CITY OF WESTMINSTER
INITIAL STUDY (IS) AND ENVIRONMENTAL ASSESSMENT (EA)

The purpose of this IS/EA is to satisfy the environmental review requirements of the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) because of federal funding. Please note that under CEQA the proposed development is referred to as a "project" and under NEPA it is referred to as an "action." For purposes of simplification, in this document, the proposed development will be referred to as "project."

This IS/EA follows the outline given in the CEQA Guidelines Checklist to address the potential environmental impacts of the proposed project. NEPA also requires analysis of project alternatives in the same level of detail as the proposed project. As discussed below under Section II Project Description, Item 6 Description of Alternatives (NEPA Requirement), except for the No Project Alternative, all other alternatives were considered for further analysis but rejected. Thus, in addition to the proposed project, this environmental review addresses environmental impacts associated with the No Project Alternative.

The environmental issues typically addressed under CEQA are similar to the issues addressed under NEPA, with a few exceptions. The responses to each of the Checklist questions below are meant to satisfy the environmental review requirements for both CEQA and NEPA issues and a reference to the corresponding CEQA issues in the Checklist, where the reader can find the discussion of that issue. For those NEPA issues not addressed in the CEQA Checklist, a discussion of the proposed project's potential impacts related to those issues is provided.

INITIAL STUDY (IS) AND ENVIRONMENTAL ASSESSMENT (EA)

I. PROJECT INFORMATION

1. Project Title

Water Quality Improvement Pilot Project for Storm Water Cleanup

2. Lead Agency

City of Westminster
8200 Westminster Blvd.
Westminster, CA 92683
Project Manager:
Marwan Youssef
Director of Public Works and City Engineer
(714) 898 3311, ext. 219

3. Cooperating Agency

US Environmental Protection Agency (EPA)
Region 9
Southern California Field Office
600 Wilshire Blvd., Suite 1460
Los Angeles, CA 90017
Grant Manager:
Howard Kahan
Environmental Scientist
(213) 244-1819
E-mail: kahan.howard@epa.gov

Federal Project Number XP 96965901-0

4. Preparers of the IS/EA/FONSI

City of Westminster
8200 Westminster Blvd.
Westminster, CA 92683

Project Manager:
Marwan Youssef
Director of Public Works and City Engineer
(714) 898 3311, ext. 219

5. Total Cost of Project/Action and EPA and City Portions

EPA Portion	55%:	$626,300
City Portion	45%:	$512,427
Project/Action Total Cost	100%:	$1,138,727

6. Project Location

The project is located within the area bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by Cedarwood St. and 375' east of Hoover St., and on the south by Hazard Ave. having a total drainage area of 88.16 acres.

7. General Plan Designation

Residential - Low (4-7 Dwelling Units per Acre)
Residential - Medium (15-14 Dwelling Units per Acre)
Commercial - Low Intensity
Commercial – General
Industrial
Public / Simi Public
Park / Open Space

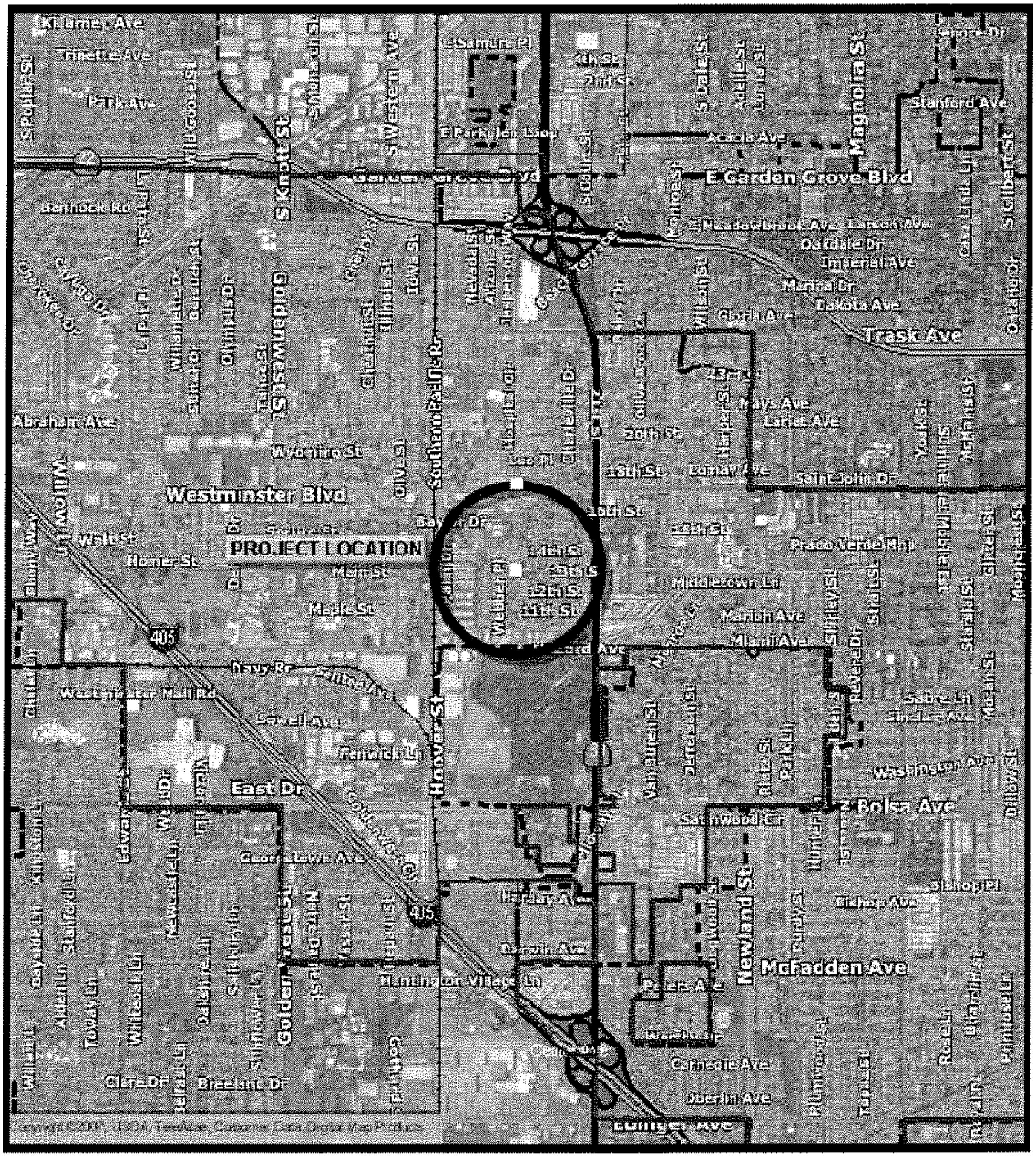
8. Zoning

Westminster Blvd. and Beach Blvd. frontages --- C-1 Local Business and
C-2 General Business

Cedarwood St. frontage ----------R-1 Single Family Residence
R-4 Multiple Units (Residential) 15-18 Units per Acre

Hazard Ave. frontage ---------- R-1 Single Family Residence
M-1 Light Industrial
P-SP Public and Simi Public
P-OS Park Open Space
P-F Public Facilities

Main body of drainage area ---------- R-4 Multi Units 15-18 Units per Acre



CITY OF WESTMINSTER

PROJECT LOCATION MAP

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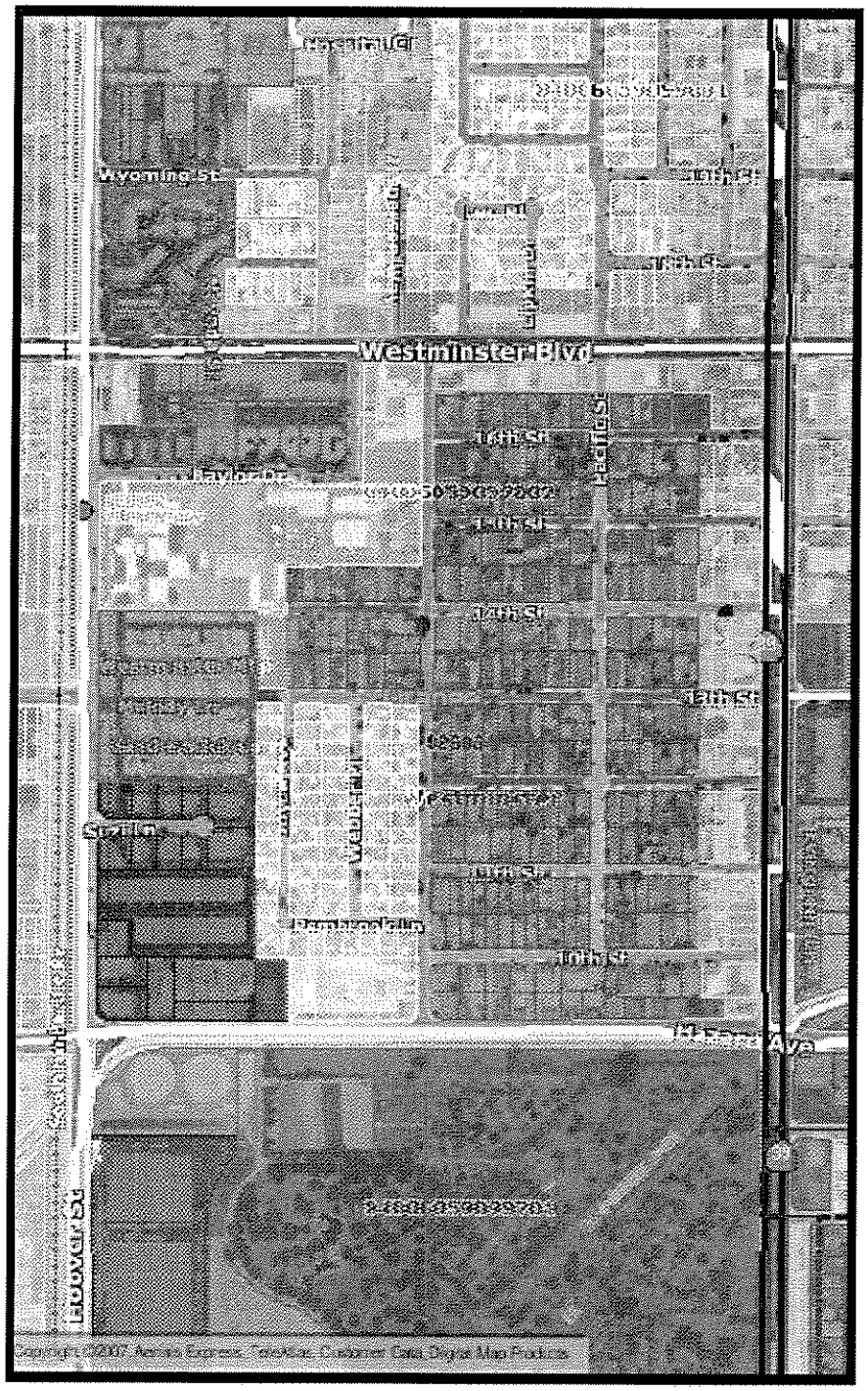

Image Overlay

General Plan

- Residential - Low (04-07 du/ac)
- Residential - Medium (08-14 du/ac)
- Residential - High (15-25 du/ac)
- Commercial - Low Intensity
- Commercial - General
- Planned Development
- Industrial
- Public / Semi-Public
- Park / Open Space
- Flood Control Channel
- Electric Utility R.O.W.
- Railroad R.O.W.

Points of Interest

- Points of Interest

Transportation

- Interstates
- Freeways
- US Highways
- State-Local Highways
- Major Roads
- Local Roads
- Alleys / Dead Ends
- Other Roads

Railroads

- Railroads

Parks

- Parks

Postal Codes

- Postal Codes

Census

- Census

Census Blocks

- Census Blocks

Waters

- Waters

County

- Counties

State

- States

City

- Cities

CITY OF WESTMINSTER

GENERAL PLAN MAP

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7000ft

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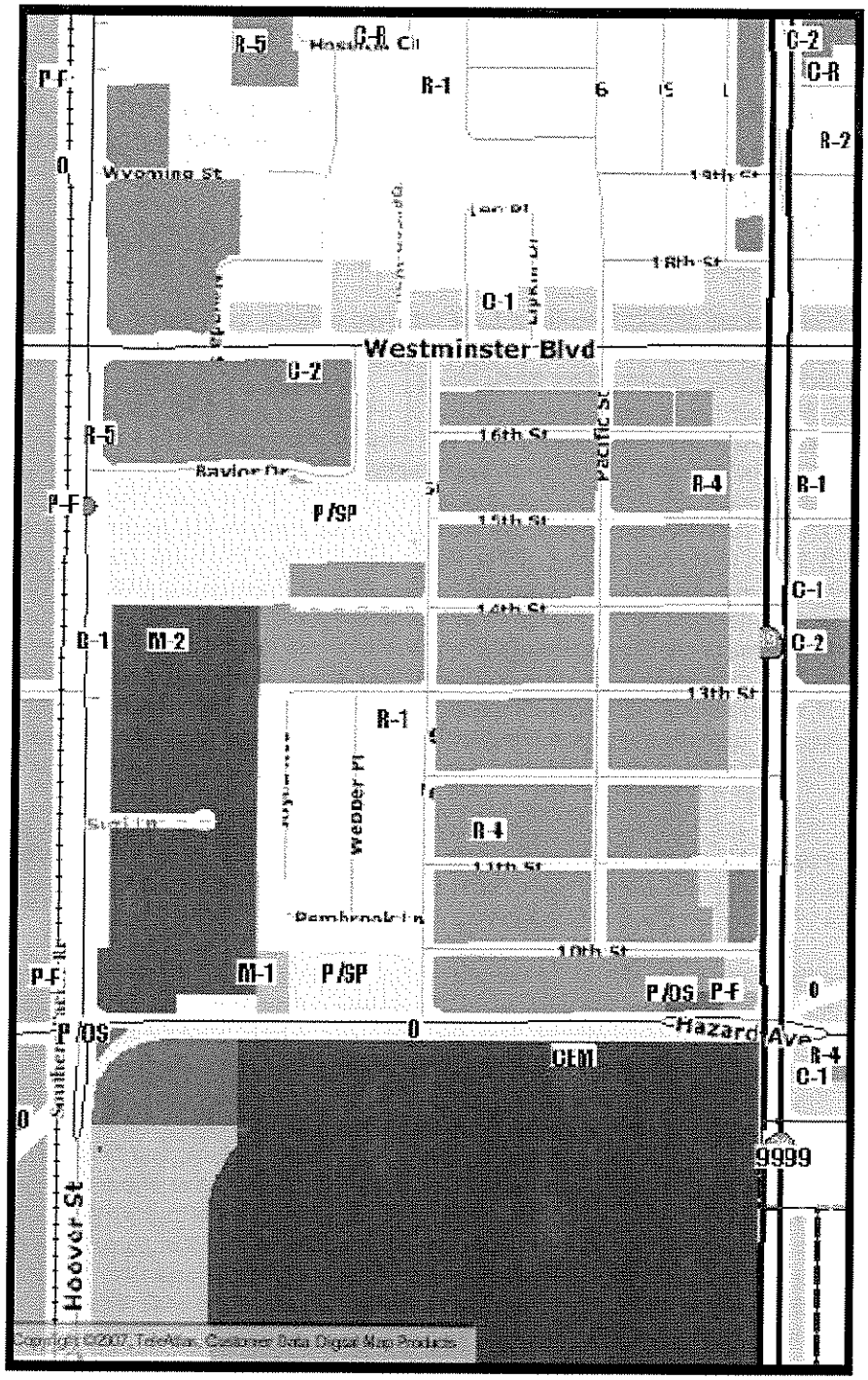

Image Overlay

Zoning Overlays

- C-T
- P
- PD

Zoning

- R 1 Single Family Residence
- R 2 Multiple Units 08 12 Units Acre
- R 3 Multiple Units 13 14 Units Acre
- R 4 Multiple Units 15 18 Units Acre
- R 5 Multiple Units 19 24 Units Acre
- C R Restricted Commercial
- C 1 Local Business
- C 2 General Business
- C M Commercial Industrial
- M 1 Light Industrial
- M 2 Medium Industrial
- P SP Public Semi Public
- P F Public Facilities
- P OS Park Open Space
- CEM Cemetery
- B 1 Buffer
- P Parking
- Flood Control Channels Right of Ways

Points of Interest

- Points of Interest

Transportation

- Interstates
- Freeways
- US Highways
- State-Local Highways
- Major Roads
- Local Roads
- Alleys / Dead Ends
- Other Roads

Railroads

- Railroads

Parks

- Parks

Postal Codes

- Postal Codes

Census

- Census

Census Blocks

- Census Blocks

Waters

CITY OF WESTMINSTER

ZONING MAP

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II. PROJECT DESCRIPTION

1. Description of Project and Project Objectives:

This project, titled Water Quality Improvement Pilot Project, is for stormwater clean up and is the first of its kind in the City of Westminster. The purpose of the Pilot Project is to determine the amount of debris and contaminants that can be collected per acre of drainage area per year by a storm drain system using stormwater catch basin filter baskets and in-line stormwater debris interceptors. The data obtained can then be used to estimate the amount of debris and contaminants coming from various sub-watershed areas, or the entire city, that if not collected, would become pollutants in our streams and oceans.

