COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT
701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
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TOM BURNS, PLANNING DIRECTOR

NOTICE OF ENVIRONMENTAL REVIEW PERIOD

SANTA CRUZ COUNTY

APPLICANT: **John Swenson of Department of Public Works**

APPLICATION NO.: **07-0640**

APN: **County Right-Of-Way @ Rider Rd. & Buzzard Lagoon**

The Environmental Coordinator has reviewed the Initial Study for your application and made the following preliminary determination:

XX Negative Declaration
(Your project will not have a significant impact on the environment.)

XX *Mitigations will be attached to the Negative Declaration.*

_____ No mitigations will be attached.

_____ Environmental Impact Report
(Your project may have a significant effect on the environment. An EIR must be prepared to address the potential impacts.)

As part of the environmental review process required by the California Environmental Quality Act (CEQA), this is your opportunity to respond to the preliminary determination before it is finalized. Please contact Matt Johnston, Environmental Coordinator at (831) 454-3201, if you wish to comment on the preliminary determination. Written comments will be received until 5:00 p.m. on the last day of the review period.

Review Period Ends: **April 29, 2008**

Bob Loveland
Staff Planner

Phone: **454-3163**

Date: **March 26, 2008**

NAME : Rider at Buzzards
APPLICATION: 07-0640
A.P.N: County Right of Way

NEGATIVE DECLARATION MITIGATIONS

A. In order to ensure that mitigation measures B through F are communicated to the crew members responsible for constructing the project and are properly implemented, the Department of Public Works (DPW) shall organize a pre-construction meeting on the site to review the mitigation measures. The following parties shall attend: DPW project engineer, project crew supervisor, project biologists and Environmental Planning staff. The disturbance envelope will be verified, silt fence will be inspected, erosion control plan verified, dewatering and fish removal plan reviewed, and the results of pre-construction wildlife surveys will be collected at that time.

B. In order to mitigate impacts on protected Steelhead (*Oncorhynchus mykiss*) the project work site shall be isolated from the active channel. Due to the dynamic nature of the stream channel, the work area may or may not include a portion of the active channel. Excavation of the keyway will require dewatering of groundwater seepage. If dewatering a portion of the creek is necessary, it shall be the minimum necessary and will be done in such a way as to maintain the creek channel open. A substantial barrier between the work area and the active channel shall be installed. All isolation and dewatering work in the channel shall be done under the supervision of a qualified fisheries biologist.

C. In order to prevent adverse impacts to California red legged frogs (*Rana aurora draytonii*) (CLRF) and foothill yellow-legged frogs (*Rana boylii*), a qualified wildlife biologist shall perform pre-construction surveys and conduct an educational session with all work crewmembers prior to disturbance. If either species of frog are present, all vegetation removal and disturbance shall only occur in the presence of a qualified biological resource monitor. If CLRF are identified in the work area during the project the monitor shall halt activity and contact the U.S. Fish and Wildlife Service for direction and recommendations to avoid take of the species.

D. In order to prevent erosion and sedimentation of the creek, prior to disturbance DPW shall implement the erosion control plan reviewed and approved by Environmental Planning staff. At the pre-construction meeting, Environmental Planning staff shall confirm that access to the work area is from the top of the bank and construction will be accomplished without operating heavy equipment within the creek, confirm that the spoils storage area is away from the creek bank and protected from erosion, and confirm the silt fence is properly installed.

E. To minimize noise impacts on surrounding properties to a less than significant level during construction, construction shall be limited to the time between 8:00 A.M. and 5:00 P.M. weekdays.

F. In order to prevent hazards to motorists, bicyclists, or pedestrians, DPW will provide signage and traffic control to mitigate potential hazards to motorists, bicyclists, and pedestrians.

Environmental Review
Initial Study

Application Number: 07-0640

Date: March 12, 2008
Staff Planner: Bob Loveland

I. OVERVIEW AND ENVIRONMENTAL DETERMINATION

APPLICANT: Dept. of Public Works

APN: County Right-of Way @ Rider Rd. & Buzzard Lagoon

Attn: John Swenson
(831) 454-2160

SUPERVISORAL DISTRICT: 2nd (Ellen Pirie)

LOCATION: Project site located on the south side of Rider Road at the intersection with Buzzard Lagoon Road.

SUMMARY PROJECT DESCRIPTION:
The County (DPW) proposes to repair a roadside slip-out by rebuilding 120 linear feet of roadway including base material, installing 125 linear feet of asphalt concrete dike and placing 167 cubic yards of ½ ton Rock Slope Protection (RSP) along the slope bank. The earthwork estimate to complete the repair is approximately 333 cubic yards. Once earthwork activities are completed the disturbed areas will be seeded with native seed mix and willow plantings.

ALL OF THE FOLLOWING POTENTIAL ENVIRONMENTAL IMPACTS ARE EVALUATED IN THIS INITIAL STUDY. CATEGORIES THAT ARE MARKED HAVE BEEN ANALYZED IN GREATER DETAIL BASED ON PROJECT SPECIFIC INFORMATION.

____	Geology/Soils	____	Noise
____	Hydrology/Water Supply/Water Quality	X	Air Quality
X	Biological Resources	____	Public Services & Utilities
____	Energy & Natural Resources	____	Land Use, Population & Housing
____	Visual Resources & Aesthetics	____	Cumulative Impacts
____	Cultural Resources	____	Growth Inducement
____	Hazards & Hazardous Materials	X	Mandatory Findings of Significance
X	Transportation/Traffic		

DISCRETIONARY APPROVAL(S) BEING CONSIDERED

____ General Plan Amendment	____ Grading Permit
____ Land Division	_X_ Riparian Exception
____ Rezoning	____ Other:
____ Development Permit	____
____ Coastal Development Permit	____

NON-LOCAL APPROVALS

Other agencies that must issue permits or authorizations:

Army Corps of Engineers
California Department of Fish & Game
Regional Water Quality Control Board

ENVIRONMENTAL REVIEW ACTION

On the basis of this Initial Study and supporting documents:

___ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

_X_ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the attached mitigation measures have been added to the project. A MITIGATED NEGATIVE DECLARATION will be prepared.

___ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

Matt Johnston

3/26/08
Date

For: Claudia Slater
Environmental Coordinator

II. BACKGROUND INFORMATION

EXISTING SITE CONDITIONS

Parcel Size: Not Applicable
Existing Land Use: Public right-of way and riparian open space
Vegetation: Mixed conifer and fern understory
Slope in area affected by project: ___ 0 - 30% _X_ 31 – 100%
Nearby Watercourse: Rider Creek
Distance To: Adjacent to stream channel

ENVIRONMENTAL RESOURCES AND CONSTRAINTS

Groundwater Supply: Yes
Water Supply Watershed: Yes
Groundwater Recharge: Yes
Timber or Mineral: No
Agricultural Resource: No
Biologically Sensitive Habitat: Yes (Riparian)
Fire Hazard: No
Floodplain: No
Erosion: Yes
Landslide: Yes (Roadside slip-out)
Liquefaction: NA
Fault Zone: No
Scenic Corridor: No
Historic: No
Archaeology: No
Noise Constraint: No
Electric Power Lines: Yes
Solar Access: NA
Solar Orientation: NA
Hazardous Materials: No

SERVICES

Fire Protection: NA
School District: NA
Sewage Disposal: NA
Drainage District: Zone 7
Project Access: Rider Road
Water Supply: NA

PLANNING POLICIES

Zone District: CA, RA, SU
General Plan: AG, R-M, R-R
Special Designation: NA

Urban Services Line: ___ Inside _X_ Outside
Coastal Zone: ___ Inside _X_ Outside

PROJECT SUMMARY DESCRIPTION:

During high storm water flows within the stream channel a section of streambank was eroded back and the existing roadway upslope collapsed into the creek. Road repair plans (Attachment 2) have been designed to stabilize the toe of the failed slope and reconstruct the slope and roadway to previous conditions. The project requires a Riparian Exception in order to complete the repair.

PROJECT SETTING AND BACKGROUND:

The project area is located within the existing county right-of-way at the intersection of Rider Road and Buzzard Lagoon Road (Attachment 1). The project site consists of a two-lane roadway and the down-slope area just below the road. The southern stream bank slope is well vegetated with conifer trees and established understory. The northern stream bank slope (project area) is sparsely vegetated with small ferns.

During a storm event in January 2006 (FEMA CA DR1628) high water flow within the stream channel eroded away the toe of the roadway slope and associated upper roadway.

DETAILED PROJECT DESCRIPTION:

The repair project involves excavating approximately 333 cubic yards of soil from the eroded slope area (excavated material to be reused to rebuild the slope above the rock slope protection); place approximately 167 cubic yards of ½ ton "Rock Slope Protection" (RSP) along the toe of the slope; and rebuild 120 linear feet of roadway and 125 linear feet of asphalt concrete dike along the outer edge of newly constructed roadway (Attachment 2).

Prior to commencement of any on-site construction activities a qualified wildlife biologist shall complete pre-construction surveys for the following protected species: (steelhead (*Oncorhynchus mykiss*), California red-legged frog (*Rana draytonii*) and Western pond turtle (*Clemmys marmorata*), Cooper's hawk (*Accipter cooperii*) and Sharp-shinned hawk (*Accipter striatus*) identified in the "Biological Constraints Analysis" (Attachment 3). The project wildlife biologist shall be on site during slope excavation work and during any dewatering operations that may be required during the course of the project. The work to be completed will be done from the roadway and the stream channel will remain open throughout slope repair activities. To further minimize impacts to the surrounding natural habitat: the construction period will be limited to low flow periods (June 1 - October 15); prior to any excavation work the limits of project area will be demarcated with orange construction fencing and appropriate best management practices will be installed (straw rolls, plywood debris barriers, gravel bags, etc.). If dewatering is required during construction activities, gravel bags shall be placed at the toe of slope near the creek and a sump pump that discharges to a filter bag shall be employed (Attachment 4).

The section of reclaimed roadway will be repaved upon the completion of the slope repair and all disturbed soil will be replanted with trees and erosion control seeding (Attachment 5).

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable

III. ENVIRONMENTAL REVIEW CHECKLIST

A. Geology and Soils

Does the project have the potential to:

1.	Expose people or structures to potential adverse effects, including the risk of material loss, injury, or death involving:				
	A. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or as identified by other substantial evidence?	____	____	____	X
	B. Seismic ground shaking?	____	____	X	____

Due to the proximity of the San Andreas Fault, moderate to severe shaking is expected to occur throughout the Santa Cruz Mountains during the projected life of the project. The Department of Public Works will use a standard design for the project that is used on all projects of this type in Santa Cruz County. The standard design has been designed to mitigate potential hazards due to seismic ground shaking.

	C. Seismic-related ground failure, including liquefaction?	____	____	X	____
	D. Landslides?	____	____	X	____

All of Santa Cruz County is subject to some hazard from earthquakes. However, the project site is not located within or adjacent to a county or State mapped fault zone, therefore the potential for ground surface rupture is low. The project site is likely to be subject to strong seismic shaking during the life of the improvements.

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
2. Subject people or improvements to damage from soil instability as a result of on- or off-site landslide, lateral spreading, to subsidence, liquefaction, or structural collapse?			X	

The Department of Public Works will use a standard design for the project that is used on all projects of this type in Santa Cruz County. The standard design has been designed to mitigate potential hazards due to seismic ground shaking.

3. Develop land with a slope exceeding 30%?			X	

There are slopes that exceed 30% on the property. However, no improvements are proposed on slopes in excess of 30%.

4. Result in soil erosion or the substantial loss of topsoil?			X	

The project is designed to minimize short-tem construction related erosion as well as long-term erosion due to road failure. All work is to be completed from the roadway. Erosion control measures that are part of the construction plan include: protective fencing to delineate the limits of the disturbance area in the field; scheduling of construction activities to coincide with low flows (June 1- October 15) in the creek channel; placement of best management practices (gravel bags, straw rolls) between the toe of the slope and the stream channel; and the repaired slope will be revegetated.

5. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code(1994), creating substantial risks to property?			X	

There is no indication that the development site is subject to substantial risk caused by expansive soils.

6. Place sewage disposal systems in areas dependent upon soils incapable of adequately supporting the use of septic tanks, leach fields, or alternative waste water disposal systems?				X
7. Result in coastal cliff erosion?				X

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable

B. Hydrology, Water Supply and Water Quality

Does the project have the potential to:

1.	Place development within a 100-year flood hazard area?				X

According to the Federal Emergency Management Agency (FEMA) National Flood Insurance Rate Map, dated March 2, 2006, no portion of the project site lies within a 100-year flood hazard area.

