ANCHORED TO SLOPE USING CALTRANS DOWN DRAIN ANCHORS OR EQUIVALENT

DETAIL: 36" CMP DOWN DRAIN
NOT TO SCALE



DETAIL: 36" CMP DOWN DRAIN ONTO RIPRAP
NOT TO SCALE



* WIDTH OF RIPRAP PAD TO BE 10' OR THREE TIMES WIDTH OF EXISTING DOWN DRAIN, WHICHEVER IS GREATER.

DETAIL: DOWN DRAIN RIPRAP
NOT TO SCALE

RECORD DRAWINGS

"Engineer's Name and Registration No." DATE
REVISIONS THIS SHEET:
1
2
3
4
5

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CHANG CONSULTANTS

GRADING PLANS FOR:

SANTA MARGARITA QUARRY

GRADING PLAN

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS	
		Development Services Engineer	Date
Job No.	County W.O. No.		
		"Engineer's Name and Registration Number"	Date
California Coordinates		County Post Miles / County Road No.	Sheet 2 Of 6

PRELIMINARY March 3, 2013

MATCH LINE - SEE SHEET 2

EXISTING ACCESS ROAD TO REMAIN

GRADE AREA SURROUNDING EXISTNG PONDS AS NECESSARY TO DRAIN INTO PONDS

966.9 FG

968.0 FG

969.1 FG

972.0 FG

980.1 FG

974.7 FG

974.0 FG

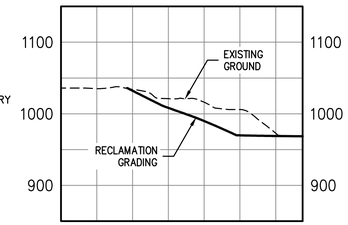
974.9 FG

976.8 FG

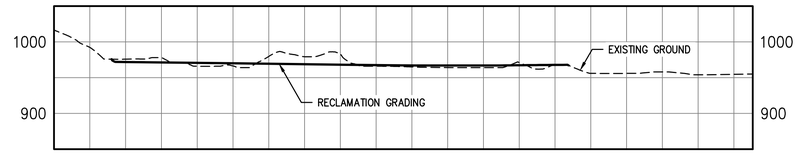
APPROXIMATE LOCATION OF EXISTING ASPHALT PLANT

NOTE: SPOT GRADING SHALL BE PERFORMED TO ELIMINATE ARTIFICIAL PILES, MOUNDS, AND PITS IN THIS AREA IN ORDER TO ACHIEVE PROPER FLOW PATTERNS

MATCH LINE - SEE SHEET 4



SECTION F-F
SCALE: HORIZ.=1"=100 VERT.=1"=100



SECTION G-G
SCALE: HORIZ.=1"=100 VERT.=1"=100

SCALE: 1" = 100'

0 50 100 200

RECORD DRAWINGS

"Engineer's Name and Registration No." DATE
REVISIONS THIS SHEET:
1.
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5.
6.

