



QUARRY EXCAVATION

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
 1810 E. HAZELTON AVENUE, STOCKTON CA 95205
 BUSINESS PHONE: (209) 468-3121
 Business Hours: 8:00 a.m. to 5:00 p.m. (Monday through Friday)

APPLICATION PROCESSING STEPS

STEP 1	CHECK WITH STAFF - Development Services Staff will explain the requirements and procedures to you.
STEP 2	<p>SUBMIT YOUR APPLICATION - When you apply, file all of the following:</p> <ul style="list-style-type: none"> • FEE The staff will let you know the current cost of filing an application. Make checks payable to the San Joaquin County Treasurer. • FORM Seven (7) copies of the completed application information forms (attached) which all owners must sign. • RECLAMATION PLAN Seven (7) copies of a written Reclamation Plan. • RECLAMATION SITE PLAN One (1) reproducible copy and ten (10) copies of a reclamation site plan (example attached) and two (2) copies of a legible 8 ½" x 11" site plan. The site plan must be prepared and certified by a registered civil engineer, licensed land surveyor, or soils engineer. • HAZARDOUS MATERIALS One copy of a completed Hazardous Materials Disclosure Survey form (a copy of the form is attached). • DEED One copy of the recorded deed(s) or short form lease for the property. • APPLICATION COMPLETE Staff will check your application. If anything is missing, you will be notified in writing. (<u>Your application cannot be processed until it is complete.</u>)
STEP 3	APPLICATION PROCESSING
<ul style="list-style-type: none"> • PREAPPLICATION CONFERENCE • CEQA • REFERRALS AND ACTION • FINAL ACTION 	<p>A preapplication conference may be required depending on the size, location and complexity of your project. Check with the staff to see if a preapplication conference will be required prior to submitting a full application.</p> <p>The County will decide if the proposal will have an adverse effect on the environment. If there are no adverse effects, the application will be processed. If there are potential adverse effects, further environmental review will be required. Projects that have the potential to adversely affect the environment will require the preparation of an E.I.R. This may extend the processing time.</p> <p>Staff will refer the application to any County departments, other agencies and surrounding property owners affected by your proposal. At the end of a review and comment period a staff report will be prepared and the Planning Commission will hold a public hearing. If the Commission can make the required findings, the application will be approved.</p> <p>The action of the Commission is final unless it is appealed to the Board of Supervisors. For further information on the length of the appeal period, contact the staff.</p>
STEP 4	CONDITIONS AND ADDITIONAL PERMITS
<ul style="list-style-type: none"> • CONDITIONS • IMPROVEMENT • DRIVEWAY PERMITS • SANITATION & WELL PERMITS • BUILDING PERMITS • OTHER PERMITS 	<p>The staff will send you the final action. If the application is approved, this notice will list conditions, by department, that must be met before you can start your project.</p> <p>In addition to the Reclamation Site Plan, an <u>Improvement Plan</u> will be required as a condition of approval. This is an engineered plan showing drainage, grading, frontage improvements, access, on- and off-site service and utility facilities, landscaping and circulation/parking details.</p> <p>Driveway Permits must be acquired from the Public Works Department for any work performed within the road right of way. If the project fronts on a state highway these permits are obtained from Caltrans.</p> <p>Projects that will utilize new on-site sanitation disposal and/or on-site wells, must get permits from the Environmental Health Division.</p> <p>If the project involves construction a building permit must be approved prior to commencement of work.</p> <p>Frequently other local, state and/or federal agencies will require permits prior to new uses being established (e.g. State Division of Mines and Geology, Air Pollution Control District, Regional Water Quality Control Board or the Sheriff's Office). The Development Services Division will identify additional permits we are aware of that may be required for your project.</p>



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TO BE COMPLETED BY THE APPLICANT PRIOR TO FILING THE APPLICATION

Owner Information	Applicant Information
Name:	Name:
Address:	Address:
Phone:	Phone:

PROPERTY AND VICINITY DESCRIPTION

Property Information

Assessor Parcel Number(s)	Property Size	Number of Parcels	Project Size	Williamson Act Contract
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Property Address:

Existing Land Uses

On-Site Uses (Include Ag Crops):

Uses to the North:

Uses to the East:

Uses to the South:

Uses to the West:

SITE IMPROVEMENTS AND SERVICES

Water

Public Water	Service Provider	Annex-Formation Required	Distance to Public Water (Feet)
Proposed <input type="checkbox"/>			
Existing <input type="checkbox"/>			
Private Water <input type="checkbox"/>	Existing Well <input type="checkbox"/>	New Well <input type="checkbox"/>	Well Replacement <input type="checkbox"/>

Sewage Disposal

Public Sewage Disposal	Service Provider	Annex-Formation Required	Distance to Public Sewer Facility
Proposed <input type="checkbox"/>			
Existing <input type="checkbox"/>			
On-site Sewage Disposal <input type="checkbox"/>	Existing Septic System <input type="checkbox"/>	New Septic System <input type="checkbox"/>	Other <input type="checkbox"/>

Storm Drainage

Public Storm Drainage	Service Provider (if Public)	Annex-Formation Required	Terminal Drainage to:	Retention-Retention Ponds
Proposed <input type="checkbox"/>				
Existing <input type="checkbox"/>				
Private Storm Drainage <input type="checkbox"/>	On-site Retention Pond(s) <input type="checkbox"/>	Natural Drainage/No Change <input type="checkbox"/>	Other <input type="checkbox"/>	



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Surface Transportation Assistance Act (STAA) trucks

Will STAA type trucks, over California Legal length, be used as part of the proposed operation?

Yes (if yes, the applicant must provide a letter requesting designation of the proposed facility as an STAA terminal.)

No

AUTHORIZATION SIGNATURES

**OWNER, OPERATOR AND APPLICANT INFORMATION AND SIGNATURES
ONLY THE OWNER OF THE PROPERTY OR AN AUTHORIZED AGENT MAY FILE AN APPLICATION.**

Property owner(s) or owners of surface rights (list all owners)

Name:	Address:	Phone:
Signature:		Date:
Name:	Address:	Phone:
Signature:		Date:
Name:	Address:	Phone:
Signature:		Date:
Name:	Address:	Phone:
Signature:		Date:
Name:	Address:	Phone:
Signature:		Date:

Note: All Legal owners of the property(s) involved in this project or their legal agents must sign the application thereby verifying that the statements contained in the application are true and correct. If a legal agent signs the application on behalf of the property owner, written consent by the owner must accompany the application.