2.	Place development within the floodway resulting in impedance or redirection of flood flows?				X

According to the Federal Emergency Management Agency (FEMA) National Flood Insurance Rate Map, dated March 2, 2006, no portion of the project site lies within a 100-year flood hazard area.

3.	Be inundated by a seiche or tsunami?				X
4.	Deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit, or a significant contribution to an existing net deficit in available supply, or a significant lowering of the local groundwater table?				X
5.	Degrade a public or private water supply? (Including the contribution of urban contaminants, nutrient enrichments, or other agricultural chemicals or seawater intrusion).			X	

No commercial or industrial activities are proposed that would contribute a significant amount of contaminants to a public or private water supply. Potential siltation from the proposed project will be addressed through implementation of erosion control measures (refer to A.4.).

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
6. Degrade septic system functioning?				X

There are no septic systems in the vicinity of the project.

7. Alter the existing drainage pattern of the site or area, including the alteration of the course of a stream or river, in a manner which could result in flooding, erosion, or siltation on or off-site?			X	

No work is proposed within the stream channel and the stream bank will be reconstructed to pre slipout conditions. The rock slope protection placed at the toe of the slope will not displace floodwaters. The rock slope protection proposed for the toe of the slope will provide future slope protection during high stormwater events and decrease erosion of soil into the stream channel thus improving water quality.

8. Create or contribute runoff which would exceed the capacity of existing or planned storm water drainage systems, or create additional source(s) of polluted runoff?				X
9. Contribute to flood levels or erosion in natural water courses by discharges of newly collected runoff?				X

No new impervious surfaces are proposed as part of the project, thus there will be no additional storm water runoff that could contribute to flooding or erosion.

10. Otherwise substantially degrade water supply or quality?			X	

C. Biological Resources

Does the project have the potential to:

1. Have an adverse effect on any species identified as a candidate, sensitive, or special status species, in local or regional plans, policies, or regulations, or by the California Department of Fish and Game, or U.S. Fish and Wildlife Service?		X		

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable

A "Biological Constraints Analysis" (Attachment 3) has been prepared which evaluates the potential for special status (threatened, endangered, etc.) wildlife species to occur within the vicinity of the project site. The analysis determined that in addition to steelhead (*Oncorhynchus mykiss*), an endangered species, the following California Species of Special Concern have the potential to occur at the project site: California red-legged frog (*Rana draytonii*) federally threatened; Western pond turtle (*Clemmys marmorata*); Cooper's hawk (*Accipter cooperii*) and Sharp-shinned hawk (*Accipter striatus*).
A qualified wildlife biologist will conduct pre-construction surveys for protected fish/amphibians and birds, listed above, prior (1 week) to commencement of any work. The biologist will be on-site during excavation work for the rock slope protection and its placement, and during potential dewatering activities within the area of rock slope protection. The construction period for this project will run from June 1 to October 15.

2.	Have an adverse effect on a sensitive biotic community (riparian corridor), wetland, native grassland, special forests, intertidal zone, etc.)?	____	____	X	____

There will be temporary disturbance within the riparian corridor during construction activities but an overall net benefit to the riparian area once the project is completed. All disturbed soil within the project area shall be revegetated according to the approved revegetation plan (Attachment 5).

3.	Interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native or migratory wildlife nursery sites?	____	X	____	____

The stream channel will remain open during construction activities. The trench area receiving the "Rock Slope Protection" may need to be dewatered (Attachment 4). There will be a biological monitor on site during the dewatering process to deal with fish/amphibians that may be stranded in the work area.

4.	Produce nighttime lighting that will illuminate animal habitats?	____	____	____	X
5.	Make a significant contribution to the reduction of the number of species of plants or animals?	____	X	____	____

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable

Refer to C.3 above.

6. Conflict with any local policies or ordinances protecting biological resources (such as the Significant Tree Protection Ordinance, Sensitive Habitat Ordinance, provisions of the Design Review ordinance protecting trees with trunk sizes of 6 inch diameters or greater)?			X	

The project will not conflict with any local policies or ordinances.

7. Conflict with the provisions of an adopted Habitat Conservation Plan, Biotic Conservation Easement, or other approved local, regional, or state habitat conservation plan?				X

D. Energy and Natural Resources

Does the project have the potential to:

1. Affect or be affected by land designated as "Timber Resources" by the General Plan?			X	

The project is adjacent to land designated as Timber Resource. However, the project will not affect the resource or access to harvest the resource in the future. The timber resource may only be harvested in accordance with California Department of Forestry timber harvest rules and regulations.

2. Affect or be affected by lands currently utilized for agriculture, or designated in the General Plan for agricultural use?				X
3. Encourage activities that result in the use of large amounts of fuel, water, or energy, or use of these in a wasteful manner?				X

	Significant Or *Potentially* Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
4. Have a substantial effect on the potential use, extraction, or depletion of a natural resource (i.e., minerals or energy resources)?				X

E. Visual Resources and Aesthetics

Does the project have the potential to:

1. Have an adverse effect on a scenic resource, including visual obstruction of that resource?				X
2. Substantially damage scenic resources, within a designated scenic *corridor or public view shed area* including, but not limited to, trees, rock outcroppings, and historic buildings?				X

The project site is not located along a County designated scenic road or within a designated scenic resource area.

3. Degrade the existing visual character or quality of the site and its surroundings, including substantial change in topography or ground surface relief features, and/or development on a ridge line?			X	

Upon completion of the slope repair the slope will be revegetated with willows (*Salix lasiolepis*), California blackberry (*Rubus ursinus*), Western sword fern (*Polystichum munitum*) and erosion control mix (refer to Attachment 5).

