MWD
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

November 24, 1992

To: Board of Directors (Engineering & Operations Committee--Action) (Water Problems Committee--Action)

From: General Manager

Subject: Groundwater Recovery Program Agreement for Rowland Groundwater Treatment Project

Report

Three Valleys Municipal Water District (TVMWD) and the Rowland Water District (Rowland) have requested financial assistance for Rowland's Groundwater Treatment Project (Project) under the principles of Metropolitan's Groundwater Recovery Program (GRP). The Project, which will be located in the highly contaminated Puente Groundwater Basin, will increase groundwater production by treating groundwater containing total dissolved solids (TDS), volatile organic compounds and hardness in excess of drinking water standards and then serving that treated water to meet Rowland's municipal needs. Rowland will be responsible for assuring that the Project will be consistent with all applicable groundwater management programs and agreements. Attachment 1 describes the Project features. The Project includes the construction of a well approximately 300 feet in depth, a treatment plant and appurtenant structures to recover contaminated groundwater.

Under a proposed agreement, Metropolitan's financial contribution to the Project would be adjusted annually to equal those Project costs exceeding Metropolitan's water rate, subject to a maximum program contribution set by your Board (currently $250 per acre-foot), which may be increased in the future. The agreement term would be 20 years. The financial contribution would be provided to Rowland as a water sales payment through a yield-purchase arrangement similar to that used for previously approved GRP projects.

To deal with the inherent uncertainty associated with developing a groundwater project, the agreement will include financial provisions for the final project to operate at plus or minus 20 percent of Project capacity. Hence, the maximum amount of water purchased by Metropolitan would be 620 acre-

feet per year (AFY) which is 120 percent of Project capacity (516 AFY).

Metropolitan's contribution rate is estimated as $250 per acre-foot for each year of Project operation. However, Metropolitan would recalculate this contribution rate annually based on documented Project cost data and changes in the treated noninterruptible water rate. Attachment 2 is a forecast of Metropolitan's annual contributions to this Project. Metropolitan's annual contribution beginning in fiscal year 1993-94 will be approximately $130,000 and will be included in future operation and maintenance budgets.

Pursuant to the California Environmental Quality Act (CEQA), a Negative Declaration has been prepared by Rowland acting as the Lead Agency. Transmitted as Attachment 3, is a copy of the Negative Declaration. Any changes or alterations to the project to mitigate or avoid the significant environmental effects, if any, of the proposed project are within the responsibility and jurisdiction of Rowland.

Metropolitan, as a "Responsible Agency, has responsibility for mitigating or avoiding only the direct or indirect environmental effects of those parts of the overall project which it decides to carry out, finance, or approve" (State CEQA Guidelines, Section 15096 (g)(1)). You are required to review and consider the information contained in the Negative Declaration. In this case, the Negative Declaration indicates that the Project will not have a significant effect on the environment.

Board Committee Assignments

This letter is referred for action to:

The Water Problems Committee pursuant to Sections 2481(d) and (i) of Metropolitan's Administrative Code granting it authority regarding policies dealing with the sale and delivery of water for various uses, and underground storage of water and the use thereof.

The Engineering and Operations Committee pursuant to Section 2431(c) of Metropolitan's Administrative Code granting it authority regarding facilities for the production, exchange, sale, storage and treatment of water.

Recommendation

WATER PROBLEMS AND ENGINEERING & OPERATIONS COMMITTEES FOR ACTION.

1. That the Board and any advisory committees review and consider the Initial Study and Negative Declaration (attachments to this letter) for the Rowland Groundwater Treatment Project, and find that any changes and alterations are within the responsibility of another agency (Rowland Water District).

2. It is recommended that the General Manager be authorized to execute an agreement with Three Valleys Municipal Water District and Rowland Water District to implement the Rowland Treatment Project, said agreement to be consistent with the major terms and conditions in this letter and in a form approved by the General Counsel.