Owners of mineral rights

Name:	Address:	Phone:
Name:	Address:	Phone:

Operator

Name:	Address:	Phone:
Name:	Address:	Phone:

Agent of process (person designated by operator as agent for the service process)

Name:	Address:	Phone:
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REQUIREMENTS AND STANDARDS

The following requirements must be met by any approved Quarry Excavation:

- **Setbacks:** No excavation shall take place within twenty-five (25) feet of any property line or right of way (nor within the allowed slopes adjacent to said twenty-five (25) foot setback), unless the elevation prior to excavation is more than that of the abutting property, in which case the elevation within said twenty-five (25) foot setback shall at no time be less than that of the abutting property, at the property line.
- **Slopes:** For a complete discussion on slope requirements, see the San Joaquin County Development Title.
- **Water Disposal:** All water utilized in the plant operation must be disposed of behind a closed dike. (Note: An alternative method of water disposal can be approved by the Planning Commission.)
- **Stockpiling:** Stockpiled soil or material cannot be stored within 25 feet of a property boundary.
- **Roads and Dust:** Private roads involved in the excavation must be maintained so as to control the creation of dust. The first 100 feet of any private road on the property which intersects with a publicly maintained road must be surfaced in a manner approved by the agency responsible for the maintenance of the public road. Traffic control and warning signs are required at the intersection. The placement, size and wording of these signs must be approved by the agency responsible for the maintenance of the public road. (Note: This requirement may be modified by including specifics on the type of surfacing, location of signs, etc.)
- **Hours of Operation:** Excavation operations shall not be carried on during the hours from 9:00 p.m. through 5:00 a.m., except during periods of declared national, state or local emergency. Said hours are based on either Pacific Standard Time or Pacific Daylight Saving Time, whichever is legally in effect. (Note: The hours of operation may be modified by the Planning Commission based upon the excavation's potential effect on surrounding land uses.
- **Lighting:** Any night lighting established on the property must be arranged and controlled so as not to illuminate or cause any glare onto public rights-of-way or adjacent properties.
- **Air Pollution Control:** All emissions are subject to the rules and regulations of the San Joaquin County Air Pollution Control District.
- **Topsoil Replacement:** During the excavation, the topsoil must be set aside. Upon completion of an excavation, the topsoil shall be replaced and the site leveled in conformance with the Reclamation Plan. (Note: This requirement may be waived for excavations in nonagricultural areas, or if: 1) the property is to be reclaimed for a use other than agriculture, and that use is consistent with the General Plan, or 2) a soils report indicates the replacement of the topsoil will not enhance the agricultural suitability of the property. In such cases, the topsoil may be removed from the site.)
- **Weed Control:** Operations shall be in accordance with instructions from the Agricultural Commissioner to control the spread of noxious weeds.
- **Health and Vector Control:** The excavation must not cause health or sanitary hazards and shall not create conditions which will cause the breeding or increase of mosquitoes, rodents or other pests.
- **Noise and Vibration:** The operating practices utilized must minimize noise, vibration, dust and unsightliness.
- **Fencing:** Fencing four feet in height consisting of not less than three strands of barbed wire shall be placed around the excavation area. (Note: This can be modified by an approved equivalent fence. This condition is required where slopes greater than two feet horizontal to one foot vertical (2:1) are created. If the slopes are close to residential areas or other concentrations of people, the condition is changed to a six foot security fence.
- **Reclamation:** The reclamation of each phase shall be completed in conformance with the reclamation plan within two years of completion of the extraction portion of that phase. (Note: Reclamation shall be completed as soon as feasible. The schedule for reclamation will be a part of the approval of the excavation. It will define each phase of the excavation. The phases may be based on the sequence in which individual areas are to be excavated and reclaimed, or on the sequence in which various operations are to be carried out on each area of the excavation. In either case, the reclamation schedule shall clearly state the operations to be carried out in each area during each phase.)
- **Revegetation:** Protective vegetative planting is required where it is necessary to control erosion or for the retention of scenic value. (Note: This requirement should specify the actual types of planting and location, whenever possible.)
- **Annual Inspection:** The applicant must pay a fee to the County to cover the cost of an annual inspection of the excavation to assure compliance with the provisions of the permit.
- **Landscaping:** Landscaping may be required to screen the excavation from adjacent areas. The applicant should include any proposed landscaping in the application submittal.
- **Performance Guarantee:** A specific condition on performance guarantee is required to ensure reclamation of the site and compliance with conditions of approval. The amount of the guarantee is and will be fully in force during the life of the permit. The estimated cost of reclaiming the site shall be reviewed annually by the Development Services Division. The type of financial guarantee proposed by the applicant under this Section must be found acceptable by County Counsel. The financial guarantee shall be made payable to "San Joaquin County or the Department of Conservation". The type of financial guarantee shall be one of the following:
 - a) Surety bond,
 - b) Irrevocable letters of credit,
 - c) Trust fund.



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RECLAMATION PLAN GENERAL INSTRUCTIONS

Introduction

The California Surface Mining and Reclamation Act (SMARA) requires that mining applicants submit a reclamation plan to, and receive approval of the plan by, San Joaquin County prior to commencement of operations. SMARA defines reclamation as "...the combined process of land treatment that minimizes water degradation, air pollution, damage to aquatic or wildlife habitat, flooding, erosion, and other adverse effects from surface mining operations, including adverse surface effects incidental to underground mines, so that mined lands are reclaimed to a usable condition which is readily adaptable for alternate land uses and create no danger to public health and safety." The statute goes on to explain that "The reclamation plan shall be applicable to a specific piece of property or properties, and shall be based upon the character of the surrounding area and such characteristics of the property as type of overburden, soil stability, topography, geology, climate, stream characteristics, and principal mineral commodities."