4. Create a new source of light or glare which would adversely affect day or nighttime views in the area?				X
5. Destroy, cover, or modify any unique geologic or physical feature?				X

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
F. Cultural Resources				
Does the project have the potential to:				
1. Cause an adverse change in the significance of a historical resource as defined in CEQA Guidelines 15064.5?				X
2. Cause an adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines 15064.5?			X	
3. Disturb any human remains, including those interred outside of formal cemeteries?			X	
4. Directly or indirectly destroy a unique paleontological resource or site?				X
G. Hazards and Hazardous Materials				
Does the project have the potential to:				
1. Create a significant hazard to the public or the environment as a result of the routine transport, storage, use, or disposal of hazardous materials, not including gasoline or other motor fuels?				X
2. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
3. Create a safety hazard for people residing or working in the project area as a result of dangers from aircraft using a public or private airport located within two miles of the project site?				X
4. Expose people to electro-magnetic fields associated with electrical transmission lines?				X
5. Create a potential fire hazard?				X
6. Release bio-engineered organisms or chemicals into the air outside of project buildings?				X

H. Transportation/Traffic

Does the project have the potential to:

1. Cause an increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system (i.e., substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?			X	

There will be no impact because no additional traffic will be generated.

2. Cause an increase in parking demand which cannot be accommodated by existing parking facilities?				X
3. Increase hazards to motorists, bicyclists, or pedestrians?		X		

The project will result in temporary lane closures during construction and limiting traffic to one lane. The Department of Public Works (DPW) will provide signage and traffic control to mitigate potential hazards to motorists, bicyclists and pedestrians.

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
4. Exceed, either individually (the project alone) or cumulatively (the project combined with other development), a level of service standard established by the county congestion management agency for designated intersections, roads or highways?				X

I. Noise

Does the project have the potential to:

1. Generate a permanent increase in ambient noise levels in the project *vicinity above levels existing without* the project?			X	

A temporary increase in noise levels will be experienced only during the repair phase of the roadside slipout.

2. Expose people to noise levels in excess of standards established in the General Plan, or applicable standards of other agencies?			X	

No residences within 600 feet of project area.

3. Generate a temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?		X		

There will be a temporary increase in noise due to construction activities and the operation of heavy equipment. The impact will be mitigated by restricting the hours of operation to Monday-Friday (8am to 5pm).

J. Air Quality

Does the project have the potential to: NOTE: Where available, the significance criteria established by the MBUAPCD may be relied upon to make the following determinations.

1. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable

The North Central Coast Air Basin does not meet State standards for ozone and particulate matter (PM10). Therefore, the regional pollutants of concern that would be emitted by the project are ozone precursors (Volatile Organic Compounds [VOCs] and nitrogen oxides [NOx]), and dust.
Given that no new traffic will be generated by the project there is no indication that new emissions of VOCs or NOx will exceed Monterey Bay Unified Air Pollution Control District (MBUAPCD) thresholds for these pollutants and therefore there will not be a significant contribution to an existing air quality violation.

2.	*Conflict with or obstruct* implementation of an adopted air quality plan?	____	____	____	X
3.	Expose sensitive receptors to substantial pollutant concentrations?	____	____	____	X
4.	Create objectionable odors affecting a substantial number of people?	____	____	____	X

K. Public Services and Utilities
Does the project have the potential to:

1.	Result in the need for new or physically altered public facilities, the *construction of which could cause* significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
	a. Fire protection?	____	____	____	X
	b. Police protection?	____	____	____	X
	c. Schools?	____	____	____	X

	Significant Or Potentially Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
d. Parks or other recreational activities?				X
e. Other public facilities; including the maintenance of roads?				X
2. Result in the need for construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
3. Result in the need for construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
4. Cause a violation of wastewater treatment standards of the Regional Water Quality Control Board?				X
5. Create a situation in which water supplies are inadequate to serve the project or provide fire protection?				X
6. Result in inadequate access for fire protection?		X		

One lane will remain open at all times. Fire trucks, ambulances and other emergency vehicles will not be blocked from using the road at any time (Refer to H.3.).

7. Make a significant contribution to a cumulative reduction of landfill capacity or ability to properly dispose of refuse?				X

	Significant Or *Potentially* Significant Impact	Less than Significant with Mitigation Incorporation	Less than Significant Or No Impact	Not Applicable
8. Result in a breach of federal, state, and local statutes and regulations related to solid waste management?				X

L. Land Use, Population, and Housing

Does the project have the potential to:

1. Conflict with any policy of the County adopted for the purpose of avoiding or mitigating an environmental effect?			X	

The proposed project does not conflict with any policies adopted for the purpose of avoiding or mitigating an environmental effect.

2. Conflict with any County Code regulation adopted for the purpose of avoiding or mitigating an environmental effect?			X	

The proposed project does not conflict with any regulations adopted for the purpose of avoiding or mitigating an environmental effect.

3. Physically divide an established community?				X
4. Have a potentially significant growth inducing effect, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	

The proposed project will not extend the road or increase its capacity.

5. Displace substantial numbers of people, or amount of existing housing, necessitating the construction of replacement housing elsewhere?				X

M. Non-Local Approvals

Does the project require approval of federal, state, or regional agencies? Yes X No ____

N. Mandatory Findings of Significance

1. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant, animal, or natural community, or eliminate important examples of the major periods of California history or prehistory? Yes ____ No X

2. Does the project have the potential to achieve short term, to the disadvantage of long term environmental goals? (A short term impact on the environment is one which occurs in a relatively brief, definitive period of time while long term impacts endure well into the future) Yes ____ No X

3. Does the project have impacts that are individually limited, but cumulatively considerable ("cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, and the effects of reasonably foreseeable future projects which have entered the Environmental Review stage)? Yes ____ No X

4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? Yes ____ No X

TECHNICAL REVIEW CHECKLIST

	REQUIRED	COMPLETED*	N/A
Agricultural Policy Advisory Commission (APAC) Review			X
Archaeological Review			X
Biotic Report/Assessment		1/23/02	
Geologic Hazards Assessment (GHA)			X
Geologic Report			X
Geotechnical (Soils) Report			X
Riparian Pre-Site			X
Septic Lot Check			X
Other:			

Attachments:

For all construction projects:

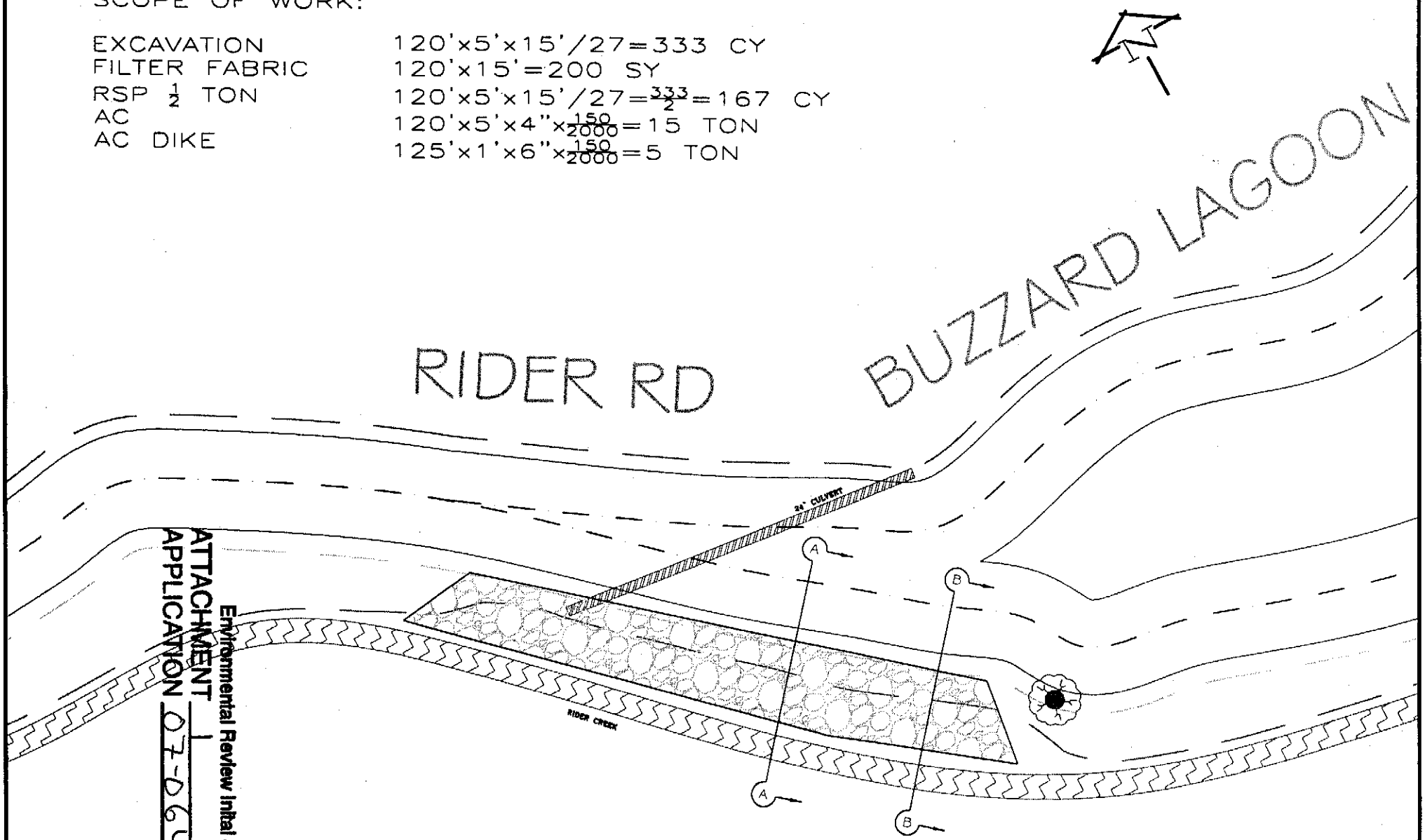
1. Rider Road Plan View
2. Slope Repair Plan
3. Biological Constraints Analysis, dated 1/23/02
4. Rider Road Dewatering Plan
5. Revegetation Plan

Other technical reports or information sources used in preparation of this Initial Study

None

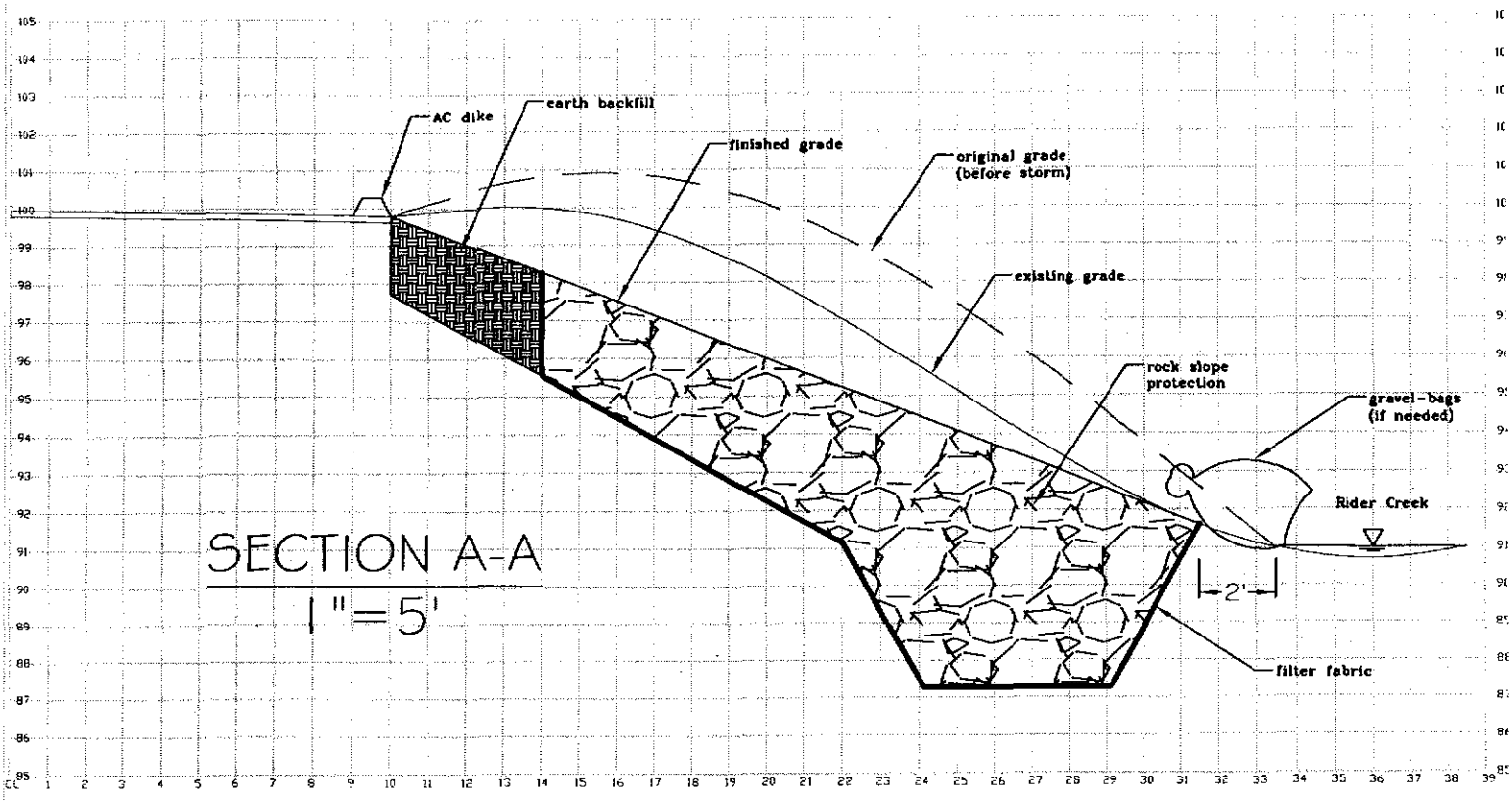
SCOPE OF WORK:

EXCAVATION	$120' \times 5' \times 15' / 27 = 333$ CY
FILTER FABRIC	$120' \times 15' = 200$ SY
RSP $\frac{1}{2}$ TON	$120' \times 5' \times 15' / 27 = \frac{333}{2} = 167$ CY
AC	$120' \times 5' \times 4'' \times \frac{150}{2000} = 15$ TON
AC DIKE	$125' \times 1' \times 6'' \times \frac{150}{2000} = 5$ TON

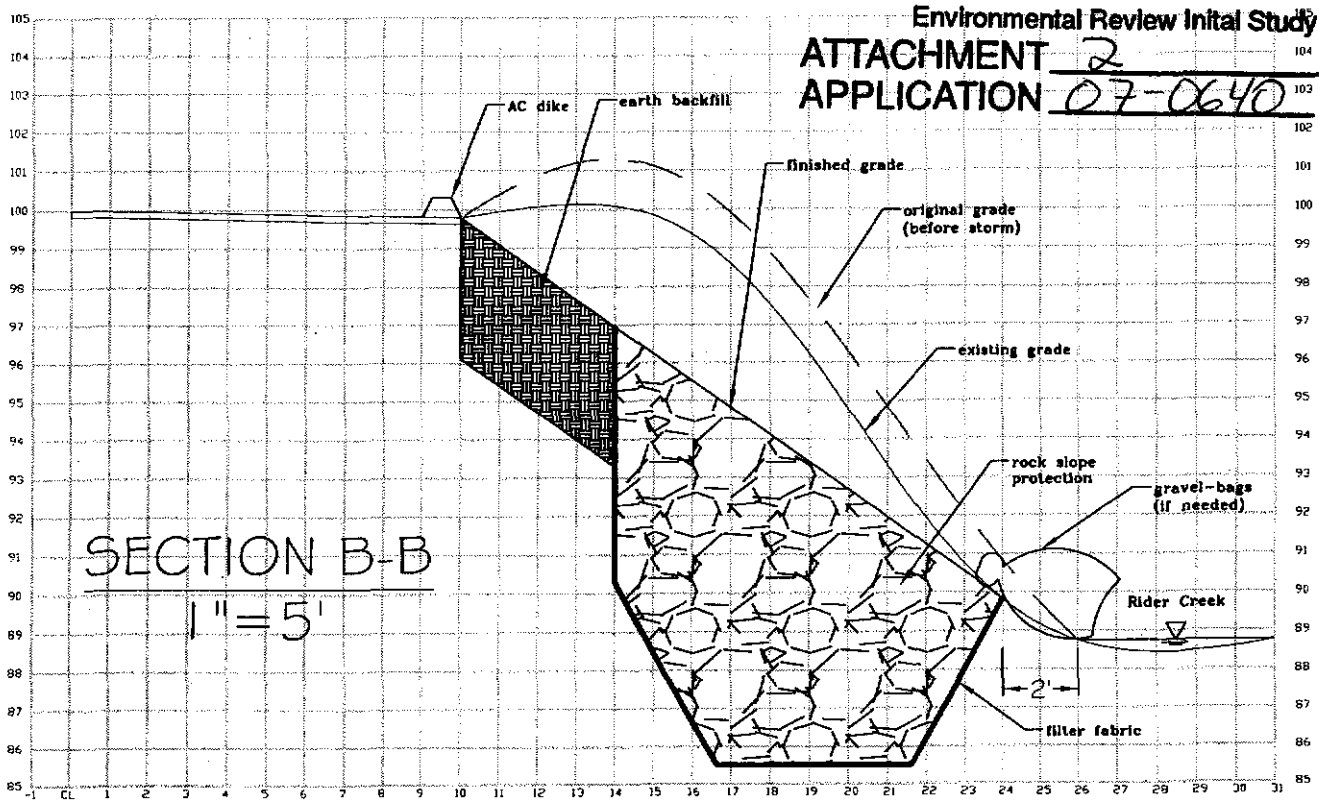


Environmental Review Initial Study
ATTACHMENT 1
APPLICATION 07-0640

RIDER ROAD PLAN VIEW



TYPICAL SECTION STA 0+63.00



TYPICAL SECTION STA 1+00.00

PRELIMINARY BIOLOGICAL CONSTRAINTS ANALYSIS

Site: Rider Road at PM 0.42
Creek or Water body: Rider Creek
Watershed: Corralitos Creek (Pajaro River)
Date of site visit: 1/23/02

Project Description: This project will repair damage to the streambank adjacent to Rider Rd. at PM 0.42. The damage occurred during the 1997 FEMA declared storm event No. 1155. The repairs will restore the sites to pre-storm conditions. The scope of work includes excavating, replacing a drainage culvert, placing 27 tons of rock slope protection (RSP), placing 14 CY of compacted backfill, placing filter fabric, repairing the roadway and erosion control.

The work will be accomplished from the roadway. During construction the equipment will not have to operate in the streambed channel. The only equipment to be used is a tractor backhoe that will be operated from the existing road surface. Silt fences and sandbags will be used during construction to limit the amount of siltation that may occur. Revegetation shall include the installation of willow pole cuttings within the rock slope protection and natural soil areas. The embankment and all disturbed areas will be seeded at the end of the project.

