

Project Title: Flood Control and Storm Drainage Master Plan

Lead Agency Name and Address: City of Elk Grove
Development Services - Planning
8401 Laguna Palms Way
Elk Grove, CA 95758

Project Location: Throughout the City of Elk Grove, within southern Sacramento County.

Project Sponsor's Name and Address: City of Elk Grove

General Plan Designation(s): Commercial, residential, industrial, recreational, open space, small scale agricultural, mixed-use and public facilities.

Zoning: Agricultural, Residential, Commercial, Office, Industrial, Open Space, Special Purpose, and Overlay/Combined Districts

Contact Person: Melissa D. Logue

Phone Number: (916) 361-8384

Date Prepared: March 7, 2008

PROJECT BACKGROUND AND PURPOSE

The City of Elk Grove (City) recognized a need for a comprehensive master planning study to evaluate the major existing drainage facilities serving the City and to define the major facilities to serve future development to accommodate the approved land uses as depicted in the City's General Plan.

Flooding is a major concern within many areas of the City, primarily in the eastern portion where major drainage facilities have not been built and where stormwater flows either in natural channels or small ditches whose capacity is frequently exceeded.

The Elk Grove Flood Control and Storm Drainage Master Plan (FC/SDMP) would improve and expand on existing stormwater drainage facilities throughout the City to eliminate or reduce the flooding potential and would construct new stormwater infrastructure to accommodate increased flows resulting from new development within the city.

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PROJECT DESCRIPTION

Below is a summary of recommended drainage improvements within each major watershed or study area. **Figure 1** shows the approximate locations of improvements proposed under the Flood Control and Storm Drainage Master Plan:

Laguna Creek

- Laguna Creek Bypass Channel Extension.
- Trunk pipes for future development. Upgrade existing pipelines.

Elk Grove Creek

- Detention basins for future development.
- Upgrade existing pipelines.

East Area

- Detention basins for future development and existing deficiencies.
- Pipes and culverts for future development and existing deficiencies.
- Open channel for future development and exiting deficiencies.

Whitehouse Creek

- Upgrade existing pipeline.
- Trunk pipes for future development.

Strawberry Creek

- No improvements recommended.

Laguna West Channel

- No improvements recommended.

Laguna West Lakes

- No improvements recommended.

Lakeside

- No improvements recommended.

Laguna Stonelake

- No improvements recommended.

Shed A

- No improvements recommended.

Shed B

- Trunk pipes for future development.
- Open channels for future development

Shed C

- Open channels for future development
- Trunk pipes for future development

Grant Line Channel

- Pipes upgrades for future development and existing deficiencies.
- Detention basin upgrade for future development.
- Pump station upgrades for future development and existing deficiencies.

Deer Creek

- Detention basins for future development.

ENVIRONMENTAL SETTING

The proposed Flood Control and Storm Drainage Master Plan project site is located throughout both urbanized and rural areas within the City of Elk Grove, in southern Sacramento County. The terrain throughout the City of Elk Grove is relatively flat, with natural creeks, rivers, and channels crossing through. The eastern portion of the city is predominately rural with residences built on large lots where animal raising is common.

Storm drainage within the City is conveyed through a stormwater drainage system consisting of about 400 miles of underground pipes, and 60 miles of natural and constructed channels. See **Figure 2** for a regional location of the project site.

The City drains within 13 major watersheds. There are nine major natural creeks or open channels that convey stormwater runoff within the City, including Deer Creek, Elk Grove Creek, the Grant Line Channel, Laguna Creek, the Laguna West Channel, the Shed A Channel, the Shed B Channel, the Shed C Channel, and Strawberry Creek. Four of the creeks convey runoff that originates outside of the City limits, including Deer Creek, Elk Grove Creek, Laguna Creek, and Strawberry Creek. All of the City watersheds ultimately drain into the Beach Stone Lakes area of Sacramento County, with the exception of Deer Creek and Grant Line Channel watersheds, which drain to Deer Creek and ultimately to the Cosumnes River.

The majority of the City’s stormwater drainage system facilities and channels are owned by the City of Elk Grove, with some portions owned privately. Current land uses of properties adjacent to stormwater drainage system facilities and channels vary widely, and include all types of land uses

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present within the City, such as commercial, residential, industrial, recreational, open space, small scale agricultural, mixed-use and public facilities. Underground stormwater pipes are typically located within or adjacent to public roadways. Natural and constructed channels are typically maintained as open space, with some recreational uses, such as bicycle trails, located along the channel corridor in some areas of the City.