A reclamation plan represents a legal commitment by the applicant. The plan should clearly describe how reclamation will be accomplished in terms that can be easily understood. Deviations from the approved plan must not be undertaken until such amendment has been filed with, and approved by, the Community Development Department.

General Instructions

When preparing a reclamation plan, it is important to provide the County and other agencies with adequate information to review the proposal. The reclamation plan should describe how potential adverse environmental impacts will be prevented or minimized and how the mined lands will be successfully reclaimed to a useable condition which is readily adaptable for alternative land uses. By providing adequate information initially, applicants can lessen the chance of requests for additional information that will slow the approval process.

SMARA requires that a reclamation plan include:

- (1) a description of the environmental setting of the proposed operation,
- (2) a description of the proposed mining plan, and
- (3) a plan for reclaiming the site.

SECTION I: DESCRIPTION OF ENVIRONMENTAL SETTING

Include a description of the environmental setting of the proposed mining operation. Describe the environmental conditions of the area prior to mining in sufficient detail to permit the impacts of the proposed mining operation to be assessed. Please refer to the attached checklist for developing a description of the environmental setting (use the outline format for easy reference.)

SECTION II: DESCRIPTION OF PROPOSED MINING OPERATION

Include a description of the proposed surface mining operation. Sufficient detail should be provided to permit the environmental impacts of the proposed mining operation to be assessed. Please refer to the attached checklist for developing a description of the mining operation.

SECTION III: DESCRIPTION OF PROPOSED RECLAMATION

Include a description of how adverse environmental impacts will be prevented or minimized and the manner in which reclamation, adequate for the proposed use or potential uses, will be accomplished. Please refer to the attached checklist for developing a reclamation plan. Conditions of approval imposed by the administering agency should become part of the reclamation plan by incorporation or attachment.

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Deviations from the approved reclamation plan shall not be undertaken until an amendment has been filed with, and approved by, the Community Development Department. Any successor or assignees in interest of a surface mining operation are required to assume responsibility for meeting the terms of the approved reclamation plan.
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RECLAMATION PLAN CHECKLIST

The following checklist was designed to be used as a tool for developing a reclamation plan in compliance with SMARA. The checklist is intended to encourage coordination between applicants and review agencies in the identification of site specific issues prior to the development of a reclamation plan. Identifying and addressing pertinent issues in the preparation stage will minimize delays later on in the approval process.

The determination of which issues should be addressed in the reclamation plan for a specific site should be based on the size of the proposed operation, its potential environmental impacts, and the proposed end use of the site. Those items marked with an "X" are required by specific statutory language. Other items should not be considered as mandatory but may be required by the County, depending on site specific circumstances. More or less information maybe required, depending on the specific operation, agency requirements, and local ordinances. Check with Development Services staff to determine which items should be included.

I. **DESCRIPTION OF ENVIRONMENTAL SETTING¹:** The purpose of this section is to document the conditions at the proposed site prior to mining. The lead agency will use the information provided in this section to identify potential adverse environmental impacts of the proposed mining operation.

A. Maps

Site Access: Provide a road map which clearly shows how to get to the site from the nearest town.

Topographic Map²: This map is necessary to establish the location and regional setting of the mine site. The map should portray elevation contours, natural ground slopes, drainage patterns, and other topographic features of the mine site and its surrounding region within one mile of the mine site. Use U. S. Geological Survey 7-½ or 15 minute maps, which are the most accurate and useful.

B. Geology³:

1. Provide a description of the general geology of the area and a detailed description of the area in which mining is to be conducted. The information will be used to assess potential adverse environmental impacts. Specifically, the geologic description should include:

a. a description of geologic setting,

b. a geologic map indicating known stratigraphy, structure, and fault systems of the ore deposit and in the location of proposed ancillary facilities adequate to assess the stability of proposed slopes, dams, tailings facilities, etc.,

c. an assessment of the seismologic stability of the affected area adequate to assess the safety of proposed slopes and ancillary facilities.

d. a discussion of the ore body, including the mineralogic and chemical nature of the ore and waste rock adequate to assess acid drainage potential or other potential sources of surface or groundwater contamination,

e. geologic cross section(s) in the location of proposed slopes, dams, tailings facilities, etc. adequate to assess potential stability problems,

f. any other geological information requested by the administering agency.

C. Hydrology:

1. Describe surface and ground water resources. The description may include:

a. evidence of contact with the State Water Resources Control Board and the Regional Water Quality Control Board regarding possible permitting requirements (most of the concerns relating to the discharge of mine waste can be satisfied by appending the report of waste discharge and waste discharge permit to the reclamation plan),



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RECLAMATION PLAN CHECKLIST - CONTINUED

- b. flow estimates of watersheds that will be disturbed by or have a potential to impact the proposed mining operation),
 - c. a description of land and water uses in affected watersheds that may be impacted by the proposed mining operation including a hydrologic inventory of wells and springs in affected areas,
 - d. an assessment of potential impacts to the ground water regime in the affected area,
 - e. a map showing the relationship between the water table (potentiometric) surface and the proposed mining operation.
- D. Soil Assessment: If the reclamation plan proposes revegetation, an assessment of existing soil conditions may be appropriate. A soil assessment may include:
- 1. a topsoil inventory map showing soil salvage depths to assess the volume of topsoil available,
 - 2. a soil profile description describing soil suitable for reclamation,
 - 3. an analysis of soil texture, chemistry, pH, porosity, permeability, etc., adequate to assess suitability for revegetation.
- E. Vegetation/Wildlife: A discussion of existing plant and wildlife species is necessary to assess potential adverse environmental impacts. The discussion may include:
- 1. a description of the biological setting (refer to "A Guide to Wildlife Habitats of California" available from the California Department of Forestry and Fire Protection),
 - 2. a map and description of vegetation types of affected areas,
 - 3. a list of all plants, large and small mammals, birds, amphibians, and fish known or suspected to be on-site (include the date of the survey which can be critical in determining the presence of seasonal species),
 - 4. the identification of unique, critical, and important habitat types within the affected area,
 - 5. a discussion of potential wildlife impacts, short-term and long-term, resulting from the mining operation;
 - 6. a list of the federal or state designated rare, threatened, or endangered species, or State Fish and Game species of special concern (including invertebrates), if any, on or near the site.⁴
- F. In-stream Mining: If mining will occur within an active stream channel, any or all of the following information may be needed to assess impacts of the proposed operation:
- 1. evidence of contact with local flood control agency regarding possible permitting requirements,
 - 2. identify other in-stream mining operations within five miles of the project site, (this information should be used by the lead agency in assessing the cumulative impact of mining on the river channel).
 - 3. identify bridges, pipelines, cable crossings, etc. within one mile of the proposed operation,
 - 4. show premining configuration of gravel bar/stream bed on map or aerial photograph,
 - 5. provide cross section(s) of premining stream conditions which can be used to monitor future impacts of the mining operation.
 - 6. discuss seasonal flow conditions and gravel replenishment rates,
 - 7. discuss Wild and Scenic River status,



