

CONSERVATION

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Overview

The Conservation Element is the principal guide for the conservation and use of natural resources within the City. The City is committed to meeting the future needs of residents and businesses by ensuring a high quality of water, wastewater, storm drainage, solid waste, energy, and telecommunications systems. These systems will be expanded and improved as needed in order to continue to provide a high quality of service.

Amendments to the Conservation Element were adopted to address local interest and new State requirements:

- Conservation of water and mineral resources.
- Storm drainage and sewer systems.
- Waste reduction and recycling programs.
- Reductions in energy use, improved energy efficiency, and alternative energy systems.
- Innovative telecommunication systems.

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City water treatment facility

WATER RESOURCES

Beverly Hills General Plan

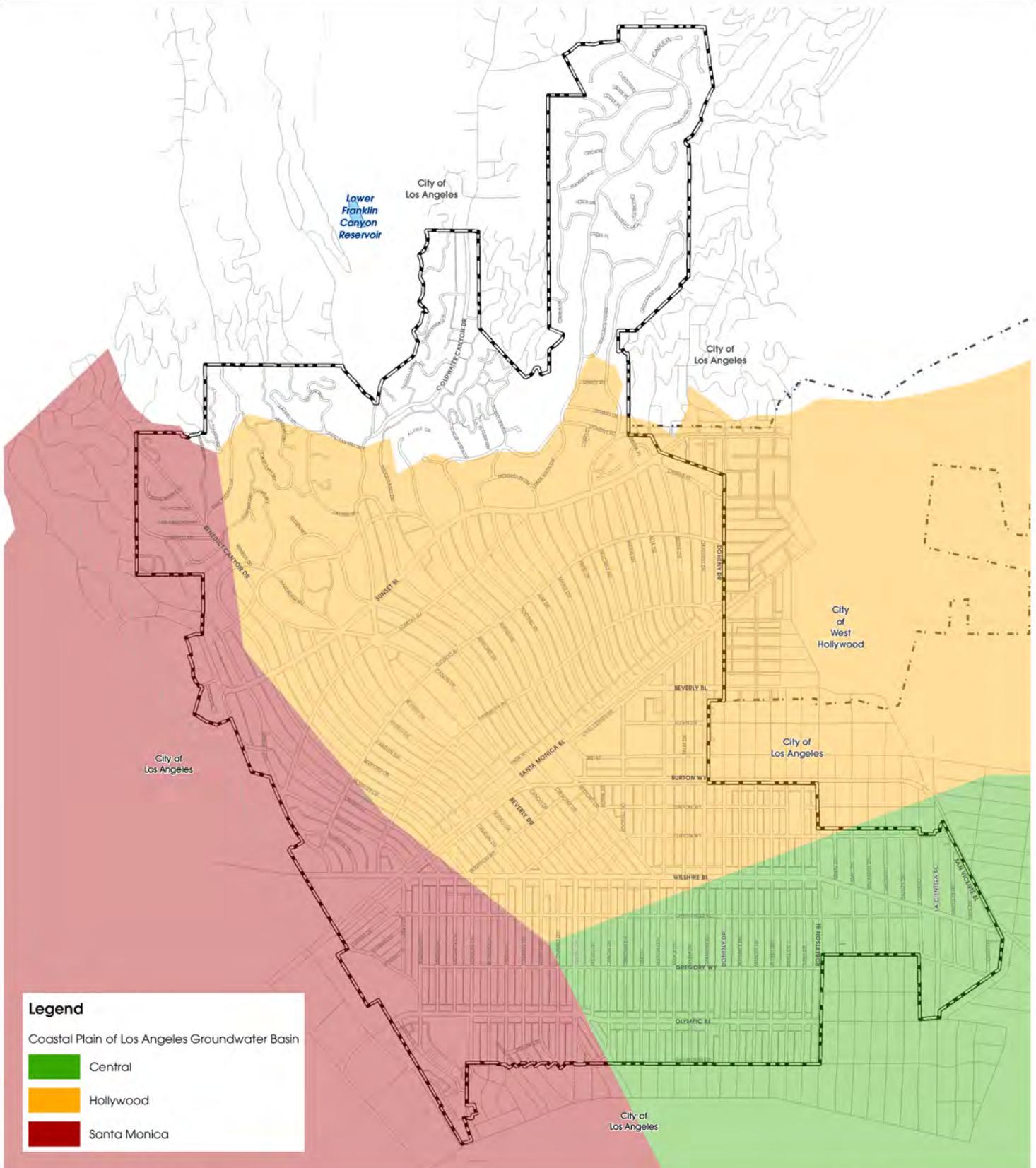
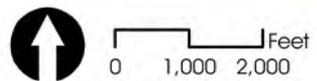


Figure CON1

Source: PBS&J, 2008



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Existing Storm Drain Locations