Carl Boronkay

JFV:bvf

Attachments

Attachment 1

Rowland Groundwater Treatment Project

The Rowland Groundwater Treatment Project (Project), will consist of the construction and operation of a water supply well, a reverse osmosis (RO) treatment system, a granular activated carbon (GAC) treatment facility, chemical storage facilities, yard piping, brine disposal piping and appurtenant structures. The Project will use groundwater from the Puente Basin which is contaminated with trichloroethylene (TCE), tetrachloroethylene (PCE) and total dissolved solids (TDS). The project will supply an estimated 516 acre-feet per year (AFY) of treated water for use in the Rowland Water District potable water system.

The new proposed well will be about 300 feet deep and be located approximately one-half mile west of Azusa Avenue and Chestnut Street intersection in the City of Industry. The well is designed to produce in the range of 500 gallons per minute (gpm). With the well operating 85 percent of the time, the total amount of water withdrawn from the Puente basin will be approximately 607 AFY.

The RO treatment which will reduce TDS content, will be followed by GAC treatment to remove TCE and PCE. About 91 AFY of reject brine will be disposed in The County Sanitation Districts of Los Angeles County's sewer system. Project facility shall terminate at its points of connection to the existing water distribution and sewer systems.

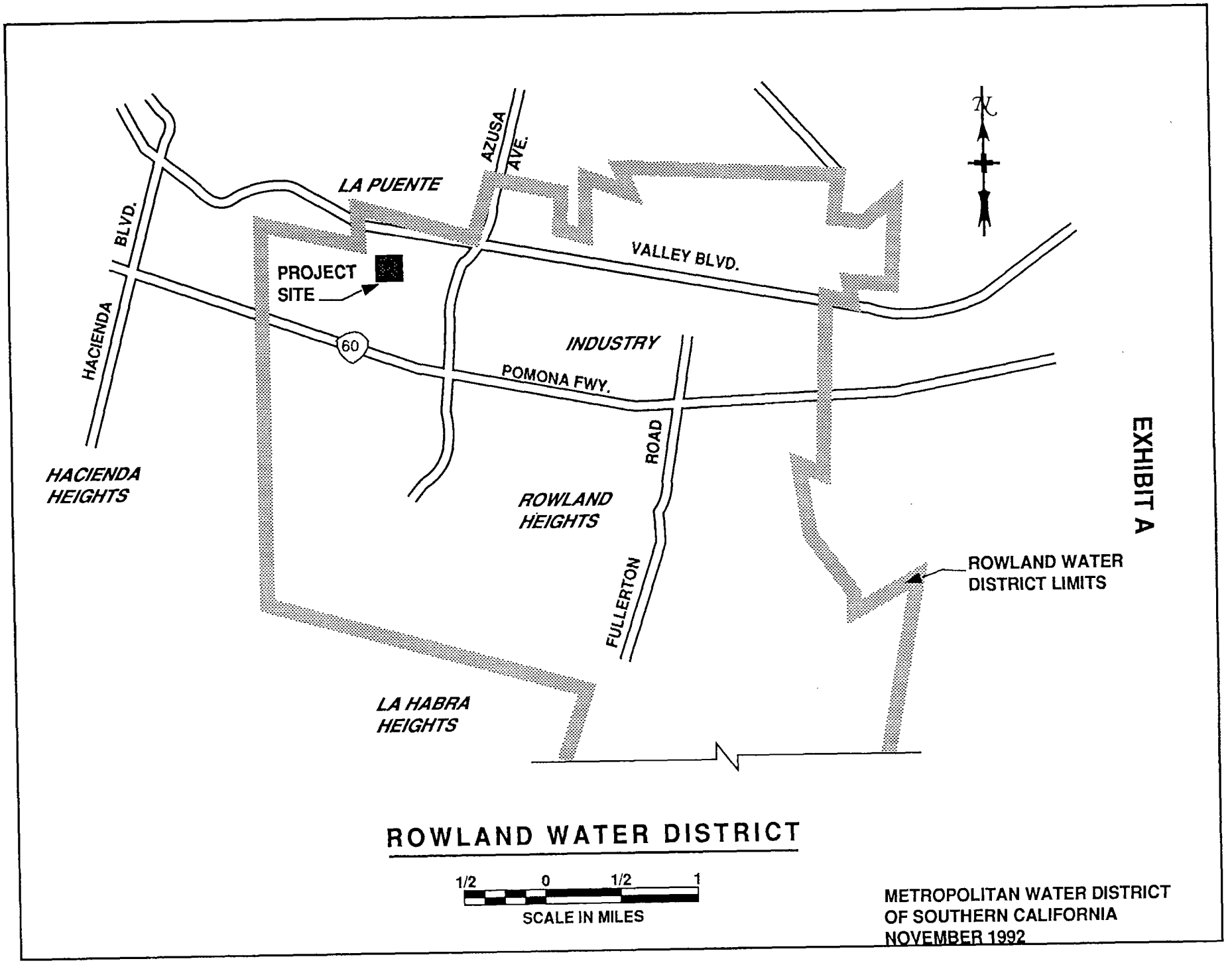
EXHIBIT A
N
LA PUENTE
AZUSA AVE.
VALLEY BLVD.
HACIENDA BLVD.
PROJECT SITE
60
INDUSTRY
POMONA FWY.
HACIENDA HEIGHTS
ROWLAND HEIGHTS
FULLERTON ROAD
ROWLAND WATER DISTRICT LIMITS
LA HABRA HEIGHTS
ROWLAND WATER DISTRICT
1/2 0 1/2 1
SCALE IN MILES
METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
NOVEMBER 1992