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- 8. describe previous mining activity, if any.
 - G. Air Resources/Climatology: (data available from local U. S. Weather station)
 - 1. Include a general description of the climate of the area, including the average rainfall, average snowfall, season of rainfall, average winter low temperature, average summer high temperature, and the source of the climate data. If the data were obtained from a weather station, state the location of that station.
 - 2. Provide evidence of contact with the Air Pollution Control District regarding the need for Air Quality permits and monitoring.
 - H. Land Use: Describe the current land use(s) of the project site (e.g., agriculture, timber, open space, recreation, etc.).
 - I. Aesthetics: Discuss the visual impact of the proposed mining operation from adjacent vantage points.
 - J. Other Information: Include any other information requested by the lead agency to assess the environmental impacts of the proposed operation.
- II. DESCRIPTION OF PROPOSED MINING OPERATION
- A. Map of Operations⁵: On a map, show details of the proposed mining operation including the following applicable features:

property/permit boundaries	ore stockpile areas
topsoil stockpile areas	tailings ponds
siltation ponds	buildings
leach pads	pits (slope crest/toe and benches)
haul roads	waste/overburden dumps processing facilities
hazardous materials storage areas	other pertinent features
 - B. Production Schedule: Provide a table of estimated annual production of ore/product and overburden/waste. If mining will be phased, specify quantities by phase. The annual estimated quantities should be summed to give the total anticipated production for the life of the mine.
 - C. Mining Plan: A description of how mining will be done, including any or all of the following:
 - 1. Operating Plan: Provide the proposed initiation and termination dates of the mining operation. If seasonal, provide the proposed annual months of operation.
 - 2. Topsoil: Describe:
 - a. stripping and handling techniques,
 - b. location and volume of proposed soil stockpiles,
 - c. how soil stockpiles will be protected from erosion (e.g., revegetated).
 - 3. Overburden/Waste/Ore: Describe:
 - a. the proposed type of mine (open pit, quarry, placer, dredge, etc.),
 - b. the type/size of mining/hauling equipment to be used,
 - c. the use, handling, and storage of explosives,
 - d. the proposed method for removing overburden and ore,



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- e. the maximum anticipated depth of the mine,
- f. the maximum depth of mining, bench width, and maximum slope angles (illustrate with cross sections),
- g. if mining will be phased, describe each phase and concurrent reclamation.
- 4. Mine Waste: Most of the concerns relating to the discharge of mine waste can be satisfied by appending a copy of the report of waste discharge and waste discharge permit to the reclamation plan.
 - D. Size: Provide the following information:
 - 1. total acreage permitted or to be permitted,
 - 2. total acreage to be disturbed,
 - 3. total acreage to be reclaimed.
 - E. Water Requirements:
 - 1. Estimate of daily and annual water requirements,
 - 2. Identify the sources and uses of water.
 - F. Contaminants:
 - 1. Identify potential contaminants and describe how they will be controlled or disposed.
 - 2. Describe how imported wastes such as domestic garbage, chemicals, oil, or other materials will be disposed of.
 - G. Waste Water: Discuss:
 - 1. daily and annual quantity of waste water to be disposed of,
 - 2. anticipated or possible contaminants (including turbidity),
 - 3. how waste water will be contained or disposed of,
 - 4. anticipated waste water treatment requirements.
 - H. Water Impoundments and Diversions:
 - 1. Impoundments: Provide evidence of contact with the California Department of Water Resources, Division of dam Safety, regarding the construction and inspection of impoundment structures.
 - 2. Diversions: provide:
 - a. design capacity,
 - b. grade and profile,
 - c. cross-section of typical diversion,
 - d. erosion control methods (e.g., rip rap, sealing, catchments, etc.),
 - e. life of diversions.



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I. Ore Processing:

- 1. Describe the proposed method and equipment for processing ore (e.g., dry screening, flotation, leaching, etc.).
- 2. Estimate minimum and maximum capacity (input and output) of the mill/processing facility.
- 3. Provide the estimated life of the processing operation (if different from mine life).

J. In-stream Mining:

- 1. Describe methods that will be used to protect water quality.
- 2. Describe precautions that will be taken to protect existing riparian vegetation.
- 3. Describe aquatic flora and fauna native to the area to be mined.
- 4. Provide evidence of contact with the State Department of Fish and Game regarding the need for a Stream Alteration Permit.

- K. Other Information: Include any other information requested by the lead agency to assess the environmental impacts of the proposed operation.

III. DESCRIPTION OF PROPOSED RECLAMATION

A. Subsequent Use(s):

- 1. What is the proposed subsequent use for the reclaimed mined land (e.g., recreation, wildlife habitat, grazing, open space, etc.)
- 2. Evidence that owner(s) of a possessory interest (including surface rights) have been notified of the proposed use or potential uses after reclamation.
- 3. If the proposed end use is for a public purpose (e.g., stormwater retention basin, ground water recharge basin, etc.), provide evidence that a public agency agrees to the need for the project and will assume responsibility for it upon completion. If a commitment cannot be obtained from a public agency, identify an alternative use and provide a plan for reclaiming the site for the alternate use.

B. Reclamation Schedule:

- 1. Provide a time schedule that will ensure reclamation at the earliest possible time on those portions of the mined lands that will not be subject to further disturbance.
- 2. Provide a map of the proposed phases of reclamation and the corresponding acreage and dates for completion of each phase (see Reclamation Site Plan).
- 3. If reclamation will not be concurrent with mining, explain why.