APPROVALS AND PERMITS

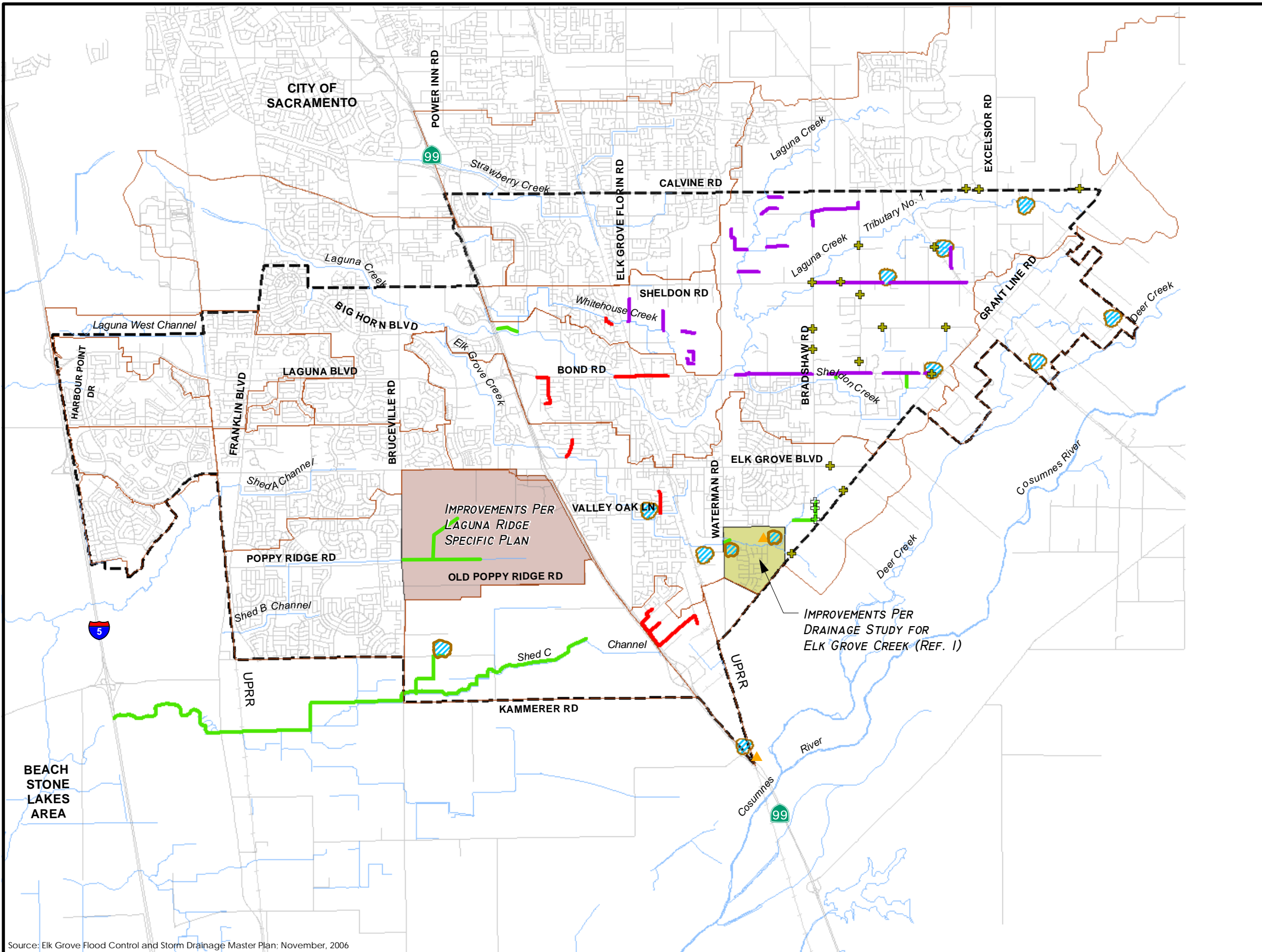
City of Elk Grove

It is anticipated that the City of Elk Grove would take the following actions as part of approval of the proposed project: Certification of the EIR prepared for the Flood Control and Storm Drainage Master Plan, Adoption of the Mitigation Monitoring and Reporting Program, and Adoption of the Flood Control and Storm Drainage Master Plan.

Other Public Agencies

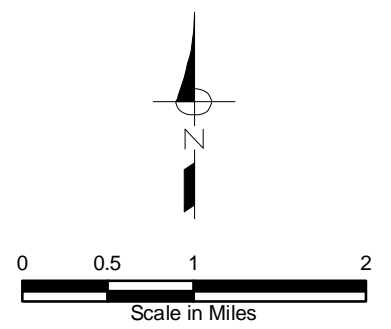
At the programmatic level, it is not anticipated that approvals, permits, etc. would be required from other public agencies. As the FC/SDMP is implemented at the project level, however, approvals, permits, etc. may be required from the following agencies;

- Regional Water Quality Control Board (RWQCB)
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service (USFWS)
- California Department of Fish and Game (CDFG)



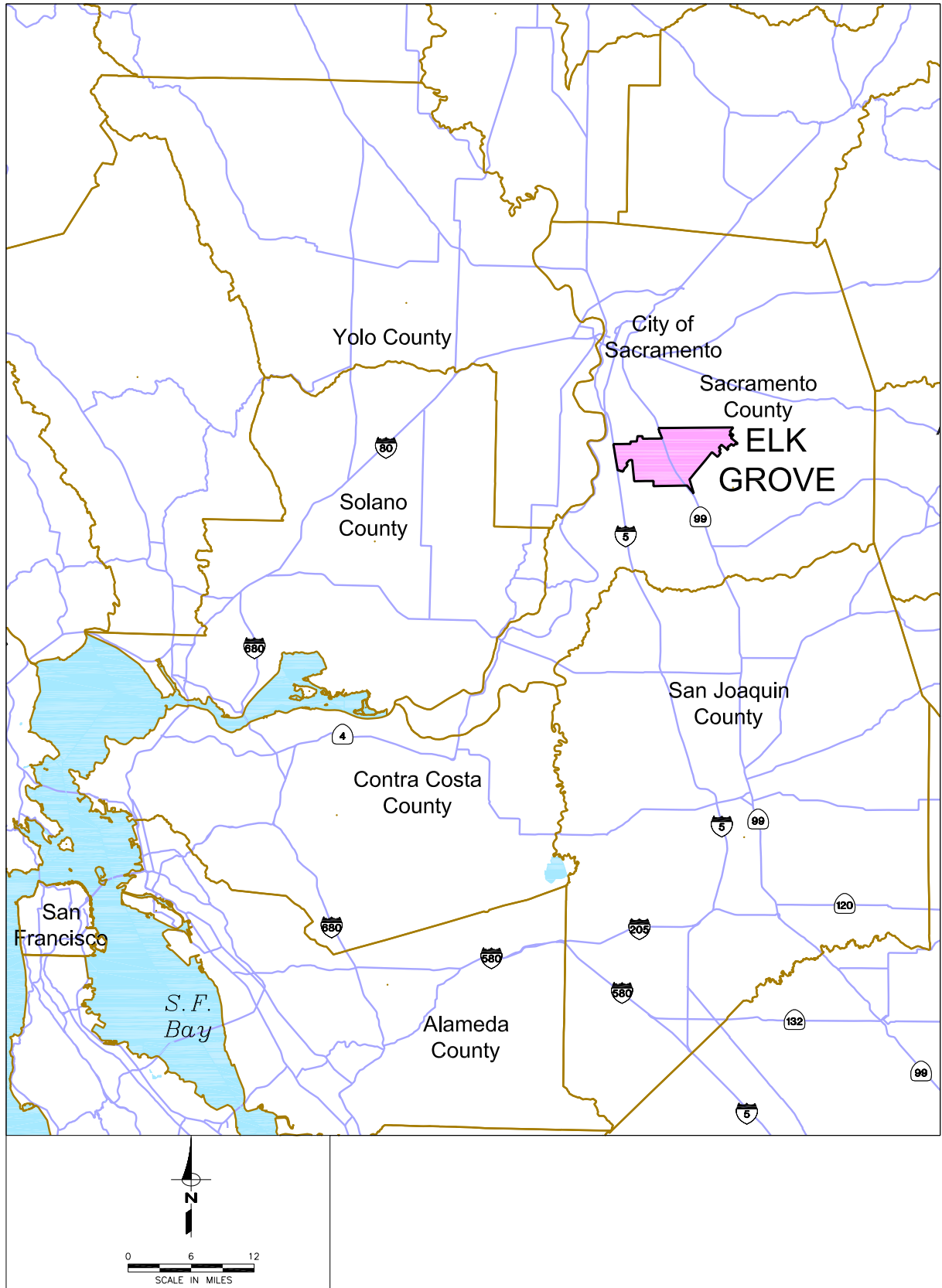
LEGEND:

- Enlarged Existing Pipeline
- New Pipeline
- New or Upsized Channel
- Watershed Boundary
- + New or Upsized Detention Basin (General Location)
- ▲ New or Modified Pump Station
- + Cross Drainage Structure - Existing, to be upgraded
- + Cross Drainage Structure - Proposed
- City Limit



Source: Elk Grove Flood Control and Storm Drainage Master Plan; November, 2006

FIGURE 1
Summary of Recommended Improvements



Source: Elk Grove Flood Control and Storm Drainage Master Plan; November, 2006



ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, as indicated by the checklist and corresponding discussion on the following pages.

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Aesthetics | <input type="checkbox"/> Agricultural Resources | <input checked="" type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input checked="" type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population/Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input checked="" type="checkbox"/> Utilities/Service Systems | <input checked="" type="checkbox"/> Mandatory Findings of Significance | |

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DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- 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 have been made by or agreed to by the project proponent. 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.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Planner’s Signature

Melissa D. Logue

Planner’s Printed Name

March 7, 2008

Date

City of Elk Grove

Development Services – Planning

PURPOSE OF THIS INITIAL STUDY

This Initial Study has been prepared consistent with CEQA Guidelines Section 15063, to determine if the Flood Control and Storm Drainage Master Plan, as proposed, may have a significant effect upon the environment. Based upon the findings contained within this report, the Initial Study will be used in support of the preparation of an Environmental Impact Report.

EVALUATION OF ENVIRONMENTAL IMPACTS

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on project-specific screening analysis).
- 2) All answers must take into account the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are "Potentially Significant Unless Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously

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prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) The explanation of each issue should identify:
 - a) The significance criteria or threshold, if any, used to evaluate each question; and
 - b) The mitigation measure identified, if any, to reduce the impact to less than significance.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** The City of Elk Grove is relatively flat and is developed with commercial, residential, rural, residential, and agricultural uses. Features along existing rivers, creeks, and channels used to convey stormwater include natural vegetation; however there are no designated scenic vistas within the City of Elk Grove; therefore this impacts to scenic vistas would be less than significant and will not be discussed further in the Programmatic EIR.
- b) **No Impact.** According to the Scenic Highways Element of the Elk Grove General Plan, there are no scenic highways in the Elk Grove Planning Area; therefore, this impact will not be discussed further in the EIR.
- c) **Potentially Significant Impact.** Areas developed with residential and commercial uses, and some small parcels of agricultural land dominate the existing visual character throughout the City of Elk Grove. The proposed project would expand stormwater facilities, which may result in the altering of the existing visual character, especially throughout the eastern portion of the city where the existing visual character is largely rural residential with some small agricultural parcels. Modification to or expansion of stormwater facilities would focus on enlarging existing pipelines or drainage channels, with segments of new pipelines proposed to be installed in portions of eastern Elk Grove. The enlargement of existing pipelines would not result in any change to the visual character of the area, since the pipelines would not be been visible from the surface. The enlargement of drainage channels would not result in a significant change to the visual character of the area, because the changes would result in a landscape that is substantially the same as existing conditions. The installation of new pipelines in the eastern portions of the City could result in substantial changes to the visual character of the area, through elimination of roadside ditches and segments of open channels; therefore, impacts to visual character are considered potentially significant and will be further examined in the EIR.
- d) **No Impact.** The proposed project would evaluate the need for and construction of new and upgraded stormwater facilities throughout the city and would not create permanent sources of light or glare. Anticipated improvements would not require the installation or use of permanent light sources; therefore, impacts resulting from light and glare will not be discussed further in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p><i>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland.</i></p>				
<p>II. AGRICULTURAL RESOURCES. Would the project:</p>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** Implementation of the Flood Control and Storm Drainage Master Plan would be limited to drainage facilities, corridors, and creeks, and would not encroach into lands within Elk Grove that have been classified by the California Department of Conservation as “Prime Farmland” and “Farmland of Statewide Importance”. Therefore, the project would have a less than significant impact to this resource, and this impact will not be further examined in the EIR.
- b) **Less Than Significant Impact.** See response to a) above. The project would not encroach onto lands zoned for agriculture or protected by a Williamson Act contract; therefore, the project would have a less than significant impact from conflicts with agricultural zoning or Williamson Act contracts, and this impact will not be further examined in the EIR.
- c) **Less Than Significant Impact.** The proposed project would be limited to improvements to drainage facilities to provide adequate stormwater drainage conveyance for existing and planned and approved growth in the City of Elk Grove. The project would not, in itself, result in changes to the environment or land uses that would result in conversion of farmland to non-agricultural uses. Therefore, the project would have a less than significant impact to conversion of farmland, and this impact will not be further examined in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.</i>				
III. AIR QUALITY. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in significant construction-related air quality impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion:

a) **Potentially Significant Impact.** The City of Elk Grove is located within the jurisdiction of the Sacramento Metropolitan Air Quality Management District (SMAQMD), which has established guidelines for determining the significance of a project on air quality. Operation of the FC/SDMP would not result in changes to air quality, because the proposed improvements do not have any associated uses, such as commercial, residential, or industrial construction) that would draw people to the drainage areas.

Construction of the proposed project may result in increases in ozone precursors, CO, and particulate emissions due to site grading and use of equipment during construction; therefore, the project’s potential construction air quality impacts will be further examined in the EIR.

b) **Less Than Significant Impact.** The Elk Grove General Plan considers residences as well as schools to be "sensitive receptors" in relation to air quality issues. Because the project would take place throughout the city, it is possible that individuals who live, work, or pass through the area may be exposed to nuisance dust and heavy equipment emission odors (e.g. diesel exhaust) during construction of improvements associated with FC/SDMP. Construction emission, however, are typically short-term in nature, and dissipate from a project site rapidly, and are, therefore, not anticipated to result in substantial pollutant concentrations. Therefore, this impact would be considered less than significant and will not be further examined in the EIR.

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- c) **Less Than Significant Impact.** The proposed project would consist of the improvement and expansion of existing stormwater drainage facilities throughout the city. It is not anticipated that the proposed project activities would create or generate odors above any existing levels since wastewater would not be conveyed through them. Additionally, while diesel powered construction equipment may emit objectionable odors during construction of the project, these odors would be temporary and localized, and would dissipate rapidly from a project site. Construction odors could temporarily affect a small number of people during limited hours of the day; therefore, impacts associated with creation of objectionable odors affecting substantial numbers of people are considered less than significant and will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES. Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) 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 wildlife nursery sites?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Potentially Significant Impact.** The proposed FC/SDMP would include upgrading and expansion of existing stormwater drainage facilities along various creeks and watersheds throughout the City of Elk Grove. There is potential for special-status plant and animal species or their habitats to be present within these areas, as well as habitat for other sensitive wildlife species. Additionally, several of the creek corridors could qualify as federally protected wetlands. Project construction may also result in disturbance to migratory bird species and habitat used for nesting or foraging; therefore, impacts to biological resources

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and federally protected wetlands are considered potentially significant and will be further examined in the EIR.

- b) **Less Than Significant Impact.** The proposed project would conform to the requirements of the City of Elk Grove Tree Preservation Ordinance. While some trees may be removed to accommodate project construction, they would be replaced pursuant to the requirements of the ordinance, resulting in a less than significant impact; therefore, this impact will not be further examined in the EIR.
- c) **No Impact.** The City of Elk Grove does not have an adopted Habitat Conservation Plan or a Natural Community Conservation Plan. Additionally, the proposed project area would not be subject to any other state, regional, or locally adopted conservation plans; therefore, there would be no impact to these types of adopted conservation plans with project construction and this will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion:

a-c) **Potentially Significant Impact.** Although implementation of the proposed FC/SDMP is not anticipated to affect historical, archaeological or paleontological resources within the project area, construction activities may result in impacts to previously unidentified or undiscovered resources if they are uncovered or disturbed during construction activities; therefore, impacts to historical and archaeological resources are considered potentially significant and will be further examined in the EIR.

d) **Less than Significant Impact.** The proposed FC/SDMP would be subject to State law regarding the discovery and disturbance of human remains during construction activities. It is not anticipated that any human remains would be encountered during construction of individual improvements from the FC/SDMP. However, should any previously unidentified or unanticipated human remains be discovered during subsequent project construction, the City of Elk Grove requires mitigation consistent with General Plan Archaeological and Paleontological Policy HR-6-Action 2; therefore, impacts to human remains would be considered less than significant and this issue will not be further discussed further in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. GEOLOGY AND SOILS. Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) 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 based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a)
- i) **Less than Significant Impact.** The City of Elk Grove General Plan EIR (SCH #2002062082) indicates that no active or potentially active faults underlie the City of Elk Grove based on published geological maps. The City is not located within an Alquist-Priolo Fault Study

Zone. The nearest known fault zone is the Foothills Fault system, located over 22 miles east of the City. The proposed project site is not underlain by any active or potentially active faults, therefore impacts relative to ground rupture are considered less than significant and this impact will not be further discussed in the EIR.

- ii) **Less than Significant Impact.** Any major earthquake damage in the City of Elk Grove is likely to occur from ground shaking and seismically related ground and structural failures. Local soil conditions such as topography, soil strength, thickness, density, water content, and firmness of underlying bedrock affect seismic response. Seismically induced shaking and some damage could occur but damage would not likely be severe due to the distance of the City from a fault zone. Nonetheless, the proposed project would be required to conform to the Uniform Building Code (UBC). UBC requirements for Seismic Zone 3 are intended to be sufficient to prevent significant damage from ground shaking during seismic events. Furthermore, General Plan Safety Element Policies SA-25 and SA-26 and associated action items SA-25 Action 1 and SA-26 Action 1 would reduce seismic hazards to a less than significant level. Therefore, the adverse effects would be mitigated through General Plan policies and compliance with UBC requirements. Impacts relative to strong seismic ground shaking would be considered less than significant and will not be further discussed in the EIR.
 - iii) **Less than Significant Impact.** Liquefaction is the loss of soil strength due to significant seismic forces and is most likely to occur in deposits of water-saturated alluvium or similar deposits of artificial fill. The City of Elk Grove General Plan EIR (SCH #2002062082) indicates that based upon known soil types, groundwater, and ground shaking conditions throughout the City, the potential for liquefaction is considered low. Additionally, the potential for ground lurching, differential settlement and lateral spreading is also considered low; therefore, this impact would be considered less than significant and will not be further discussed in the EIR.
 - iv) **No Impact.** The terrain throughout the City of Elk Grove is relatively flat and there are no geological features surrounding the site that would pose a landslide threat. Therefore, no impact would occur and this impact will not be further discussed in the EIR.
- b) **Less Than Significant Impact.** Implementation of the proposed FC/SDMP would not result in substantial soil erosion or loss of top soil during construction or operation of the project. The project would be designed and constructed in compliance with applicable building codes and federal, state, and local regulations that require that a project not result in substantial erosion during construction or operation. Additionally, the project is intended and designed to provide adequate stormwater drainage throughout the City, which would control and prevent flooding events that would result in soil erosion and loss of top soil. The project would result in less than significant impacts from soil erosion and loss of top soil, and this issue will not be further examined in the EIR.
- c) **Less Than Significant Impact.** The project site is generally flat and it is unlikely that any hazards associated with landslides or mudflows would occur. Withdrawal of fluids (e.g., groundwater, natural gas, and oil) can, in some cases, result in subsidence. The proposed project would not require the removal of any groundwater or other liquids nor would it consist of penetrating the soil to depths required to retrieve these mentioned fluids. Additionally, the project would not be constructed in an area that is subject to liquefaction or collapse. As such, this is considered a less than significant impact and will not be further examined in the EIR.

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- d) **Less Than Significant Impact.** The City of Elk Grove is primarily composed of silty clays and loams. These soils have a medium potential for expansion. Expansive soils can cause structural damage to foundations, slabs, pavement, and exterior flatwork unless properly identified and managed. Expansive soils swell when they absorb moisture and shrink as they dry, exposing projects to potential structural damage. Improvements associated with the FC/SDMP, however, would consist primarily of modifications to drainage facilities that do not require major structures that could be affected by expansive soils. Additionally, any piping, etc. that would be installed by the project would be subject to the design requirements of the Uniform Building Code, which would insure that facilities are designed appropriately for the type of soils in the area. Therefore, it is anticipated that the project would not create a substantial risk to life or property as a result of construction in moderately expansive soils, and this is a less than significant impact that will not be further examined in the EIR.
- e) **No Impact.** The County Sanitation District-1 (CSD-1) is the agency responsible for providing sewer service within Elk Grove. The proposed FC/SDMP would not require additional sewer service or wastewater disposal systems; therefore, no impacts related to wastewater disposal are expected and this impact will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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Discussion:

- a) **Less than Significant Impact.** The proposed FC/SDMP would be limited to the improvement and expansion of existing stormwater drainage facilities throughout the city. Proposed features of the FC/SDMP do not include activities that would create or require the need for the transporting or disposal of hazardous materials; therefore, impacts related to the transport and use of hazardous materials are considered less than significant and will not be further discussed in the EIR.
- b) **Potentially Significant Impact.** As discussed in a) above, the proposed FC/SDMP would not create a need for routine transport of hazardous materials. However, during construction of improvements at individual sites, heavy construction equipment may be used, which would involve the emission of hazardous substances or the handling of minor amounts of hazardous materials, such as during fueling or maintenance activities. Therefore, impacts related to the accidental release of hazardous materials into the environment will be further examined in the EIR.
- c) **Less Than Significant Impact.** Because improvements would be located throughout the City of Elk Grove, it is possible that improvements could take place within one-quarter mile of an existing or proposed school. Construction activities associated with implementation of the FC/SDMP may include refueling and minor maintenance of construction equipment on-site which, as discussed in b) above, could lead to minor fuel and oil spills. However, any minor fuel or oil spills associated with construction equipment maintenance would be relatively small and localized, and could be easily contained. Minor fuel or oil spills during construction of the project would, therefore, have a less than significant impact on schools located in the area.

The use of diesel powered construction equipment would result in emissions of diesel exhaust, the exposure to which can be hazardous to humans if exposed to large quantities. Construction activities associated with implementation of the FC/SDMP, however, would be relatively small in size, and would be short-term in nature, and would not expose nearby sensitive receptors to large quantities of diesel exhaust. Additionally, diesel exhaust dissipates rapidly from a construction site, and it is anticipated that the project would not emit significant amounts of diesel exhaust in concentrations that would be hazardous to nearby schools. Therefore, impacts associated with diesel emissions from project construction would be considered less than significant and will not be further discussed in the EIR.

- d) **Less Than Significant Impact.** There are many hazardous materials sites located throughout the City of Elk Grove, as included in the list compiled pursuant to Government Code Section 65962.5. However, the hazardous materials sites identified within the City are not associated with drainage channels and sheds where improvements proposed under the FC/SDMP would be located. Additionally, the limited nature of the construction of proposed drainage improvements is not anticipated result in disturbance to any hazardous materials sites located within the City. Therefore; it is anticipated that the project would have less than significant impacts to the public from disturbance of hazardous materials sites, and this issue will not be further discussed in the EIR.
- e-f) **No Impact.** The proposed project activities would not create any structures or facilities that might affect the designated land uses within an airport; therefore there would be no impact to airports and this issue will not be further discussed in the EIR.

- g) **No Impact.** Upon incorporation, the City of Elk Grove adopted the Sacramento County Multi-Hazard Disaster Plan (SCMDP), which addresses planned response to extraordinary emergency situations associated with natural disasters and technological incidents. The SCMDP focuses on operational concepts relative to large-scale disasters which can pose major threats to life and property requiring unusual emergency responses. Additionally, the City adopted the Sacramento County Area Plan (SCAP), which is used as a guideline for hazardous material related accidents or occurrences. The FC/SDMP would be required to provide adequate emergency access throughout construction; therefore, impacts to implementation of emergency response or evacuation plans would not occur and this issue will not be further discussed in the EIR.
- h) **No Impact.** The City of Elk Grove does not contain any wildland areas within its limits, nor is it located adjacent to any wildland areas; therefore, no people or structures would be exposed to a significant risk of loss, injury or death involving wildland fires and this impact will not be further discussed in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? (Source:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. HYDROLOGY AND WATER QUALITY. Would the project:				
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Potentially Significant Impact.** Implementation of the proposed project would include construction-related activities that could expose soil to erosion during storm events, causing degradation of water quality. This issue will be further examined in the EIR.
- b) **Less Than Significant Impact.** The proposed project would not create or require changes in use of groundwater resources, which are typically seen through increased development. Therefore, significant impacts related to groundwater would not occur and this issue will not be further discussed in the EIR.
- c-d) **Potentially Significant Impact.** The proposed project would include the modification of existing stormwater drainage facilities, allowing for increased flows. This may result in a potentially significant impact and will be further examined in the EIR.
- e) **No Impact.** The proposed project would accommodate existing and increased stormwater flows from planned and approved development throughout the city and would not in itself create or contribute to runoff; therefore, this issue will not be further discussed in the EIR.
- f) **Less Than Significant Impact.** No additional impacts to water quality are anticipated other than those identified in items a) through e), above.
- g) **No Impact.** The proposed project would not construct housing or other structures or facilities that would place housing within a 100-year flood hazard area; therefore impacts to housing within a 100-year floodplain would not occur and this issue will not be further discussed in the EIR.
- h) **Potentially Significant Impact.** The proposed project would improve stormwater drainage and accommodate current and future planned growth through the expansion and upgrading of existing facilities. Portions of the City of Elk Grove are within Zone X of the Flood Insurance Rate Map for Sacramento County, which means that these areas are within the 500-year floodplain. There are also Special Flood Hazard Areas within the Planning Area, which means that these areas are within the 100-year floodplain. Implementation of the FC/SDMP could redirect stormwater flows in portions of the City of Elk Grove. This issue will be further examined in the EIR.
- i) **Less than Significant Impact.** The proposed project would expand existing stormwater facilities for the purpose of accommodating existing and planned growth within the city. The project would allow for conveyance of increased stormwater flows, which would improve

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the existing and future conditions as compared to without the project. The project would not include construction of a levee or dam and would not cause a significant risk from the exposure of people or structures to severe flooding; therefore, potential for exposure to flooding is considered less than significant and will not be further discussed in the EIR.

- j) **No Impact.** The City of Elk Grove is not located near any ocean, coast, or seiche hazard areas that could threaten inundation by seiche, tsunami, or mudflow; therefore, there would be no impact regarding these types of inundations and this issue will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** The proposed FC/SDMP project area is located throughout the City of Elk Grove. Implementation of the project would improve existing stormwater facilities and construct expansions of facilities to accommodate planned growth within the city. The project would not physically divide an established community and this issue will not be further discussed in the EIR.
- b) **Less Than Significant Impact.** The FC/SDMP is intended to provide a plan for sufficient stormwater drainage facilities to adequately convey stormwater from existing and future land uses, as identified in the City of Elk Grove General Plan. The FC/SDMP is consistent with the City’s Land Use Plan, as described in the General Plan, and would not conflict with any Land Use or General Plan policies adopted for the purpose of avoiding or mitigating an environmental effect. This issue will not be further examined in the EIR.
- c) **No Impact.** No habitat conservation plans or natural community conservation plans are in place or applicable to the City. The project would not conflict with any applicable habitat conservation plan or natural community conservation plan; therefore, no impact to conservation plans would occur and this impact will not be discussed in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** The Sacramento County General Plan EIR has identified portions of the City of Elk Grove to contain mineral deposits, aggregate deposits, and gas deposits. The limited nature of the improvements proposed under the FC/SDMP would not affect availability of or access to any the resources identified above, and the project would result in a less than significant impact on these resources. This issue will not be further examined in the EIR
- b) **No Impact.** There are no resource recovery sites delineated on any local general plan, specific plan, or other land use plan; therefore, no impact to a locally important mineral resource would occur and this impact will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. NOISE. Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** Implementation of the proposed FC/SDMP could result in short-term, temporary construction noise increases. This construction noise would cease once construction is completed. Additionally, compliance with City of Elk Grove General Plan policy NO-3 along with associated action items would help minimize construction noise impacts by limiting the hours of construction to daytime hours. Therefore, this impact would be considered less than significant and will not be further addressed in the EIR.
- b) **Less than Significant Impact.** Construction activities could result in varying degrees of groundborne vibration, depending on the equipment used and activities being performed. Since construction activities would be limited to improvement or expansion of stormwater facilities, and no activities, such as construction of bridges that require pile-driving activities, would take place, it is anticipated that construction activities would have a less than significant impact from groundborne vibration noise during project construction. The General Plan EIR (SCH #2002062082) identified construction noise impacts as being significant and unavoidable and a Statement of Overriding Considerations was adopted in

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association with these impacts on November 19, 2003 (Resolution 2003-216). The proposed FC/SDMP would not create new noise impacts from exposure to groundborne vibrations or temporary construction noise that was not previously addressed in the Elk Grove General Plan EIR. Therefore, groundborne vibrations, or temporary construction noise impacts, are considered less than significant and will not be further addressed in the EIR.

- c) **No Impact.** The proposed project would not include any permanent features that would result in increased ambient noise levels than those already existing. Project features would consist of expansion of and improvements to existing stormwater drainage facilities and creation of detention basins, neither of which would generate substantial permanent ambient noise level increases above those already existing; therefore, this issue will not be further addressed in the EIR.
- d) **Less Than Significant Impact.** See response to item a) above.
- e-f) **No Impact.** The Sunset Sky ranch Airport is located approximately 2 miles north of Deer Creek in the southernmost part of the City of Elk Grove. Implementation of the proposed project would not affect airport operations, nor would the proposed project result in the development or relocation of any noise-sensitive land uses in proximity to any airport or airstrip. As a result, implementation of the proposed project would not result in increased exposure of individuals to excessive aircraft noise levels. Therefore, no impact is expected and this impact will not be further discussed in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. POPULATION AND HOUSING. Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **Less Than Significant Impact.** The proposed FC/SDMP would be constructed to accommodate both existing need and planned and approved growth throughout the city. Improvements to future facilities would likely follow approval of developments; therefore, the project would accommodate approved growth and not induce it. This impact will not be further discussed in the EIR.
- b) **No Impact.** The proposed FC/SDMP project would neither displace any housing or people, nor would it require the construction of replacement housing elsewhere; therefore, this issue will not be further discussed in the EIR.
- c) **No Impact.** See response to item b), above.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental 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</i>				
XIII. PUBLIC SERVICES. Would the project result in:				
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

a-e) **No Impact.** The proposed project would not include any actions that would result in increased human presence or need for new governmental facilities or services. The project would accommodate existing and planned stormwater drainage needs resulting for planned growth; therefore, no impacts to public services would result from the project and these issues will not be further examined in the EIR.

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. RECREATION. Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

- a) **No Impact.** The proposed FC/SDMP would not increased human presence in the area and would not include features designed for recreational uses; therefore, the project would not increase use of existing parks and recreational facilities and this issue will not be further discussed in the EIR.
- b) **No Impact.** See response a), above. No recreational facilities are proposed as part of the project, nor would existing facilities need to be expanded as a result of the project. Therefore, this impact is considered less than significant and will not be discussed in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. TRANSPORTATION/TRAFFIC. Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that result in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

a-b) **Less Than Significant Impact.** The proposed FC/SDMP would not include features that would increase the use of existing roadways or human presence in the area. During construction, temporary minor traffic increases would occur as a result of construction equipment vehicles and employee vehicle trips to and from the area. These impacts, however, would be temporary in nature and would end upon project construction; therefore impacts resulting in increased traffic and service levels would be less than significant and this issue will not be further discussed in the EIR.

c) **No Impact.** The proposed FC/SDMP does not include any activities that would interfere, change, or increase the air traffic levels in the regions. The project would therefore result in no impacts to air traffic patterns and this issue will not be further discussed in the EIR.

- d) **No Impact.** The proposed FC/SDMP would not include the construction or modification of any roadways; therefore, this impact will not be further discussed in the EIR.
- e) **No Impact.** During construction of the proposed FC/SDMP, some work may be required to take place near existing roadways. These activities would be temporary and designated parking areas for construction and related vehicles would be located off of the roadways to allow for emergency access throughout construction site. Due to the short-term nature of the construction activities, no impacts to emergency access are anticipated and this issue will not be further discussed in the EIR.
- f) **No Impact.** The proposed FC/SDMP does not include the construction of development that would require parking and would not result in the removal of existing parking; therefore, no impacts to parking capacity would result from the project and this issue will not be further discussed in the EIR.
- g) **No Impact.** The proposed FC/SDMP would not conflict with any adopted plans or policies regarding alternative transportation. The proposed project would improve the City of Elk Grove's existing stormwater drainage facilities to accommodate new and proposed growth within the city and would not interfere with existing or proposed alternative transportation plans or policies; therefore, no impacts related to alternative transportation would occur and will issue will not be further discussed in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. UTILITIES AND SERVICE SYSTEMS. Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion:

a-b) **No Impact.** The proposed FC/SDMP would improve and expand existing stormwater drainage facilities throughout the city and would not create sources of wastewater or a demand for additional wastewater treatment facilities; therefore, no impacts to wastewater would occur and this issue will not be further discussed in the EIR.

c) **Potentially Significant Impact.** The proposed FC/SDMP would improve and expand existing stormwater drainage facilities throughout the City of Elk Grove. This issue will be further examined in the EIR.

d) **No Impact.** The proposed FC/SDMP would not require any water supply to function after construction. The project would receive increased stormwater flows resulting from existing and approved future growth throughout the city; therefore, no impacts regarding water supply would result and this issue will not be further discussed in the EIR.

- e) **No Impact.** Increases in water demand are typically associated with projects that generate increased human presence, such as residential and commercial development. The proposed FC/SDMP would not increase human presence and as discussed in a), b) and d) above, the project would not generate a demand for water or improved or expanded wastewater facilities; therefore, it is anticipated that the project would not affect existing wastewater capacity and this issue will not be further discussed in the EIR.
- f-g) **Less Than Significant Impact.** The Sacramento County Landfill of Kiefer Boulevard is the primary landfill for all solid waste generated within the county. The landfill receives approximately 850,000 tons of solid waste per year and is anticipated adequately serve the projected population of Sacramento County through the year 2018. The proposed FC/SDMP would require earth moving activities during construction in order to achieve the planned stormwater improvements necessary to accommodate the City's recent and projected growth, however the need for a solid waste disposal site has not yet been determined. Additionally, the project would not generate any ongoing service by a landfill. If a solid waste site will be utilized, the project would comply with federal, state, and local statutes and regulations regarding solid waste; therefore, impacts to solid waste would be considered less than significant and this issue will not be further discussed in the EIR.

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	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p><i>NOTE: If there are significant environmental impacts which cannot be mitigated and no feasible project alternatives are available, then complete the mandatory findings of significance and attach to this initial study as an appendix. This is the first step for starting the environmental impact report (EIR) process.</i></p>				
<p>XVII. MANDATORY FINDINGS OF SIGNIFICANCE. Does the project:</p>				
a) 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) 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, the effects of other current projects, and the effects of probable future projects)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion:

- a) **Potentially Significant Impact.** The proposed FC/SDMP has the potential to significantly impact special status species and other wildlife populations and their habitats within the project area. These issues will be further examined in the EIR.
- b) **Potentially Significant Impact.** The proposed FC/SDMP may have impacts that are cumulatively considerable, including the potential to remove impediments to growth in the City. This issue will be further examined in the EIR.
- c) **Potentially Significant Impact.** Construction of the proposed FC/SDMP may result in impacts to the environment, which may potentially affect human beings. These issues were discussed in this Initial Study will be further examined in the EIR.

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