Attachment 2

ROWLAND GROUNDWATER TREATMENT PROJECT
Projection of MWD Contributions

Fiscal Year	MWD Contributions Per Acre-Foot ($/AF)	MWD Contributions Annual Total ($)
1993-1994	250	130,000
1994-1995	250	130,000
1995-1996	250	130,000
1996-1997	250	130,000
1997-1998	250	130,000
1998-1999	250	130,000
1999-2000	250	130,000
2000-2001	250	130,000
2001-2002	250	130,000
2002-2003	250	130,000
2003-2004	250	130,000
2004-2005	250	130,000
2005-2006	250	130,000
2006-2007	250	130,000
2007-2008	250	130,000
2008-2009	250	130,000
2009-2010	250	130,000
2010-2011	250	130,000
2011-2012	250	130,000
2012-2013	250	130,000
		2,600,000

Attachment 3

NOTICE OF DETERMINATION

TO : Secretary of Resources
1416 9th Street, Room 1311
Sacramento, CA. 95814

FROM: Rowland Water District
3021 S. Fullerton Road
Post Office Box 8460
Rowland Heights, CA 91748

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

Project Title: Rowland Water District - Puente Basin Well #1

State Clearinghouse Number: 92101077

Contact Person: Anthony Poli, General Manager

Project Location: City of Industry - Los Angeles County

Project Description: Drilling and equipping a water supply Well

This is to advise that the Rowland Water District on November 10, 1992 made the following determinations regarding the above-described project:

(1) The project [ ] will [X] will not have a significant effect on the environment.

(2) [ ] An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.

[X] A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.

The EIR or Negative Declaration and record of project may be examined at: Rowland Water District.

(3) Mitigation Measures [ ] were [X] were not made a condition of the approval of the project.

(4) A statement of Overriding Considerations [ ] was [X] was not adopted for this project.

Date Received for Filing November 10, 1992

ANTHONY POLI
General Manager

ASL Consulting Engineers

Initial Study for Environmental Documentation Regarding Drilling and Equipping a New Well

Rowland Water District
October 2, 1992

ROWLAND WATER DISTRICT

INITIAL STUDY
FOR ENVIRONMENTAL DOCUMENTATION
REGARDING
DRILLING AND EQUIPPING A NEW WELL

Revised
October 2, 1992

Prepared by:

ASL Consulting Engineers
55 East Huntington Drive
Suite 200
P.O. Box 780
Arcadia, California 91066

818/447-4494

144.507.2

ROWLAND WATER DISTRICT
INITIAL STUDY
FOR ENVIRONMENTAL DOCUMENTATION
REGARDING
DRILLING AND EQUIPPING A NEW WELL

PROJECT DESCRIPTION

A complete project description is provided in "Groundwater Recovery Program Engineering Report for the Rowland Water District Water Wells Study," dated July 1992. The July report describes the project, provides a location for the well, discusses the well in the context of the District water supply, and documents potential water quality issues relating to equipping the new well. A treatment program is developed and a schematic plan is provided.

