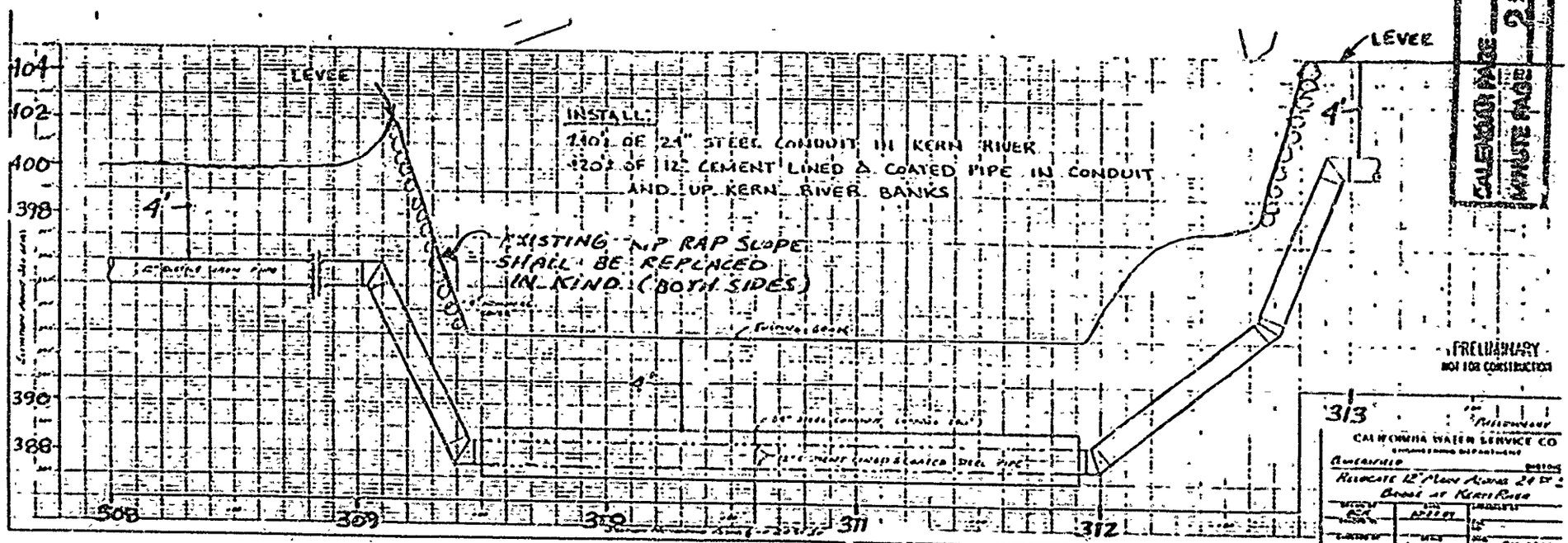

PROFILE OF KERN RIVER @ CROSSING

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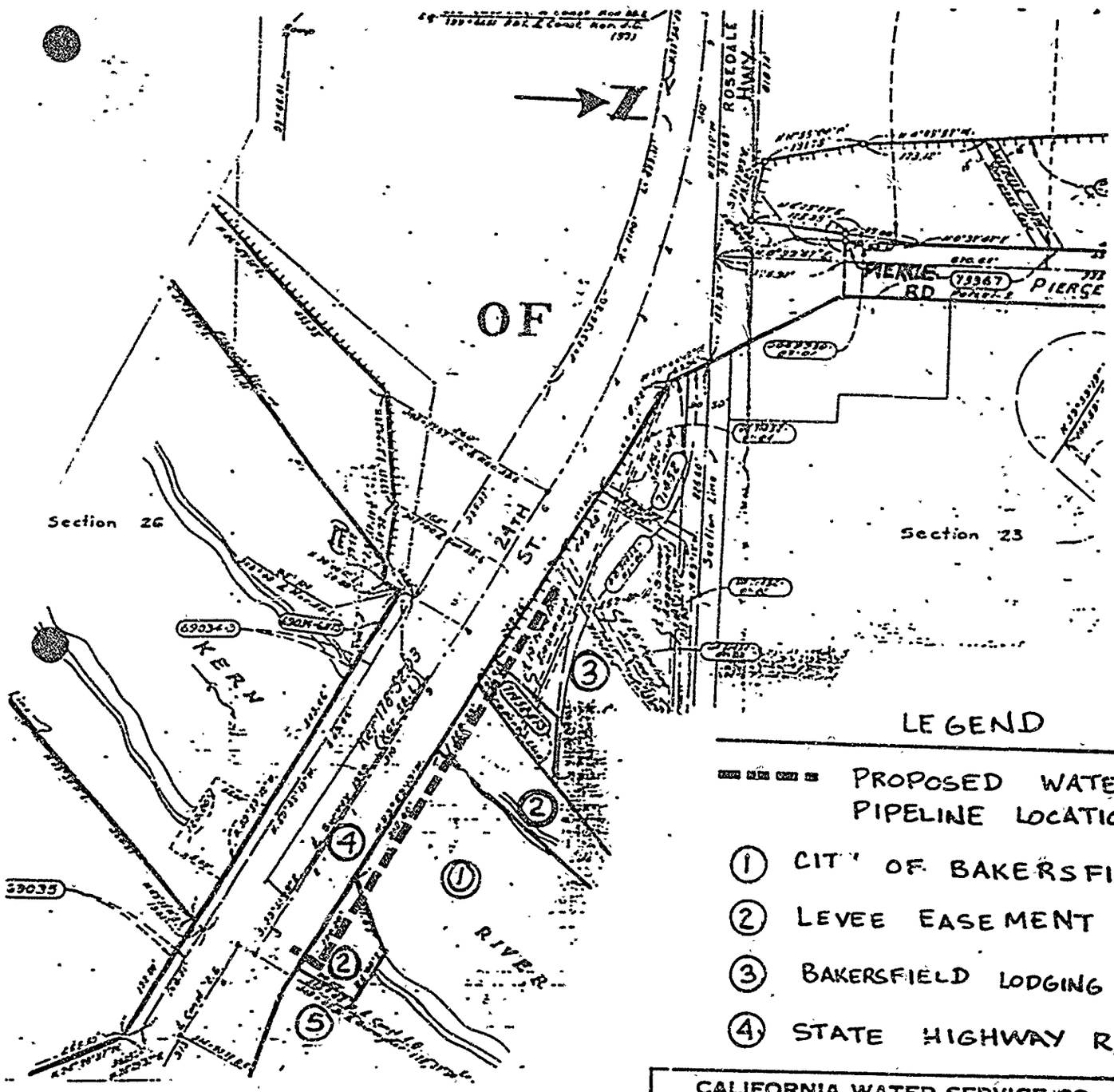
CALIFORNIA WATER SERVICE CO.
ENGINEERING DEPARTMENT
BAKERSFIELD DISTRICT

KERN RIVER CROSSING PROFILE

DRAWN BY	DATE 1-23-90	APPROVED BY
TRACED BY AFG		EST. NO. 6560 F
CHECKED BY	SCALE NTS	DWG. NO.



LEGEND

PROPOSED WATER PIPELINE LOCATION

1. CITY OF BAKERSFIELD
2. LEVEE EASEMENT
3. BAKERSFIELD LODGING LTD
4. STATE HIGHWAY R/W
5. PEEL JPG MARTIN C L ET UK

CALIFORNIA WATER SERVICE CO. ENGINEERING DEPARTMENT		
BAKERSFIELD DISTRICT		
KERN RIVER CROSSING PROPERTY & ADJACENT PROPERTY		
DRAWN BY	DATE 1-25-90	APPROVED BY
TRACED BY AFG		EST. NO. 6560 BK
CHECKED BY	SCALE NTS	SPEC. NO.