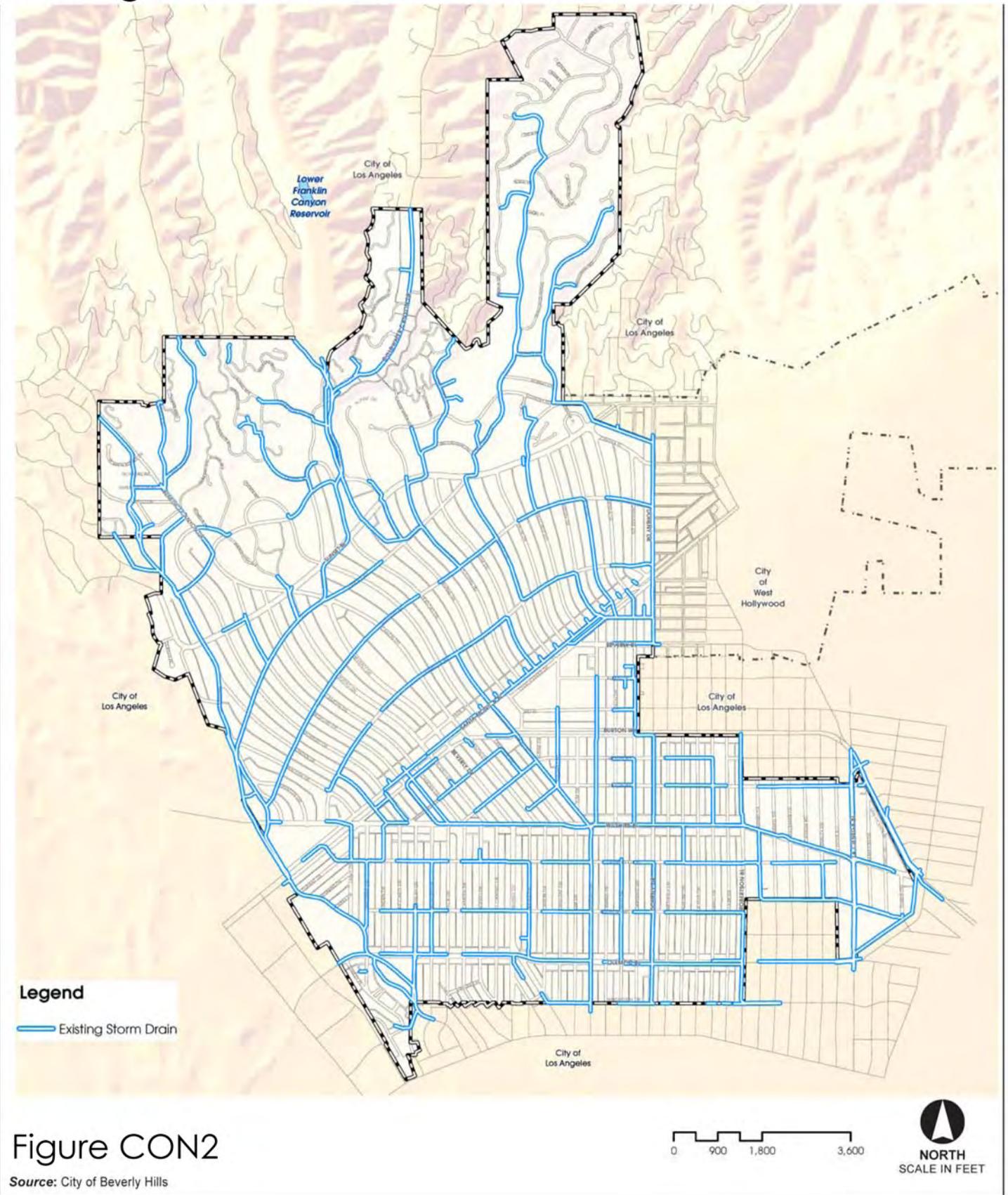
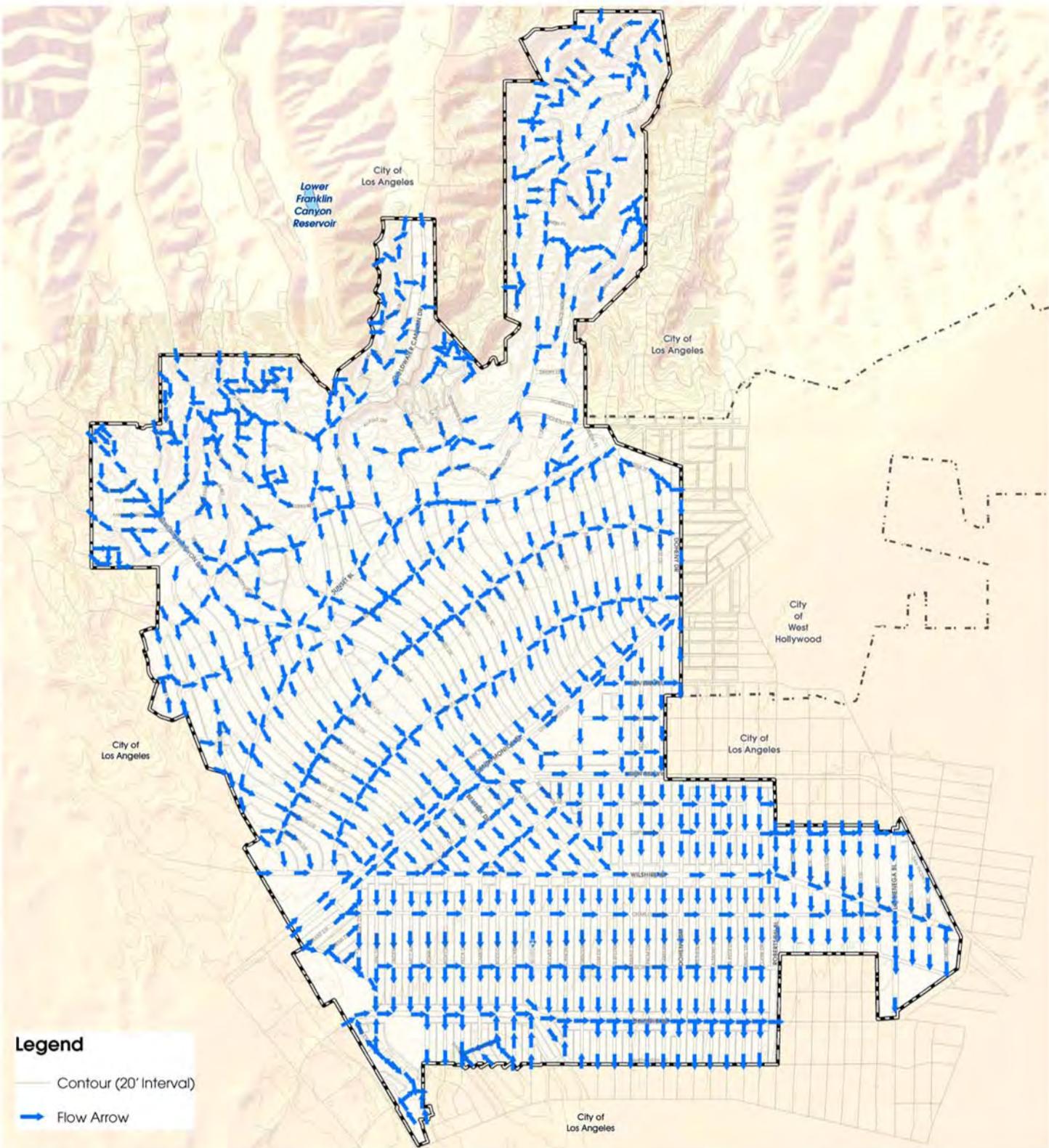