The attached Figure 1 illustrates a possible concept plan for the proposed treatment facilities. The proposed well location is 16670 Chestnut Street. Allowing for appropriate set-back, the well and treatment facilities will occupy just about 1.25 acres of the 4.28 acre site. The concept, as shown, sets the well near the front of the site. It would be equally acceptable to place the well near the rear of the site if a co-tenant of the site desired the front portion of the property.

The project consists of drilling and equipping a new water supply well. The well will be approximately 12-inches in diameter drilled 300 feet deep. The reverse rotary method of drilling will be used. Treatment will be as required to provide water that meets all of the State of California Potable Water Standards.

Features of the well site development are shown on Figure 1.

ENVIRONMENTAL SETTING

The well site is located in a developed industrial park. To the west is a furniture manufacturer, to the east is a plastics distribution center, to the south is the railroad,

and to the north is Chestnut Street, Southern California Edison transmission right-of-way, and the San Jose Creek concrete channel. The site has been graded as part of the industrial park development and recently plowed to abate potential fire hazard.

Field observations showed no indication that the site contains unique or environmentally sensitive flora or fauna.

ENVIRONMENTAL EFFECTS

Potential environmental effects of project development are summarized in the Environmental Information Forms as listed:

- Environmental Information Form (To be completed by applicant).

- Appendix - Environmental Checklist Form (To be completed by lead agency). "Yes" and "Maybe" responses to the Environmental Checklist Form are discussed in the pages following the checklist.

MITIGATION OF POTENTIAL ENVIRONMENTAL IMPACTS

Since the project is anticipated to have minimal environmental impacts, specific mitigation measures have not been developed. During construction contractors will be required to use appropriate noise and dust control measures. Grading and energy use will be kept to a minimum and adherence to all health and safety codes will be required.

ENVIRONMENTAL INFORMATION FORM
(To Be Completed By Applicant)

Date Filed October 5, 1992

General Information

1. Name and address of developer or project sponsor: Rowland Water District
   3021 South Fullerton Road, Rowland Heights, CA 91748

2. Address of project: 16670 Chestnut, Industry, California
   Assessor's Block and Lot Number: _____

3. Name, address, and telephone number of person to be contacted concerning this project:
   Mr. Anthony Poli

4. Indicate number of the permit application for the project to which this form pertains:
   N.A.

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state and federal agencies:
   Zoning clearance, NSPDE permit from EPA, Regional Water Quality Control Board, County Sanitation Districts

6. Existing zoning district: City of Industry

7. Proposed use of site (Project for which this form is filed):
   Well drilling, equipping, and water treatment

Project Description

8. Site size. 4.28 acres (1.25 used for project)

9. Square footage. Building about 1,200

10. Number of floors of construction. 1

11. Amount of off-street parking provided. 2 spaces

12. Attach plans. See Figure 1.

13. Proposed scheduling. Well drill late 1992, Treatment Construction Spring 1993

14. Associated project. None

15. Anticipated incremental development.

16. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected.

17. If commercial, indicate the type, whether neighborhood, city or regionally oriented, square footage of sales area, and loading facilities.

18. If industrial, indicate type, estimated employment per shift, and loading facilities.

19. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project.

20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required.

Are the following items applicable to the project or its effects? Discuss below all items checked yes (attach additional sheets as necessary).

	Yes	No
21. Change in existing features of any bays, tidelands, beaches, lakes or hills, or substantial alteration of ground contours.	___	X
22. Change in scenic views or vistas from existing residential areas or public lands or roads.	___	X
23. Change in pattern, scale or character of general area of project.	___	X
24. Significant amounts of solid waste or litter.	___	X
25. Change in dust, ash, smoke, fumes or odors in vicinity.	___	X
26. Change in ocean, bay, lake, stream or ground water quality or quantity, or alteration of existing drainage patterns.	___	X
27. Substantial change in existing noise or vibration levels in the vicinity.	___	X
28. Site on filled land or on slope of 10 percent or more.	___	X
29. Use of disposal of potentially hazardous materials, such as toxic substances, flammables or explosives.	X	___
30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.).	___	X
31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.).	___	X
32. Relationship to a larger project or series of projects.	___	X

Environmental Setting

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or polaroid photos will be accepted.