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APPENDIX I

ENVIRONMENTAL CHECKLIST FORM
(To be completed by Lead Agency)

I **BACKGROUND**

1. Name of Proponents: California Water Service and Pacific Bell Companies

2. Address and Phone Number of Proponents:

California Water Service Co. 1720 North First Street San Jose, CA 95112-4598 Phone: (408) 453-8415 Contact: Morris Quanrud	Pacific Bell 2515 South Orange Ave. Rm 1A Fresno, CA 93762 Phone: (209) 442-2140 Contact: Tom Mason

3. Date of Checklist Submittal: 6/15/90
4. Agency requiring Checklist: City of Bakersfield (Planning Division)
5. Name of Proposal, if applicable:
Water and Telephone Line Replacement Under the Kern River at the 24th Street Bridge.

II **ENVIRONMENTAL IMPACTS**
(Explanations of all answers are required on attached sheets.)

	YES	MAYBE	NO
1. **Earth** Will the project result in:			
a. Unstable earth conditions or in changes in geologic substructures?			X
b. Disruptions, displacements, compaction, or overcovering of the soil?	X		
c. Change in topography or ground surface relief features?		X	
d. The destruction, covering, or modification of any unique geologic or physical features?			X
e. Any increase in wind or water erosion of soils, either on or off site?		X	
f. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake?	X		

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	YES	MAYBE	NO
g. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards?			X
2. Air Will the proposal result in:			
a. Substantial air emissions or deterioration of ambient air quality?			X
b. The creation of objectionable odors?			X
c. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?			X
3. Water Will the proposal result in:			
a. Changes in currents, or the course or direction of water movements, in either marine or fresh water?		X	
b. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff?			X
c. Alterations to the course or flow of flood waters?		X	
d. Change in the amount of surface water in any body of water?			X
e. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen, or turbidity?			X
f. Alteration of the direction or rate of flow of ground waters?			X
g. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of and aquifier by cuts or excavations?			X

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	YES	MAYBE	NO
3. **Water** Will the proposal r sult in: (continued)			
h. Substantial reducti/ in the amount of water otherwise available for public water supply?			X
i. Exposure of people or property to water related hazards such as flooding or tidal waves?			X
j. Will the proposal result in water service from any public or private entity?			X
4. **Plant Life** Will the proposal result in:			
a. Change in the diversity of species or number of any species of plants (including trees, shrubs, grass, crops, microflora and aquatic plants)?		X	
b. Reduction of the numbers of any unique, rare or endangered species of plants?			X
c. Introduction of new species of plants into an area, or result in a barrier to the normal replenishment of existing species?		X	
d. Reduction in acreage of any agricultural crop?			X
5. **Animal Life** Will the proposal result in:			
a. Change in the diversity of species or numbers of any species or animal (birds, land animals including reptiles, fish and shellfish, benthic organisms, insects or microfauna)?		X	
b. Reduction of the numbers of any unique, rare or endangered species of animals?			X
c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?		X	

		YES	MAYBE	NO
5.	**Animal Life** Will the proposal result in: (continued)			
	d. Deterioration to existing fish or wildlife habitat?		X	
6.	**Noise** Will the proposal result in:			
	a. Increases in existing noise levels?		X	
	b. Exposure of people to severe noise levels?			X
7.	**Light and Glare** Will the proposal produce new light or glare?			X
8.	**Land Use** Will the proposal result in a substantial alteration of the present or planned land use of an area?			X
9.	**Natural Resources** Will the proposal result in:			
	a. Increases in the rate of use of any natural resources?			X
	b. Substantial depletion of any nonrenewable natural resource?			X
10.	**Risk of Upset** Does the proposal involve a risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions?			X
11.	**Population** Will the proposal alter the location, distribution, density or growth rate of the human population of an area?			X
12.	**Housing** Will the proposal affect existing housing, or create a demand for additional housing?			X
13.	**Transportation/Circulation** Will the proposal result in:			
	a. Generation of substantial additional vehicular movement?			X