C. Post Mining Topography:

- 1. Provide a map of proposed post-reclamation topography; show drainage plan, benches, roads, plantings, and other pertinent features of the reclamation (see Reclamation Site Plan).
- 2. Attach cross sections through slopes, cuts, and fills; show original ground, post-mining surface, underlying geologic conditions, and reclaimed surface (see Reclamation Site Plan).



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- 3. Describe how slopes will be stabilized to prevent failures/landslides, earth flows, falling rock, and erosion.
- 4. Specify slope design calculations including the factor of safety.
- D. Impoundments: Describe how impoundments will be reclaimed (e.g., regraded, dewatered, capped, revegetated, removed, etc.).
- E. Drainage: Describe provisions for natural drainage and how erosion of disturbed land and sedimentation will be controlled during excavation and after final reclamation (e.g., revegetation, rip rap, sedimentation basins, berms, ditches, water bars, silt screens regrading, etc.).
- F. Disposition of Old Equipment: Discuss the disposition of equipment, buildings, structures, etc.
- G. Revegetation:
 - 1. Explain topsoil (or soil substitute) redistribution methods, including volumes of materials to be redistributed, equipment and methods for transport, methods for preventing over compaction, and schedule for replacement. The explanation may include:
 - a. the average thickness of replaced topsoil on the mine site;
 - b. tests that will be run to determine whether soil or mine wastes need soil amendments to promote the support plant growth'
 - c. methods to be used to protect redistributed topsoil (or soil substitute) from wind and water erosion before and after seeding and planting.
 - 2. Explain the types and amounts of fertilizers, mulch, soil stabilizers, lime, or other materials that will be used in revegetation and indicate when they will be applied.
 - 3. Provide a planting (landscape) plan. The plan may include:
 - a. how the site will be prepared for planting (e.g., ripping, disking, and incorporation of soil additives),
 - b. a list of the species (include scientific names) to be planted,
 - c. the type of plant material to be used (e.g., seeds, cuttings, container, plugs),
 - d. the density or rate of planting (e.g., pounds/acre, cuttings on 5 foot centers, etc.),
 - e. a revegetation map indicating species and location.
 - 4. Describe what planting method(s) will be used (e.g., hydroseeding, hand planting, seed drill, etc.).
 - 5. Discuss when (during which month(s)) planting will take place and the relationship between timing and the success of the revegetation plan.
 - 6. Describe how the plants will be protected from predation and disturbance (e.g., fencing, signs, etc.).
 - 7. Irrigation: If irrigation is proposed, then discuss:
 - a. the kind of irrigation system that will be used to water the plants;
 - b. the water source and the water quality of that source;



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- c. how often (e.g., biweekly) and at what rate (e.g., 1/4 inch/session) the area will be irrigated;
- d. how long the site will continue to be irrigated.
- 8. Describe how test plots will be used to evaluate the effectiveness of the proposed revegetation plan. Discuss how the lead agency will be notified of changes made in the revegetation plan based on the success of the test plots and practical experience.
- H. Monitoring and Maintenance:
 - 1. Describe the monitoring and maintenance program that will be instituted to ensure that the proposed reclamation is successful and is maintained.
 - 2. Describe or cite the standards to be used to determine success of revegetation, erosion control treatments, and public safety measures.
 - 3. Who will be responsible for carrying out the maintenance and monitoring program?
 - 4. Discuss what action will be taken if the initial reclamation efforts are unsuccessful.
- I. In-stream Mining:
 - 1. Describe the manner in which reclamation of the affected streambed channels and streambanks to a condition minimizing erosion and sedimentation will occur.
 - 2. Provide an annual monitoring plan (using aerial photos or cross sections) to assess impacts of mining or premining channel conditions.
- J. Future Mining: Explain how the proposed reclamation of this site will affect the potential for future mining at the site.
- K. Public Safety: What measures will be taken to ensure public safety (e.g., fences, gates, slopes, signs, or hazard removal)? How will the safety measures be maintained?
- L. Other Information: Include any other information requested by the lead agency to ensure that adverse environmental are prevented or minimized and that the mined lands are reclaimed to a useable condition which is readily adaptable for alternative land uses.



APPLICATION – QUARRY EXCAVATION

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
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FOOT NOTES

1. If an Environmental Impact Report/Statement was prepared for the proposed operation, it may be used to satisfy some or all of the requirements of this section. Reference the document by title and page number and append copies of the appropriate pages to the reclamation plan.

2. The map should cover an area of several miles around the site and display the following information:

nearby towns	natural drainage
roads/highways	streams/lakes/springs
railroads	wells
utilities	residences
buildings	other pertinent features

Use U.S. geological Survey 7-½ or 15 minute maps, which are the most accurate and useful. These maps are commonly available through sporting goods stores, or they may be ordered from the U.S. Geological Survey.

3. Information on geology may be available from the Geologic Map of California series, published by the California Division of Mines and Geology.

4. This information can be obtained from: local agencies (California Department of Fish and Game, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service); the California Natural Diversity Data Base; local experts; or a field survey of the area. If field surveys are appropriate, they should be conducted as follows:

- at the proper time of year when rare or endangered species are both evident and identifiable;
- every species noted in the field should be identified to the extent necessary to ensure that it is neither rare, endangered, nor of special concern.

5. The map should be at a scale appropriate to show the desired information and include a north arrow and coordinate system. A title block should be located in the lower right corner with the following information:

Title of map
Applicant's name and address
Map/exhibit number
Scale
Date map was drawn/revised



**San Joaquin County
Environmental Health Department
1868 E Hazelton Avenue
Stockton, California 95205**

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Fax: (209) 468-3433**

HAZARDOUS MATERIALS DISCLOSURE SURVEY

A separate survey form is required for each business name and/or address in San Joaquin County.

Business Name: _____ Telephone: _____
Business Site Address: _____
Mailing Address (if different from above): _____
Business Owner(s) Name: _____ Telephone: _____
Business Owner Address: _____
Nature of Business: _____ Fire District: _____

- Q1. Yes No Does your business handle a hazardous material in any quantity at any one time in the year? See the definition of hazardous material on page 2 of this form.
- Yes No Does your business generate, treat, or store a hazardous waste in any quantity? (used oil, used antifreeze, waste solvent, etc.)