34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.). Attach photographs of the vicinity. Snapshots or polaroid photos will be accepted.

Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Oct 5, 1992
Date

Anthony Pol
Signature

For Rowland Water District

(Note: This is only a suggested form. Public agencies are free to devise their own format for initial studies.)

APPENDIX I

ENVIRONMENTAL CHECKLIST FORM

(To Be Completed By Lead Agency)

I. Background

1. Name of Proponent Rowland Water District
2. Address and Phone Number of Proponent
   3021 South Fullerton Road
   Rowland Heights, CA 91748 310/697-1726
3. Date of Checklist Submitted 10/05/92
4. Agency Requiring Checklist Rowland Water District
5. Name of Proposal, if applicable Puente Basin Well

II. Environmental Impacts

(Explanations of all "yes" and "maybe" answers are required on attached sheets.)

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

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

	Yes	Maybe	No
4. Plant Life. Will the proposal result in:			
a. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?			X
b. Reduction of the numbers of any unique, rare or endangered species of plants?			X
c. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?			X
d. Reduction in acreage of any agricultural crop?			X
5. Animal Life. Will the proposal result in:			
a. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms or insects)?			X
b. Reduction of the numbers of any unique, rare or endangered species of animals?			X
c. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?			X
d. Deterioration to existing fish or wildlife habitat?			X
6. Noise. Will the proposal result in:			
a. Increases in existing noise levels?		X	
b. Exposure of people to severe noise levels?			X
7. Light and Glare. Will the proposal produce new light or glare?			X
8. Land Use. Will the proposal result in a substantial alteration of the present or planned land use of an area?			X
9. Natural Resources. Will the proposal result in:			
a. Increase in the rate of use of any natural resources?		X	

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	Yes	Maybe	No
b. Substantial depletion of any nonrenewable natural resource?			X
10. Risk of Upset. Will the proposal involve:			
a. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals or radiation) in the event of an accident or upset conditions?		X	
b. Possible interference with an emergency response plan or an emergency evacuation plan?			X
11. Population. Will the proposal alter the location, distribution, density, or growth rate of the human population of an area?			X
12. Housing. Will the proposal affect existing housing, or create a demand for additional housing?			
13. Transportation/Circulation. Will the proposal result in:			
a. Generation of substantial additional vehicular movement?			X
b. Effects on existing parking facilities, or demand for new parking?			X
c. Substantial impact upon existing transportation systems?			X
d. Alterations to present patterns of circulation or movement of people and/or goods?			X
e. Alterations to waterborne, rail or air traffic?			X
f. Increase in traffic hazards to motor vehicles, bicyclists or pedestrians?			X
14. Public Services. Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:			
a. Fire protection?		X	
b. Police protection?			X
c. Schools?			X

	Yes	Maybe	No
d. Parks or other recreational facilities?			X
e. Maintenance of public facilities, including roads?			X
f. Other governmental services?			X
15. Energy. Will the proposal result in:			
a. Use of substantial amounts of fuel or energy?			X
b. Substantial increase in demand upon existing sources of energy, or require the development of new sources of energy?			X
16. Utilities. Will the proposal result in a need for new systems, or substantial alterations to the following utilities:			
a. Power or natural gas?			X
b. Communications systems?			X
c. Water?			X
d. Sewer or septic tanks?			X
e. Storm water drainage?		X	
f. Solid waste and disposal?			X
17. Human Health. Will the proposal result in:			
a. Creation of any health hazard or potential health hazard (excluding mental health)?			X
b. Exposure of people to potential health hazards?			X
18. Aesthetics. Will the proposal result in the obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view?			X
19. Recreation. Will the proposal result in an impact upon the quality or quantity of existing recreational opportunities?			X
20. Cultural Resources.			
a. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archaeological site?			X