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	YES	MAYBE	NO
b. Effect on existing parking facilities, or demand for new parking?			X
c. Substantial impact upon existing transportation systems?			X
d. Alterations to present patterns of circulation or movement of people and/or goods?			X
e. Alterations to waterborne, rail or air traffic?			X
f. Increase in traffic hazards to motor vehicles, bicyclists or pedestrians?		X	
14. **Public Services** Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:			
a. Fire protection?			X
b. Police protection?			X
c. Schools?			X
d. Park or other recreational facilities?			X
e. Maintenance of public facilities, including roads?			X
f. Other governmental services?			X
15. **Energy** Will the proposal result in:			
a. Use of substantial amounts of fuel or energy?			X
b. Substantial increase in demand upon existing sources of energy, or require the development of new sources of energy?			X
16. **Utilities** Will the proposal result in a need for new systems, or substantial alterations to the following utilities:			
a. Power or natural gas?			X

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	YES	MAYBE	NO
b. Communications systems?	X		
c. Water?	X		
d. Sewer or septic tanks?			X
e. Storm water drainage?			X
f. Solid waste and disposal?			X
17. **Human Health** Will the proposal result in:			
a. Creation of any health hazard or potential health hazard (excluding mental health)?			X
b. Exposure of people to potential health hazards?			X
18. **Aesthetics** Will the proposal result in the obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to the public view?			X
19. **Recreation** Will the proposal result in an impact upon the quality or quantity of existing recreational opportunities?		X	
20. **Archeological/Historical** Will the proposal result in an alteration of a significant archaeological or historical site, structure, object or building?			X
21. **Mandatory Findings of Significance**			
(a) 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, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	X		

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	YES	MAYBE	NO
(b) 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 will endure well into the future.)			X
(c) Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource is relatively small, but where the effect of the total of those impacts on the environment is significant.)			X
(d) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X

IV. DETERMINATION
(To be completed by the Lead Agency)
On the basis of this initial evaluation:

[ ] I find 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 revisions in the project plans or proposals made by or agreed to by the applicant before the proposed negative declaration is released for public review (or conditions of project approval) would avoid the effects of mitigate the effects to a point where clearly no significant effects would occur, and there is no substantial evidence before the city that the project as revised (or conditioned) may have a significant effect on the environment and that a NEGATIVE DECLARATION WILL BE PREPARED.

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

Date: June 15, 1990

(Signature)
For Jack Hardisty, Planning Director

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APPENDIX I

Water and Telephone Line Replacement Under the Kern River at the 24th Street Bridge

Explanations to all answers.

1. Earth

a. No- Placement of the utility lines underground would not change the geologic conditions of the area.

b. Yes- Utility placement under the River will require trenching and soil disruption, displacement. compaction and overcovering. The trenches will be backfilled upon project completion. Mitigation should include rapid sodding, revegetation and replacement of the original concrete and granite rip-rap after construction to prevent erosion of the streambank into the river and to mitigate potential impacts to habitat and water quality. Mitigation should include the standard requirement for soils reports prior to issuance of building permits and application for appropriate permits from the Kern County Water Agency, State Department of Fish and Game, the State Reclamation Board and Army Corp of Engineers.

c. Maybe- The site is bordered with concrete rip rap and riparian vegetation on the levees and sand in the river bottom. Placement of the utility lines adjacent to the existing bridge, buried under the river, may result in a slight change in the surface relief of the levees or river bottom to a potentially significant degree. Mitigation should include review of grading and excavation plans, elevation drawings, and landscaping and revegetation plans by the City Public Works, Water Resources and Planning Departments, and State Board of Reclamation and State Department of Fish and Game.

d. No- The site contains no unique geologic or physical feature.

e. Maybe- There may be any increase in wind or water erosion of soils, during the relocation and burial of the existing water and telephone pipelines. Mitigation should include adherence to applicable building codes and proper construction practices, such as water spraying to control fugitive dust.

f. Maybe- The project could have the potential to change the deposition of beach sands or cause the erosion, siltation or deposition which may modify the channel of the Kern River. Mitigation to prevent this from occurring to a significant degree should include approval of grading, excavation, and revegetation plans by the City and permit approvals by the State Department of Fish and Game and State Board of Reclamation.

g. No- No geologic hazards are known to occur in the project area.