Protected Species of Concern:

California red-legged frog (CRF)

- Presence unknown. Low likelihood of occurrence. No breeding habitat.
- Nearest documented population on private property near the intersection of White and Calabasas Roads.
- Potential project impacts – possible take of individuals dispersing from other areas or over-summering during construction activities.
- Suggested protocol – one day and one night survey within one week of construction, or two daytime surveys where limitations due to dense vegetation are present.
- Avoidance or protection measures – prior to construction, hand removal (handheld machinery okay) of vegetation and monitoring of vegetation removal by biologist(s).
- Suggested construction-period monitoring frequency – not recommended if CRF not found during the pre-construction and vegetation removal surveys.

Steelhead

- Steelhead are likely present in the construction site.
- Nearest documented population in Corralitos Creek.
- Potential Project Impacts - Potential take of steelhead or rainbow trout at the site. Work in the stream during the smolting period may obstruct passage of steelhead smolts from March through July 1. Potential take of other native fish fauna. Potential sedimentation of

the stream channel and increased turbidity to create water quality problems downstream for fishes. Preventing revegetation of project site to cumulatively increase water temperature. Toxic petro-chemical spills or cement entering the flowing water could be lethal to fish downstream.

- Regulatory Agency Consultation - State Fish and Game Department, National Marine Fisheries Service

- A pre-construction survey is unnecessary. There is reasonable certainty that salmonids are present. There is no advantage to sampling the site an extended period prior to construction. It would be just as easy to sample as part of a relocation operation immediately before construction.

- Mitigation measures would include removal and relocation of all fish from the site, using electrofishing and block nets. After fish removal, either construct dams up and downstream of the site and running flow through culverts or channeling the stream on the west side to avoid the project area. Dams should be made of washed gravel with visquine or sandbags that will be removed at the end. Water diversion should be done in one day during the daylight hours. Smolting steelhead migrate at night only. Use silt fencing to prevent sediment from entering the flowing channel. No heavy equipment in the flowing channel. No equipment should be left in the dry channel over night. Keep equipment in good working order. Vegetable oil based hydraulic fluid is preferred. Properly revegetate the bank or the top of bank with appropriate riparian trees. Use erosion control measures, including mulching all bare soil.

- Construction period from June 1 to October 15 at the latest. After the fish relocation, a fish monitor should be present during dam and culvert placement and removal. Any missed fish during the removal process can be removed during the dewatering phase.

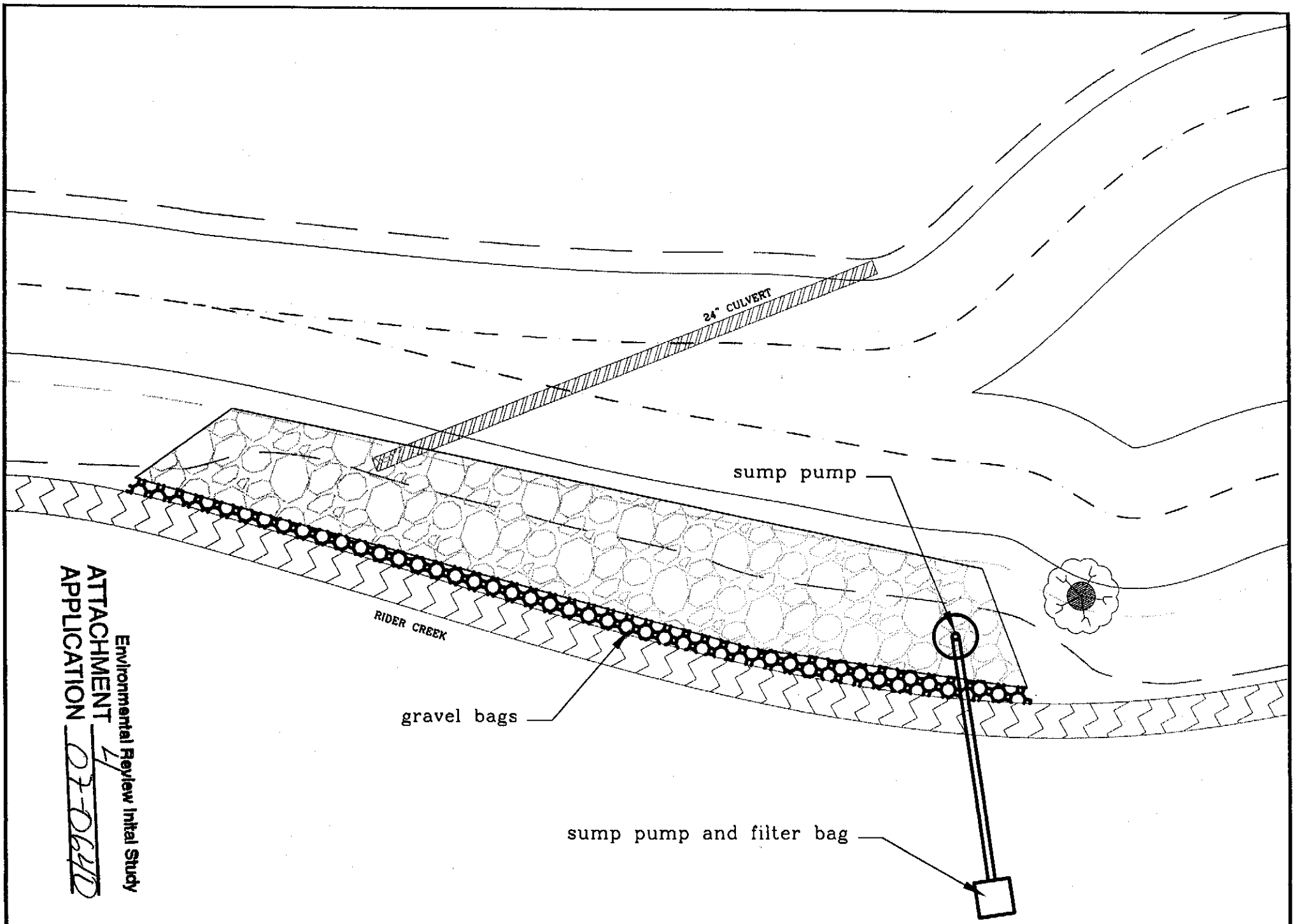
- Fish removal, potential impacts, mitigation measures and monitoring would be the same for resident rainbow trout as for steelhead.