	Yes	Maybe	No
b. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?	____	____	X
c. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?	____	____	X
d. Will the proposal restrict existing religious or sacred uses within the potential impact area?	____	____	X
21. Mandatory Findings of Significance.			
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	____	____	X
b. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? (A short-term impact on the environment is one which occurs in a relatively brief, definitive period of time while long-term impacts will endure well into the future.)	____	____	X
c. Does the project have impacts which are individually limited, but cumulatively considerable? (A project may impact on two or more separate resources where the impact on each resource is relatively small, but where the effect of the total of those impacts on the environment is significant.)	____	____	X
d. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	____	____	X

III. Discussion of Environmental Evaluation

IV. Determination
(To be completed by the Lead Agency)

On the basis of this initial evaluation:

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

I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION WILL BE PREPARED. [ ]

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

Oct 8, 1992
Date

Anthony Lobi
Signature

For Rowland Water District

(Note: This is only a suggested form. Public agencies are free to devise their own format for initial studies.)

DISCUSSION OF ENVIRONMENTAL EVALUATION

Clarifying discussion relating to "yes" or "maybe" answers on the Environmental Checklist Form.

1. **Earth**

   b. Disruptions, displacement, compaction, or overcovering of the soil?

   The well drilling operations and the construction of the treatment facilities will require some localized soil compaction. Final site development will include asphalt covering of the soil to facilitate the access to equipment and facilities. These disruptions are considered minimal and routine.

3. **Water**

   b. Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff?

   Final site development will have structures and asphalt pavement. This covering will result in a slight increase in the surface runoff from the site. However, the site is zoned for industrial uses and any other development of the site would probably result in a more significant surface run-off than caused by the well development.

   e. Discharge into surface water or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen, or turbidity?

   Typically well operations employ a pump control valve to modulate pressure surges during pump start and stop cycles. These valves require that a small amount of groundwater be pumped to waste. This waste groundwater will be discharged to the local surface water

course. It will probably amount to less than 500 gallons per day under normal operations.

f. Alteration of the direction or rate of flow of groundwaters?

During operation the well will develop a draw down cone which will effect the local groundwater flow path. The draw down cone will have minimal effects on the overall groundwater basin.

g. Change in the quantity of groundwater, either through direct additions or withdrawals or through interception of an aquifer by cuts or excavations?

The project will result in the direct withdrawal of contaminated groundwater. It is water which the District has established rights.

6. <u>Noise</u>

a. Increased in existing noise levels?

The electrical and mechanical equipment will produce noise and vibration. Impacts will be mitigated by the use of vibration and noise control in the design.

9. <u>Natural Resources</u>

a. Increase in the rate of use of any natural resources?

The water extraction and treatment equipment will require electrical energy. Such energy consumption is not considered to be significant and may actually be less than currently required to deliver water to the service area through federal, private, and state sources.

10. **Risk of Upset**

a. **A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemical, or radiation) in the event of an accident or upset conditions?**

Federal law requires the disinfection of potable water supplies. The disinfectant used by over 99% of the public utilities in the country is chlorine. Chlorine Gas is a hazardous chemical and will be housed at the well location. The design will include measures to minimize the public hazard associated with exposure to the gas and employees will be trained in the proper handling of the material. Local hazardous response units will be notified of the gas, its hazard, and location.

14. **Public Services**

a. **Fire Protection?**

The well and treatment system will be capable of producing about 500 gallons per minute. This flow will augment local fire suppression supplies.