2. Air

a. No- There will not be an increase or change in the impact to air quality due to the project.

b. No- Relocation of pipelines will not result in the creation of objectionable odors.

c. No- Pipeline burial under the river would not alter air movements, moisture or temperature or climate, either locally or regionally.

3. Water

a.& c. Maybe- The proposed project is within the 100 year floodplain. Construction may result in changes in freshwater currents, or direction of water movements or alter the course or flow of flood waters if the project was to occur when water was present at this end of the river. Mitigation should include designing the placement of utility lines under the river as to not result in a reduction in the river discharge capacity. Mitigation to prevent changes to water movements should include construction at the appropriate times of year when the river is dry in this reach. The applicants must also get approval of a appropriate grading, excavation and revegetation plans from the City and approval of permits from the State Dept. of Fish and Game, Board of Reclamation, and Army Corp of Engineers.

b. & d.- j. No- There will not be a change in surface water runoff, absorption, drainage patterns or amounts in any water body due to the project. The project will not alter the direction or rate of flow or the quality or quantity of ground waters. Relocating, but not increasing, the water lines will not affect the capacity or the amount of water otherwise available for public water supplies, nor will it expose people or property to water related hazards such as flooding or tidal waves.

4. Plant Life

a. Yes- Site development will result in a diversification of plant life due to the removal of some willows, cottonwoods and riparian shrubs, including saltbushes and bushy willows. Mitigation should include:

i. Revegetation of the streambank areas on the north and south banks of the river with appropriate vegetation including cottonwoods and willows. Revegetation will be at an appropriate density and will utilize plants of a large enough size to assure that the creation of a permanent, biologically valuable wetland association will occur.

ii. Only the removal of the minimal amount of streambank vegetation necessary for construction will occur.

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iii. Nearby vegetation will be protected by careful construction practices, including but not limited to:

1. Not storing any construction material or placing any fill on top of or within the dripline of trees or other vegetation which are to remain undisturbed.

2. Heavy equipment will not be operated or parked underneath or on top of such vegetation.

3. If large trees are very close to the area of construction, the City will place temporary barriers around them to protect accidental damage.

iv. Mitigation should also include approval of a landscape plan by the City and revegetation of the riparian vegetation in accordance with the Kern River Parkway Plan, Kern River Plan Element, Kern Channel Maintenance Plan, and appropriate state and local agencies.

b. No- Previous studies and project-specific biological surveys of the site did not identify any sensitive or protected plant species on-site. Although the project is within the Metropolitan Bakersfield Habitat Conservation Plan area, no habitat conservation plan interim mitigation fees will need to be paid since revegetation will be performed and no habitat will be lost.

c. Maybe- New plant species may be introduced as a result of planting of undesirable, non-native landscaping. A barrier should not be created to the normal replenishment of existing plant species. Mitigation should include submittal of a landscaping plan, which will require revegetation or landscaping with native or compatible shrubs and trees.

d. No- No agricultural crop exists on-site.

5. <u>Animal Life</u>

a. Maybe- New animal species may be introduced as a result of the project if native riparian vegetation is not replanted. Mitigation to prevent this should include approval of a landscape plan.

No sensitive or protected species were found on-site, and although no impacts are expected to endangered species (as no signs of their habitation were found during field surveys), removal of or construction to the bridge may affect the nests of cliff swallows, currently attached to the underside of the existing structure. Even though cliff swallows enjoy no special state protection, they are protected during their breeding season under the Federal Migratory Bird Treaty Act. Mitigation should include restricting the removal of the water and telephone lines from April 15 through July 31 to avoid the cliff swallow breeding season.