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CHANG CONSULTANTS

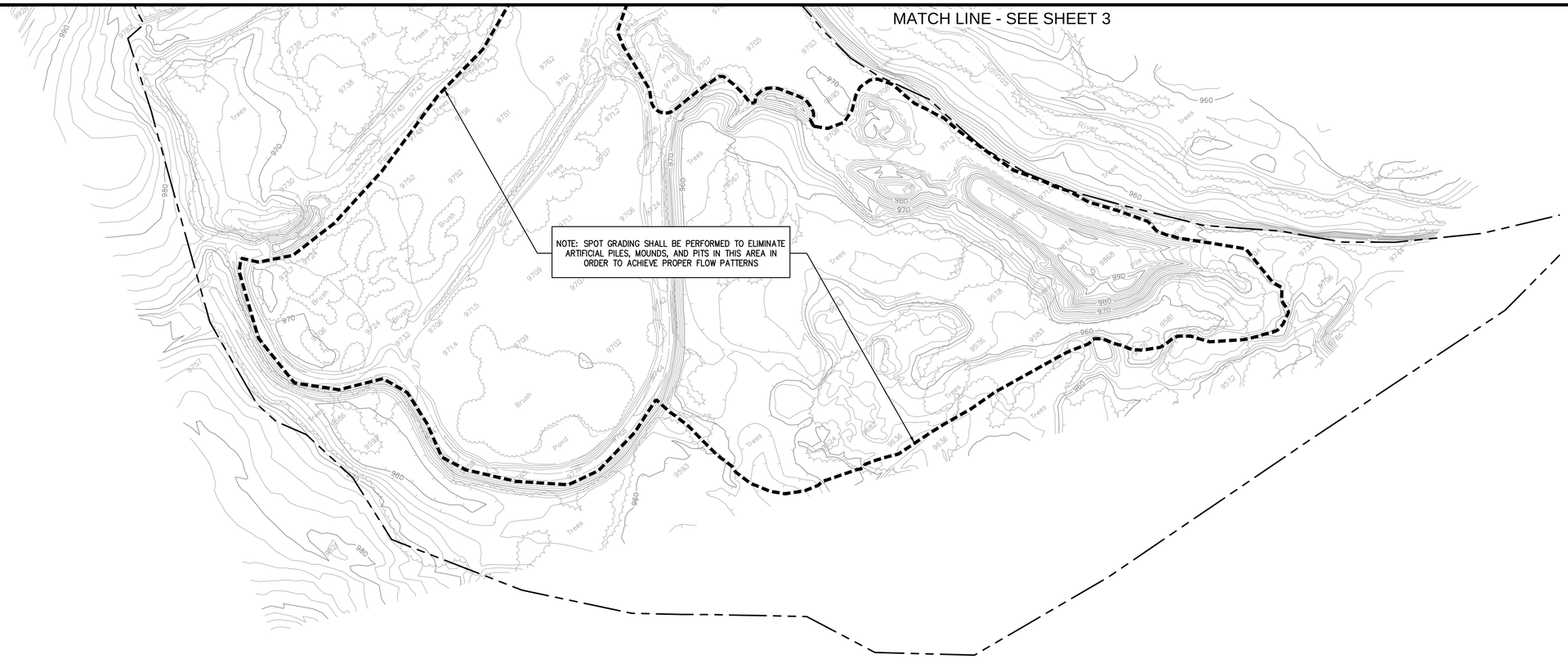
GRADING PLANS FOR:

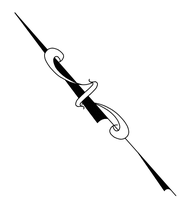
SANTA MARGARITA QUARRY

GRADING PLAN & SITE CROSS-SECTIONS

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS	
		Development Services Engineer	Date
Job No.	County W.O. No.		
		"Engineer's Name and Registration Number"	Date
California Coordinates		County Post Miles / County Road No.	Sheet 3 Of 6

PRELIMINARY March 3, 2013





SCALE: 1" = 100'

0 50 100 200

RECORD DRAWINGS

"Engineer's Name and Registration No." DATE

REVISIONS THIS SHEET:

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5.

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CHANG CONSULTANTS

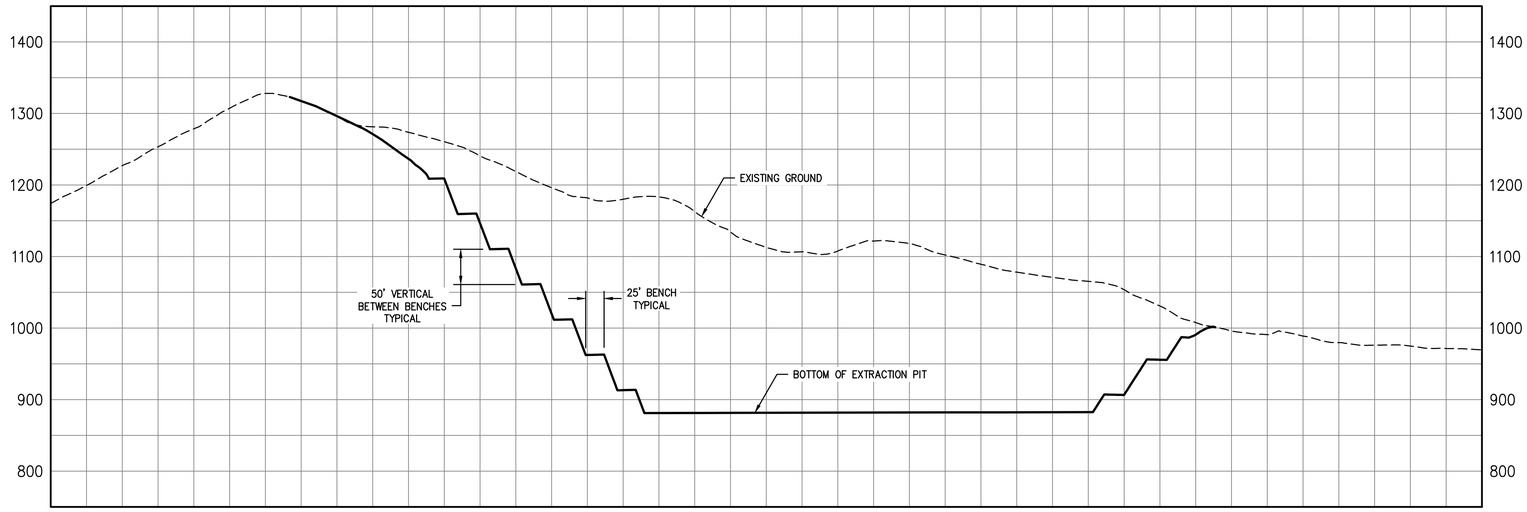
GRADING PLANS FOR:

SANTA MARGARITA QUARRY

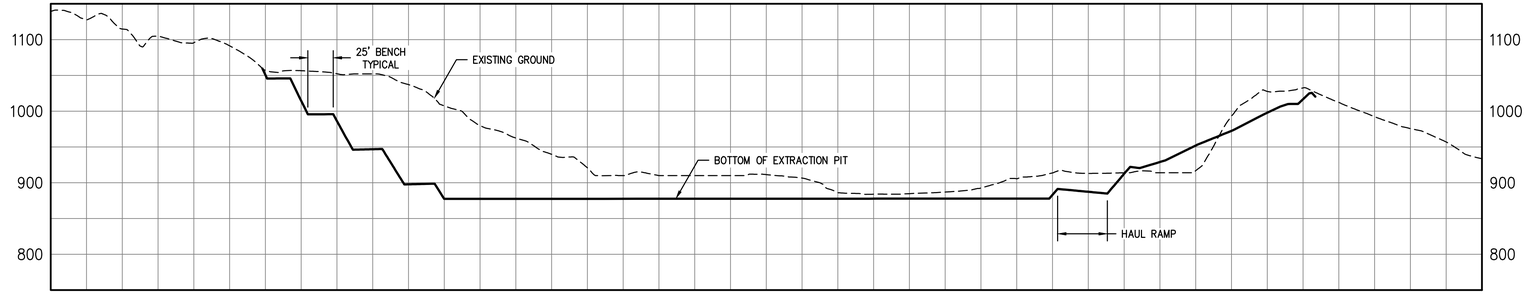
GRADING PLAN

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS Development Services Engineer — Date	
Job No.	County W.O. No.	"Engineer's Name and Registration Number" — Date	
California Coordinates	County Post Miles	County Road No.	Sheet 4 Of 6