If your answer is "No" to both questions in Q1, please print, sign, and date the bottom of this form and return to the address above.

- Q2. Yes No Does your business handle a hazardous material, or a mixture containing a hazardous material, in a quantity equal to or greater than 55 gallons, 500 pounds, or 200 cubic feet at any one time in the year?
- If "Yes", how long have you handled these materials at your business? _____
- If "Yes", check any of the following conditions that apply to your business:
- A. The hazardous materials handled by this business are contained solely in a consumer product packaged for direct distribution to and use by the general public.
- B. This business operates a farm for purposes of cultivating the soil, raising or harvesting an agricultural or horticultural commodity.
- Q3. Yes No Does your business handle an Acutely Hazardous Material? See definition on page 2.
- Q4. Yes No Is your business within 1,000 feet of the outer boundary of a school? (Grades K-12)

I have read the information on this form and understand my requirements under Chapter 6.95 of the California Health and Safety Code (HSC). I understand that if I own a facility or property that is used by tenants, it is my responsibility to notify the tenants of the requirements which must be met prior to issuance of a Certificate of Occupancy or beginning of operations. I declare under the penalty of perjury that the information provided on this disclosure survey is true and accurate to the best of my knowledge.

Owner or Authorized Agent:

Print Name: _____ Date: _____

Signature: _____ Title: _____

San Joaquin County Environmental Health Department

HAZARDOUS MATERIALS PROGRAM

This survey form is intended to identify businesses which need to comply with the hazardous materials emergency planning and reporting requirements of the California Health and Safety Code (HSC) Chapter 6.95. This Chapter requires businesses which handle hazardous materials to prepare emergency plans for their employees to use in an emergency. Businesses must submit a copy of this plan, along with an annual inventory of their hazardous materials, to public safety agencies for use in protecting emergency responders and the general public. In San Joaquin County, the Environmental Health Department (EHD) has been authorized to administer this program as the Certified Unified Program Agency or CUPA. Should you have any questions about the CUPA program or this form, please contact EHD at (209) 468-3420.

Please consider the following guidelines when completing the questions on page 1:

Question 1:

The (HSC) section 25501(p) defines a "Hazardous Material" as any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous Materials" include but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. This includes, but is not limited to, fuels, petroleum products, paints, propane, oxygen, ammonia, chlorine, pesticides, fertilizers, and used oil. If a business generates any amount of hazardous waste they must enroll in the EHD Hazardous Waste Generator Program. Answer "Yes" if you use a material that meets the definition above in any quantity at least once in the year. If you are unsure, contact the EHD at (209) 468-3420 for assistance. If you answer "No" and at a later date your business, or a tenant on your property, begins handling hazardous materials, you must inform the EHD within 30 days.

Question 2:

If you answer "Yes", you must meet the requirements of HSC Chapter 6.95. The EHD will be contacting you to provide assistance. These requirements must be met prior to issuance of a certificate of occupancy. If you answer "No", our office may conduct an inspection after you begin operations to verify your exemption.

The HSC establishes some modified requirements or program exemptions for certain uses of hazardous materials. If you answered "Yes" to questions 1 and 2, a determination must be made if your business meets one of the exemptions listed. Check the appropriate boxes on page 1. The EHD will contact you to make a final determination if your business meets the exemptions.

- A. Retail Exemption – Products packaged for direct distribution to the general public are exempt from the program. This exemption may not apply if any of the following conditions exist:
 - 1. The quantity handled creates an unacceptable public hazard
 - 2. The material is being used directly by the business as part of its operation in addition to being sold to the general public
 - 3. The general public doesn't have ready access to the product as stored by the business (e.g. in a warehouse).

- B. Modified Farm Exemption – Farms, as stated in Question 2B on page 1, must meet modified program requirements. The definition of a farm in the law doesn't include businesses providing commercial pest control services, fertilizer application services, product processing services, or packing shed services for farmers. Farms qualifying for the exemption are still required to submit an annual chemical inventory and fee to the San Joaquin County Office of the Agricultural Commissioner (OAC) along with other requirements. Please contact the OAC for further information at (209) 953-6000. Businesses operating a commercial business in addition to a farm as defined must comply with the requirements of the Hazardous Materials Program for those materials associated with the commercial business.

Question 3:

The Federal and State governments have defined approximately 366 chemicals as an "Acutely Hazardous Material" (AHM). The most common AHM used in the county include: Chlorine, Ammonia, Sulfuric Acid, Methyl Bromide, Acrolein, Sulfur Dioxide, Formaldehyde, Nitric Acid, Vinyl Acetate Monomer, Hydrogen Peroxide, and many types of Pesticides.

Answer "Yes" if you use any of these specific chemicals in any quantity at any one time of the year. Contact the EHD if you're unsure for assistance.

Question 4:

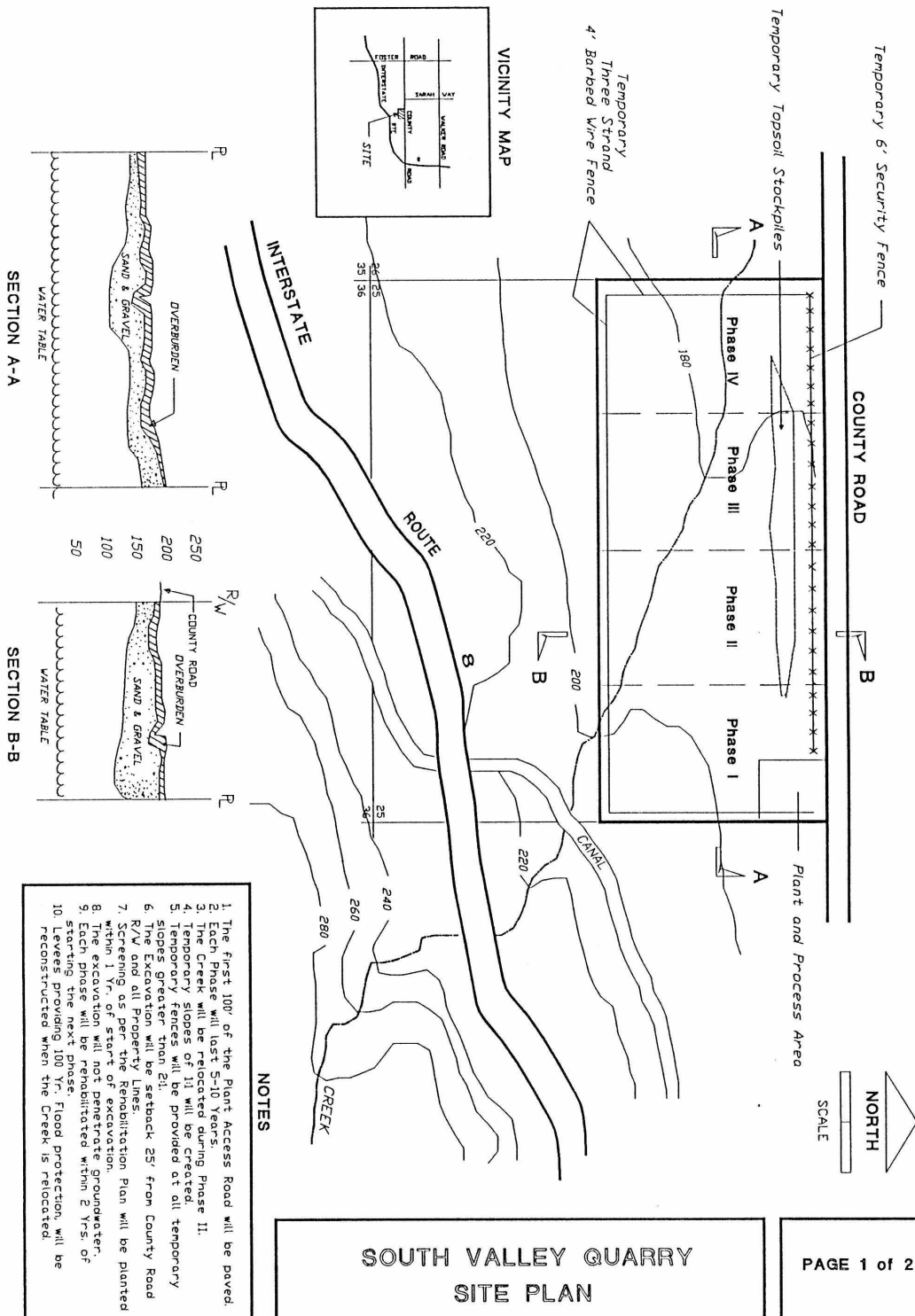
Answer "Yes" if the boundary of your property or facility is or will be within 1,000 feet of the boundary of a school. (Grades K – 12)



APPLICATION – QUARRY EXCAVATION

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
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SAMPLE SITE PLAN



**SOUTH VALLEY QUARRY
 SITE PLAN**

PAGE 1 of 2

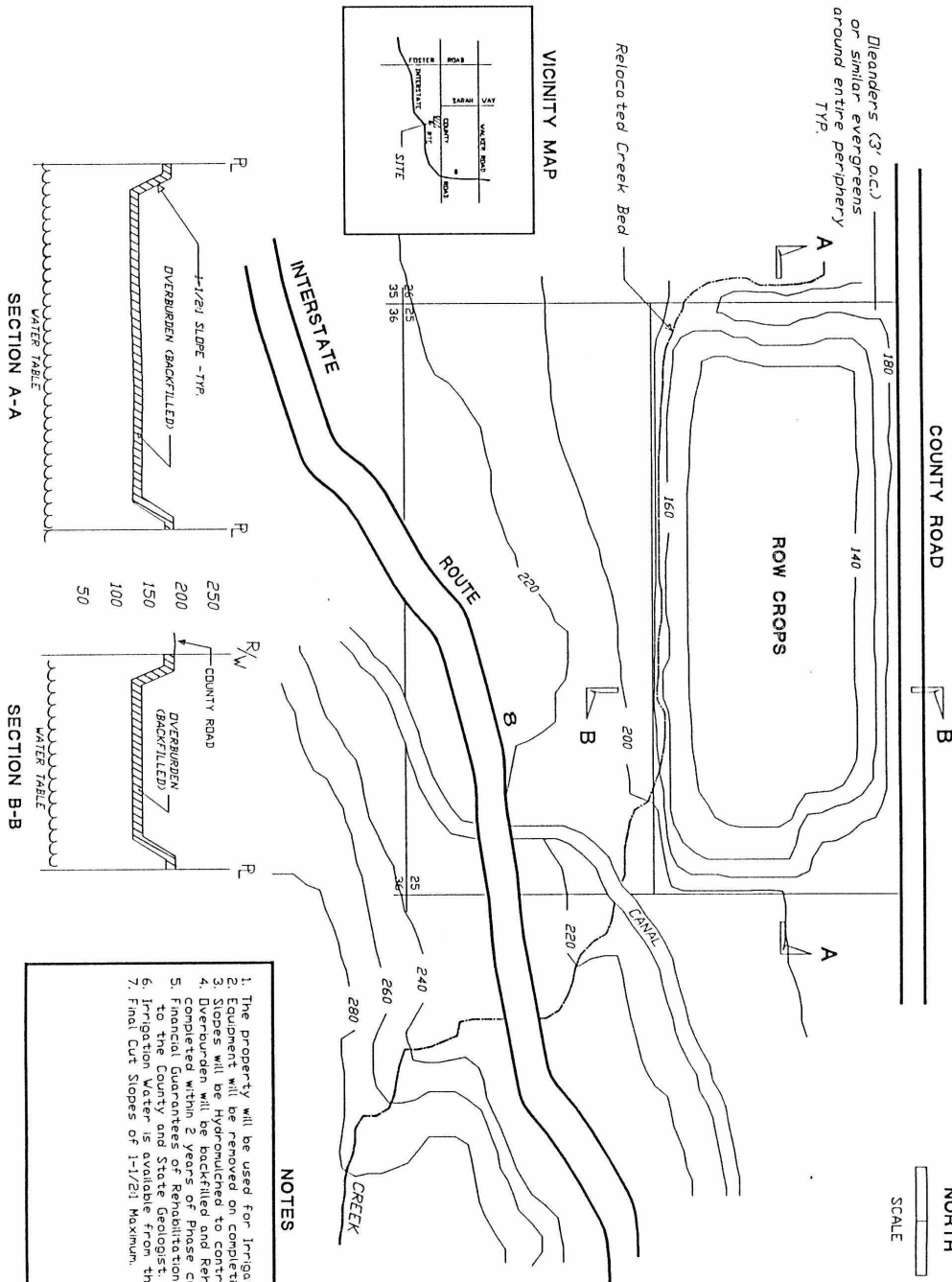
- NOTES**
1. The first 100' of the Plant Access Road will be paved.
 2. Each Phase will be relocated during Phase II.
 3. The Creek will be relocated during Phase II.
 4. Temporary slopes of 1:1 will be created.
 5. Temporary fences will be provided at all temporary slopes greater than 2:1.
 6. The Excavation will be setback 25' from County Road R/W and all Property Lines.
 7. Screening as per the Rehabilitation Plan will be planted within 1 Yr. of start of excavation.
 8. The excavation will not penetrate groundwater.
 9. Each phase will be rehabilitated within 6 Yrs. of excavation phase completion.
 10. Levees providing 100 Yr. Flood protection, will be reconstructed when the Creek is relocated.