Debris is defined as all solids that are physically collected and removed by hand from the filter baskets and the in-line interceptors. Contaminants are defined as microscopic solids, trace metals, liquids, oils, and other materials that are caught and trapped within the filter fabric lining.

The Pilot Project will involve two larger drainage areas and one smaller drainage area that are all adjacent to each other and are proposed to be connected together at their southerly downstream ends. The east drainage area is the 59 acre Pacific St. drainage area which is bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by the Cedarwood Ave. drainage area, and on the south by the properties on the south side of 10th St. and which drains to the intersection of Pacific St. and 10th St. The west drainage area is the 24.41 acre Cedarwood Ave. drainage area which is bounded on the north by Westminster Blvd., on the east by the Pacific St. drainage area, on the west by the properties along the Westside of Cedarwood Ave., and on the south by Hazard Ave. which drains to the intersection of Cedarwood Ave. and Hazard Ave. The south drainage area is the 5.2 acre Hazard Ave. drainage area fronting on Hazard Ave. from Cedarwood Ave. to 960 feet west of Cedarwood Ave. These combined drainage areas comprise 88.61 acres that all drains southerly and westerly to the existing open rectangular reinforced concrete Orange County Westminster Flood Control Channel C04 which drains westerly along the southerly side of Hazard Ave. and which stormwater eventually flows to the Pacific Ocean.

Currently there are not enough stormwater catch basins at the downstream end of these three drainage areas which causes flooding to occur in the areas of Pacific St. and 10th St., and the area of Cedarwood Ave. and Hazard Ave., and the area of Hazard Ave. west of Cedarwood Ave.

During storm events the stormwater runoff from these areas pick up all sorts of debris and contaminates including paper, wood, plastic, metal filings, rubber particles, landscape debris, bark, silt, dirt, pesticides, oils, grease and all other types of debris and contaminants from the properties, streets, parking areas, storage areas, landscape areas, parkways, sidewalks, and carries this debris and contaminants to the C04 Channel.

The Pilot Project proposes to retrofit the existing 59 acre Pacific St. storm drain system and the existing 24.41 acre Cedarwood Ave. storm drain system with stormwater catch basin filter baskets, and in-line stormwater debris interceptors, and to connect these two drainage areas together with the 5.2 acre Hazard Ave. drainage area with a new extended 2000 foot long multi-barrel 48 inch reinforced concrete storm drain pipe system that will discharge into the C04 Channel and that will in the future be part of a stormwater pump station system. The new storm drain system will include stormwater catch basins, stormwater catch basin filter baskets, and in-line stormwater debris interceptors at the outlet of the storm drain in order to provide clean up, pollution prevention, and the collection of data for the Pilot Project.

The new proposed storm drain system will be constructed from the intersection of Pacific St. and 10th St., and will then run westerly along 10th Street, southerly along Cedarwood Ave., and westerly along Hazard Ave., to connect to the C04 channel approximately 1000 feet westerly of Cedarwood Ave.

The Pilot Project proposes to recover the debris and filters from these drainage systems over a two year time period and have a certified testing laboratory measure the dry weight of debris in pounds, determine the dry weight of trace metals such as lead and zinc in pounds, determine the volume of pesticides and other organic contaminants such as oil and grease in gallons. The Pilot Project will then be able to determine the average debris weight per acre per year factor and the contaminant weight and volume per acre per year factors for the drainage area system.

At this time there are no good estimates available for the collection rate of debris and contaminants that can be collected from this type of stormwater catch basin filter basket and in-line stormwater debris interceptor storm drain system. However, a very rough guess as to the collection rate that this type of system might be able to capture is approximately 25 pounds of debris per acre per year, 0.02 pounds of trace metals per acre per year, and 0.01 gallons of pesticides and oil and grease per acre per year.

The subject drainage area for this Pilot Project is 88.61 acres. Therefore the anticipated amount of debris and contaminants that may be collected by the proposed system is estimated to be:

- Debris = 88.61 acres x 25 pounds/acre/year = 2215 pounds/year
- Trace Metals = 88.61 acres x 0.02 pounds/acre/year = 1.8 pounds/year
- Pesticides, Oil and Grease = 88.61 acres x 0.01 gallons/acre/year = 0.9 gallons/year

The Pilot Project will be able to determine and establish an actual collection rate which can then be used to determine projected amounts of debris and contaminants that can be collected from drainage areas using similar stormwater catch basin filter basket and in-line stormwater debris interceptor storm drain systems.

In order to assess the results of this Pilot Project the City of Westminster will collect, monitor, and track, for a two year period, the amount of debris and contaminants collected by the catch basin filter basket and the in-line stormwater debris interceptor system on a weekly basis during the rainy season and on a monthly basis during the dry season. The collected material will be delivered or be picked up by a certified testing laboratory to analyze the material as previously noted. The testing laboratory will record their results on a weight per acre per year basis. The data will then be summarized monthly and will be sent to the United State Environmental Protection Agency. Additionally an Annual Summary Report providing information and details on the Pilot Project progress and reporting the weight of collected debris and the debris average per acre per year weight factors and the weight or volume of collected contaminants and the contaminants average weight or volume per acre per year factors will be sent to United States Environmental Protection Agency.

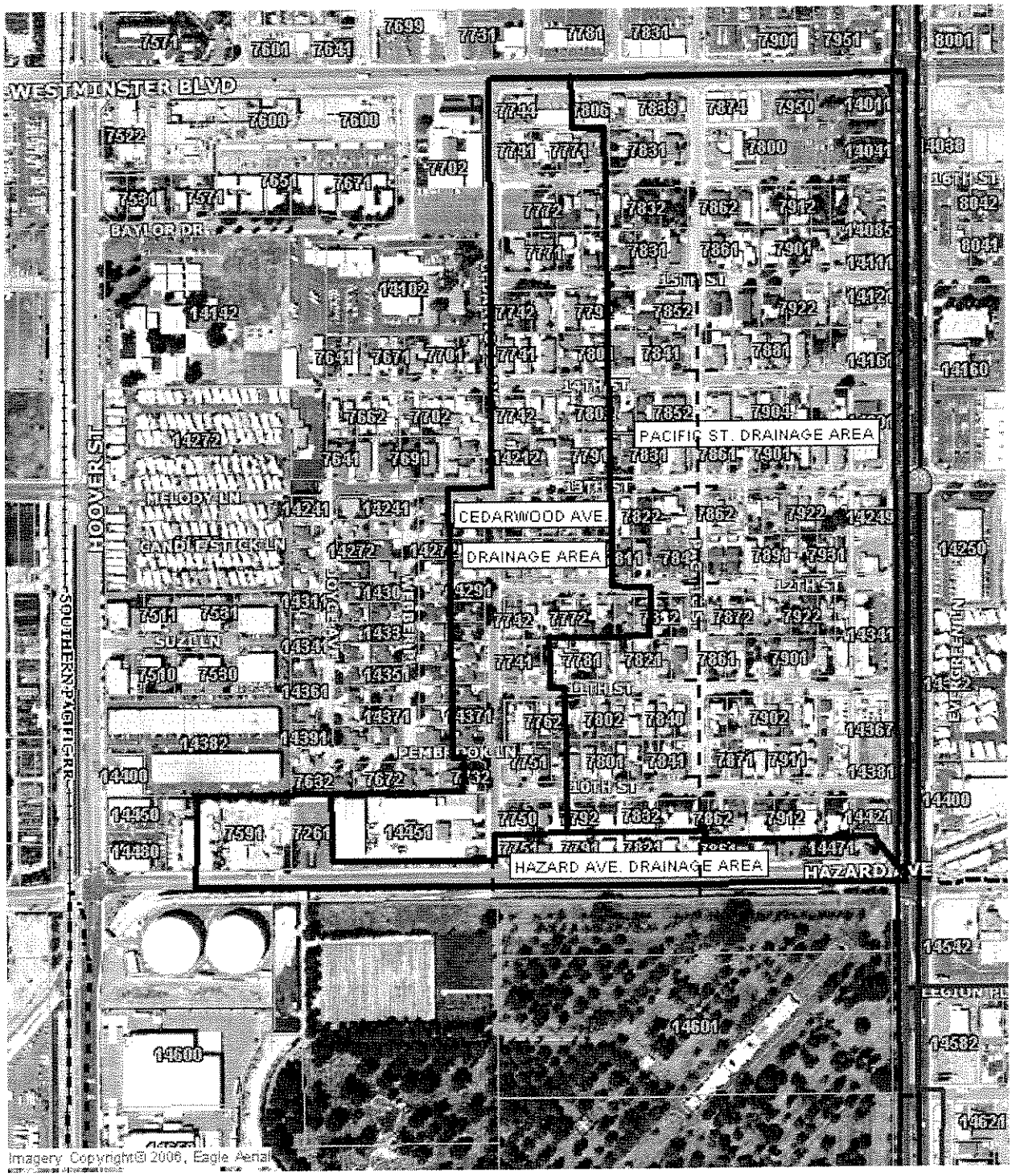
At the end of the two year period a Final Report for the City of Westminster Water Quality Improvement Pilot Project will be sent to the United State Environmental Protection Agency which will discuss the project data, problems, successes, efficiencies, data extrapolation, data projections, potential use of the data, and recommendations for modifying or improving the storm drain stormwater clean up system.

After the completion of the Water Quality Improvement Pilot Project two year reporting period the City of Westminster will continue to maintain the stormwater storm drain clean up system.

The results of this Pilot Project will provide valuable information to others by providing an average per acre per year debris weight factor, average per acre per year trace metal factors, and, average per acre per year pesticide and oil and grease volume factors for debris and contaminants that can be collected by a stormwater catch basin filter basket and in-line stormwater debris interceptor storm drain system. These collection rate factors can then be used to estimate the total amount of debris and contaminants that may potentially be able to be collected from various other drainage areas or for a city-wide area, if similar stormwater storm drain clean up system were to be installed.

The total cost of this Pilot Project is estimated to be $1,138,727 which is proposed to be funded by this EPA STAG Grant request of $626,300 which represents 55% of the total project cost and $512,427 of City of Westminster local match representing 45% of the total project cost.

The document entitled "Work Plan Project Administration Costs, Consulting Costs, and Schedule" document, details the various administrative, environmental documentation, design, testing, bidding items of work, and schedule required for this Pilot Project. This document shows the estimated hours, the hourly cost rate, the cost for each item, the calendar day schedule needed to complete the item, the total hours, the total project cost, and the total calendar days needed to complete this administrative and consulting work. The estimate of hours is based on previous experience in providing and producing the required documents and the various items of work. The environmental documents, project design, and testing will be provided through private consultants. The administration and other elements of the project will be provided by the City of Westminster city staff. The hourly rate for city staff is based on the City Finance Department information and the hourly rate for consultants is based on previous experience in obtaining similar work by private consultant.



CITY OF WESTMINSTER WATER QUALITY IMPROVEMENT PROJECT

Scale: 1" = 500 '

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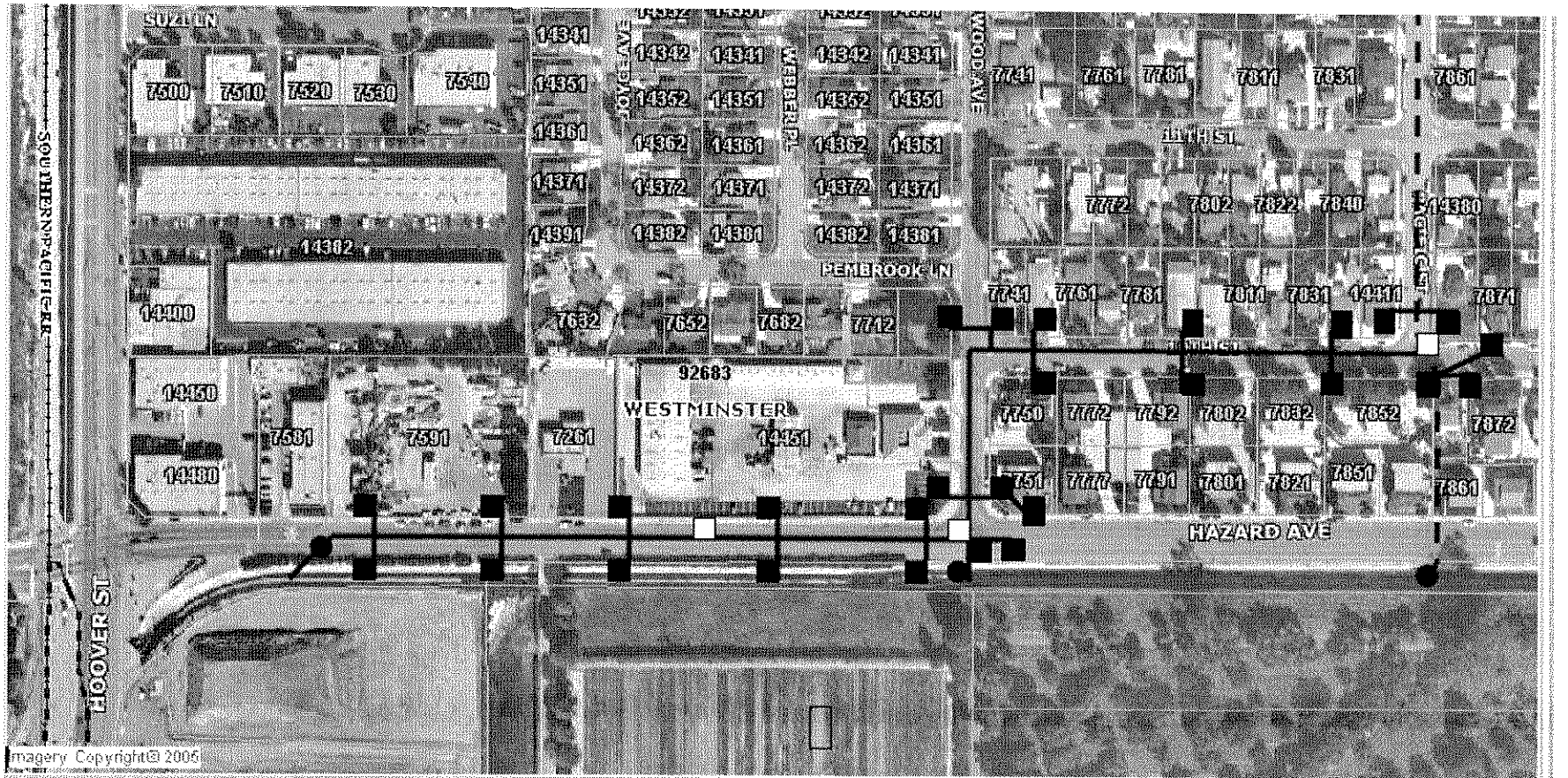
DRAINAGE AREAS



CITY OF WESTMINSTER WATER QUALITY IMPROVEMENT PROJECT

10TH ST. AT PACIFIC ST. AND HAZARD AVE. AT CEDARWOOD AVE. STORM DRAIN STORMWATER CLEANUP

Scale: 1" = 254 '

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- Existing Storm Drain
- Proposed Storm Drain
- Catch Basin Inlet With Debris and Bio-Filter
- In-Line Stormwater Debris Interceptor/Filter
- Junction Structrue

2. **Existing Land Use:**

The project is located within existing City of Westminster public road right-of-way which is used for public street purposes including paved streets, curb, gutter, paving, parkways, sidewalks, landscaping, trees, drainage, utilities, and access. The streets serve the surrounding, primarily residential uses, including some commercial, light industrial, and public facilities uses.

3. **Surrounding Land Uses and Environmental Setting:**

The project which is located on existing City of Westminster paved streets within existing public road right-of-way is surrounded primarily by single family and multi-family residential housing development along the interior streets of the project drainage area, and has some commercial, light industrial, and public facilities development fronting on the boundary of the area on Westminster Blvd. to the north, Beach Blvd to the east, and Hazard Ave. to the south.

The drainage area which is fully developed with primarily housing, and some commercial, light industrial, and public facilities development does have some (less than 5%) rebuilding of older improved properties consisting of the removal of older buildings and reconstructing new structures for the same general purposes and uses of primarily residential uses with some commercial, light industrial, and public facilities uses.

4. **Discretionary Approval Authority:**

The City of Westminster, which is providing 45% of the project funding, is the Lead Agency for the project and is responsible for preparing the environmental document and requires approval of the City Council of the City of Westminster of the environmental document and for the authority of the City staff to proceed with the project.

The Environmental Protection Agency (EPA) is providing 55% of the funding for the project through a State and Tribal Assistance Grant (STAG) grant under EPA Grant No. XP9695901-0 which requires approval of the overall project, the environmental document, and approvals at various development specific stages of the project. EPA also provides oversight of the project and requires quarterly progress reports and final reports for the project.

The County of Orange Resources and Development Management Department Flood Control Section requires approval for connection of the proposed storm drain pipes that will be connecting to the Orange County Westminster Channel C04.

5. **Purpose and Need for the Project:**

The purpose of the project is to study and evaluate a drainage area that is served by a storm drain system in order to determine and establish an average per acre per year debris weight factor, average per acre per year trace metal factors, and, average per acre per year pesticide and oil and grease volume factors for debris and contaminants that can be collected by a stormwater catch basin filter basket and in-line stormwater debris interceptor storm drain system. These collection rate factors can then be used to estimate the total amount of debris and contaminants that may potentially be able to be collected from various other drainage areas or for a city-wide area, if similar stormwater storm drain clean up system were to be installed.

In addition the project will provide an extended storm drain system to tie the drainage sub-areas together and will provide additional flood relief in a drainage area that currently experiences flooding during high storm events and will provide additional catch basin filter basket and in-line debris interceptors that will be used for debris and contaminant collection points.

The need for the project is to be able to provide actual field data information which can be used to estimate the amount of debris and contaminants that can be collected from future storm drain system and to construct an extended storm drain system to tie the drainage sub-areas together which will provide additional flood relief in a

drainage area that currently experiences flooding during high storm events and will provide additional catch basin filter basket and in-line debris interceptors that will be used for debris and contaminant collection points.

6. Description of Alternatives (NEPA Requirement):

6a. Proposed Project:

The proposed project involves two larger drainage areas and one smaller drainage area that are all adjacent to each other and are proposed to be connected together at their southerly downstream ends. The east drainage area is the 59 acre Pacific St. drainage area which is bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by the Cedarwood Ave. drainage area, and on the south by the properties on the south side of 10th St. and which drains to the intersection of Pacific St. and 10th St. The west drainage area is the 24.41 acre Cedarwood Ave. drainage area which is bounded on the north by Westminster Blvd., on the east by the Pacific St. drainage area, on the west by the properties along the Westside of Cedarwood Ave., and on the south by Hazard Ave. which drains to the intersection of Cedarwood Ave. and Hazard Ave. The south drainage area is the 5.2 acre Hazard Ave. drainage area fronting on Hazard Ave. from Cedarwood Ave. to 960 feet west of Cedarwood Ave. These combined drainage areas comprise 88.16 acres that all drains southerly and westerly to the existing open rectangular reinforced concrete Orange County Westminster Flood Control Channel C04 which drains westerly along the southerly side of Hazard Ave. and which stormwater eventually flows to the Pacific Ocean.

The proposed project will determine the amount of debris and contaminants that can be collected per acre of drainage area per year by a storm drain system using stormwater catch basin filter baskets and in-line stormwater debris interceptors. The data obtained can then be used to estimate the amount of debris and contaminants coming from various sub-watershed areas, or the entire city, that if not collected, would become pollutants in our streams and oceans.

The proposed project will retrofit the existing 59 acre Pacific St. storm drain system and the existing 24.41 acre Cedarwood Ave. storm drain system with stormwater catch basin filter baskets, and in-line stormwater debris interceptors, and to connect these two drainage areas together with the 5.2 acre Hazard Ave. drainage area with a new extended 2000 foot long multi-barrel 48 inch reinforced concrete storm drain pipe system that will discharge into the C04 Channel and that will in the future be part of a stormwater pump station system. The new storm drain system will include stormwater catch basins, stormwater catch basin filter baskets, and in-line stormwater debris interceptors at the outlet of the storm drain in order to provide clean up, pollution prevention, and the collection of data for the Pilot Project.

Currently there are not enough stormwater catch basins at the downstream end of these three drainage areas which causes flooding to occur in the areas of Pacific St. and 10th St., and the area of Cedarwood Ave. and Hazard Ave., and the area of Hazard Ave. west of Cedarwood Ave.

During storm events the stormwater runoff from these areas pick up all sorts of debris and contaminates including paper, wood, plastic, metal filings, rubber particles, landscape debris, bark, silt, dirt, pesticides, oils, grease and all other types of debris and contaminants from the properties, streets, parking areas, storage areas, landscape areas, parkways, sidewalks, and carries this debris and contaminants to the C04 Channel.

A new proposed storm drain system will be constructed from the intersection of Pacific St. and 10th St., and will then run westerly along 10th Street, southerly along Cedarwood Ave., and westerly along Hazard Ave., to connect to the C04 channel approximately 1000 feet westerly of Cedarwood Ave.

In order to assess the results of this Pilot Project the City of Westminster will collect, monitor, and track, for a two year period, the amount of debris and contaminants collected by the catch basin filter basket and the in-line stormwater debris interceptor system on a weekly basis during the rainy season and on a monthly basis during the dry season. The collected material will be delivered or be picked up by a certified testing laboratory to analyze the material as previously noted. The testing laboratory will record their results on a weight per acre per year basis. The data will then be summarized monthly and will be sent to the United State Environmental Protection Agency. Additionally an Annual Summary Report providing information and details on the Pilot Project progress and reporting the weight of collected debris and the debris average per acre per year weight

factors and the weight or volume of collected contaminants and the contaminants average weight or volume per acre per year factors will be sent to United States Environmental Protection Agency.

At the end of the two year period a Final Report for the City of Westminster Water Quality Improvement Pilot Project will be sent to the United State Environmental Protection Agency which will discuss the project data, problems, successes, efficiencies, data extrapolation, data projections, potential use of the data, and recommendations for modifying or improving the storm drain stormwater clean up system.

After the completion of the Water Quality Improvement Pilot Project two year reporting period the City of Westminster will continue to maintain the stormwater storm drain clean up system.

The results of this Pilot Project will provide valuable information to others by providing an average per acre per year debris weight factor, average per acre per year trace metal factors, and, average per acre per year pesticide and oil and grease volume factors for debris and contaminants that can be collected by a stormwater catch basin filter basket and in-line stormwater debris interceptor storm drain system. These collection rate factors can then be used to estimate the total amount of debris and contaminants that may potentially be able to be collected from various other drainage areas or for a city-wide area, if similar stormwater storm drain clean up system were to be installed.

6b. No Project Alternative:

Under a no project alternative the project would not be implemented. Construction would not occur and thus potential construction negative environmental impacts to water quality, air quality, noise, traffic, safety and all other construction impacts, which, due to construction best management practices are less than significant, would be eliminated. However, also under the no project alternative there would be no data collected, no study made, and no evaluation report completed, which if this data were available would help in the design of contaminant reducing facilities for stormwater collection systems and without such data the reduction in negative impacts related to stormwater runoff may not occur. Additionally, a no project alternative would eliminate the construction of an improved stormwater collection system in the flooding area at the southerly end of the drainage area which, if constructed, would reduce existing flooding and reduce the existing negative environmental impacts caused by flooding in that area.

6c. Other Alternatives:

There are no other feasible alternatives that would provide the same needed results. In order to determine the amount of debris and contaminants collected there needs to be a drainage area with a storm drain system from which the debris and contaminants can be collected. Additionally to improve the flooding in the southern area of the proposed drainage area an extended storm drain system needs to be constructed in that area.

III. ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐	Aesthetics	☐	Agriculture Resources	☐	Air Quality
☐	Biological Resources	☐	Cultural Resources	☐	Geology/Soils
☐	Hazards & Hazardous Materials	☐	Hydrology/Water Quality	☐	Land Use/Planning
☐	Mineral Resources	☐	Noise	☐	Population/Housing
☐	Public Services	☐	Recreation	☐	Transportation/Traffic
☐	Utilities/Service Systems	☐	Mandatory Findings of Significance		

IV. DETERMINATION: (To be completed by the Lead Agency)

On the basis of the initial evaluation that follows:

_X__ 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 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. A TIERED 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 upon the proposed project, no further environmental document is required. FINDINGS consistent with this determination will be prepared.

Signature _____ Date _____

Printed Name _____ Date _____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
1. AESTHETICS -- Would the project:					
a) Have a substantial adverse effect on a scenic vista?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The streets will be repaired back to their original condition. The land is flat with no hills or valleys and has no scenic vistas or views.

Therefore there are no project impacts related to substantial adverse effects on a scenic vista.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. The land is flat with no hills or valleys and has street parkway trees which will not be removed or damaged. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The streets will be repaired back to their original condition. There are no rock outcroppings within the project area.

An Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006, which is attached, and which found no historic buildings within the project area.

Additionally there are no State Scenic Highways within the project area.

Therefore there are no project impacts related to scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State highway.

c) Substantially degrade the existing visual character or quality of the site and its surroundings?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. The land is flat with no hills or valleys. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. During construction there will be short term degrading of the existing visual character or quality of the site and its surroundings due to construction activities; however the streets and all damaged areas or items will be repaired or replaced back to their original condition and there will be no long term degrade or change in the existing visual character or quality of the site and its surroundings.

Therefore project impacts are less than significant related to degrading existing visual character or quality of the site and its surroundings.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	_____	_____	_____	__X__	_____

The project will not install any permanent lighting therefore there will be no new sources of substantial light or glare which would adversely affect day or nighttime views in the area. During construction there may be some short term new temporary sources of light or glare due to construction activities; however the contractor will be required to minimize all light or glare which would adversely affect day or nighttime views in the area.

Therefore project impacts are less than significant related to new sources of substantial light or glare which would adversely affect day or nighttime views in the area.

e) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	__X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

2. AGRICULTURE RESOURCES: 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. Would the project:

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?	_____	_____	_____	_____	__X__

The project is located on existing City of Westminster paved streets within existing public road right-of-way is surrounded primarily by single family and multi-family residential housing development along the interior streets of the project drainage area, and has some commercial, light industrial, and public facilities development fronting on the boundary of the area on Westminster Blvd. to the north, Beach Blvd to the east, and Hazard Ave. to the south.

Therefore there are no project impacts related to converting 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.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Land Use Designations Within the Project Area
- Residential - Low (4-7 Dwelling Units per Acre)
- Residential - Medium (15-14 Dwelling Units per Acre)
- Commercial - Low Intensity
- Commercial – General
- Industrial
- Public / Simi Public
- Park / Open Space

The land is flat with no hills or valleys. There is no farmland or agricultural land located within the project area.

Therefore there are no project impacts related to farmland or agriculture land that will be converted to non-agricultural use.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	_____	_____	_____	_____	___X__

The project is located on existing City of Westminster paved streets within existing public road right-of-way is surrounded primarily by single family and multi-family residential housing development along the interior streets of the project drainage area, and has some commercial, light industrial, and public facilities development fronting on the boundary of the area on Westminster Blvd. to the north, Beach Blvd to the east, and Hazard Ave. to the south.

Therefore there are no project impacts related to a conflict with existing zoning for agricultural use, or a Williamson Act contract.

Land Use Designations Within the Project Area
- Residential - Low (4-7 Dwelling Units per Acre)
- Residential - Medium (15-14 Dwelling Units per Acre)
- Commercial - Low Intensity
- Commercial – General
- Industrial
- Public / Simi Public
- Park / Open Space

The land is flat with no hills or valleys. There is no farmland, agricultural land, or Williamson Act contract land located within the project area.

Therefore there are no project impacts related to a conflict with existing zoning for agricultural use, or a Williamson Act contract.

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?	_____	_____	_____	_____	___X__

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing City of Westminster paved streets within existing public road right-of-way is surrounded primarily by single family and multi-family residential housing development along the interior streets of the project drainage area, and has some commercial, light industrial, and public facilities development fronting on the boundary of the area on Westminster Blvd. to the north, Beach Blvd to the east, and Hazard Ave. to the south. The land is flat with no hills or valleys. There is no farmland or agricultural land located within the project area.

Therefore there are no project impacts related to changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use.

d) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X___

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

3. AIR QUALITY -- 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. Would the project:					
a) Conflict with or obstruct implementation of the applicable air quality plan?	_____	_____	_____	___X___	_____

During construction there is potential for the project to create short term dust situations. The potential short term creation of dust will be mitigated during construction by best management practices utilized by the contractor. The contractor will be required to provide dust control measures such as street cleaning, watering, using dust inhibitors, and other methods to prevent dust problems and to reduce dust impacts.

Additionally during construction there is potential for the project construction activities and equipment to create short term impact to air quality. The potential short term impacts to air quality due to construction activities and equipment will be mitigated during construction by best management practices utilized by the contractor. The contractor will be required to operate and maintain equipment and construction activities in such way as to prevent air quality problems and to meet State Air Quality Control requirements which will prevent air quality problems and will reduce air quality impacts. There will be no long term impact to air quality.

Therefore project impacts are less than significant related to a conflict with or obstruct implementation of the applicable air quality plan.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	_____	_____	_____	___X___	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project involves a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State Air Quality Control requirements which will prevent air quality problems and will reduce air quality impacts. There will be no long term impact to air quality.

Therefore project impacts are less than significant related to violating any air quality standards or contribute substantially to any existing or projected air quality violation.

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)?	_____	_____	_____	_____	___X___

The project involves a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State Air Quality Control requirements which will prevent air quality problems and will reduce air quality impacts. Since the project involves only a short term construction phase and through best management practices will meet State Air Quality Control requirements and will not violate any air quality standards or contribute substantially to any existing or projected air quality violation, the project will not 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.

Therefore there are no project impacts related to 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.

d) Expose sensitive receptors to substantial pollutant concentrations?	_____	_____	_____	_____	___X___

The project involves a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State Air Quality Control requirements which will prevent air quality problems and will reduce air quality impacts. Since the project involves only a short term construction phase and through best management practices will meet State Air Quality Control requirements the project will not violate any air quality standards or contribute substantially to any existing or projected air quality violation, he project will not result in the exposure of sensitive receptors to substantial pollutant concentrations. Additionally there are no known sensitive receptors in the project area.

Therefore there are no project impacts related to the exposure any sensitive receptors to substantial pollutant concentrations.

e) Create objectionable odors affecting a substantial number of people?	_____	_____	_____	___X___	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project involves a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State Air Quality Control requirements which will prevent air quality problems and will reduce air quality impacts. During construction there may be short term odors due to construction equipment activities; however these odors would be limited to the area directly around the operating equipment and will not affect substantial numbers of people. .Since the project involves only a short term construction phase and through best management practices will meet State Air Quality Control requirements the project will not violate any air quality standards or contribute substantially to any existing or projected air quality violation, he project will not result in the creation of objectionable odors affecting a substantial number of people.

Therefore project impacts are less than significant related to creating objectionable odors affecting a substantial number of people.

f) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	__X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

4. 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?	_____	_____	_____	_____	__X__

There are no species identified as 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 within the project area.

Therefore there are no project impacts related to substantial adverse effects, 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.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?	_____	_____	_____	_____	__X__

There are no riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife within the project area.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Therefore there are no project impacts related to substantial adverse effects on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service.

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?	_____	_____	_____	_____	___X__

There are no federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) within the project area.

Therefore there are no project impacts related to 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.

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?	_____	_____	_____	_____	___X__

There are no native resident or migratory fish or wildlife species or established native resident or migratory wildlife corridors, or native wildlife nursery sites within the project area.

Therefore there are no project impacts related to interfering 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.

e) Conflict with any local applicable policies protecting biological resources?	_____	_____	_____	_____	___X__

There are no local applicable policies protecting biological resources within the project area.

Therefore there are no project impacts related to a conflict with any local applicable policies protecting biological resources.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other applicable habitat conservation plan?	_____	_____	_____	_____	___X__

There is no adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other applicable habitat conservation plan within the project area.

Therefore there are no project impacts related to a conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other applicable habitat conservation plan.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
g) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

5. CULTURAL RESOURCES -- Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	_____	_____	_____	_____	___X__

In accordance with an Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006 there are no historical resource as defined in §15064.5 within the project area.

Therefore there are no project impacts related to causing a substantial adverse change in the significance of a historical resource as defined in §15064.5.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	_____	_____	_____	_____	___X__

In accordance with an Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006 there are no archaeological resource as defined in §15064.5 within the project area.

Therefore there are no project impacts related to a substantial adverse change in the significance of a archaeological resource as defined in §15064.5.

c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	_____	_____	_____	_____	___X__

In accordance with an Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006 there are no unique paleontological resource or site or unique geologic feature within the project area.

Therefore there are no project impacts related to directly or indirectly destroying a unique paleontological resource or site or unique geologic feature.

d) Disturb any human remains, including those interred outside of formal cemeteries?	_____	_____	_____	_____	___X__

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

There are no formal cemeteries within the project area and in accordance with an Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006 there are no known human remains interred within the project area.

Therefore there are no project impacts related to disturbing any human remains, including those interred outside of formal cemeteries.

e) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

6. 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.	_____	_____	_____	_____	___X__

In accordance with the City of Westminster Emergency Management Plan (Emergency Operation Plan) dated 1996 updated March 1, 2004 and the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist there are no known earthquake faults within the project area.

Therefore there are no project impact related to exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving 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.

ii) Strong seismic ground shaking?	_____	_____	_____	___X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located in a high earthquake fault shaking intensity area; however the project construction involves only the construction of underground storm drain pipes, manholes, catch basins, and other incidental underground items within existing paved streets and has no above ground structures that, when completed, will expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death due to strong seismic ground shaking. During construction trenching activities there is a potential for risk of loss, injury, or death due to strong seismic ground shaking; however the contractor is required to meet all State trenching and construction regulations and to use best management practices which, when properly used, will eliminate such risk of life, injury, or death.

Therefore project impacts are less than significant related to exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving strong seismic ground shaking.

iii) Seismic-related ground failure, including liquefaction?	_____	_____	_____	___X__	_____

The southwest portion of the project area is located in a high liquefaction potential area and the remaining major port of the project area is located in a moderate liquefaction potential area; however the project construction involves only the construction of underground storm drain pipes, manholes, catch basins, and other incidental underground items within existing paved streets and has no above ground structures that, when completed, will expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death due to seismic-related ground failure, including liquefaction. During construction trenching activities there is a potential for risk of loss, injury, or death due to seismic-related ground failure, including liquefaction; however the contractor is required to meet all State trenching and construction regulations and to use best management practices which, when properly used, will eliminate such risk of life, injury, or death.

Therefore project impacts are less than significant related to exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction.

iv) Landslides?	_____	_____	_____	___X__	_____

The project area is located in a flat urbanized residential area with an average ground slope of 0.5% having no hills and no areas that are subject to landslide. Project construction does involve construction of underground storm drain pipes, manholes, catch basins, and other incidental underground items within existing paved streets which does require trenching. During trenching activities there is a potential for risk of loss, injury, or death due to trench failure; however the contractor is required to meet all State trenching and construction regulations and to use best management practices which, when properly used, will eliminate such risk of life, injury, or death.

Therefore impacts are less than significant related to exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslide.

b) Result in substantial soil erosion or the loss of topsoil?	_____	_____	_____	___X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project area is located in a flat urbanized fully developed residential area with an average ground slope of 0.5% having no hills and having no open dirt areas that are subject to soil erosion or the loss of top soil. Project construction does involve construction of underground storm drain pipes, manholes, catch basins, and other incidental underground items within existing paved streets which does require trenching. During construction and trenching activities there is a potential for soil erosion but no risk of loss of topsoil or risk of loss, injury, or death due to trench failure; however the contractor is required to meet all State trenching and construction regulations and to use best management practices which, when properly used, will eliminate such soil erosion or the loss of topsoil and risk of life, injury, or death.

Therefore project impacts are less than significant related to substantial soil erosion or the loss of topsoil or for exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving soil erosion or the loss of topsoil.

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?	_____	_____	_____	__X__	_____

The project area is located in a flat urbanized residential area with an average ground slope of 0.5% having no hills and no unstable land areas or areas that would become unstable as a result of the project and no areas that will potentially result in on-or off site landslide, lateral spreading, subsidence, liquefaction or collapse. Project construction does involve construction of underground storm drain pipes, manholes, catch basins, and other incidental underground items within existing paved streets which does require trenching. Trenches will be backfilled, compacted, and repaved which will eliminate any future settlement. During trenching activities there is a potential for risk of loss, injury, or death due to trench failure; however the contractor is required to meet all State trenching and construction regulations and to use best management practices which, when properly used, will eliminate such risk of life, injury, or death.

Therefore project impacts are less than significant related to the project being 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 and there is no significant impact for exposure of people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving 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.

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?	_____	_____	_____	_____	__X__

The project area is located on soils having an Expansive Index of less than 20 which is characterized as soils having a very low expansive potential as defined in Table 18-1-B of the Uniform Building Code (1994). Soils with an Expansive Index of less than 20 are considered stable and will not cause damage to foundations, buildings, or structures

Therefore there are no project impacts related to the project being located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994). Creating substantial risks to life of property.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	_____	_____	_____	_____	___X__

The project is located on soils which are capable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water. The project does not include any septic tanks or alternative waste water disposal systems.

Therefore there are no project impacts related to having soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water.

f) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

7. 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?	_____	_____	_____	___X__	_____

The project construction will utilize normal construction materials and equipment which utilize small amounts of hazardous materials such as cement, gasoline, diesel fuel, oils, and other hydrocarbon base material which if spilled or not used properly do have e a potential to create a hazard. The contractor is required to use best management practices and to operate and maintain equipment and construction activities in such way as to prevent hazardous spills or hazardous situations or problems and to meet State Hazardous Control requirements which, when properly used, will prevent any hazardous spills, hazardous situations, or hazardous problems.

Therefore project impacts are less than significant related to the creation of a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.

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?	_____	_____	_____	___X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project construction will utilize normal construction materials and equipment which utilize small amounts of hazardous materials such as cement, gasoline, diesel fuel, oils, and other hydrocarbon base material which if spilled or not used properly do have e a potential to create a hazard. The contractor is required to use best management practices and to operate and maintain equipment and construction activities in such way as to prevent hazardous spills or hazardous situations or problems and to meet State Hazardous Control requirements which, when properly used, will prevent any hazardous spills, hazardous situations, or hazardous problems.

Therefore project impacts are less than significant related to the creation of 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.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	_____	_____	_____	_____	___X__

There are no existing or proposed schools located within one-quarter mile from the project construction site.

Therefore there are no project impacts related to hazardous emissions or handling of hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.

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?	_____	_____	_____	_____	___X__

The project is not located on any sites included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

Therefore there are no project impacts related to the location of sites which are included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment.

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?	_____	_____	_____	_____	___X__

The project is not located within an airport land use plan or within two miles of a public airport or public use airport.

Therefore there are no project impacts related to location 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, and for the project to result in a safety hazard for people residing or working in the project area.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
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?	_____	_____	_____	_____	___X__

The project is not located within vicinity of a private airstrip.

Therefore there are no project impacts related to location of a private airstrip, and for the project to result in a safety hazard for people residing or working in the project area.

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The contractor is required to provide one lane of traffic open in each direction or provide safety flag-person to control traffic otherwise. Safety vehicles and emergency response and emergency evacuation access through the project site will be provided at all times.

Therefore project impacts are less than significant related to impairment to implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a fully developed primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. There are no wildlands within, intermixed, or adjacent to the project site.

Therefore there are no project impacts related to exposure of 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.

i) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

8. HYDROLOGY AND WATER QUALITY

-- Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

During construction there is potential for the project to create short term water quality and waste discharge problems. The potential short term creation of water quality or waste discharge problems will be mitigated during construction by best management practices utilized by the contractor. The contractor will be required to provide water control measures such as pumping trench water into holding tanks for settlement of suspended solids, providing proper disposal of settled and collected solids and water, placement of sandbags for retention and filtration of street runoff water, and other methods to prevent water quality and waste discharge problems.

Therefore project impacts are less than significant related to violation of any water quality standards or waste discharge requirements.

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)?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The depth of trenches will be a maximum of 10 feet which depth will not affect the ground water supply or interfere with groundwater recharge. The project will not be constructing or withdrawing water from ground water wells. The project will be obtaining water from the City and will use only the normal amount of water for this type of construction which will primarily be used for compaction of trench fill.

Therefore project impacts are less than significant related to substantially depleting groundwater supplies or interfering 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.

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?	_____	_____	_____	___X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing damage. There are no streams or rivers in the project area. The storm drain pipe construction will tie into the Orange County Westminster Channel C04 which is a major drainage channel along the south side of the project area. Construction tie in to this channel will be done during the non-rain and low flow time period for this channel.

Therefore project impacts are less than significant related to substantially altering 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.

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?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing damage.

There are no streams or rivers in the project area.

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection. The construction tie in will be done during the non-rain and low flow time period for this channel.

The project does not increase the existing stormwater runoff flow since no additional drainage area is being added to the existing area that drains the Westminster Channel

Therefore project impacts are less than significant related to substantially altering 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.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
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?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing damage.

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection. The construction tie in will be done during the non-rain and low flow time period for this channel.

The project does not increase the existing stormwater runoff flow since no additional drainage area is being added to the existing area that drains the Westminster Channel

Therefore project impacts are less than significant related to creating or contributing to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff.

f) Otherwise substantially degrade water quality?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing damage and without degrading water quality.

Therefore project impacts are less than significant related to substantially degrading water quality.

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?	_____	_____	_____	__X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing an increase in rainfall runoff depth or damage and without degrading water quality.

The project does not construct or relocate any housing.

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection which will improve the existing flooding situation in the area. The construction tie in will be done during the non-rain and low flow time period for this channel.

The project does not increase the existing stormwater runoff flow depth since no additional drainage area is being added to the existing area that drains the Westminster Channel

Therefore project impacts are less than significant related to placing 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.

h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	_____	_____	_____	___X__	_____

The project is located primarily in Flood Zone X - areas of 1% annual chance (100 year event) of flood with average depths of less than 1 foot). Only a small portion of the very southern part of the drainage area is in Special Flood Hazard Zone A – no base flood elevations determined.

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert, impede, or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without impeding the flow substantially and without causing an increase in rainfall runoff depth or damage and without degrading water quality.

The project does not increase the existing stormwater runoff flow depth since no additional drainage area is being added to the existing drainage area.

The project does not construct any structures that would substantially impede rainfall runoff.

The project does however, construct structures that will redirect flow which will improve the drainage and help correct the existing flooding situation in the area by constructing catch basins and an underground storm drain system that will collect the rainfall runoff and carry it underground to an existing storm water channel that is designed to accept the flow.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection which will improve the existing flooding situation in the area. The construction tie in will be done during the non-rain and low flow time period for this channel.

Therefore project impacts are less than significant related to the placement within a 100-year flood hazard area of structures which would impede or redirect flood flows.

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?	_____	_____	_____	__X__	_____

The project is located primarily in Flood Zone X - areas of 1% annual chance (100 year event) of flood with average depths of less than 1 foot). Only a small portion of the very southern part of the drainage area is in Special Flood Hazard Zone A – no base flood elevations determined.

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing an increase in rainfall runoff depth or damage and without degrading water quality.

The project does not construct any levees or dams.

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection which will improve the existing flooding situation in the area. The construction tie in will be done during the non-rain and low flow time period for this channel.

The project does not increase the existing stormwater runoff flow depth since no additional drainage area is being added to the existing area that drains the Westminster Channel

Therefore project impacts are less than significant related to exposing 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.

j) Inundation by seiche, tsunami, or mudflow?	_____	_____	_____	_____	__X__

The project area is essentially flat with an average slope of 0.56% having no hills, cliffs or difference in ground elevation that would lead to landslides or mudflow. The project is not located near an ocean, lake, or river that would be subject to seiche or tsunami.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without causing an increase in rainfall runoff depth or damage and without causing mudflows or degrading water quality.

Therefore are no project impacts related to inundation by seiche, tsunami, or mudflow.

k) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

9. LAND USE AND PLANNING - Would the project:

a) Physically divide an established community?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project does not physically divide an established community.

Therefore there are no project impacts related to physically dividing an established community.

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 LRDP, general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project is in conformance with all applicable land use plans, policies, and regulations of an agency with jurisdiction over the project (including, but not limited to the LRDP, general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Therefore there are no project impacts related to a conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the LRDP, general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect.

c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There are no habitats, conservation plans or natural community conservation plans in the project area.

Therefore there are no project impacts related to a conflict with any applicable habitat conservation plan or natural community conservation plan.

d) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

10. 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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There are no known mineral resource that would be of value to the region and the residents of the State in the project area.

Therefore there are no project impacts related to the loss of availability of a known mineral resource that would be of value to the region and the residents of the State.

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?	_____	_____	_____	_____	___X__

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project will import relative small amounts of base rock, asphalt concrete, and cement concrete materials from approved material suppliers and authorized material sites.

There are no locally-important mineral resource recovery sites delineated on a local general plan, specific plan or other land use plan in the project area.

Due to the relative small amount of imported material there will be no loss of availability of any known locally-important mineral resource recovery sites delineated on a local general plan, specific plan or other land use plan in the general area.

Therefore there are no project impacts related to 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.

c) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X___

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

11. NOISE – Would the project result in:

a) Exposure of persons to or generation of noise levels in excess of standards established in any applicable plan or noise ordinance, or applicable standards of other agencies?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project and project equipment to create noise.

However; the project involves only a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State and local noise requirements. The contractor will be required to properly maintain equipment and to use proper construction practices which will eliminate, reduce, or minimize noise impacts to acceptable levels that will not expose persons to or generate noise levels in excess of standards established in any applicable plan or noise ordinance, or applicable standards of other agencies.

Therefore project impacts are less than significant related to exposure of persons to or generation of noise levels in excess of standards established in any applicable plan or noise ordinance, or applicable standards of other agencies.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project and project equipment to create vibration or groundborne noise levels.

However; the project involves only a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State and local vibration and noise requirements. The contractor will be required to properly maintain equipment and to use proper construction practices which will eliminate, reduce, or minimize vibration and groundborne noise impacts to acceptable levels that will not expose persons to or generate excessive groundborne vibration or groundborne noise levels.

Therefore project impacts are less than significant related to exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project involves a short term construction and will not construct or leave in place any item that will cause a permanent increase in ambient noise levels in the project vicinity above levels existing without the project.

Therefore there are no project impacts related to a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project.

d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project and project equipment to create a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.

However; the project involves only a short term construction phase which through the contractor's required use of best management practices the project will be able to meet all State and local noise requirements. The contractor will be required to properly maintain equipment and to use proper construction practices which will eliminate, reduce, or minimize noise impacts to acceptable levels of short term temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
Therefore project impacts are less than significant related to a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.					
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?	_____	_____	_____	_____	___X__
The project area is not located within an airport land use plan, and is not located within two miles of a public airport or public use airport.					
Therefore there are no project impacts related to airport land use plans, or being within two miles of a public airport or public use airport, and therefore the project would not expose people residing or working in the project area to excessive noise levels.					
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?	_____	_____	_____	_____	___X__
The project area is not located in the vicinity of a private airstrip.					
Therefore there are no project impacts related to private airstrips, and therefore the project would expose people residing or working in the project area to excessive noise levels.					
g) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__
There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.					
Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.					

12. 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)?	_____	_____	_____	_____	___X__
The project is located on existing paved city streets in a primarily fully developed residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.					

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is a storm drain water quality project which will improve existing storm water runoff water quality and will improve an existing flooding situation in the southern portion of the project area.

The project does not construct any homes or businesses. The project will not increase capacity for development in the area and will not induce population growth in the area, either directly or indirectly. Even though the existing storm drain infrastructure facility is being extended it does not provide any additional storm water flow capacity to the system, it only improves water quality and improves an existing flooding situation.

Therefore there are no project impacts related to inducing substantial population growth in the area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure).

b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	_____	_____	_____	_____	___X__

The project is a storm drain water quality project which will improve existing storm water runoff water quality and will improve an existing flooding situation in the southern portion of the project area.

The project does not remove any homes or businesses and does not require the replacement of housing elsewhere.

Therefore there are no project impacts related to displacing substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere.

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	_____	_____	_____	_____	___X__

The project is a storm drain water quality project which will improve existing storm water runoff water quality and will improve an existing flooding situation in the southern portion of the project area.

The project does not displace people or housing or businesses and does not require the replacement of housing elsewhere.

Therefore there are no project impacts related to displacing substantial numbers of people, necessitating the construction of replacement housing elsewhere.

d) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

13. PUBLIC SERVICES

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
a) Would the project result in 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:					
Fire protection?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic minor delay in fire protection response time in the project area during construction activities, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary thus any response time delay would be very minor related only to a minor reduction in emergency vehicle speed through the construction activity area. Additionally there is potential for a fire to occur at the construction site, however the contractor is required to use best management practices which include having proper fire protection training and equipment on hand to eliminate or minimize fire potential, and since the project is primarily underground construction the potential for fire is minimal.

The project involves only a short term construction phase which through the contractor's required use of best management practices and the requirement of maintaining one traffic lane open at all times and to use flag persons as necessary, and since the project is primarily underground construction there is very little potential for fire.

Therefore project impacts are less than significant related to fire protection for the project resulting in 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.

Police protection?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic minor delay in police protection response time in the project area during construction activities, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary thus any response time delay would be very minor related only to a minor reduction in emergency vehicle speed through the construction activity area. Additionally there is potential for police protection at the construction site due to accident or vandalism, however the contractor is required to use best management practices which include having proper accident prevention and vandalism prevention training to help eliminate or minimize accidents and vandalism and therefore the need for police protection is minimal.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Therefore project impacts are less than significant related to police protection for the project resulting in 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.

Schools?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. There are no schools within the project construction area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic short term minor delay in time required to go to and from school in the project area during construction activities, however the contractor is required to maintain pedestrian and vehicular access through the construction area and to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary thus any response time delay would be very minor related only to a minor reduction in pedestrian access time or vehicle speed through the construction activity area. Additionally the contractor is required to use best management practices, which includes providing proper pedestrian and vehicular access through the construction area to eliminate or minimize access time delays, and thus any access time delay is minimal.

Therefore project impacts are less than significant related to schools in or around the project resulting in 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.

Parks?	_____	_____	_____	_____	__X__

There are no parks within the project area. Additionally, since the project and project construction activities are contained within the local area neighborhood area, the project and project construction will not affect any park in the general surrounding area.

Therefore there are no project impacts related to parks in or around the project resulting in 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.

Other public facilities?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The only public facilities in the project area are streets and associated street facilities such as street lights, storm drains, drainage channels, water lines, and sewer lines.

There is potential for the project to cause a temporary short term disruption of the above noted street associated public facilities in the project construction area during construction activities, however the contractor is required to use best management practices and to repave and reconstruct all streets and street related facilities back to there original or better condition and to repair any damaged areas back to there original or better condition.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Therefore project impacts are less than significant related to other public facilities in or around the project resulting in 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.

b) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

14. RECREATION --

a) Would the project 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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. There are no neighborhood parks or regional parks or other recreational facilities within the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project and project construction activities will not add or cause the addition of any additional housing or population growth and thus will not cause any physical deterioration of parks or recreational facilities.

Therefore there are no project impacts related to an increase in 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.

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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project and project construction does not include recreational facilities. The project and project construction will not add or cause the addition of any additional housing or population growth and thus will not cause any expansion of recreational facilities.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Since the project and project construction does not include recreational facilities, and the project and project construction will not add or cause the addition of any additional housing or population growth and will not cause any expansion of recreational facilities there are no impacts to the expansion of recreational facilities which might have an adverse physical effect on the environment.

Therefore there are no project impacts related to including recreational facilities or requiring the construction or expansion of recreational facilities which might have an adverse physical effect on the environment

c) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X___

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

15. 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)?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic minor traffic detour in or around the project area during construction activities that would add additional traffic load and capacity to surrounding streets, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary, thus any traffic detour would be very minor, short termed, and would not cause any lasting increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections.

Therefore project impacts are less than significant related to 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).

b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

There is potential for the project to cause a temporary or periodic minor traffic detour in or around the project area during construction activities that would add additional traffic load and capacity to surrounding streets, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary, thus any traffic detour would be very minor, short termed, and would only cause a minor increase in traffic on other streets and intersections. The other streets where traffic may be detoured are not at or close to capacity and therefore a minor short term increase in traffic will not cause traffic levels to exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways.

Therefore project impacts are less than significant related to exceeding, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways.

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project is not located within an airport land use plan or within two miles of a public airport or public use airport. The project does not involve or affect any air traffic patterns.

Therefore there are no project impacts related to a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks.

d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary short term increase in hazards (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment) in the project area during construction activities, however the contractor is required to use best management practices and to maintain safe conditions at all times.

Since the project construction is primarily underground construction and does not change the surface layout or configuration of the streets the project design will not increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).

Therefore project impacts are less than significant related to increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).

e) Result in inadequate emergency access?	_____	_____	_____	___X__	_____

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic short term minor delay in emergency access response time in the project area during construction activities, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary thus any response time delay would be very minor related only to a minor reduction in emergency vehicle speed through the construction activity area. Additionally the contractor is required to use best management practices which include having proper training for traffic control and providing for emergency access requirements. Emergency access through the construction site will be provided by the contractor at all times.

Therefore project impacts are less than significant related to inadequate emergency access.

f) Result in inadequate parking capacity?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic short term minor reduction in on street parking in the project area during construction activities however the contractor is required to use best management practices and to provide reasonable on street parking for adjacent properties while performing the project construction activities.

Therefore project impacts are less than significant related to inadequate parking capacity.

g) Conflict with applicable policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	_____	_____	_____	___X___	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

There is potential for the project to cause a temporary or periodic short term minor delay in alternative transportation (e.g., bus turnouts, bicycle racks) bus route activities on Hazard Ave. in the project area during construction activities, however the contractor is required to maintain a minimum of one traffic lane open at all times and to use flag persons as necessary thus travel time delay would be very minor related only to a minor reduction in vehicle speed through the construction activity area. There may also be a need to temporarily on a short term basis relocate bus stops on Hazard Ave. through the construction activity area during construction. Additionally the contractor is required to use best management practices which include having proper training for traffic control and providing for vehicle access requirements. Vehicular access through the construction site will be provided by the contractor at all times.

Therefore project impacts are less than significant related to Conflict with applicable policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)

h) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X___

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

16. UTILITIES AND SERVICE SYSTEMS
– Would the project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project does not involve any wastewater treatment or involve any wastewater treatment requirements of the applicable Regional Water Quality Control Board.

Therefore there are no project impacts related to exceeding wastewater treatment requirements of the applicable Regional Water Quality Control Board.

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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project does not involve, require, or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities.

Therefore there are no project impacts related to requiring or resulting in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

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?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection.

This project will improve stormwater runoff quality and will reduce the existing flooding condition in the project area which will improve the environmental effects in the area. The project does not increase the existing stormwater runoff flow since no additional drainage area is being added to the existing area that drains the Westminster Channel

Therefore project impacts are less than significant related to requiring or resulting in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project involves only minor amounts of water for construction, trench soil compaction, and site cleanup. The City of Westminster has sufficient water supplies available to serve the project and no new or expanded entitlements are needed.

Therefore there are no project impacts related to having sufficient water supplies available to serve the project from existing entitlements and resources, or the need for expanded entitlements.

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?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project involves only minor amounts of wastewater treatment for construction workers at the construction site. The contractor will use portable toilet facilities which will be provided through contractor subcontracts and which subcontract providers will have sufficient wastewater disposal capacity available to serve the project. Additionally the City of Westminster has sufficient wastewater treatment capacity available to serve the project if it were needed. No new or expanded wastewater entitlements are needed.

Therefore there are no project impacts related to 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.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project involves only minor amounts of solid waste disposal from the construction site. The contractor will use a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs.

Therefore there are no project impacts related to use of a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs.

g) Comply with applicable Federal, State, and local statutes and regulations related to solid waste?	_____	_____	_____	_____	___X__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project involves only minor amounts of solid waste disposal from the construction site. The contractor will use a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs and will comply with applicable Federal, State, and local statutes and regulations related to solid waste.

Therefore there are no project impacts related to complying with applicable Federal, State, and local statutes and regulations related to solid waste.

h) Exceed an applicable LRDP or Program EIR standard of significance?	_____	_____	_____	_____	___X__

There is no Long Range Development Plan (LRDP) or Program EIR for the project or project area.

Therefore there are no project impacts related to exceeding any applicable LRDP or Program EIR standard of significance.

17. 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

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact
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__

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

The project does not involve or effect any streams or creeks other than an existing concrete lined flood control channel and will not 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.

Therefore there are no project impacts related to having a 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.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	_____	_____	_____	___X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

This project will improve stormwater runoff quality and will reduce the existing flooding condition in the project area which will improve the environmental effects in the area. The project does not increase nor decrease the existing stormwater runoff flow since no area is being added to or being subtracted from the existing drainage area that drains the Westminster Channel C04. The Westminster Channel C04 drains southwesterly from the City of Westminster and outlets to the Pacific Ocean at Huntington Harbor/Anaheim Bay adjacent to the U.S. Naval Weapons Station in the City of Seal Beach.

The project does not involve or create negative 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). The project does however, involve and create positive impacts by improving the water quality of stormwater runoff that drains to the Pacific Ocean which positive impacts are individually limited, but cumulatively considerable and which are beneficial to the Westminster Channel C04, other down stream channels, Huntington Harbor, the City of Huntington Beach, Anaheim Bay, the U.S. Naval Weapons Station, the City of Seal Beach, and the Pacific Ocean.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Impact for which LRDP/ Program EIR is Sufficient	Less Than Significant Impact	No Impact

Therefore there are no project negative impacts related to 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). However there are project positive impacts that are individually limited, but cumulatively considerable which are beneficial to the environment that are less than significant..

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	_____	_____	_____	__X__	_____

The project is located on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures.

This project will improve stormwater runoff quality and will reduce the existing flooding condition in the project area which will improve the environmental effects in the area. The project does not increase the existing stormwater runoff flow since no additional drainage area is being added to the existing area that drains the Westminster Channel

The project does have the potential of disturbing human beings during the short term construction phase of the project, however the contractor will use best management practices at all times which will minimize construction activity impacts, noise impacts, air quality impacts, water quality impacts, traffic impacts and other miscellaneous impacts.

Additionally the project will improve the quality of life for human beings by removing pollutants from the stormwater runoff flows which will keep channels, streams, rivers, and the ocean cleaner and will help to improve a flooding condition in the project area.

Therefore project impacts are less than significant related to environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

18. Fish and Game Determination

Based on the information above, there is no evidence that the project has a potential for a change that would adversely affect wildlife resources or the habitat upon which the wildlife depends. The presumption of adverse effect set forth in 14 CCR 753.5 (d) has been rebutted by substantial evidence.

_X_ Yes (Certificate of Fee Exemption)

___ No (Pay fee)

VI. APPENDIX

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APPENDIX NO. 1

CUTURAL & HISTORICL REPORT

South Central Coastal Information Center
California Historical Resources Information System
California State University, Fullerton
Department of Anthropology
800 North State College Boulevard
Fullerton, CA 92834-6846
714.278.5395 / FAX 714.278.5542
anthro.fullerton.edu/sccic.html - sccic@fullerton.edu

Ventura
Los Angeles
Orange

November 27, 2006 SCCIC # 7061.4274

Mr. Ron Brust
City of Westminster
Civic Center
8200 Westminster Boulevard
Westminster, CA 92683
(714) 898-3311

RE: Record Search Results for Water Quality Improvement Pilot Project for Stormwater Cleanup EPA Grant ID #XP9695901-0

Dear Mr. Brust,

As per your request received on November 14, 2006, a records search was conducted for the above referenced project. The search includes a review of all recorded archaeological sites within a ½-mile radius of the project site as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the California Register of Historical Places (CR), the National Register of Historic Places (NR), and the California State Historic Resources Inventory (HRI) listings were reviewed for the above referenced project site. The following is a discussion of the findings.

Due to the sensitive nature of cultural resources, archaeological site locations are not released.

Anaheim, Los Alamitos, Newport Beach, and Seal Beach CA. USGS 7.5' Quadrangles

ARCHAEOLOGICAL RESOURCES:

No archaeological sites have been identified within a ½-mile radius of the project site. No sites are located within the project site. This does not preclude the potential for archaeological sites to be identified during project activities. No isolates have been identified within a ½-mile radius of the project site. No isolates are located within the project site.

HISTORIC RESOURCES:

A review of the historic maps – Anaheim (1896 and 1942) 15' USGS - indicated that in 1896 there were three improved roads and six structures within a ½-mile radius of the project site. In 1942 there were twenty-one improved roads, sixty-seven structures, and a cemetery within a ½-mile radius of the project area.

The California Point of Historical Interest (2006) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a ½-mile radius of the project site.

The California Historical Landmarks (2006) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a ½-mile radius of the project site.

The California Register of Historical Places (2006) lists no properties within a ½-mile radius of the project site. These are properties determined to have a National Register of Historic Places Status of 1 or 2, a California Historical Landmark numbering 770 and higher, or a Point of Historical Interest listed after 1/1/1998.

The National Register of Historic Places lists no properties within a ½-mile radius of the project site.

The California Historic Resources Inventory (2006) lists no properties that have been evaluated for historical significance within a ½-mile radius of the project site.

PREVIOUS CULTURAL RESOURCES INVESTIGATIONS:

Ten studies (OR326, OR2075, OR2612, OR1215, OR2043OR2733, OR2817, OR2826, OR2888, and OR3022) have been conducted within a ½-mile radius of the project site. Of these, None are located within the project site. There are twenty-three additional investigations located on the Anaheim, Los Alamitos, Newport 7.5' USGS Quadrangle that are potentially within a 1-mile radius of the project site. The reports are not mapped due to insufficient locational information.
(= Located within the project site)*

RECOMMENDATIONS

According to our records, the project site has not been subjected to any previous studies and archaeological sensitivity is unknown. Although the project occurs in an urban area where the surface and subsurface appears to have been previously disturbed, there is still potential for buried prehistoric and / or historic resources within the project boundaries. In the event that cultural resources are encountered, all work within the vicinity of the find should stop. A professional archaeologist should be retained to assess such finds and make recommendations.

Additionally, if any building(s) 45 years and older will be affected by the proposed project, it is recommended that the building(s) be assessed and evaluated for potential historical significance.

The professional archaeologist you retain may request the records search map, archaeological site records, and bibliography from the Information Center by referencing the SCCIC number listed above for a fee (per the fee schedule).

If you have any questions regarding the results presented herein, please contact the office at 714.278.5395 Monday through Thursday 8:00 am to 3:30 pm.

Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Sincerely,
SCCIC

Thomas David Shackford
Lead Staff Researcher

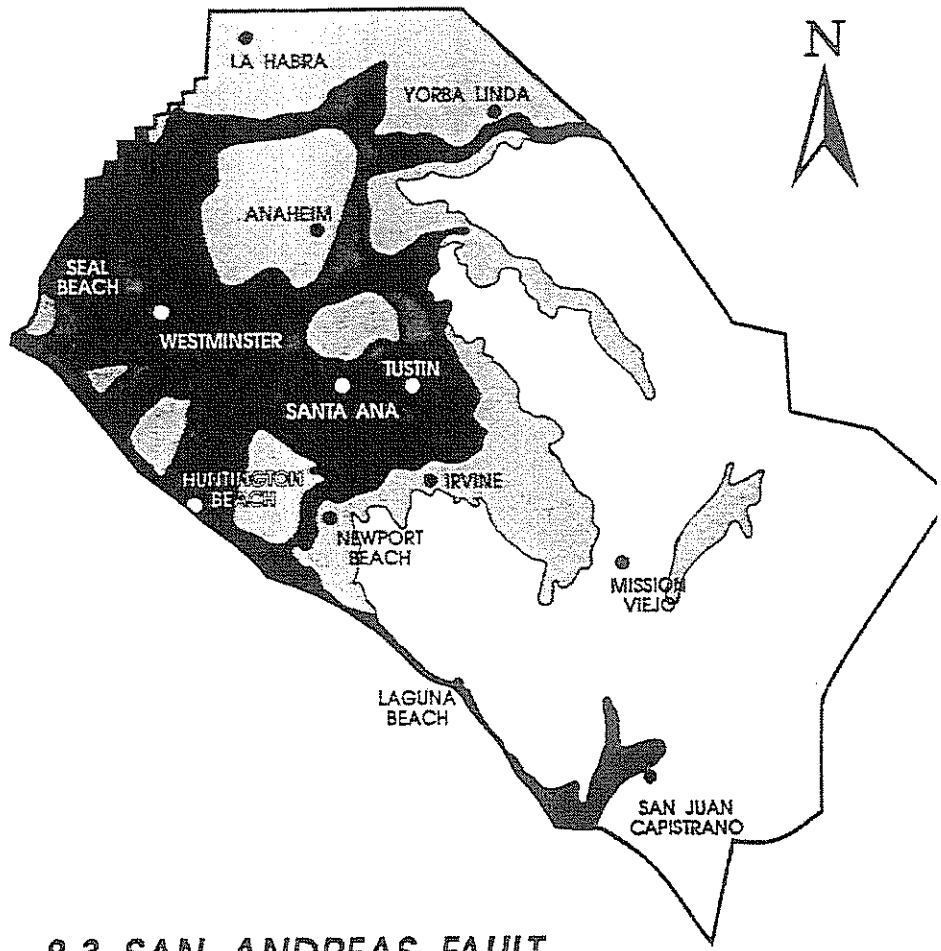
Enclosures:

(X) Invoice # 7061.4274

APPENDIX NO. 2

EARTHQUAKE MAPS

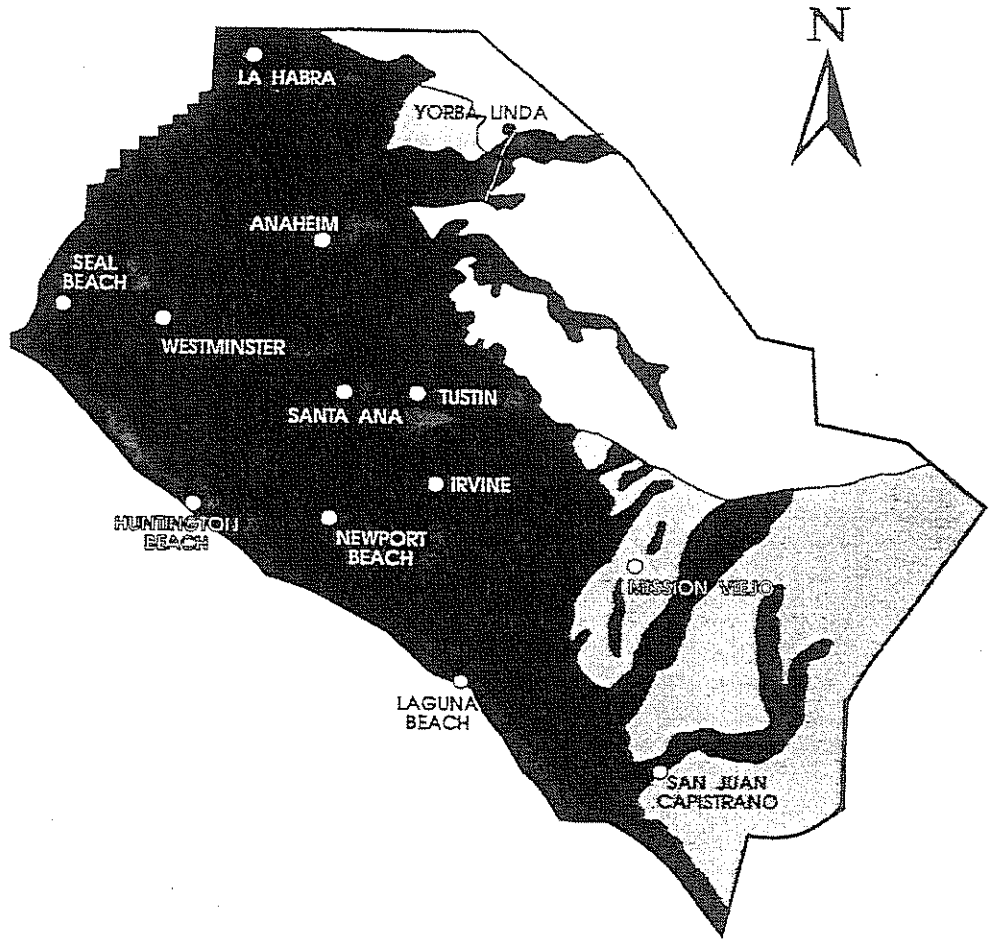
SAN ANDREAS FAULT SHAKING INTENSITY MAP



8.3 SAN ANDREAS FAULT Shaking intensity

HIGH MODERATE LOW

INGLEWOOD-NEWPORT FAULT SHAKING INTENSITY MAP



7.5 INGLEWOOD-NEWPORT FAULT Shaking intensity

HIGH *MODERATE* *LOW*

(FCW16, 17)

CITY OF WESTMINSTER EARTHQUAKE FAULT MAP

THE CITY OF WESTMINSTER • GENERAL PLAN

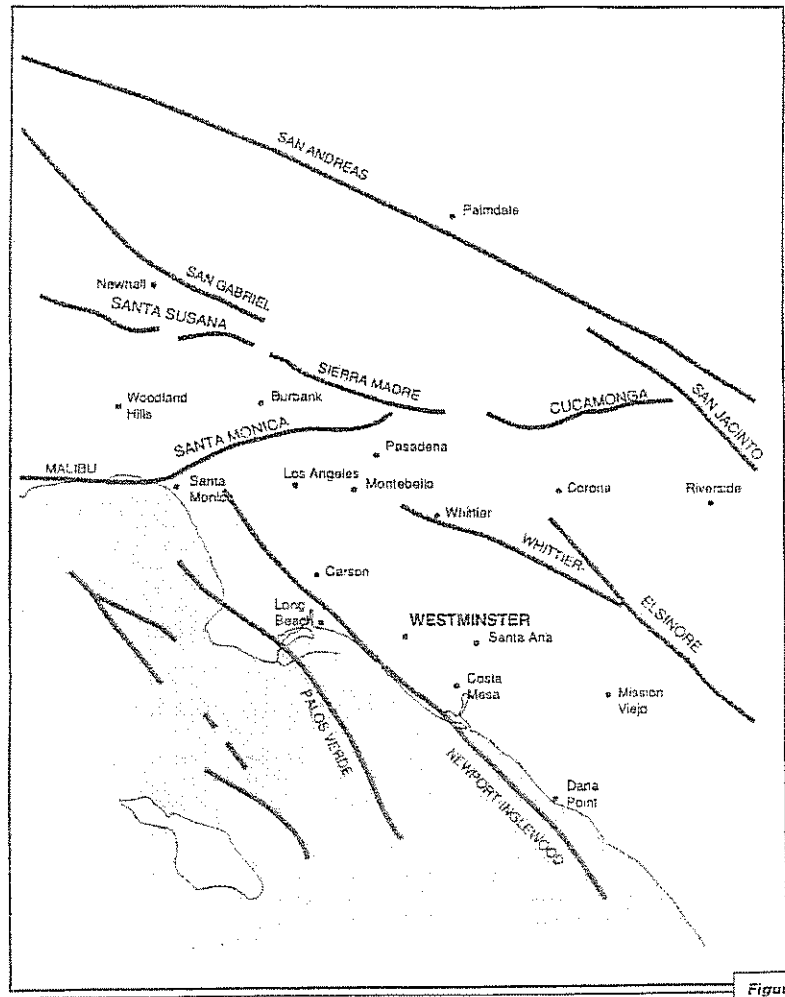
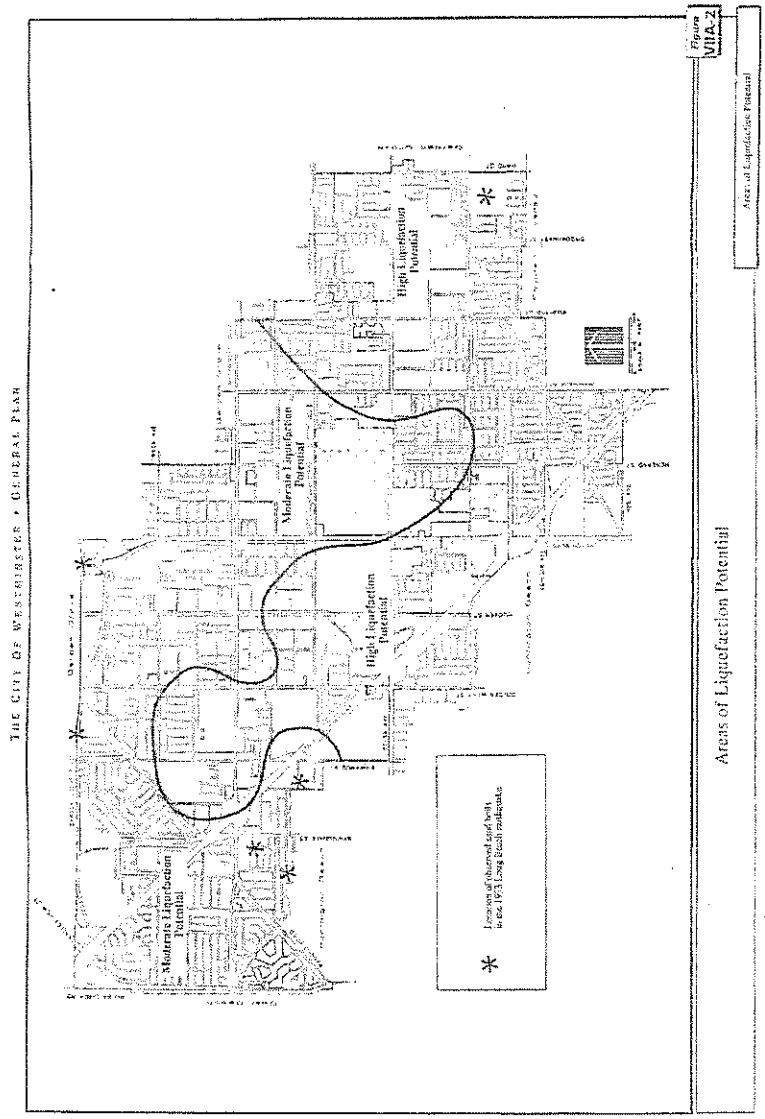


Figure VIIA-1

Location of Fault Zones

VIIA-4

CITY OF WESTMINSTER
LIQUEFACTION MAP



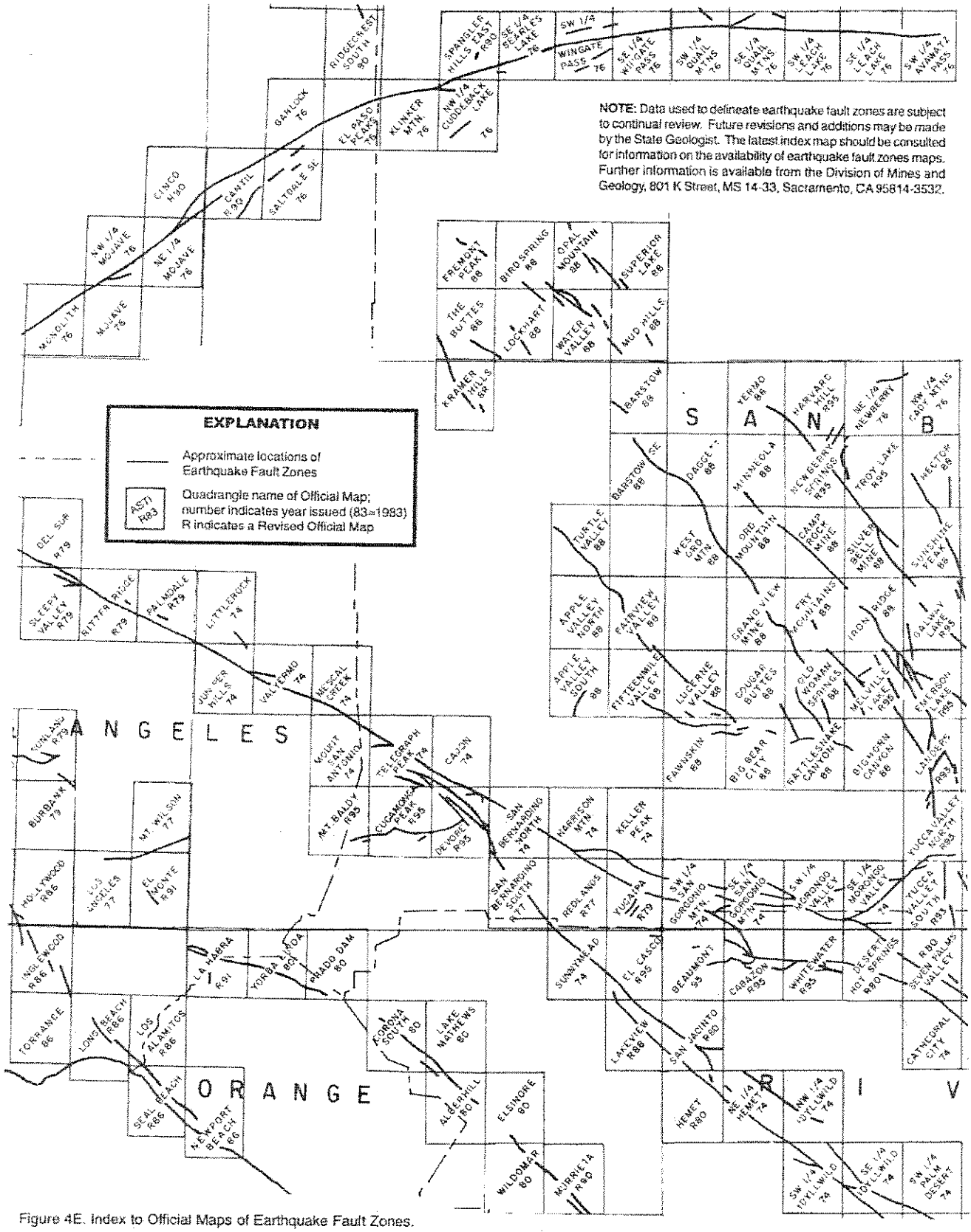


Figure 4E. Index to Official Maps of Earthquake Fault Zones.

APPENDIX NO. 3

TABLE 18-1-B OF 1994 UBC

1809.5.2 Steel piles, nonprestressed concrete piles and prestressed concrete piles.

1809.5.2.1 Steel piles. Piles shall conform to width-thickness ratios of stiffened, unstiffened and tubular compression elements as shown in Chapter 22, Division VIII.

1809.5.2.2 Nonprestressed concrete piles. Piles shall have transverse reinforcement meeting the requirements of Section 1921.4.

> **EXCEPTION:** Transverse reinforcement need not exceed the amount determined by Formula (21-2) in Section 1921.4.4.1 for spiral or circular hoop reinforcement or by Formula (21-4) in Section 1921.4.4.1 for rectangular hoop reinforcement.

1809.5.2.3 Prestressed concrete piles. Piles shall have a minimum volumetric ratio of spiral reinforcement no less than 0.021 for 14-inch (356 mm) square and smaller piles, and 0.012 for 24-inch (610 mm) square and larger piles unless a smaller value can be justified by rational analysis. Interpolation may be used between the specified ratios for intermediate sizes.

TABLE 18-I-A—ALLOWABLE FOUNDATION AND LATERAL PRESSURE

CLASS OF MATERIALS[1]	ALLOWABLE FOUNDATION PRESSURE (psf)[2] × 0.0479 for kPa	LATERAL BEARING LBS./SQ./FT./FT. OF DEPTH BELOW NATURAL GRADE[3] × 0.157 for kPa per meter	LATERAL SLIDING[4] Coefficient[5]	LATERAL SLIDING[4] Resistance (psf)[6] × 0.0479 for kPa
1. Massive crystalline bedrock	4,000	1,200	.70	
2. Sedimentary and foliated rock	2,000	400	.35	
3. Sandy gravel and/or gravel (GW and GP)	2,000	200	.35	
4. Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC)	1,500	150	.25	
5. Clay, sandy clay, silty clay and clayey silt (CL, ML, MH and CH)	1,000[7]	100		130

[1]For soil classifications OL, OH and PT (i.e., organic clays and peat), a foundation investigation shall be required.
[2]All values of allowable foundation pressure are for footings having a minimum width of 12 inches (305 mm) and a minimum depth of 12 inches (305 mm) into natural grade. Except as in Footnote 7 below, increase of 20 percent allowed for each additional foot (305 mm) of width or depth to a maximum value of three times the designated value.
[3]May be increased the amount of the designated value for each additional foot (305 mm) of depth to a maximum of 15 times the designated value. Isolated poles for uses such as flagpoles or signs and poles used to support buildings which are not adversely affected by a $^1/_2$-inch (13 mm) motion at ground surface due to short-term lateral loads may be designed using lateral bearing values equal to two times the tabulated values.
[4]Lateral bearing and lateral sliding resistance may be combined.
[5]Coefficient to be multiplied by the dead load.
[6]Lateral sliding resistance value to be multiplied by the contact area. In no case shall the lateral sliding resistance exceed one half the dead load.
[7]No increase for width is allowed.

TABLE 18-I-B—CLASSIFICATION OF EXPANSIVE SOIL

EXPANSION INDEX	POTENTIAL EXPANSION
0-20	Very low
21-50	Low
51-90	Medium
91-130	High
Above 130	Very high

APPENDIX NO. 4

FIMA FIRM FLOOD MAPS

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0138H

FIRM

FLOOD INSURANCE RATE MAP

ORANGE COUNTY, CALIFORNIA

AND INCORPORATED AREAS

PANEL 138 OF 550

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
STANTON, CITY OF	060234	0138	H
GARDEN GROVE, CITY OF	060220	0138	H
ORANGE COUNTY, UNINCORPORATED AREAS	060212	0138	H
WESTMINSTER, CITY OF	060237	0138	H

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06059C0138H

MAP REVISED:
FEBRUARY 18, 2004

Federal Emergency Management Agency

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood event.
ZONE A99	Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no base flood elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no base flood elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

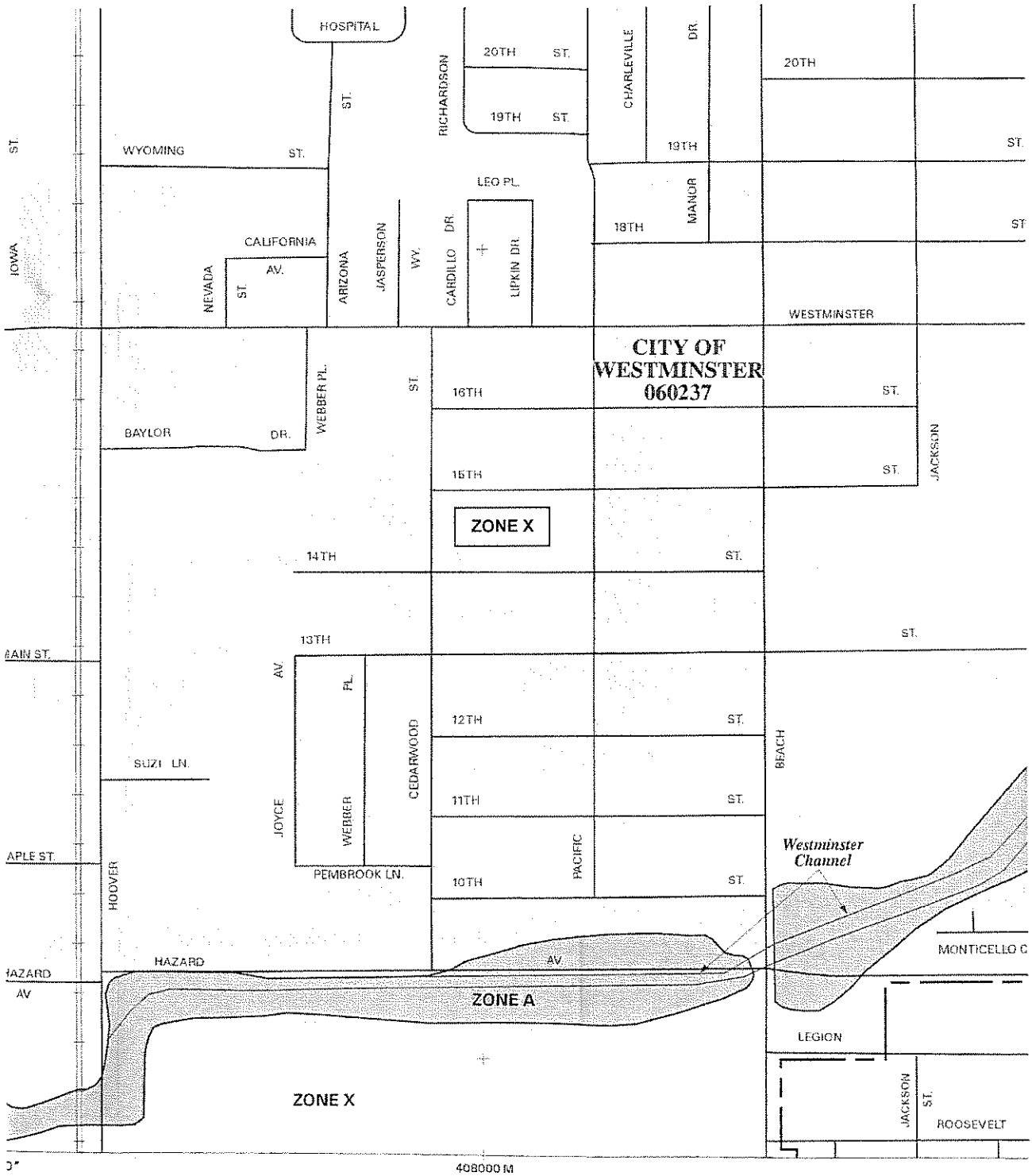
OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	Floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

(A)——(A)	Cross Section Line


HOSPITAL
20TH ST.
19TH ST.
RICHARDSON
CHARLEVILLE
DR.
20TH
WYOMING ST.
19TH
ST.
LEO PL.
MANOR
18TH
ST.
CALIFORNIA
AV.
NEVADA
ST.
ARIZONA
JASPERSON
WY.
CARDILLO DR.
LIPKIN DR.
WESTMINSTER
CITY OF
WESTMINSTER
060237
WEBBER PL.
16TH
ST.
BAYLOR DR.
15TH
JACKSON
ZONE X
14TH
13TH
AV.
FL.
12TH
CEDARWOOD
BEACH
SUZI LN.
JOYCE
WEBBER
11TH
PACIFIC
Westminster
Channel
PEMBROOK LN.
10TH
HOOVER
HAZARD
AV
ZONE A
MONTICELLO C
LEGION
ZONE X
JACKSON ST.
ROOSEVELT
408000 M

National Environmental Policy Act (NEPA)

Supplement

City of Westminster
Water Quality Improvement Pilot Project for Storm Water Cleanup

1.0 PROJECT'S PURPOSE AND NEED:

This project is for stormwater clean up. The purpose of the Pilot Project is to determine the amount of debris and contaminants that can be collected per acre of drainage area per year by a storm drain system using stormwater catch basin filter baskets and in-line stormwater debris interceptors. The data obtained can then be used to estimate the amount of debris and contaminants coming from various sub-watershed areas, or the entire city, that if not collected, would become pollutants in our streams and oceans. Additionally the project will reduce the existing flooding condition at the southern area of the drainage area by construction of a storm drain system that will connect to the Westminster Channel C04 at a lower water surface elevation than does the existing storm drain system.

2.0 ALTERNATIVES:

Under a no project alternative construction would not occur and thus potential construction negative environmental impacts to water quality, air quality, noise, traffic, safety and all other construction impacts, which, due to construction best management practices are less than significant, would be eliminated. However, also under the no project alternative there would be no data collected, no study made, and no evaluation report completed, which if this data were available would help in the design of contaminant reducing facilities for stormwater collection systems and without such data the reduction in negative impacts related to stormwater runoff may not occur. Additionally, a no project alternative would eliminate the construction of an improved stormwater collection system in the flooding area at the southerly end of the drainage area which, if constructed, would reduce existing flooding and reduce the existing negative environmental impacts caused by flooding in that area. Therefore, a no project alternative would not provide for additional water quality improvement.

There are no other feasible alternatives that would provide the same needed results. In order to determine the amount of debris and contaminants collected there needs to be a drainage area with a storm drain system from which the debris and contaminants can be collected. Additionally to improve the flooding in the southern area of the proposed drainage area an extended storm drain system needs to be constructed in that area.

3.0 AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES:

3.1 Archeological and Historical Preservation Act,

The project area is not considered to be sensitive to possible historic and cultural resources. Monitoring for archeological material during storm drain construction excavation will be done.

An Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006 found no archeological or historical resources within the project area.

EPA received concurrence from the State Historic Preservation Office that no historic properties will be affected.

3.2 Clean Air Act,

Minor amounts of dust could be created during excavation however, the project incorporates accepted best management practices which meets air quality requirements and conforms with the Clean Air Act. Therefore negative impacts related to the Clean Air Act are less than significant.

3.3 Coastal Barrier Resources Act,

The project is not within a Coastal Zone and therefore the Coastal Barrier Resources Act is not applicable.

3.4 Coastal Zone Management Act,

The project is not within a Coastal Zone Management Area and therefore the Coastal Zone Management Act is not applicable.

3.5 Endangered Species Act, A field review of the project area has determined that there are no endangered species within the project area. Therefore negative impacts related to the Endangered Species Act

3.6 Environmental Justice,

No adverse impacts to minority and low-income populations will result from the proposed project. No potential adverse effects to human health have been identified. Therefore negative impacts related to the Environmental Justice are less than significant.

3.7 Floodplain Management,

The project is located primarily in Flood Zone X - areas of 1% annual chance (100 year event) of flood with average depths of less than 1 foot). Only a small portion of the very southern part of the drainage area is in Special Flood Hazard Zone A – no base flood elevations determined.

The project is located in the City of Westminster, California on existing paved city streets in a primarily residential area with some commercial and light

industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The project will have a short term affect on the site drainage in that the contractor will use water quality and erosion and siltation control measures during construction that may temporarily divert, impede, or retain street runoff water. The contractor will use best management practices and such water quality and erosion and siltation control measure swill provide for normal rainfall runoff without impeding the flow substantially and without causing an increase in rainfall runoff depth or damage and without degrading water quality.

The project does not increase the existing stormwater runoff flow depth since no additional drainage area is being added to the existing drainage area.

The project does not construct any structures that would substantially impede rainfall runoff.

The project does however, construct structures that will redirect flow which will improve the drainage and help correct the existing flooding situation in the southern drainage area by constructing catch basins and an underground storm drain system that will collect the rainfall runoff and carry it underground to an existing storm water channel that is designed to accept the flow.

Currently the drainage area ties into the Orange County Westminster Channel C04, which is a major drainage channel along the south side of the project area, at a point of high water surface elevation that causes flooding in the southern part of the project area. This project will add a new connection into the Westminster Channel at a lower water surface elevation down stream from the existing connection which will improve the existing flooding situation in the area. The construction tie in will be done during the non-rain and low flow time period for this channel.

Therefore project impacts are less than significant related to floodplain management and effects on the 100-year floodplain protection program.

3.8 Protection of Wetlands,

There are no federally or state protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) within the project area.

Therefore there are no project impacts related to substantial adverse effects on federally or state protected wetlands.

3.9 Farmland Protection Policy Act,

There are no farmlands including prime farmland, unique farmland, or farmland of statewide or federal importance as shown on the maps prepared pursuant to the

Farmland Mapping and Monitoring Program of the California Resources Agency within the project area.

Therefore there are no project impacts related to farmland, prime farmland, unique farmland, or farmland of statewide or federal importance.

3.10 Fish and Wildlife Coordination Act,

There are no species identified as 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 within the project area.

Therefore there are no project impacts related to substantial adverse effects, 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.

3.11 National Historic Preservation Act,

The project is located in the City of Westminster, California on existing paved city streets in a primarily residential area with some commercial and light industrial areas around the outside border of the project area. The land is flat with no hills or valleys and has street parkway trees which will not be removed or damaged. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The streets will be repaired back to their original condition. There are no rock outcroppings within the project area. There are no State Scenic Highways within the project area

An Archaeological, Historical, and Cultural report prepared by South Central Coastal Information Center, *California Historical Resources Information System,* California State University, Fullerton Department of Anthropology dated November 27, 2006, which is attached, found no historical resource, no historic buildings, no scenic resources (including trees and rock outcroppings), no unique paleontological resources or site or unique geologic features, no formal cemeteries, and no known human remains interred within the project area. .

Therefore there are no project impacts related to historical resource, historic buildings, scenic resources (including trees and rock outcroppings), unique paleontological resources or site or unique geologic features, formal cemeteries, and known human remains interred within the project area.

3.12 Safe Drinking Water Act Publication,

The project site is not located in a USEPA "sole source" aquifer.

The project is located in the City of Westminster, California on existing paved city streets in a primarily residential area with some commercial and light

industrial areas around the outside border of the project area. All construction will be underground storm drain and catch basin work within existing paved streets with no above ground structures. The depth of trenches will be a maximum of 10 feet which depth will not affect the ground water supply or interfere with groundwater recharge. The project will not be constructing or withdrawing water from ground water wells. The project will be obtaining water from the City and will use only the normal amount of water for this type of construction which will primarily be used for compaction of trench fill.

Implementation of the project will enhance groundwater quality by removing debris and contaminants from stormwater runoff thus providing cleaner water for ground water aquifer recharge.

Therefore project impacts are less than significant related to substantially depleting groundwater supplies or interfering substantially with groundwater quality or recharge or a lowering of the local groundwater table level.

3.13 Wild and Scenic Rivers Act,

The project is not within a Wild or Scenic River (or watershed) area and therefore the Wild and Scenic Rivers Act is not applicable.

3.14 Migratory Birds:

A field review of the project area has determined that there are no migratory birds that will be affected within the project area. Therefore the impacts related to migratory birds is less than significant.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017

FINDING OF NO SIGNIFICANT IMPACT

For the

City of Westminster – Water Quality Improvement Pilot Project for Stormwater Cleanup

PROJECT LOCATION AND DESCRIPTION

The U.S. Environmental Protection Agency (EPA) is considering an award to the City of Westminster to fund design and construction of a storm drain system. The proposed project involves the retrofit of existing stormwater catch basins and construction of a storm drain system. The storm drain system will discharge into the Westminster Channel which ultimately drains to the Pacific Ocean at Anaheim Bay in the City of Seal Beach. The Westminster Pilot Project for Stormwater clean up in the City of Westminster will also determine the amount of debris and contaminants that can be collected.

PURPOSE AND NEED FOR THE PROPOSED ACTION

The purpose of the Water Quality Improvement Pilot Project for Stormwater Cleanup is two-fold. One purpose is to reduce the existing flooding condition at the southern area of the drainage area by construction of a storm drain system. Additionally the project will determine the amount of debris and contaminants that can be collected using stormwater catch basin filter baskets and in-line stormwater debris interceptors. This project will reduce the amount of debris and containments that enter the Westminster Channel and the Pacific Ocean.

ENVIRONMENTAL CONSEQUENCES AND CONDITIONS

Pursuant to the National Environmental Policy Act (NEPA), EPA prepared an Environmental Assessment (EA), which examined the potential environmental impacts and alternative from the proposed project. The EA considered a wide range of regulatory, environmental and socio-economic factors, including Land Use, Water Quality, Air Quality, Natural Resources, Cultural Resources, Endangered Species, Environmental Justice, Resource Use Patterns, Noise and Visual Resources/Aesthetics. Based on information from the EA, the Environmental Protection Agency (EPA) has determined that the proposed project, the Westminster Water Quality Improvement Pilot Project for Storm Water Cleanup, will not pose significant impacts to the environment. EPA has determined that and an Environmental Impact Statement is not required for this project.

PUBLIC REVIEW

The EA is on file, along with other project materials, and is available for public inspection at the EPA Southern California Field Office in Los Angeles, CA. Copies of the EA are also available for public review at the City of Westminster, 8200 Westminster Blvd. Westminster, CA 92683

In addition, the EA will be posted on the EPA website at http://www.epa.gov/region09/nepa/epa-generated.html . To obtain additional information about the project, please contact Howard Kahan by email at: kahan.howard@epa.gov or by calling (213)244-1819.

All interested persons may submit comments to EPA Region 9 by August 17, 2007. No administrative action will be taken on this proposed project prior to the expiration of the comment period. Comments, via letter, fax or email, should be sent to Howard Kahan at the address listed below.

Howard Kahan (WTR-1)
U.S. EPA, Region 9
Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017
Telephone: (213) 244-1819
Fax: (213) 244-1850
Email kahan.howard@epa.gov

FINDING

After EPA assesses any comments received, those comments, EPA's responses and this FONSI will be forwarded to the Regional Administrator for review and signature. If this FONSI is signed by the Regional Administrator, it will not be re-circulated for review, but will be available to any individual upon request.

_____ _____

Wayne Nastri Date
Regional Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90046

May 7, 2007

Ms. Jill Terp
U.S. Fish and Wildlife Service
Carlsbad Field Office
6810 Hidden Valley Road
Carlsbad, CA 92011

Subject: Determination of no effect under Section 7 of the Endangered Species Act for City of Westminster Water Quality Improvement Pilot Project EPA Grant XP-96965901-0

Dear Ms. Terp

Project Description:

The City of Westminster plans on creating a water quality improvement pilot project. The project will determine the amount of debris and contaminants that can be collected using stormwater catch basin filter baskets and in-line stormwater debris interceptors.