The applicants should also consult the attached advisory notice prepared by the U.S. Fish and Wildlife Service with regard to potential impacts on the San Joaquin kit fox.

b. No- Replacing the pipelines in this area may not result in the elimination of habitat associated with any endangered or threatened species; however, kit foxes are known to use the Kern River for night-time foraging and migration. Without careful replacement of the existing habitat, cumulative affects of projects such as this in the River could have a substantial impact on the quality of habitat and eventually the numbers of unique, rare and endangered animal species known to use the River.

c. Maybe- An improperly designed levee or revegetation with unsuitable landscaping may result in the introduction of new animal species in the area, or result in a barrier to the migration or movement of animals. Mitigation should include City and State approval of levee design, grading plans and revegetation plans.

d. Maybe- In order to avoid any significant deterioration to existing fish and wildlife habitat in the riverbed, a Section 1603 Permit from the California Department of Fish and Game, and possibly a wetland protection permit from the U.S. Army Corp of Engineers will need to be filed with the appropriate agencies.

6. Noise

a. Maybe- Existing noise levels may increase through relocating the pipelines. The noise study which was performed for the 99/58/178 Interchange Improvements Project by CalTrans (July, 1986) indicated that receptors adjacent to the bridge widening were found to either be within recommended noise levels or were unfeasible and not prudent to mitigate. Noise will increase due to operation of heavy machinery during construction. Since there are no sensitive land uses in the immediate area, this temporary impact requires no mitigation.

b. No- People will not be exposed to severe noise levels because of the proposed pipeline relocation.

7. Light and Glare

No- Because of the bridge widening, new lighting will be added under the 24th Street Bridge at the Kern River. However, light and glare will not increase with the relocation of the pipelines. Mitigation should include limiting all construction activities to occur only during normal daylight hours.

8. Land Use

No- No land use changes are proposed with the project.

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9. Natural Resources
a.& b.
No- No non-renewable or other natural resources exist on-site to be used or depleted.

10. Risk of Upset
No- The proposal does not involve a risk of explosions or releasing hazardous substances.

11. Population
No- The proposal will not alter the location, distribution, density or growth rate of the population of the area.

12. Housing
No- The proposed project will not affect existing or proposed housing.

13. Transportation/ Circulation
a. - e.
No- Traffic and related activity will not increase, nor will transportation systems or parking be affected through the replacement of the utility lines under the river. Impacts related to the bridge widening and the improvements to the interchange were discussed in the Negative Declaration and FONSI completed by CalTrans (SCH# 87010503).

f. Maybe- There may be an increase in traffic hazards to bicyclists if the bicycle path was not left open during construction. Mitigation should include keeping the bikepath open at all times. Construction can include boring under the bikeway or rerouting the bikeway during utility line placement. Complete utility line placement in an expedient a manner as possible.

14. Public Services
a.- f. No- The proposal will not affect or result in any new or altered governmental services, such as fire or police protection, schools, park or other recreation facilities, maintenance of public facilities (e.g. roads), or any other governmental service.

15. Energy
a.- b. No
The relocating of utility lines will not impact to any significant degree the level of fuel or energy consumption.

16. Utilities
a. & d.- f.
No - The project will not require additional utility systems nor cause alterations to the power and natural gas, sewer or septic tanks, storm water drainage, or solid waste and disposal utilities in the area.

b. & c.
Yes - The project is the relocation of existing telephone and water lines.

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17. Human Health
No - No health hazards or hazards to people will be created as a result of the proposed utility line replacement.

18. Aesthetics
No- The proposed project is not intending any uses on the property which would result in the obstruction of any scenic vista or view open to the public, nor will the proposal result in the creation of an aesthetically offensive site open to public view.

19. Recreation
No- The project would not impact the quality or quantity of existing recreational opportunities.

20. Archaeological/ Historical
No- Archaeological and historic Architectural surveys for the area were performed by Caltrans and others during the Negative Declaration performed on the Interchange (SCH# 87010503). Inspection of the area of potential environmental impact for the interchange improvements, which encompasses the area of this project, identified no resources. If, during the construction of the utility lines, historic of prehistoric cultural resources are unearthed, work in the area of the discovery shall cease until the finds can be evaluated, and if necessary, mitigation applied prior to resumption of activity.

21. Mandatory Findings of Significance
a. The project does not 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, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or pre-history.

b. The project does not have the potential to achieve short-term, to the disadvantage of long-term, environmental goals.

c. The project does not have impacts which are individually limited, but cumulatively considerable.

d. The project does not have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.