APPLICATION – QUARRY EXCAVATION

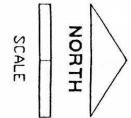
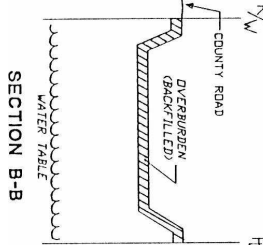
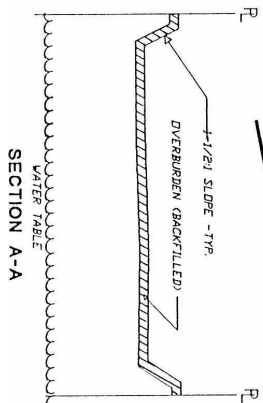
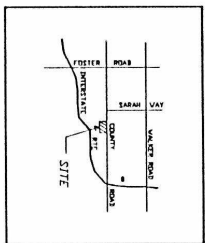
SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
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SAMPLE RECLAMATION PLAN



Dlanders (3' O.C.)
 or similar evergreens
 around entire periphery
 TYP.

VICINITY MAP



NOTES

1. The property will be used for Irrigated Row Crops.
2. Equipment will be removed on completion of last phase.
3. Slopes will be 1-1/2:1 maximum.
4. Slopes will be 1:1 maximum for backfilled and Rehabilitation.
5. Completed within 2 years of phase completion.
6. Financial Guarantees of Rehabilitation will be provided to the County and State Geologist.
7. Irrigation Water is available from the adjacent canal.
8. Final Cut Slopes of 1-1/2:1 Maximum.

**SOUTH VALLEY QUARRY
 RECLAMATION PLAN**

PAGE 2 of 2



APPLICATION – QUARRY EXCAVATION

SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
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RECLAMATION SITE PLAN

CHECK LIST

- Size: The Excavation and Reclamation Plans shall be drawn on 24" x 36" reproducible material.
- Owners of Mineral Interest: The Names and Addresses of the owners of all surface mineral interests of the property.
- North Arrow, Date and Scale: Use an engineer's scale (i.e., 1" to 20' or 1" to 100'). The direction of "north" should be pointing towards the top of the page.
- Vicinity Map and Haul Routes: A vicinity map showing the location of the project site and proposed haul routes.
- Streets and Easements: Location and names of all streets and easements bordering on the property with access details.
- Project Boundary: The extent of the area to be excavated.
- Property Lines: All property lines or boundary lines of the parcel with dimensions.
- Watercourses and Flooding: The location of all areas on the property subject to inundation or flooding and the location, width and direction of flow of all watercourses and flood control channels which may be affected by the excavation.
- Topography: Bench marks and topographic details of the site.
- Existing and Proposed Development: All existing structures (labeled 'existing') and any proposed structures (labeled 'proposed') with dimensions, square footage and distances from other structures and property lines. Any existing structures planned for removal should be shown with dashed lines. The use and number of floors should be labeled on each structure. Structures include utility lines, processing plants and irrigation facilities, as well as buildings.
- Parking and Driveways: The location, dimensions and surface material of all existing and proposed parking and driveways. Calculations indicating the number of required spaces must be shown. (Refer to 'County Parking Lot Standards').
- On-site Roads: All access roads and proposed surfacing.
- Stockpiling: Areas to be used for stockpiling the topsoil or overburden and/or the material to be removed from the property.
- Water Wells: The location of existing and proposed water wells on-site and any off-site wells within 150' of the proposed development. Wells must meet the following setbacks:
 - 5' from structures;
 - 50' from septic tanks;
 - 100' from leach lines;
 - 150' from sumps or seepage pits; and
 - 10' from property lines.
- I If public water will be utilized, a "will-serve" letter must be submitted from the service provider.
- Sewers and Septic Tanks: The location of the sewer outlet, public sewer hook-up, or existing and proposed sewage disposal systems and any off-site sewage disposal systems within 150' of the property.

Septic tanks must meet the following setbacks:

 - 5' from property lines, structures, m driveways and swimming pools;
 - 50' from water wells.

Leach lines must meet the following setbacks:

 - 10' from structures, driveways and swimming pools;
 - 100' from wells, streams and waterways.
 - 5' to 75' from property lines depending on zoning or the location of septic systems on adjoining properties (this requirement also applies to seepage pits).

If public sewage disposal will be utilized, a "will-serve" letter must be submitted from the service provider.
- Storm Drainage: The location of existing and proposed storm drainage facilities (check with Engineering staff regarding design criteria).
- Signs, Fences, Storage and Trash Enclosures: The location of and height of all existing and proposed signs and fences and the location and dimensions of all open and/or enclosed storage and trash receptacles.