The Pilot Project will involve two larger drainage areas and one smaller drainage area that are all adjacent to each other and are proposed to be connected together at their southerly downstream ends. The east drainage area is the 59 acre Pacific St. drainage area which is bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by the Cedarwood Ave. drainage area, and on the south by the properties on the south side of 10th St. and which drains to the intersection of Pacific St. and 10th St. The west drainage area is the 24.41 acre Cedarwood Ave. drainage area which is bounded on the north by Westminster Blvd., on the east by the Pacific St. drainage area, on the west by the properties along the Westside of Cedarwood Ave., and on the south by Hazard Ave. which drains to the intersection of Cedarwood Ave. and Hazard Ave. The south drainage area is the 5.2 acre Hazard Ave. drainage area fronting on Hazard Ave. from Cedarwood Ave. to 960 feet west of Cedarwood Ave. These combined drainage areas comprise 88.16 acres that all drains southerly and westerly to the existing open rectangular reinforced concrete Orange County Westminster Flood Control Channel C04 which drains westerly along the southerly side of Hazard Ave. and which stormwater eventually flows to the Pacific Ocean.

During storm events the stormwater runoff from these areas pick up all sorts of debris and contaminates including paper, wood, plastic, metal filings, rubber particles, landscape debris, bark, silt, dirt, pesticides, oils, grease and all other types of debris and contaminants from the properties, streets, parking areas, storage areas, landscape areas, parkways, sidewalks, and carries this debris and contaminants to the C04 Channel.

The Pilot Project proposes to retrofit the existing 59 acre Pacific St. storm drain system and the existing 24.41 acre Cedarwood Ave. storm drain system with stormwater catch basin filter baskets, and in-line stormwater debris interceptors, and to connect these two drainage areas together with the 5.2 acre Hazard Ave. drainage area with a new extended 2000 foot long multi-barrel 48 inch reinforced concrete storm drain pipe system that will discharge into the C04 Channel and that will in the future be part of a stormwater pump station system. The new storm drain system will include stormwater catch basins, stormwater catch basin filter baskets, and in-line stormwater debris interceptors at the outlet of the storm drain in order to provide clean up, pollution prevention, and the collection of data for the Pilot Project.

The new proposed storm drain system will be constructed from the intersection of Pacific St. and 10th St., and will then run westerly along 10th Street, southerly along Cedarwood Ave., and westerly along Hazard Ave., to connect to the C04 channel approximately 1000 feet westerly of Cedarwood Ave. The project will occur within a previously disturbed urban area.

The Pilot Project proposes to recover the debris and filters from these drainage systems over a two year time period and have a certified testing laboratory measure the dry weight of debris in pounds, determine the dry weight of trace metals such as lead and zinc in pounds, determine the volume of pesticides and other organic contaminants such as oil and grease in gallons. The Pilot Project will then be able to determine the average debris weight per acre per year factor and the contaminant weight and volume per acre per year factors for the drainage area system.

Pursuant to Section 7 of the Endangered Species Act, I have made a determination of no effect to threatened or endangered species or their habitat. Please inform us within 30 days if you concur with our proposed findings. If you do not reply within this 30 day period, EPA will consider the lack of reply to indicate USFWS agreement with the findings.

For further information, please call Howard Kahan at (213) 244-1819 or Howard Kahan, US EPA Southern California Field Office 600 Wilshire Blvd. Suite 1460 (WTR-1), Los Angeles, CA 90017.

Sincerely,

Howard Kahan

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017

Mr. Milford Wayne Donaldson
State Historic Preservation Officer
Department of Parks and Recreation
P.O. Box 942896
Sacramento, California 94296-0001

May 23, 2007

RE: City of Westminster
Grant ID # XP-96965901-0

Dear Mr. Donaldson:

The City of Westminster plans on creating a water quality improvement pilot project. The project will determine the amount of debris and contaminants that can be collected using stormwater catch basin filter baskets and in-line stormwater debris interceptors.

The Pilot Project will involve two larger drainage areas and one smaller drainage area that are all adjacent to each other and are proposed to be connected together at their southerly downstream ends. The east drainage area is the 59 acre Pacific St. drainage area which is bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by the Cedarwood Ave. drainage area, and on the south by the properties on the south side of 10th St. and which drains to the intersection of Pacific St. and 10th St. The west drainage area is the 24.41 acre Cedarwood Ave. drainage area which is bounded on the north by Westminster Blvd., on the east by the Pacific St. drainage area, on the west by the properties along the Westside of Cedarwood Ave., and on the south by Hazard Ave. which drains to the intersection of Cedarwood Ave. and Hazard Ave. The south drainage area is the 5.2 acre Hazard Ave. drainage area fronting on Hazard Ave. from Cedarwood Ave. to 960 feet west of Cedarwood Ave. These combined drainage areas comprise 88.16 acres that all drains southerly and westerly to the existing open rectangular reinforced concrete Orange County Westminster Flood Control Channel C04 which drains westerly along the southerly side of Hazard Ave. and which stormwater eventually flows to the Pacific Ocean.

Currently there are not enough stormwater catch basins at the downstream end of these three drainage areas which causes flooding to occur in the areas of Pacific St. and 10th St., and the area of Cedarwood Ave. and Hazard Ave., and the area of Hazard Ave. west of Cedarwood Ave.

During storm events the stormwater runoff from these areas pick up all sorts of debris and contaminates including paper, wood, plastic, metal filings, rubber particles, landscape debris, bark, silt, dirt, pesticides, oils, grease and all other types of debris and contaminants from the properties, streets, parking areas, storage areas, landscape areas, parkways, sidewalks, and carries this debris and contaminants to the C04 Channel.

The Pilot Project proposes to retrofit the existing 59 acre Pacific St. storm drain system and the existing 24.41 acre Cedarwood Ave. storm drain system with stormwater catch basin filter baskets, and in-line stormwater debris interceptors, and to connect these two drainage areas together with the 5.2 acre Hazard Ave. drainage area with a new extended 2000 foot long multi-barrel 48 inch reinforced concrete storm drain pipe system that will discharge into the C04 Channel and that will in the future be part of a stormwater pump station system. The new storm drain system will include stormwater catch basins, stormwater catch basin filter baskets, and in-line stormwater debris interceptors at the outlet of the storm drain in order to provide clean up, pollution prevention, and the collection of data for the Pilot Project.

The new proposed storm drain system will be constructed from the intersection of Pacific St. and 10th St., and will then run westerly along 10th Street, southerly along Cedarwood Ave., and westerly along Hazard Ave., to connect to the C04 channel approximately 1000 feet westerly of Cedarwood Ave.

The Pilot Project proposes to recover the debris and filters from these drainage systems over a two year time period and have a certified testing laboratory measure the dry weight of debris in pounds, determine the dry weight of trace metals such as lead and zinc in pounds, determine the volume of pesticides and other organic contaminants such as oil and grease in gallons. The Pilot Project will then be able to determine the average debris weight per acre per year factor and the contaminant weight and volume per acre per year factors for the drainage area system.

A California Historical Resources Information System (CHRIS) Search was done for the Westminster area. The CHRIS search identified no archaeological sites within the project area. The CHRIS search also identified no historic properties within the project area. The EPA contacted tribal representatives on

EPA received one phone call from Anita Espinoza of the Juanita Band of Mission Indians. The Band asked to have a Native American monitor the project during excavation. The Band did not identify any known cultural resources in the project area. In discussion with the tribe, EPA will submit a hard copy of the environmental assessment, when completed, to the tribal representative.

EPA has determined that this project is a federal undertaking and the provisions of Section 106 of the National Historic Preservation Act apply. Because of the limited amount of ground moving activities and the lack of documentation of cultural resources, lack of known tribal records, the project being conducted in a previously disturbed area, EPA has determined that this project is not likely to adversely affected historical or cultural resources. Please inform us within 30 days if you concur with our proposed findings. If you do not reply within this 30 day period, EPA will consider the lack of reply to indicate SHPO's agreement with the findings.

Thank you for your consideration of this request. Please refer any questions you or your staff may have to me at (213) 244 – 1819 or at kahan.howard@epa.gov.

Sincerely,

Howard Kahan

Howard Kahan
Environmental Scientist
Water Division (WTR-1)

Enclosure: Site map
CHRIS Search
Memo of call with Juanita Band of Mission Indians
NAHC contact list
Letter to tribal reprsesentatives

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles CA 90017

April 27, 2007

Re: City of Westminster Water Quality Improvement Project

Dear Tribal Representative,

The City plans on creating a water quality improvement pilot project. The project will determine the amount of debris and contaminants that can be collected using stormwater catch basin filter baskets and in-line stormwater debris interceptors.

The Pilot Project will involve two larger drainage areas and one smaller drainage area that are all adjacent to each other and are proposed to be connected together at their southerly downstream ends. The east drainage area is the 59 acre Pacific St. drainage area which is bounded on the north by Westminster Blvd., on the east by Beach Blvd., on the west by the Cedarwood Ave. drainage area, and on the south by the properties on the south side of 10th St. and which drains to the intersection of Pacific St. and 10th St. The west drainage area is the 24.41 acre Cedarwood Ave. drainage area which is bounded on the north by Westminster Blvd., on the east by the Pacific St. drainage area, on the west by the properties along the Westside of Cedarwood Ave., and on the south by Hazard Ave. which drains to the intersection of Cedarwood Ave. and Hazard Ave. The south drainage area is the 5.2 acre Hazard Ave. drainage area fronting on Hazard Ave. from Cedarwood Ave. to 960 feet west of Cedarwood Ave. These combined drainage areas comprise 88.16 acres that all drains southerly and westerly to the existing open rectangular reinforced concrete Orange County Westminster Flood Control Channel C04 which drains westerly along the southerly side of Hazard Ave. and which stormwater eventually flows to the Pacific Ocean.

Currently there are not enough stormwater catch basins at the downstream end of these three drainage areas which causes flooding to occur in the areas of Pacific St. and 10th St., and the area of Cedarwood Ave. and Hazard Ave., and the area of Hazard Ave. west of Cedarwood Ave.

During storm events the stormwater runoff from these areas pick up all sorts of debris and contaminates including paper, wood, plastic, metal filings, rubber particles, landscape debris, bark, silt, dirt, pesticides, oils, grease and all other types of debris and contaminants from the properties, streets, parking areas, storage areas, landscape areas, parkways, sidewalks, and carries this debris and contaminants to the C04 Channel.

The Pilot Project proposes to retrofit the existing 59 acre Pacific St. storm drain system and the existing 24.41 acre Cedarwood Ave. storm drain system with stormwater catch basin filter baskets, and in-line stormwater debris interceptors, and to connect these two drainage areas together with the 5.2 acre Hazard Ave. drainage area with a new extended 2000 foot long multi-barrel 48 inch reinforced concrete storm drain pipe system that will discharge into the C04 Channel and that will in the future be part of a

stormwater pump station system. The new storm drain system will include stormwater catch basins, stormwater catch basin filter baskets, and in-line stormwater debris interceptors at the outlet of the storm drain in order to provide clean up, pollution prevention, and the collection of data for the Pilot Project.

The new proposed storm drain system will be constructed from the intersection of Pacific St. and 10th St., and will then run westerly along 10th Street, southerly along Cedarwood Ave., and westerly along Hazard Ave., to connect to the C04 channel approximately 1000 feet westerly of Cedarwood Ave.

The Pilot Project proposes to recover the debris and filters from these drainage systems over a two year time period and have a certified testing laboratory measure the dry weight of debris in pounds, determine the dry weight of trace metals such as lead and zinc in pounds, determine the volume of pesticides and other organic contaminants such as oil and grease in gallons. The Pilot Project will then be able to determine the average debris weight per acre per year factor and the contaminant weight and volume per acre per year factors for the drainage area system.

The purpose of this letter is to contact Native American tribal groups to determine whether there are Traditional Cultural Places in the vicinity of the project or other issues of concern. The City of Westminster did a records search on November 27, 2006. This did not identify any archaeological sites within ½ mile radius of the project site. No properties of historical significance are within ½ mile of the project site. No cultural resource investigations are within the project site. The project occurs in a previously disturbed urban area.

Please notify this office if you are aware of any historic properties of religious or cultural significance to the Tribe that may be affected by the proposed project. If we have not heard from you by May 15, 2007, we will assume that there are no areas of concern. If you have any questions regarding this request, please feel free to contact me by telephone at (213) 244-1819 or by fax at (213) 244-1850.

My email address is Kahan.howard@epa.gov
Thank you for your assistance in this matter.
Sincerely,

Howard Kahan
Environmental Scientist
Water Division (WTR-4)

STATE OF CALIFORNIA – THE RESOURCES AGENCY ARNOLD SCHWARZENEGGER, *Governor*

OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION
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www.ohp.parks.ca.gov

June 15, 2007

In Reply Refer To: EPA070529A

Howard Kahan
EPA Project Officer
United States Environmental Protection Agency
Region IX Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, California 90046

Re: City of Westminster Proposed Water Quality Improvement Pilot Project, Orange County, California (Grant ID# XP-96965901-0).

Dear Mr. Kahan:

Thank you for seeking consultation with me, regarding the above noted undertaking, pursuant to 36 CFR Part 800 (as amended 8-05-04) regulations implementing Section 106 of the National Historic Preservation Act (NHPA). The Environmental Protection Agency (EPA) is providing funds through the above noted grant for construction of the subject project and has identified it as an undertaking pursuant to the NHPA. The pilot project is designed to install and monitor the effectiveness of debris control measures in stormwater collection systems in two larger drainage areas and one smaller drainage area in the City of Westminster, located in western Orange County, These drainage basins total 88.16 acres in area, all of which is under residential and commercial urban development. These drainage basins all lead to the existing Orange County Westminster Flood Control Channel C04, from which water eventually flows to the Pacific Ocean.

The undertaking proposes to retrofit the existing storm drain system in the subject drainage basins with stormwater catch basin filter baskets and in-line stormwater debris interceptors, and to connect the drainage basins with a new 2,000 linear foot drain pipe (48-inch diameter) system, also with new debris collection facilities, that will discharge into the C04 channel. The new drainage line will be installed in existing city streets in previously disturbed areas. In addition to your letter of May 29, 2007, you have submitted the following documents in support of this undertaking:

- *Records Search Results for Water Quality Improvement Pilot Project for Stormwater Cleanup EPA Grant ID #XP96965901-0, SCCIC # 7061.4274* (South Central Coastal Information Center: November 27, 2007).

- Reply from the California Native American Heritage Commission (NAHC), April 24, 2007 to: EPA Section 106 of National Historic Preservation Act: Tribal Consultation

Request for Water Quality Improvement Project, City of Westminster, Orange County, California – Grant ID #XP-96965901-0; and letters from the EPA to Tribe and Native American Contacts recommended by the NAHC.

Based on my review of your letter, project APE map, and supporting documentation, I have no objection for your finding of No Historic Properties Affected. Be advised that under certain circumstances, such as unanticipated discovery or a change in project description, the EPA may have additional future responsibilities for this undertaking under 36 CFR Part 800.

Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact William Soule, Associate State Archeologist, at phone 916-654-4614 or email wsoule@parks.ca.gov.

Sincerely,

Susan K Stratton for

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer

Public Notice for the Finding of No Significant Impact for the City of Westminster – Water Quality Improvement Pilot Project for Stormwater Cleanup

The U.S. Environmental Protection Agency (EPA) is considering authorizing the expenditure of funds awarded to the City of Westminster in May of 2006. These funds ($626,300.00) were provided by the U.S. congress for a water quality pilot project in the City of Westminster.

In compliance with the National Environmental Policy Act, EPA has prepared an environmental assessment (EA) that examines the potential environmental impacts of the wide range of regulatory, environmental (both natural and human) and socio-economic factors, the EA did not identify any significant impacts from the implementation of the this project.

Copies of the EA and FONSI are also available for public review at the following locations:

US Environmental Protection Agency
Region 9 Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017

City of Westminster
8200 Westminster Blvd.
Westminster, CA 92683

In addition, the EA will be posted on the EPA website at
http://www.epa.gov/region09/nepa/epa-generated.html

To obtain additional information about the project, please contact Howard Kahan by email at: kahan.howard@epa.gov or by calling (213) 244-1819.

All interested persons may submit comments to EPA Region 9 by August 17, 2007. No administrative action will be taken on this proposed project prior to the expiration of the comment period. Comments, via letter, fax or email, should be sent to Howard Kahan at the address listed below.

Howard Kahan (WTR-1)
U.S. EPA, Region 9
Southern California Field Office
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017
Telephone: (213) 244-1819
Fax: (213) 244-1850
Email kahan.howard@epa.gov