16. **Storm Water Drainage?**

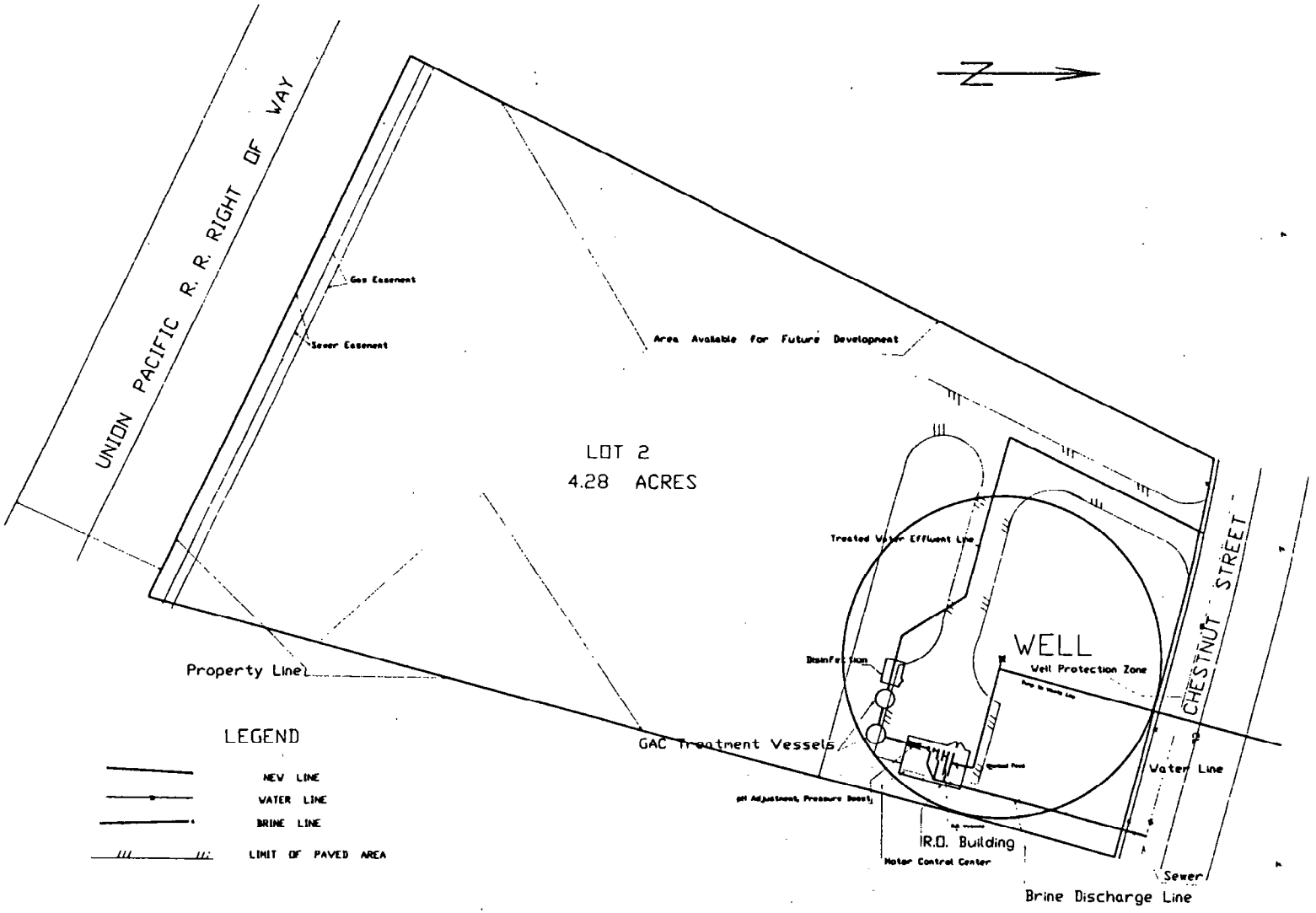
As discussed in 3.b above, storm water drainage and pump control valve discharge will be carried to the nearby storm drain.

ADDITIONAL DISCUSSION

The project positively impacts the local public water supply by utilizing a previously contaminated groundwater source. This groundwater extraction and treatment should assist in the groundwater basin clean-up. The improvement of local groundwater quality will decrease the potential health risk exposure.