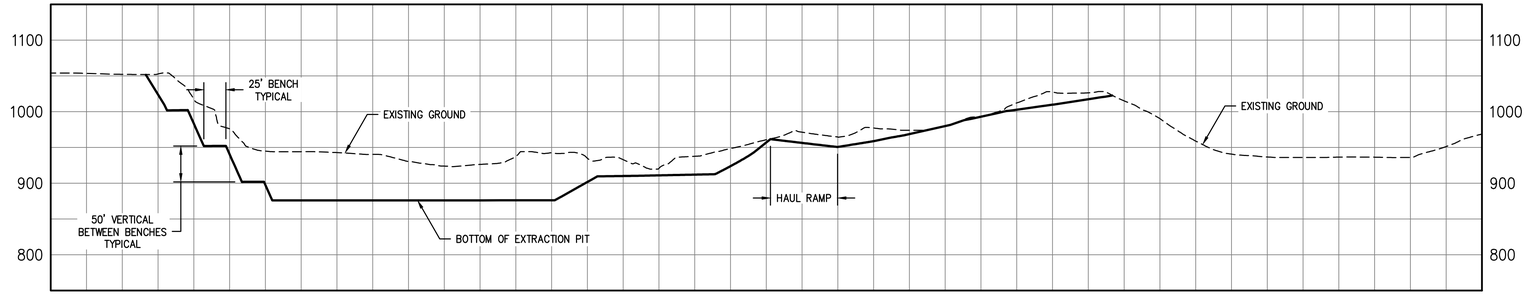
PRELIMINARY March 3, 2013



SECTION A–A
SCALE: HORIZ.=1"=100 VERT.=1"=100



SECTION B–B
SCALE: HORIZ.=1"=100 VERT.=1"=100



SECTION C–C
SCALE: HORIZ.=1"=100 VERT.=1"=100

RECORD DRAWINGS

"Engineer's Name and Registration No." DATE
REVISIONS THIS SHEET:
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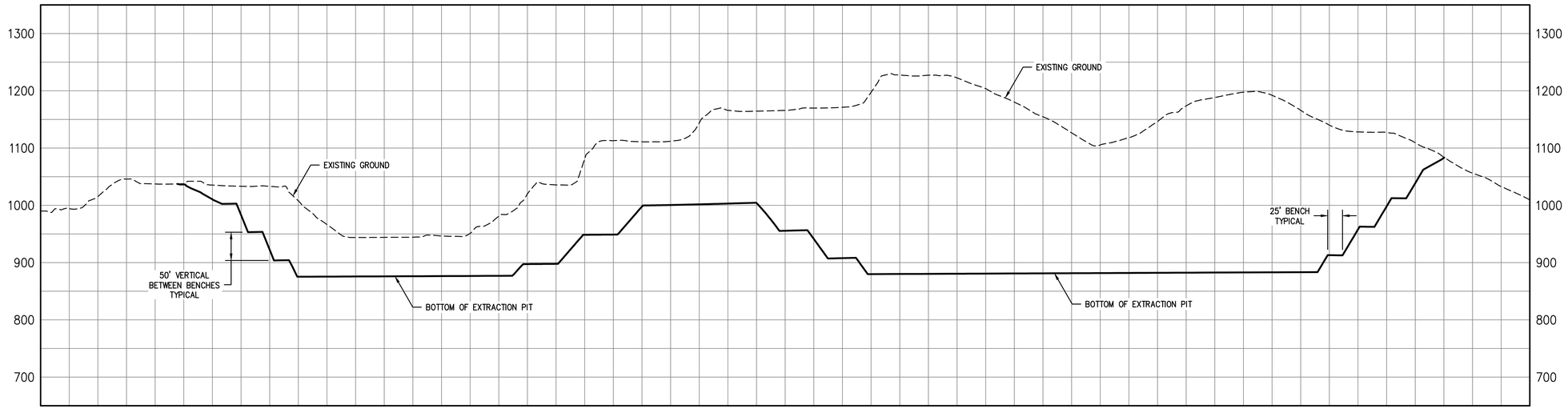
GRADING PLANS FOR:

SANTA MARGARITA QUARRY

SITE CROSS-SECTIONS

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS Development Services Engineer Date	
Job No.	County W.O. No.	"Engineer's Name and Registration Number" Date	
California Coordinates		County Post Miles	County Road No.	Sheet 5 Of 6

PRELIMINARY March 3, 2013



SECTION D–D
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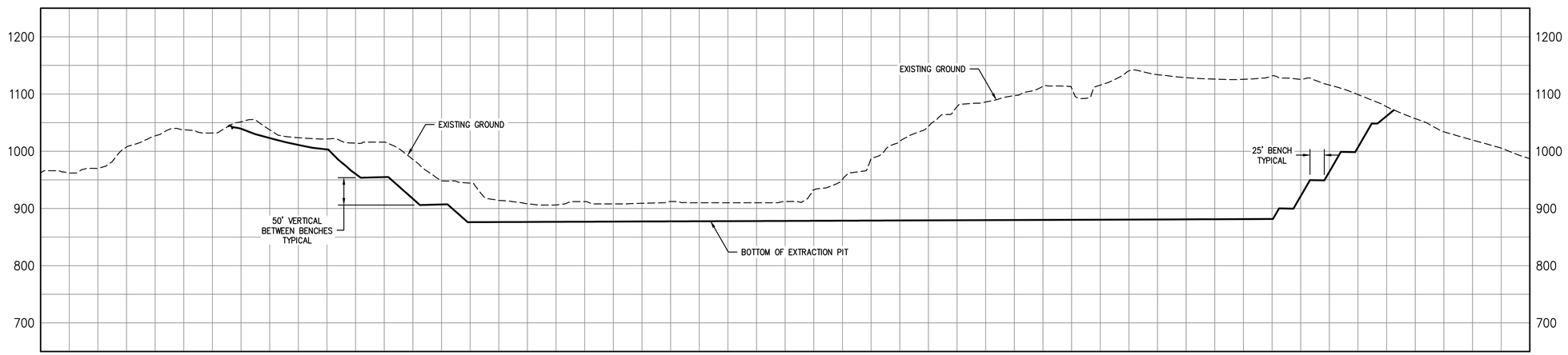

SECTION E–E
SCALE: HORIZ.=1"=100 VERT.=1"=100

RECORD DRAWINGS

"Engineer's Name and Registration No."
DATE
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SANTA MARGARITA QUARRY

SITE CROSS-SECTIONS

Design/Drawn	County Plan Checker	APPROVED FOR COUNTY REQUIREMENTS Development Services Engineer — Date	
Job No.	County W.O. No.	"Engineer's Name and Registration Number" — Date	
California Coordinates		County Post Miles / County Road No.	Sheet 6 Of 6

PRELIMINARY March 3, 2013