Raptor nesting

- A variety of raptors including sharp-shinned and Cooper's hawks, both species of special concern, may nest in the adjacent mixed conifer-hardwood forest. Pre-construction breeding surveys (2 visits) may be necessary. If found, construction may have to be delayed until after the breeding season, unless an adequate setback can be applied.

Other potential species of concern

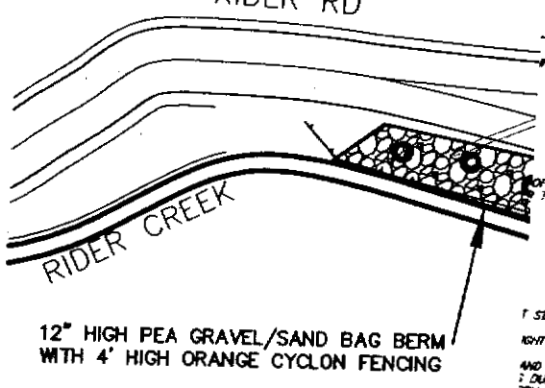
- Western Pond Turtle. If found during the CRF surveys, turtles may need to be captured and relocated to the nearest appropriate habitat.



RIDER ROAD DEWATERING PLAN VIEW

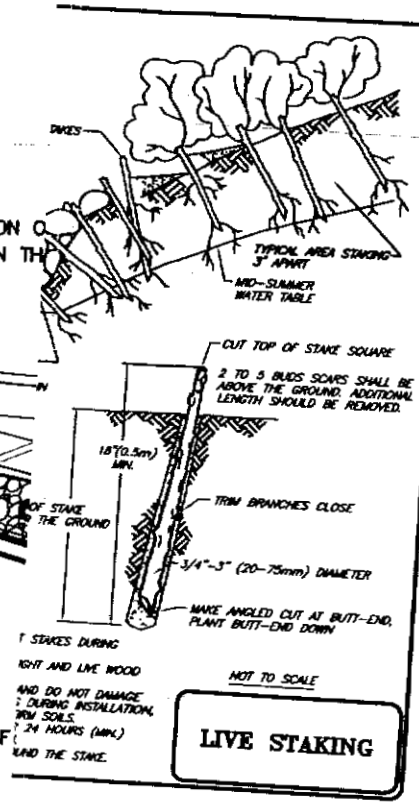
Environmental Review Initial Study
ATTACHMENT 4
APPLICATION 07-0644

VEGETATED RSP (SEE POLE PLANTING DETAIL BELOW). LOCATION O
SONA-TUBES TO BE DETERMINED IN TH



12" HIGH PEA GRAVEL/SAND BAG BERM
WITH 4' HIGH ORANGE CYCLON FENCING

BIGLEAF



LIVE STAKING

REVEGE
NTS

during construction shall be seeded
ative duff. This includes areas outside work area.

Environmental Review Inital Study
ATTACHMENT 5
APPLICATION 07-0640

d and planted when the willows, or other
t. This period is generally from late
re the buds start to break.
select healthy, live wood that is

year old or older. Avoid suckers of
y lack sufficient stored energy reserves
best wood is 2-5 years old with
eply furrowed.
split ends. Trim branches from cutting
butt end of the cutting shall be pointed
shall be cut square.
and bottom of cutting as accomplished
nd. The top, square cut, can be
ng the top 1-2 inches (25-51 mm)
colored latex paint and water. Sealing
s the possibility of desiccation and
sure the stakes are planted with the
kss more visible for subsequent planting

be 3/4 inch (19 mm) or larger
Clus Highest survival rates are obtained from
cut(51-76 mm) in diameter. Larger
Instid for planting into rock riprap.
con

ar (up to 1-1/2 inches (38 mm)) shall
minimum. Thicker cuttings should be
long enough to reach into the
possible.
ength must be into the ground. -
at a terminal bud scar is within 1-4
e top. At least 2 buds and/or bud
round after planting.

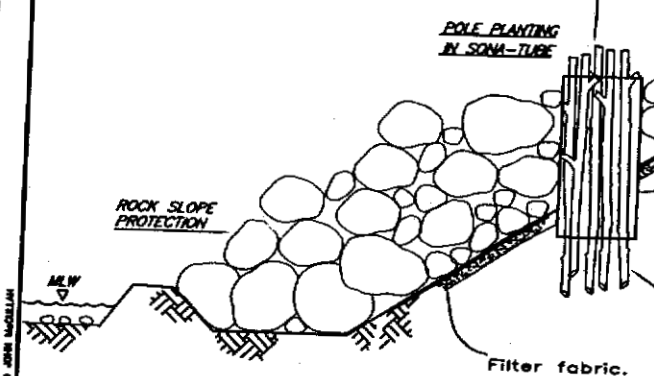
with butt-ends into the ground. Leaf
should always point up.
ved to dry out. All cuttings should be
num of 24 hours. Soaking significantly
of the cuttings, however they may be
are harvested.
feet) on center.
s possible into the soil, preferably with
o the soil and in contact with

od contact between the stake and soil
the soil around the cutting.
, strip the bark or split the stake

shall be removed and replaced.

and maintenance will be required during
the vegetation is estobilished.

NOTES:
1. Live pole planting shall be installed during bank gr
and rock slope protection (RSP) placement to ensure
contact with 'native ground' and soil fill.
2. Live poles shall be placed in 24" diameter Sona-t
equal) and extend down into expected soil moisture
3. Cut holes or slits in filter fabric as necessary for
Sona-tube to be inserted 12" in soil.
4. Place topsoil into Sona-tube around live cuttings
to top of tube.
5. Place RSP carefully, do not end dump.



SHEET NAME: Permanent EC Plan
DRAWING NAME: EC Plan

REVISION	BY	DATE

PROJECT ENGINEER
JOHN SWENSON

COUNTY OF SANTA CRUZ - DEPARTMENT OF PUBLIC WORKS

RIDER ROAD AT BUZZARD LAGOON ROAD
STORM DAMAGE REPAIR PROJECT

DRAWN:	CS
CHECKED:	RG
DATE:	10/07
SCALE:	NTS
JOB NO.	76031
SHEET	EC1 OF 1