Figure CON2

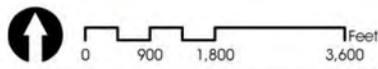
Source: City of Beverly Hills

CITY of BEVERLY HILLS Topographical Storm Water Surface Flow



Source: City of Beverly Hills.

Figure CON3



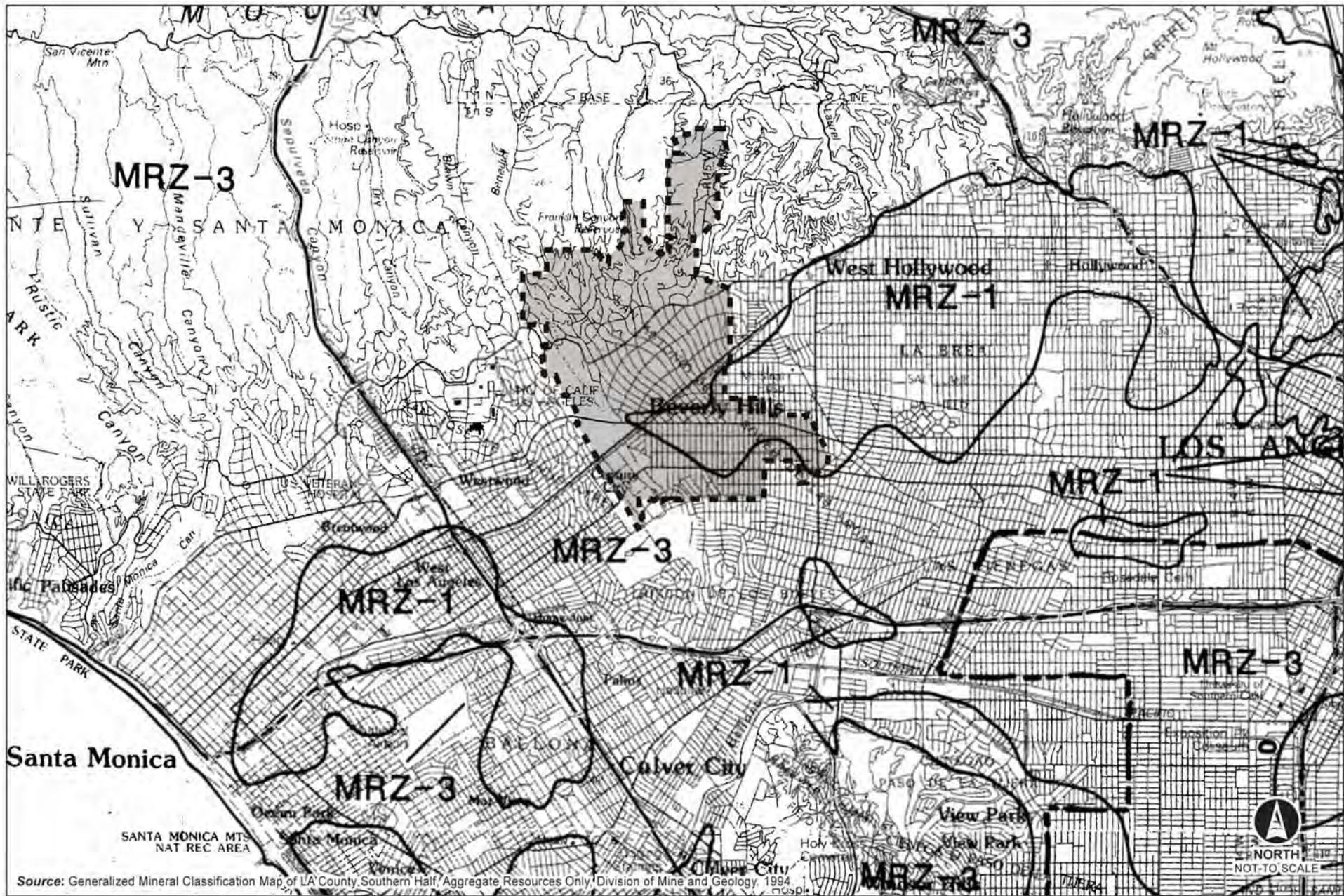


Figure CON4 Mineral Resource Zones



Figure CON5 Oil Fields

Goals and Policies

CON 1 Water Supply System. High-quality reliable water supply, treatment, distribution, pumping and storage systems that provide water as affordably as possible and meet current and future daily and peak water demands of the City, considering the sustainability goals and policies in this general plan.

CON 1.1 **Rights to Groundwater.** The City should continue to retain rights to groundwater. (CON Page 17.1.4, pg CON-17)

CON 1.2 **Urban Water Master Plan.** Review, evaluate, and update the City's Urban Water Master Plan (UWMP) and related capital improvement programs on a regular basis in order to maintain plans for expansion and improvement of distribution and storage facilities. The Department of Public Works shall determine water facilities needed to service the City, prepare capital improvements plans that include prioritization and identification of funding sources, and upgrade the water supply and distribution system accordingly. (Imp. 3.2)

CON 1.3 **Water Distribution System.** Upgrade, maintain, and expand water supply, distribution, pumping, storage, and treatment including facilities to address potential shortages in water supply from the California State Water Project and the Colorado River. (Imp. 3.2, 6.1)

CON 1.4 **Water Storage.** Maximize the City's access to water supplies, including possible acquisition of wells outside the City, and designate and acquire land, if necessary, for siting future water supply, storage, and distribution facilities. (Imp. 3.2)

CON 1.5 **Regulatory Standards.** Meet or exceed Federal and State drinking water regulatory standards through the testing, monitoring, conservation, and protection of drinking water. (Imp. 3.2)

Goals and Policies

CON 1.6 **Development Requirements—Water Service.** Require new development to be served from an approved domestic water supply. (Imp. 2.2)

CON 1.7 **Development Requirements—Groundwater.** Require engineering design and construction practices to ensure that existing and new development does not degrade the City's groundwater supplies. (Imp. 2.2)

CON 2 Water Conservation through System Improvements.

Provision of a system that minimizes water consumption through conservation methods and other techniques.

CON 2.1 **Water Conservation Goals.** Continue to establish, review, and update water conservation goals and benchmarks on a continuous basis. (Imp. 2.2, 3.2, 3.3, 3.4, 3.6)

CON 2.2 **Public Outreach on Need to Conserve Water.** Maintain and enhance the City's comprehensive program to educate and publicize the need to conserve water. (Imp. 2.2, 3.2, 3.3, 3.6, 8.1)

CON 2.3 **Water Conservation Measures for Public Facilities.** Continue to require water conservation measures and devices that limit water usage for all new municipal projects and major alterations to existing municipal facilities. (Imp. 2.2, 3.2, 3.3, 3.4)

CON 2.4 **Water Conservation Measures for Private Projects.** Continue providing incentives, and where practical, require the installation of water conserving measures, devices and practices for new private construction projects and major alterations to existing private buildings, including requirements for using reclaimed water for construction watering and for pumping subterranean water back into the ground rather than into the storm drain system. (Imp. 2.2, 3.2, 3.3, 3.4)

Goals and Policies

CON 2.5 **Water Efficient Landscaping.** Where feasible, encourage installation of drought tolerant landscaping or water-efficient irrigation systems for all private and city landscaping and parkways. Identify and implement minimum design and installation efficiency criteria for landscape irrigation systems. (Imp. 2.2, 3.2)

CON 2.6 **New Conservation Technology.** Explore ways to strengthen local building codes for new construction and to implement ordinances that require existing buildings to generate a higher level of water efficiency as a requirement for renovations or additions, and upon sale of the property. (Imp. 2.2, 3.2)

CON 2.7 **Funding.** Explore methods to provide financial support for water conservation efforts. (Imp. 3.1, 4.1, 4.2, 4.3)

CON 3 Water Conservation through Reduced Consumption.

Conservation programs that limit water consumption through site design, the use of water conservation systems and other techniques.

CON 3.1 **Water Conservation Ordinance.** Review the City's water conservation ordinance and efficient landscaping ordinance regularly, and modify them as appropriate to achieve best management practices. (Imp. 2.1, 2.2, 3.2)

CON 3.2 **Green Building Program.** Review the City's green building program to ensure that the program achieves water conservation, energy efficiency of buildings, encourages resource conservation, reduces waste generated by construction projects, and promotes the health and productivity of residents, workers, and visitors to the City. (Imp. 2.2)

Goals and Policies

CON 3.3 **Rebate Programs.** Continue cooperating with the Metropolitan Water District of Southern California (MWD) to offer rebate incentives for the replacement of inefficient plumbing fixtures with water saving fixtures for all residential, commercial, industrial, and institutional uses. (Imp. 2.1, 7.3)

CON 3.4 **Public Education.** Continue to provide public education to residents, businesses, and students regarding the importance and value of water conservation. Establish a comprehensive program to educate and publicize the need to conserve water, the incentives available, and regulations applicable to conserve water. (Imp. 2.1, 3.2, 8.1)

CON 3.5 **Restrict Water Runoff.** Restrict wasteful watering methods and control runoff. (Imp. 3.2, 3.4)

CON 3.6 **Water Auditing.** Establish auditing programs to evaluate the extent of success in meeting water conservation goals and the effectiveness of programs and technology. (Imp. 1.1)

CON 3.7 **Water Conservation Measures for Public Facilities.** Require water conservation measures/devices that limit water usage for all new municipal projects and major alterations to existing municipal facilities. These measures should include the use of water-efficient landscaping and irrigation, storm water capture, efficient appliances, and use of "gray water" for irrigation. Explore partnerships with other public agencies such as the Beverly Hills Unified School District to reduce water consumption. (Imp. 2.2, 3.2)

Goals and Policies

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| CON 3.8 | Water Conservation Measures for Private Projects. Require the installation of water conserving measures, devices and practices that meet “green building” standards for new private construction projects and major alterations to existing private buildings. (Imp. 2.1, 2.2) |
| CON 3.9 | Water-Efficient Landscaping. Encourage and promote drought-tolerant landscaping or water-efficient irrigation systems for all private and city landscaping and parkways. (Imp. 2.1, 2.2) |
| CON 3.10 | Optimum Timing for Water Irrigation. Require that all public and private irrigation systems irrigate at optimum times of the day, such as early mornings, or late afternoon and use weather sensors to facilitate optimum irrigation. Develop an enforcement mechanism and regulations to prohibit wasteful irrigation and water use practices, such as watering for street cleaning, and utilize technology to permit monitoring and control. (Imp. 2.1, 2.2, 3.2) |
| CON 3.11 | New Conservation Technology. Ensure all new private and City facility projects utilize conservation technologies. (Imp. 2.1, 2.2, 3.2) |
| CON 3.12 | Monitoring System. Adopt state-of-the-art water monitoring systems to remotely monitor the City’s water usage, leaks, and ruptures. (Imp. 3.2) |
| CON 3.13 | Infrastructure Upgrades. Continue to upgrade the City’s water infrastructure to minimize water leakage, ensure adequate supply for residents and businesses, and incorporate earthquake hardening techniques. (Imp. 3.2 6.1) |
| CON 3.14 | Funding. Explore methods to provide financial support for water conservation efforts. (Imp. 4.1) |

Goals and Policies

CON 3.15 Retrofit of Existing Multi-family Housing. Require that water fixtures such as shower heads, faucets and toilets be replaced with low-flow fixtures and other conservation features at the change of tenancy in multi-family residential units. (Imp 2.1, 2.2)

CON 4 Water Supply Costs. A system where the costs of improvements to the water supply, transmission, distribution, storage and treatment systems are borne by those who benefit.

CON 4.1 Developer Fees. Require the costs of improvements to the existing water supply, transmission, distribution, pumping, storage and treatment facilities necessitated by new development be borne by those benefiting from the improvements, either through the payment of fees, or by the actual construction of improvements. (Imp. 4.1)

CON 5 Alternative Water Resources. Expanded use of alternative water sources to provide adequate water supplies for present uses and future growth.

CON 5.1 Cooperative Ventures for Alternative Water Sources. Continue to explore new sources of water to serve the community, including cooperative ventures with other jurisdictions for reclaimed water or desalinization. (Imp. 7.1)

CON 5.2 Recycled Water Master Plan. Prepare and implement a Recycled Water Master Plan to serve irrigation and firefighting needs. Explore all possible reclaimed water opportunities, including the Los Angeles Department of Water and Power's and Los Angeles Bureau of Sanitations and Integrated Resource Plan, and any rights to Hyperion treated water. Explore feasibility of developing a city reclamation plant for reclaimed water, including potential sites. (Imp. 3.2, 7.1)

Goals and Policies

CON 5.3 **Funding Sources.** Apply for federal, state, and private grants to assist the City in developing a recycled water infrastructure. Explore feasibility of issuing bonds for this purpose. Explore opportunities to partner with other agencies. (Imp. 7.2)

CON 6 Groundwater Recharge. A system that recharges the groundwater resources.

CON 6.1 **Alleys.** Develop aesthetic and functional criteria for repaving of alleys and explore whether materials are available that could increase the amount of permeable surfaces. (Imp. 3.4)

CON 6.2 **Stormwater.** Require that grading plans be designed and implemented to reduce storm water runoff by capturing rainwater onsite and stored on a temporary, short-term basis to facilitate groundwater recharge rather than relying solely on community drainage facilities. (Imp. 3.4)

CON 6.3 **Shallow Groundwater.** Further enhance the City's efforts to minimize shallow groundwater being discharged to the stormwater system, and encourage beneficial use instead of dewatering subterranean structures. (Imp. 3.4)

CON 7 Wastewater Treatment System. A wastewater collection and treatment system that supports existing and planned development.

CON 7.1 **System Maintenance.** Maintain, upgrade, and expand existing wastewater collection and treatment facilities as appropriate. (Imp. 3.3, 6.1)

CON 7.2 **Municipal Connections & Capacity.** Require that development be connected to the municipal sewer system, and ensure that adequate capacity is available for the treatment of generated wastewater flows and the safe disposal of generated sludge. (Imp. 2.2)

Goals and Policies

CON 7.3 **Sewer Analysis for New Development.** Require that new development and major renovation projects submit a sewer analysis outlining capacity and improvement needs to the satisfaction of the City prior to the issuance of building permits. (Imp. 2.2, 3.3)

CON 7.4 **Water Conservation.** Require that wastewater flows be minimized in existing and future developments through water conservation and recycling efforts. (Imp. 2.1, 2.2)

CON 7.5 **Fees.** Review existing sewer fees annually to ensure adequate fees and charges are collected to fund the construction of new facilities and the upgrading and replacement of existing facilities. (Imp. 4.1)

CON 7.6 **Wastewater Management Plan.** Undertake the preparation of a Sewer System Management Plan (SSMP) to identify the extent of any system deficiencies, including areas of overflows, identify users, and support long-term capital planning for necessary system upgrades. (Imp. 3.3)

CON 8 Public Safety. Wastewater collection and treatment facilities that operate in a manner that maximizes public safety.

CON 8.1 **Monitoring of Toxins.** Continue to monitor businesses that may generate toxic or potentially hazardous substances in order to prevent contamination of water and wastewater. (Imp. 3.3, 3.4)

CON 8.2 **Waste Discharge Requirements.** Continue to require that all industrial and business sewer discharges comply with the City's waste discharge requirements and permits as outlined in the City Ordinance. (Imp. 3.3)

Goals and Policies

CON 8.3 **National Pollutant Discharge Elimination System (NPDES) and South Coast Air Quality Management District (SCAQMD) Regulations.** Continue to implement, as appropriate, the requirements of the NPDES and SCAQMD regulations, including requiring the use of Best Management Practices by businesses in the City. (Imp. 3.3)

CON 9 Sanitary Sewer System that Preserves Water Quality. A high-quality sanitary sewer system that minimizes the adverse effects to water quality.

CON 9.1 **Sanitary Sewer Management Plan.** Update the Sanitary Sewer Management Plan to address emergency spill response, preventative maintenance, legal authority, and pollution mitigation measures. (Imp. 3.3)

CON 9.2 **Public Outreach.** Prepare a public outreach campaign to communicate requirements to residents and businesses to limit the amount of fats, oils, grease, and toxic chemicals entering the sewer system. (Imp. 8.1)

CON 9.3 **Annual Inspections for Food Establishments.** Continue to annually inspect all restaurant, hotel, and catering establishments to ensure that proper disposal standards for fats, oils, and grease are followed. (Imp. 3.3)

CON 9.4 **Sewer System Upgrades.** Continue to upgrade, inspect, and improve the City's sewer infrastructure to minimize deficiencies, reduce leaks and contamination, and minimize the number of Sanitary Sewer Overflows (SSOs). (Imp. 3.3)

CON 9.5 **Penalties and Fines.** Implement more severe fines for dumping bio-solids into the City's sewer system. (Imp. 4.1)

Goals and Policies

CON 9.6 **Implement Tiered Conservation Rates for Water Consumption.** Consider tiered water rates to encourage water conservation and corresponding sanitary sewer conservation efforts. (Imp. 4.1)

CON 10 Storm Drainage System. Provision of a fiscally sustaining storm drainage system that reduces pollutants entering the ocean.

CON 10.1 **Storm Drain Maintenance.** Maintain and upgrade public storm drains and storage control facilities, and construct or expand storm drain and flood control facilities, to protect the community from risks to lives and property associated with flooding and storm water runoff. (Imp. 3.4)

CON 10.2 **Drain System Master Plan.** Review and update the City's Drain System Master Plan to outline needed improvements and ensure that pollutants entering the system are minimized. (Imp. 3.4)

CON 10.3 **Storm Runoff Impacts.** Require new development to prepare hydrologic studies to assess storm runoff impacts on the local and sub-regional storm drainage systems, and, if warranted, require new development to provide adequate drainage facilities and mitigate increases in stormwater flows and/or cumulative increases in regional flows. Require final drainage plans be submitted for review and approval. (Imp. 2.2)

CON 10.4 **Fees.** Annually review the development charge, acquisition of service charge, and monthly service charges in order to ensure that adequate amounts of fees and charges are collected to fund the operation and maintenance of existing facilities and construction of new facilities. (Imp. 4.1)

Goals and Policies

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| CON 10.5 | Enforcement. Take necessary enforcement action to eliminate illegal storm water discharges. (Imp. 3.4) |
| CON 10.6 | Flood Mitigation Activities/Programs. Continue to implement existing flood mitigation activities and programs, including the following: |
| CON 10.6a | Inspect and clean all storm water catch basins and culverts on a monthly schedule. |
| CON 10.6b | Inspect and clean catch basins owned and operated by the Los Angeles Flood Control District in key locations within the City prior to storm events. |
| CON 10.6c | Schedule street cleaning to remove organic and nonorganic debris from roadways to mitigate or reduce debris entering catch basins. |
| CON 10.6d | Replace old cast iron pipes with more ductile iron pipes, to be more resilient in the event of a flood hazard. (Imp. 3.2) |

CON 11 Storm Drainage System that Preserves Water Quality.

Provision of a storm drainage system that does not degrade the quality of the City's surface waters, groundwater system, and other sensitive environmental areas.

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| CON 11.1 | Development Mitigation. Require that new development does not degrade surface waters or the groundwater system. (Imp. 2.2) |
| CON 11.2 | Pollution Loading. Reduce pollutant loading through passive treatment systems such as vegetated filter strips, grass swales, and infiltration/sedimentation areas in suitable open space areas, overland flow channels and landscaping adjacent to parking lots and streets. (Imp. 2.2, 3.4) |

Goals and Policies

CON 11.3 **National Pollutant Discharge Elimination System (NPDES) Permit.** Require developers to obtain and comply with a National Pollutant Discharge Elimination System (NPDES) permit from the State Water Resources Control Board (SWRCB). (Imp. 2.2, 3.4)

CON 11.4 **Drainage Technology.** Require that new developments employ the most efficient drainage technology to control drainage and minimize damage to environmentally sensitive areas. (Imp. 2.2)

CON 11.5 **Pesticides.** Require that individual project owners and operators handle, store, apply, and dispose of all pest control, herbicide, insecticide, and other similar substances in compliance with all applicable Federal, State, and local regulations. (Imp. 3.4)

CON 12 Storm Drainage Toxicity. A system that minimizes the amount and toxicity of discharge into the storm drain system.

CON 12.1 **Filters and/or Screens at Catch Basins.** Maintain and enhance a program that requires the installation of filters and/or screens at catch basins to minimize debris from entering the city storm drain system. (Imp. 3.4)

CON 12.2 **Permeable Surfaces.** Require the use of landscaping and permeable service treatments in new developments as alternatives to non-permeable surfaces, and explore the feasibility of retrofitting existing large asphalt surfaces in the community such as alleys, parking lots, and driveways into more permeable alternatives. (Imp. 3.4)

CON 12.3 **Water Quality Standards.** Continue to update and enforce the City's standards for the quality of stormwater discharged into the system. (Imp. 3.4)

Goals and Policies

CON 12.4 **Storm Water System Master Plan.** Update the City's Storm Water System Master Plan and fund identified improvement projects. (Imp. 3.4)

CON 12.5 **Removal of Debris.** Require that parking lots and public and private streets and alleys be cleaned as frequently as necessary, and in a manner that minimizes noise and water consumption, to remove debris and contaminated residue. (Imp. 3.4)

CON 12.6 **Stormwater Capture and Re-Charge.** Where feasible, use City parks for stormwater capture and recharge through grading, channeling, and subterranean and other feasible capture methods. (Imp. 3.4)

CON 12.7 **Penalties and Fines.** Implement fines for dumping bio-solids directly or indirectly into the City's storm drain system. (Imp. 4.1)

CON 13 Solid Waste Collection and Disposal Operations and

Costs. Solid waste services that operate in accordance with the California Integrated Waste Management Act of 1989 (AB 939), and are funded in a manner that reduces the cost of collection and disposal.

CON 13.1 **Waste Collection.** Provide an adequate and orderly system for collection and disposal of solid waste for new and existing development in the City. (Imp. 3.5)

CON 13.2 **Waste Collection Services.** Maintain adequate solid waste collection for commercial, industrial, and residential developments in accordance with state law. (Imp. 3.5)

CON 13.3 **Monitor Waste Collection Operations.** Monitor the operations of garbage collection to ensure that service levels are adequate. (Imp. 3.5)

Goals and Policies

CON 13.4 **Regional and State Measures.** Encourage and support regional and statewide efforts to identify, entitle, and open new landfill capacity options, and increase diversion of solid waste. (Imp. 7.0)

CON 14 Conservation. A solid Waste collection and disposal system that maximizes source reduction, recycling and composting.

CON 14.1 **Enforcement of a Recycling Program.** Continue to utilize the Materials Recovery Facility (MRF) as part of a comprehensive recycling program. (Imp. 3.5)

CON 14.2 **Expanded Materials Recovery Program.** Improve the City's rate of recycling by continuing solid waste recycling programs for residential use, and consider expanding this program to include non-residential uses as well. (Imp. 3.5)

CON 14.3 **Plastic Bags.** Discourage the use of plastic bags by grocery stores and other retailers. (Imp. 3.5)

CON 14.4 **Expand Recycling Programs.** Expand recycling efforts, and continue to encourage recycling by all residents. (Imp. 3.5)

CON 14.5 **Waste Reduction and Recycling.** Review and adopt the Draft Source Reduction and Recycling Element (SRRE) and the Household Hazardous Waste Element (HHWE) consistent with the requirements of the California Integrated Waste Management Act (CIWMA) of 1989 and the California Integrated Waste Management Board. Subsequently monitor the implementation of these programs. (Imp. 3.5)

CON 15 Public Outreach. Effective public participation in source reduction, recycling, and composting activities through outreach programs.

CON 15.1 **Waste Reduction.** Study and actively pursue methods of educating the public on recycling and reuse of materials. (Imp. 2.1, 8.1)

Goals and Policies

CON 15.2 **Sustainable Gardening Programs for Professional Gardeners.** Explore making educational programs available to City residents and professional gardeners to increase their compliance with the use of local and State sustainability rules/guidelines. Consider mandating completion of an educational course in greenwaste recycling, composting and sustainable gardening practices for all professional gardeners that provide services in the City. (Imp. 3.5, 8.1)

CON 15.3 **Water Use.** Continue to make available and expand water-wise and water reduction educational programs such as the "Protector del Aqua" course. (Imp 3.5, 8.1)

CON 16 Waste Reduction. An efficient and innovative waste management program that reduces the amount of waste material entering regional landfills.

CON 16.1 **Recycling and Waste Diversion Benchmarks.** Establish benchmarks and develop innovative methods and strategies designed to reduce the amount of waste materials entering landfills over the next 20 years. (Imp. 2.1, 3.5, 7.2)

CON 16.2 **Recycling Areas.** Require designated areas for the collection and loading of recyclables in new and substantially renovated buildings and sites. The receptacles that collect recyclable materials shall be covered and kept in a concrete paved area that is completely screened from public view. (Imp. 2.2)

CON 16.3 **Rate Re-structuring.** Explore feasibility of establishing fees that are based on the proportion of solid waste not diverted to the landfill by any particular user. (Imp. 4.1)

Goals and Policies

CON 16.4 **Regulate Professional Gardeners.** Regulate professional gardeners and enforce compliance with greenwaste requirements. (Imp. 3.5)

CON 16.5 **Facilitate Recycling in Multi-Family Structures.** Require new or renovated multi-family residential structures to include separate chutes or other facilities to facilitate separation of recyclable materials. (Imp. 2.2)

CON 16.6 **Recycled Building Materials.** Encourage the use of recycled building materials wherever possible for new or renovated public and private development. (Imp. 2.1, 2.2)

CON 16.7 **Demolition Waste.** Require the recycling of demolition waste for new construction and renovation and projects. (Imp. 2.1, 2.2)

CON 17 Natural Gas System. Provision of an adequate, safe, and dependable supply of natural gas energy to support existing and future land uses within the City.

CON 17.1 **New Development Requirements.** Require that new development is approved contingent upon its ability to be served with adequate natural gas facilities and infrastructure. (Imp. 2.2)

CON 17.2 **Adequate Facilities.** Coordinate with the Southern California Gas Company to ensure that adequate natural gas facilities are available to meet the demands of existing and future developments, and to encourage conservation techniques. (Imp. 2.2& 7.0)

CON 18 Electrical Energy System. Provision of an adequate, safe, and dependable supply of electrical energy to support existing and future land uses within the City.

CON 18.1 **New Development Requirements.** Require that new development is approved contingent upon the ability to be served with adequate electrical facilities and service. (Imp. 2.2)

Goals and Policies

CON 18.2 **Adequate Facilities.** Work with Southern California Edison and the City's Department of Public Works and Transportation to ensure that adequate electrical facilities are available to meet the demand of existing and future development, and to encourage conservation. (Imp. 2.2)

CON 18.3 **Underground Utilities.** Continue to provide for the undergrounding of new and existing electrical distribution lines unless it is determined not to be economically or practically feasible in a particular location as a result of significant environmental or other constraints. Explore innovative funding sources for undergrounding utilities. (Imp 2.2)

CON 18.4 **Energy Choice Aggregation.** Continue to research and consider participating in programs like Community Choice Aggregation to increase the percentage of renewable energy over that available from Southern California Edison, including rate setting that would promote conservation. (Imp. 7.1, 7.2& 7.3)

CON 19 Conservation. Provision of affordable and reliable energy resources to residents and businesses that minimize energy consumption.

CON 19.1 **Energy Efficient Lighting.** Install light emitting diodes (LED) for traffic, street, and other outdoor lighting. (Imp. 2.1, 2.2)

Goals and Policies

CON 19.2 **Energy Conservation Program.** Prepare a comprehensive Energy Conservation Program that provides goals, benchmarks, strategies, and criteria to improve energy efficiency for existing and new public facilities and for private development and renovation projects. The program should provide incentives and disincentives to discourage practices such as night time building illumination and leaving doors open when air conditioning is on, to reduce energy use and minimize “night sky” effect. (Imp. 2.1, 2.2)

CON 19.3 **Reduced Energy Consumption for Public and Private Facilities.** Install energy efficient appliances and alternative energy infrastructure such as solar energy panels (photovoltaic panels) on all City facilities. Encourage installation of solar energy panels on private development. Develop partnerships with residents to encourage use of solar energy panels and other solar energy technologies. (Imp. 2.1, 2.2)

CON 19.4 **Solar Power Stations and Use of Photo-Voltaic Systems.** Consider satisfying some or all of the City’s electrical power needs through creation of solar power stations (photovoltaic stations) and require the use of these systems whenever possible in City facilities. These stations could be located on parking structures and roofs. (Imp. 2.1, 2.2)

CON 19.5 **Public Outreach.** Continue to promote energy conservation measures and options to all residents, businesses, consultants, contractors, etc., through newsletters, brochures, and the City’s website. Develop incentives and an energy conservation award. (Imp. 8.1)

Goals and Policies

CON 19.6 **Cooperative Venture with Other Jurisdictions.** Study the feasibility of City partnerships with other agencies to purchase and supply power to residents. Partnering with other communities to purchase and supply power could increase the amount of renewable energy used over that which is available from Southern California Edison, and allow local rate setting that would promote conservation. (Imp. 7.1, 7.2, 7.3)

CON 19.7 **Green Building Standards.** Review and update the City's Green Building standards to apply to all public and private facilities to ensure the design, construction and operation of buildings are utilizing the best and most up to date "green" practices. (Imp. 2.1, 2.2)

CON 19.8 **Community Outreach for Green Building Program.** Create a program to educate and assist residents and businesses on "green building" practices in order to increase energy performance in existing structures. (Imp. 8.1)

CON 20 Telecommunication System. The provision of an adequate, safe, and dependable telecommunication infrastructure to support existing and future land uses within the City.

CON 20.1 **Development Requirements.** Require that all new construction intended to be used for professional offices be wired to link with cable, fiber optic systems, or other modern communication systems. (Imp. 2.2)

CON 20.2 **Telecommunications.** Provide for the continued development and expansion of telecommunications systems in appropriate locations, including cable and, as feasible, fiber optics, for access of data and information, and other communication purposes. (Imp. 2.2)

Goals and Policies

CON 20.3 **Cable Television Systems.** Ensure the City's cable television system is capable of providing information regarding community services, activities, and City issues, and that cable access is available. (Imp. 2.2)

CON 20.4 **Fiber Optic Network.** Promote the extension of the regional fiber optic network into the City, including the Municipal Area Network (MAN) to serve City facilities. (Imp. 2.2)

CON 20.5 **Evolving Technologies.** Continue to explore the feasibility of new systems and technologies that may enhance City operations and service to the public, and require City Departments to adopt new technologies as appropriate. (Imp. 6.2)

CON 20.6 **Undergrounding of Utilities.** Continue to require that utilities be undergrounded in all new development and establish criteria or standards for undergrounding in rehabilitation projects. (Imp. 2.2)

CON 21 Oil & Gas. Minimized impacts from oil and gas activities.

CON 21.1 **New Extraction Activities.** Prohibit new drill sites in new locations within the City for production of oil, gas, or other hydrocarbon substances. (Imp. 2.1)

CON 21.2 **Existing Extraction Facilities.** Develop a plan to phase out existing oil drilling sites as soon as practicable. (Imp. 2.1)

Goals and Policies

CON 22 Conservation of Natural Resources. Conserve and enhance natural resources for the continued enjoyment of the community and future generations.

CON 22.1 **Conservation of Open Space.** Continue to preserve, protect, and provide access to public open spaces and greenbelts and natural areas. Coordinate conservation efforts with adjoining communities, natural lands management agencies and non-profits to assure compatible lands management in areas that share a common boundary. (Imp. 2.1)

CON 22.2 **Street Tree Master Plan.** Maintain the City's Street Tree Master Plan and revise as needed to help improve the airshed, save water and minimize urban heat island effects through tree specimen choices, giving consideration to the established historic and aesthetic character of streets. (Imp. 3.8)

CON 23 Protect new construction from existing hazards. (CON Page 30.1, pg CON-30)

CON 24 Prevent the creation of new hazards from unwise grading and drainage procedures. (CON Page 30.2, pg CON-30)

CON 24.1 Require all of the recommendations of geologists to be incorporated into the construction plans prior to issuance of a building permit. (CON Page 31.1.c, pg CON-31)

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Amendments

| <u>Date</u> | <u>Resolution</u> | <u>Description</u> |
|------------------|-------------------|---|
| January 2, 1979 | 79-R-5936 | Adoption of element |
| January 12, 2010 | 10-R-12725 | Broad amendments to element including State required and locally desired conservation and sustainability goals, policies and implementation programs. |

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