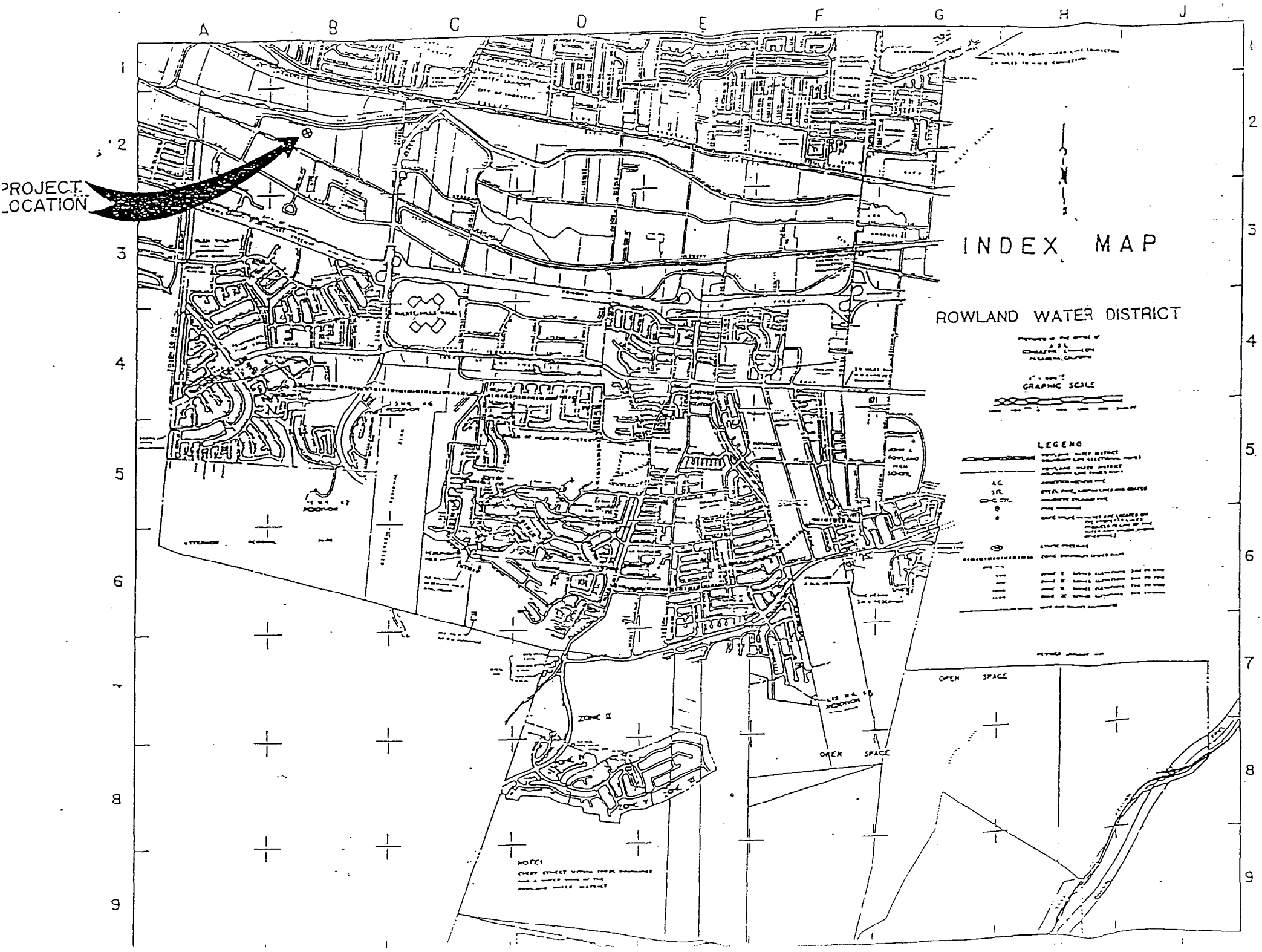
Completion of the well and treatment system will reduce the reliance of the Rowland Water District on a single source of supply water. This added source of water will bring flexibility to utility operations and allow the district to be more responsive during disaster operations.

This project, due to its capability to cumulatively clean up polluted water of the La Puente Basin has the potential to significantly improve the Puente Basin groundwater quality. Improvement of local groundwater quality will decrease health risks.



PRINTED
OCT 08 1992

FIGURE 1: SITE PLAN


PROJECT LOCATION
INDEX MAP
ROWLAND WATER DISTRICT
GRAPHIC SCALE
LEGEND
OPEN SPACE
OPEN SPACE
ZONE II
NOTES: