

# **BARRIO LOGAN/HARBOR 101 COMMUNITY PLAN**

November 30, 1978

The Honorable Mayor and City Council  
The City Planning Commission  
City of San Diego, California

I am pleased to present to you the accompanying Barrio Logan/Harbor 101 Community Plan. This plan represents a comprehensive guide for the maintenance, upgrading and future development of the Barrio Logan/Harbor 101 community through 1995.

Much of this plan's proposals and information have been based on a previous comprehensive consultant study; "The Barrio Logan/Harbor 101 Community Improvement Study" a consultant joint venture of Simpson Gerber and Bundy, and the Chicano Federation of San Diego, Inc. Upon Council acceptance of this study, the Planning Department was directed to prepare a Community Plan for the Barrio Logan/Harbor 101 Area.

The Community plan in the attached document, includes an environmental assessment of the community study area. The Plan also includes a Coastal policy evaluation and is designed to comply with the Local Coastal Program (L.C.P.) requirements of the 1976 California Coastal Act.

Planning issues discussed in this study focus mainly on those identified also in the coastal issue identification portion of this plan related to residential development needs, conflicts between industrial and residential uses, bay access, traffic and parking problems particularly related to the industrial complex located in this area, and the provision for adequate opportunities for new or expanded coastal dependent uses.

Eight alternatives were tested in the plans' environmental impact study. The alternatives range from Existing Conditions-no plan Alternative to full Industrial Redevelopment, to full Residential Redevelopment. In addition; specific proposals such as those included in the Barrio Logan/Harbor 101 Community Improvement Study by the consultants, as well as a proposal put forward by the Residents Association in March 1978, are also evaluated.

The resulting proposed community plan is primarily a simplification, and modification of the Community Improvement Consultant Study. The modifications were the results of considering a larger study area, evaluating the environmental impacts of all eight plans and evaluating mitigation proposals, evaluation relative to established Coastal policies under the 1976 Coastal Act, as well as social and economic considerations, with effective and readily available implementation measures.

James L. Goff  
Planning Director

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# **INTRODUCTION**



# Scope & Purpose of the Plan

The Barrio Logan/Harbor 101 Community Plan has been prepared to serve as a guide for future public and private development through 1995. Once this plan is adopted by the City Council, any amendments, additions or deletions, will require that the Planning Commission and City Council follow the same public hearing procedure as was required in the initial adoption of the plan. While this plan sets forth many proposals for implementation, it does not establish new regulations or legislation, nor does it rezone property: adoption of this plan may require subsequent public hearings be held to determine rezonings consistent with plan proposals. Consistency between zoning regulations and adopted plans is set forth within Section 65860 of the California Governmental Code. The amendment of other development controls must also be enacted separately through the regular legislative process.

During Plan preparation, the relationship with planning programs and development patterns in surrounding areas was considered. This analysis included coordination with the Unified Port District, the U.S. Navy, the National City General Plan, the Centre City Development Plan, and the Southeast San Diego Development Plan. The Plan is not an end in itself, nor is it a static document. The Plan provides guidelines for implementation, but the actual work must be based on a cooperative effort of private citizens, city officials, and other agencies. It is contemplated that a Barrio Logan/Harbor 101 Community Planning Association, and other private citizen organizations will provide the continuity needed for a sustained, effective implementation program.

This document contains not only the community plan, but the final Environmental Impact Report (EIR) and it is also designed to comply with the California Coastal Act of 1976 and the requirements of a Local Coastal Program (LCP).

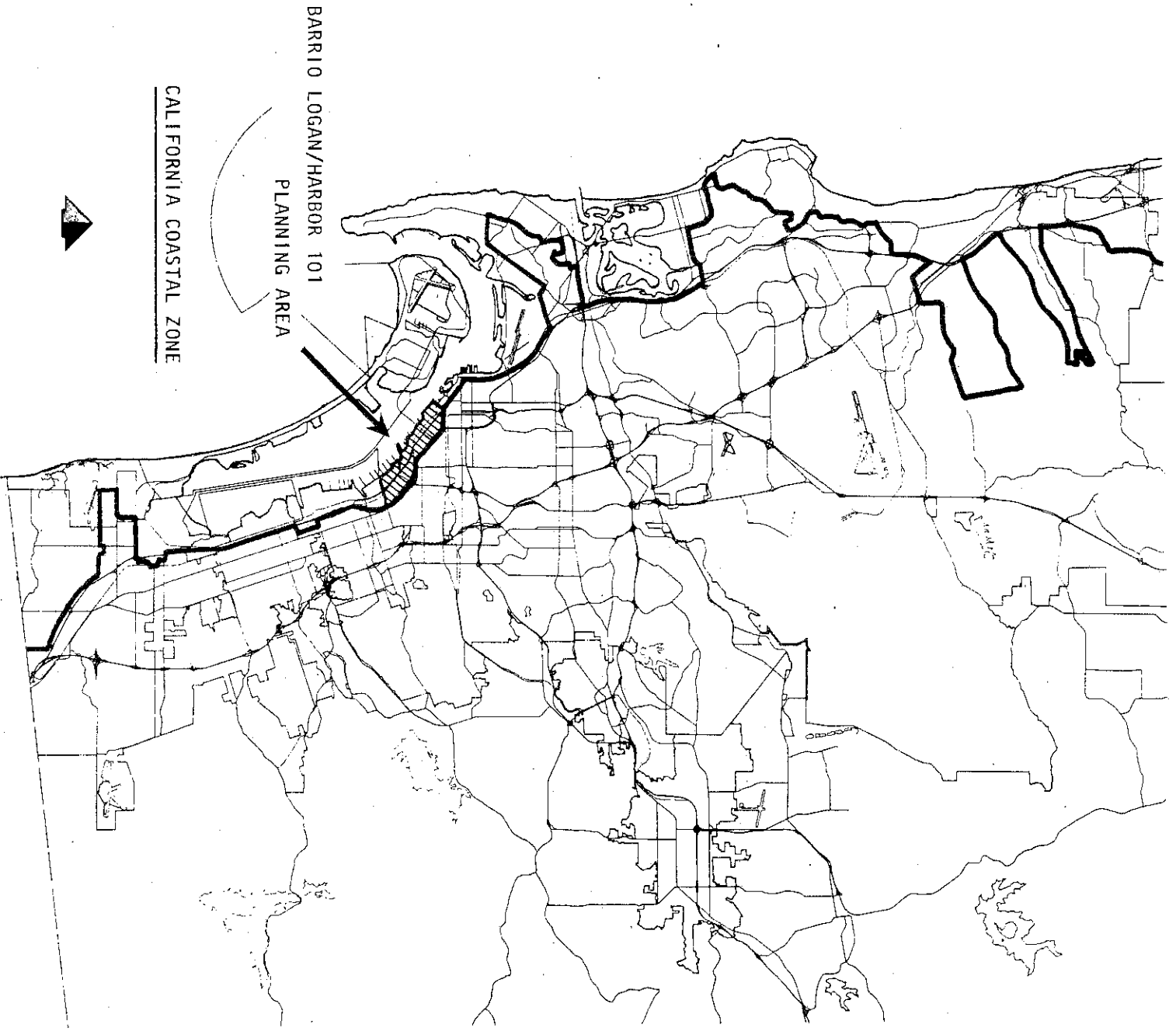
# Community Setting

The Barrio Logan community, as perceived by residents and business people, is actually much larger than the area analyzed in this study. For purposes of this project, the study area has been defined by the City as the area west of Interstate 5 and south of the Central Business District.

The study area is within the Coastal Zone and it covers approximately 1,000 acres (including the U.S. Naval 32nd Street Base). This compact area has a diversified social character, which includes different interest groups, such as, residents, large industry, light industry, commercial business, government bodies (i.e., Port District, City government, Coastal Commission, etc.) and the U.S. Navy. The most prominent characterization of Barrio Logan is its Mexican-American community together with the waterfront industrial complex employing 50,000 people. The nature of this relationship and its impact on the area as a whole, and on the Mexican-American community in particular, is a very complicated issue. The complexity and interrelationship of the issues, will be developed further throughout the report.

In this setting, the area has had a dynamic historical evolution, not unlike many urban centers in the United States. Through the familiar process of industrialization and migration of the upper and upper-middle classes out of the area, and the movement inward of the laborers to support the industries, this former bayside residential district has changed into a combined residential-industrial community. The largest Naval Base in the Continental United States serves as a back-drop, with heavy and light industry, and

mixed commerce encroaching on the remaining residential sector. It is within this historically diverse environment that the present community plan is developed.



CALIFORNIA COASTAL ZONE

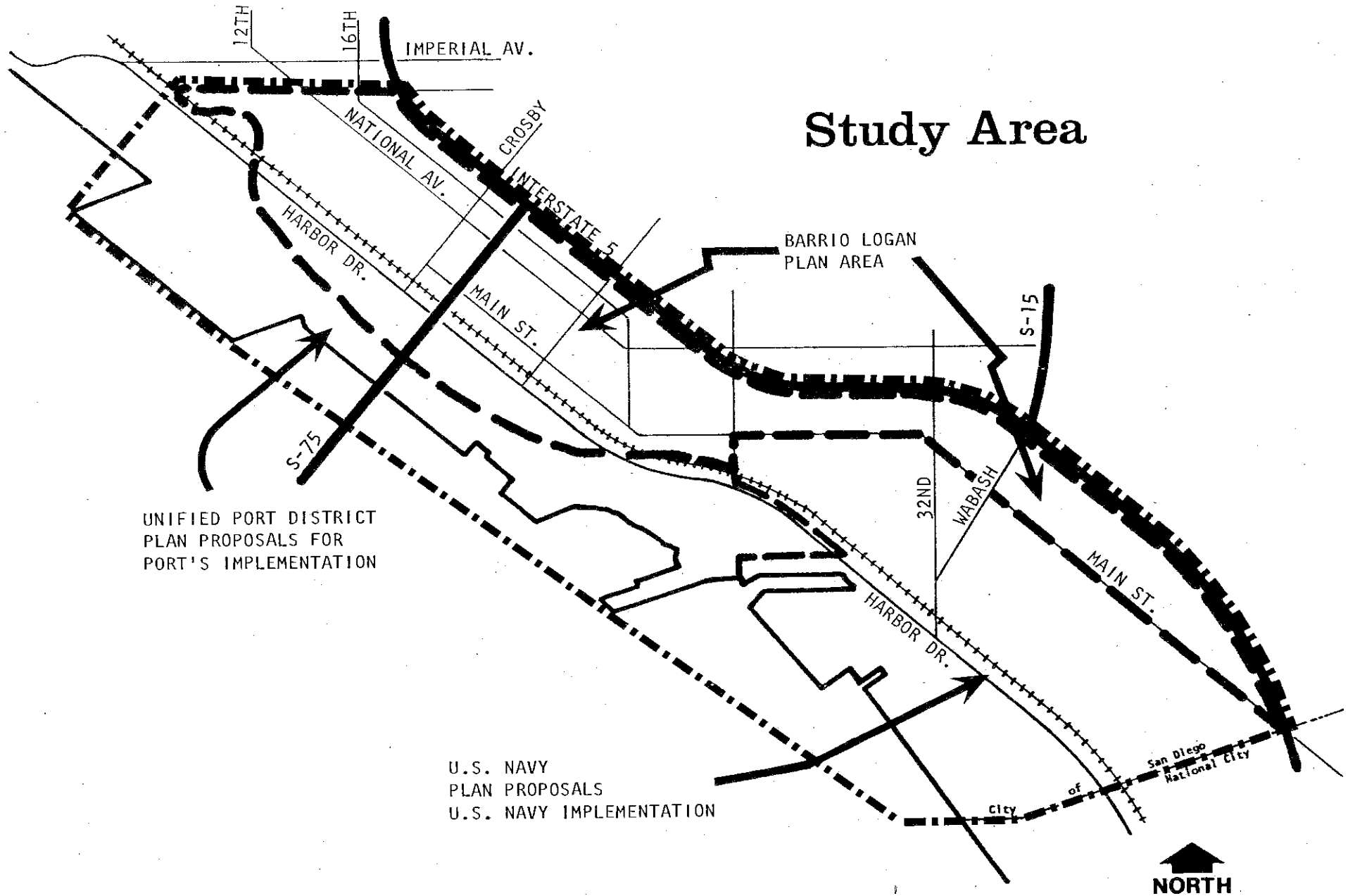
BARRIO LOGAN/HARBOR 101  
PLANNING AREA

## Community Boundaries

The study area is bounded by Commercial Street to the north, I-5 to the east, National City to the south, and San Diego Bay to the west.

These boundaries include two areas under the corporate limits of The City of San Diego, but not under the planning jurisdiction of the City; the Unified Port District which includes all the San Diego Bay waterfront area to the tidelands, and the U.S. Naval Station which includes the southern portion of the San Diego Bay waterfront area from 28th Street to the National City boundary west of Main Street. The areas are included because environmental conditions in these areas affect the community issues which must be discussed in the environmental report. Conversely; community plan land use proposals may also affect these adjacent land areas and jurisdictions just as land use decisions in the Port District and Naval Station affect the upland community.

# Study Area



## BARRIO LOGAN HARBOR 101

# Area Planning Issues

Environmental, physical, social and economic issues in the planning area stem primarily from the non-conforming residential and industrial uses that subsist side by side. The existing M-1 and M-2 Zones allow a land use mix, which together with the lack of qualitative development controls, and the location in an old urbanized area, result in outmoded subdivision patterns not conducive to modern industrial development. Land values are also too high to be able to allow the private redevelopment of the area with substantial industrial activities. In addition, due to age and lack of development controls, the industrial uses cause air and noise pollution as well as circulation and parking conflicts, further increasing the community environmental, physical and socio-economic problems.

Other difficulties are experienced by the past lack of coordination between key government agencies which often work at cross purposes, ignoring everything outside their territorial limits. Since the community is totally within the Coastal Zone, interagency coordination is particularly critical to the development of the Local Coastal Program (LCP), a requirement of the State of California Coastal Act of 1976. In conformance with that State law, an issue identification was made, and approved by the Coastal Commission; the specifics of that study are included in the Coastal Zone Element of this Plan. One of the critical findings of that study, is that issues in the Barrio Logan/Harbor 101 Community Planning Area, cannot be fully resolved without the full cooperation of and coordination with, the San Diego Unified Port District and the U.S. Navy.

The Coastal Issue identification prepared as part of the Local Coastal Program Process had identified the following key issues:

- o Retention and rehabilitation of housing opportunities for persons of low and moderate income.
- o The incompatible mix of heavy industrial uses and residential uses.
- o Provision of Bay access.
- o Establishment of visitor-serving recreational facilities.
- o Mitigation of traffic and parking problems resulting from major industrial employment centers.
- o Provision for adequate opportunities for new or expanded coastal dependent uses.

# Planning History

Several studies have been made since the 1950's of what is today known as the Barrio Logan/Harbor 101 community. All of these studies, considered the potentials of the area for waterfront industrial development. This industrial development, would have been consistent with the M-1 and M-2 manufacturing zones established in the community during the 1930's, and the improved regional accessibility brought about by the subsequent freeway construction in the 1960's. Freeway I-5, was sited generally following the dividing line between the residential and industrial zones, further containing the residential areas north and east of the freeway. It was assumed that following these actions, the western area would eventually be totally redeveloped privately with industrial enterprises. Due to complicated, and little understood, economic, physical, and social considerations, the residents in this western area, did not move, but remained anchored to the Barrio.

In 1968, as part of The City of San Diego Model Cities program, extensive surveys and studies were made in the Barrio Logan/Harbor 101 Area. For the first time, a "Model Cities Redevelopment Feasibility Study" report recognized the residents existence and proposed the partial redevelopment/rehabilitation of the area, for continued residential uses. As a result of this study, the area was later designated a redevelopment survey area under State Law.

In the early 1970's with the completion of the San Diego-Coronado Bay Bridge, the residents urged, and were ultimately successful in seeing the beginning of development of the first park in the community,

under the elevated bridge structure. Other public actions followed, to provide additional services for the community, such as the neighborhood clinic, youth center, senior citizen center, and other services, in addition to expanded park facilities.

In August, 1974, a Community Planning Association was recognized by the City Council, to work with the City, towards the formulation of a Community Plan. The Planning Association was made up of a wide cross-section of the community, including representatives of not only residents, but property owners, businesses, small industry and large industrial holdings. At that time, the mentioned redevelopment survey area was also established, including most of the Community Planning Area. It was as part of the planning and redevelopment study effort, that a consultant was hired to study the community, and provide a framework on which a Community Plan proposal could be based and redevelopment projects undertaken.

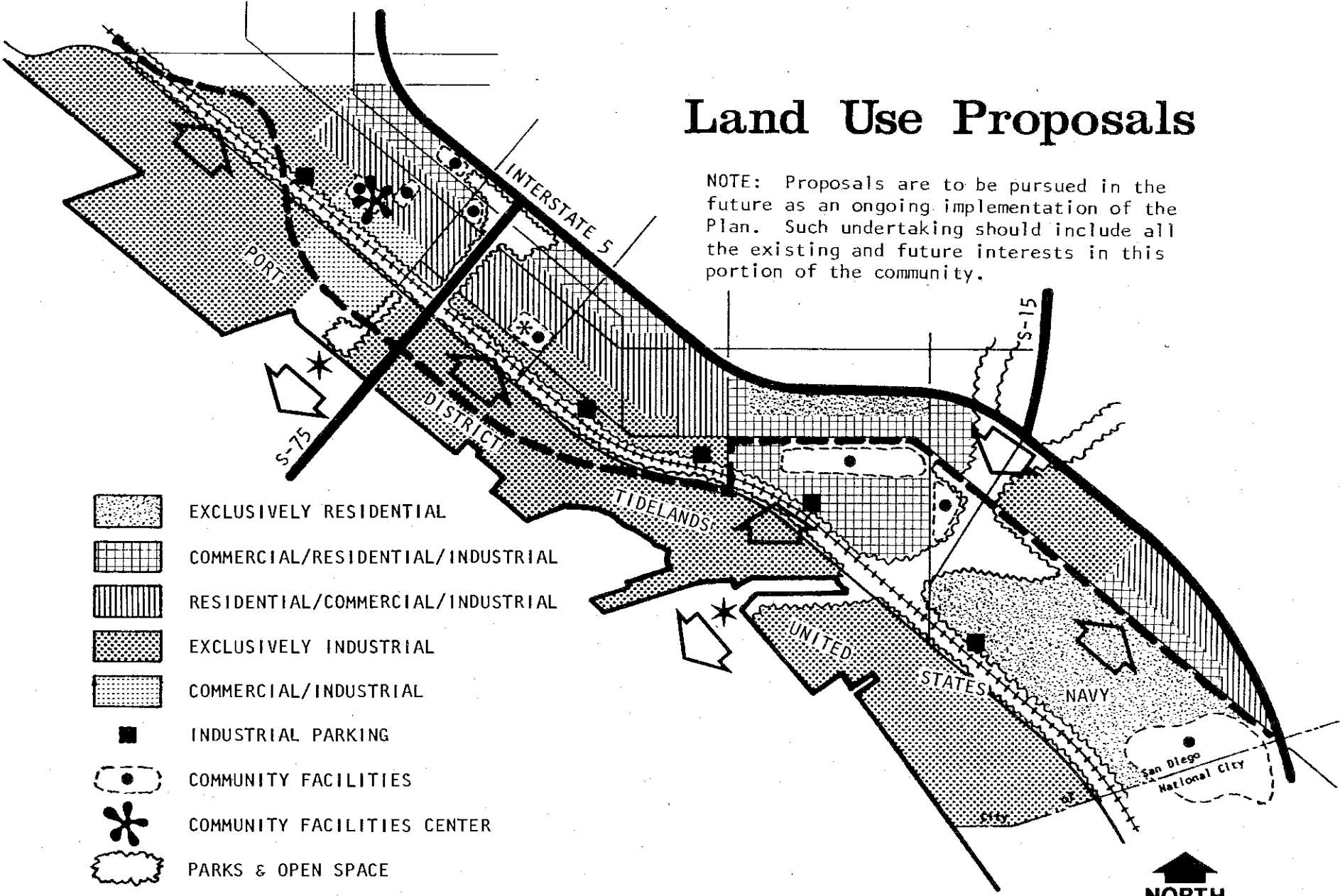
In August 1977, "The Barrio Logan Harbor 101 Community Improvement Study" was accepted by City Council acting as the Redevelopment Agency. The Council, further directed the Planning Department to prepare a Community Plan utilizing the Improvement Study as a basis for plan proposals, which brings the planning history process, to its present state, with the formulation of this Plan.


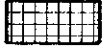


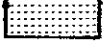









# **PLAN SUMMARY**

# Land Use Proposals

NOTE: Proposals are to be pursued in the future as an ongoing implementation of the Plan. Such undertaking should include all the existing and future interests in this portion of the community.



-  EXCLUSIVELY RESIDENTIAL
-  COMMERCIAL/RESIDENTIAL/INDUSTRIAL
-  RESIDENTIAL/COMMERCIAL/INDUSTRIAL
-  EXCLUSIVELY INDUSTRIAL
-  COMMERCIAL/INDUSTRIAL
-  INDUSTRIAL PARKING
-  COMMUNITY FACILITIES
-  COMMUNITY FACILITIES CENTER
-  PARKS & OPEN SPACE
-  BAY ACCESS
-  PORT & NAVY IMPACT ON CITY'S LAND USE PROPOSALS OR CITY'S IMPACT ON PORT & NAVY LAND USE PROPOSAL
-  S.D. UNIFIED PORT DISTRICT & NAVY LANDS BOUNDARY



## BARRIO LOGAN HARBOR 101

# Generalized Plan Description

The Plan generally proposes an expansion and protection of the residential uses with the necessary supportive commercial and public facilities. It also recommends the organization, enhancement, and/or relocation of industrial development into identifiable units eliminating or minimizing in so far as possible the present incompatible mixed uses. The development of an industrial park for oceanic industries closely related to the Port's 10th Avenue Terminal would reinforce the water oriented industry already located on tidelands.

The Plan also proposes major development actions related to the residents and their ethnic and cultural uniqueness to the community through the development of an educational cultural center and community commercial areas together with the general reorganization of transportation facilities into an ordered cohesive network of different transportation modes and a parking development strategy to resolve employee/resident parking conflicts. By this organization, zoning patterns can be established and redevelopment action can be undertaken in terms of rehabilitation and/or new project development.

The Plan proposes land use and implementation actions which will affect the two major government jurisdictions which are located between the City's jurisdictional community planning area and San Diego Bay. Acknowledging that planning proposals are a two way relationship, some community plan proposals are greatly affected by Port District and Naval Base land use plan proposals and conversely; some community plan proposals will affect the development proposals of these two other entities.

The Plan also includes an implementation section which establishes procedures, techniques, types of actions, optimum time of development, phasing, and responsibilities for these actions. The Plan further suggests, that the area be established as a redevelopment area for the purpose of coordinating and providing the necessary priority for urban development, which will be instrumental in not only coordinating the Plan's recommendations, but insuring more efficient implementation. A comprehensive redevelopment plan will eliminate the different projects being implemented by different agencies working at cross-purposes, and will provide the necessary priority to obtain state and federal funding for some of the recommended actions.

# Overriding Goals and Major Recommendations

The following goal statements are generalized concepts developed for the community study area. The statements are both the result of careful evaluation of community assets and problems, and ideals voiced by community groups over a period of four years of planning.

The major Plan recommendations, also included in this section, are partially taken from the "Community Improvement Study" consultant report, the requirements of the California Coastal Act of 1976, and specific proposals made by grass roots community organizations, together with a reflection of reasonable planning practice designed to realistically highlight community assets, and mitigate community problems in compliance with local and state policy and legal requirements.

## GOALS:

CONSERVE AND REINFORCE THE EXISTING LIVING AND WORKING COMMUNITY THROUGH RESIDENTIAL/INDUSTRIAL COEXISTENCE AND REHABILITATION.

Rather than totally renew the community, the approach should be to infill the existing community, and strengthen its housing, commercial and industrial assets, as well as recreational transportation and open space opportunities. Residential/industrial coexistence is the major goal of the Plan.

DEVELOP AND MAINTAIN A HIGH QUALITY ENVIRONMENT, AND TAKE ALL ACTION NECESSARY TO PROTECT, REHABILITATE AND ENHANCE THE ENVIRONMENTAL QUALITY OF THE COMMUNITY:

Every citizen, business and industry, and public agency, has a responsibility to contribute to the preservation and enhancement of the environment. Land use activities should be regulated so that major consideration is given to preventing and rehabilitating environmental damage.

AVOID NEW DEVELOPMENTS WHICH WILL REQUIRE THE REMOVAL OF MAJOR BUILDING INVESTMENTS:

New development should first locate in undeveloped sites where minor physical improvements exist, and also compliment existing rehabilitated development.

PROVIDE OPEN SPACE LINKS TO THE WATERFRONT FOR PUBLIC ACCESS WHENEVER POSSIBLE:

The waterfront industry represents a major economic and social activity to the City and the Barrio Logan/Harbor 101 community. It is in this area that a true picture of the physical and economic qualities of an urban industrial waterfront area can be experienced. Visitor participation of that activity, together with its close relationship to the unique Chicano ethnic community, is a desirable open space experience.

PROVIDE ADDITIONAL JOB OPPORTUNITIES AND PURCHASING POWER WITHIN THE COMMUNITY:

More efficient use of prime value land should be made. An increase in industrial development, and the expansion of high technology industry in this community, should not only increase job opportunities but job upward mobility as well. This, coupled with rehabilitation and expansion of residential opportunities, would increase the purchasing power of the community and further spur the local sector of the business community.

STRENGTHEN THE COMMUNITY SOCIAL AND CULTURAL BASE:

The Community's ethnic character should be recognized and its further development encouraged, providing an outlet for a continuing and growing cultural expression.

DEVELOP A CIRCULATION/TRANSPORTATION NETWORK IN THE COMMUNITY, ORGANIZING AUTOMOBILE CIRCULATION PATTERNS, PARKING, AND ENCOURAGING THE DEVELOPMENT OF OTHER MODES OF TRANSPORTATION:

Develop a network that would minimize and reduce existing circulation conflicts, provide additional accessibility for transit dependent populations, and organize the community's parking needs to more efficiently use land, and to minimize transportation and land use conflicts.

ESTABLISH A VEHICLE BY WHICH ALL GOVERNMENT AGENCY ACTIONS CAN BE COORDINATED, AND CONFLICTS AVOIDED:

Develop a means to insure that information on government agency development proposals are transmitted so that coordinated actions with other entities and private enterprise can be affected, thereby minimizing conflicts and providing a more efficient use of public and private resources.

MAJOR RECOMMENDATIONS:

RESIDENTIAL

- o REHABILITATE EXISTING RESIDENTIAL DEVELOPMENT.
- o ENCOURAGE RESIDENTIAL INFILL AND NEW DEVELOPMENT THROUGHOUT THE RESIDENTIALLY DESIGNATED AREAS.

INDUSTRIAL

- o REHABILITATE INDUSTRIAL DEVELOPMENT THROUGHOUT TO ACCEPTABLE MODERN DEVELOPMENT STANDARDS.
- o DEVELOP A NEW INDUSTRIAL PARK ORIENTED TO OCEANIC INDUSTRIES IN CONJUNCTION WITH THE PORT DISTRICT.
- o ESTABLISH A REHABILITATED INDUSTRIAL PARK SOUTH AND EAST OF THE BAY BRIDGE IN CONJUNCTION WITH THE PORT DISTRICT.

#### COMMERCIAL

- o REHABILITATE COMMERCIAL DEVELOPMENT ALONG THE LOGAN AVENUE AND MAIN STREET AREAS PRIMARILY.

#### COMMUNITY FACILITIES

- o PROVIDE AN EDUCATIONAL-CULTURAL CENTER COMPLEX TO INCLUDE A RECONSTRUCTED ELEMENTARY SCHOOL, A COMMUNITY COLLEGES FACILITY, AND OTHER CULTURAL AND RECREATIONAL COMMUNITY FACILITIES.

#### OPEN SPACE

- o ESTABLISH COMMUNITY ACCESS TO SAN DIEGO BAY IN COORDINATION WITH THE PORT DISTRICT IN AN AREA JUST NORTH AND WEST OF THE BAY BRIDGE.
- o DEVELOP A LINEAR PARK AT CHOLLAS CREEK IN CONJUNCTION WITH THE U.S. NAVY AND ARMY CORPS OF ENGINEERS.

#### TRANSPORTATION

- o MAJOR STREETS SHOULD BE ESTABLISHED ON ROUTES THAT LINK TO THE FREEWAY SYSTEM, ROUTES THAT LINK TO SURROUNDING COMMUNITIES, AND FEW INTERMEDIATE LINKS BETWEEN THESE.
- o EMPLOYEE PARKING AREAS SHOULD BE ESTABLISHED, AN IMPORTANT CANDIDATE IS A LINEAR PARKING FACILITY ALONG HARBOR DRIVE TO SERVE THE NEEDS OF THE WATERFRONT INDUSTRY.

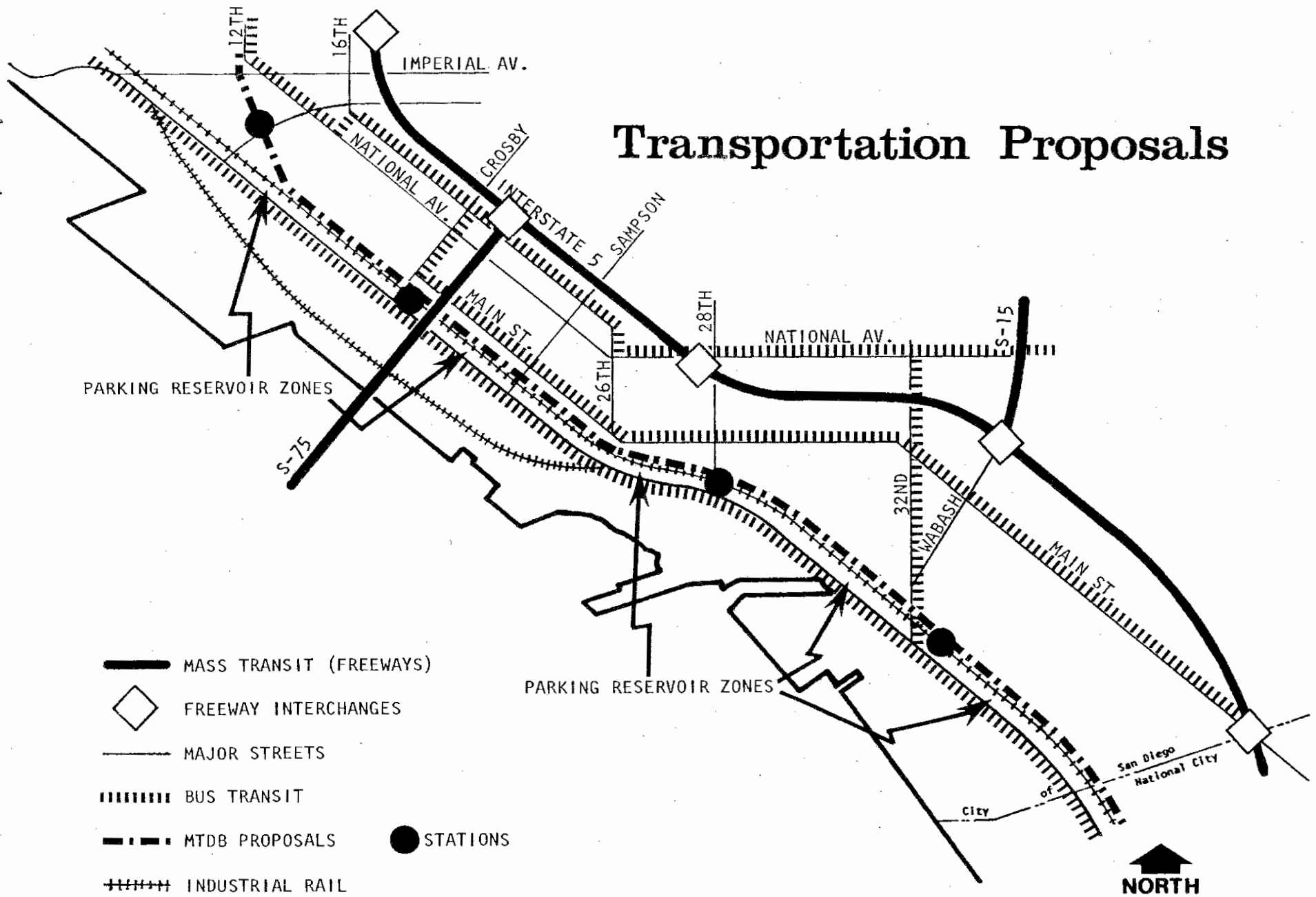
- o TRUCK ROUTES SHOULD BE ESTABLISHED TO DISRUPT THE COMMUNITY AS LITTLE AS POSSIBLE, TAKING ADVANTAGE OF STREETS THAT CAN BE DESIGNED TO ACCOMMODATE SUCH FACILITY.

- o THE "MTDB" TRANSIT PROPOSAL IS HIGHLY COMPATIBLE WITH THE LAND USE AND OTHER TRANSPORTATION ELEMENTS OF THIS PLAN. BIKEWAYS SHOULD BE DEVELOPED IN CONJUNCTION WITH OPEN SPACE DEVELOPMENT AND LINKING TO THE SURROUNDING COMMUNITIES.

#### IMPLEMENTATION

- o REZONINGS SHOULD BE UNDERTAKEN TO PROTECT AND ENCOURAGE THE DEVELOPMENT OF THE PLAN'S LAND USE PROPOSALS.
- o ZONES SHOULD BE DEVELOPED TO ALLOW FOR RESIDENTIAL/COMMERCIAL/INDUSTRIAL USES AND UPGRADED DEVELOPMENT STANDARDS, COMPATIBLE WITH THE COMMUNITY'S URBAN DESIGN ASSETS AND LAND USE PROPOSALS.
- o INTERAGENCY COORDINATION IS A MUST TO SUCCESSFULLY IMPLEMENT THIS PLAN.
- o THE COMMUNITY SHOULD BE ESTABLISHED AS A REDEVELOPMENT AREA IN ORDER TO PROVIDE COORDINATION, AND FUNDING PRIORITY.

# Transportation Proposals



## BARRIO LOGAN HARBOR 101



# **ALTERNATIVE PLANS**



# Alternative Plan Concepts

Over a period of years, several planning concepts have been proposed by different groups for the Barrio Logan/Harbor 101 area. These planning concepts are described in the following pages, as potential development alternatives for this study area. Eight (8) Alternatives were evaluated.

The eight alternatives considered range in scope from maintaining the community in its present condition (existing M-1 and M-2 Zone), to complete industrial redevelopment (proposed in 1965), to residential redevelopment, and several options on an industrial-residential concept. Other alternatives reflect Navy development proposals and their impact on the surrounding community's land use.

Alternatives 1, 2, 6 and 8 were developed by the City Planning Department; Alternatives 3, 4 and 5 by private consultants, and the community groups, and Alternative 7 is based on proposals made by the U.S. Navy for the Naval Base development.

This section of the Plan, also includes a brief numerical matrix evaluation, designed to provide an overview of the alternative characteristics and qualities, measured against specific evaluation standards. A detailed Alternative Evaluation Analysis and description, is included in Appendix III of this Plan.

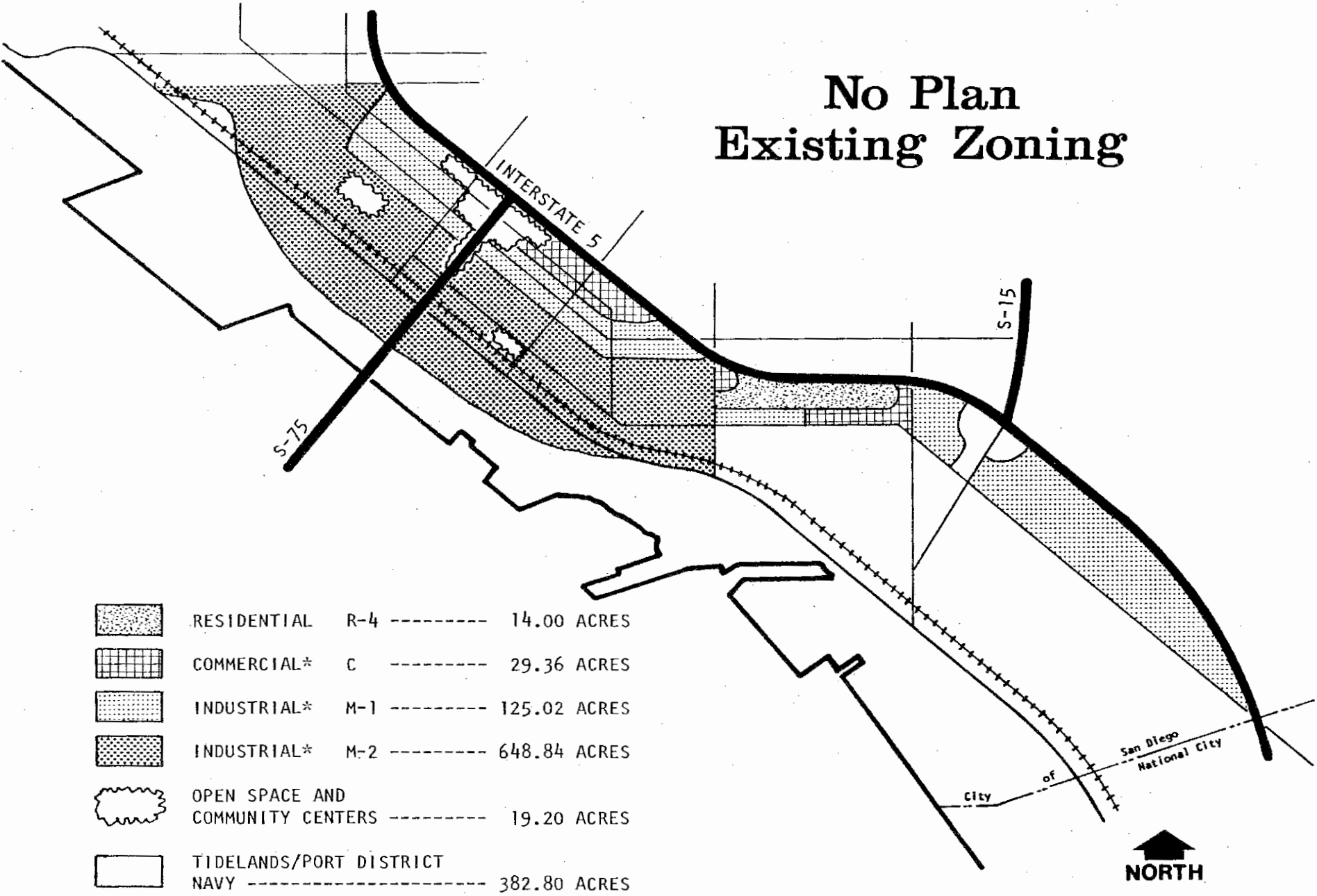
- Alternative 1. No Plan, General Plan, Existing Zoning
- Alternative 2. Industrial Development Plan
- Alternative 3. Residential Development Plan
- Alternative 4. Community Improvement Study Plan
- Alternative 5. Barrio Logan Residents Association Plan
- Alternative 6. Residential/Industrial Plan
- Alternative 7. Navy Consolidation Plan
- Alternative 8. Navy Hospital Plan

Alternative 1. NO PLAN (existing zoning is M-1 and M-2)

This alternative would maintain existing development conditions and zoning, leaving most of the area Zoned M-1, M-2, and some pockets of C and R-4 Zones.

A major element of this alternative, would be to enforce the development standards of the M-1 and M-2 Zones as of their latest amendment date, 1973, and required compliance date of 1974. Some industrial uses in the Barrio are in violation of the fencing and storage requirements of the zone.

# No Plan Existing Zoning



\*All these zones  
at present are mixed use  
zones (Residential/Commercial/Industrial)

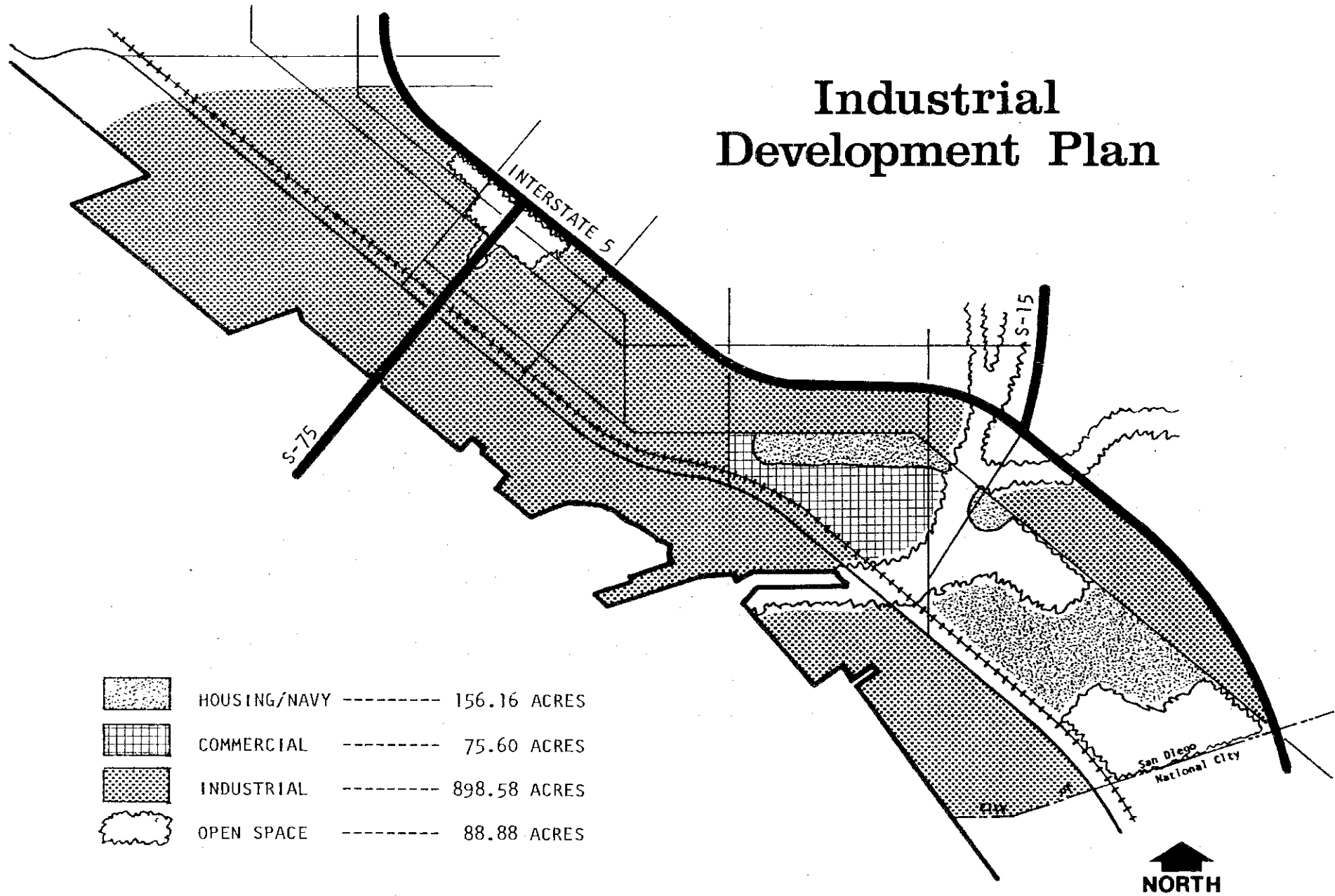
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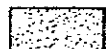

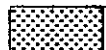

Alternative 2. INDUSTRIAL DEVELOPMENT PLAN  
(Proposals of this plan are based  
on the report titled "Report on  
Existing Conditions and  
Recommendations" dated March 30,  
1965.)

This alternative envisions the rezoning of the  
total Barrio Logan area and Port District Sector to  
a modified M-IP Zone, creating a complete  
industrial park with several development sections.

The development of a water oriented industrial park  
is needed in the San Diego area, and San Diego Bay  
is one of the few places where this is feasible.  
With proper development standards, following the  
M-IP Zone, and limiting uses to water oriented  
industry, the development would comply with State  
Coastal Act requirements.

# Industrial Development Plan



	HOUSING/NAVY	-----	156.16 ACRES
	COMMERCIAL	-----	75.60 ACRES
	INDUSTRIAL	-----	898.58 ACRES
	OPEN SPACE	-----	88.88 ACRES

## BARRIO LOGAN HARBOR 101

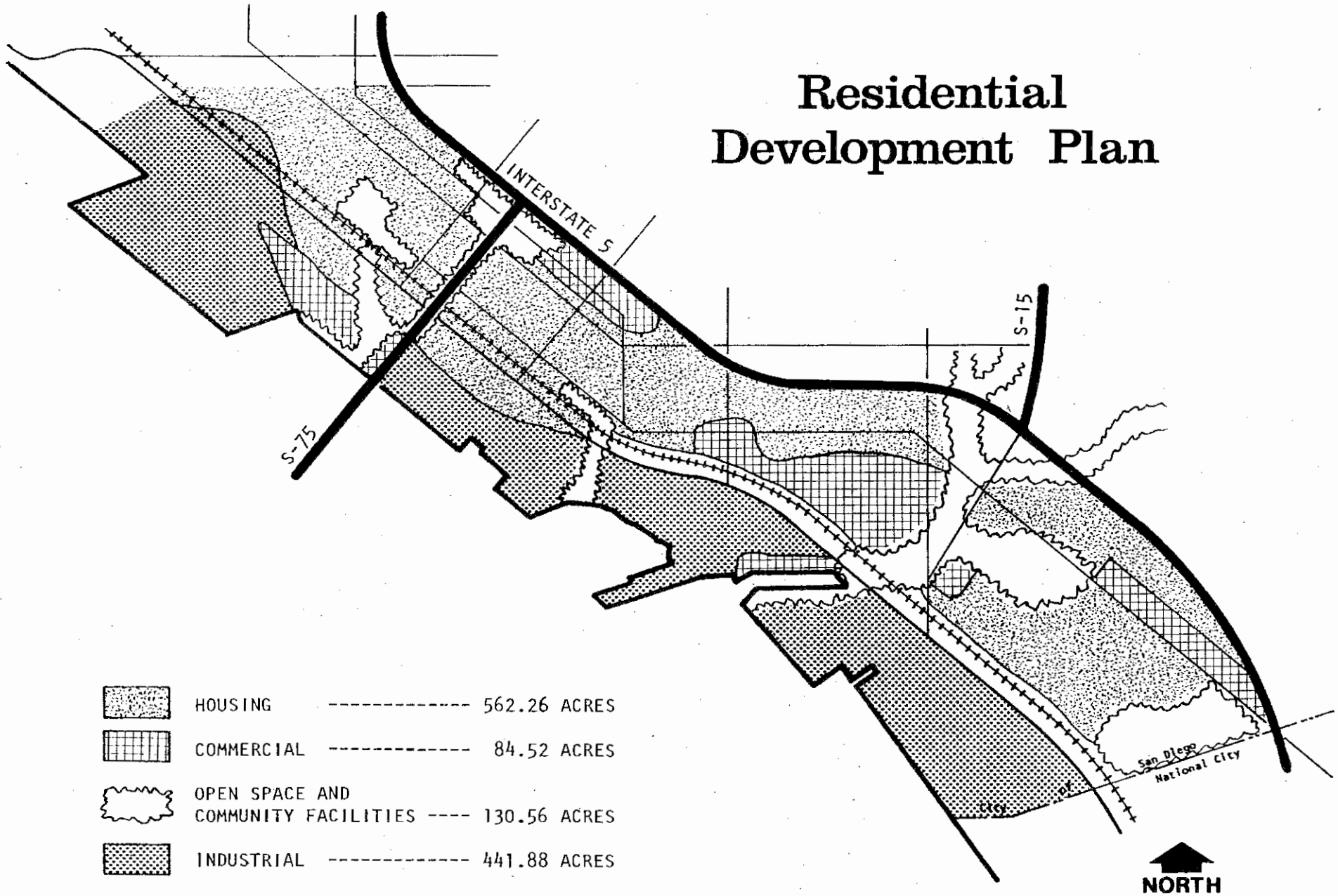
Alternative 3. RESIDENTIAL DEVELOPMENT PLAN  
(Goals and Recommendations made in  
writing by the Barrio Residents on  
June 6, 1978).

Throughout past studies, an important proposal has been one of making the Barrio once again a residential community.

Under present state legislation, it could be possible to develop a residential community up to the tideland area. State law excludes residential development on tidelands. The Plan envisions residential development up to the tidelands with overall average densities of 14 dwellings per acre. The tideland area could be developed with some commercial recreation facilities in presently vacant properties, and rehabilitated industrial activities where the present industry exists.

A resident subcommittee of the Barrio Logan/Harbor 101 Planning Association developed the goals and objectives for this Alternative. The committee's goal proposals as presented to the Planning Association, are included in the "Alternative Plan Evaluation" Appendix III of this Plan.

# Residential Development Plan



## BARRIO LOGAN HARBOR 101

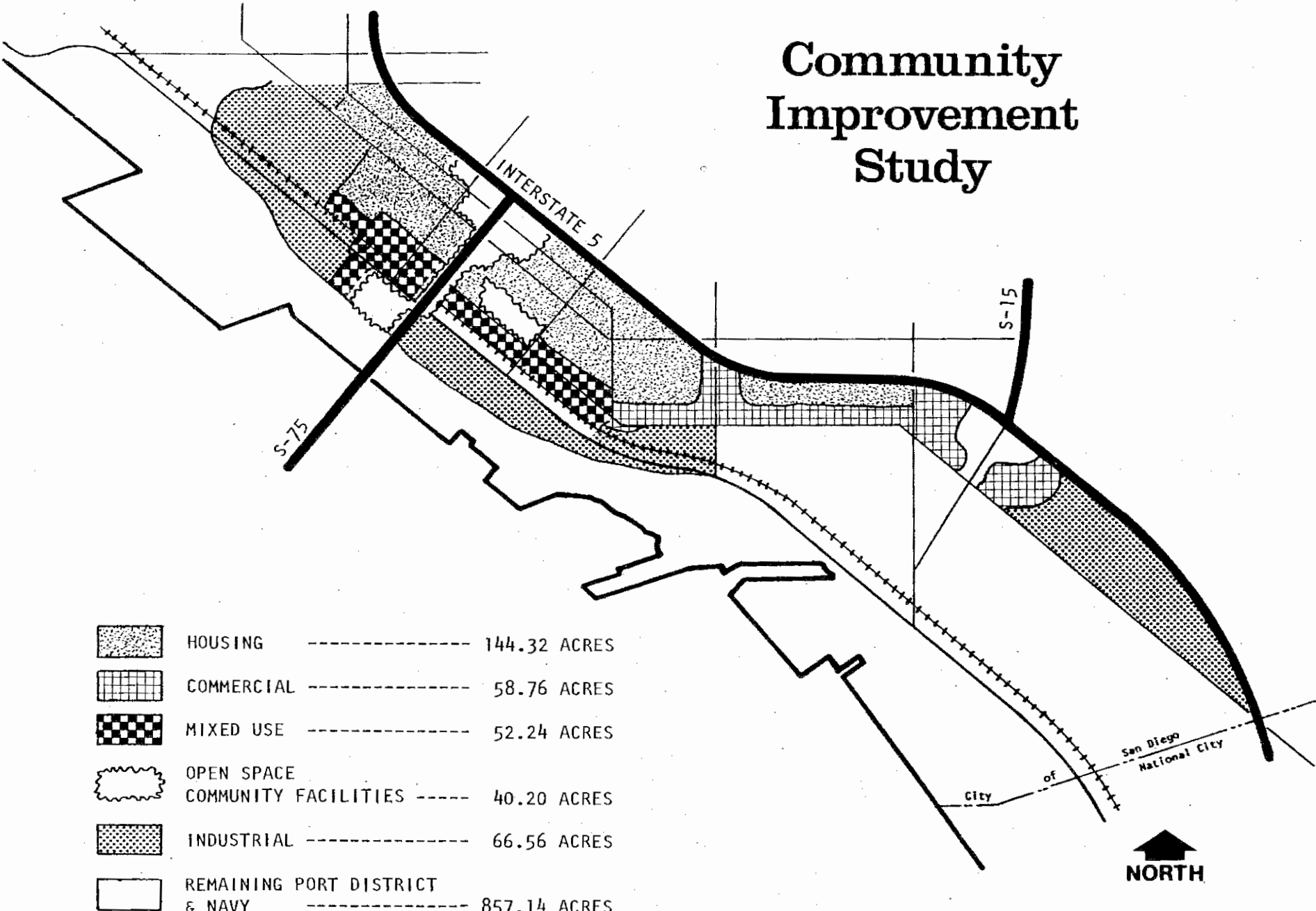
Alternative 4. COMMUNITY IMPROVEMENT STUDY PLAN  
(For specific information review  
"Community Improvement Study"  
report of August 1977.)




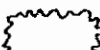

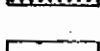
Prepared by consultants through a redevelopment grant, the study proposes an extension of the Barrio's housing area with the development of several housing projects of 40 to 80 dwellings per acre density, coupled with a strong housing and commercial rehabilitation program. A new commercial area close to the waterfront outside the tideland area is also proposed.

The study proposes two major new industrial areas, one to replace an existing industrial/commercial/residential mix area, the other to reuse the railroad yards. Parking reservoirs for employees, together with the narrowing and beautification of Harbor Drive, are also proposed, as well as truck routes.

Plan District legislation is proposed as a land development implementation tool, to allow mixed uses, and establish buffer zones between residential and industrial uses.

# Community Improvement Study



	HOUSING	-----	144.32 ACRES
	COMMERCIAL	-----	58.76 ACRES
	MIXED USE	-----	52.24 ACRES
	OPEN SPACE COMMUNITY FACILITIES	-----	40.20 ACRES
	INDUSTRIAL	-----	66.56 ACRES
	REMAINING PORT DISTRICT & NAVY	-----	857.14 ACRES

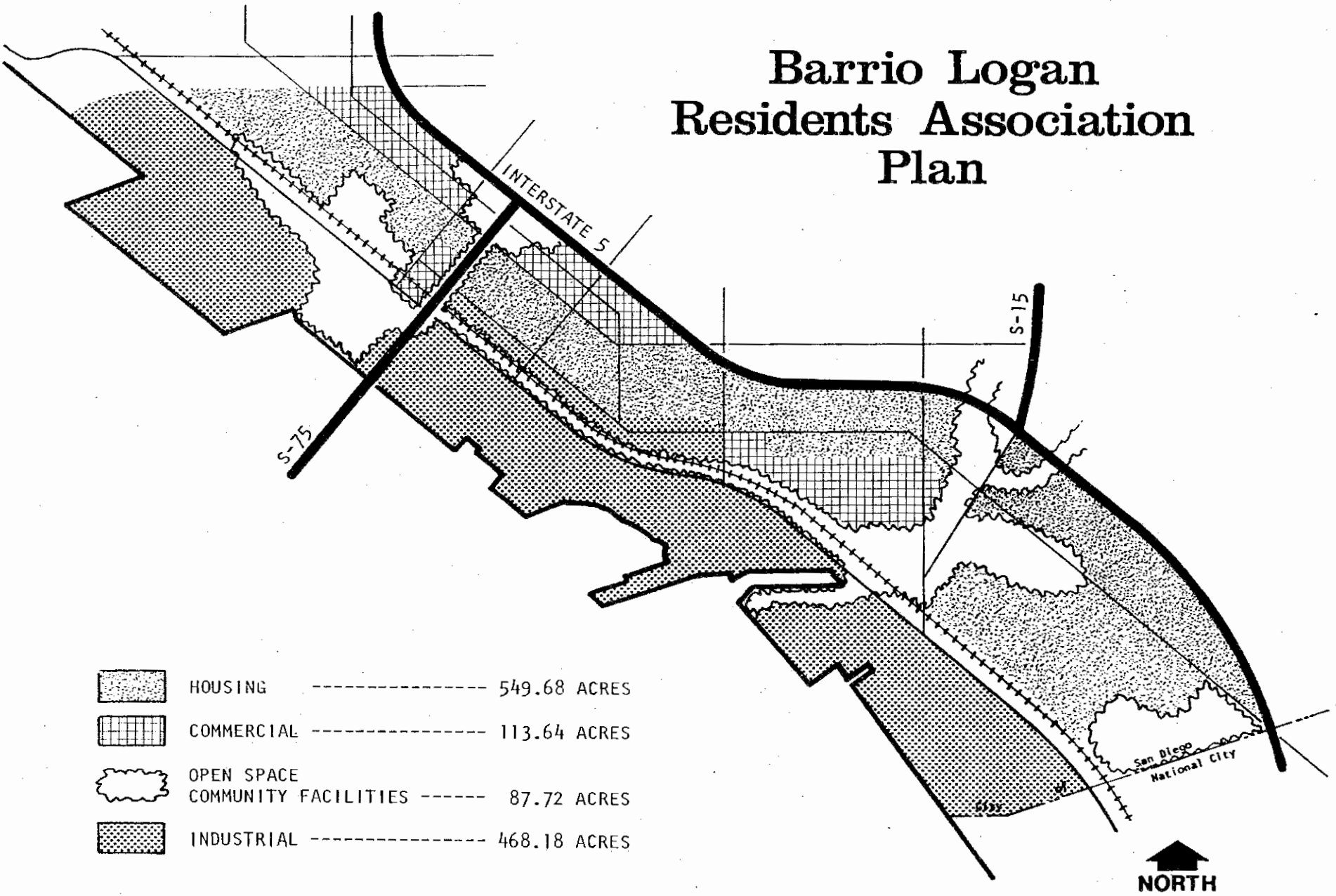
## BARRIO LOGAN HARBOR 101


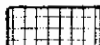
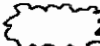

Alternate 5. BARRIO LOGAN RESIDENTS ASSOCIATION  
PLAN

The proposal includes expanded housing projects with overall housing densities of 15 to 20 dwelling units per acre. The expansion of the existing school site is also proposed, the new site would also include a cultural center and additional higher education facilities with a trade school. The proposal would limit further industrial development, and would maintain it primarily along the tidelands.

A major feature of this Plan is a park area on the San Diego Bay waterfront, with sports fields, located just south of the 10th Avenue Terminal in the Port District, and linked to the expanded school site. The proposal also includes the closing of Harbor Drive at Crosby Street with the development of a parking structure at that point. The specific description of this Plan, is included in the "Alternative Plan Evaluation" on Appendix III of this Plan.

# Barrio Logan Residents Association Plan



	HOUSING	-----	549.68 ACRES
	COMMERCIAL	-----	113.64 ACRES
	OPEN SPACE COMMUNITY FACILITIES	-----	87.72 ACRES
	INDUSTRIAL	-----	468.18 ACRES

## BARRIO LOGAN HARBOR 101

Alternative 6. RESIDENTIAL/INDUSTRIAL PLAN.  
(Proposals for this Plan are based on the findings of the report "Action Scenarios - A Redevelopment Strategy for the Model Neighborhood of San Diego Community Redevelopment Feasibility Study", dated April 1972. This Alternative also is a modification of the "Community Improvement Study" Alternative 4 of this Plan.)

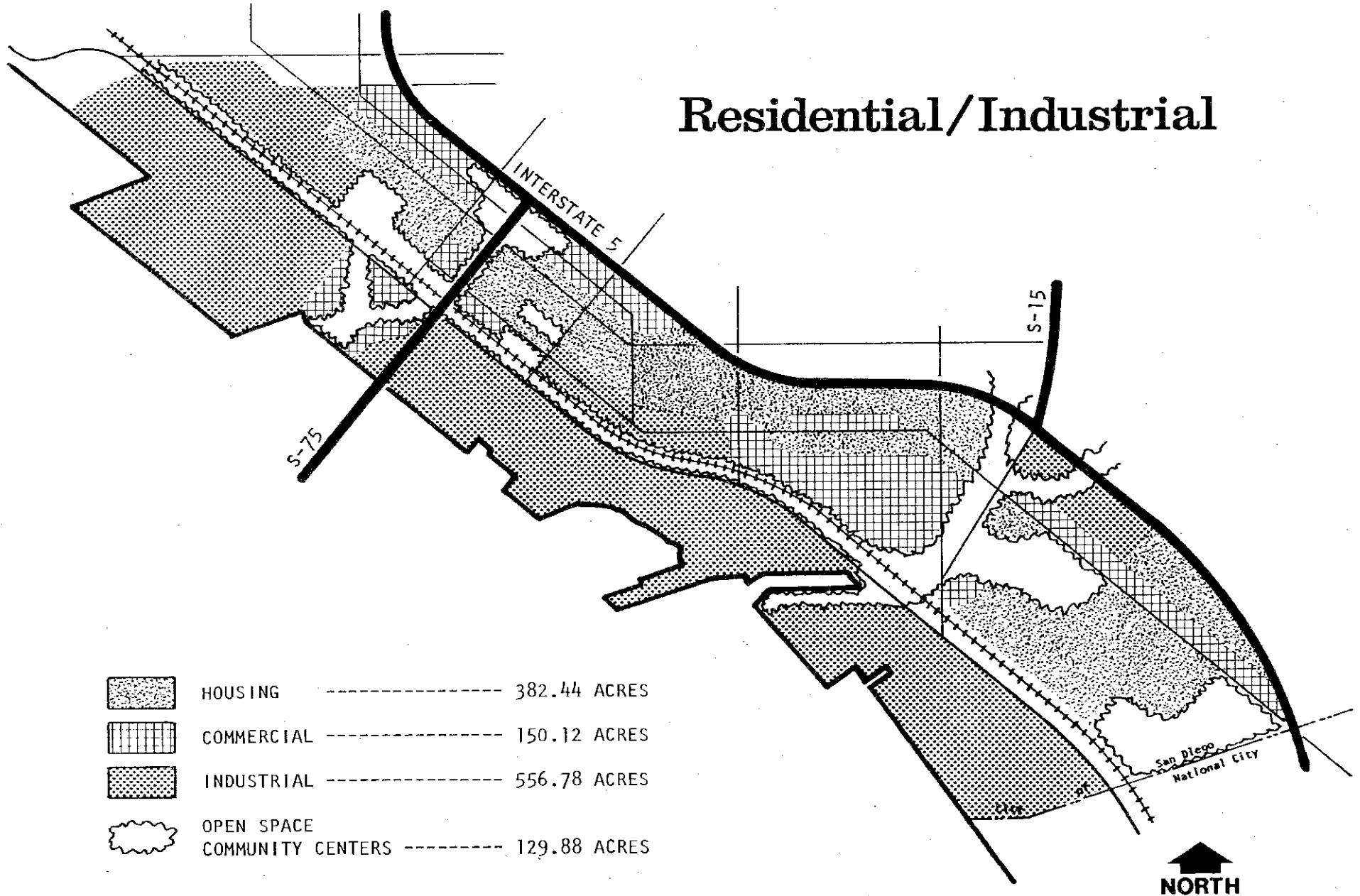
This alternative primarily modifies Alternative 4, incorporating the comments made during public hearings, and community meetings, as well as incorporating subsequent work by community groups, staff, and including the review of the Plan in relation to pertinent Coastal policies.

This Alternative recommends the rehabilitation of existing housing, commercial and industrial development, together with the development of new

housing areas, replacing areas which are presently vacant or underutilized. A new major Industrial Park would also be developed where the railroad yards and vacant Port lands are located adjacent to the 10th Avenue terminal; major industrial rehabilitation is also recommended south and east of the San Diego-Coronado Bay Bridge. Industrial development rehabilitation, and land use organization proposals, would also include the development of employee parking structures along Harbor Drive. In addition, a new Commercial/Industrial Bayfront center incorporating public access and open space is also proposed just north and west of the Bay Bridge. Other proposals include the expansion of the existing school site, and development of a new elementary school incorporating cultural and community activities, higher education and a vocational training center.

A major element of this Alternative is the integration of the Naval Center's residential and commercial facilities as an important element of the Barrio Logan/Harbor 101 community.

# Residential/Industrial



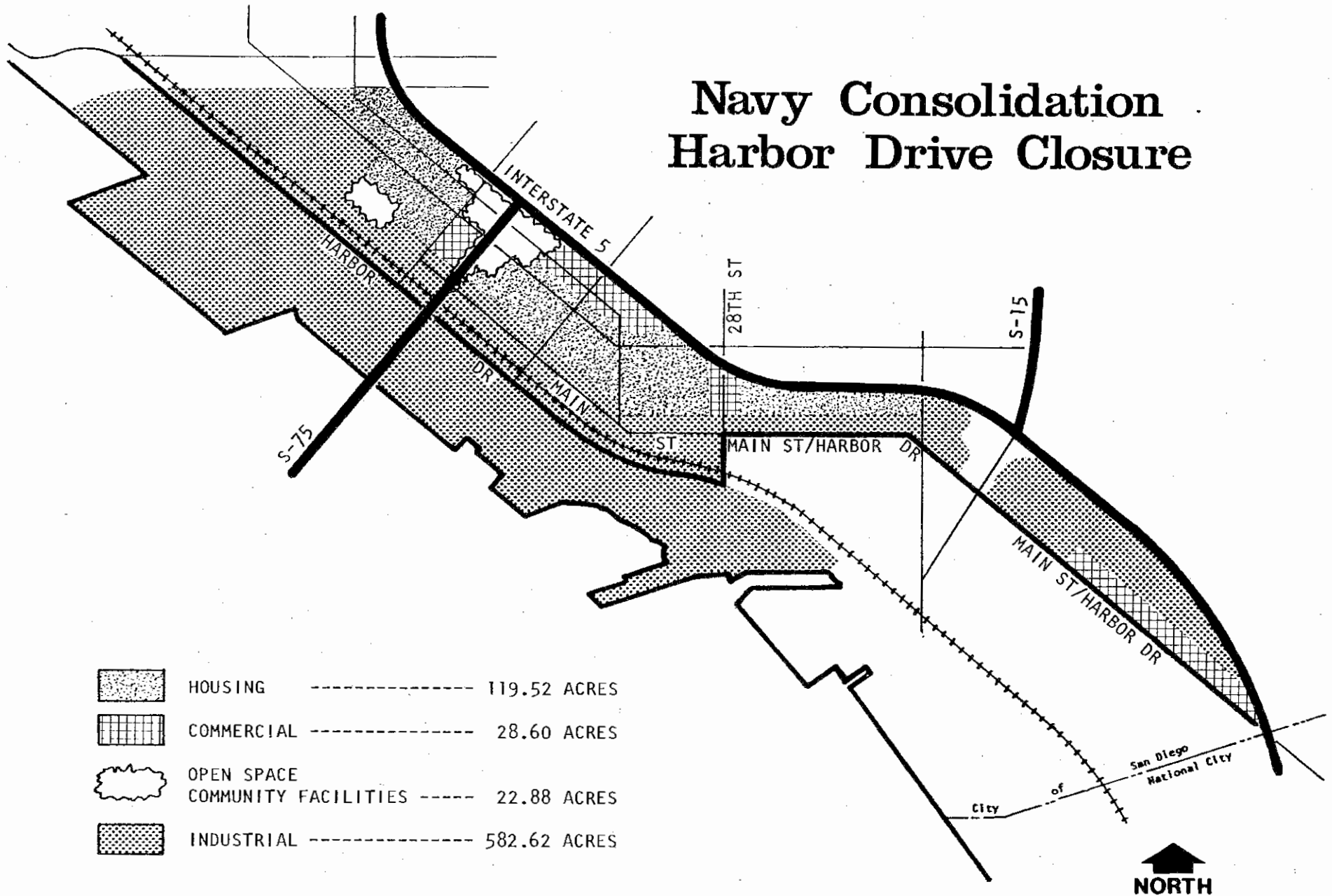
## BARRIO LOGAN HARBOR 101

Alternative 7. NAVY CONSOLIDATION PLAN  
(Proposals for this Plan are based  
on document titled "Naval Station  
San Diego Master Plan" dated May  
1977.

The Navy is preparing a development plan for their facility at 32nd Street. One of the options being considered is that of closing Harbor Drive south of 28th Street to through traffic, and consolidating all housing, commercial, services and industrial naval facilities presently split by Harbor Drive.

This Plan would have a positive effect for the Navy by enhancing "security", and would isolate the Navy from the Barrio community.

# Navy Consolidation Harbor Drive Closure

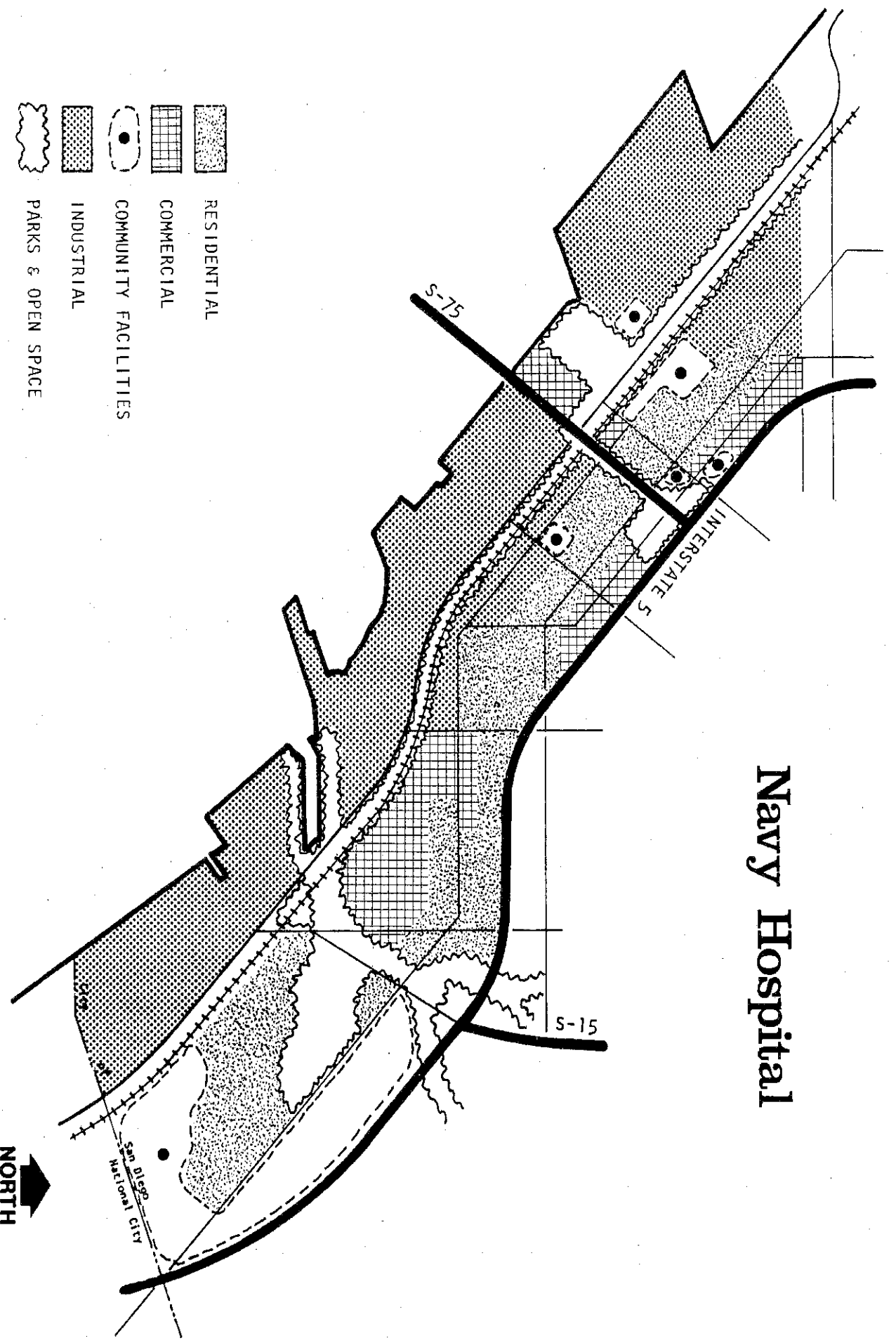


**BARRIO LOGAN  
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Alternative 8. NAVY HOSPITAL PLAN (Proposals for this Plan are based on a City Manager Memorandum titled "Balboa Naval Hospital Alternative Site Selection Analysis" dated May 1978.)

This proposal incorporates one of the alternatives which have been suggested for the Navy hospital relocation within the Barrio Logan area, adjacent to the Naval Base, in the Dalbergia portion of the Barrio Logan. That location would allow for a "Naval Unit" development from Freeway I-5 to the Bay south of Wabash (I-15). It would also afford joint use of housing and recreational facilities for both the hospital and the Naval Base activities.

# Navy Hospital



# BARRIO LOGAN HARBOR 101



# Evaluation of Alternative Plans

## EVALUATION FRAMEWORK:

The evaluation of Plan Alternatives is made in the following pages based on the following categories of performance standards; Environmental, Conformance with the California Coastal Act, and Planning Practice which is in turn divided into Land Use, Social, Economic, and implementation performance.

A detailed analysis of these plans in relation to the above mention standards, is included in Appendix III of this Plan, as a separate study.

The eight alternatives described were analyzed on a comparative basis with each other, and numerical ratings were established, based on the detailed Alternative Analysis included in Appendix III. A rating was established of 0=not applicable, 1=poor compliance, 2=fair to average compliance, and 3=good compliance.

## Environmental Evaluation:

This evaluation and analysis focuses primarily on the effect of Lan Use and Transportation Proposals on the environment. The evaluation was done as part of the EIR (Environmental Impact Report) component of this Plan, by the Environmental Quality Division of the Planning Department.

## Coastal Act Evaluation:

This evaluation and analysis responds to the applicable policies of Chapter 3 of the California Coastal Act of 1976, as defined by the State Coastal Commission in the Study Area's Issue Identification component of the Local Coastal Program process.

## Planning Evaluation:

This evaluation responds to considerations of generally accepted standard planning practice reflective of Local, State and Federal Law policies and ordinances, which includes considerations of Land Use, Social and Economic Goals, and Implementation Feasibility.

ENVIRONMENTAL EVALUATION MATRIX

Evaluation Factors	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	Earthquake Faults	Liquefaction	Floodplain Development	Access to Tidelands	Arch. Resources	Historical Resources	Architectural Resources	Urban Runoff	Noise	Energy Conservation	Water Conservation	Visual Quality	Traffic Congestion	Parking Conflicts	Air Quality	Odors	Water Quality	Safety Hazards	Vectors
ALTERNATIVES																			
1. No Plan - Existing Conditions	2	2	1	1	1	1	1	2	1	1	2	1	1	1	1	1	2	1	2
2. Industrial Plan	2	2	2	2	2	1	1	2	3	2	2	3	2	2	2	2	2	2	2
3. Residential Plan	2	2	2	2	2	3	3	2	1	2	2	3	2	1	2	2	2	2	2
4. Community Improvement Study	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3
5. Barrio Logan Residents Association Plan	2	2	3	3	2	3	3	2	2	3	3	3	3	2	2	2	2	2	3
6. Residential/Industrial Plan	2	2	3	3	3	3	3	2	3	3	3	3	3	3	2	2	2	2	3
7. Navy Consolidation (Harbor Drive closed)	2	2	1	1	1	2	2	2	1	2	2	2	1	1	2	2	2	1	2
8. Navy Hospital	2	2	2	3	2	3	3	2	2	2	2	3	2	2	2	2	2	2	3
Impact Scale																			
0 - Not applicable																			
1 - Poor																			
2 - Fair-Average																			
3 - Good																			

COASTAL ACT EVALUATION MATRIX

Evaluation Factors	Port Plan	Navy Plan	Shoreline Access	Rec. Visitor Fac.	Low, Mod. Income Housing	Water Quality	Hazard Areas	New Development	Visual Resources	Public Utilities	Industry Facilities	Traffic Access
	1	2	3	4	5	6	7	8	9	10	11	12
ALTERNATIVES												
1. No Plan - Existing Conditions	2	0	0	0	1	2	1	1	0	1	2	1
2. Industrial Plan	3	1	1	1	0	2	2	2	1	2	3	2
3. Residential Plan	1	2	3	2	3	2	2	1	3	2	1	2
4. Community Improvement Study	1	1	1	2	3	2	2	1	2	2	2	2
5. Barrio Logan Residents Association Plan	1	3	2	2	3	2	2	2	3	2	1	1
6. Residential/Industrial Plan	2	3	3	3	3	2	2	2	3	3	3	3
7. Navy Consolidation (Harbor Drive closed)	3	2	0	0	2	2	1	1	1	1	2	1
8. Navy Hospital	2	3	3	2	3	2	1	2	3	3	2	2

PLANNING EVALUATION MATRIX

LAND USE FACTORS

Evaluation Factors	Land Use Compatibility	Safety	Relate to Surroundings	Accessibility	Circulation	Parking	Open Space	Support Public Facilities	Vistas	Visual Clutter
	1	2	3	4	5	6	7	8	9	10
ALTERNATIVES										
1. No Plan - Existing Conditions	1	1	1	1	1	0	1	1	0	0
2. Industrial Plan	3	2	2	1	2	2	2	1	0	1
3. Residential Plan	2	2	2	3	2	1	3	2	3	3
4. Community Improvement Study	2	2	3	1	2	2	2	2	2	2
5. Barrio Logan Residents Association Plan	3	2	2	1	3	2	3	3	3	3
6. Residential/Industrial Plan	3	2	3	3	3	3	3	3	3	3
7. Navy Consolidation (Harbor Drive closed)	3	1	2	1	1	0	1	1	0	2
8. Navy Hospital	3	2	3	3	2	2	3	3	3	3

PLANNING EVALUATION MATRIX (cont.)

SOCIAL

ECONOMIC

IMPLEMENTATION

Evaluation Factors	Community Facil.Coord.	Image, Identity, Culture	Residential Concerns	Community Communications	Jobs/Employment	Industry/Comm. Acceptance	Home Ownership/Rehab.	Community Business	General Business Exp.	Land Value vs. Use	Increase Tax Base	Efficient Public Exp.	Upward Mobility	New Industrial Base	Simple Process	Public vs. Private	Financing Public/Private	Legal Conformance
	1	2	3	4	5	6	1	2	3	4	5	6	7	8	1	2	3	4
ALTERNATIVES																		
1. No Plan - Existing Conditions	1	0	1	1	1	1	1	1	2	1	2	1	1	1	3	3	2	1
2. Industrial Plan	1	1	1	0	3	1	1	1	3	1	3	0	2	3	1	1	1	2
3. Residential Plan	3	3	3	2	2	1	3	3	1	2	1	2	1	0	1	1	1	2
4. Community Improvement Study	2	2	3	2	2	2	3	3	2	2	2	2	2	2	1	2	1	2
5. Barrio Logan Residents Association Plan	3	3	3	3	2	2	3	3	1	2	1	2	1	0	1	2	1	2
6. Residential/Industrial Plan	3	3	3	3	3	2	3	3	3	2	2	2	2	3	2	2	2	2
7. Navy Consolidation (Harbor Drive closed)	1	1	2	1	2	2	2	1	2	1	1	1	2	1	2	2	2	1
8. Navy Hospital	3	3	2	2	3	2	3	3	2	2	1	2	2	3	1	1	2	2

# Alternative Ranking

On the basis of the comprehensive environmental, planning and Coastal Act considerations, the alternatives explored, rate as follows:

Alternatives 6 and 8, rate at the top due to the fact that both alternatives offer residential and industrial uses and an organized transportation system, while both provide some open space and waterfront access. In both cases, a more efficient and enhanced use of the industrial and residentially used land is proposed, particularly for waterfront dependent industry; where the industrial element is recognized and given its proper role on the waterfront area. Both plans propose a degree of residential/industrial co-existence. Alternative 8's feasibility, hinges on the Navy's ability and desire to locate the Navy Hospital in the Dalbergia area, which will depend on the redevelopment costs involved.

Second rated are the residential use Alternatives 3 and 5. These rate high mainly because of two elements. The resultant enhancement in the waterfront environment, and the corresponding beneficial social impact on the low and moderate income residential community. The industrial loss, is not strongly felt in the matrix evaluation due to the fact that the major industrial users and employers on the waterfront would remain in the area of the tidelands. Industrial uses presently in the Barrio which will need to relocate are not absolutely dependent on waterfront access, although some of them are accessory uses to the existing waterfront industry on tidelands and the Navy. In the second instance, these upland industrial uses could benefit in relocating to larger sites, at lower land cost per square foot.

Third in the overall evaluation are the Industrial Development Alternatives 2 and 4. Their lower rating is a result of the need for consolidation and resubdivision of the land to properly function efficiently to satisfy industrial use needs. It should be noted that although this area has been industrially zoned since the 1930's, the required consolidation and resubdivision has not taken place. Implementation of these critical industrial needs would require strong public action in the form of redevelopment subsidies and financing, which are presently not available for Alternative 2. Alternative 4 proposes mixed uses through plan districts which at this time have been proven difficult to develop, and complicated and difficult to implement under the present administrative system. In addition, the plan lacks definition in the resolution of environmental issues.

The least desirable alternatives are 1 and 7. Both would fail to resolve present issues of mix use, and in the case of Alternative 7, the closing of Harbor Drive would uncover new very difficult community and City-wide issues of circulation and land use impacts.

As a result of this evaluation, as well as community-wide input by both residents and business in the community, Alternative 6, the modified Residential/Industrial Plan, which is a simplification and variation of the Improvement Study (Alternative 4), will be further developed as the community plan. The following development will attempt to resolve further the issues of "incompatible land use mix", provide special development controls for industry to allow some coexistence with the residential element and a

further definition of "waterfront industry", with general enhancement proposals for the community to make it a successful working and living community, keeping in mind that business and industrial employees spend half of their active life in this community, as do the residents who live in the Barrio Logan/Harbor 101 Community.



# **ENVIRONMENTAL IMPACT REPORT**



# Environmental Setting

## AIR QUALITY

### Meteorology

The Barrio-Logan Community lies entirely within the coastal plain, immediately adjacent to the easterly shore of San Diego Bay. Elevations do not exceed 60 feet above mean sea level. Major drainage basins such as Switzer Canyon, Chollas Floodplain and Paradise Valley serve as conduits to move air masses from east to west across Barrio-Logan in the early morning hours when off-shore winds are dominant. Beginning around 8:30 a.m. during summer and 10 a.m. during winter, on-shore winds become dominant, moving air masses across Barrio Logan from west to east. The presence of the Point Loma land mass west of Barrio-Logan has a tendency to deflect the air mass moving from the west around the tip of the point. This air mass next encounters the Coronado Bridge which causes turbulence in the predominate easterly flow.

With the exception of certain meteorological conditions discussed below; the coastal environment experiences excellent horizontal ventilation. Highest wind speeds come in April, May and June while lowest speeds come in November, December and January. Seasonal storms, are of course, exceptions. Winds most frequently originate from the northwest, with the second most frequent direction being from the south. Again exceptions arise seasonally, for example easterly winds known as Santa Ana's.

The San Diego Air basin experiences an inversion phenomena which acts as a lid on the air mass over the region trapping emissions near ground level. Although high number of surface based inversions occur in the winter (58 percent). They break up rapidly because of meteorological conditions. Winter inversions maximize the impact of vehicle emissions (carbon monoxide and oxides of nitrogen). Summer inversions last longer because there is less change in temperature from day to evening. Summer inversions maximize the oxidant (ozone) impact in the easterly areas of the air basin (El Cajon and Alpine). Emissions originating along the coast in the early morning are lifted to the inversion base where they are trapped. They are then transported inland by the sea breeze, while the action of sunlight acts upon the emissions to produce oxidants. Temperatures and wind speeds which increase at mid-morning act to spread out the pollutants and increase ground-level concentrations. In the evening, pollutants are transported back to the coast as the temperature of the land drops.

## Existing Ambient Air Quality

### Monitoring Station Data

The ambient air quality for Barrio-Logan can best be determined by reference to the data collected by the Air Pollution Control District's (APCD) monitoring station at 1111 Island Street. This station is about 1-2/3 miles from the center of Barrio Logan. The latest published data (1976) from this station shows that the standards were exceeded as follows:

Oxidants - 45 days (federal standard)  
Nitrogen Dioxide - 7 days (state standard)  
Hydrocarbons - 349 days (federal standard)  
Carbon Monoxide - 0  
Sulfur Dioxide - 0  
Total Suspended Particulates - 25 percent of all samples (state standard)

The oxidant or ozone pollutant is the most significant pollutant in the formation of smog. Of the seven monitoring station locations, all reported higher levels of oxidant than the downtown station in 1976. The data shows a pattern of increasing oxidant levels with distance from the coast. Carbon monoxide and nitrogen dioxide are the most predominant pollution problems during winter months. The downtown station recorded the highest number of days exceeding the standard for nitrogen dioxide compared to the seven other stations. These factors mean that Barrio Logan is exposed to less of an impact from ozone than most other locations in the air basin but it is likely to be exposed to greater localized concentrations of nitrogen dioxide than other areas.

### Emission Sources

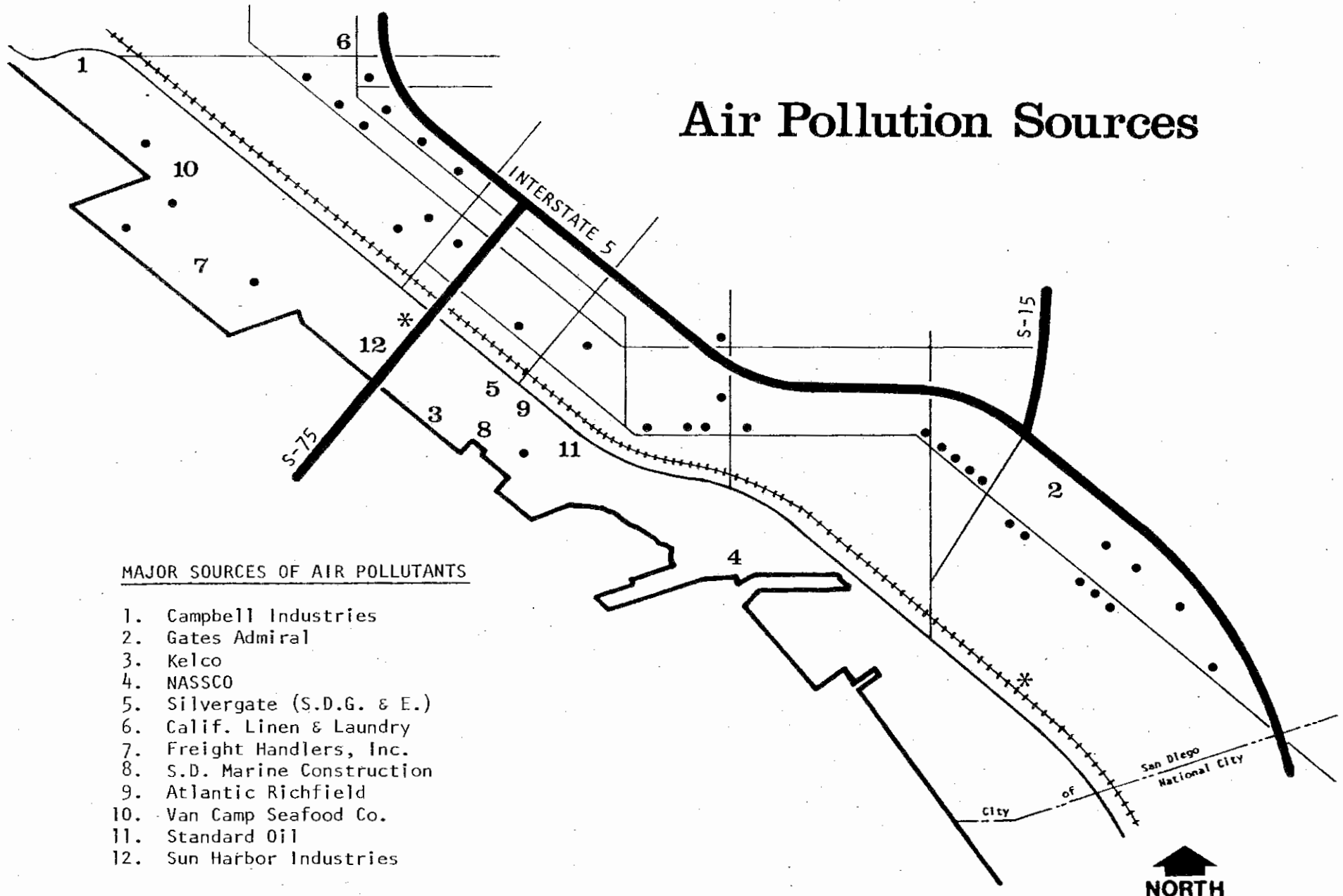
In addition to ambient air conditions, there are specific point sources of emissions within and near Barrio Logan which must be considered in an air quality analysis. These are automobile generated emissions, naval operation emissions, and industrial emissions. (Stationary sources)

#### a) Stationary Sources

There are approximately 82 facilities in Barrio Logan which operate under a permit from the Air Pollution Control District. Because a single facility or industry may have a number of sources within it, each specific source is regulated under a separate permit. There are 369 permitted pieces of equipment within the 82 facilities. The major facilities within the planning area are Kelco, National Steel and Shipbuilding Company, the Naval Station, San Diego Marine Construction and San Diego Gas and Electric. All of the industrial sources are operating within the emissions allowed by APCD. The small industrial sources of emissions include gas stations, cleaners, chemical companies, laundries, electrical equipment companies, fuel storage tanks, paint manufacturers, and paint shops.

The San Diego Gas and Electric Silvergate power plant is a major source of emissions of particulates, carbon monoxide, sulfur dioxide, and nitrogen dioxide. San Diego Gas and Electric has requested a repowering of one unit

# Air Pollution Sources



## MAJOR SOURCES OF AIR POLLUTANTS

1. Campbell Industries
2. Gates Admiral
3. Kelco
4. NASSCO
5. Silvergate (S.D.G. & E.)
6. Calif. Linen & Laundry
7. Freight Handlers, Inc.
8. S.D. Marine Construction
9. Atlantic Richfield
10. Van Camp Seafood Co.
11. Standard Oil
12. Sun Harbor Industries

## MINOR SOURCES •

City Pump Stations \*

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of the Silvergate facility which would increase nitrogen dioxide emissions by about five times the current levels without further controls. This would occur because of a change in equipment from boilers to a turbine. In the past the Silvergate plant has been used during peak electricity demand time; for example in 1976 the boilers were operating 10 percent of the time. With the repowering proposal Silvergate would become a base load facility, operating most of the time. This increase at Silvergate would permit a temporary reduction in power generation at the South Bay and Encina plants and others until the demands for increased power overtime offset the additional capacity. The effect of reduced use of the other power plants would be a region-wide reduction in nitrogen dioxide emissions. If the repowering of Silvergate was not implemented the need for additional power would have to be met by the existing equipment at Silvergate. More frequent use of the existing equipment would result in higher levels of all emissions because of the age and infrequent past use of the equipment. San Diego Gas and Electric and the APCD are currently cooperating to determine if the increased emissions expected from the repowering can be successfully controlled. Permission to operate the repowered unit ultimately depends upon control of nitrogen dioxide emissions satisfactory to APCD.

The Silvergate Plant is also a potential source of sulfate emissions which can fall out of suspension in the air and cause damage to

surfaces such as automobile paint finish. This effect can easily be controlled by the addition of a fuel additive which stops the formation of sulfates.

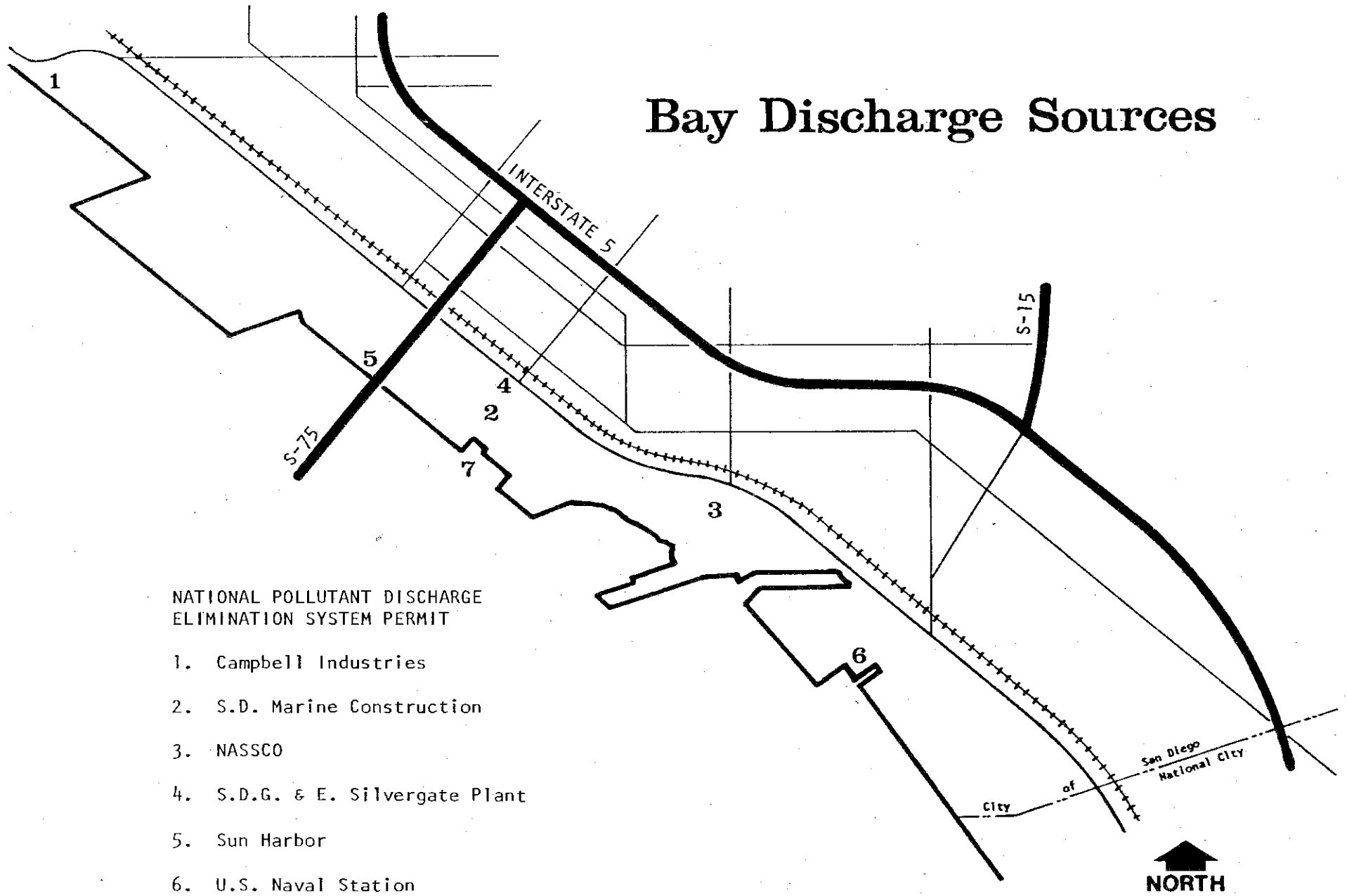
#### b) Mobile Sources

The major sources of auto emissions in the community are the major roadways, Interstate 5, Harbor Drive and the Coronado Bridge. Carbon monoxide (CO) is the predominant pollutant likely to directly affect the community. Carbon monoxide concentrations may be high within 25 meters of the roadway but disperse rapidly beyond that point. Locations such as the intersection of Interstates 5/15 and I-5/Coronado Bridge will generally result in higher concentrations of CO.

Automobile gasoline lead is a major pollutant which occurs in both coarse particles which may fall out onto the soil within 60 feet of roadways and fine particles which remain in suspension for greater distances from the point of origin. Only a small lead portion of aerosols fall out near the source of emissions. Most of the lead remains suspended in air currents and are dispersed around the globe. Researchers have found a decrease in lead concentrations in the air in San Diego as unleaded gasoline has increased in use.

A number of other pollutants such as sulfuric acid and hydrocarbons are emitted by automobiles but as yet there has been no determination of the quantities of such

# Bay Discharge Sources



## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

1. Campbell Industries
2. S.D. Marine Construction
3. NASSCO
4. S.D.G. & E. Silvergate Plant
5. Sun Harbor
6. U.S. Naval Station
7. Sampson St. Storm Drain

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pollutants which may be concentrated around roadways.

c) U.S. Navy Sources

There are three sources of air contaminants from naval operations, they are jet engine test cells, aircraft, and ships boiler stacks. All must comply with the rules of the Air Pollution Control District and the Air Resources Board (ARB). Jet engine test cells located at North Island and other places emit both visible and invisible air pollutants. The test cells are in compliance with the invisible pollutant standards for nitrogen oxides but are not in compliance with the visible emission standard. The ARB is currently pursuing legal action against the Navy to achieve compliance. Yearly emissions due to aircraft operations from NAS North Island have been estimated by the Navy as follows: 800 tons of carbon monoxide, 89 tons of nitrogen oxide, 307 tons of hydrocarbons and 28 tons of particulates. Visible emissions from the boiler stacks of naval ships violate APCD rules. When a violation is sighted by an APCD officer a notice of violation is issued which requires the Navy to respond with an explanation of the cause. The APCD has been cooperating with the Navy in order to eliminate the possibility of stack emissions.

Odor Sources

Particular industrial sources such as fish processing will result in odor emissions which must be controlled. The Air Pollution Control District monitors and regulates odor emissions and has established odor control requirements for the Sun Harbor Industry fish canning plant. A chemical control system is in operation at Sun Harbor's plant. However; it has been inoperative periodically due to the new technology involved.

A second significant source of obnoxious odors is the City's sewage system in the plan area. There are two sewage pump stations in the area, at 1794 Harbor Drive and 3550 East Harbor Drive. In addition there is a sewage line in Harbor Drive which may also be a source of odors. The City is taking action to eliminate the odors from the pump stations through a new process which is also reviewed by APCD. The odors originating from the sewage line will be eliminated in 1979-1980 when the City will replace the line.

Sewage odors also occur due to operations of the Naval Station under a program in which the Navy is pumping the contents of ships holding tanks into City's sewage system. The City and the Navy are cooperating to correct the odors emitted from this source.

## WATER QUALITY

The Barrio Logan Community lies on the easterly shore of San Diego Bay but is physically separated from the Bay by the State tidelands within the jurisdiction of the San Diego Unified Port District. San Diego Bay is a crescent-shaped bay about 14 miles long, ranging from 1,600 to 14,000 feet in width. In the central bay, depths generally range from 10 to 25 feet except for a 30-foot deep channel and berthing areas along the eastern margin. In the south bay, depths generally range from 0-8 feet, except for several narrow dredged channels which have been cut to depths of 8 to 20 feet. Historically the eastern bay margins such as the area between Barrio Logan and the Bay were characterized by fine mud deposits.

Because of the long-term and intensive urbanization of the community the Soil Conservation Service (SCS) has identified the soil type as urban. Soil erodibility, shrink-swell behavior and other limitations were not rated by the SCS due to the urbanized nature of the land surface.

The Las Chollas Creek drainage cuts across the plan area from east to west but is partially channelized through a concrete channel. Where the channel empties into San Diego Bay it has been widened to 200 feet and dredged to a depth of 29 feet. Stream-flow occurs only during and after storms. The shoreline in Port District jurisdiction adjacent to the Barrio Logan community consists of docks and piers. There are no locations where natural beaches, mud flats or other natural shoreline exist.

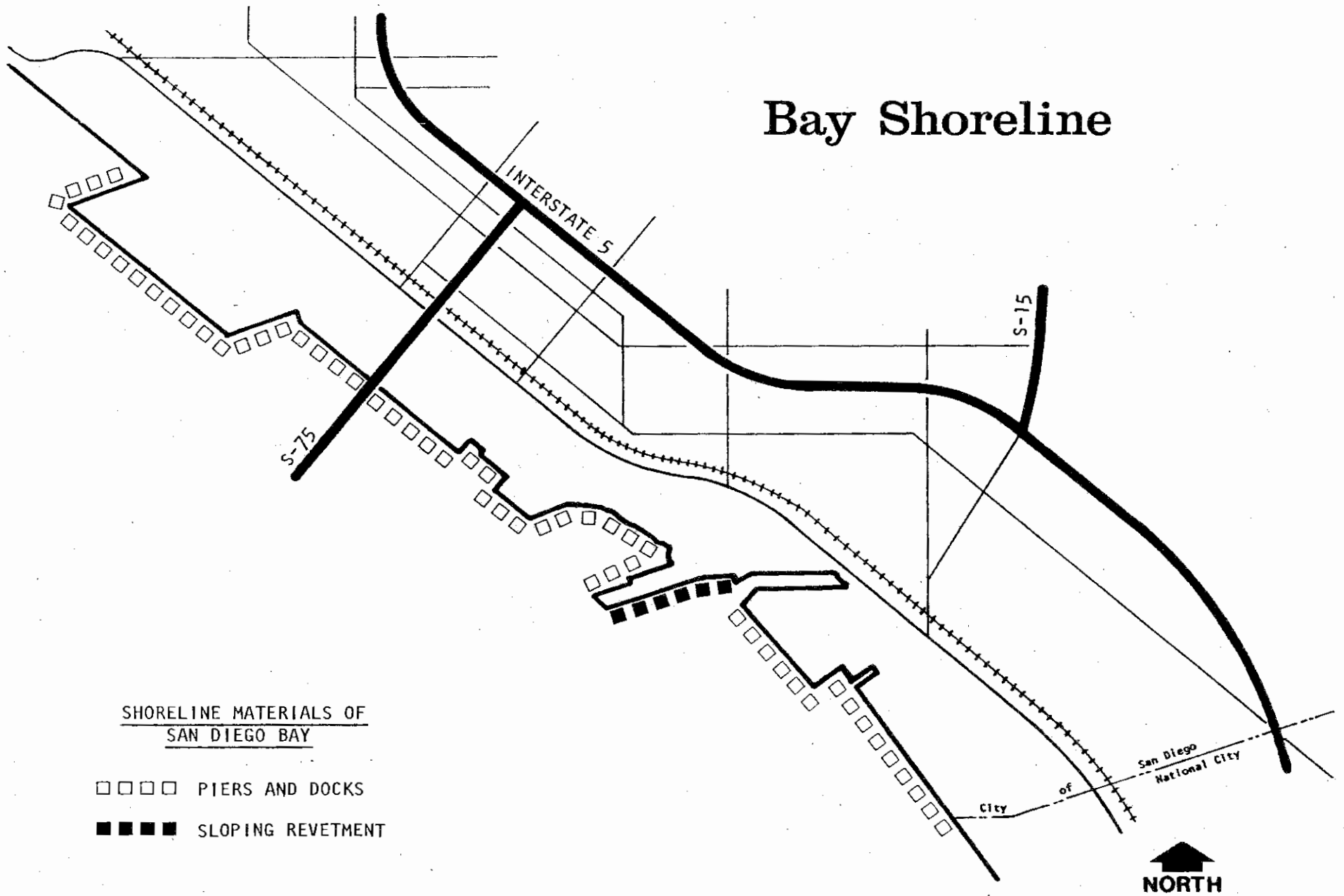
## Water Resources

The Barrio Logan Community is within the Coronado Hydrographic Unit, an area of about 60 square miles with no major stream system. It is bordered to the north by the watershed of the San Diego River and on the south, in part, by that of the Sweetwater River. Nearly all of the area is occupied by urban residential and industrial developments. San Diego Bay lies offshore of this unit. Water quality within the Bay generally approximates that of the Pacific Ocean coastal waters.

The estimated mean seasonal natural surface runoff from Las Chollas Creek into San Diego Bay is 5,200 acre feet. The main stem of the creek within the plan area (below Interstate 5 to the San Diego Bay) contains 210 acres. Land uses within this area are commercial, industrial and naval station property. Major stream flow occurs only during and after storms. The only other surface water channels are Switzer Channel and Paleta Creek which are both channeled into storm drains.

Near surface groundwater is found in the Las Chollas/South Chollas confluence area and underlying the plan area. No domestic or industrial use is made of the local runoff or groundwater. Runoff from storm drains and surface areas is directed into San Diego Bay.

# Bay Shoreline



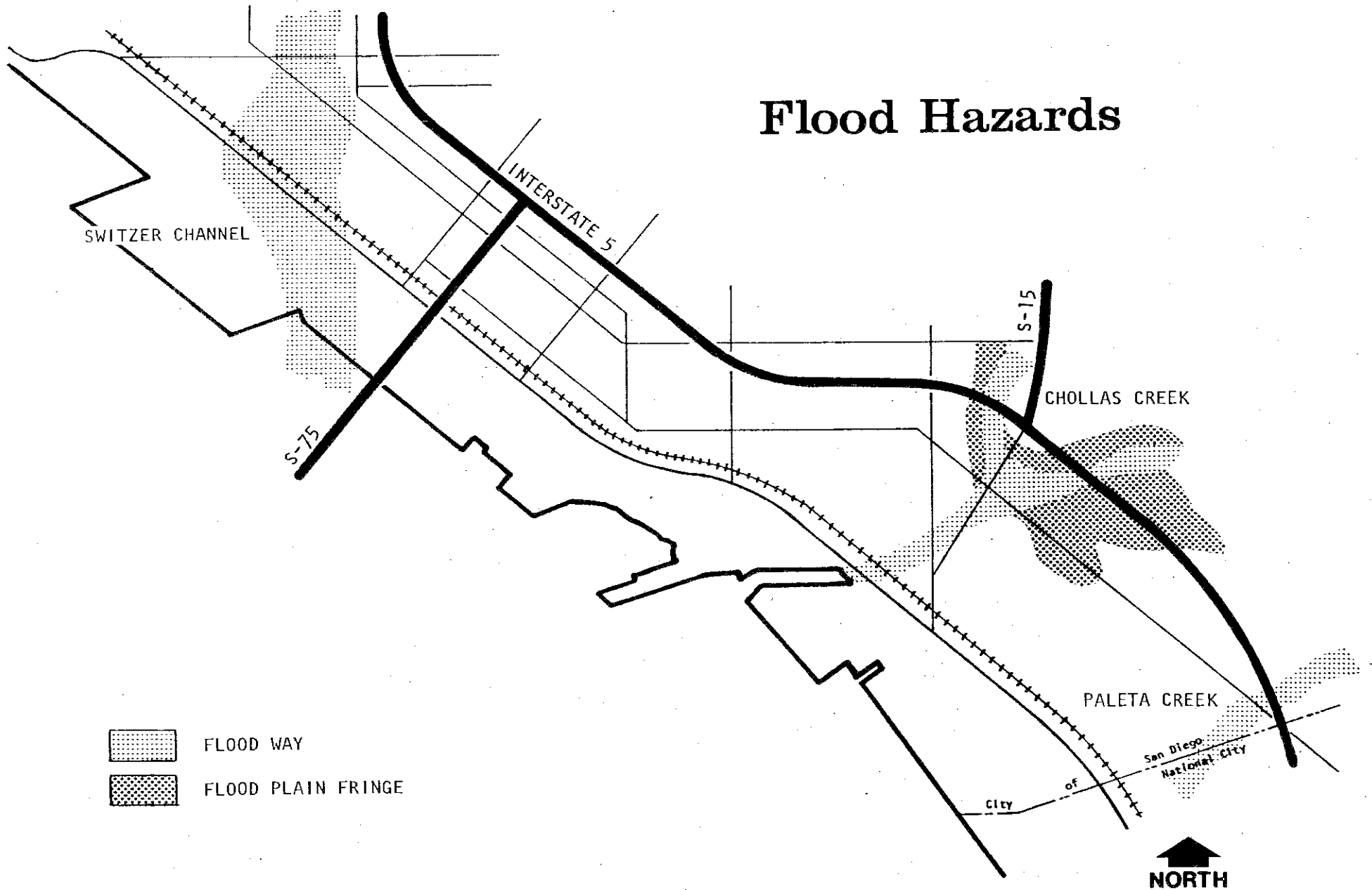
## SHORELINE MATERIALS OF SAN DIEGO BAY

- PIERs AND DOCKs
- ■ ■ ■ SLOPING REVETMENT

SOURCE: A Proximate Biological Survey of San Diego Bay, California, Thomas J. Peeling, 1975

# BARRIO LOGAN HARBOR 101

# Flood Hazards



SOURCE: HUD Flood Insurance Study, Flood Hazard Map.

## BARRIO LOGAN HARBOR 101

The Regional Water Resources Control Board has identified the following existing and potential uses of San Diego Bay:

- o Industrial Service Supply (cooling water, fire protection, etc.)
- o Navigation (commercial and naval shipping)
- o Water Contact Recreation (swimming, wading, water skiing, etc.)
- o Non-Contact Water Recreation (picnicking, pleasure boating, etc.)
- o Ocean Commercial and Sport Fishing
- o Saline Water Habitat (inland saline habitat for aquatic and wildlife resources)
- o Preservation of Rare and Endangered Species
- o Marine Habitat (preservation and sustenance of fish, shellfish, marine mammals, waterfowl and vegetation)
- o Fish Migration (temporary aquatic environment for anadromous and other fish species)
- o Shellfish Harvesting (sport or commercial harvesting) (Embarcadero Plan)

#### Quality of Waters

Surface waters channelized in the Chollas Creek carry debris and sediment from upstream as well as typical urban pollutants such as heavy metals, oil and grease, and pesticides and herbicides.

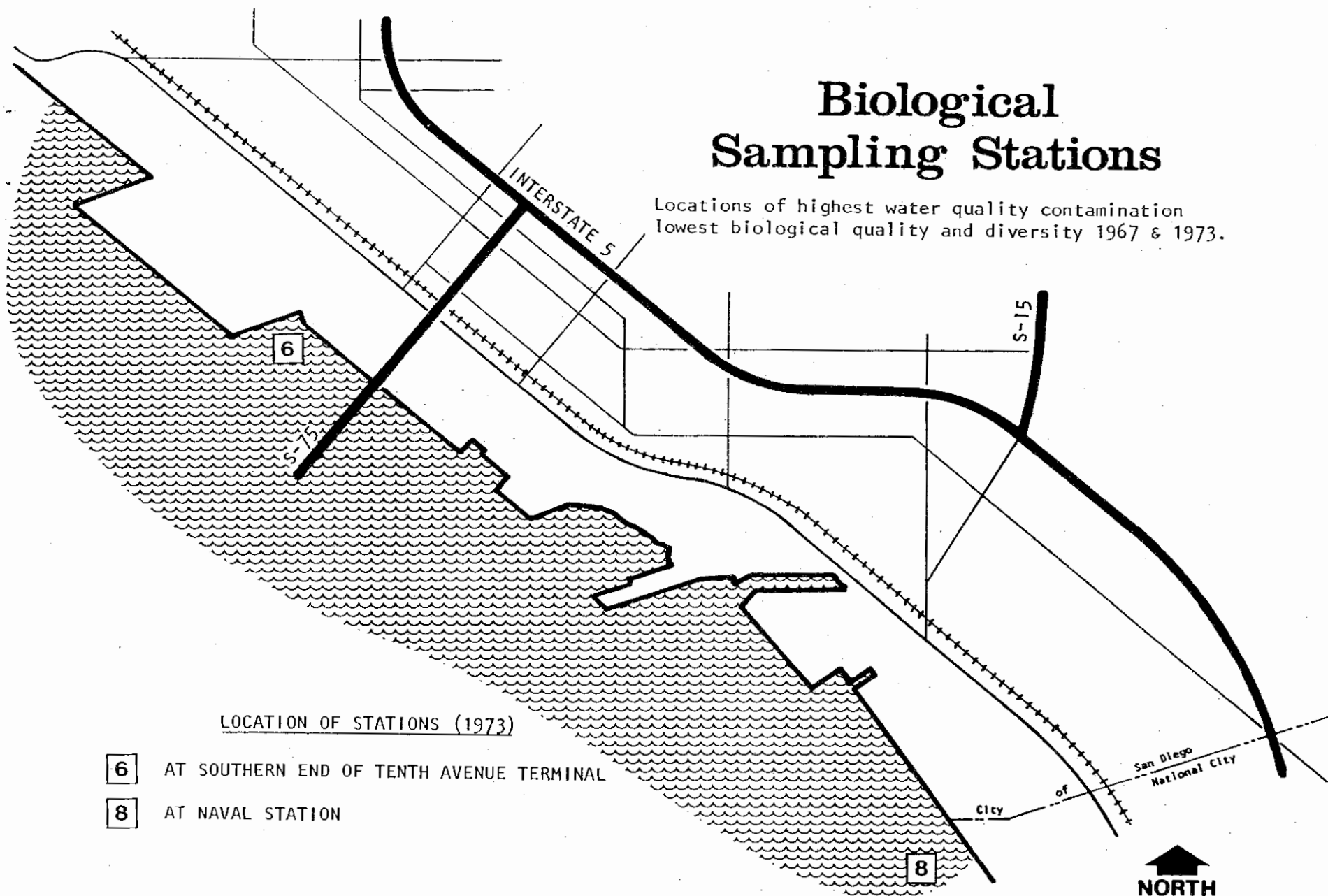
From 1887 to 1964 The City of San Diego's sewage disposal system emptied into San Diego Bay. The San Diego Metropolitan Sewage System was in full operation by 1964, operating with an open ocean outfall which totally eliminated domestic sewage discharges into the bay. Since 1964 dissolved oxygen values have risen to an average of more than five parts per million and the visibility has increased to more than eight feet. Water quality now meets federal standards for water contact sports.

The presence of such diverse industries as aircraft design and development, tuna canning, electrical generation, and shipbuilding has, however, resulted in various pollutants being discharged into the bay each year. Much of this material is deposited in sediments. The least contaminated parts of the bay were found to be near the entrance and the southernmost end.

The bay's receiving waters in the vicinity of Barrio Logan have been tested by various agencies and individuals since 1967. Most recent testing by the Water Quality Control Board in 1977 showed that water quality was good. Pollutants measures were at much lower levels than had been found in testing in 1973 and 1969.

# Biological Sampling Stations

Locations of highest water quality contamination  
lowest biological quality and diversity 1967 & 1973.



LOCATION OF STATIONS (1973)

- 6** AT SOUTHERN END OF TENTH AVENUE TERMINAL
- 8** AT NAVAL STATION

SOURCE: A Proximate Biological Survey of San Diego Bay,  
California, Thomas J. Peeling, 1975

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The fact that the bay currently can now claim overall good water quality is substantiated by the presence of larger game fish. Sharks, croaker and bonito were found off the shore of the plan area in a 1975 survey. Bonito feed off bait-fishes therefore, their presence also indicates a significant rise in the presence of bite fishes since 1966. Two species of crabs were also found in the plan area.

In 1975 the U.S. Army Corp of Engineers reviewed the overall water quality of the bay and found that it was relatively free of pollution. Although the Regional Water Quality Control Board's standards are being met, the following localized sources of pollution still exist: human wastes discharged from naval vessels, and other ships and boats, and accidental oil and petroleum product spills.

#### Point Sources and Their Wasteloads

The following water quality problems have been caused by point source discharges into the San Diego Bay:

- o Hydrogen sulfide odors due to excessive travel time in trunk and interceptor sewer system;
- o Microorganism contamination due to discharges from vessels.

The types of industries in the plan area which today contribute wastes to the bay are tuna canning, electrical power generation, shipbuilding and repair practices and vessels.

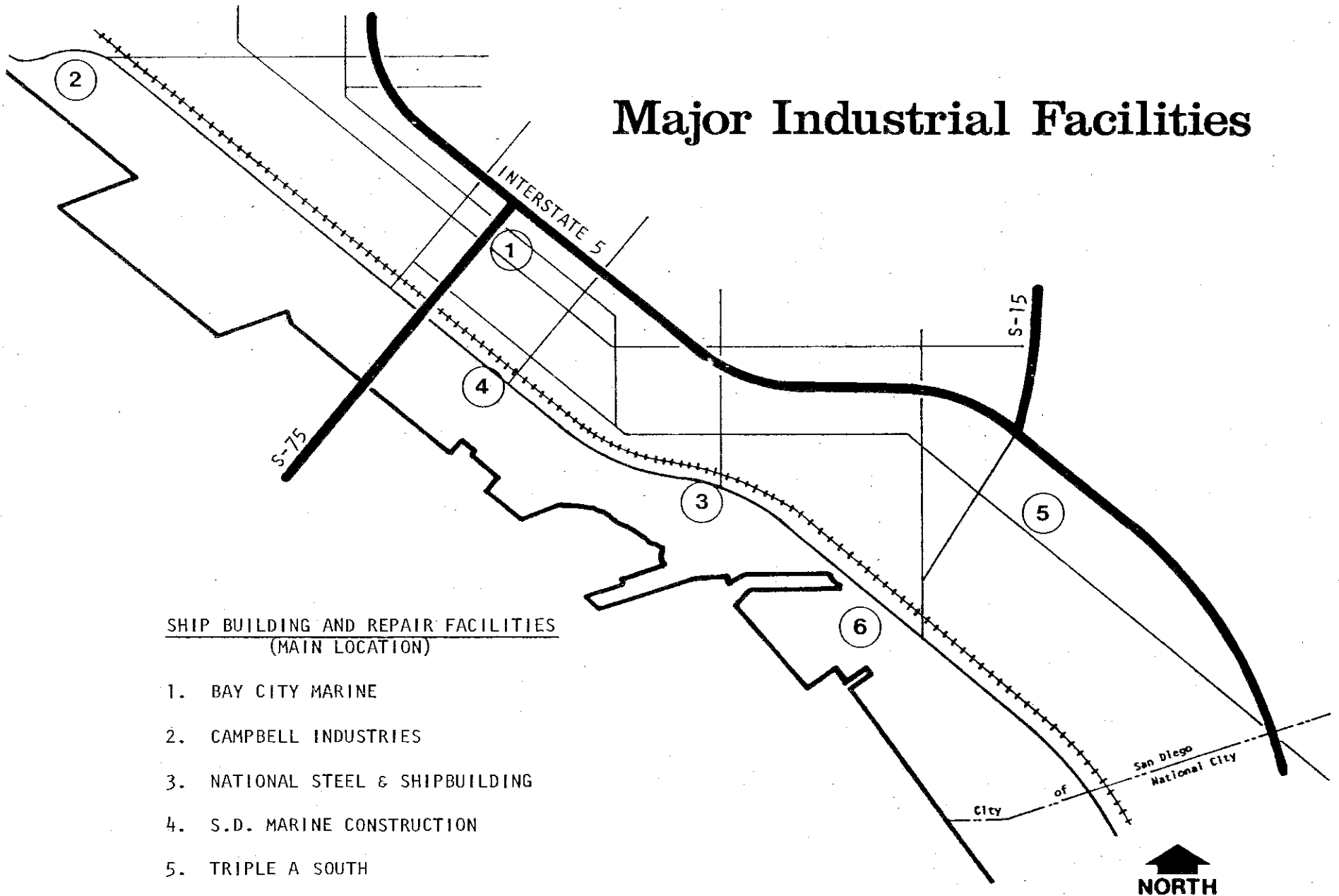
The Silvergate Power Plan discharges 215 mgd of salt water which has been pumped from the bay through the cooling unit and back into the bay. At present the thermal discharges do not have known adverse environmental impact.

Seven shipbuilding and repair facilities are located immediately adjacent to San Diego Bay. Activities contributing to water pollution include 1) the cleaning of vessels by scraping, sandblasting or brushing, 2) the painting of vessels by sprayer roller or brush, 3) the collection of oil and solvents, 4) the hauling and launching of ships, and 5) removal and disposal of sewage. The regional board's survey of these industries found that oil, bilge water and sewage from holding tanks were properly handled.

To eliminate pollution from this class of industry, the following elements are being implemented through the National Pollutant Discharge Elimination System (NPDES) permit program:

- o Minimization of the quantities of spent sandblasting sand and debris released to the bay through the use of dry-sweep or vacuum sweep units.
- o Continuation of efforts to reduce the quantities of mercury and arsenic used in marine paints and primers. Each shipbuilding and repair facility now comes under Water Quality Control Board (WQCB) permit procedure which requires implementation of a work program which includes removal of abrasive cleaning

# Major Industrial Facilities



SHIP BUILDING AND REPAIR FACILITIES  
(MAIN LOCATION)

1. BAY CITY MARINE
2. CAMPBELL INDUSTRIES
3. NATIONAL STEEL & SHIPBUILDING
4. S.D. MARINE CONSTRUCTION
5. TRIPLE A SOUTH
6. U.S. NAVAL STATION

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debris to a landfill and collection of drainage and runoff on-site to be treated and disposed via the sewer system.

San Diego Bay is used by cargo ships, the tuna fleet, fishing boats and small craft. Cargo ships and the tuna fleet are the largest users of the shoreline adjacent to the plan area. The San Diego Naval Station, part of which is located at the southern end of the plan area, maintains a major berthing operation accommodating about 130 ships per day.

In 1975 it was estimated that 400,000 gallons of raw sewage entered San Diego Bay each day from ships berthed at the Naval Station and North Island. Equipment to allow shipboard wastes to be transferred ashore for disposal has been designed; however, and is now being installed on a number of ships. With the completion of current construction of dockside and shipboard facilities it will be possible to eliminate about 55 percent of the Navy's discharges into the bay. By 1980 all discharge of sewage into San Diego Bay from Navy Ships will be eliminated.

Due to the fueling operations, internal fuel transfer and bilge pumping operations of ships and boats there is a loss of oil which causes oil slicks to form on the surface of the bay. The sources of the oil are as follows: commercial ships, five percent, San Diego Gas and Electric, Silvergate Plan 10 percent, Navy Fuel Depot, 85 percent. Due to the high number of fuel oil transfers which the Navy effects it would be responsible for most of the oil spills. However, the worst (largest) spills which have occurred were

attributed to civilian sources. In the past ten years the Navy has been the only agency using the bay that cleaned up its own oil spills. As a result of recent federal regulations any industry, civilian or public, must provide immediate clean-up of its spills.

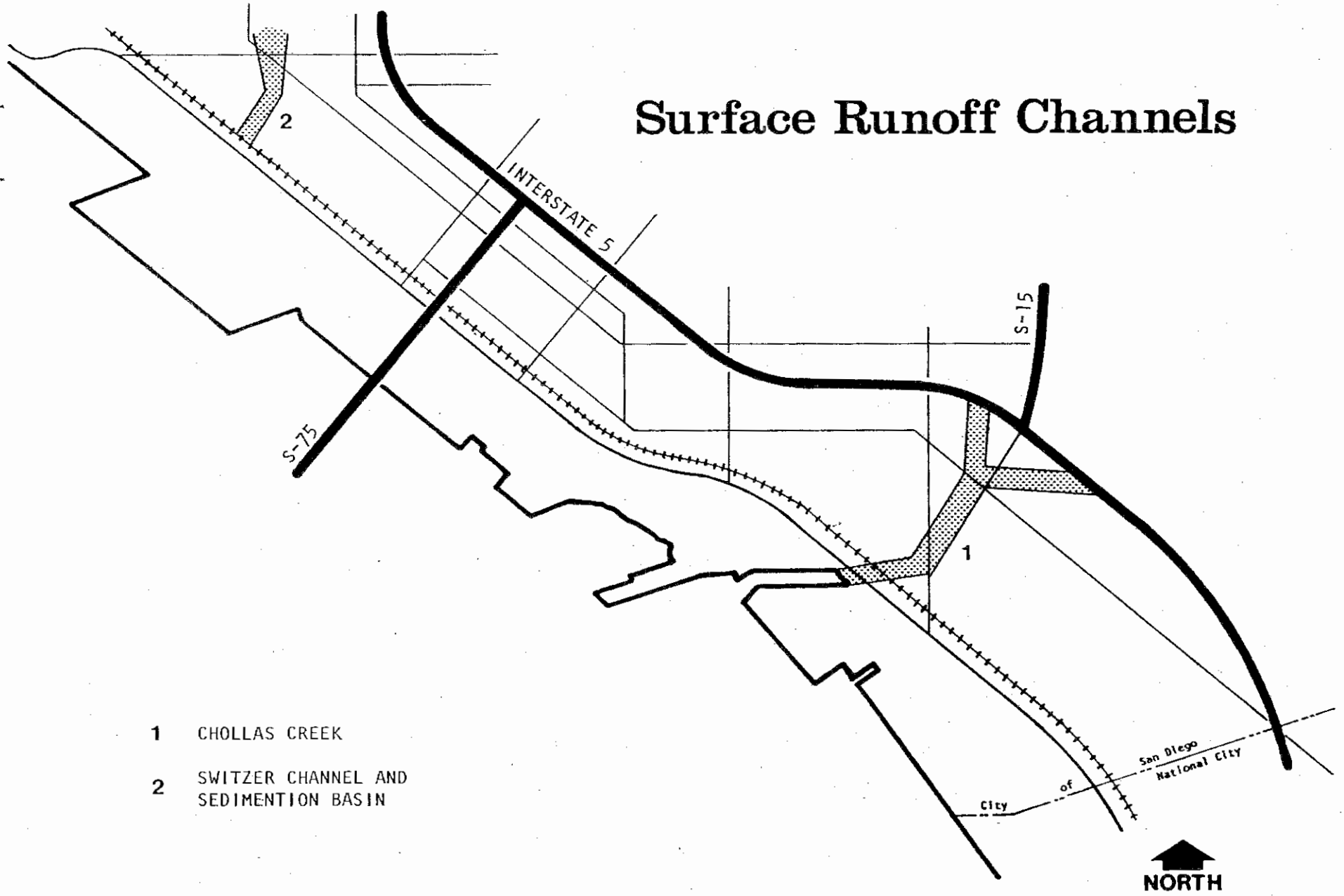
#### Urban Runoff Wasteloads

Rainwater falling on an urban watershed like the Barrio Logan community, intercepts pollutants in the air and picks up contaminants as it flows on the surface or by subterranean routes to downstream surface water areas. Except for a probable reduction in suspended material transport, the flow of such waters through an urban environment generally magnifies these pollution producing conditions above those of a non-pollutional substances to precipitation. The conversion of permeable open land to impervious urban surfaces such as roads, walks, streets, roof structures, parking areas, shopping centers, and airports also increases the volume of surface runoff water per unit of rainfall.

The 1978 Summary Report of the Areawide Water Quality Management Plan indicates that sedimentation is not generally a problem in San Diego Bay. There may be higher levels of coliform bacteria concentrations during the following episodes of storm-water runoff but the levels drop shortly after the runoff ends.

Other runoff impacts such as turbidity, presence of floating trash and oily sheers are usually of such a short duration that they are considered minor impacts in San Diego Bay.

# Surface Runoff Channels



- 1 CHOLLAS CREEK
- 2 SWITZER CHANNEL AND SEDIMENTATION BASIN

SOURCE: City of San Diego

**BARRIO LOGAN  
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## NOISE QUALITY

In the Barrio Logan Community noise affecting the community's residents may be generated from automobile and truck traffic or industry. Almost every street in the planning area carries a higher percentage of heavy trucks than can be found in other communities. Based upon posted speed limits and traffic volumes, both Harbor Drive and Main Street generate noise levels exceeding 65 decibels on the Community Noise Equivalent Level (CNEL) Scale. Any homes located along these streets may be impacted by noise of 65 dB CNEL or greater which is "normally incompatible" with residential uses according to the City's Noise Element of the General Plan.

Other local streets in the community carry a variable mix of light and heavy vehicles which may generate noise exceeding 65 decibels during peak traffic hours although the noise may not reach an average of 65 decibels over a 24 hour period. For example, Beardsley Street traffic and associated noise was analyzed by the City Noise Abatement office in 1977 in order to determine the noise impact upon Lowell Elementary School. It was found that at 25 feet from the centerline of Beardsley Street noise levels were as high as 72 dB to 90 dB CNEL. These noise levels were taken between 8:30 a.m. and 10:30 a.m. which was the time period in which teachers at Lowell School perceived the most intrusive noise problem. As a result of these tests the Noise Abatement office recommended that four and five-axle trucks be prohibited from using Beardsley Street between 8:00 a.m. and 12 noon, Monday through Friday. This recommendation was

approved by the City Council and is enforced through a weight limit. Beardsley Street between National Avenue and Main Street is prohibited at all times to commercial vehicles of a gross vehicular weight rating of 40,000 pounds or more. Passenger uses, public utility vehicles and commercial vehicles having a destination or point of origin on the street are exempted. Signs have been posted and the regulation is enforced by the Police Department.

On the basis of the noise levels found on Beardsley Street it is reasonable to assume that other local streets such as Crosby, Logan, National, Sampson, Sigsbee, Newton, 26th Street, 28th Street, 32nd Street, Dalbergia and others experience similar high noise levels. Trucking oriented businesses in the plan area include a truck driving school, cartage and trucking companies, warehouses distribution centers, fuel transport trucks and numerous others. The auto recycling centers and other industrial uses which are located on the same block as residences generate traffic from heavy trucks which generate high noise levels. Even though the number of such trucks may be few the combined effect is cumulative and contributes to the overall high ambient noise level which can be observed in the community.

Traffic noise generated by Interstate 5 and 15 and the Coronado Bay Bridge contributes to the overall high ambient noise levels in the community. because all these freeways are elevated above the surface level of the community they probably do not

directly impact the adjacent property at levels exceeding 65 dB CNEL: although there may be a few specific exceptions.

Other potential transportation noise sources are aircraft, helicopters, railroads, boats and ships. The Air Installation Compatible Use Zone Study for North Island Naval Air Station found that there were no noise, accident potential, flight shadows or helicopter patterns intruding upon Barrio Logan's air space due to North Island NAS activities. However, there may periodically be diversions from the correct flight pattern which take aircraft over the plan area.

The Santa Fe Railroad lines lie directly adjacent to Harbor Drive to the north and south. Because they pass through a completely industrialized portion of the community and railroad generated noise does not directly impact residences. Diesel locomotives produce noise levels of 88-98 dBA at 50 feet. Occasional train whistles may be heard throughout the community but are not of sufficient frequency and duration to constitute a major noise source.

Noise generated by boats and ships operating in the day adjacent to the community does not generally reach community residences because of the distance between them (250-300 feet). Again, periodic ships whistles, escaping steam or other noises may exceed the ambient noise levels and become apparent in the community. Such noises would be infrequent and of limited duration and therefore would not be a major noise source.

Due to the large number of heavy industry and major commercial uses in the plan area, industrially generated noise is a major noise source for the community. The chief industries contributing to the industrial noise component are a power generation plant, four major shipbuilding and repair facilities, numerous auto and heavy metal salvage yards and an aluminum can recycle center.

Community residents have reported whistles and other sharp, loud noises which occur at night, particularly after midnight, and seem to be generated by industrial operations. Although these noises may not occur on a regular basis and may not continue for a protracted length of time at each event, they constitute a significant adverse existing environmental impact to the residents. Noises occurring at night which interrupt sleep have significant physiological effects on humans. Chronic noise events such as those affecting the Barrio Logan community constitute a significant stress upon the people who are exposed to the noise. Reflex reactions of the nervous system in response to noise causes constriction of blood vessels which in turn affects the heart as well as blood circulation to the extremities and the eyes.

## VISUAL QUALITY

The visual quality of the Barrio Logan Community is marked by a number of visual barriers and a lack of major vista points. Because the natural landform is a low-lying coastal plain of less than 60 feet in elevation, the Community's views are easily dominated by any large structure.

The community boundaries are clearly demarcated by Interstate 5 on the east. The elevated portions of the freeways provide continuous views of the community. San Diego Bay is the dominating feature but its presence is generally obscured at ground level due to the industrial development in the tidelands area under the jurisdiction of the San Diego Unified Port District.

Moving into Barrio Logan from the north, a large railroad yard is highly visible east and west of Harbor Drive. Also at this general area there is a viewpoint available on all sides but the view is of an industrial zone, unorganized, with bleak buildings and open storage yards and generally disruptive visual clutter. Campbell shipyards and the 10th Avenue Marine Terminal provide visual barriers between Harbor Drive and the bay. Industrial employees take advantage of any vacant land, such as that alongside the railroad tracks for parking. Not only are the parked cars a visual blight but the parking areas are unpaved, dusty and unlandscaped.

Major disruptive visual barriers occur continuously along the entire length of Harbor Drive through the community. These barriers generally prevent visual

access to the bay as well as into the community. In contrast to these barriers the Coronado Bridge offers a location from which to obtain continuous views of the community, of course these views are not available to pedestrians since the bridge is restricted to auto traffic and a toll is levied for automobiles. The bridge itself is also a major landmark in San Diego Bay but the bridge's support columns are major structural interruptions in the visual continuity of the community experienced at ground level.

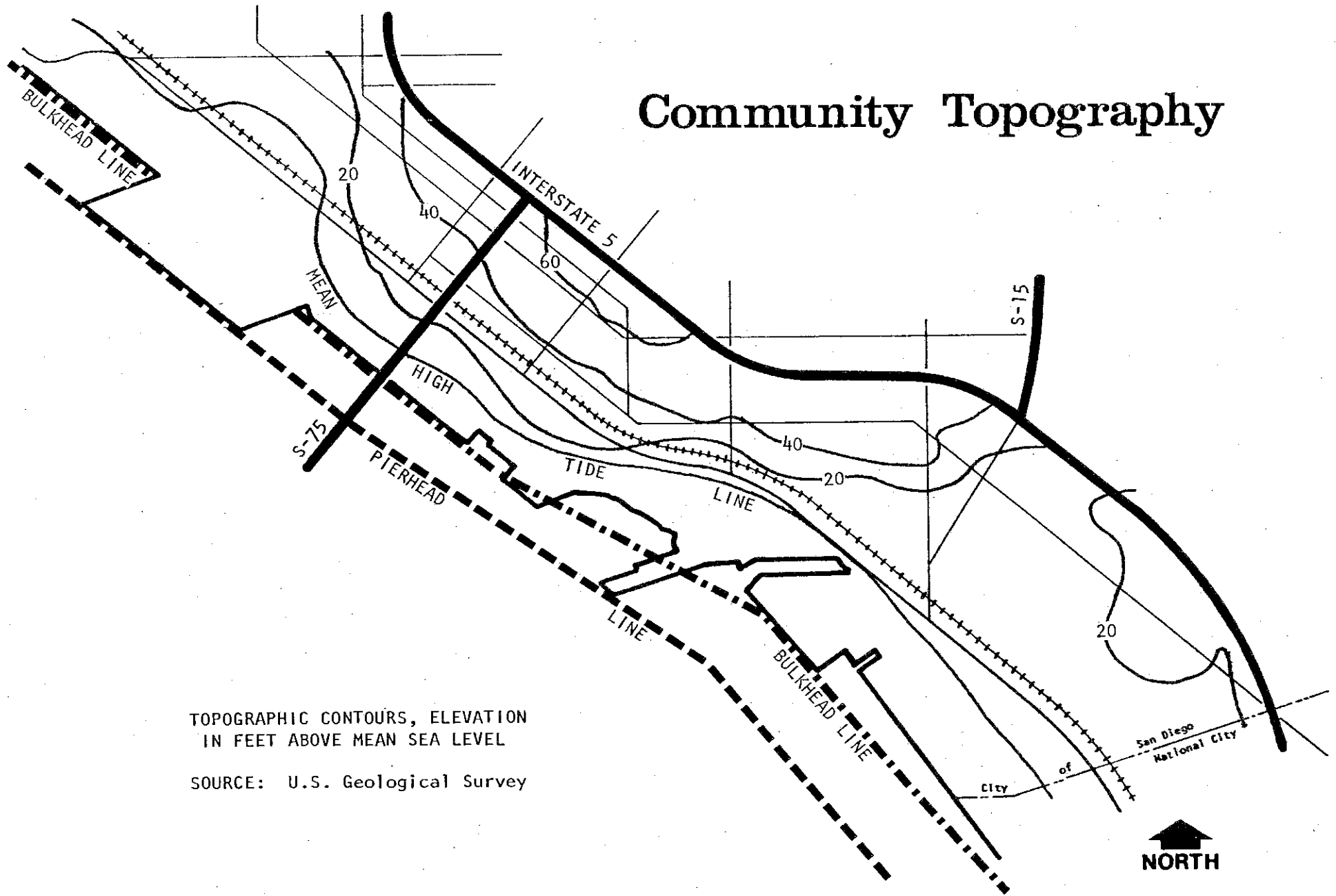
At the eastern end of the Coronado Bridge is Chicano Park, a major community activity center which is a positive visual landmark because of the brilliantly colored murals depicting themes from the Mexican-American cultural experience which have been painted on the bridge's support columns.

Continuing south from the Coronado Bridge, Chollas Creek provides a visual break in the industrialized waterfront. Chollas Creek is an open flood channel flowing from east to west across the width of the community and emptying into San Diego Bay. The creek lies on the north side of Interstate 15 (formerly Wabash Boulevard) but is almost hidden from view by the parking lots to the north and by the presence of Navy property on both sides of the creek south of Main Street which restricts access west of Main Street to the bay. From the Main Street crossing of Chollas Creek there is a narrow open view down the flood channel but because the creek bends to the north a bay view is not available.

Navy property dominates the southern portion of the community and is marked by chain link fences topped by barbed wire. A golf course at the southwest corner of Main Street and 32nd Street is fenced off from the community. Disruptive visual barriers continue on either side of Harbor Drive through Navy property to the City limits and disruptive visual clutter marks the shoreline due to the navy piers which are a major ship repair center.

Most structures in the community are one to two story structures. Most residences are single-family homes of wood construction on small lots of 25 by 100 feet. Residences usually have a small front yard with grass and shrubs. Commercial structures are of two major types, storefront type commercial services and boxy warehouse type structures. Auto and metal recycling businesses are a major visual component in the community with their fencing of metal siding and trucks carrying metal parts parked on the street. Often junked cars are parked on the street in front of the recycling centers prior to dismantling within the metal recycling yards, and metal parts are often piled higher than the six foot fences, adding to the visual blight. Because of the predominant industrial zoning in the community there is no separation of major land uses and most blocks contain both residences and heavy commercial and industrial uses. The visual conflicts resulting from this land use pattern are an affront to normally accepted aesthetic standards.

# Community Topography



TOPOGRAPHIC CONTOURS, ELEVATION  
IN FEET ABOVE MEAN SEA LEVEL

SOURCE: U.S. Geological Survey

## BARRIO LOGAN HARBOR 101

## LANDFORM

The landform of the Barrio Logan Community is that of the low lying coastal plain, less than 60 feet in elevation. The shoreline is no longer the natural, marsh and tidal flat system having been completely modified by the piers and docks of the industrial and naval developments.

## Soils

The native soils in the area have been obliterated by urbanization and landfill which has occurred over the years. The Soil Conservation Service has, thus, labeled the soils "urban" and has not rated them for erodibility, stability, shrink-swell behavior or agricultural potential. Dredging of the shoreline of the plan area occurred in 1941, 1942, 1949; 1951, 1955, 1965 and 1964-66. Landfill of the shoreline of the plan area occurred in 1924, 1930, 1934, 1937, 1949 and 1955. Landfill in the Chollas Creek occurred in 1942. This activity does not include dredging prior to 1936 or landfill prior to 1914 and does not include dredging or filling after 1971. There are no construction-quality sands in the plan area.

## Geologic Structure

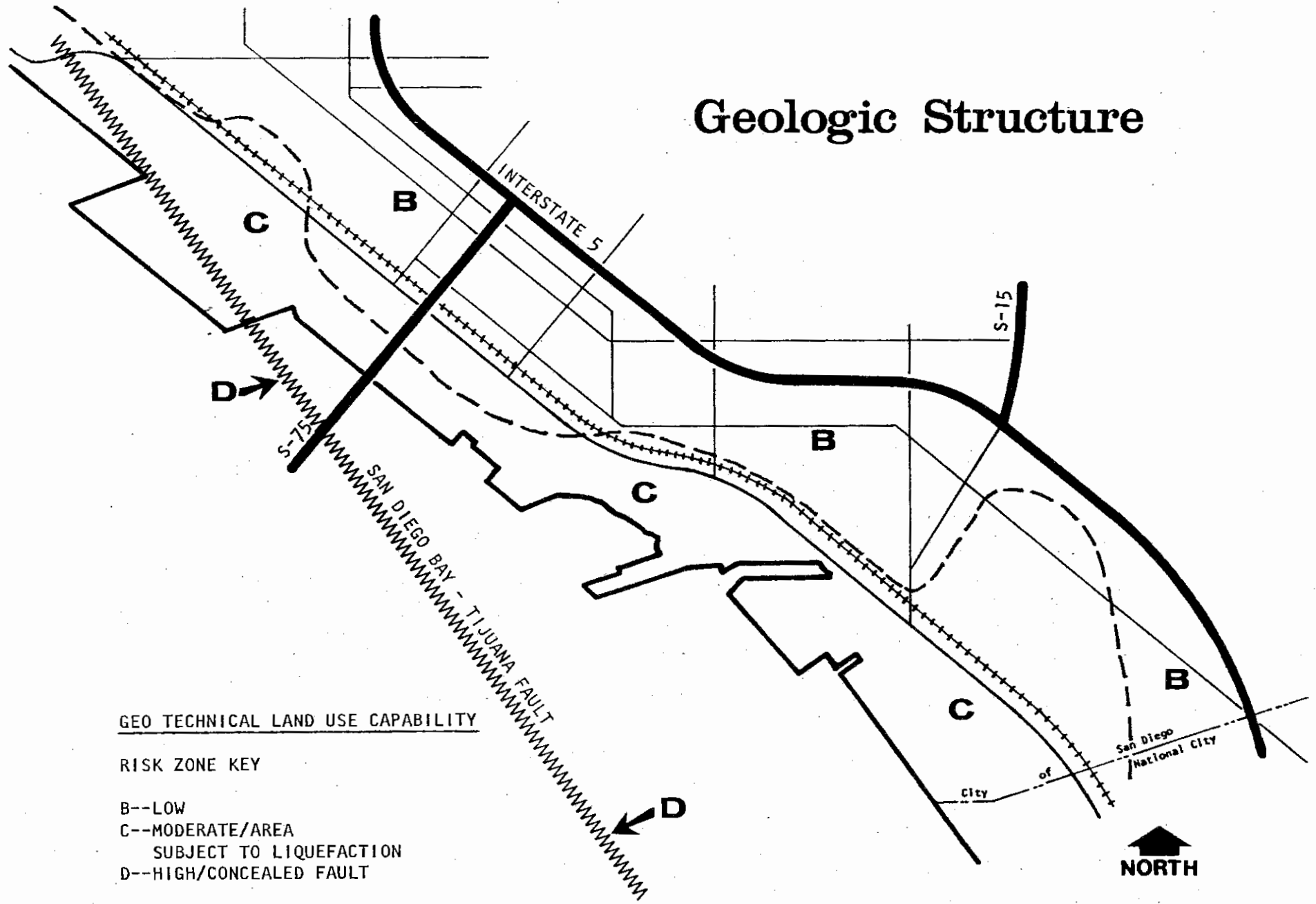
The geologic formation underlying the plan area, other than the artificial fill in the tidelands, is the Bay Point Formation. It is composed mostly of marine and onmarine, poorly consolidated, fine-and-medium-grained, pale brown, sandstone. These characteristics are indicative of a brackish water estuarine depositional environment and a late

Pleistocene age. No specific fossil localities, have been found in the plan area.

Geologic faults in the San Diego coastal area lie within a regional northwest striking right-lateral fault system. The most prominent fault along the coast is the Rose Canyon fault zone. This fault has been considered a southern extension of the Newport-Inglewood fault zone and northern extension of both the Los Buenos and the San Miguel faults. In 1964 three earthquakes of 3.5, 3.6 and 3.7 Richter magnitude occurred in San Diego with an epicenter in the middle of the central part of San Diego Bay, adjacent to the plan area. Some evidence indicates that the Rose Canyon Fault Zone extends south along the alignment of the San Diego Bay - Tijuana fault through San Diego Bay.

In addition to earthquakes originating in the San Diego area, the plan area could experience ground shaking from earthquakes whose epicenters are up to 100 km away. Because the Barrio Logan area is not subject to landslides or cliff collapse there is little chance that severe damage could occur from a distant earthquake; however, parts of the plan area are subject to liquefaction in the event of a strong local earthquake. Liquefaction refers to a process in which soil below the water table totally loses its strength and is converted to a fluid state. A particular location may have a greater or lesser potential for this hazard depending on the on-site soil density and soil type, the severity of shaking and the duration of shaking by an earthquake.

# Geologic Structure



## GEO TECHNICAL LAND USE CAPABILITY

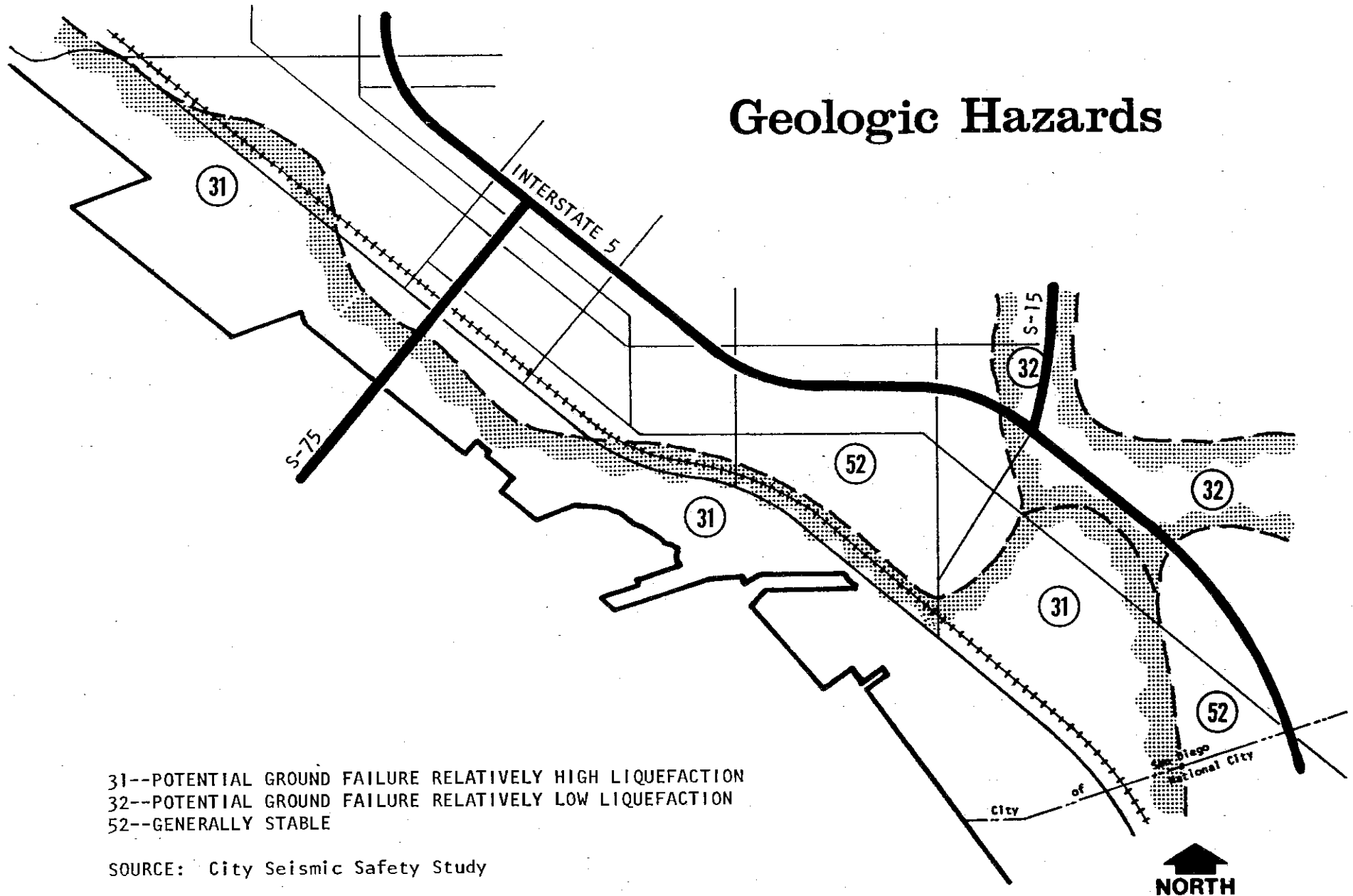
### RISK ZONE KEY

- B--LOW
- C--MODERATE/AREA  
SUBJECT TO LIQUEFACTION
- D--HIGH/CONCEALED FAULT

SOURCE: City Seismic Safety Study

# BARRIO LOGAN HARBOR 101

# Geologic Hazards



31--POTENTIAL GROUND FAILURE RELATIVELY HIGH LIQUEFACTION  
32--POTENTIAL GROUND FAILURE RELATIVELY LOW LIQUEFACTION  
52--GENERALLY STABLE

SOURCE: City Seismic Safety Study

## BARRIO LOGAN HARBOR 101

The locations prone to liquefaction in Barrio Logan can be seen on the accompanying map. They are south of Interstate 15 and west of Dalbergia Street to the bay, west of Harbor Drive between 16th Street and I-15 to the bay. These locations are assigned a "moderate" risk by the City's Seismic Safety Study; land uses that are "provisionally suitable" for these areas are industrial and minor commercial uses, residential, minor public structures and schools, churches and other places normally attracting concentrations of people. Uses which are "generally unsuitable" are large power generation facilities and intertie systems, hospitals, fire, police, and other emergency communication facilities, critical transportation elements, and important public utility centers. Suitable uses are agriculture, marinas, parks, open space and refuse disposal sites.

Based on the historic record, the San Diego Metropolitan Area, including the Barrio Logan Plan area, has experienced 11 to 15 earthquakes of an intensity of 6 to 8 from 1810 to 1971. Intensity 6 is felt by everyone indoors and by most people outdoors, minor damage occurs; intensity 7 is felt by everyone and causes moderate damage; intensity 8 causes people to be unable to stand and results in major damage.

#### Ocean Waves

The plan area is also vulnerable to tsunamis, great ocean waves generated by earthquakes. The hazard is relatively less severe than other coastal areas of the state due to the unique form of San Diego Bay, Point Loma and the Coronado Island-Silver

Strand land masses. These major landforms would absorb the initial effects of a tsunami. The State Resources Department indicates that the plan area should observe special caution during a tsunami alert and that the area should be cleared if flood tide and tsunami are coincident. No tsunamis have ever been reported for the San Diego coast. The Department of Commerce operates a Seismic Sea-Wave Warning System and can typically provide a 4-6 hour warning period.

## BIOLOGICAL RESOURCES

### Vegetation

Because the Barrio Logan planning area is intensely urbanized there are no native plants of value in the area. General landscaping is sparse and is found mainly in the front yards of private residences. Street trees are present along some streets but are not an abundant feature.

The shoreline is unvegetated and there are no marshes or estuaries due to the heavily industrialized bayfront. The entire bayfront consists of piers and docks; there are no riprap areas which might be available as intertidal habitat except at the entrance to the Chollas Creek concrete flood channel.

The State Water Resources Department has proposed that future beneficial uses of the bay include Saline Water Habitat for aquatic and wildlife resources and Marine Habitat which includes preservation and propagation of vegetation. The vegetation component of marine resources is important because it provides the basis for small forms of animal life which in turn become food for larger fishes. For example, a 1975 survey of marine resources around the SDG&E outfall for thermal discharge found the presence of a mat of algae and marine grasses cover a large portion of the shallow bottom areas.

### Wildlife

With the exception of bird life, native wildlife are unable to make use of the plan area due to lack of food and cover resources which have been removed by urbanization. The community is separated from vacant, undisturbed land inland by the Interstate 5 freeway. The nearest wildlife habitat is over three and a half miles east of the community where deer, coyote, and other mammals can be found in an isolated canyon. The nearest habitat for rare and endangered birds is about six miles south of the community in the South Bay marsh area.

About half of the 430 species of birds which reside in or pass through San Diego County on a regular or seasonal basis are found in the San Diego Bay area although not necessarily adjacent to the Barrio Logan Community. The bay and surrounding marshes and beaches are used for feeding, resting and nesting. Four of the bird species are on the United States Department of the Interior's list of endangered species and an additional five are thought to be rare and/or endangered by qualified ornithologists. The south bay is the richest wildlife area in the bay because that area is relatively undisturbed by industry, the salt evaporation ponds have created specialized habitats, and there is less pollution. The endangered species that inhabit or visit the bay

are the brown pelican, the clapper rail, the least tern and the peregrine falcon. The black rail is considered rare. These five species are protected by the Federal "Endangered Species Act of 1973". The following species are also considered to be rare: the Elegant tern, the Double-crested Cormorant, the black brant and Belding's savannah sparrow.

Because of greater development and past dumping of wastes the north and central bay areas suffered in degradation of biological habitats more than the south bay. These sections still receive the greater majority of the wastes discharged from ships and small craft and they suffer most from oil spills and other accidental waste discharges. Although the plan area has been exposed to degradation it is recovering rapidly because of the relatively high rates of tidal flushing.

The bay is a major and important spawning area for ocean fishes. In general the recently or frequently dredged areas contain fewer species of organisms than areas that have not been disturbed for two or three decades. The shoreline of the planning area has been one of frequent dredging due to the replacement and improvement of piers and docks used in shipbuilding, ship launching and cargo loading and unloading.

## HERITAGE RESOURCES

### Historic and Architectural Resources

Unfortunately, the historic resources of the Barrio Logan Community have not been researched as thoroughly as other areas of the City such as Old Town or Downtown. We do know that the area was settled soon after "New San Diego" was founded by Alonzo Horton and that many houses were moved from downtown to the Barrio when downtown became a center for commerce, government and industry.

Because of the large number of residences in Barrio-logan which date from the late 1800's it is highly probable that a number of these residences have historic potential. City staff have made preliminary survey of the community and have located about 46 structures which have architectural merit.

There are no city, state or federal designated historic sites within the community. A number of designated sites are located north of the community along the waterfront, in Centre City and in the residential areas east of Barrio Logan. The main reason that no sites have been designated is because no historical surveys have been performed. Nominations for historic sites must come from knowledgeable sources in the community because the City's Historic Site Board is not able to provide historic research.

## Archaeological Resources

Three recorded archaeological sites occur in the plan area. All of these sites are thought to have been destroyed due to urbanization but they are indicative of the prehistoric use of the plan area. In prehistoric times the bay shore was a marshy area rich in shellfish. The historic record identifies a village of Las Chollas which was located at the junction of Las Chollas Creek and South Chollas. Today this site is probably in the vicinity of Interstate 15 and Interstate 5 freeways. Other historically reported sites of Indian encampments were at 26th Street and National Avenue and at 16th Street and Imperial Avenue. These sites have also been lost due to development.

There is a remote possibility that archaeological resources may continue to exist below the foundations of homes and other buildings in the plan area, particularly buildings which were not constructed on a graded pad.

The cultural groups who were associated with the recorded archaeological sites have been identified as the "La Jollans" who lived in the San Diego region from 7,000 to 3,000 years ago. They subsisted mainly on fish, shellfish, and native vegetation supplemented by hunting. Their occupation sites along the coast are characterized by large quantities of broken shell and stone tools. The group is called "La Jollan" primarily because their major occupation sites and burial grounds are located in the area we now call La Jolla.

The cultural groups who were reported in the historic record to be living in the plan area are called the Kumeyai or Diegueno (after Mission San Diego). The culture of the Kumeyai evolved from a combination of the La Jollan group and a group which moved into the coastal areas from the desert about 3,000 years ago. The Kumeyai used both coastal and inland locations for their camps; they developed the knowledge of acorn processing using a grinding technique and were also fisherman. They hunted with the bow and arrow and had well-developed religious, economic and political systems. Upon Spanish contact and development of San Diego most of the Kumeyai moved permanently to inland villages and eventually were given reservation areas in the county by the federal government. A few groups of Kumeyai remained in the City as late as the 1890's.

## Brief Community History

For many years Barrio Logan has been one of the major Mexican-American residential communities in the city. Commercial business, youth centers, health care centers, restaurants and markets are all generally oriented toward the cultural preferences of the community's residents.

The area now called Barrio Logan was developed at the turn of the century as an extension of Logan Heights and the waterfront community south of downtown. Logan Heights was an upper middle class community which began in the Victorian era of architectural styles. As San Diego grew, Logan

Heights became a housing site for middle and lower income groups. Barrio Logan was developed as a middle-lower class neighborhood providing housing for workers of the waterfront industries. Early industries included fisheries, shipbuilding, lumber yards, storage areas and railroad yards.

A number of ethnic groups lived in Barrio-Logan over the years including orientals, various European-nationals and Mexican-Americans. The commercial center was originally found along Logan Avenue and the waterfront was used for recreation. A popular beach was once located at the site of the Coronado Bridge bayfront. In the early 1930's a community pier was built at the end of 28th Street under the Federal Works Progress Administration (WPA). The pier became a social center with restaurants, bars, music and nearby swimming areas.

World War II stimulated growth of the Navy and defense industries, particularly around San Diego Bay. This growth ended recreational use of the shoreline and eliminated much housing in Barrio Logan. After the war the shipbuilding industry, which was originally defense oriented, remained and expanded. In the late 1950's, Interstate 5 was planned, resulting in a tremendous disruption to the Logan Avenue commercial center and splitting the Chicano community on either side of the freeway. In the mid 1960's the Coronado Bay Bridge split the community into northern and southern halves. The bridge is elevated above ground level resulting in the placement of numerous large support columns through the community.

During the early 1970's the community began an effort to revitalize the cultural heritage of its Mexican-American residents by using the freeway columns as a show case for Mexican-American art. An array of murals celebrating various cultural, religious and political themes in vibrant colors are now a major community landmark and social gathering place marking Chicano Park.

# Environmental Impacts of Plan and Mitigating Measures

## AIR QUALITY

Air pollutant emissions from stationary industrial sources now present or from new development would be controlled through the plan's proposals to develop industrial parks through the application of the M-IP and M-IB Zones. These zones require that any air contaminant, including odors, shall not be permitted to emanate beyond the boundaries of the premises of the permitted use. Industrial businesses now scattered throughout the community would be encouraged to relocate into industrial parks or would be subjected to controls on air contaminants and other pollutants at their current location. Air contaminants being emitted from industries immediately adjacent to Barrio Logan but outside the jurisdiction of The City of San Diego would continue to be subject to controls through the APCD permit process as would existing and future new sources in Barrio Logan. The plan proposes to accept the repowering of one of the Silvergate boilers but would not support any additional repowering. The repowering proposal currently being processed will be subject to APCD controls to minimize projected air contaminants as far as is technologically feasible.

The plan would support a number of Regional Air Quality Strategies such as a community oriented bicycle route with connections to public transit, a fixed rail transit system serving high density development (in this case a high density employment area), and traffic flow improvement. In addition, by strengthening the commercial component of the community the plan would encourage the development of a self-contained, full-service community which

can minimize auto trips. Also, by accommodating industrial uses near rail lines and shipping lands the plan supports energy conserving industrial transport.

Although the plan cannot and does not alleviate existing air quality problems its proposals support a land use system which could reduce current and future air contaminants. Thus, the plan would have no significant adverse effects on air quality.

## WATER QUALITY

The plan's proposals would not directly affect water quality. No new uses or industries are proposed that would discharge effluent to San Diego Bay or the surface drainage systems. Any new development which might be located in the plan area would be subject to water quality review and controls. Therefore existing industries in the plan area (tuna canning and electrical power generation) which currently operate under a NPDES permit would not be affected by the plan's proposals.

The plan does propose access to the bayfront but does not propose water contact or non-water contact recreation in the bay. The plan suggests that further study be given to the potential uses of Chollas Creek for swimming, aquaculture or scientific research. Because Chollas Creek carries runoff from many miles upstream, the water in the creek in the Barrio Logan area may contain contaminants which would not be suitable for the

uses proposed in the plan without costly treatment. Future studies of the feasibility of the uses proposed in the plan should review the public health aspects of such uses, the amount of modification of the flood channel which would be required and the costs of the project in comparison to the benefits which would accrue to the public in general. The study of alternative uses of the creek should also include restoration of the creek as a native habitat for the rare and endangered birds which inhabit San Diego Bay.

Urban runoff flowing across the community could be improved by the plan's proposals for consolidation of industrial and commercial uses which aid in the containment of accidental spills of polluting substances. As residential uses increase in the community the contaminants in runoff would change and may constitute an improvement over existing conditions. Precise determination of the effects of this change cannot yet be accomplished.

Sediments carried by runoff are not expected to pose a significant water quality impact to San Diego Bay according to the latest Areawide Water Quality Management Plan report (1978). The plan would have no significant adverse effects on water quality.

#### NOISE QUALITY

Adverse noise levels from traffic and industry would be significantly reduced through plan proposals. The plan identifies separate traffic routes for automobiles and large and small trucks which would separate excessively loud traffic from

residential land uses. Specific routes between freeways and industrial areas are identified in the plan for use by large trucks. Alternative transportation modes are provided by the plan including bicycles, fixed-rail guideway, bus, and recreational transit. These alternatives should help reduce auto trips to work by employees of companies within the Port District and employees of the Naval Station.

Industrial sources of noise would be controlled through plan proposals to consolidate industrial uses into industrial parks. Application of M-IP and M-IB zoning in these parks carries the requirement that loud, unnecessary or unusual noise which endangers health, peace or safety of others may not emanate beyond the boundaries of the industrial park. Also, the separation of industrial and residential uses would reduce noise by increasing the distance between noise sources and sensitive uses. Architectural buffers are also proposed along Harbor Drive to achieve further noise reductions from industrial use west of Harbor Drive. Mounding of earth and landscaping are suggested for beautification as well as noise reduction along Interstate 5 where feasible.

The plan proposals would have no significant adverse effects on noise quality.

#### VISUAL QUALITY

Each element of the plan contains proposals which would improve visual quality. The Open Space and Parks Element identifies four major park improvement locales: 1) a naturalized linear park

along Chollas Creek, 2) expansion of the Lowell School site as a cultural center and multi-purpose sports field, 3) expansion of Chicano Park as an urban park and public assembly area, and 4) development of a commercial wharf and public plaza between Sun Harbor Cannery and the Tenth Avenue Terminal. The plan suggests that the Naval Station grant a public access easement along the Chollas Creek floodway to permit public use and beautification within the Naval Station. Major beautification programs are outlined for major street rights-of-way including freeways and Harbor Drive.

The Heritage Resources Element supports visual improvement through rehabilitation and reuse of historically and architecturally valuable buildings. The Housing Element proposes extensive rehabilitation of existing housing and five new development projects which would strengthen and restore the declining residential sector of the community.

The Commercial Element proposes rehabilitation and infilling to strengthen the existing commercial areas. The previously mentioned commercial development would add attractive uses such as restaurants and import goods shops while providing a view of the waterfront. The Industrial Element would provide the foundation for industrial parks with appropriate zoning controls which require complete landscaping to be approved as part of any new development. Areas identified for industrial rehabilitation are also targeted for improved landscaping and buffering from the Harbor Drive thoroughfare. Beautification of community

facilities such as the Silvergate power plant and Lowell Elementary School are suggested to be accomplished through addition of development controls and cooperation with responsible agencies. Transportation routes would be improved through widening major streets and narrowing local streets, segregating traffic, and creating parking structures.

The plan proposals would have no significant adverse effects on visual quality.

#### LANDFORM

Future development of the plan area in accordance with plan proposals would not require significant landform modification. The area would be subject to significant ground shaking if a severe earthquake occurred on the San Diego-Tijuana Fault; however, because the plan proposes low-rise development significant property damage is not likely. Although development is proposed in an area subject to liquefaction near Chollas Creek, safeguards such as surcharging for compaction of soils and landfill to raise elevations above flood levels would be required through the permit process. These measures would reduce the liquefaction hazard to an insignificant level. No critical uses are proposed in the areas prone to liquefaction. The plan proposals would have no significant adverse effects on landform.

## BIOLOGICAL RESOURCES

There are no significant biological resources in the plan area; however, a number of endangered and/or rare bird species frequent San Diego Bay on a regular or seasonal basis. In proposing further technical studies of Chollas Creek the possible rehabilitation of the Creek as a bird habitat should be considered. The plan provides an opportunity for an examination of this alternative. No other area within the community would be suitable for rehabilitation as a wildlife habitat. The plan would have no significant adverse effects on biological resources.

## HERITAGE RESOURCES

The Heritage Resources Element of the plan addresses the importance of protecting, preserving and rehabilitating where appropriate the archaeological, historical and architectural sites in the community. In order to accomplish this the plan proposes technical surveys of the area, adequate recordation of the sites identified and nomination of significant sites to the appropriate city, state and federal registers. In keeping with the concept of rehabilitation, architecturally valuable buildings could be rehabilitated for continued use as homes or commercial properties. Archaeological sites would be best protected through sample excavations if the sites are to be marked incorporated into community park and cultural centers. Displays of artifacts and prehistoric cultural exhibits are proposed to be included in cultural centers in the community. These suggestions would support community identity. The plan would not have significant adverse effects on heritage resources.

## URBAN SUPPORT SYSTEMS

The plan makes numerous proposals for improvements to urban support systems. Trash collection would be made more efficient through organization of land uses, separating commercial and industrial from residential. Lowell Elementary School would be redeveloped, modernized and expanded according to the plan proposals. This would provide improved facilities for the additional children generated by the housing proposals. Also a cultural and community center as part of the school complex would increase the efficient use of this public facility. Community park and recreational facilities would be expanded and services increased to meet the needs of the increased residential population. These proposals were also evaluated in the Visual Quality section of this report. The plan proposes the kind of park development which would fit the cultural background of the residents such as promenades along Chollas Creek, sports and playground areas open to the community, community mural art opportunities and public plazas in commercial centers.

Transportation proposals would alleviate many existing traffic conflicts and right-of-way maintenance problems. Streets which need to be widened or narrowed are identified according to the demand for through traffic or local traffic which they serve. The need for parking restrictions at peak hours on major streets is cited as a method of increasing the carrying capacity of existing streets. Local streets would be improved by narrowing and closing some cross streets to provide space for off-site residential parking, pedestrian walks and seating areas. The plan proposed a redevelopment study for development of a parking

system including selection of locations and number of cars to be accommodated for all types of activities. In the interim temporary parking structures are proposed for Harbor Drive to serve industrial workers. Specific Routes for large and small trucks are identified in the plan in order to alleviate traffic through the residential community. Other transit proposals to help reduce traffic and parking congestion are four transit terminals to serve the proposed MTDB fixed guideway, improvements to the bus routes, identification of bicycle routes with connections to other areas and a recreational transit system to link the waterfront mercado with the downtown Gaslamp District and Balboa Park. The plan's proposals would lead to improvement of urban support systems. There would be no significant adverse environmental effects on urban support systems as a result of the plan.

#### GROWTH INDUCEMENT

The plan proposals would result in the addition of 400 dwelling units, which would add approximately 1000 persons. Five new residential projects are proposed totaling 16.7 acres and four rehabilitation projects are identified on a total of 38.8 acres. Commercial development proposals involve one new commercial/industrial center as a joint Port District/City of San Diego agreement to be located north of the Coronado Bridge in both jurisdictions. This center could be a location for a new oceanic oriented industry. Other commercial proposals involve rehabilitation of existing uses along Logan Avenue and Main Street. Two new industrial developments are proposed in the plan,

one centered in the northern section east of the Tenth Avenue Terminal and another between 28th Street and the Coronado Bridge north of Harbor Drive. The former would be an industrial park and the latter would be an industrial office and warehouse center. The new mercado would be both a commercial and industrial center. These proposals support City efforts to intensify development in core areas and would maximize the expansion of coastal dependent industry in an area capable of serving industry with railroad and shipping access. Due to the amount of vacant and underutilized land in the plan area, expansion and infilling of residential, commercial and industrial uses can be accomplished without adverse pressures on adjoining communities. The regional guideway which is proposed to pass through the community will be a benefit to the large industrial and naval employment center which now exists and will be expanding in the future.

#### ENERGY CONSERVATION

The proposals put forth in the plan would not use energy in a wasteful manner. The increase in all major land uses would provide for a self-contained community with housing, commercial services and employment. This would be a major energy conserving factor. The "MTDB" guideway project, the joint state/local bikeway, the recreation transit loop and street improvements to alleviate traffic congestion would incrementally contribute to energy conservation by providing an alternative to excessive auto trips.



# Environmental Impact Report Findings

The following findings are recommended relative to the conclusions of the final Environmental Impact Report (EIR) for the proposed Barrio Logan/Harbor 101 Community Plan (EQD #78-03-42). These findings have been prepared pursuant to Title 14, Division 6, Chapter 3, Sections 15088 and 15089 of the California Administrative Code

## FINDINGS

- A. The Planning Commission, having reviewed and considered the information contained in the final Environmental Impact Report (EIR) of the proposed Barrio Logan/Harbor 101 Community Plan including its appendix and addendum, finds that changes or alterations due to impacts associated with the Plan are generally not required, or have been incorporated into the project to mitigate or avoid the significant environmental effects thereof, as identified in the final EIR. Specifically:

### Air Quality

Impact: The Plan proposes additional development through the more efficient use of the land. Because of this, additional traffic may be generated. Also, the plan-proposed growth of industrial activity will produce more air emissions. Comments have been received to the effect that a negative impact will be created by allowing the side-by-side development of residential and industrial uses.

Finding: As indicated in the EIR, air emissions from stationary industrial sources would be controlled through the plan proposals for strengthening zoning "external effects" through standards equivalent to the M-IB Zone. Impacts resulting from residential/industrial side-by-side development will also be protected by the application of M-IB zoning regulations controlling "external effects and buffers", thereby the existing situation will be considerably improved. Automobile related emission increases, resulting from growth projections in this plan area, will be minimized and mitigated by the use of other transportation modes, as proposed in the Plan.

### Noise

Impact: The existing continuing industrial development, as well as the proposal to maintain the housing use, would result in noise impacts on the residential development, due to industrial development and transportation.

Finding: As indicated in the Plan, adverse noise levels resulting from traffic and industry would be significantly reduced through plan proposals addressing "external effect controls" and buffer separations on the industrial development, and identifying through-truck-routes to avoid bisecting the residential sections of the community.

### Visual Quality

Impact: The Plan proposal for areas of continued residential/industrial mix use, are considered to affect and further detriment the overall visual quality of the community.

Finding: As indicated in the Plan, residential development will be regulated with decreased density over the development density possible under present zoning, and requirements for front yard, back yard and side yard setback will be established. The industrial development will be regulated by specific development controls in the area of "external effects", buffers and landscaping, and employee parking provisions. The Plan, in addition, required the organization of circulation modes into specific corridors, and the organization of employee parking areas, avoiding and changing the present haphazard conditions which have a blighting effect on the community as a whole. In addition, the Plan includes an urban design element designed to provide technical means to mitigate poor design relationships in the community and between otherwise conflicting land uses.

### Urban Support Systems

Impact: Comments have been received to the Plan's effect on industrial rail access to the community, and the potentially negative impacts on this very important industrial service due to the proposals in the Plan.

Findings: As discussed in the Plan, the proposals relative to rail access address a concern for better and more efficient use of the areas presently dedicated to such activity. Potential reductions in size would be contingent on the railroad area needs, specifically in support of Centre City industrial development which is undergoing a major change in land use to residential and commercial.

### Bay Access Concept

Impact: The Plan recommends the development of open space bay access as an extension of existing open space commitments in the community at Chicano Park. Comments have been received addressed to this subject and to the potential conflicts of this development proposal in terms of its effect on other jurisdictions, such as the Port District and the U.S. Navy, affecting safety, security, and much needed waterfront industrial sites.

Findings: As discussed in the Plan, the open space bay access proposal responds to community residents' aspirations, in an attempt to avoid further polarization of the issues related to this proposal, which has been in the mind of the community residents prior to the successful development of Chicano Park in 1970. The Plan recognizes that the actual implementation of such a project is dependent on the willingness of the Port District and the U.S. Navy to pursue it, and in the findings by the

California Coastal Commission that it is a worthwhile community objective. Conflicts of safety, security, and preemption of waterfront industry are specifically related to detailed designs for the area, and therefore to be worked out in that stage of the development process. The related issue of preemption of much needed industrial water oriented use, is not borne by the Plan recommendation, which acknowledges the need for water oriented industrial facilities in this area, and proposes their expansion.

#### Loss of Much Needed Waterfront Industry

Impact: The Plan recommends the continuation of residential development in an area presently zoned industrial, for the most part. This Plan recommendation is considered by some groups to preempt further industrial development, and therefore to impact negatively the area's unique qualities for this type of industrial development.

Findings: The Plan recommends continuation of residential use since this activity performs an important urban development social and economic function in this community. Its removal would create major hardships, physically, socially and economically. The Plan proposals would result in the rehabilitation of all the existing dwelling units, plus the potential development of the new units, would involve the commitment of an additional 16.7 acres to this use. This should be compared to the Plan's continuing industrial development in the

remaining 600+ acres, in addition to the U.S. Navy facility of approximately 300 acres.

- B. The Planning Commission, having reviewed and considered the information contained in the Environmental Impact Report, finds that the following changes or alterations which mitigate or avoid significant environmental effects on the project are within the responsibility and jurisdiction of another public agency.

Bay Access: Responsibility for developing and implementing bay access is primarily the responsibility of the San Diego Unified Port District, and the U.S. Navy as the government entities that have jurisdictional control on development in the areas affected. In addition, the California Coastal Commission is the agency that will review the Port and Navy Plans for those areas in relation to their conformance with the policies of the Coastal Act, and federal consistency respectively.

Air Quality: Responsibility for establishing and enforcing air quality standards for major industry rests with the Air Pollution Control Board through its permit process.

## SUMMARY AND CONCLUSIONS OF ENVIRONMENTAL IMPACT REPORT

The Environmental Quality Division has determined that the selected plan concept minimizes all adverse impacts with the exception of those related to the residential/industrial land use mix. In terms of the basic inherent conflicts between the two uses, these conflicts were better and more effectively minimized in the totally industrial and totally residential alternatives reviewed as part of the Plan and EIR evaluation studies. However, the proposed Plan is more feasible because of social, economic, and planning policy considerations particularly with respect to the compliance with the policies of the California Coastal Act of 1976. Implementation feasibility was also found simpler in the chosen plan than in the other alternatives evaluated.

Continued residential/industrial mix use: The Plan proposes continued residential and industrial use in a portion of the area. The Plan would continue these uses and allow their further development and growth, of one use to the expense of another, based on future economics. The Plan would result in major rehabilitation of the total community, and a general reduction of allowable individual residential development density over that possible at present time.

Mitigation: The major mitigation measures available to reduce the industry's impact on residential development quality relate to the establishment of property development controls on industrial development designed to produce a better quality environment, not only relative to adjoining

areas, but relative to its own internal development, and its environmental effects on employees. Development standards should stress controls on external effects, air pollution, noise, dust, fumes, etc. Proper development separation buffers, such as walls, landscaping and enclosures where necessary, and controls designed to provide employee parking, are also proposed.

These development standards affect new development, and would not immediately affect present untenable environmental conditions in this community. Therefore, as an additional mitigation the Plan should include development-standard compliance for existing uses and be pursued in a manner which is efficient and will not create a sudden economic strain on the businesses. This should be resolved in terms of "time" allowed for full compliance and economic incentives and funding availability for these uses based on investment, and ability to pay, and obtain a proper return on the investment.

### ALTERNATIVE PROJECTS

No Project: This alternative would involve the retention of existing zoning in the area, resulting in significant adverse environmental effects in the areas of air pollution, noise, floodplain development, heritage resources, energy conservation, visual quality, traffic congestion, parking conflicts, odors, and other safety hazards, because existing zoning regulations do not provide development controls to resolve most of the problems.

Industrial Redevelopment: This alternative envisions the full redevelopment of the area for water oriented uses, resulting in significant adverse impacts in the areas of heritage resources.

The major problem area in relation to this alternative's development resulted more from other urban development considerations than the Environmental Impact one.

Community Improvement Study: Envisioned some residential and some industrial and commercial development, with some mix use areas, the residential development proposed was of medium high density, resulted in adverse impacts in the areas of floodplain development, and heritage resources.

Residents Association Plan: This Plan was developed by the Residents Association Group, proposing major residential rehabilitation and new development, together with new cultural facilities and bay access. There were no major adverse environmental impacts found in relation to this Plan. Major problems to this alternative development resulted from other urban development considerations than environmental.

Residential/Industrial: This Plan proposed a comprehensive approach to transportation, and development of supportive community facilities to both the residential and industrial components of the Plan while emphasizing residential and industrial rehabilitation. There were no major adverse environmental impacts found in relation to this Plan. Generally speaking, this Plan takes into account elements proposed in the Industrial

Redevelopment Plan, the Community Improvement Study, and the Residents Association Plan. Other urban development considerations were reviewed, and are supportive of this alternative. This is the alternative that was further developed into the proposed Plan.

Navy Consolidation Plan: This alternative is based on the closure of Harbor Drive at 28th Street. Land use impacts of this action were evaluated, resulting in significant environmental impacts in the area's heritage resources, noise, traffic, congestion, parking conflicts and safety.

Navy Hospital Plan: This alternative evaluated the proposal that was made during the course of this study on locating the Navy Hospital in the community readily adjacent to the Naval Base. There were no major adverse impacts found in relation to this alternative. The viability of the alternative, however, was affected by social and economic considerations, and the unrealistic expectation that the Navy would be willing to locate its hospital in the area.

# **ELEMENTS OF THE PLAN**



# Plan Elements

The following Plan Elements establish specific Land Use, Transportation, and Environmental Quality proposals, together with an evaluation of the social and economic impacts resulting from those proposals.

The Elements of the Plan also include a Coastal Zone Element, which discusses the plan's relationship to the policies of Chapter 3 of the California Coastal Act of 1976. As a result of the Coastal Act analysis, the need for interagency coordination, access to the coast, and policies of general environment enhancement; proposals for Port District and Navy improvements have been considered as a part of this Plan. The recommendations affecting these two jurisdictions are specifically highlighted in the Special Areas Element of this Plan.

The Plan Elements are individually divided into an Existing Conditions Section, a Recommendations Section, and an Implementation Recommendations Section.

The elements of the Plan include the following:

## SOCIO-ECONOMIC ELEMENT

- Community Structure
- Education
- Employment
- Property Ownership

## LAND USE ELEMENT

- Residential
- Industrial
- Commercial
- Community Facilities
- Open Space

## TRANSPORTATION ELEMENT

- Automobile
- Parking
- Public Transit
- Bikeways
- Pedestrian Areas
- Commercial Transportation
- Recreational Transportation

## SAFETY ELEMENT

### ENVIRONMENTAL ELEMENT

- Environmental Quality
- Heritage Resources
- Urban Design

### COASTAL ZONE ELEMENT

- Public Access
- Recreation and Visitor Serving Facilities
- Housing
- Water and Marine Resources
- Diking, Dredging, Filling, Shoreline Structures
- Hazard Areas
- Location and Planning of New Development
- Visual Resources and Special Communities

### PUBLIC WORKS

- Industrial and Energy Facilities
- Summary of Key Issues and Recommendations

### SPECIAL AREAS ELEMENT

- San Diego Unified Port District
- United States Navy

# Socio-Economic Element

The Barrio Logan community can be characterized as an older community in transition, with a total residential population of 6,000 people, 2,400 people, mostly of Mexican ethnic origin, and 3,600 people living in the bachelor's quarters at the Naval Base. Of the Naval Base population, 200 are officers and 3,489 are enlisted personnel, making this population transient and young, while the population living outside of the Naval Base is a more heterogeneous age group, including both people who lived in the community for many years as well as people recently moved in. Educational attainment for the community's population for the most part, stops at the elementary school level but improves with the younger sector of the community. Income as a whole is in the low to medium economic ranges, although within the 50,000 jobs, mostly along the Port District's area, high technology and administrative jobs raise that median income. Many of the jobs, however, are in the blue collar and unskilled worker category with most of the Barrio Logan residents falling within this group.

This element is divided into four sub-elements made up of community structure, education, employment, and property ownership. The socio-economic inventory was tabulated based on information from census tracts 36, 38, 39, 50, 51 for the portions within the study area.



## COMMUNITY STRUCTURE

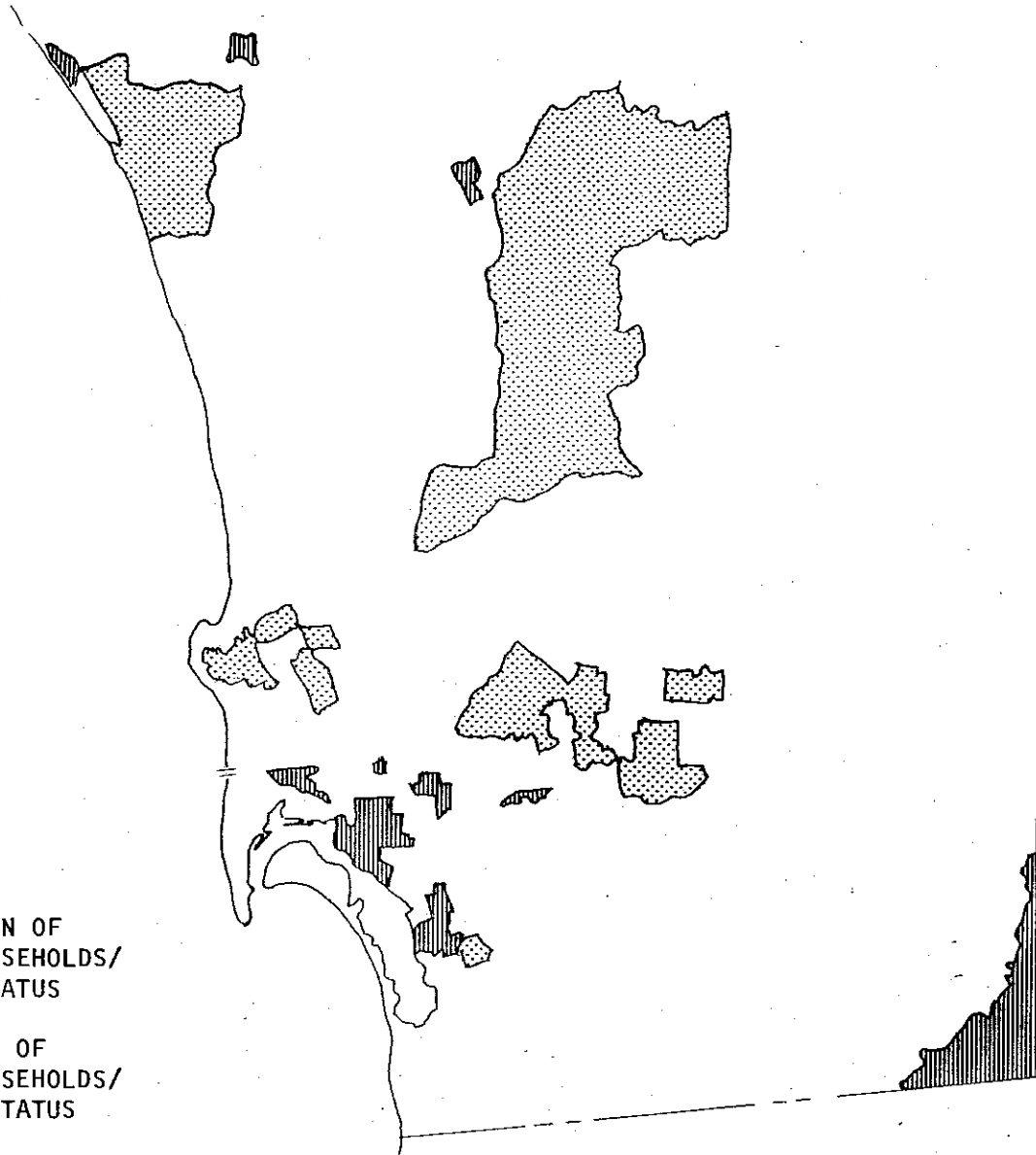
The community's structure and related social issues, can have a direct relationship to physical-economic considerations in specific urban development conditions. The County of San Diego, through the Human Services Department, worked on a "Social Deterioration Research Project". As part of that project, specific physical and economic indicators were identified which when combined, can establish a cause and effect relationship with social deteriorating trends in the community. Although the Barrio Logan community has some identifiable socio-economic problems, other indicators of social deterioration no longer exist or have been reversed.

Especially evident is the fact that there is no longer a lack of resident concern or lack of identity in the community. On the contrary, there is increasing resident interaction concerning community ideas. There is also a growing interest in community history and traditions, myths, and stories, which provide strong identity in a community. The developing features of Chicano Park, the Youth Center, and the Community Clinic, also provide community identity and focus. The major industries are also becoming conscious and concerned about the community of which it is a part. In many cases, opinions are voided by these industries related to the need to generally enhance the community and to work toward a common cause.

SOCIAL AREA ANALYSIS

HIGHEST & LOWEST TRACTS  
BY 1970 CENSUS TRACT

-  HIGHEST CONCENTRATION OF  
MINORITIES/SMALL HOUSEHOLDS/  
LOW SOCIOECONOMIC STATUS
-  LOWEST CONCENTRATION OF  
MINORITIES/LARGE HOUSEHOLDS/  
HIGH SOCIOECONOMIC STATUS



SOURCE: WESTERN BEHAVIORAL SCIENCES INSTITUTE

## EXISTING CONDITIONS

According to the "Social Deterioration Research Project", the physical and economic indicators predominant in the Barrio Logan/Harbor 101 community, as they affect the residents in particular, can be described under the following categories: Environmental and Land Use Indicators, Transportation Related Issues, Economic Viability, Community Cohesion, Public Safety, and Public Investments.

### Environmental and Land Use Indicators:

Issues specifically related to matters of land use updating, nonconforming uses, and that fact that land use decisions have not always kept up with the economics of the private market. Although Barrio Logan was in the past planned for industrial development, the economic viability was not there to implement such land use action. Other issues relate to general maintenance and upkeep of the community such as vacant lots, buildings in poor maintenance, abandoned commercial and industrial structures, slight pollution, missuse of vistas, poor development standards, lack of landscaping, sidewalks and lighting, and insensitivity towards historical and archaeological resouces. These are all problems resulting from the same lack of economic viability of planned development in the face of highly competitive areas in other parts of the City; together with the fact that Barrio Logan is an older community, developed under outdated development standards. The community is also in the process of transition to other uses, and not maintained to the best possible standards.

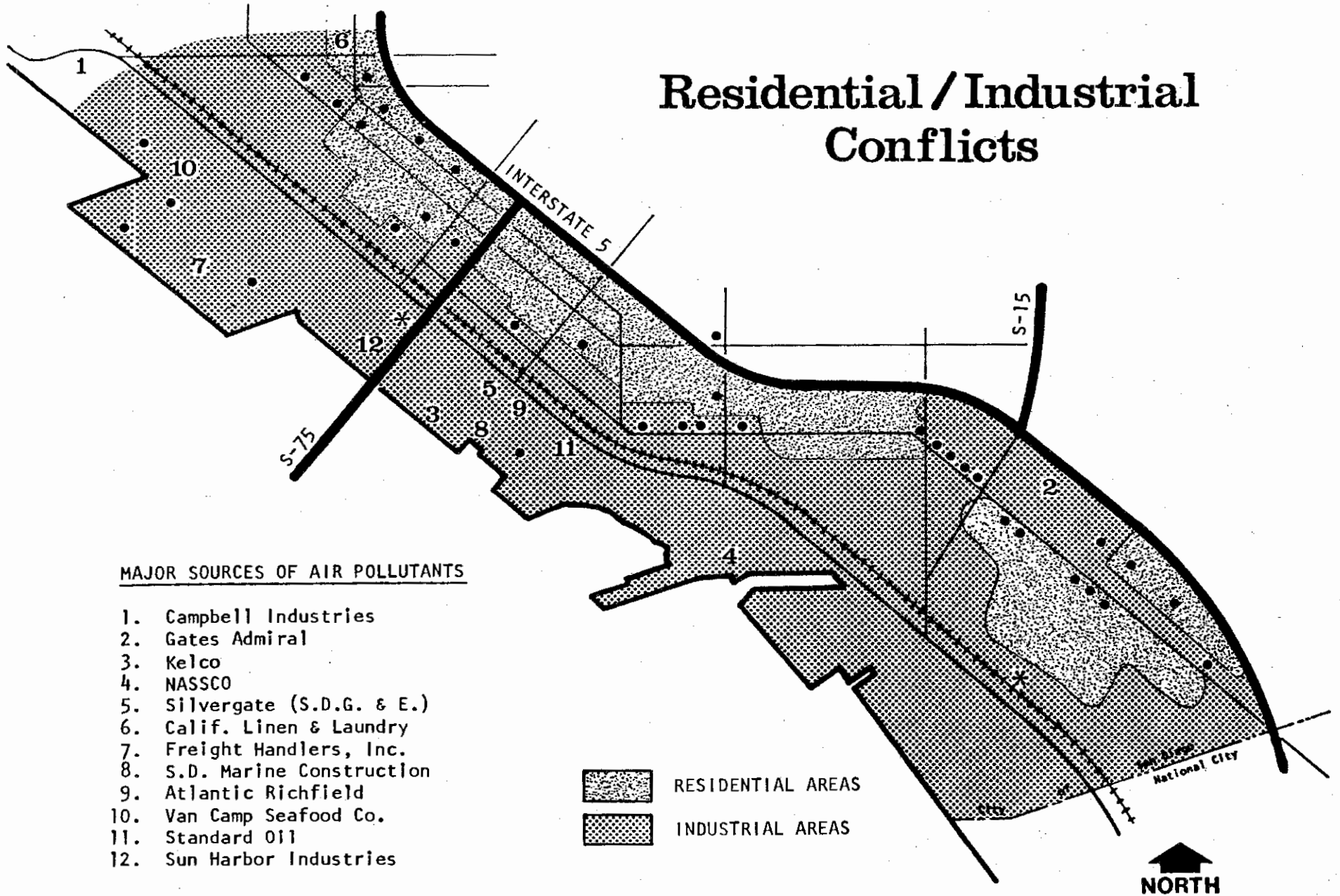
Additional problems identified relate solely to environmental pollution issues such as poor air quality, excessive noise, unpleasant odors, and water pollution - all reflective of newer development standards and expectations which were non-existent when the M-1 and M-2 Zones were originally applied in the community.

### Transportation Related Indicators:

The issues once again reflect the unrealized land use problem already covered in the previous statement. The lack of maintenance, and poor judgement in the past relative to transportation and land use actions which were not realized by the economic trends of the times. As a result, the existing problems of poor maintenance, poor design and overuse of the streets, parking and traffic congestion, abandoned autos in public streets, limited access to public recreation, cultural facilities and community resources, and freeway development, prevail.

The freeway development was a major action which under different economic and social development circumstances, would have been a major element towards the positive development of this community as an industrial center. It had however, a different effect. Without a strong economic force behind the development of industry, the construction of the freeway through the community had an immediate impact on the removal of approximately 1,200 housing units, resulting in a decrease in the residential area. The freeways

# Residential / Industrial Conflicts



## MAJOR SOURCES OF AIR POLLUTANTS

1. Campbell Industries
2. Gates Admiral
3. Kelco
4. NASSCO
5. Silvergate (S.D.G. & E.)
6. Calif. Linen & Laundry
7. Freight Handlers, Inc.
8. S.D. Marine Construction
9. Atlantic Richfield
10. Van Camp Seafood Co.
11. Standard Oil
12. Sun Harbor Industries

## MINOR SOURCES •

City Pump Stations \*

RESIDENTIAL AREAS  
INDUSTRIAL AREAS

**BARRIO LOGAN  
HARBOR 101**

also isolated the community's center of activity and major commercial area along Logan Avenue, which then resulted in lower property maintenance standards, and the subsequent urban decay. The effect on the human psyche was one of depression, fear, resentment and unhappiness. This is demonstrated by poor relations between residents and businesses, as well as the quantifiable loss of commercially viable business in the community, and the deep reservations the residents have towards public agency developments in the community.

#### Economic Viability:

Some economic actions, many of a speculative nature are at times counter to the goals of a community, particularly the residents. The County's report identifies the following;

There was undue pressure on the community by outside interests to develop business and industry not desired by the community, or detrimental to the community's stability and identity. These are uses that do not provide jobs in the community, provide inadequate services and goods, and do not maintain their properties adequately and in a manner considerate of the residents around them.

There are poor commercial business practices, involving such things as overcharging and selling lower quality products than stores in other areas.

Speculative private investments in the area, providing little improvement, and expecting large profits at the expense of community residents is another strong feature.

Erosion of the community tax base, and reclining practices by lending institutions follows, which discourage rehabilitation and general community improvement, further affecting the overall poor maintenance in the community.

Missuse and uncoordinated use of public funds with self defeating isolated economic development programs, result in missguided attempts by government agencies and community groups to "bandage" community problems, and are not the strong economic development force they should be.

In addition to these, there is an economic impact related to the general underuse of properties, particularly when compared with the present land values in the community, which average five to eight dollars per square foot, and increase with every sale. The property values by themselves reflect much higher and intensive uses than those that exist in the Barrio. At their lowest range, the community property values indicate that development should be labor intensive and high technology related industry, rather than the existing low intensity industry in the areas outside the Port.

#### Community Cohesion:

According to the same study, the lack of community cohesion is often caused by the lack of a community center, poor community environmental image, and the absence of major physical features providing identifiable boundaries and focal points. All of these conditions produce a community environment not conducive to close social interactions; this is

particularly evident in poor resident/business relations.

#### Public Safety:

Problems of vandalism and fear of crime, are reflected in physical features like watch dogs and fences. Other indicators are lack of sidewalks, unpaved alleys, unmarked street crossings and lack of traffic lights in dangerous areas, which provide an additional "social threat" in the community.

#### Public Investments:

In recent years, in recognition of the continuing residential uses in the community, there have been major public investments made in the community, in the form of public works and programs. Both Chicano Park, and the Senior Citizen Center were built, and social programs such as the Chicano Federation, the Youth Center, and the Community Clinic were started. Although highly effective, these programs are not reinforced with other necessary programs such as public maintenance of the area, beautification works, low interest loans for property improvement, code enforcement, and jobs in numbers and type that produce upward mobility.

#### RECOMMENDATIONS:

The Plan has a two fold purpose:

STRENGTHEN AND STABILIZE THE COMMUNITY'S PRESENT SOCIO-ECONOMIC MAKE UP AS A RESIDENTIAL COMMUNITY AND AS AN INDUSTRIAL CENTER FOR WATER ORIENTED INDUSTRY.

IMPROVE THE OVERALL COMMUNITY CHARACTER AND ECONOMIC RESOURCES BY INCREASING BOTH THE RESIDENTIAL POPULATION AND THE INDUSTRIAL RESOURCES.

These recommendations, translate into maintaining existing activities which are a major social and/or economic resource, where the human investment translates into an economic force for both industry and residents. The removal of either would cause great hardships to human lives and economic investment. As a result, this plan is a hybrid, which strives to allow land uses and urban activities which are typically considered conflictive, to remain side by side. This would be accomplished by land use controls and organization, designed to allow the existing activities to remain, and leave resettlement and relocation, for the most part, up to individual decision.

#### EXPAND THE BARRIO POPULATION.

Encourage the development of new housing in the area for low and moderate income families, both through private rehabilitation and through various housing assistance programs. An increase in residential population is needed to increase the economic viability of the community in terms of its ability to support a minimum level of commercial services.

#### IMPROVE BUSINESS-ECONOMIC STATUS.

Facilitate the improvement of the economic status of local business and encourage new businesses by increasing the market demand, through construction of additional new housing in the community.

A survey of employees, also indicated that a large number of nonresidents would also patronize such establishments. New business and industry, together with an expanded residential population will reinforce and create a substantial increase in commercial business opportunities in the community. The resulting higher and more intensive use will be more compatible economically with existing community property values.

#### REINFORCE EXISTING COMMUNITY IDENTIFICATION.

Strengthen existing community commercial and social service nodes, through environmental beautification, infilling, and improved access. Develop additional uses to complement the existing structure. Freeways and major industrial activity should be recognized as barriers, and be treated to

give the community a defined shape. The development of buffers should properly minimize existing hard edges.

The plan also recognizes existing and potential links, and proposes the proper development of these links in relation to surrounding communities and the waterfront, through development type, intensity, view corridors and landscaping.

#### ENCOURAGE THE FURTHER DEVELOPMENT OF LOCAL COMMUNITY SERVICES NOT ONLY FOR THE COMMUNITY'S BENEFIT BUT FOR THE LARGER METROPOLITAN AREA AS WELL.

Existing public facilities and services are to be maintained with the development of service nodes through design and development relationships. One service node would be the development of a major community Educational-Cultural Center. Other service nodes are proposed at Chicano Park relating to the park, the Senior Citizen Center, the Chicano Federation Service Center, and the Logan Avenue community commercial area. Another node would be established around the proposed new youth center facility.

#### MAKE A MORE EFFICIENT USE OF PUBLIC EXPENDITURES.

As of 1978, The City of San Diego primarily, invested approximately 6.0 million dollars in community facilities for the Barrio Logan/Harbor 101 area which include parks, services, the community clinic, etc. These facilities serve not only the 2,400 people residing in the Barrio, but also 6,000 people which live east of I-5. This

plan proposes that community services be expanded, linked and enhanced in order to serve not only the additional projected population growth of approximately 1,200 people, but also the industrial and Navy populations. Additional public investments recommended include, the Chicano Park extension, Educational-Cultural Center, Bay Access, and Chollas Creek, with other participating agencies.

## EDUCATION

### EXISTING CONDITIONS:

Educational attainment is a specially interesting aspect of the Barrio's social make up due mainly to the high percentage of primary and secondary school age population of the residential community (41 percent). There are already indications that more and more youth are attaining college degrees and returning to work and live in the Barrio, with the expectations of improving the quality of life in which they were raised.

### Elementary Education

The Barrio Logan community is within the San Diego Unified School District. Lowell Elementary School located within the study area provides elementary level education. Other elementary schools close to the Barrio are, Balboa, Burbank, Crocket and Logan. All these schools are presently experiencing a slow decline in enrollment but a rise in the percentage of students with Spanish surnames and/or language. the School District's desegregation policies will couple these schools with others of white majority students.

### Secondary Education

The secondary school age population (9-19 years old) of Barrio Logan is served by Memorial Junior High School and San Diego High School. Enrollment at Memorial is just above 1,000 students. The school site is 11.2 net acres.

San Diego High School is located at 12th and Russ Boulevard. The school has approximately 1,500 students on a site of 18.7 net acres.

Both schools have been reconstructed according to State and local policy which require earthquake resistant buildings and minimum window area openings. The resulting designs have caused wide distress in the Barrio community's attitude towards educational spaces.

#### Higher Education

San Diego City College, serves the Barrio community as an undergraduate college, and provides a wide variety of courses. The Southeast San Diego Educational-Cultural Complex, which is also part of the City College District, provides specialized courses near this community. Community colleges have a rented temporary skills center facility on Marcy Street near Barrio Logan, which serves predominantly the Mexican-American community. Within the current year, the Community Colleges District has expressed a desire to relocate in new quarters, perhaps within the Barrio Logan Educational-Cultural Center.

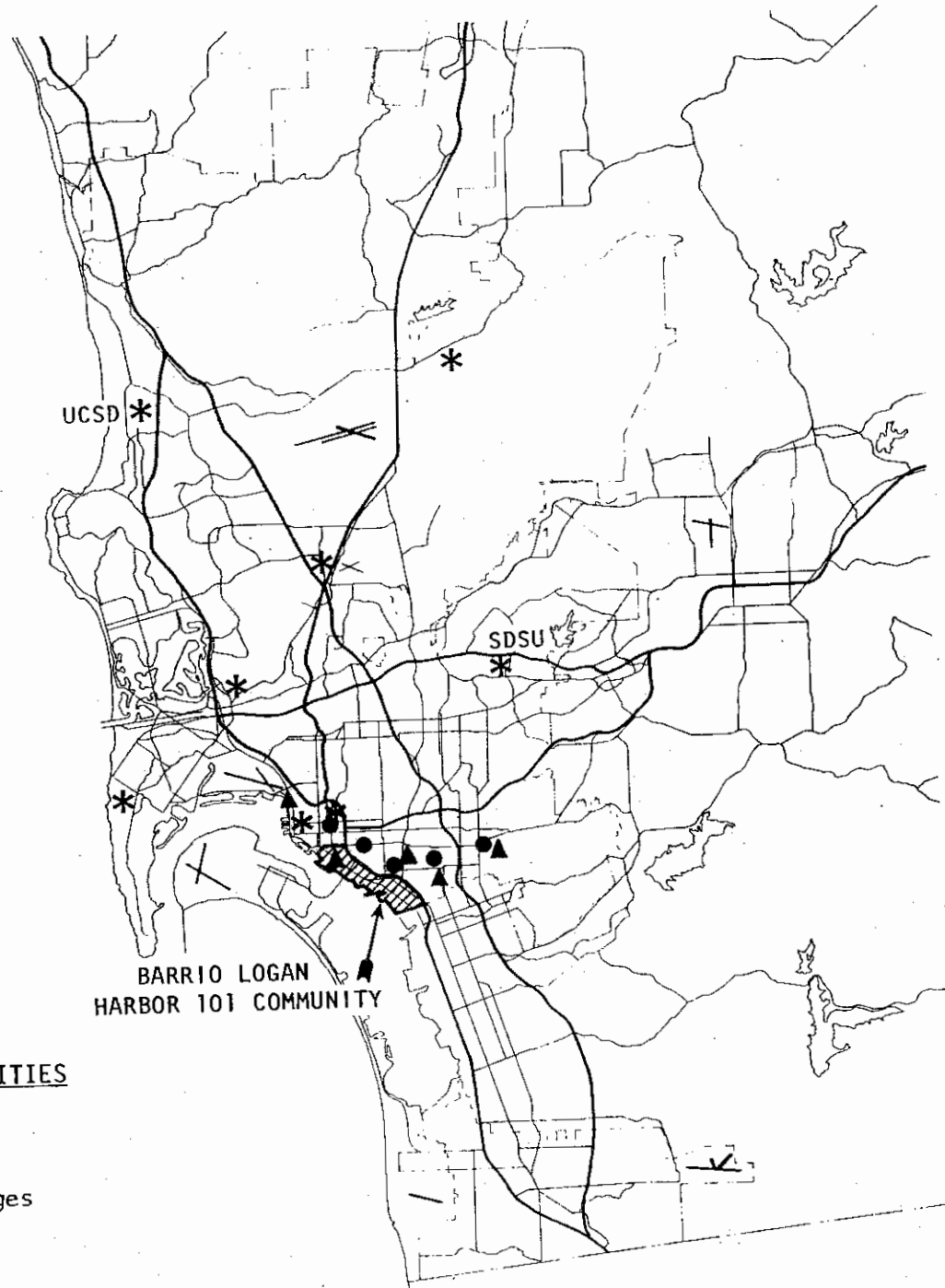
The San Diego community at large has two major publicly supported universities, the University of California at San Diego, and San Diego State University. Their location is somewhat removed from this community but good freeway accessibility is available.

#### Educational Attainment and Enrollment

General statistic figures indicate that the Barrio population, when compared to the City-wide figures have an attainment level of 1-8 years of schooling (elementary school level 69 percent). Thirteen percent of the population have had 9-11 years of schooling (junior high school level). Twenty-five percent of that population are high school graduates, and persons having college education make up four percent of the population. This statistic, however, is presently increasing.

Comparative studies, made of 12th grade students, were conducted by the San Diego City Schools Evaluation Services Department. Based on a 1972 study, the conclusions illustrate the attainment level that school enrollment has on the schools ranking city-wide. San Diego High School was tested; with 63.8 percent ethnic minority, compared with 24 percent city-wide. The pupils ranked 11th in a range of 1 to 12, in subjects tested, which included science, english, math and social science. The study shows the important role that educational preparedness plays in reaching higher educational attainment levels. This study seems to conclude that San Diego High School students do not seem to have been adequately prepared to compete in the educational system, nor to attain a college level education, as demonstrated by the test performance and results.

The potential relationship between students belonging to an ethnic group and their inability to attain a higher educational level is partially reflected on other peripheral considerations



MAJOR EDUCATIONAL FACILITIES

- ▲ Elementary School
- Secondary School
- \* Universities & Colleges

relative to language, community environment, previous educational experience, cultural differences, inadequate advisors in the school system, misplaced curriculum emphasis, and poor school environmental conditions. In the Barrio Logan area the elementary school is surrounded by junkyards, subject to noise and with poor building construction due to the nature of its temporary buildings. Other social and physical conditions are lack of libraries, isolation, poor transportation and access to the major cultural and recreational centers in the community, all important factors related to educational deficiencies of the community.

#### RECOMMENDATION:

EXPAND THE EDUCATIONAL OPPORTUNITIES BY CREATING A MULTI-PURPOSE AND ENLIGHTENED ENVIRONMENT FOR EDUCATION, WHICH INTEGRATES EFFORTS OF EDUCATORS, STUDENTS, RESIDENTS, AND LOCAL INDUSTRIES.

The plan proposes the rehabilitation, and reconstruction of the existing educational facilities at the Lowell Elementary school site. In addition the plan proposes the development and relocation of community colleges facilities which serve this community and its immediate surroundings into a multi-purpose education-cultural center facility. Cultural activities could also be undertaken under the sponsorship of local museums and universities, particularly in relation to the archaeological heritage preservation and cultural-ethnic activities in the community. It is expected that these actions will become a focus for expanded educational opportunities in the community with more of the youth being able to continue to higher education and professional and technical career opportunities. The location, and further definition of this concept is included in the Land Use-Public Facilities Section of this plan.

## EMPLOYMENT

### EXISTING CONDITIONS:

The Barrio Logan/Harbor 101 area is one of the largest employment centers in San Diego with 50,000 jobs concentrated mostly along the Port District Tidelands on the waterfront. The Navy industrial complex should also be taken into consideration, employing 12,000 permanent workers. At times this number increases to 40,900 people of which 36,000 are military and 4,900 are civilian jobs. The make up of the work force is six percent white collar and 87 percent blue collar with seven percent unskilled workers.

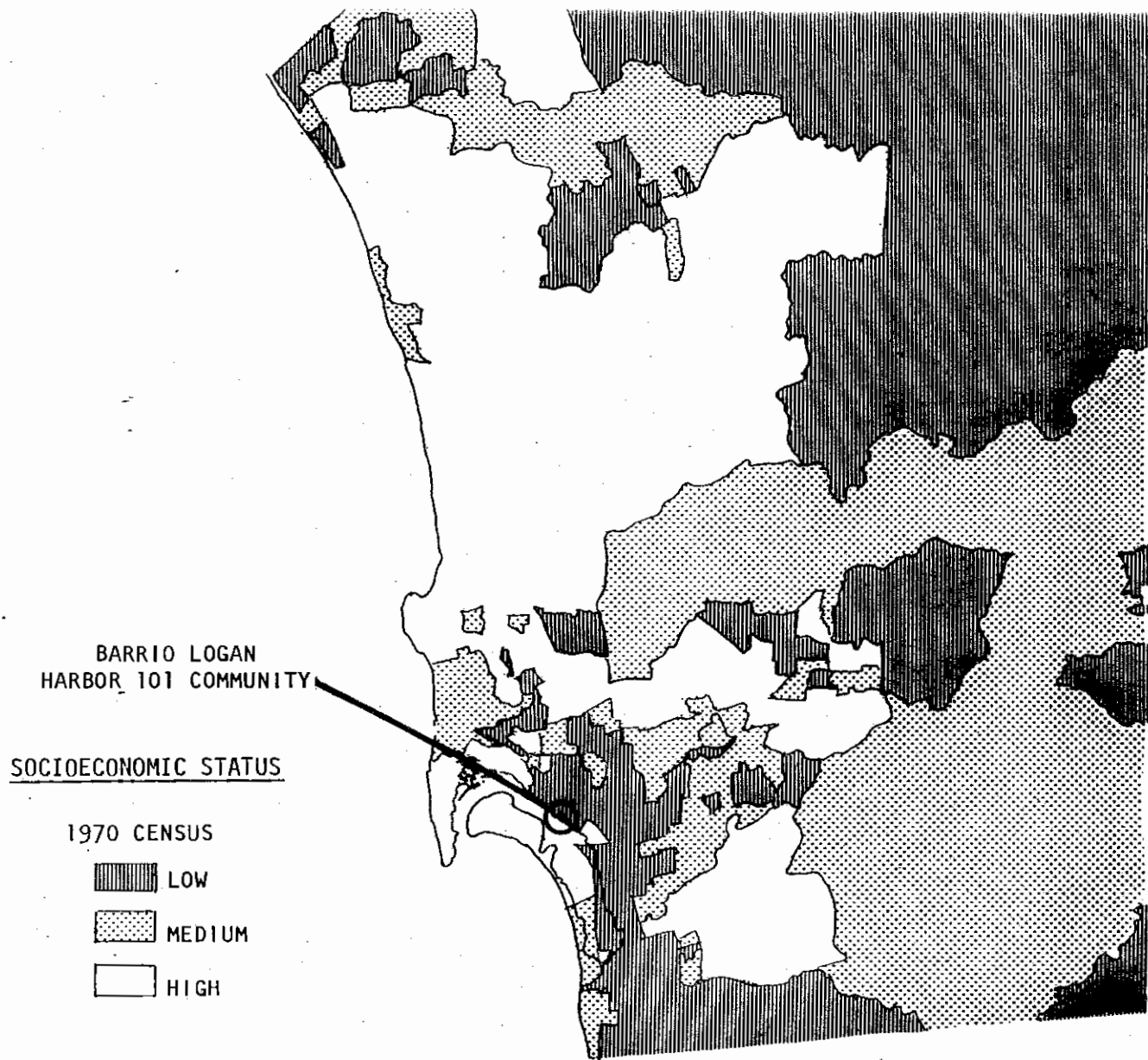
One of the more significant social-economic factors in Barrio Logan is the large population of non-skilled and semi-skilled workers. White collar workers, which include professional, technical, managers and sales people, make up 17 percent of the job force in the area, contrasted with a high city-wide 43 percent. Blue collar workers, which include craftsmen, operators, and service workers, account for 70 percent of the jobs compared with 24 percent on a city-wide basis. Unskilled workers, farmworkers, and private household service, represent 13 percent of the work force while the City's average is four percent. Jobs held by Barrio Logan residents are predominantly in the unskilled and semi-skilled categories. The relationship between educational attainment and job attainment in the Barrio Logan/Harbor 101 community is a determining factor in the community's median income, which is considerably below that of The City of San Diego

### Community Employment Centers:

Centers of employment in the Barrio Logan are scattered throughout the community employing from one to two persons to 1,000 and over. There are two centers of very high employment concentrated between Main Street and San Diego Bay, and 32nd Street Naval Station and U.S. Steel and Ship Building. North of these two centers and located on the tidelands, are marine oriented and transportation activities which provide high to medium-high employment. These activities are fish canneries, marine research, the railroad companies and the 10th Avenue Terminal. The industrial activities located along the waterfront are representative of regional employment centers and are heavily oriented towards the commuting employee.

In the remainder of the Barrio, between Main Street and the I-5, there are a number of commercial/industrial activities which represent low employment, but when taken together they make up a significant source of employment. These commercial activities employ local residents, and some are owned and operated by persons who reside in the Barrio.

A relative high percentage (25 percent) of the Barrio labor force walks to work, even though the community is not pedestrian oriented. This indicates that many of these employees work near their homes. Further studies and community interviews undertaken as part of the Consultant Improvement Study showed a high percentage of home-work occupations in the community which could be classified as handicraft activities.



SOURCE: WESTERN BEHAVIORAL SCIENCES INSTITUTE

### Income Distribution:

The income level of families is an important factor in the description of the population characteristics of a community. Changes in the income levels of families within an area serve as indicators of mobility as well as changing forces in the general makeup of the community.

Income level figures in the census, indicate that Barrio Logan is a low income community when compared with the rest of the City. Census data, show that 38 percent of the families have an annual income of \$5,000 to \$10,000. Of these, 23 percent are below the poverty level. There is also an exceptionally high percentage of families (52 percent) in the low/middle income.

### RECOMMENDATIONS:

PROVIDE EXPANDED JOB OPPORTUNITIES IN THE COMMUNITY.

Provide additional land area for industrial expansion. This expansion, together with potential new industry development, should provide new jobs and new job categories and training possibilities in the community. The maintenance of the rather substantial existing industry should be encouraged under improved physical development conditions, with proposals for mix uses in the residential portions of the community as well as the clustering of industrial development outside of the designated residential areas. It is the intent of this plan to maintain the existing productive industries, particularly the waterfront industry. More specific industrial development proposals are included in the Land Use-Industrial Element of this plan.

The industrial development proposals included in this plan would have the effect of establishing more jobs, and therefore more job opportunities. The jobs should be of a high technology nature, providing opportunities for higher paid employment and job upward mobility. These proposals could imply a substantial job expansion opportunity, by as much as 10-20 percent increase over present employment.

#### ESTABLISH A COORDINATED JOB TRAINING CENTER.

This plan recommends that as part of the Educational-Cultural Center development and in conjunction with both Community Colleges and local industry, job training programs be developed in the community. This can be accomplished through the development of a Community Colleges facility and a new industrial center complex. The Community Colleges has expressed interest in this concept, and it is presently attempting to secure land for all educational facilities within the general area of the proposed Educational Cultural Center.

#### MAINTAIN AND EXPAND THE LOCAL OWNER-INDUSTRIAL DEVELOPMENT POTENTIAL.

Taking advantage of some conditions already existing in the community, it should be possible to provide development incentives for small industrial crafts, especially for water oriented industry, in small parcels, and as part of the development near the waterfront.

#### ESTABLISH MORE EFFICIENT ECONOMIC UNITS OF INDUSTRIAL DEVELOPMENT.

Rehabilitation and expansion of industry as described in the Land-Use Industrial Element of this plan are recommended. The resulting industrial development will be more efficient and intensive. With a projected expansion equal to 1/3 of the present capacity, or 3,000,000 square feet, the regional benefit from other related business would result in 3,659,040 square feet. This would generate an additional \$6,525,288 into the region's

economy, and an increased tax base in the Barrio Logan community of \$609,840 per annum. The new Industrial Park alone, would result in 1,568,160 square feet and \$31,363,200 additional industrial building development value. (Construction costs are valued at \$20.00 per square foot, resulting in an increase of \$313,632 annually to the tax base.)

#### REINFORCE AND EXPAND COMMUNITY BUSINESS.

Additional development resulting from commercial services that serve protected residential and industrial expansions would be equivalent to a 1/3 increase over the present development, an additional 130,680 square feet. New development would include up to an additional 100,000 square feet of development area. These figures if realized, would bring the total new community business development to 230,680 square feet with a total construction value of approximately \$4,613,600 (1977 dollars).

#### EXPAND THE TAX BASE AND COMMUNITY PURCHASING POWER.

The residential and commercial and industrial development will translate itself into a \$1,152,280 annual expanded tax base in the Barrio Logan community. The combination of these land use actions, will result in a potential community purchasing power increase to \$18,000,000, a result of adding 1,200 residents and 4,000 new employees, with an overall regional effect of \$38,500,000. This accounts for the fact that the new Industrial Park could generate 2,000 jobs at an average annual salary per person of \$12,000. An additional 2,000 jobs could result from the other industrial/

commercial development recommendations generating an equal amount of moneys in salaries. Totally, these figures translate into \$115,000,000 infussion into the region's economy, and \$53,000,000 into the Barrio Logan/Harbor 101 community.

#### PROPERTY OWNERSHIP

##### EXISTING CONDITIONS:

A study was made of ownerships in general in the Barrio Logan area. Of the total 914 net acres (not including public rights-of-way) 15 percent are owned by private individuals (134), 17 percent are owned by corporations (160 acres including the lands owned by the railroad), 34 percent are owned by the various governments (approximately 308 acres) mainly the U.S. Navy, and 34 percent are owned by the Unified Port District (312 acres).

The private and corporated ownerships can be further broken down by owners living within the study area, and living outside. Of the 134 acres owned by private individuals 40 percent (53 acres) are owned by Barrio residents, while the remaining 60 percent (81 acres) are owned by nonresidents. Incorporated ownership account for 160 acres, six percent (10 acres) are commercial establishments, while 94 percent (150 acres) are noncommercial, industrial establishments.

Excluding the Unified Port District, which owns 312 acres, 308 additional acres are owned by different government agencies in the Barrio Logan (34 percent of the land area), and which includes 13 acres (four percent) owned by The City of San Diego and 0.4 acres (0.1 percent) owned by the State of California. San Diego Unified School District owns nine acres (2.9 percent) and the U.S. Government owns approximately 286 acres (93 percent).

The residential community has 978 housing units, a drop of 867 since 1960, and a consequent loss of population of almost 2,000 people. This loss was primarily the result of freeway development. Presently, for the whole area, 45 percent of the housing units are owner occupied, 54 percent are rented and one percent of the units are not used for housing but for commercial and industrial uses. The housing is totally low income.

Generally, the property values in the Barrio community are low. Average property values (land plus improvements) run at an average of \$7.00/square foot. These property values are generally low to average for residential and commercial development which has generally higher average values in the remainder of The City of San Diego (\$15.0/square foot average). These values, however, are considered too high for industrial development, which should economically not exceed \$3.0 to \$4.0 per square foot.

This has been one of the major reasons why substantial industrial development has not taken place in the community. Instead residential development has continued, and most new development has been commercial warehousing, and miscellaneous storage. These uses require little capital investment and do not require the consolidation of large sites which are difficult to obtain privately in an already developed community with high property values such as this one.

#### RECOMMENDATIONS:

##### EXPAND HOME OWNERSHIP OPPORTUNITIES.

The plan includes proposals designated to protect, rehabilitate and develop, low and moderate income housing. This would be possible because of the present property values, and the existing small lot subdivision pattern which together with low interest loans made available through the various city, state and federal programs will make this development a real possibility. In addition, this type of housing need exists city-wide. As a result, it is expected that present home ownership of residential units in the Barrio, will be increased due to rehabilitation proposals by 15 percent. It is also expected that the new housing will be 60 percent owner resident, following closer to City-wide averages. This will result in a new increase in home ownership in the community of approximately 60 percent.

##### PROVIDE DEVELOPMENT OPPORTUNITIES FOR LOW AND MODERATE INCOME HOUSING.

Projected values of residential development could maintain their present low and moderate income levels, even if rehabilitation and new buildings developments take place. The community's land and improvement costs are still relatively moderate for marketable residential development, putting the projected values of existing rehabilitated and new

housing in the 30,000 to 40,000 dollar value, which at today's prices qualify for low and moderate income housing. The projections indicate that this type of development would, for the most part, be able to be privately financed.

**MAXIMIZE ECONOMIC OPPORTUNITIES FOR THE DEVELOPMENT OF HIGH EMPLOYMENT INDUSTRIES.**

Based on present property values low employment industries when required to make some site improvements will not be able to develop efficiently. With careful consideration of industrial area siting, types of industries, accessibility qualities, and resolution of parking needs in an efficient fashion, high employment industries can thus locate in land areas costing up to \$4.0 or \$5.0 per square foot. Commercial development can locate in land values of \$8.0/square foot or higher depending on the specific activity and sales volume. The land use portion of this plan has taken into consideration these values in the location proposals for the different land uses, as well as in the specific proposals relative to the types of activities envisioned.

# Land Use Element

The Land Use Element of this plan, will provide some specific answers to the Socio-Economic Element of this plan, particularly in relation to residential, industrial, and public facilities. The elements are organized in order of importance to the development of this community plan, therefore, the Residential, Industrial, and Commercial Elements are first, followed by the Community Facilities and Open Space Elements.

Each Land Use element is divided into an Existing Conditions Section, Plan Recommendations, and Implementation Recommendations containing key actions for the implementation of this plan.

## RESIDENTIAL

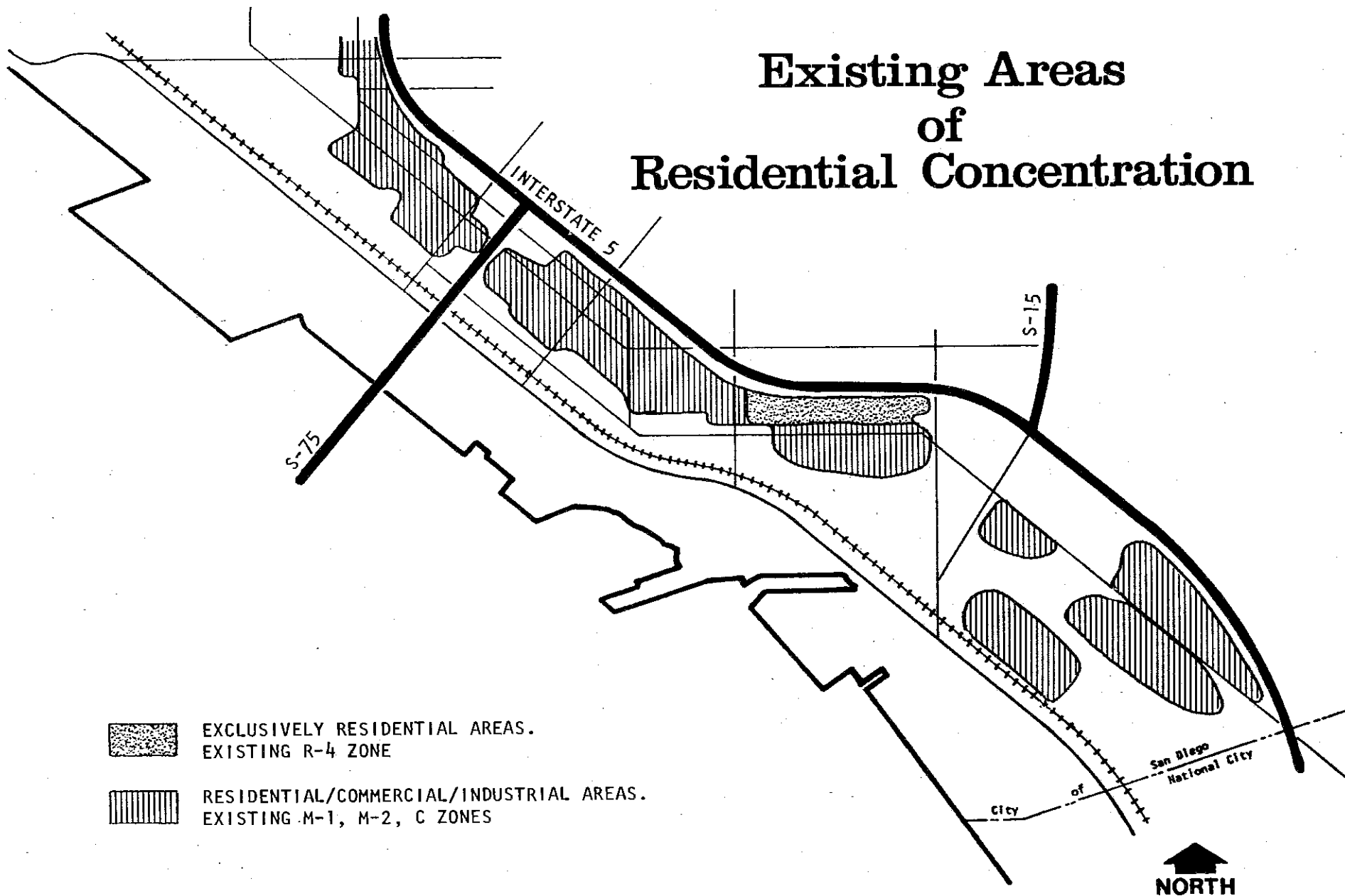
### EXISTING CONDITIONS

With the exception of a small area along Boston Avenue between 28th and 32nd Avenues, there is no exclusively residential zoning in the study area. In the 1930's this bayfront residential community was zoned for for industrial uses, the reasons for which are now uncertain. The M-1 and M-2 Zones applied to the community since that time allow residential, commercial and industrial development, but very few residential units have been constructed since the zoning was applied.

In the late 1950's the early 1960's Interstate 5 was constructed and many residents were displaced. The Barrio Logan area became separated from the Logan Heights area. The construction of the San Diego-Coronado Bay Bridge in the late 1960's further severed the community, this coupled with the impact of Interstate 5 caused the residential population of Barrio Logan to be halved.

The old residential community is made up of small lots with one and two small houses in each lot. The residential development at time includes some commercial and home industrial facilities in the same lot where the houses are situated. The commercial area extends along Logan and National Avenues, is presently made up of small stores, family grocery stores, and restaurants. The scale of the development is small, one and two-story. The residential areas for the most part are well kept and landscaped. The most visually disruptive element being the poor quality of the unpaved

# Existing Areas of Residential Concentration



**BARRIO LOGAN  
HARBOR 101**

alleys, unkept streets, and the clutter generated by some surrounding industrial uses.

Research has indicated, contrary to the generally accepted opinion, that a significant number of community residents (approximately 50 percent) own their homes. Length of residency is unordinately high and probably higher than in most other communities in San Diego. Approximately 40 percent of all residents have lived in Barrio Logan for 15 years or more. The relative degree of maintenance and repair is very good with 40 percent of all residential structures classified as in "good condition" by a Housing Condition Survey; an additional 45 percent need minor repairs. Those that are maintained (40 percent) have done so with very little outside financial assistance.

Because of the very slow acquisition rate by industrial and commercial firms, caused in part by the subdivision of the area into 25 foot wide lots, most of the deteriorating houses have remained and continue to be rented by families in the area. Most of the houses are over 50 years old, and because of their age, some maintenance is required. Some families, especially the elderly on fixed incomes, do not have sufficient income to pay for needed repairs and general upkeep.

This combination of factors has made it practically impossible for owners to obtain financing for improvements or new construction. It is unclear whether this is a result of unofficial "red-lining" for the lack of exclusively residential zoning. Governmental housing rehabilitation loan programs are not available in Barrio Logan because of the

lack of exclusively residential zoning. Many residents interviewed and surveyed expressed a desire to build a new home on their property, but lack of financing practically prohibits new construction.

## RECOMMENDATIONS:

### RETAIN AND ENHANCE THE RESIDENTIAL ENVIRONMENT OF THE COMMUNITY.

The plan proposes to establish a housing development area designed to compliment the existing housing areas by providing identifiable residential units together with the development of land use controls the existing low and moderate income housing will be protected. Also, additional investments in new housing in the area will be encouraged.

The plan proposes the rehabilitation of existing housing with infilling housing developments undertaken on an individual parcel by parcel basis as feasible, as well as potential new housing projects with residential densities ranging from 14 to 29 dwelling units per acre.

The total residential populations expected to result from these proposals would include approximately 400 new housing units with a probable population of 1,200 people, which would be in addition to the existing 2,400 residents and 4,000 Navy lodgers.

### ESTABLISH A HOUSING REHABILITATION PROGRAM IN THE COMMUNITY.

The Plan proposes that a paint up/fix up program be conducted to make minor but immediate improvements to housing and commercial structures within the community, possibly through a program that utilizes Barrio Logan community agencies and residents.

This program could be funded through state and federal funding sources available for those purposes. This program has been undertaken, in a limited fashion, sponsored by the Chicano Federation with some government funding and voluntary sources.

### PROVIDE EXPANDED HOUSING DEVELOPMENT OPPORTUNITIES IN THE COMMUNITY.

The Plan proposes the establishment of ways by which new housing units can be built in already established housing areas. It recommends housing infill in some areas using vacant lots, excess street areas, unneeded parking lot areas, and housing intensification in the rear lots of existing developed areas. Much of these proposed actions are dependent on the successful resolution of the transportation and parking recommendations of this Plan.

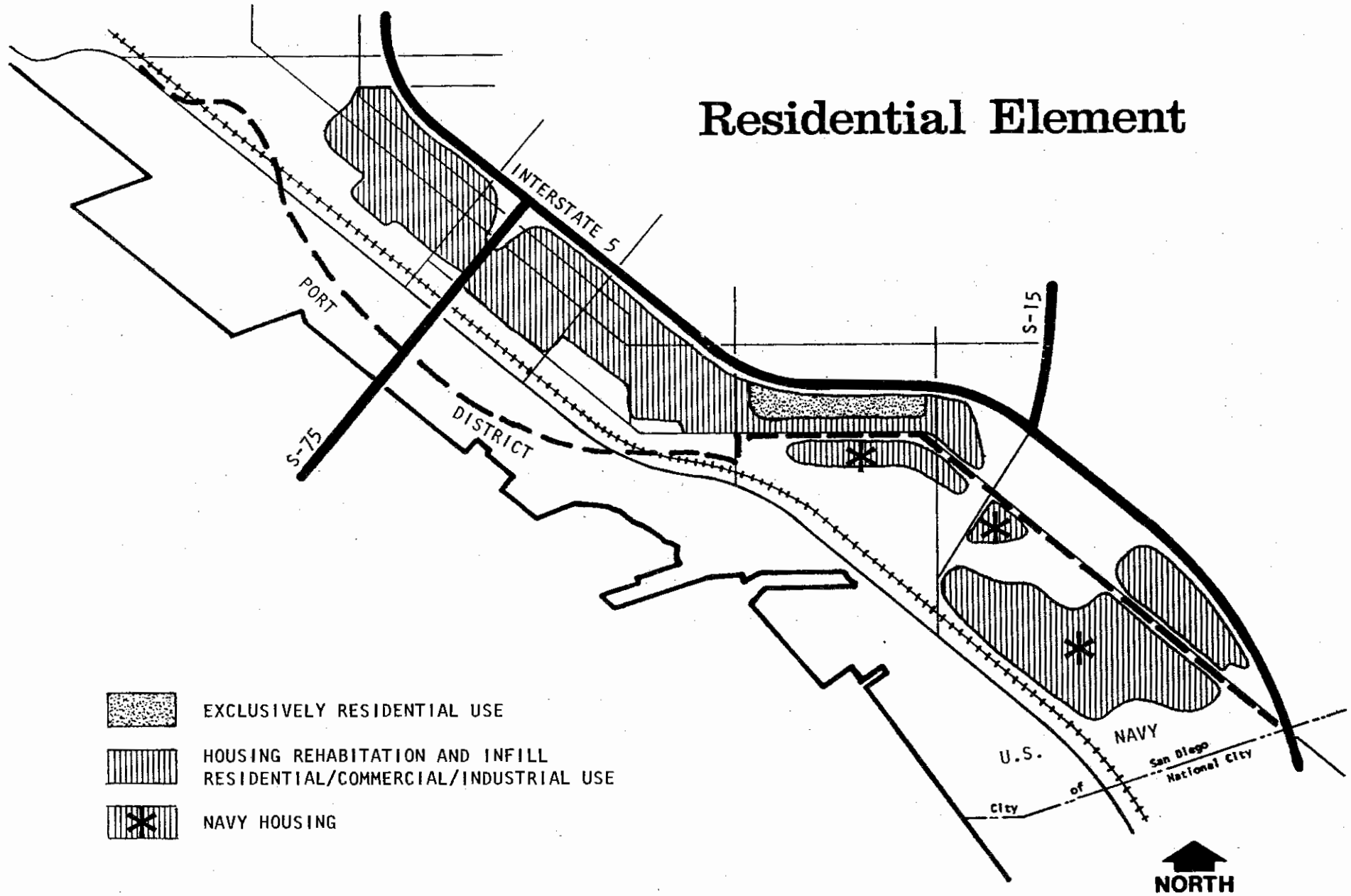
#### IMPLEMENTATION RECOMMENDATIONS:




The residential new development and rehabilitation proposals would require that rezonings to the R-2 and R-2A densities be undertaken in areas outlined for residential use. Both in exclusively residentially designated areas, and in residential/commercial/industrial designated areas for density allocations. These rezonings are proposed in order to protect the residential uses. Some areas however, are presently occupied by industrial users as well. The residential and industrial conflicts are proposed to be resolved by the application of new zoning controls which would allow the commercial and industrial uses to remain in the residential area under special qualitative development control standards. The standards would include landscaping, walls and buffers, and building development, consistent with the Urban Design considerations included in the Environmental Element of this Plan, to insure physical and environmental compatibility with the residential uses. It is felt that this approach should be designed to implement the requirements of the Coastal Act of 1976.

It is expected that housing rehabilitation will take place through private financing and some low interest loans, as available. New housing developments however, should take place through private means with some public incentive financing, in the form of availability of front end moneys; some local banks and savings and loan companies have expressed interest in these projects.

The main thrust of this Residential Element should be development and maintenance of the community's low and moderate income housing stock. This goal is possible at this time due to the relatively low land values for housing, together with the residential/industrial land use mix. These conditions however, could change as the overall community environmental quality increases markedly. It is at this time, that some form of public financing may become necessary. A variety of funds could be used, block grants, special HUD funding, State housing grants and financing, coastal conservancy funds, and any other available at the time of implementation.

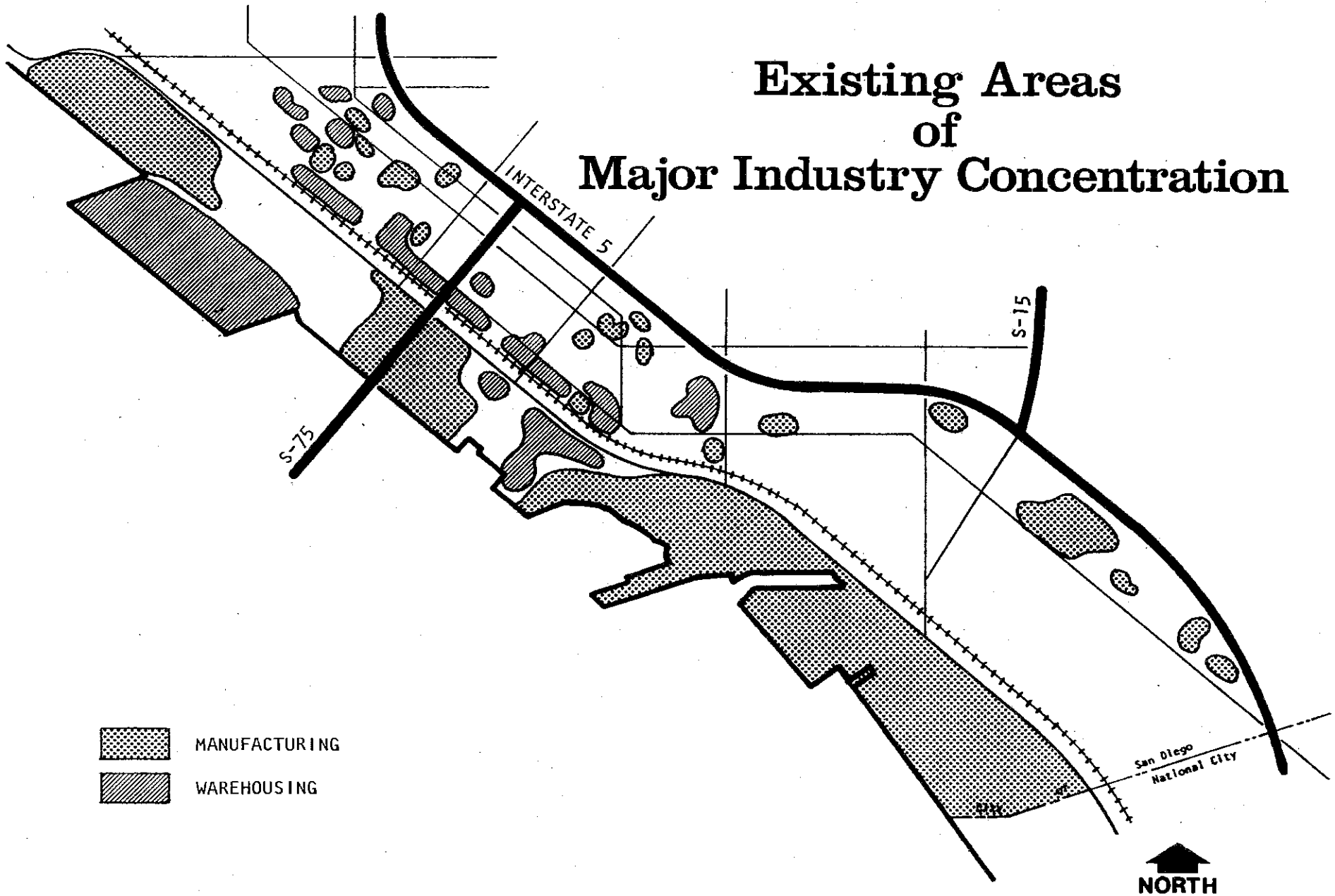
# Residential Element



-  EXCLUSIVELY RESIDENTIAL USE
-  HOUSING REHABILITATION AND INFILL  
RESIDENTIAL/COMMERCIAL/INDUSTRIAL USE
-  NAVY HOUSING

## BARRIO LOGAN HARBOR 101

# Existing Areas of Major Industry Concentration



**BARRIO LOGAN  
HARBOR 101**

## INDUSTRIAL

### EXISTING CONDITIONS:

Among the most notable of Barrio Logan's characteristics, is the industrial complex situated along the waterfront of San Diego Harbor. This complex of activities and structures, represents many diverse privately and publicly owned enterprises (U.S. Naval Base), employing well over 50,000 individuals, and making this small area the most labor intensive in the San Diego region. The major industries in this community alone, provide for approximately 50 percent of all the exported goods and services in the San Diego area, and fall under two controlling jurisdictions; The City of San Diego and the Unified Port District.

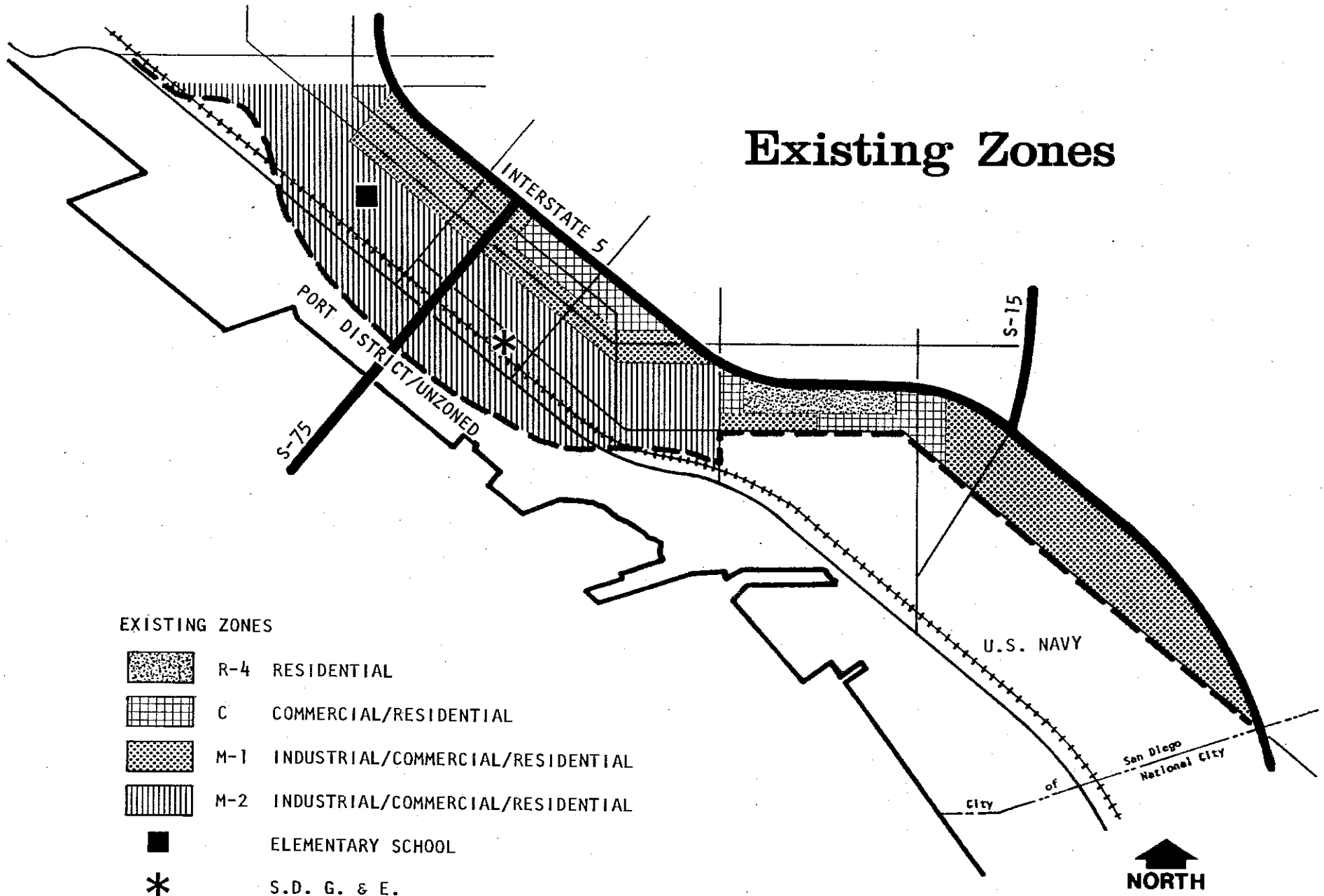
With the exception of a two block areas zoned R-4 and some small C zoned pockets, the remainder of the Barrio is zoned M-1 and M-2, which allows industrial, residential and commercial uses. Due to this mixed use character of the area, industrial uses have been unable economically, to assemble land in sufficiently large sizes for their operation. Consequently, industrial activity is parcelled throughout the community in a very inefficient pattern. Conflicts exist because homes which were built prior to the industrialization of the area, may now have a boat building yard, metal recycling yard, or metal fabrication business next door. In addition; heavy industrial uses are located along Harbor Drive and the waterfront, which together with other warehousing and industrial distributive uses, generate heavy truck traffic which use community local streets. This constitutes an additional disruptive and point of conflict with the residential uses.

Industries are located here because of the need for the waterfront location, for ship building, kelp processing, and tuna processing. These activities, for the most part, take place in land leased from the Unified Port District. The geographic shape of the community, in addition to the City/Port jurisdictional boundaries, have resulted in the establishment of a development pattern parallel to the waterfront, instead of perpendicular, limiting the number of industrial opportunities with available waterfront access. Additional problems in this context are, poor access from the freeway system to the waterfront, and lack of appropriate parking standards, which have thus created extreme circulation and parking problems throughout the community.

Much of the area just north and east of Harbor Drive, is currently being used for storage uses such as tankfarms, and open storage areas. The activities in this area as well as along the waterfront have developed in a haphazard cluttered nature. The facilities are large and block views to San Diego Bay which is psychologically expected to be pleasant, but in reality is not. The industrial buildings, and especially the machinery and activity, are of interest and could be the source of visual landmarks and orientation points for the community. But, the clutter that surrounds them, detracts from a potentially positive image.

The general environment in the areas further east and north of Harbor Drive, assume a different form. Industrial activities are more prominently

# Existing Zones



## BARRIO LOGAN HARBOR 101

warehousing, distribution, storage, vehicle salvage, and metal recyclers. These land consuming uses give few economic or environmental returns to the community and constitute unfortunate visual eyesores devoid of proper fencing and landscaping.

There is no protection for uses from each other and this has led to the "salvage yard problem". Both residents and business people agree that the "junkyards", "auto salvage yards" and "metal recycling yards" are a severe problem in the Barrio Logan/Harbor 101 community. Their location together with residential and commercial activities, results in noise and visual pollution as well as traffic hazards with parked and junked yards left on the streets. In addition, dust and metal parts fall on surrounding properties. Yet, salvage firms have located in the area in the same manner as other business, on a parcel by parcel basis as land became available. In some cases, the firms were able to buy out the residents on adjacent parcels in order to expand their business. In other cases, they found it more economical to purchase land in the immediate vicinity, rather than to try to accumulate contiguous parcels. In this fashion, 19 different yards are located in the community occupying approximately 23 acres of land. The resulting pollution and visual impact on the area has been just one additional issue of conflict between industry and residents.

#### RECOMMENDATIONS:

IMPROVE THE ENVIRONMENTAL AND VISUAL QUALITY OF INDUSTRIAL DEVELOPMENT WITHIN RESIDENTIAL/COMMERCIAL/INDUSTRIAL DESIGNATED AREAS.

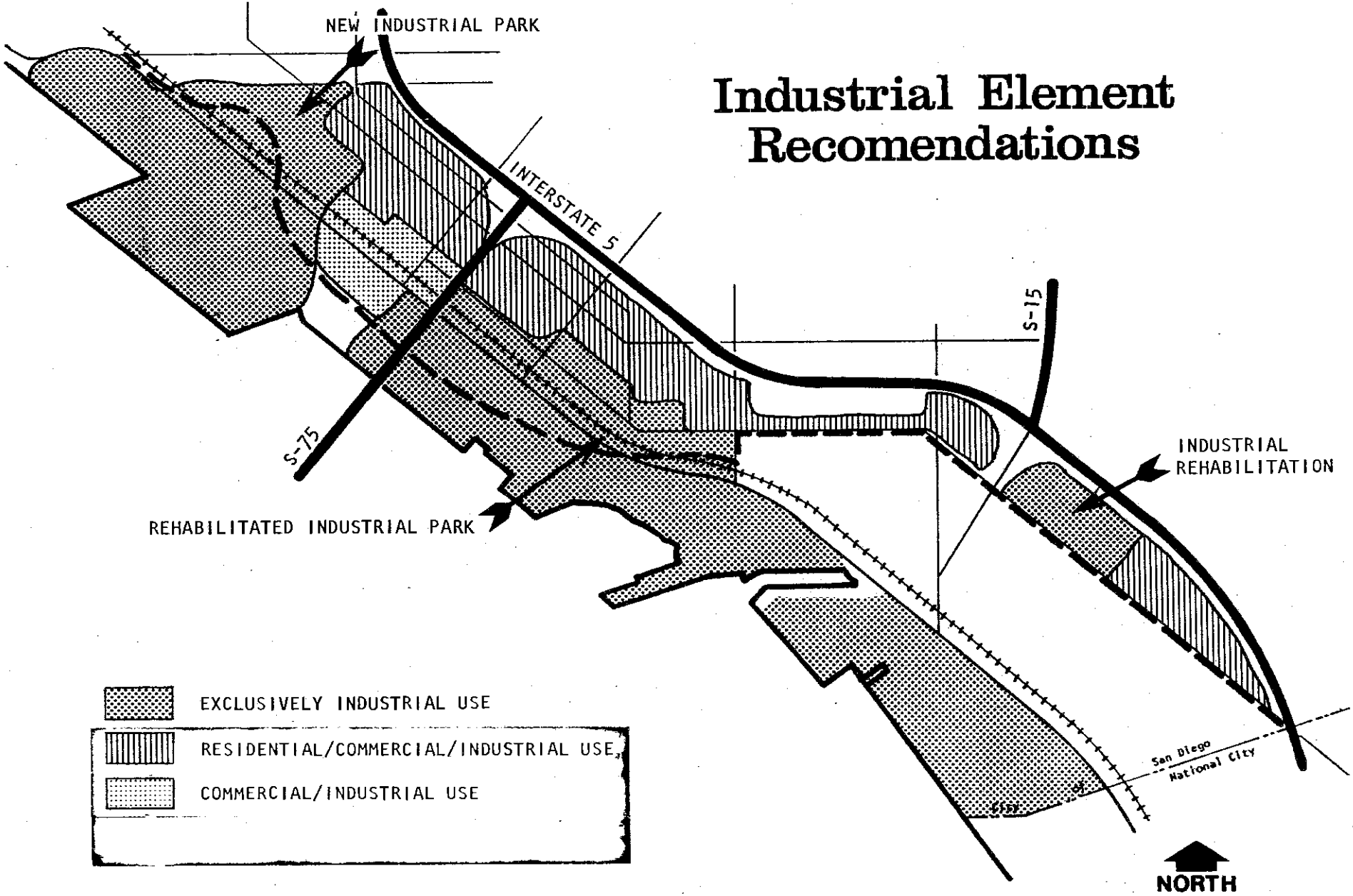
Industrial development located within otherwise outlined residential areas should be rehabilitated with development controls more consistent with present industrial development patterns, such as exterior control of noise, air pollution, and dust. Also, stricter controls on fencing, walls, landscaping and parking should be enforced. Controls of this nature exist under the more modern industrial zones, such as the M-IB Zone.

EXISTING IDENTIFIABLE AREAS TOTALLY DEVELOPED INDUSTRIALLY, SHOULD BE UPGRADED AND REHABILITATED, AS EXCLUSIVELY INDUSTRIAL AREAS.

This recommendation involved two specific actions:

South and East of the Bay Bridge: The existing industrial area south of the Coronado Bay Bridge should be rehabilitated by providing off-site parking along Harbor Drive, and establishing perimeter buffers, walls, and landscaping controls. Reasonable air and noise pollution standards should be developed and, industrial uses presently located in this area, encouraged to expand their facilities. Rehabilitation development standards could follow the existing M-IB development standards. The proposal should also include the development of reasonable buffers on Harbor Drive as a beautification effort through the U.S. Navy and NASSCO industrial complexes, to the Centre City Community's Embarcadero areas, north and west of the Barrio Logan/Harbor 101 community.

# Industrial Element Recomendations



## BARRIO LOGAN HARBOR 101

Rigel Street Industrial Site: Another area totally developed industrially and in need of major rehabilitation. The M-IB Zone could also be applied satisfactorily here with exterior effect control fences, walls and landscaped buffers. A special consideration should be made of the Chollas Creek flood control and open space proposal in terms of the fencing and landscaping proposals related to this site.

ENCOURAGE INDUSTRIAL GROWTH AND WATERFRONT INDUSTRIAL EXPANSION THROUGH THE DEVELOPMENT OF A MAJOR INDUSTRIAL PARK FOR EXCLUSIVE INDUSTRIAL USE.

The recommendation involves the development of a new industrial park north and east of the 10th Avenue Terminal in the northwestern area of the community. The area is presently occupied by railroad yards which are not fully used.

The railroads expressed a willingness to relocate some of their facilities, pending Centre City area redevelopment, to make more efficient use of their areas. This may not be the case at this time, since present conditions seem to indicate railroad use growth, rather than any potential reductions.

The proposed new industrial park would incorporate approximately 55 acres and should be developed with activities closely dependent on coastal access such as extensions to the 10th Avenue Marine terminal, development and extension of the seafood processing industries, relocation for marine manufacturing activities (shipyards), and possibly scientific, technological oceanic research centers. The center's development controls should be strict and similar to the City's M-IP Zone.

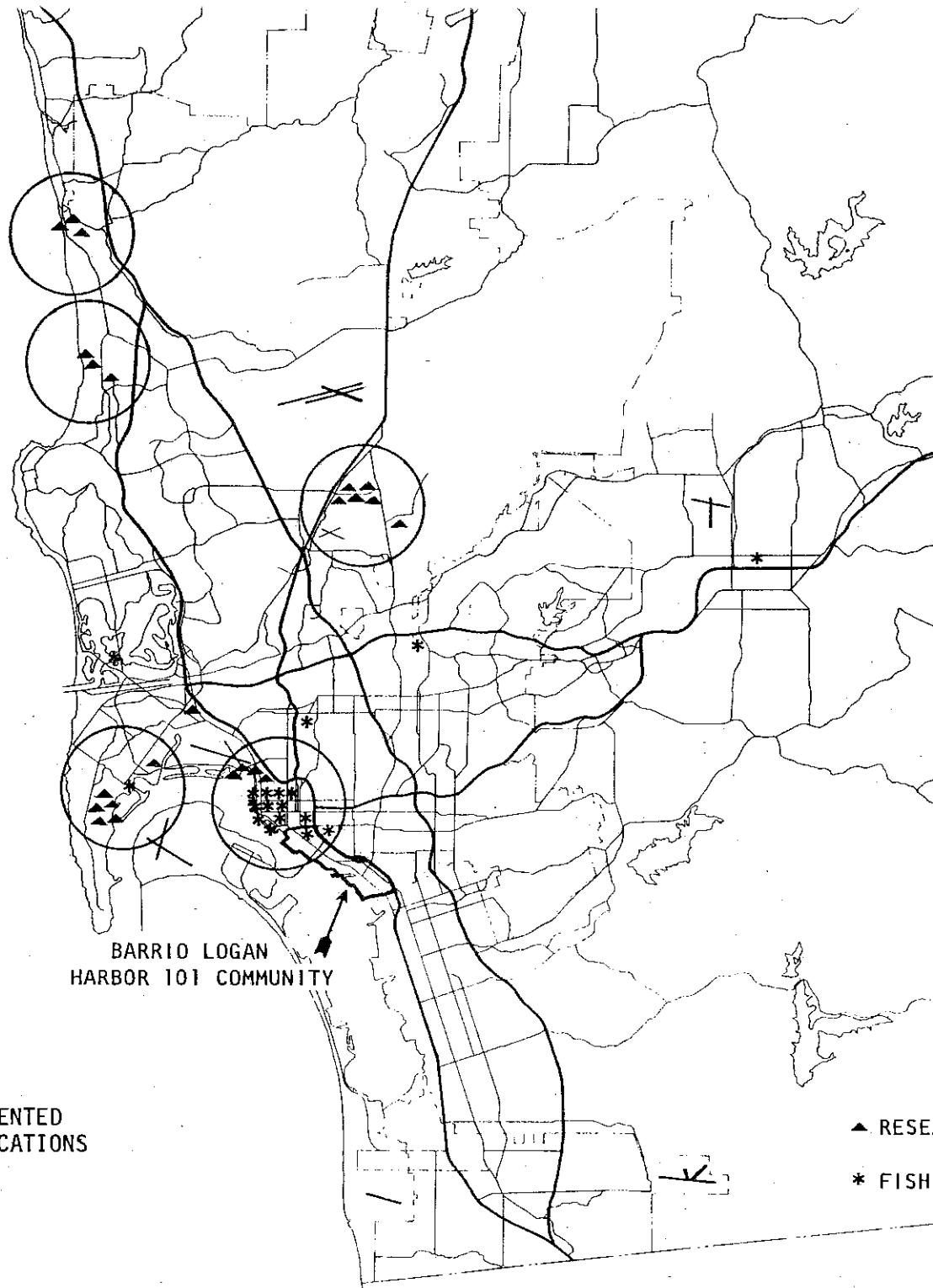
The California Coastal Act establishes that industrially designated coastal areas should provide development space for water dependent industry. A study was made for San Diego in 1970, titled "A Plan for the Growth of Oceanic Oriented Industries in San Diego County". The Plan was prepared by Copley International Corporation as a technical assistance project for the Economic Development Administration, U.S. Department of Commerce.

The study concludes that the Ocean oriented industry in San Diego is presently underdeveloped, in spite of the fact that San Diego has ideal conditions for ocean oriented industry development; proximity to the ocean, already established research and development, climate for year round operations, high level cultural and recreational facilities, and has technical labor supply available. Reasons for the lack of ocean industries in San Diego is attributed to local financing, incentives, taxes, lease rates, as well as unavailability of sites large enough and with proper transportation and communication lines.

The study proposes that San Diego has growth potential in the following fields, specifically:

Kelp extraction and processing:

Some facilities already exist, Kelco (algae extraction) presently located in the Barrio Logan area and San Diego Agar Company (for agar processing). Research firms and related facilities for plant recolonization and kelp industry management could ideally develop in San Diego.

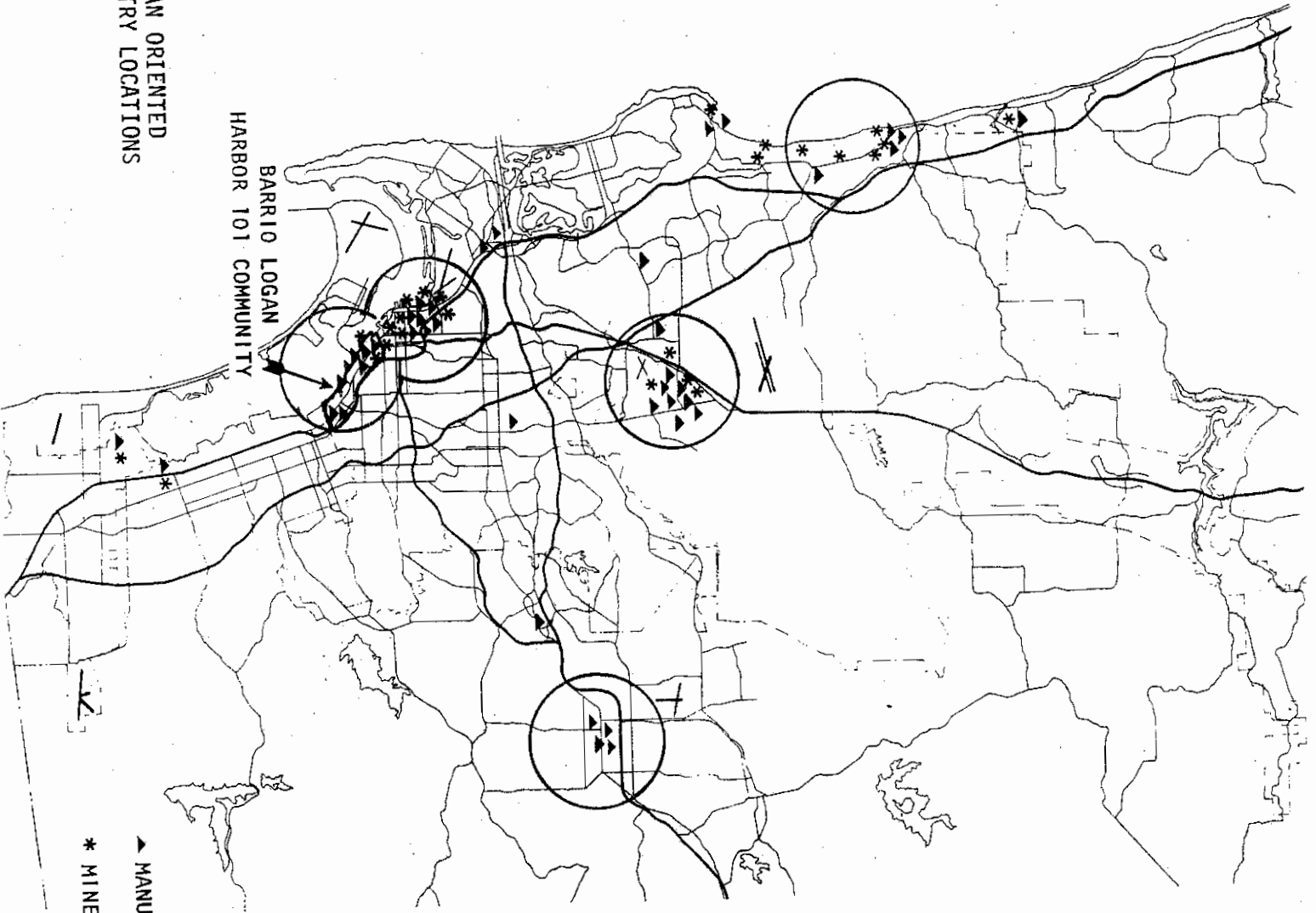


OCEAN ORIENTED  
INDUSTRY LOCATIONS

▲ RESEARCH INDUSTRY

\* FISHING INDUSTRY

OCEAN ORIENTED  
INDUSTRY LOCATIONS



BARRIO LOGAN  
HARBOR 101 COMMUNITY

▲ MANUFACTURING

\* MINERAL EXTRACTION

#### Commercial fisheries:

Requires the development of a coordinated local fishing fleet, and local product distribution to be improved with a centralized localization of fish wholesalers.

Practically all fish eaten in San Diego is imported from other cities, in spite of the fact that oceanic waters near San Diego are bountiful. Fish commodities that have potential development are: lobster, abalone, crab, bait fishes, squid and other fishes readily caught off-shore.

In relation to this industry, it is important to develop other related activities such as: research and aquaculture (oysters, clams, mussels, lobster, abalone and crab are primary candidates).

The fish processing industry could develop as local fisheries became more stable with the most promising area for development being in the packaging and gourmet foods; the canning of new species of fish and alternate methods of processing, such as smoking, quick freezing, pickling, are all part of a future industry.

#### Mineral extraction:

San Diego is not considered a good site for mineral processing but related areas of high technology ocean mineral development potential are: desalination experimental studies, construction and sales of small desalination plants, technology and development industry related to exploration for phosphorite and manganese nodules, software studies

of marine resources and design, construction, testing and sales of marine mineral resources, and design, construction, testing and sales of marine mining equipment, and the mining of beach sand from the Continental Shelf.

Related manufacturing activities of some note are the existing shipbuilding industry, which could expand with the additional industrial development of hardware for the oceanic extraction industries.

A study also surveyed the two major elements of the required labor force, which exist in San Diego. In one spectrum is the highly technical labor force of the Navy; the University, and other scientific laboratories, professional personnel is another important labor pool. The other, and a lightly used labor resource for highly skilled manufacturing are the Naval Personnel discharged in the San Diego area. That number is close to 10,000 people annually. The Navy through its "project transition" releases these people three months early to train in private business; during this period the Navy continues to pay their salary. A survey made in 1970 shows that 75 percent of those questioned would want to remain in San Diego, and possibly be incorporated in oceanic industry related labor force. According to the study, this source of labor is available on a continuing basis if industry desires to make use of it.

The same study reviewed a San Diego condition related to community acceptability of industrial uses, which have traditionally had negative environmental impacts associated with them. The study concludes that development of zoning

performance standards in terms of employment density, building density, parking, traffic, landscape, architectural vocabulary, noise levels, water, air pollution, odors, vibration, sewage treatment and safety hazards, will result in less community concern with the specific goods produced. This means that the San Diego community should be in a position to accept and welcome industrial enterprises that can meet the performance standards, designed to protect social and environmental values.

The study also identified different oceanic industries in San Diego. Their locations conclusively show that within The City of San Diego there are several areas where these industries already exist. The Barrio Logan/Harbor 101 area is one of these.

DESIGNATE BUFFER ZONES TO SERVE AS TRANSITIONAL LAND USE AREAS BETWEEN RESIDENTIAL AREAS AND LARGER INDUSTRIAL USES.

It is recommended that industrial accessory uses to the waterfront industry which are also compatible with residential uses, such as industrial offices, commercial, and small warehousing, be located in this buffer area. The mentioned development is proposed to locate along the Harbor Drive/Main Street corridor.

RECYCLING INDUSTRIES SHOULD BE SPECIALLY CONSIDERED IN RELATION TO BOTH, LOCATION, PHYSICAL AND ECONOMIC DEVELOPMENT.

The most difficult problem in dealing with the industrial uses in the community, relates to the consideration of the recycling and salvage industries already well established in the Barrio. The present nature, dust, noise, storage and access needs of these industries, make them incompatible with the existing, and potentially expanding low and moderate income housing and other uses. The community's coastal location requires that coastal dependent industries be given priority in the use of this prime waterfront land; the recycling yards do not qualify in this category. Yet the yards have for the past few years gained a strong foothold in the community due to small lot availability and the minimal development standards of the existing zone, which do not require major capital investments; and the fact that location wise, these industries are well located in relation to their primary service population, which up to now, has included low and moderate income communities, and some larger industries for the scrap metal. This situation will probably change in the near future, as the recycling activities become more important to the nation's economy, and their market population and services expand to the middle and upper income groups, and to serve major industry on a larger scale.

In conjunction with the development of this plan recommendations, three alternatives have been reviewed. As a result of an initial study of these alternatives; the first alternative, and the third

alternative, relocation to other areas, and major improvement and beautification within the community respectively are the most viable.

Alternative 1: Preparation of a City-wide study for the relocation of recycling industries, and study of development standards for recycling centers:

Possible relocation sites could include the Miramar area, where City-owned properties exist under limited development possibilities. Relocation could also take place on privately owned industrial parcels. A major functional requirement is that the sites have accessibility to freeways and the railroad, to comply with the activity's transportation needs. Such sites are available, but it would be necessary to study further, and in detail, the cost/benefit qualities of such alternatives, as the study of the critical mass and size which would be required to make these centers workable economic entities, in the new locations. An initial staff study of this option, indicated that this alternative is the most viable from the standpoint of regional and community wide cost/benefit.

Alternative 2: Reservation and development of a special section of the new industrial park plan proposal in the northwestern section of the community for relocation of the yards within the community.

This proposal has some definite limitations. One is the questionable effect that this location would have on the Centre City community housing

redevelopment proposals, in the Marina area particularly. Another drawback is that the location in this area would displace potential labor intensive and high technology industrial activities sorely needed in the Barrio Logan and surrounding communities (Southeast), which are now under employed. Finally; to properly minimize the physical impact of the recycling centers location on this area, would require strict development controls which on top of the other mentioned issues, would probably be too costly to make this use economically feasible in this area. The initial study of this option, indicated that this alternative is less viable economically than Alternative 1.

Alternative 3: Maintain the recycling uses at their present locations scattered within the Barrio Logan/Harbor 101 community.

This alternative would require the development of very strict development standards with controls on pollution, noise, dust and other exterior effects, as well as establishment of buffer areas and enclosures which would greatly limit the land area available. Those needed development standards together with the high cost of properties for industrial development would impose a critical economic limitation on the viability of this alternative; the initial review of the alternative, highlighted these economic conditions making it less economically viable than the other alternatives, although on a regional basis it would rate higher than Alternative 2 which would displace needed regional industrial growth.

ESTABLISH AND ORGANIZE INDUSTRIAL SERVICE  
CIRCULATION AND EMPLOYEE PARKING AREAS:

An upshot of the industrial proposals is the need for developing parking areas for industrial employee parking, together with the redesign of Harbor Drive which will be discussed in the Circulation Element of this plan.

The concept of concentrating employee parking areas will allow, among other things, the possibility of re-using the land presently pre-empted by parking with additional industrial expansion areas. This concept is particularly critical in relation to the planning area's ability to develop more waterfront related industry.

IMPLEMENTATION RECOMMENDATIONS:

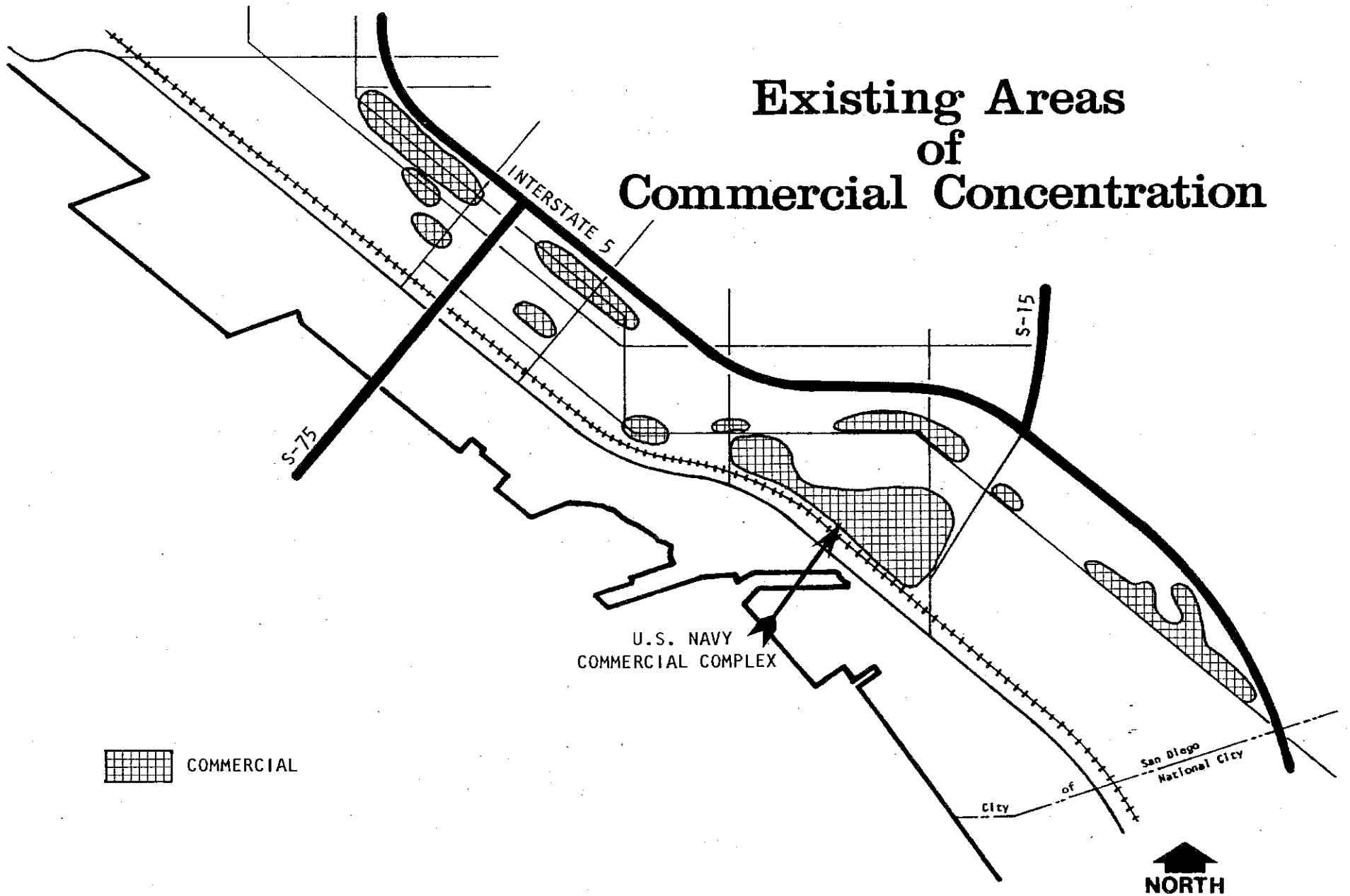
This plan proposes that development controls be drafted to mitigate existing problems of visual pollution, as well as air, noise, and water pollution. The later are expected to be rectified by federal and state pollution regulation agencies, which have direct permit control over these industrial developments.

Visual pollution controls, which fall under the direct control of the City's zoning regulations, should be designed to control external effects, property perimeter buffers, landscaping, and walls and fences; particularly in the areas where mixed uses of industry and housing are allowable under this plan.

Although covered under the Transportation Element of this plan, development controls relative to employee parking, numbers and locations, as well as access, and truck routes, designed not to disrupt the residential neighborhood as outlined in this plan, should also be established.

Redevelopment action is desirable to implement this plan recommendations. Private enterprises should be encouraged to invest and rehabilitate through the availability of tax incentives, low interest loans, and State/Federal economic development grants, as necessary. Close coordination with the Port District is necessary in relation to the industrial park development proposal, and the rehabilitation of waterfront industry. Also close coordination with the Port/Navy and transportation agencies is needed in relation to the circulation and parking portion of this plan's proposals.

# Existing Areas of Commercial Concentration



 COMMERCIAL

**BARRIO LOGAN  
HARBOR 101**

## COMMERCIAL

### EXISTING CONDITIONS

There is a general lack of commercial facilities and services in the community. Residents, specially, are forced to travel outside their community for food, drugs, and other necessities. This has created hardships, particularly for the residents, who must travel up to five miles outside their community to a major grocery store. This situation is compared, by the residents, to quite a different one during the fifties, when Logan Avenue and Main Street were viable commercial centers, with grocery stores and movie theaters. The development of freeways in the community, together with the already mentioned industrial zoning, and the resulting loss of population, has made it uneconomical for commercial enterprises to locate or even remain in the community. The lack of economic conditions under which a viable commercial development could exist, has resulted in a general dispersal and disappearance of neighborhood business. Most of the very few commercial business remaining could be characterized as "mom and pop" businesses, which must of necessity charge more to overcome low volume sales. Operating on a slim margin, the business cannot afford to spend much money in major upkeep and maintenance.

An additional consideration, in relation to the commercial uses in the community, is that of the 32nd Street Naval Base where regional commercial activities totalling approximately 200,000 square feet exist. The facility, will probably grow in the future, as the services, at the Base grow, and the Naval regional population increases. The present facilities serve as estimated regional population of more than 400,000 people.

#### RECOMMENDATIONS:

RETAIN AND ENHANCE EXISTING COMMERCIAL USES IN THE COMMUNITY.

Establish a rehabilitation program to improve the physical condition of commercial structures particularly along Logan Avenue and Main Street.

DEVELOP NEW COMMERCIAL FACILITIES TO SERVE THE LARGE NUMBER OF AREA EMPLOYEES AND THE EXPECTED INCREASE IN POPULATION.

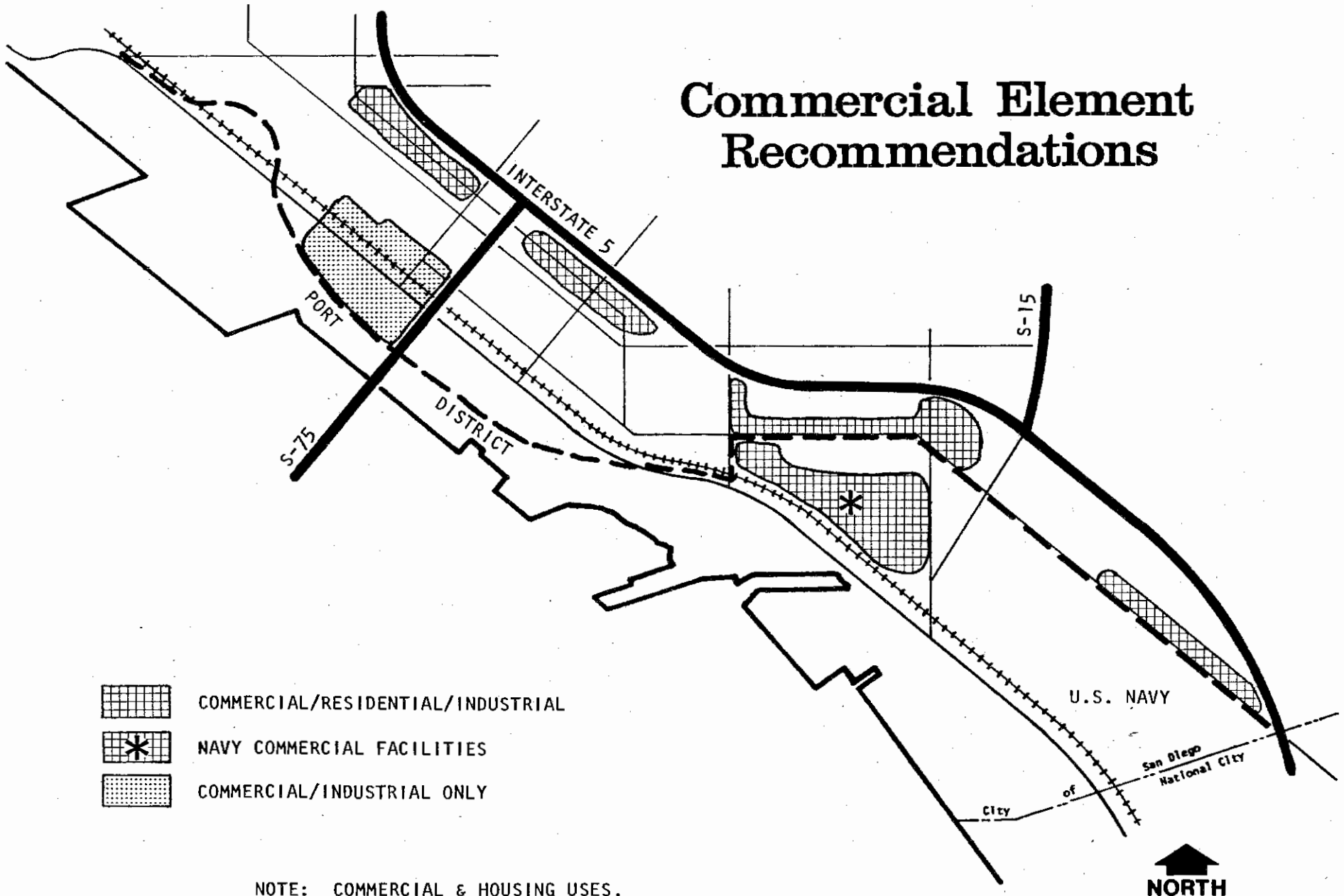
Enhance the condition of the existing business community by infilling along already established commercial areas of Logan Avenue and Main Street, and encourage an expansion in the level of commercial services available to residents and employees in the community. Because of the continuing gradual decline of the residential environment, the retail business community which serves those residents has also been in a state of decline. A growth in the number of residents and employees, together with environmental enhancement, should reverse this deteriorating trend.



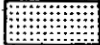
Residential units over the commercial structures, or in the rear of the lot, could also be allowed, in order to further intensify development and provide residential growth. Also, special development controls for industrial/commercial coexistence should be developed as part of a new zoning concept, similar to the proposals in the Residential Element of this plan.

#### IMPLEMENTATION RECOMMENDATIONS:

The areas designated for commercial development should be rezoned to the CC Zone. A zone will have to be developed to allow other residential and industrial uses, to remain under development controls designed to mitigate exterior effects, provide edge buffers, walls and fences, scale, and control intensity of development. Redevelopment action would be desirable in relation to coordinating development actions and financing. Economic development funding and other State and Federal funding for commercial rehabilitation should be made available.

# Commercial Element Recommendations



-  COMMERCIAL/RESIDENTIAL/INDUSTRIAL
-  NAVY COMMERCIAL FACILITIES
-  COMMERCIAL/INDUSTRIAL ONLY

NOTE: COMMERCIAL & HOUSING USES,  
WITH INDUSTRIAL DEVELOPMENT  
UNDER SPECIAL CONTROLS

## BARRIO LOGAN HARBOR 101

## COMMUNITY FACILITIES

### EXISTING CONDITIONS:

This section is multifaceted, in that it involves several types of public services, and semi-public (privately owned) facilities. For that reason, this element has been divided into semi-public utilities such as San Diego Gas and Electric; public utilities, such as sewer, water and trash collecting; public facilities such as schools, libraries, fire houses, police; and community social services, such as the Neighborhood Clinic, Youth Center, Senior Citizen Center and the Chicano Federation. Much of the evaluation and many of the specific proposals relative to this element are included in the Environmental Impact Report and the Socio-Economic Element of this Plan.

#### Semi-public Utilities:

San Diego Gas and Electric Company has substantial investment in the Barrio Logan/Harbor 101 community. Several parcels of land are owned by the utility and one of the utility's major power stations in the San Diego region is located in the Barrio, the Silvergate Station. The specific details of the station's operation and impacts on the community planning area are covered in detail in the Environmental Impact Report portion of this plan.

#### Public Utilities:

The community's sewer and water utility system seems adequate at this time and will be able to accommodate proposed growth. The City of San Diego has a sewage facility in the Barrio, within Navy

properties which the Navy wants to relocate. Present proposals are to improve the facility at another location south and east of its present site. Odor problems occur from time to time at this facility.

Other foul smells emanate from a City pump station and sewer line on Harbor Drive. The sewer line is due for replacement in 1979, which then should insure an improvement in air quality. Specific problems and potential solutions are included in the Environmental Impact Report section of this Plan.

#### Community Maintenance Services:

As mentioned in the Socio-Economic Element of this plan, street sweeping and refuse pick up service are not up to the highest standards. The main reason being the old facilities, narrow and at times unpaved alleys, and the industrial zoning in the area, which allows lower development standards than newer industrial zones; all contribute to the problem. These conditions require higher than standard public area maintenance and upkeep. The situation is worsened by the community's parking problems, where employee parking and the car dismantling practices of the salvage industries on the public streets, make it difficult to maintain streets properly cleaned.

### Community Facilities:

These facilities are covered in more detail, relative to their socio-economic characteristics in the Socio-Economic Element of this plan.

### Schools:

Lowell Elementary is the only school located in the Barrio Logan/Harbor 101 community. Children attending junior and senior high school must travel outside the community's boundaries. In the past, Lowell School was scheduled for removal due to the expected decline in population of the M-1 and M-2 Zoned community planning area. This decline, however, did not materialize and after an initial low enrollment, attendance has subsequently increased. School facilities have always been temporary, devoid of landscaping, surrounded by salvage yards, and on the main truck route that services the industrial areas along the waterfront. Due to the recent increase in enrollment, and the upsurge of community resident activism, the community wants a permanent facility. As a result, the City has bought the two salvage yards adjacent to the elementary school for the school's future expansion.

### Libraries:

No libraries exist in the community, nearby public libraries are sited at the Memorial Park and school center, across from Freeway I-5 along 28th Street. Other services are available at the Central Library in Centre City San Diego.

### Police and Fire:

Fire protection services are provided from a fire station located at National and Crosby. The Police Department operates a community relations office on Logan Avenue.

### Community Social Services:

As already mentioned in the Socio-Economic Element of this plan, several social services agencies are located in this community, partially funded by public grants. In the past there has been some obvious duplication of efforts. This working at cross purposes, often times results in a competitive struggle with each other for funding and support. The phenomena creates a lack of cohesion and comprehensiveness in the services rendered, which becomes extremely important in communities where the low income status of many residents make the delivery of these services so important.

Community social agencies of great importance in the Barrio Logan/Harbor 101 area are: - The Chicano Federation which is a social agency with wide regional ties to Chicano groups throughout the San Diego region, and provides counselling, training and home services for senior citizens, youth family counseling and legal aid. The federation is also presently embarking on a limited rehabilitation program by providing assistance for housing fix up, maintenance, and training programs and jobs related to these activities.

The Barrio Youth Center is another agency which provides educational, art classes, and athletic activities for the youth of the Barrio. The services also include general counseling, and sponsoring of community activities. The center has been for sometime in need of expanded facilities, and a new facility is presently in the process of being acquired by the City for the center.

The Chicano Community Clinic, provides medical care, and preventive health education for the residents, services also include family counseling, senior citizen counseling, youth athletic activities, etc.

The Senior Citizen Center, provides recreation, meeting space, and general activities and counseling for the senior citizens of the community. A new center has recently been built by the City Parks and Recreation Department to house the group's activities.

These different agencies, often come together and organize joint activities around a common goal. The development of Chicano Park and its mural painting activities are a good example.

#### RECOMMENDATIONS:

IMPROVE THE VISUAL CHARACTER OF SEMI-PUBLIC UTILITIES SUCH AS SAN DIEGO GAS AND ELECTRIC COMPANY'S FACILITIES.

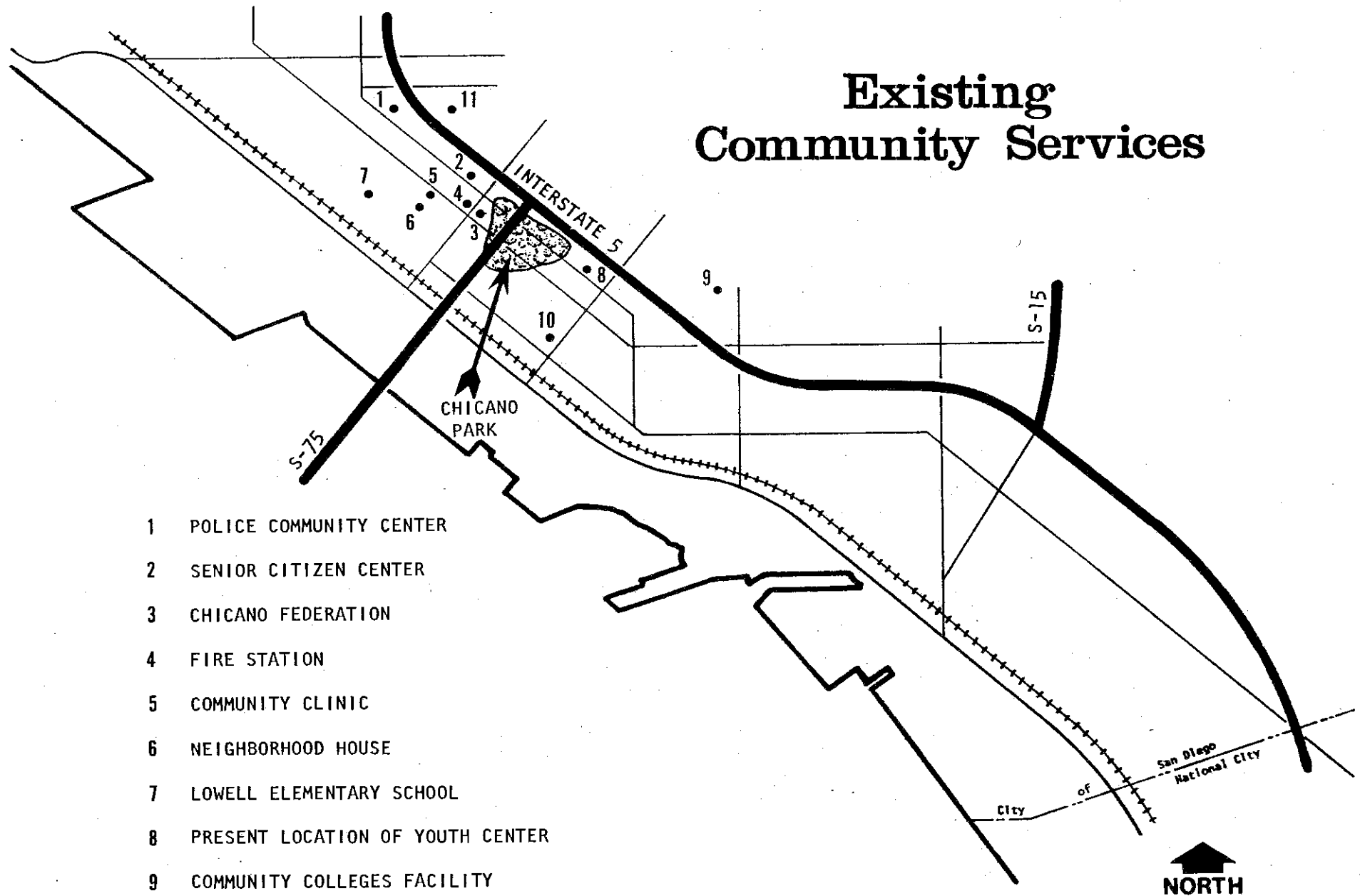
The Plan proposes that air pollution controls, and noise controls be developed to mitigate the facilities present impacts on the community's environment. The controls will be enforced by the adequate environmental agencies as outlined in the Environmental Impact Report of this Plan.

Wiring systems should be underground whenever possible, and specially on all new developments. Development controls and beautification measures should be established for San Diego's Gas and Electric Company's properties and perimeters. The Company, has outstanding examples of qualitative development in numerous transformer structures throughout the City, and they should be encouraged to continue that high development standard and apply it to development in the Barrio Logan/Harbor 101 community.

IMPROVE STREET SWEEPING AND MAINTENANCE EFFORTS TO INSURE THAT THE FACILITIES ARE MAINTAINED TO THE STANDARD CITY-WIDE LEVEL OF SERVICE.

Trash collecting and street sweeping needs to be improved. This can be achieved by organizing the community's land uses, enforcing zoning regulations, and resolving the parking problem on community streets.

# Existing Community Services



- 1 POLICE COMMUNITY CENTER
- 2 SENIOR CITIZEN CENTER
- 3 CHICANO FEDERATION
- 4 FIRE STATION
- 5 COMMUNITY CLINIC
- 6 NEIGHBORHOOD HOUSE
- 7 LOWELL ELEMENTARY SCHOOL
- 8 PRESENT LOCATION OF YOUTH CENTER
- 9 COMMUNITY COLLEGES FACILITY
- 10 PROPOSED YOUTH CENTER RELOCATION
- 11 CATHOLIC CHURCH

## BARRIO LOGAN HARBOR 101

ESTABLISH PUBLIC AND PRIVATE PROGRAMS TO UPGRADE SUBSTANDARD UNPAVED STREETS AND ALLEYS.

Establish a community circulation system and improve facilities to implement that system. Secondly, improve all other necessary local access facilities to City-wide standards.

PROVIDE ADEQUATE STANDARD SCHOOL FACILITIES FOR THE CHILDREN OF THE COMMUNITY BY CONSTRUCTING A NEW SCHOOL FACILITY AND EXTENDING THE SCHOOL SITE.

In order to provide adequate school site and facilities, in a centralized location, and creating an opportunity for total environment enhancement, construction of a new school facility and expansion of the present site, in conjunction with other education and cultural facilities, is recommended.

IT IS RECOMMENDED THAT THE CITY AND THE COMMUNITY SUPPORT THE CONSTRUCTION OF A NEW FACILITY THAT CAN SERVE AS A CULTURAL AND COMMUNITY CENTER, AS WELL AS A SCHOOL, IN THE COMMUNITY.

The residents have for some time expressed the desire to create a cultural center and community center as part of the Lowell School expansion. This proposal could not only be feasible but desirable, and result in an efficient use of the presently diminishing public resources. The school site expansion could include a small community library, exhibit area, meeting room and a sports field to be developed as part of the complex. This facility could not only be an asset to the residents, but also to the industry's employees, considering the fact that this employee population spends half of their active life in the Barrio Logan/Harbor 101 community.

THE EDUCATION-CULTURAL CENTER PROJECT SHOULD INCLUDE A COMMUNITY COLLEGES FACILITY.

Community Colleges has a temporary vocational facility which serves the Barrio Logan community, at Marcy and Julian Streets just outside the Barrio Logan Planning Area. Their present facility is under lease from the Unified School District and in critical need of additional building area, recreational areas and parking. Both community colleges and the community leaders are considering sites for a campus like development within the Barrio Logan Community.

This Plan recommends that community colleges facilities be developed in the Educational-Cultural Center project area, in conjunction with the Lowell School development. The assets of this site are the development of a complete and coordinated community center where joint development and use of facilities can be established. The economic efficiency and savings resulting from the multiple use concept, can be budgeted to additional community facilities and services related to this project. The siting of this facility within the Educational-Cultural Center project area would also compliment the recommendation of providing public access to the Bay, and relating closely the vocational job-training facility to the recommended new industrial park.

# Community Facilities Recommendation



NOTE: Precise Development and Design proposals are to be pursued in the future as an ongoing implementation of the Plan. Such undertaking should include all the existing and future interests in this portion of the community.

## BARRIO LOGAN HARBOR 101

CONTINUE TO SUPPORT, COORDINATE AND EXPAND THE SERVICES DELIVERED BY THE COMMUNITY SOCIAL AGENCIES.

It is desirable to locate complimentary community social agency services within one general location. The plan proposes that these services be located on an axis from Chicano Park, the present location of the Chicano Federation and Senior Citizen Center, to the proposed Lowell School expansion area, on the Newton/Main Street area and the proposed Youth Center relocation area, also linking the present location of the Community Clinic, Neighborhood House, and Fire Station facilities.

CONSOLIDATE THE FIRE AND POLICE COMMUNITY RELATIONS FACILITIES AT THE PRESENT FIRE HOUSE SITE.

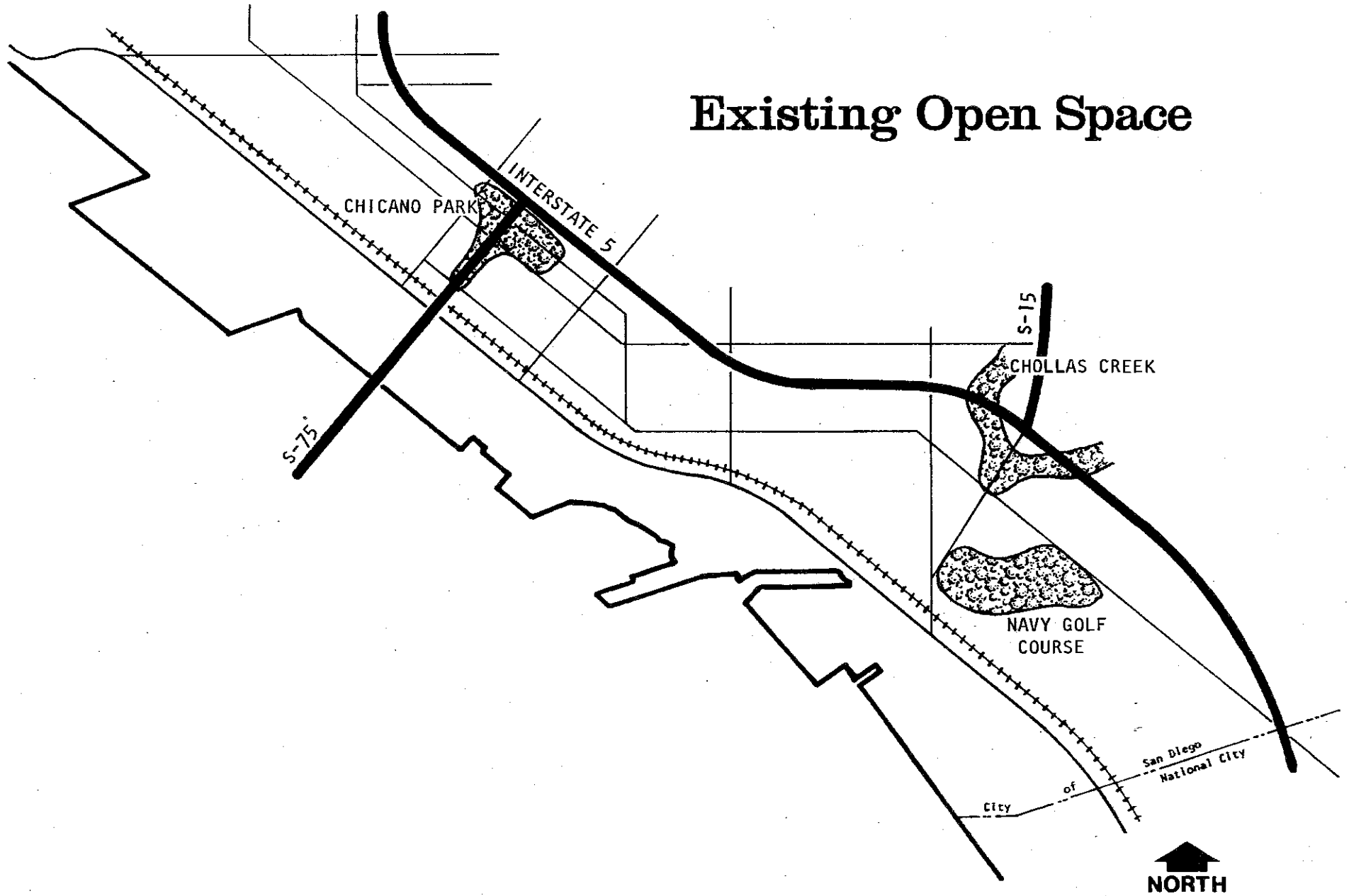
The plan proposes that the existing fire protection facility be improved at its present location, and that the police relations office be incorporated into this complex.

#### IMPLEMENTATION RECOMMENDATIONS:

It is recommended that redevelopment action be undertaken for the purpose of coordinating properly the recommendations included in this element. Through a centralized Development Agency review, funding could be allocated to properly develop and phase the proposed projects. Also, redevelopment action would provide a sense of priority to obtain some of the funding through state and federal agencies. The redevelopment agency, should also coordinate and assist other public agencies such as the School District and College District with the development of their facilities.



# Existing Open Space



## BARRIO LOGAN HARBOR 101

## OPEN SPACE

### EXISTING CONDITIONS:

Barrio Logan, located adjacent to San Diego Bay, has no public access to the bay for residents, employees or visitors. Prior to World War II there was public access and use of the bay with a small beach (Caquita Bay), and fishing pier. Such times are very much in the minds of residents when they describe their community. Presently all land fronting the Bay is either used industrially or vacant. However the latest Unified Port District Plan discusses access for this area in the form of "...a public viewing area located between the boundaries of the marine terminal and the proposed boatyard is to provide a new access point to the industrial waterfront area." (Port District Draft Master Plan 1979).

The only open space in the community is Chicano Park which was established six years ago and is slowly expanding under the Bay Bridge. The park functions as a open space/park and playground; and it is also a focus of community activities including an ongoing effort by the community to continue the mural paintings on the piers of the San Diego-Coronado Bay Bridge.

An additional potential site for open space development in the community is the Chollas Creek and flood plain, which for the most part is occupied by parking lots or vacant and within the jurisdiction of the Navy.

### RECOMMENDATIONS:

PROVIDE FOR THE COMPLETION AND FURTHER ENHANCEMENT OF CHICANO PARK AS A COMMUNITY FOCUS FOR BOTH THE BARRIO LOGAN/HARBOR 101 COMMUNITY AND THE LARGER COMMUNITY OUTSIDE THE PLANNING AREA.

Chicano Park, serves as a symbol of the Barrio's Chicano community's desire to preserve and express its heritage. The completion and enhancement of the park is desirable. It will also become a major visitor center of interest in the San Diego region due to its uniqueness and history. It is recommended that the existing park be expanded and developed under the Coronado Bay Bridge to Main Street. Pedestrian areas should also be established to link this cultural park to the Bay and its potential waterfront oriented open spaces. This should also include links to Centre City's greatly enhanced Embarcadero and Marina waterfront areas.

ESTABLISH COMMUNITY ACCESS TO THE UNIQUE ENVIRONMENTAL ASSET OF SAN DIEGO BAY, AND ESTABLISH VISUAL LINKS WITH THE UNIQUE AND INTERESTING WATERFRONT INDUSTRY.

Open up the unique asset of San Diego Bay, its water orientation, industrial activity visual qualities, and other view assets, to the residential and working community of the Barrio Logan/Harbor 101 area and its environs. Establish pedestrian activity pockets on and near the Bay by substituting areas presently used for parking, and vacant parcels with waterfront oriented plazas from which the Bay can be perceived and enjoyed.

### Bay Access:

An urban plaza should be developed north of the Sun Harbor Cannery and extending to the waterfront area partially within the Port District lands. The plaza would have a different waterfront character from other areas in San Diego by its exposure and emphasis to the dynamic waterfront oriented industrial and commercial activities; a view of the port's economy in action. It would be desirable to encourage the Port District's cooperation in looking at the unique sites on the Bay and vacant properties by developing these properties in a commercial/industrial complex which accommodates public access, and open space towards the bayfront as the Port District has done in other areas of the waterfront such as Point Loma. It should be noted, that the San Diego Unified Port District has been successful in achieving this type of environment in other parts of the City, such as Point Loma/Shelter Island, and the north Embarcadero Area (G Street Mole, Tuna Fleet landing).

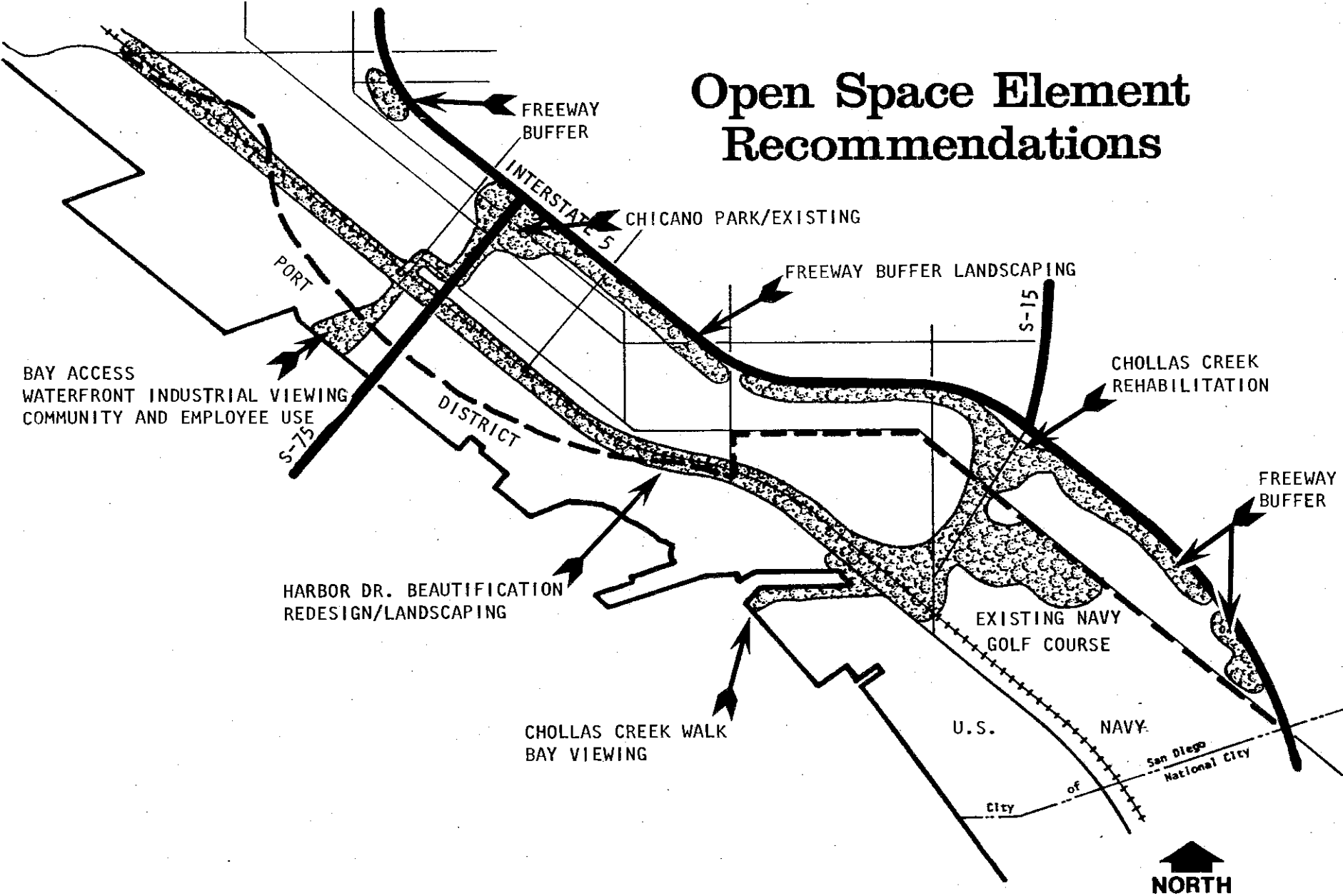
### A NATURAL LINEAR PARK SHOULD BE DEVELOPED TAKING ADVANTAGE OF THE CHOLLAS CREEK REGIONAL OPEN SPACE DEVELOPMENT POTENTIAL.

This linear park potential development has been studied in relation to the Southeast San Diego Development Plan Studies. The linear park development concept, would connect to other communities through its numerous branches in Southeast San Diego, Mid City and Lemon Grove communities. The park area within the Barrio Logan/Harbor 101 community would consist of several elements; underpasses under freeways utilizing the

flood plain and/or channel, and promenades along the bay edges of the estuary on Navy easements. Great care should be taken in the design of the separating fence area. West of Harbor Drive an open space pedestrian access easement could exist only in the southern portion of the creek, on a strip of land area used by the Navy for parking. Navy offices and some recreational facilities front on it at the present time. It is proposed that an urban landscape with less landscaping and more paved areas be used. The separating fence should be carefully designed.

Additional studies should be made as part of a redevelopment plan of the creek, regarding potential uses in the creek. Some questions need to be answered. Is the area east of Harbor Drive which is in the tidal area, suitable for some type of aquaculture or marine oriented scientific research on habitat rehabilitation, or as a potential wildlife rehabilitated area for sea birds. Could potential industries develop based on these creek activities, and is the area valuable for commercial development, for recreation. Questions like this should be the subject of a study undertaken jointly with the Coastal Commission Coastal Conservancy, local universities and scientific groups, with some conclusive answers reached within a reasonable period of time. Questions should also be posed, and answered, relative to the wider recreational value of the Creek. Such as, whether the area is adequate for swimming, and if so, how can it be rehabilitated for such purposes, considering the present water runoff conditions as expressed in the Environmental Impact Report Section of this Plan.

# Open Space Element Recommendations



NOTE: Design which will reflect precise boundaries for this open space concept are subject to future development. The image shown in this Plan is intended to be for idea purposes only and does not represent the final solution to this Bay Access Concept.

## BARRIO LOGAN HARBOR 101

## CONCENTRATE OPEN SPACE AND BEAUTIFICATION EFFORTS ON PUBLIC LANDS.

Existing government lands should be evaluated in terms of their economic development potential as well as open space development characteristics. Land easements could be purchased from large agencies and landholders in the community to provide open space areas.

### Sport Fields:

Are an open space asset, and part of the Lowell School/Educational-Cultural Center site development. The school playground should be designed for 24 hour use, as a multi-purpose facility, which can be used for both community sports, and school playground area. The design should be parklike, and edges and buffers are a special and important design consideration.

### Major Beautification:

This Plan proposes that a major beautification and tree planting campaign be made in several areas. Specifically, along I-5, landscaping and mounding is needed to complete the freeway landscape development and mitigate environmental impacts on the community. Harbor Drive and all major streets linking the Barrio to surrounding communities, should also be landscaped with drought resistant plant materials.

## IMPLEMENTATION RECOMMENDATIONS:

It is recommended that redevelopment action be undertaken to provide administrative coordination and State/Federal funding capabilities to these projects.

Coordination with the School District, Community Colleges, the Port District, and the U.S. Navy and Army Corps of Engineers (Chollas Creek) will be necessary. Also close coordination with the Coastal Commission Coastal Conservancy, State Agencies, and educational institutions for environmental rehabilitation studies will be necessary to successfully implement one of the major projects.

Joint power agreements, or establishment of open space easements from two major government agencies (Port and U.S. Navy) could also be a possible implementation technique. Tax incentives, low interest loans, and other similar means could also be used to provide landscaped easements in the heavy industrial areas, and provide separation and buffers from the rest of the community.

Some street improvements, and landscaping, may require State and Federal grants and/or easement districts, pursuing a concept of "facility rehabilitation". The State Conservancy should play an active role in this open space rehabilitation concept.

# Transportation Element

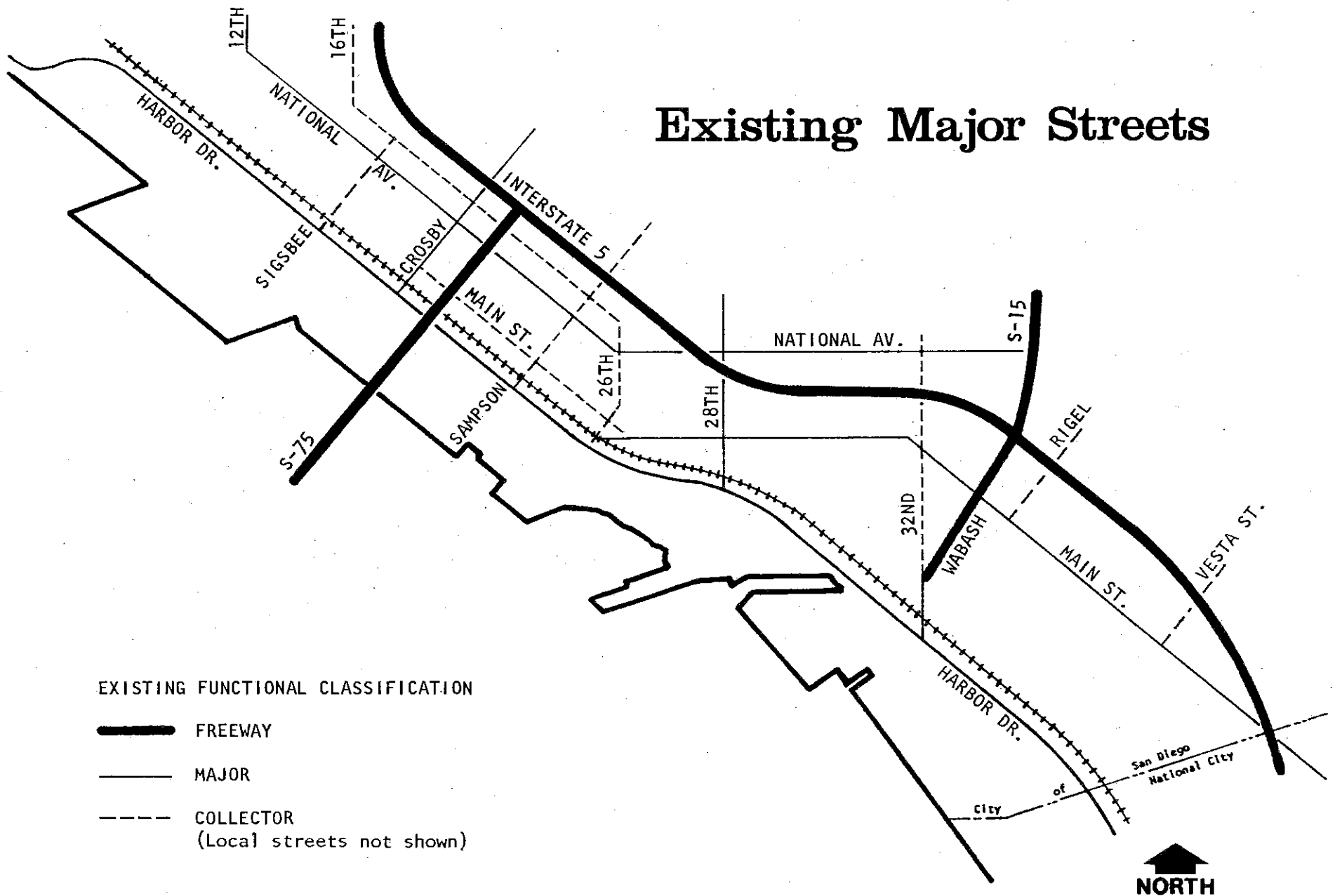
Because of the community's geographical location on the San Diego waterfront, proximity to Downtown San Diego, and its older urban and mixed use characteristics, which have been mentioned at length, transportation plays a major role in the community's development. Practically all known forms of transportation have an important role in the community and its future development. Transportation modes for the Barrio Logan/Harbor 101 community fall into the following categories: Automobile Transportation (freeways, major streets, collector streets, local streets), Public Transportation in the form of rail (MTDB) and Bus Transportation, Industry related Transportation (rail, trucking, and shipping) and Pedestrian/Bicycle Open Space Related Transportation (recreational transit, bicycle and pedestrian). Generally, because of the many existing transportation modes in the community, major circulation conflicts exist.

## AUTOMOBILE TRANSPORTATION



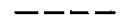
### EXISTING CONDITIONS

Automobile transportation plays a critical role in the Barrio Logan area, as evidenced by the fact that there are three existing freeways in this community, Interstate 5 and SR-15. In addition, the area includes several major streets which serve the region, including National Avenue, Harbor Drive and Main Street. Although Barrio Logan is one of the smallest community planning areas, it has a large amount of land area devoted to transportation. Of particular significance is the limited number of access and exit ramps to I-5 and SR-75, and the 45 degree rotation of the grid street pattern, which create unique traffic operation problems. This entire area was bisected in the 1960's when I-5 was constructed, and, despite several vehicular and pedestrian overpasses, is heavily influenced by this physical and psychic barrier and this means of mobility.

# Existing Major Streets



**EXISTING FUNCTIONAL CLASSIFICATION**

-  **FREEWAY**
-  **MAJOR**
-  **COLLECTOR**  
(Local streets not shown)



## BARRIO LOGAN HARBOR 101

## Street Systems

The street system in the Barrio Logan community has been classified according to the standards of continuity, volume and purposes, and divided into five categories: freeways, prime arterials, major streets, collector streets and local streets. The existing functional classification of streets is shown in the figure and is defined as follows:

- o A freeway, usually under the jurisdiction of the State of California Department of Transportation (CALTRANS) is designed to carry high volumes of traffic at higher speeds over longer distances, and is usually a divided highway with four to eight more lanes. A freeway has full access control and grade separation at all intersections. Examples of freeways in Barrio Logan are I-5 and SR-15.
- o A prime arterial is intended to carry large volumes of through traffic and is usually a divided highway of four to six lanes. There are no prime arterials now in this community.
- o A major street which may be divided is usually four to six lanes with all street crossings at grade. It is designed primarily for through traffic but may provide access to adjacent property as necessary. SR-15 (Coronado Bridge), National Avenue, Harbor Drive, 28th Street, Main Street (between 26th and Division), Crosby and 32nd Streets are all major streets.

- o A collector street functions as a feeder of traffic to the major street and provides continuity with local streets. It is also designed to provide access to abutting property and is typically two to four lanes wide. In the Barrio Logan community, Sigsbee, Sampson, Logan, Rigel, Vesta and Main (between Sigsbee and 26th) are existing collector streets.
- o A local street primarily serves abutting property, with the movement of traffic given a secondary role. It may be a two-lane minor street or a one-lane alley.

## Street Capacity

The City of San Diego (in Council Policy 600-4) has established guidelines for street widths in newly developed areas as a function of anticipated traffic volumes. These standards (Table 1) list the maximum desirable average daily traffic (ADT) for different street curb and right-of-way widths. A comparison of existing traffic volumes with the City street standards reveal a number of streets that are carrying more than the standard recommendations.

Table 1  
CITY OF SAN DIEGO  
STREET DESIGN STANDARDS\*  
1977

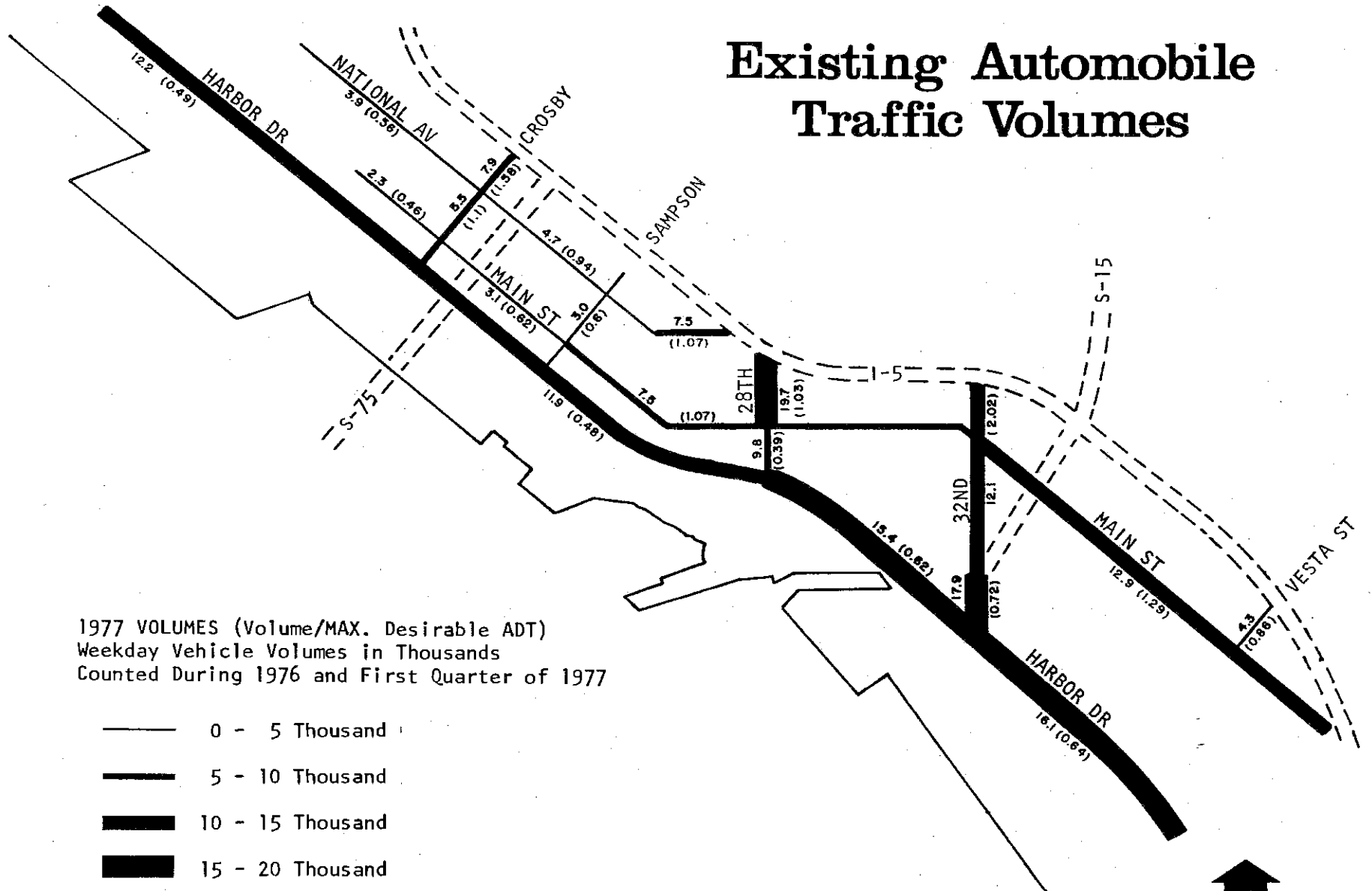
Appendix 1  
(To Council Policy 600-4)

Functional Street Classification	Number of Lanes	Approx. Max. ADT	R.O.W. Widths	Curb (or other) Width	Median Width	Shoulder Width	Minimum Radius of Curve	Maximum Grade
Primary Arterial	6	47,000	122' (1)	102'	14'	8'	1000'	6%
	4	28,000	98' (1)	78'	14'	8'-10' (4)	1000'	6%
Major Street	6 (2)	32,000	122' (3)	102'	14'	8'-10' (4)	1000'	7%
	4	25,000	98' (3)	102'	14'	8'-10' (4)	1000'	7%
	4	18,000	88-98' (5)	68'-78'	4'	8'-10' (4)	1000'	7%
Collector Street	4	10,000	84-98' (5)	64'-78'	0-14'	8'-10' (4)	500'	12% (6)
	2	5,000	60-70' (7)	40'-50' (7)	0'	8'-13'	300'	12% (6)
Local Street (8),								
Industrial	2	5,000	70'	50'	0'	13'	200'	8%
Commercial	4	10,000	84'	64'	0'	8'	200'	8%
	2	5,000	60'	40'	0'	8'	200'	8%
Residential	2	5,000	60'	40'	0'	8'	100'	15%
	2	1,500	56'	36'	0'	8'	100'	15%
	2	700	52' (9)	32' (9)	0'	8'	100'	15%
	2	200	50' (9)	30' (9)	0'	8'	100'	15%
Bikeways								
Separated Facility	-2	--	12'	8'-10' (10)	0'	-	15'	7%
Within Street R/W (11)	2	--	10'-16' (12)	10' (13)	0'	-	15'	Grade of St.
Within Roadway (14)	2	--	--	5'-8'	0'	-	15'	Grade of St.
Alley	2	--	20'	20'	0'	-	100'	15%
Sidewalk	2 (15)	--	--	4'-5' (16)	0'	-	--	Grade of St.

1. Full control of access from abutting property.
2. Used only where property owners elect and are authorized to construct additional lanes to convert a four lane primary arterial to a major street in order to gain access.
3. Access and parking control at critical locations. Additional width required four double left turn lanes.
4. 10' where State or Federal design standards apply.
5. 98' required where left turn lanes are needed.
6. 8% in commercial areas.
7. 70' R.O.W. and 50' curb width in industrial areas.
8. Frontage roads or other single loaded streets: R.O.W. and curb widths may be reduced in residential areas to provide streets of 47/32' (5000 AOT), 43/28' (1500 ADT) and 41/26' (700 & 200 ADT). R.O.W. may be reduced 5' in commercial or industrial areas with no decrease in curb width.
9. Where no parking will be allowed, curb to curb width may be reduced to 24' with right of way width of 44' (R.O.W. 34' where sidewalks are provided separately from streets).
10. 10' facility where substantial amount of traffic volume is anticipated (e.g., near schools).
11. Located in curb to property line area.
12. 16' provides for 6' landscaped separation between bikeway and roadway along major/primary arterials.
13. Street lights, hydrants, etc., accommodated within paved 10' area.
14. One-way traffic on each shoulder, no parking. Separation from traffic lane varies from 6" white line to 2' island.
15. Sidewalk on each side except on single loaded streets.
16. Minimum clear unobstructed width - 4' residential areas, 5' in commercial and industrial areas (excludes curb top width, fire hydrants, light poles, transformers, etc.)

\*NOTE: These are standards applicable primarily to newly developing areas without unusual terrain problems. In difficult terrain and in older developed areas where flexibility is lost, they may represent only desirable goals which the designer attempts to achieve.

# Existing Automobile Traffic Volumes



1977 VOLUMES (Volume/MAX. Desirable ADT)  
 Weekday Vehicle Volumes in Thousands  
 Counted During 1976 and First Quarter of 1977

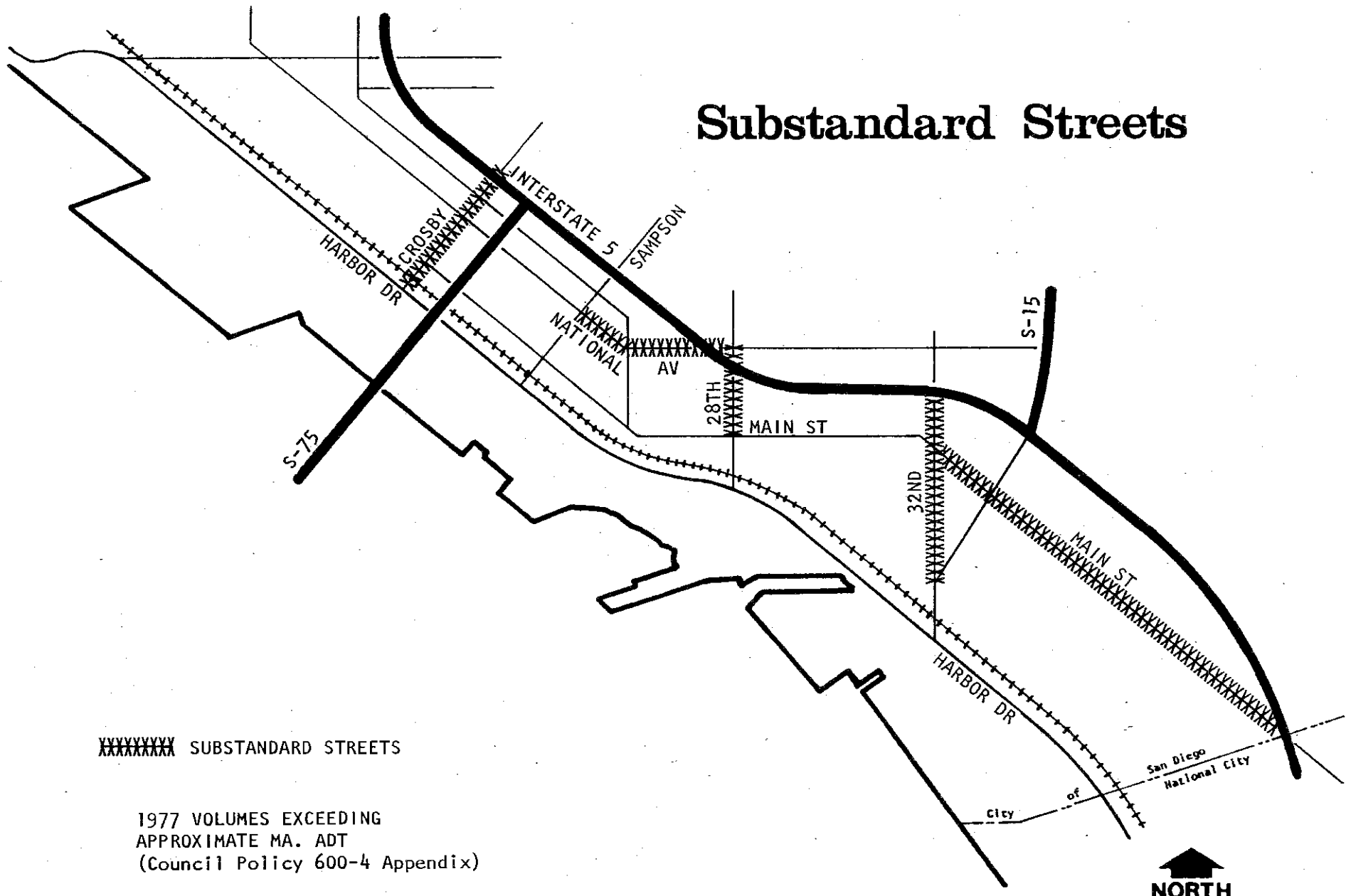
- 0 - 5 Thousand
- 5 - 10 Thousand
- 10 - 15 Thousand
- 15 - 20 Thousand

Example: 5.5 (1.10) = 5500 Vehicles/Day (Volume/Max. Des. ADT = 1.10)



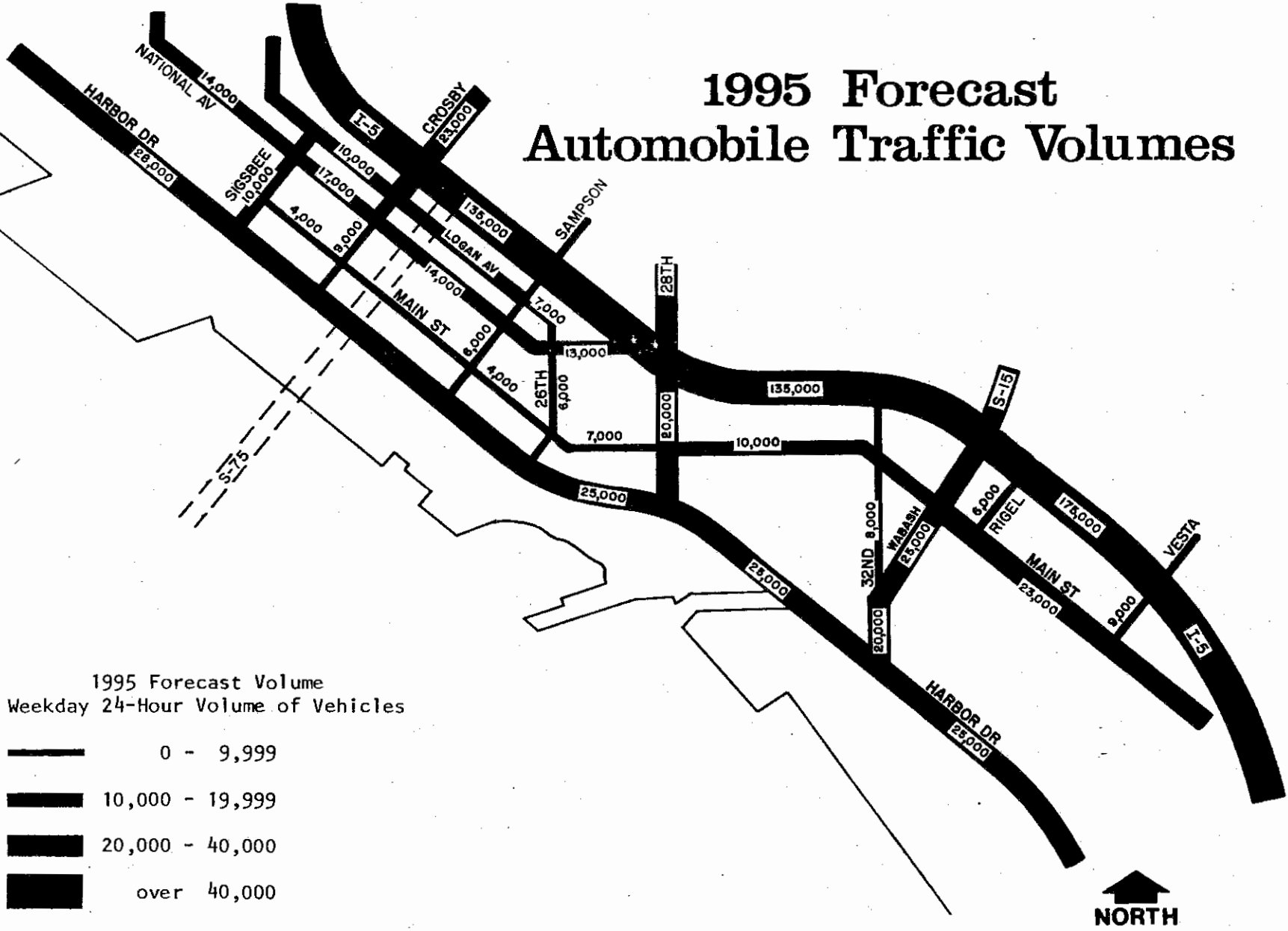
## BARRIO LOGAN HARBOR 101

# Substandard Streets



## BARRIO LOGAN HARBOR 101

# 1995 Forecast Automobile Traffic Volumes



**BARRIO LOGAN  
HARBOR 101**

Thirty-second Street, between Wabash and Interstate 5, is a two-lane roadway that exceeds the desirable ADT by 100 percent. Crosby Street, between National Avenue and Interstate 5, is presently carrying 60 percent more than the desirable ADT, while the segment of Crosby, between Harbor and National, is carrying 10 percent over the desirable ADT. Main Street, between 32nd Street and Division, has an ADT which exceeds the desirable amount by 30 percent. Other streets exceeding desirable ADT by 10 percent are National Avenue between Sampson and 28th and 28th Street between Main Street and National Avenue.

There are several unique traffic generators which cause congestion for short periods of time. National Steel and Ship Building Company causes congestion on 28th Street immediately after the end of workshifts, and the U.S. Naval Station overloads 32nd Street and Wabash Boulevard at certain times of the day as well.

Major problem spots are usually concentrated around entrances to an exits from the freeway which passes through Barrio Logan, illustrating well the major role freeways play in the transportation system of the community and the critical nature of adequate means of access and egress from these roadways.

#### Traffic Volume Trends

Viewing the entire area as a corridor, it is clear that traffic has been diverted from Harbor Drive and Main Street onto I-5, and that all streets which provide direct access to this and other freeways have become more important and more heavily traveled.

#### Accident Rates

All of the streets with ADT which exceed the desirable volume also are experiencing accidents at a rate which far exceeds the average accident rate for streets of that classification, which is not unusual in view of the congestion and friction common in over-capacity roadways. The accident rate on National Avenue significantly exceeds the average rate on its entire length within Barrio Logan, even on the portions with traffic volumes below the desirable ADT, which suggests that street design and/or traffic control improvements are needed. Some of the accident problems may be traced to the fact that National Avenue, only 52 feet wide, has four through lanes and two parking lanes in the section from Imperial Avenue to Crosby, which normally requires 64 to 68 feet of curb width. In addition, Sampson Street exceeds the critical accident rate between Harbor Drive and Kearny.

There are three high volume intersections in the Barrio Logan that are ranked among the City's top 51 intersections based on the 1977 accident rate. Thirty-second and Wabash has had 1.7 to 1.8 accidents per million vehicles entering the intersection in each of the past three years, ranking number 38 in 1977; and the intersection of Crosby and Harbor has had 1.6 to 2.5 accidents per million vehicles in 1975 to 1977, ranking number 51 in 1977.

#### Traffic Control

There are 15 signalized intersections in Barrio Logan, all of which are traffic actuated, and

therefore able to detect and respond to varying intersection traffic volumes. The two signals at 32nd and Wabash and 32nd and Harbor are interconnected and operate a system to optimize traffic flow through both intersections. In addition, eight of the traffic signals have protected left-turn phases for one or more directions. All but five of the intersections in the Barrio Logan area have some form of existing traffic control, either a traffic signals stop signs or yield signs. Three of those intersections have four-way stops presently in operation: Beardsley and National; Crosby and National; and Logan and Sampson.

The intersections of Beardsley and National, Beardsley and Logan, Main and Sampson and Crosby and National have been studied to see how they rank compared to other intersections awaiting possible signalization. Crosby and National has 180 intersections ahead of it on the priority specified traffic characteristics and criteria, and the other three have over 210 intersections ahead of them on the priority list. The City, however, only is able to install about five to ten signals per year because of financial limitations.

#### Parking

There is a serious parking shortage directly related to some of the major industrial employers, particularly National Steel and Ship Building Company, where most employees park on City streets and walk a number of blocks to their place of employment. There is, in fact, a high demand for on-street parking in most of Barrio Logan. There

are no parking meters or parking restrictions on the street in this area and on-street parking spaces have a high occupancy rate. Recent studies made by NASSCO, and the U.S. Navy, specifically point out the need to develop a comprehensive parking program for this area.

## RECOMMENDATIONS:

The 1995 forecast traffic volumes for the Barrio Logan community, based on the proposed community plan, show an increase on almost every street in Barrio Logan/Harbor 101 community. This increase over the 1977 volumes can be as little as 10 percent or, on some major streets, over 100 percent. Specific recommendations for streets and intersections based on these forecast volumes follow.

CAREFUL FREEWAY MANAGEMENT TECHNIQUES SHOULD BE ESTABLISHED, TO INCREASE THE FREEWAY CAPACITY AND MINIMIZE THE IMPACTS OF PROJECTED INCREASE IN TRAFFIC.

There will be significant increase in traffic on Freeway I-5, particularly in the portion south of SR-15, where 175,000 vehicles per day are expected. This will necessitate careful freeway management techniques on the part of CALTRANS to minimize congestion and traffic stoppages, including the possibility of ramp metering, additional travel lanes or other measures. It will also be necessary that parallel major streets, such as Main Street and Harbor Drive be monitored carefully by the City to enhance the capacity and safety of this entire traffic corridor. The anticipated operation by MTDB (Metropolitan Transit Development Board) of a light rail transit system in this corridor will be an additional asset and should further enhance mobility.

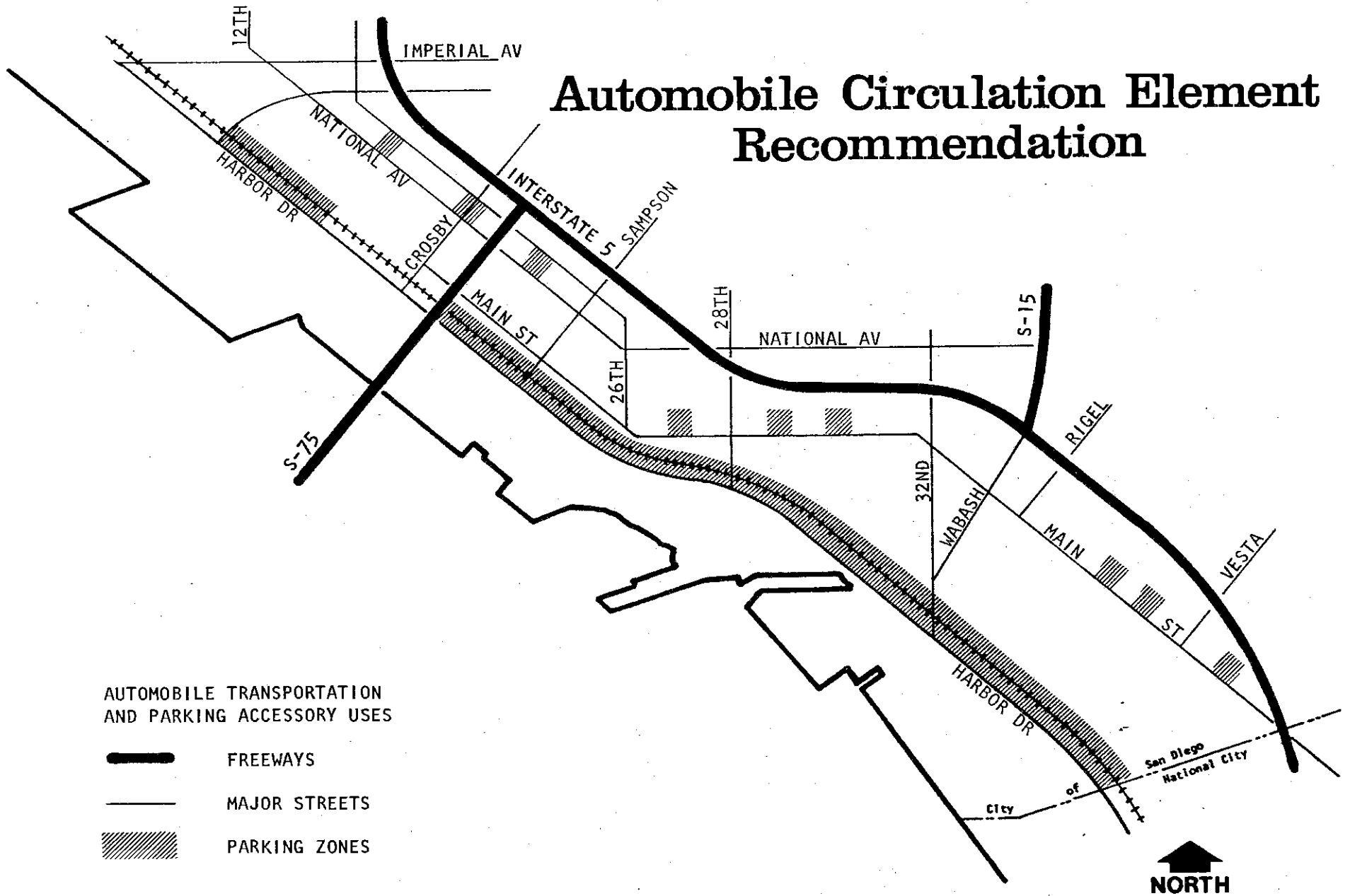
HARBOR DRIVE SHOULD BE REDESIGNED AND RECONSTRUCTED TO ACCOMMODATE MORE EFFICIENTLY THE EXPECTED TRAFFIC, AS WELL AS THE OTHER MODES OF TRANSPORTATION WHICH WILL BE UTILIZING THE ALIGNMENT UNDER THE PROPOSALS OF THIS PLAN.

Harbor Drive, a vital link with Downtown San Diego, will be at capacity by 1995, carrying 25 to 28 thousand vehicles as congestion increases on Interstate 5. To carry these anticipated volumes, it is imperative that any modifications or improvements to Harbor Drive including bikeway and truck routes, either preserve or increase the number of through lanes. The redesign of on-street parking and the planned development of parking reservoir areas, as well as minimizing driveways and intersections with other streets as part of the plan effort, are two strategies which may be necessary under this plan's time-frame.

MEASURES TO INCREASE STREET CAPACITY SHOULD AVOID COSTLY STREET WIDENINGS AND LAND PURCHASES. ACTIONS FOR PRIMARY CONSIDERATION SHOULD INCLUDE ON-STREET PARKING LIMITATIONS DURING PEAK TRAFFIC HOURS, STRIPING TURN LANES, AND INTER-CONNECTING TRAFFIC SIGNALS.

Main Street, between 32nd Street and Division:  
This section of Main Street is forecast to have a significant increase in traffic volumes with 23,000 average daily trips expected by 1995. The existing street width which is generally 52 feet, with parking allowed on both sides of the street, will prove inadequate to handle these volumes without serious congestion and delay. Measures to increase the capacity including some widening of the street

# Automobile Circulation Element Recommendation



on the west side which is owned by the U.S. Navy, traffic management techniques and the striping of left turn lanes and/or additional through lanes should be investigated by the City's Traffic Operations Section.

Main Street, Sigsbee to Sampson: This portion of Main Street, a collector street with a 52 foot curb-to-curb width, is only forecast to carry 4,000 average daily trips, a minimal increase over existing volumes. The street is not a through street in that it terminates in a T-intersection at Sigsbee. The development of the Plan's proposed Educational/Cultural Center in the area of Newton, Harbor Drive, Sigsbee and Beardsley, may necessitate the closing of that portion of Main Street between Sigsbee and Beardsley. The closing of this portion of Main Street would divert 3,000-4,000 trips onto parallel streets, mainly Harbor Drive, National Avenue and to a lesser degree, Newton Avenue.

National Avenue is forecast to have 14,000 vehicles per day which is almost twice the existing volume. The 52 foot curb-to-curb street width on National Avenue can probably accommodate this volume if it is managed and operated so as to maximize capacity. An investigation of measures to increase capacity should be conducted by the City's Traffic Operations Section examining alternatives for restriping the portion of National Avenue that is only striped for two through lanes and the select prohibition of parking at peak periods in certain locations in one or both sides as necessary.

#### THE FOLLOWING INTERSECTIONS ARE RECOMMENDED FOR INVESTIGATION FOR TRAFFIC OPERATIONS BASED ON THE TRAVEL FORECAST:

The following recommendations should be studied by the City's Traffic Operations Section.

##### Crosby and Logan:

Because both Crosby and Logan avenues are forecast to experience increases in volume and in view of the existing congestion at this intersection, an investigation should be conducted to determine how intersection capacity and efficiency should be increased. A modification of the phasing, the addition of through lanes, or the construction of right turn slots and temporary parking prohibition, are possibilities which warrant considerations.

##### Crosby and National:

Because of the same reasons as listed above and the anticipated increase in National's traffic volumes, this intersection presently a four-way stop, will need to be improved with regard to capacity during this plan's time-span.

##### 28th and Harbor:

Because both Harbor Drive and 28th Street will have higher volumes than they do presently, and because of the congestion that exists now during certain times of the day, an investigation into the efficiency of this traffic signal should be conducted. Considerations of transportation management tools such as those previously mentioned should be considered.

REINFORCE AND ENHANCE LINKAGES TO SURROUNDING COMMUNITIES.

Beautify the major access points into the Barrio Logan/Harbor 101 community particularly the regional access points, the freeways and the street links Harbor Drive, National Avenue, Imperial Avenue, Commercial, Crosby, 28th, 32nd, Rigel, Vesta and Main Street.

PROVIDE WAYS AND MEANS TO MAKE EFFICIENT USE OF THE SCARCE LAND AREA BY PROPER UTILIZATION OF CIRCULATION ROUTES.

Provide parking areas where automobile storage, parking and related uses can be concentrated. By doing this, some land presently used for parking can be reused for expanded industrial, residential and other activities as may be found necessary without need to undertake major improvements and land clearing. By organizing major access routes, and establishing parking areas, parking conflicts on residential streets may be reduced.

The railroad right-of-way should be consolidated, excess lands put to other use, in those areas not needed by the MTDB transit system for trackage and stations.

Streets that are not major or collector streets should be designed for access to the individual properties. Possibilities exist in these areas after further study for narrowing and cul-de-sacing. Those street areas not necessary for automobile use could be reused as small plazas, pocket parks, and even new building and development areas.

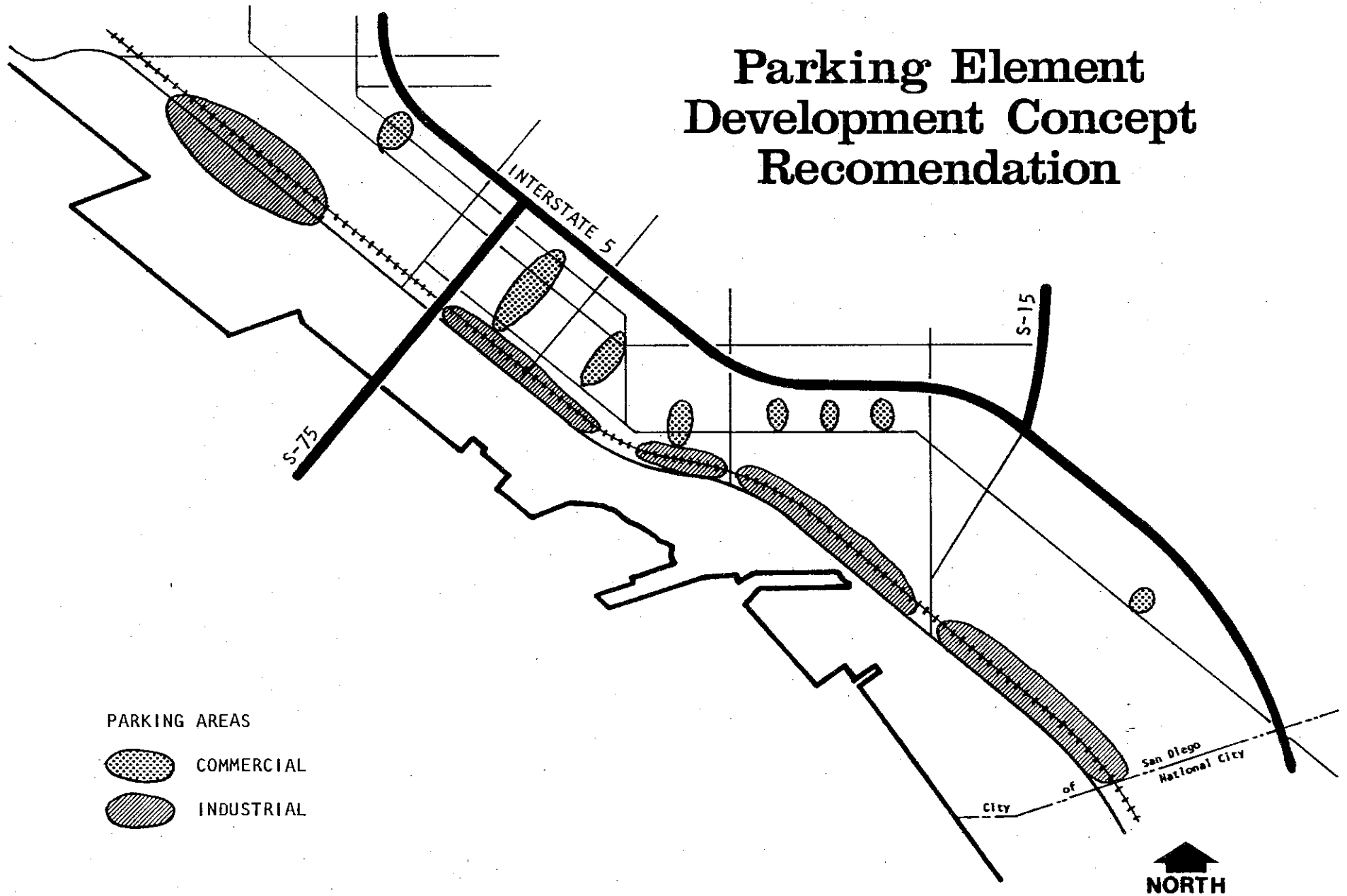
PARKING ACTIVITIES SHOULD BE ENVISIONED AS ACCESSORY USES TO THE AUTOMOBILE TRANSPORTATION SYSTEM. THIS PLAN RECOMMENDS THE DELINEATION OF PARKING AREAS ALONG HARBOR DRIVE PRIMARILY AND OTHER AREAS AS NECESSARY TO ACCOMMODATE OTHER COMMERCIAL AND COMMUNITY FACILITY'S PARKING NEEDS.

The Plan recommends the development of a parking system delineating the most desirable locations for such a system. The size and number of cars to be accommodated in each area should be the subject of a subsequent survey and proposal resulting from specific redevelopment studies.

Industry/employee related parking should be developed in a linear fashion along Harbor Drive and the extension of Commercial Street into the proposed new industrial park. It is important to consider the height and scale of the parking which should not overshadow surrounding development. Parking structures should be preferably removable temporary parking structures which can be added onto or removed as demand warrants; or with permanent but reusable structures which can be converted to other building use. The ground floors could be used for employee related commercial services, eating establishments, gasoline stations, auto repair shops and other service uses.

Commercial related parking should be developed to serve the commercial uses particularly along the Logan and National Avenues and Main Street areas. Off-street parking could be developed in small parking lots off the main street and cross-streets which are not critical to the major circulation system in the community could be closed to through traffic and used as parking areas.

# Parking Element Development Concept Recomendation



**BARRIO LOGAN  
HARBOR 101**

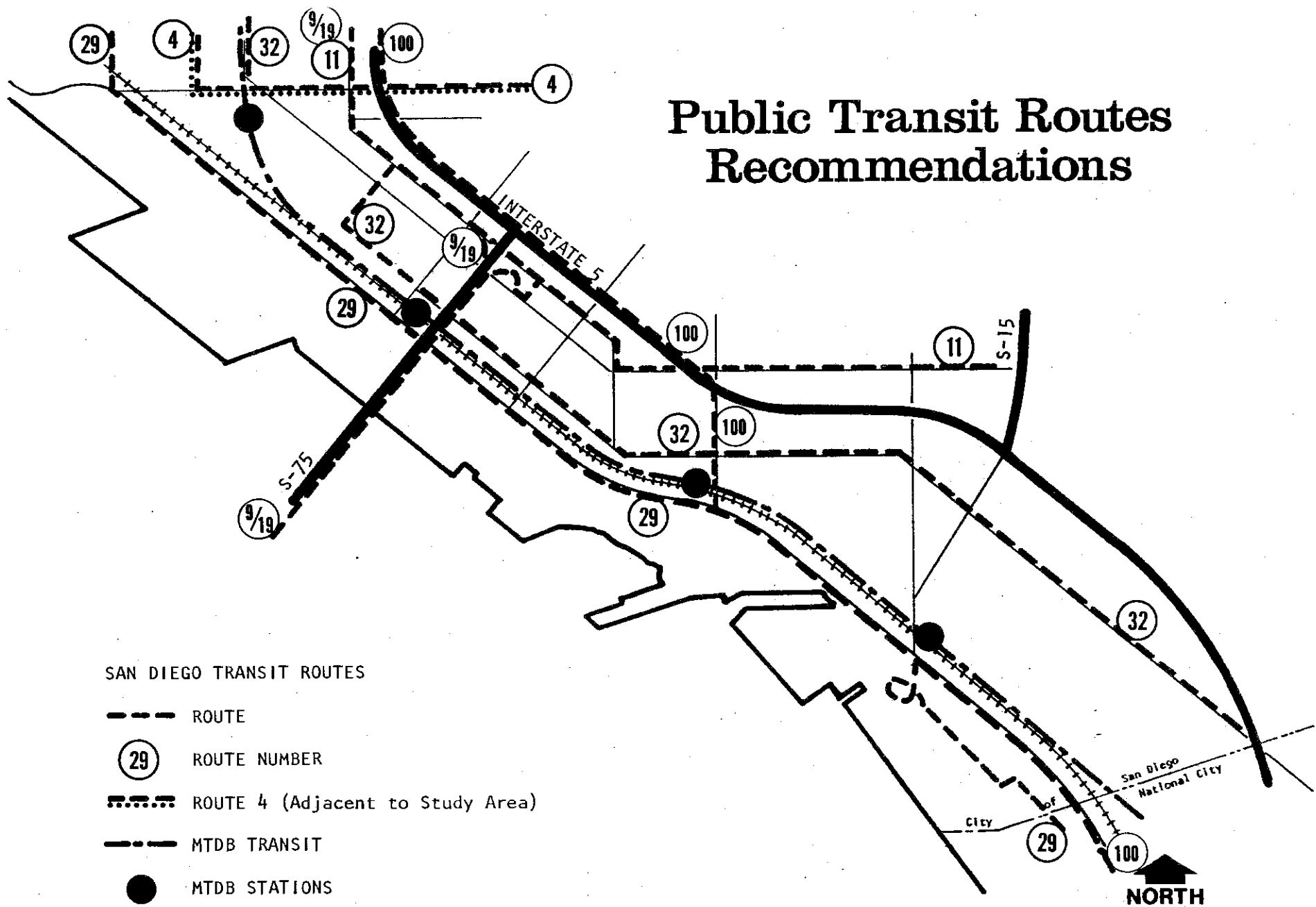
The Navy's commercial and industrial areas provide their own parking. The industry related parking is located already along Harbor Drive, although its layout at present is very inefficient. The commercial area could accommodate its parking needs into the same Harbor Drive parking reservoir concept.

Consideration should be given to prohibit all day parking in residential neighborhoods. This action should be coupled with the establishment of parking facilities for industrial workers in order to reduce disruption to the residential and business community.

Because the existing street system will be called upon to serve the increasing transportation needs of the region, including pedestrian, bicycle, transit and vehicular traffic. It will be both impractical and unsafe in the long-term to use all streets for the storage of parked vehicles. Local employers, the Port District and its tenants should provide sufficient off-street parking for both employees and customers, so the streets can be better used for the safe and efficient movement of people.

It is recommended that the extension of Commercial Street at Harbor Drive studied as part of the industrial park development. A potential extension of Commercial Street in conjunction with the Industrial Park development proposal would provide additional needed access to the industrial development minimizing some effects on the remainder of the community's street system.

# Public Transit Routes Recommendations



## BARRIO LOGAN HARBOR 101

## PUBLIC TRANSPORTATION

### EXISTING CONDITIONS

The Barrio Logan area is quite well served by public transportation with five San Diego transit bus routes passing through the area. Three routes, Number 29, 32 and 100 connect with destinations to the south including Chula Vista, Imperial Beach and San Ysidro while Route Number 9/19 provides a link with Coronado via the Coronado Bay Bridge. Route 11 serves as a link with Southeast San Diego and Spring Valley. In addition, all five routes connect with Downtown San Diego and other points in the City. Route 100 is an express route using Interstate 5 for part of its route between Downtown and Imperial Beach. Most major employers and Naval facilities in Barrio Logan are on or near a San Diego Transit route. Headways on all bus routes are usually 30 minutes or less but the peak ratio of passengers to number of seats (seated capacity) is quite high for Routes 9 and 32. Studies done by San Diego Transit Corporation show bus use to be very high in this community when compared to the rest of the City, making this a high transit dependent community.

Negotiations are underway between the San Diego Arizona and Eastern railroad and the Metropolitan Transit Development Board to purchase the railroad properties in order to develop a light rail transit link between Downtown San Diego and the U.S./Mexican Border to the south. MTDB's proposals have been given approval by the City Council and the agency is proceeding to purchase and develop the property. The light rail transit plans envision a rail link generally along Harbor Drive and three stations within the Barrio Logan/Harbor 101 community planning area.

### RECOMMENDATIONS:

ESTABLISH A MULTI-MODAL TRANSPORTATION SYSTEM THROUGHOUT THE COMMUNITY.

The multi-modal transportation system concept should be designed throughout the community not only to accommodate the automobile, but to accommodate public transportation, especially buses and light rail as proposed by MTDB with proper connections with related pedestrians and bicycle circulation networks.

EXISTING BUS ROUTES SHOULD BE IMPROVED AS POSSIBLE TO PROVIDE MORE SERVICE TO THE COMMUNITY'S RESIDENTIAL AND WORKING POPULATIONS.

This Plan recommends the maintenance of existing routes and expansion of their service hours and headways as this becomes economically viable to provide greater and more dependable service to both residential and working communities. The concentration of industry in this generally small area is an under-developed public transit asset, as is the transit-oriented local resident population. Future emphasis on bus and rail transportation in this community could do much to help minimize transportation over-dependence on the automobile, particularly for inter-community transportation, easterly of the MTDB light rail transit. When this light rail system is completed, the bus routes should be modified to provide access to the transit stations from the surrounding community.

THIS PLAN RECOMMENDS THE SUPPORT OF THE PROPOSED LIGHT RAIL TRANSIT ALIGNMENT FROM DOWNTOWN SAN DIEGO TO THE U.S./MEXICAN INTERNATIONAL BORDER.

The Metropolitan Transit Development Board (MTDB) is in the process of purchasing the necessary railroad right-of-way from the Arizona and Eastern Railroad to implement a light rail transportation system. The first phase of which will include a link between Downtown San Diego and San Ysidro. The Barrio Logan/Harbor 101 community is within that alignment. This plan supports and encourages the implementation of that proposal. The plan's land use decisions are designed to accommodate and reinforce that alignment by establishing the greatest density of industrial development and the community facility (Educational/Cultural Center) locations in close relationship to that proposed transit system's alignment. Therefore, the MTDB light rail proposal would serve the plan's industrial use proposals and development (the new industrial park) the Bay Access and Industrial Development proposals, the Educational/Cultural Center proposal, and the Housing proposals.

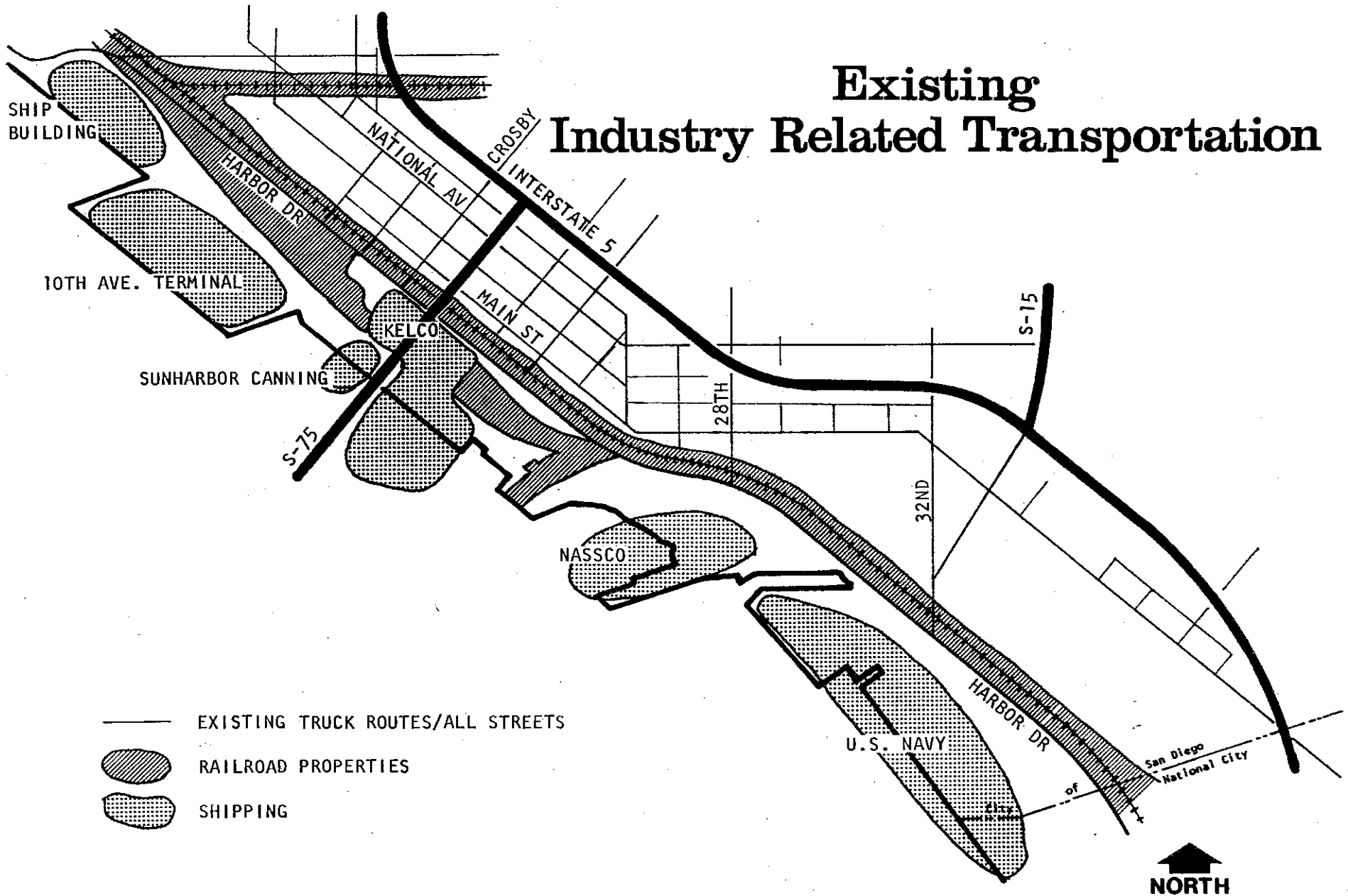
THIS PLAN RECOMMENDS THAT THE LIGHT RAIL TRANSIT STATION LOCATIONS BE LOCATED TO SERVE THE PLAN'S SPECIFIC LAND USE RECOMMENDATIONS.

This Plan recommends that a transit terminal be developed within the proposed industrial park as well as within the Chicano Park Area. This proposal would locate two stations. One station should be designed to directly serve the industrial park estimated to generate approximately 2,000 jobs and the 10th Avenue Marine Terminal, which by

itself represents a source of transit dependent population from the ships berthed at the docks. The other station should be located to serve the plan's recommended Educational/Cultural Center which also links to Chicano Park and the Bay Access area, as well as adjacent rehabilitated major industry and also provides direct links to the heart of the community's residential areas.



# Existing Industry Related Transportation



## BARRIO LOGAN HARBOR 101

## INDUSTRY RELATED TRANSPORTATION

### EXISTING CONDITIONS

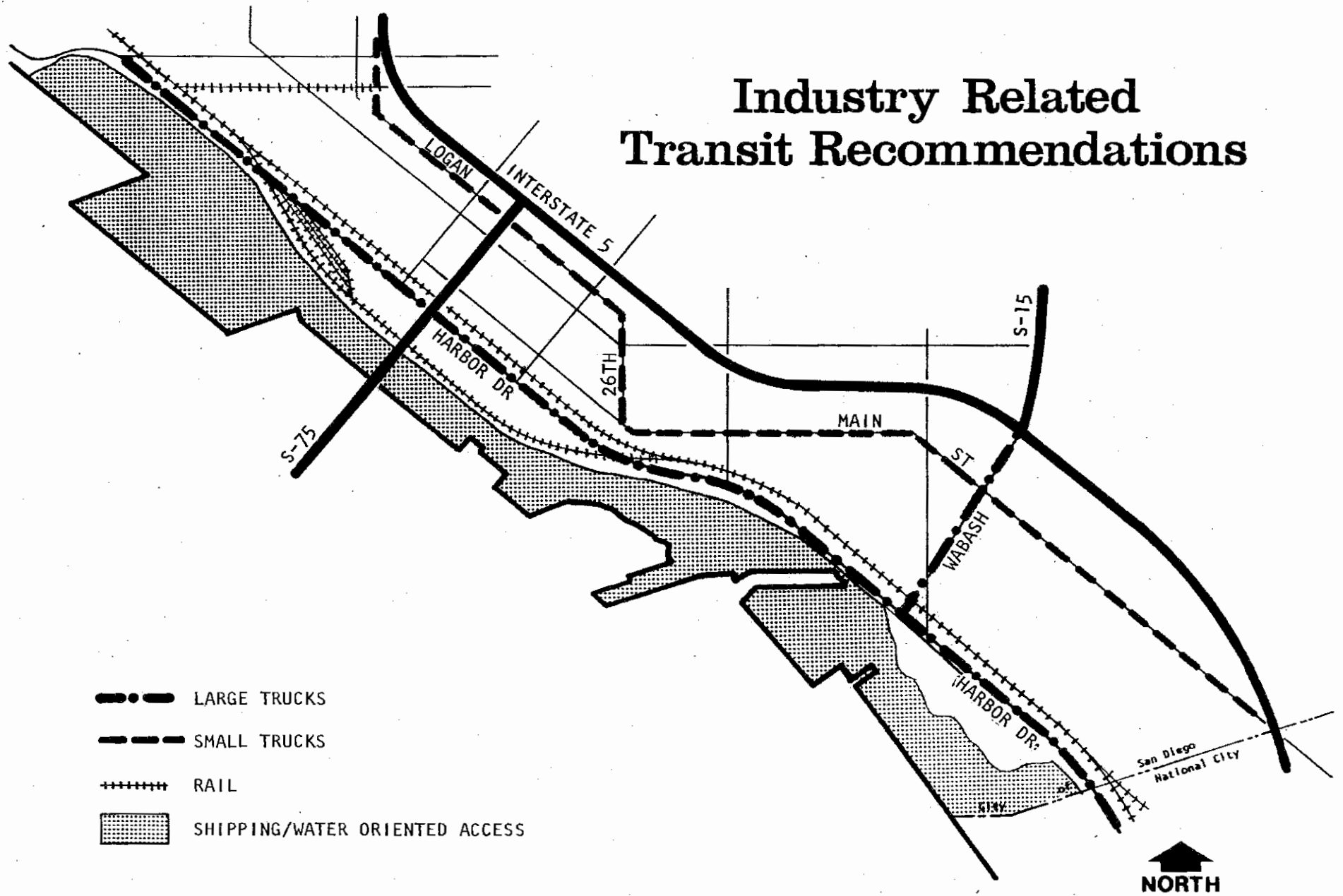
Due to the extensive industrial development in the community, transportation modes servicing the industrial uses are often in conflict with other community movement systems. A particular cause of conflict are the industrial trucks and their use of streets throughout the community which also serve the residents, employees and other smaller community business. In addition, to the fact that the streets are not designed to accommodate the large trucks and too often traffic signs are torn down by a moving truck. There are noise effects and pedestrian safety issues to consider.

The railroad also intersects the community and serves industrial activities and adjacent community areas, particularly to the south. Several railroad links cross the Barrio Logan/Harbor 101 area. Their main function is to transport industrial cargo. A large switch yard is also located in the northeastern portion of the community partially within Port District lands. Although somewhat reduced, due to the redevelopment of most industrial activities to residential uses in the Centre City Community Planning area, railroad cargo transportation will still play a part in the transportation system of the Barrio Logan/Harbor 101 community, particularly in relation to the Port District's interests in the 10th Avenue Marine Terminal and other major tidelands industrial users.

Shipping is another major industrial-oriented transportation system, which within this community plan, is controlled by the U.S. Navy and the San

Diego Unified Port District. The shipping industry is critical to the well-being of the region's industry and its expansion in general. The further distribution of goods and services carried by this shipping industry require the interrelationship of other already mentioned transportation systems such as rail, trucking, public transportation and road access.

# Industry Related Transit Recommendations



## BARRIO LOGAN HARBOR 101

## RECOMMENDATIONS:

DISCOURAGE THROUGH TRAFFIC CIRCULATION AND NOISE PRODUCING VEHICLES FROM THEIR USE OF LOCAL STREET.

The Plan recommends that truck access particularly, be established through prescribed streets properly designed to accommodate these vehicles and not affecting the residential and business sector of the community.

DEVELOP COMMERCIAL TRUCK ROUTES TO ELIMINATE THE USE OF RESIDENTIAL STREETS AS THROUGH TRUCK ROUTES.

Develop traffic routes for inter- and intra-community truck traffic. Accessibility for trucks and industry service vehicles should be limited to those streets which directly serve the major industrial/commercial centers. There are two types of truck service, large trucks serving the industry which should limit their movement to K and Imperial streets which have specially designed freeway truck access ramps, and Harbor Drive, Commercial Street and Wabash Boulevard. Smaller trucks serving commercial business should limit their movements to Logan Avenue, National, 26th Street, Main Street, Crosby, 28th 32nd, and Vesta, as well as used the other mentioned truck routes are to be considered the through truck routes, further distributive service should be from these corridors. Consideration could also be given in the future to truck operational hours in order to avoid traffic conflicts with residential needs and commuter access.

INDUSTRIAL RAIL ACCESS SHOULD BE CONTINUED WITH AN EFFICIENT USE MADE OF THE EXISTING RIGHT-OF-WAY.

Rail access should be maintained to serve the major industrial areas along the waterfront and provide continued access to the industrial areas in the communities to the south of Barrio Logan/Harbor 101 community.

REINFORCE THE SHIPPING INDUSTRY ALONG THE WATERFRONT THROUGH CAREFUL COORDINATION AND INTERFACE WITH RELATED TRANSPORTATION SYSTEMS.

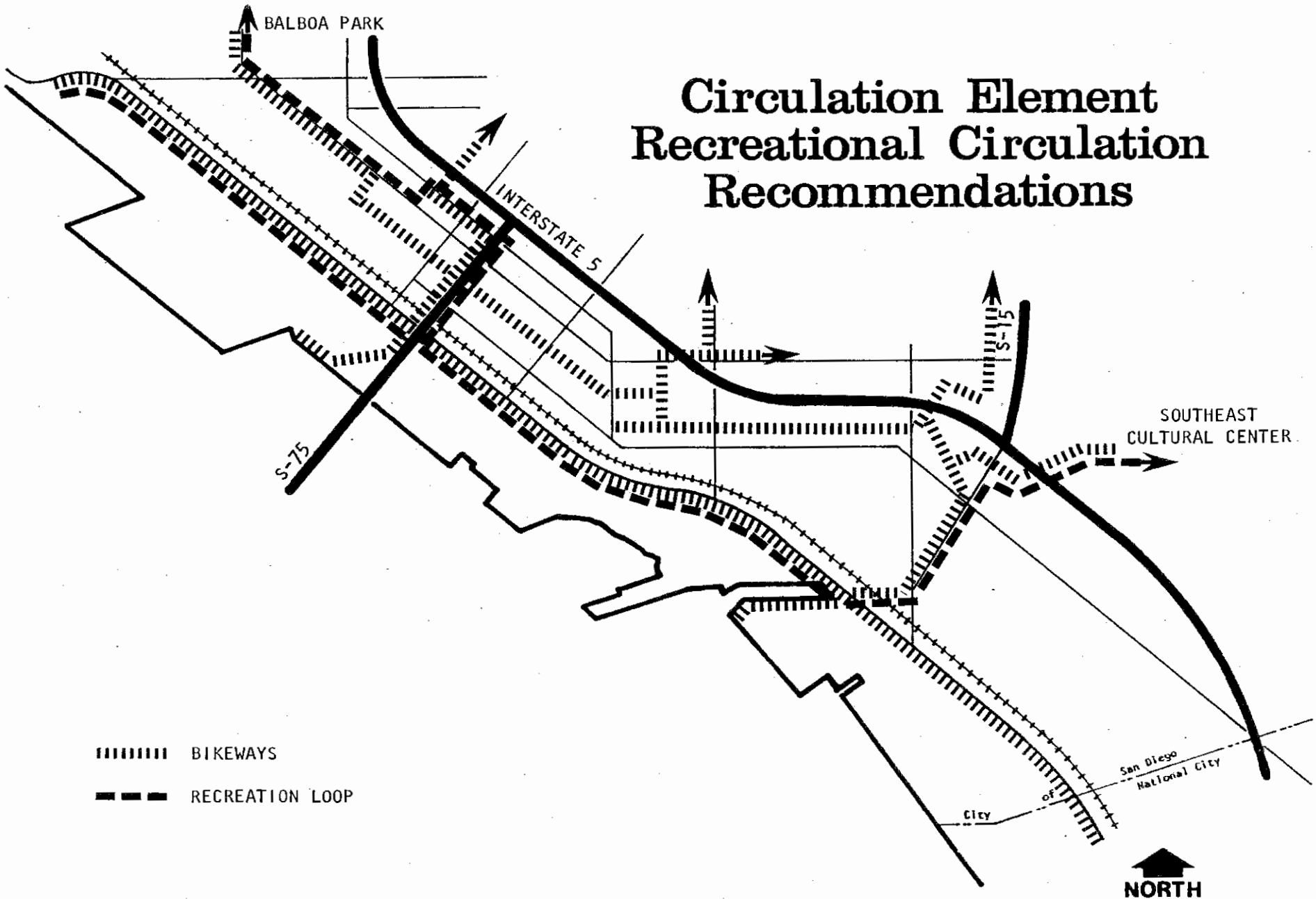
Given the fact that shipping transportation is located along the waterfront, the development of the Harbor Drive corridor is a critical element to the development of this industry. Therefore, the development and design of transportation systems along the Harbor Drive corridor is a key recommendation of this plan. This development should include auto access, industrial rail access and trucking as a key distributive transportation systems critical to the development of shipping. In addition, the MTDB rail transit and the bus system become important in providing additional access possibilities to personnel of the shipping industry which often are transit dependent.

Other related considerations are the location of industrial uses served by the shipping industry along this same corridor and the storage needs required by shipping. In this respect, the 10th

Avenue Terminal becomes a major consideration not only as an origin and destination source, but also in terms of needs for warehousing in relation to the shipping industry's expansion needs. For that purpose, this community plan recommends that the Industrial Park Development adjacent to the 10th Avenue Terminal, consider this site as a potential expansion area for the 10th Avenue Terminal described in the Industrial Element of this Plan.



# Circulation Element Recreational Circulation Recommendations



- BIKEWAYS
- RECREATION LOOP

## BARRIO LOGAN HARBOR 101

## PEDESTRIAN/BICYCLE/OPEN SPACE RELATED TRANSPORTATION

### EXISTING CONDITIONS

Non-motorized forms of transportation including bicycling have experienced an increase in popularity recently in response to concerns about both personal and environmental health. The result has been a boom in bicycling, walking, jogging and horseback riding. Even though bicycling is both for transportation and recreation, bikeways are nevertheless an important part of the circulation system.

Bikeways are generally divided into three categories based on the degree of improvement and access control. These include bicycle paths, bicycle lanes and bicycle routes. The City of San Diego is involved in a program of establishing a City-wide system of bikeways, the goal of which is to link all of the community bikeways with the City-wide system.

Bicyclists are limited, at present, to signed bicycle routes on narrow heavily travelled streets with on-street parking. There are no bicycle paths or lanes at present. A major north-south bicycle route exists along Harbor Drive and other bicycle routes of community significance are along Main Street (between Sigsbee and Division), National Avenue (between Crosby and the edge of Barrio Logan), Crosby Street (between Main and I-5), 32nd Street (preceeding north from Wabash) and Vesta Street north of Main Street.

There are a number of freeway crossings only for non-motorized transportation allowing greater access and safety for pedestrians and bicyclists.

These cross I-5 at Beardsley Street, Dewey Street and 30th Street, helping to unite areas bisected by the freeway.

Because of the development patterns, Barrio Logan does not have a separate riding and hiking trail system. Pedestrian activities are confined to the existing sidewalk system, the condition of which ranges from poor to average. Most streets in the area have sidewalks, Harbor Drive being a significant exception. In addition to the three interstate pedestrian/bicycle overpasses mentioned earlier, there are three other pedestrian overpasses, one on Harbor Drive, at 32nd Street; one on Harbor Drive, at 1200 feet south of 32nd Street; and one on 32nd Street at Harbor Drive which is connected to the bridge over Harbor Drive at this location.

Eight of the traffic signals in the Barrio Logan area have pedestrian phases which respond to pedestrians who use the push-button detector and which then provide sufficient time to safely cross the street. Those eight signals and all pedestrian overpasses are shown "Pedestrian-Oriented Traffic Control".

In summary, pedestrian circulation in Barrio Logan is hampered and less enjoyable because of the numerous pedestrian-vehicle conflicts encountered and the absence of pedestrian trails (other than sidewalks).

## RECOMMENDATIONS:

THIS PLAN RECOMMENDS THAT BIKEWAYS BE DEVELOPED TO FOLLOW ROUTES THAT LINK TO SURROUNDING COMMUNITIES AS WELL AS TO MAJOR OPEN SPACE AREAS.

The plan recommends the completion of the proposed Harbor Drive bikeway link and the further development of other links through the community to the Southeast San Diego, Centre City and Balboa Park areas, as well as through Chollas Creek to the inland communities and canyons.

PEDESTRIAN AREAS SHOULD BE CAREFULLY DESIGNED TO LINK THE DIFFERENT COMMUNITY NEIGHBORHOODS, COMMUNITY FACILITIES AND TO INTERFACE ALL OTHER TRANSPORTATION MODES.

The pedestrian environment in the Barrio Logan/Harbor 101 community should be enhanced and reinforced. It is important that pedestrian paths be integrated both with the open space system, the neighborhoods, and the activity centers in the community including the transit stations and the parking reservoir areas. It should be remembered that a car/driver becomes a pedestrian once the vehicle reaches its destination. This recommendation particularly affects the public right-of-way areas in terms of beautification possibilities and general community enhancement.

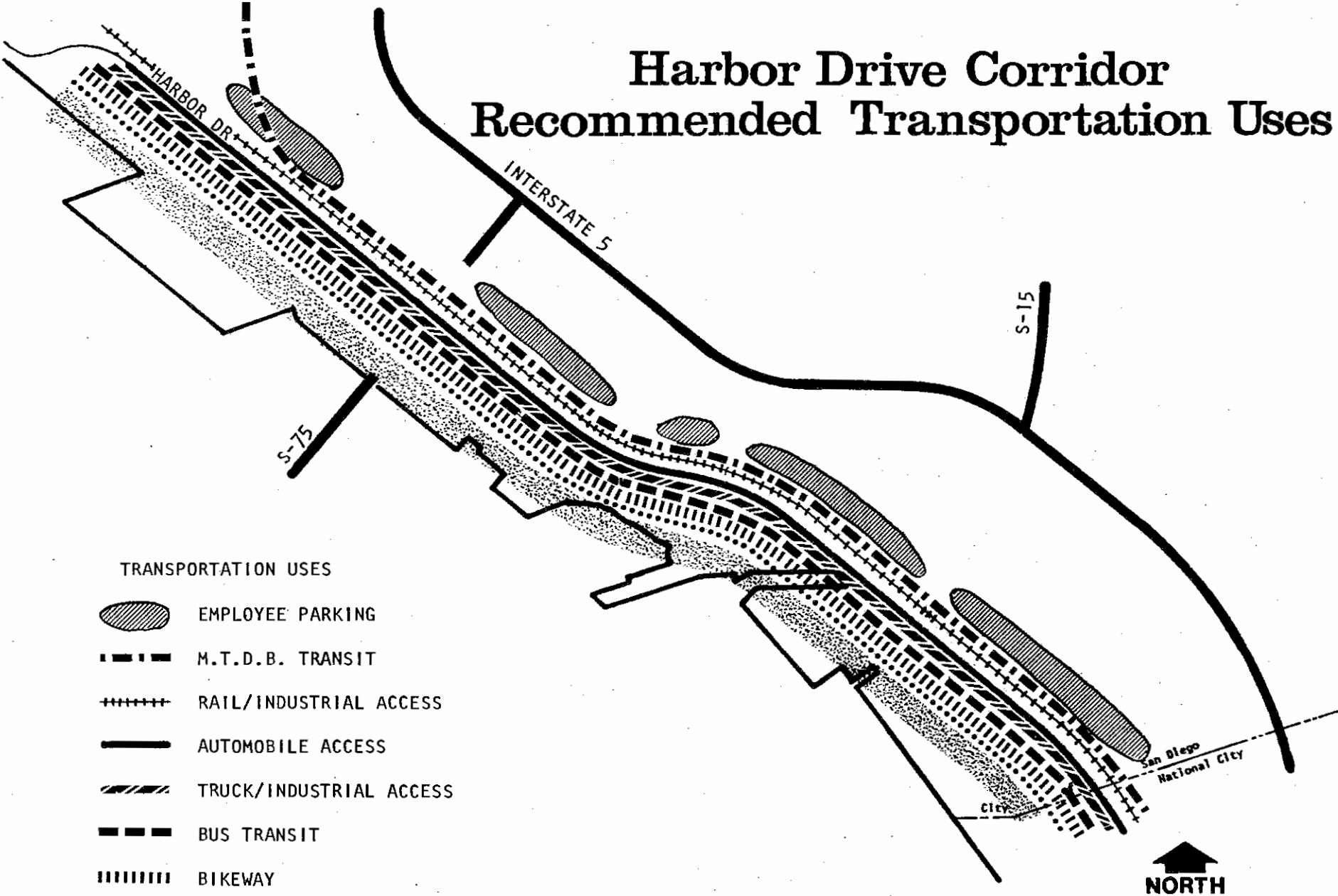
THIS PLAN RECOMMENDS THAT A MAJOR BEAUTIFICATION AND LANDSCAPING EFFORT BE MADE ALONG THE MAJOR TRANSPORTATION CORRIDORS.

A beautification and tree planting campaign should be pursued along Interstate I-5 with landscaping and mounding wherever possible to mitigate the freeway's environmental impacts on the community. CALTRANS has present plans for I-5 landscaping which this plan supports and along Harbor Drive and the major streets that link the Barrio Logan/Harbor 101 community to surrounding communities. Plant materials should be drought resistant. Much of this work would be undertaken by CALTRANS, MTDB, the City, and Port District.










IT IS RECOMMENDED THAT CONSIDERATION BE GIVEN TO THE EXTENSION OF CENTRE CITY'S PROPOSED RECREATIONAL TRANSIT LINK INTO THE BARRIO LOGAN/HARBOR 101 COMMUNITY.

This plan recommends that the proposed Centre City system, if realized financially, be extended along Harbor Drive, and from the Fifth Avenue Gaslamp Quarter to Chicano Park and Logan Avenue to 12th Avenue and Balboa Park. A further and future extension of this link could include Chollas Creek and East San Diego under I-5 and SR-15 to the Southeast Education/Cultural Center and the inland open space and Canyon systems.

# Harbor Drive Corridor Recommended Transportation Uses



**TRANSPORTATION USES**

-  EMPLOYEE PARKING
-  M.T.D.B. TRANSIT
-  RAIL/INDUSTRIAL ACCESS
-  AUTOMOBILE ACCESS
-  TRUCK/INDUSTRIAL ACCESS
-  BUS TRANSIT
-  BIKEWAY
-  PEDESTRIAN ACCESS
-  LANDSCAPING & BEAUTIFICATION



**BARRIO LOGAN  
HARBOR 101**

#### IMPLEMENTATION RECOMMENDATIONS:

The most important transportation implementation recommendation includes the redesign and reconstruction of Harbor Drive. This corridor will be the one most affected by increased traffic volumes resulting from this plan. It will also be the most affected from the fact that practically all transportation recommendations include this corridor in their proposals. The corridor will include the design for accommodation of truck lanes, the integration of the MTDB light rail transit, maintenance of the industrial rail transit, inclusion of bus routes and stops, and the development of the industrial employee parking proposal, together with the incorporation of the regional bicycle route, and the necessary pedestrian links and crossings. Completion of this single project would implement the greatest portion of the transportation element, leaving other recommendations to administrative and management methods which are reasonably simple to implement and less costly.

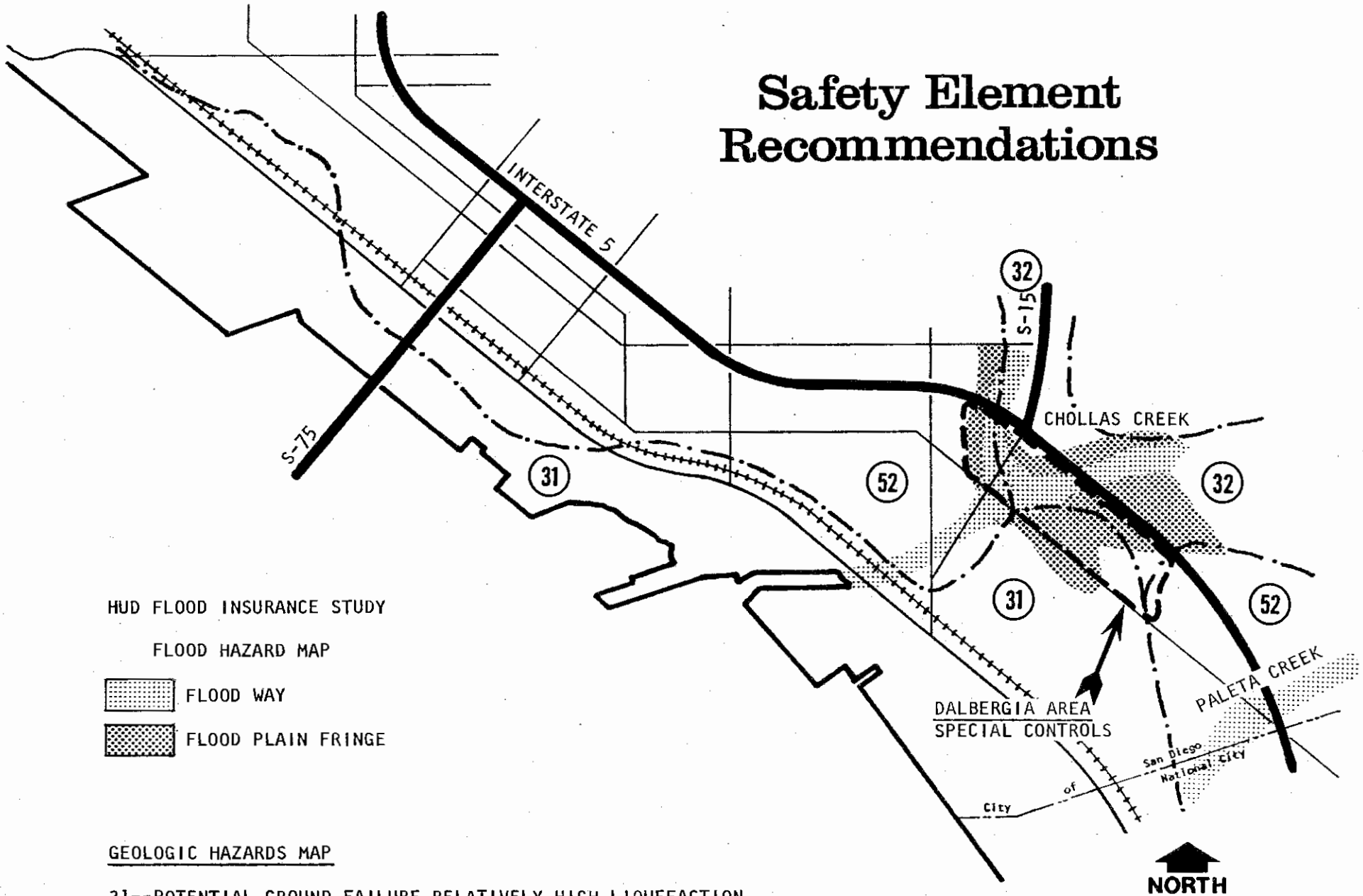
Implementation of this project will also involve the greatest number of agencies such as the City, Port District, MTDB, CALTRANS, the U.S. Navy, and other related agencies such as the Bridge Authority, Coastal Commission, School District, Community Colleges, and private enterprises (in relation to the recommended parking district). The coordination of all of these agencies could be most efficiently realized through the redevelopment process so that all actions are planned and coordinated from a central point.

Assessment districts for parking should be coordinated by the redevelopment agency, with the participation of other agencies and private enterprise, as these are affected.

The City of San Diego, through its redevelopment agency, should also coordinate the administrative and management actions recommended in this Plan with all affected parties.





# Safety Element Recommendations



HUD FLOOD INSURANCE STUDY

FLOOD HAZARD MAP

-  FLOOD WAY
-  FLOOD PLAIN FRINGE

GEOLOGIC HAZARDS MAP

- 31--POTENTIAL GROUND FAILURE RELATIVELY HIGH LIQUEFACTION
- 32--POTENTIAL GROUND FAILURE RELATIVELY LOW LIQUEFACTION
- 52--GENERALLY STABLE

SOURCE: City Seismic Safety Study

## BARRIO LOGAN HARBOR 101

# Safety Element

The Safety Element is divided into three major topics; Earthquake Risk, Flood Hazard, and Accident Potential from dangerous materials. Most of the existing condition information related to these topics, and mitigating methods are included in the Environmental Impact Report Section of this Plan.

## EXISTING CONDITIONS:

### Earthquake Risk:

The Rose Canyon-Tijuana Fault line, runs through San Diego Bay, a trace of it has been identified at the water edge of the Port's 10 Avenue Terminal. Generally, the waterfront area at the tidelands, (land fill area) has soils prone to liquefaction. Land Uses in this area should be of a low risk nature and low intensity development.

### Flooding:

The southern section of the planning area is subject to the flooding of Chollas Creek and Paleta Creek. According to the Army Corps of Engineers, a 100-year-flood could occur under extreme rain conditions. The Corps have proposed a flood control project, since present facilities are not designed for the 100-year-flood conditions. The benefits of such a project, in the past, have not warranted the public expense. But with the proposed major improvements and the adjacent Navy development proposal, and capital improvements envisioned in this plan, the protection works will probably be warranted and cost beneficial.

Freeway I-15 and I-5 interchanges are within this flooding area, they are elevated and little affected by flooding. Areas subject to flooding, would affect the Dalbergia housing area, and some of the Navy facilities such as the golf course, recreational areas, some of the Navy's large residences on the Base, and a portion of the Navy parking lot. The NASSCO industrial establishment and shipbuilding activities will also be affected.

### Dangerous Materials:

Tank farms exist presently along the tidelands area. It is, at this time, difficult to ascertain the types of materials being stored, but petrol, chemicals, and dangerous gases are probably stored in many of the areas adjacent to the heavy industry. Other potential problems stem from the dust and vapors emanating from some of the upland industry adjacent to the housing areas, such as paint vapors, not presently mitigated. The U.S. Navy industrial storage areas also fall into this category. Although these storage areas are protected by fencing, conditions could be critical in an earthquake.

### RECOMMENDATIONS:

MINIMIZE EARTHQUAKE RISK BY LOCATION, AND RELOCATION OF NEW DEVELOPMENT, TOGETHER WITH PROPER REHABILITATION STANDARDS.

The Plan proposes that the particular areas affected by liquefaction, remain industrial, which is a compatible use. Rehabilitated industry and new industrial buildings will have to conform to standard structural engineering codes and property buffer development standards to mitigate potential safety problems. Development proposals in the Dalbergia area should consider surcharge, and earth compacting techniques to stabilize the land and mitigate liquefaction.

ESTABLISH FLOOD PROTECTION METHODS FOR THE PROTECTION OF IMPROVEMENTS, AND CONSERVATION OF THE FLOOD PLAIN WHENEVER POSSIBLE.

This Plan proposes that filling and construction in the floodway be avoided as much as possible. Development in the flood plain fringe should be adequately elevated above the 100-year-flood level. Specifically, the areas affected by flooding in the Dalbergia area should be elevated with fill and dikes whenever new development takes place. In this manner, both flood protection and views could be established, although some constriction of the flood would result. Open space easements, as proposed in the Open Space Element of this plan, would also be an important mitigation measure.

## HERITAGE RESOURCES

OUTDOOR STORAGE, AND WORK AREAS, CONTAINING DANGEROUS MATERIALS SHOULD BE RELOCATED AND PROTECTED.

The plan proposes that as these areas are further identified, options for relocation and/or design of buffer areas to protect them and surrounding properties be studied, the best mitigating solution be pursued, and duly reviewed by the indicated agencies.

### IMPLEMENTATION RECOMMENDATIONS:

A study should be made specifically identifying dangerous materials storage areas. Development controls should be established to mitigate problems. These development standards should be reviewed by the adequate local, state and federal agencies, as discussed in the Environmental Impact Report Section of this Plan.

# Environmental Element

This element includes issues and proposals related to the natural environment, pollution conditions, heritage resources, and urban design. The element has been primarily designed to give plan substance to the issues included in the Environmental Impact Report section of this Plan, as well as to resolve some of the specific issues related to design implied in some of the requirements resulting from the Coastal Policy Evaluation, and Issue Identification related to the Local Coastal Program (LC.P.) process.

## ENVIRONMENTAL QUALITY

The substance of this element is included in the Environmental Impact Report Section of this Plan, both in terms of existing conditions and environmental impacts. This element therefore, does not contain a repetition of the environmental existing conditions, but it contains specific recommendations related to Air, Water, Noise, and Energy considerations, applicable to the development of the Barrio Logan Community, under this plan.

## RECOMMENDATIONS:

CONTRIBUTE TO THE ATTAINMENT OF FEDERAL AIR QUALITY STANDARDS THROUGH IMPLEMENTATION OF REGIONAL AIR QUALITY STRATEGIES.

The Plan proposes that an effort be made as soon as possible towards the City's compliance with the air quality regional comprehensive plan. One of the major vehicles to this end is to develop and implement a transportation network designed to minimize air pollution, and include options to other less polluting transportation modes than the automobile. Some of the actions, further discussed in the Transportation Element of this plan, include encouraging and designing for pedestrian circulation, within the community and to surrounding communities, providing a link from this community to the regional bicycle route system, and permitting both a community oriented route and a link to the public transit as well. Implementation of traffic flow improvements, should be pursued, to avoid confusion and delays in circulation, together with the development of an organized parking development system to reinforce the auto circulation, portion of the Transportation Element of this Plan.

This plan also supports the light rail transportation proposals through the community as proposed by MTDB, and further compliments them by the location of high intensity development proposals adjacent to it, with the other complimentary circulation systems.

This plan supports the continuance and expansion of the present community bus service with increased connections for higher efficiency.

REDUCE AND ELIMINATE ODORS EMANATING FROM THE WATERFRONT INDUSTRIAL PLANTS.

Public and private efforts should be designed to improve these conditions and provide additional support to State and Federal regulating agencies, through policing, and cooperating with the industries and other parties, to improve conditions. Financial incentives should also be investigated with the purpose of improving conditions as quickly as possible.

COOPERATE WITH THE REGIONAL WATER QUALITY CONTROL BOARD AND OTHER AGENCIES IN SETTING UP AN INTER AGENCY AGREEMENT TO CONTROL MINOR POLLUTION PROBLEMS IN SAN DIEGO BAY, AND RELATED WATERSHEDS.

Determine the water quality of the storm water runoff at Chollas Creek, and evaluate potential uses, as discussed in the Open Space Element of this plan. Encourage all industry and particularly the new industry to promote and implement the reclamation and reuse of wastewater. Financial incentives should also be considered in order to promote high standards as soon as possible.

ENCOURAGE THE USE OF DROUGHT TOLERANT LANDSCAPING THROUGHOUT.

Establish planting materials which have drought tolerant qualities and are acceptable to the community. Encourage their wide use both in the public projects and on private properties.

ENCOURAGE WATER CONSERVATION IN HOMES AND BUSINESSES.

Provide widespread information, through the community service agencies, on methods of water conservation, and consider the provision of financial assistance to promote the implementation of this goal.

REDUCE EXCESSIVE TRUCK NOISE BY CHANNELIZING INDUSTRIAL TRAFFIC AWAY FROM RESIDENTIAL AND COMMUNITY SERVICE AREAS.

This plan proposes the control of truck traffic to certain streets, and times of day, to minimize excessive noise conditions.

CONTROL INDUSTRIAL NOISE SOURCES.

Control industrial noise through development of new and rehabilitated industrial parks and through zoning development controls which include external effects-noise controls.

ENCOURAGE THE DEVELOPMENT OF A SELF CONTAINED COMMUNITY.

The development of a self contained, full service community with links to surrounding communities, through land use proposals which strengthen the residential, commercial and industrial components of the Plan. This can be accomplished by providing housing, employment and services within the boundaries of the community, and closely relate it to other community planning areas. This will be a major element toward achieving the goal of energy conservation.

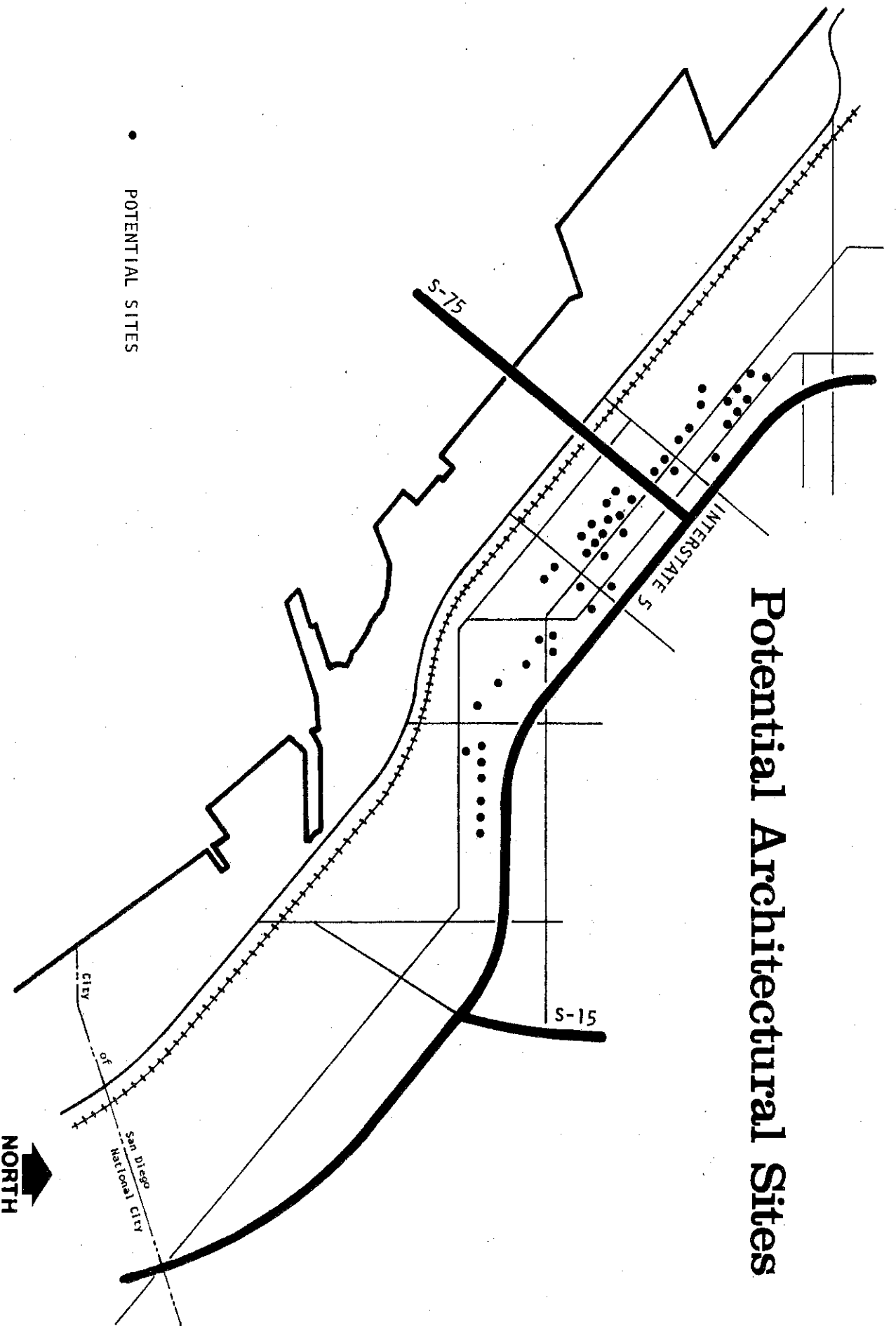
ENCOURAGE NEW ENERGY TECHNOLOGIES TO DEVELOP IN THE COMMUNITY.

Encourage experimental housing and industrial development with sun energy technology, using special government grants and funding, as these are available.

#### IMPLEMENTATION RECOMMENDATIONS:

This plan recommends that redevelopment action be used to coordinate actions, government agency review and controls to insure that the different agencies do not work at cross purposes. And, to obtain funding resources, in the form of government grants available, low interest loans and tax incentives.

# Potential Architectural Sites



**BARRIO LOGAN  
HARBOR 101**

#### EXISTING CONDITIONS:

With the recent City Council adoption of the City's General Plan Elements, the identification of historical sites is required as part of the Community Planning Process, to comply with the Heritage Resources Element of the General Plan.

Within the Barrio Logan/Harbor 101 community, there are some identified heritage resource sites, which include some archaeological sites, some potentially historic sites, and some architecturally interesting buildings. The Environmental Impact Report Section of this plan describes these resources in more detail. The relative worth of these sites is still to be established, since little interest and studies have taken place in this community up to now. Future studies should be undertaken under the redevelopment program, to establish these resource sites and include them in the historical sites list approved by the historical sites board.

#### RECOMMENDATIONS:

SUPPORT THE USE OF FEDERAL AND STATE GRANTS TO IMPLEMENT CULTURAL RESOURCE SURVEYS, AND SUPPORT PROPER RECORDATION OF ARCHAEOLOGICAL SITES AND SITE DESIGNATION OF SIGNIFICANT RESOURCES.

Encourage all new development to undertake archaeological surveys and salvage prior to land development. Support the rehabilitation of structures of historical and architectural significance, through both private and public means.

It would be desirable, that in the case of archaeological sites, all existing five sites, and any other future site, be properly surveyed, salvaged, and relocated. If it is found to be significant, it should be marked and exhibited to the public, after excavation; salvage of artifacts is to be done by archaeologists. Some of the archaeological sites, could be incorporated into the community's open space system, and be exhibited at the Educational/Cultural Center Complex.

This plan also proposes that a detailed historical/architectural survey be made as part of the redevelopment-rehabilitation plans. Recognized historic sites should be placed in the historic register, and other sites of social and architectural interest be rehabilitated and reused.

**IMPLEMENTATION RECOMMENDATIONS:**

Redevelopment action should be utilized to produce the necessary studies and coordinate implementation of heritage preservation by other agencies and private groups avoiding work at cross purposes. Priorities resulting from the redevelopment plan should help to establish funding sources which may help in the faster implementation of the plan's recommendations.

## URBAN DESIGN

This element is designed to give some indication of visual development, environmental and general urban design character designations in the community. The recommendations are designed to give an indication of unique community characteristics of urban design, and thus become the foundation for the development of overlay zones, as proposed in the Land Use Element of this Plan. The unique community conditions and location in the Coastal Zone, further requires that a careful assessment be made of urban design considerations to develop appropriate land use controls for Plan Implementation. There are several design factors existent in the community. All closely interrelated with other Socio-Economic, Land Use and Transportation Factors, most of which have been thoroughly covered in their respective sections of this report. Generally speaking, the urban design qualities of this community, can be divided into geographical qualities consisting of the community's proximity to the Bay and views, and the manmade design qualities related to the quality of development of existing uses and transportation related public works.

### EXISTING CONDITIONS:

#### Geographic Qualities:

The two major natural design features of the Barrio Logan/Harbor 101 Community are its geographic location and the views generated from and into the Planning Area.

#### Geographic Location:

The Community's location, along San Diego Bay and adjacent to downtown San Diego, are two major features which have not been properly recognized and used for the community's advantage. Much has been discussed both in the plan elements and in the Environmental Impact Report about this issue, in terms of the barriers that exist to Bay access and views. The uncared for nature of the urban development, and its industrial and transportation uses along the bayfront which are further reinforced by the jurisdictional issues, of City, Port and Navy primarily.

The Community's topography with a slight rise of 40 feet, has not become a major urban design feature. All development seems flat, de-emphasizing that topography. Three creeks converge on this community which have also been ignored as community shapers and urban design features. Those creeks are for the most part channelized, and some have disappeared altogether; Chollas Creek is still with some naturalized features and Paleta Creek reinforces the San Diego National City jurisdictional lines to the south of the community.

## Views:

Because of its geographical location and topography; views are a major urban design element in the community, which in the past have not been conscientiously developed. Views into San Diego Bay are a major visual element of the Barrio Community due to its unique geographical location. The Unified Port District made a careful analysis of these conditions as part of their visual analysis of the San Diego Bay tidelands. The study conclusively states that Barrio Logan has visual barriers to the waterfront from its northern boundary to its southern boundary. Three view spots exist, at the Harbor Drive bridge over Switzer Creek, the Chollas Creek, and Paleta Creek in National City, just south of the Barrio Logan/Harbor 101 community.

Views also exist to the uplands from 28th Street and Harbor Drive, the main focus in this area is the I-5, SR-15 freeway interchanges which is a major manmade sculptural feature.

From the upland Barrio community, views are affordable to the Centre City skyline, from Logan and National avenues, and to the Coronado Bay Bridge from the northern portion of the community, as well as to the major industrial waterfront features, such as the NASSCO ship yards, and the masts of the naval ships when they are in port can be seen.

The Barrio is viewable from outside the community from Coronado across the San Diego Bay and as one moves across the Bay Bridge. The features seen in the Barrio community from these spots are not major, the industrial buildings and roofs are most viewable, as well as the connecting Freeway I-5, the piers and wharf area.

## Manmade Qualities:

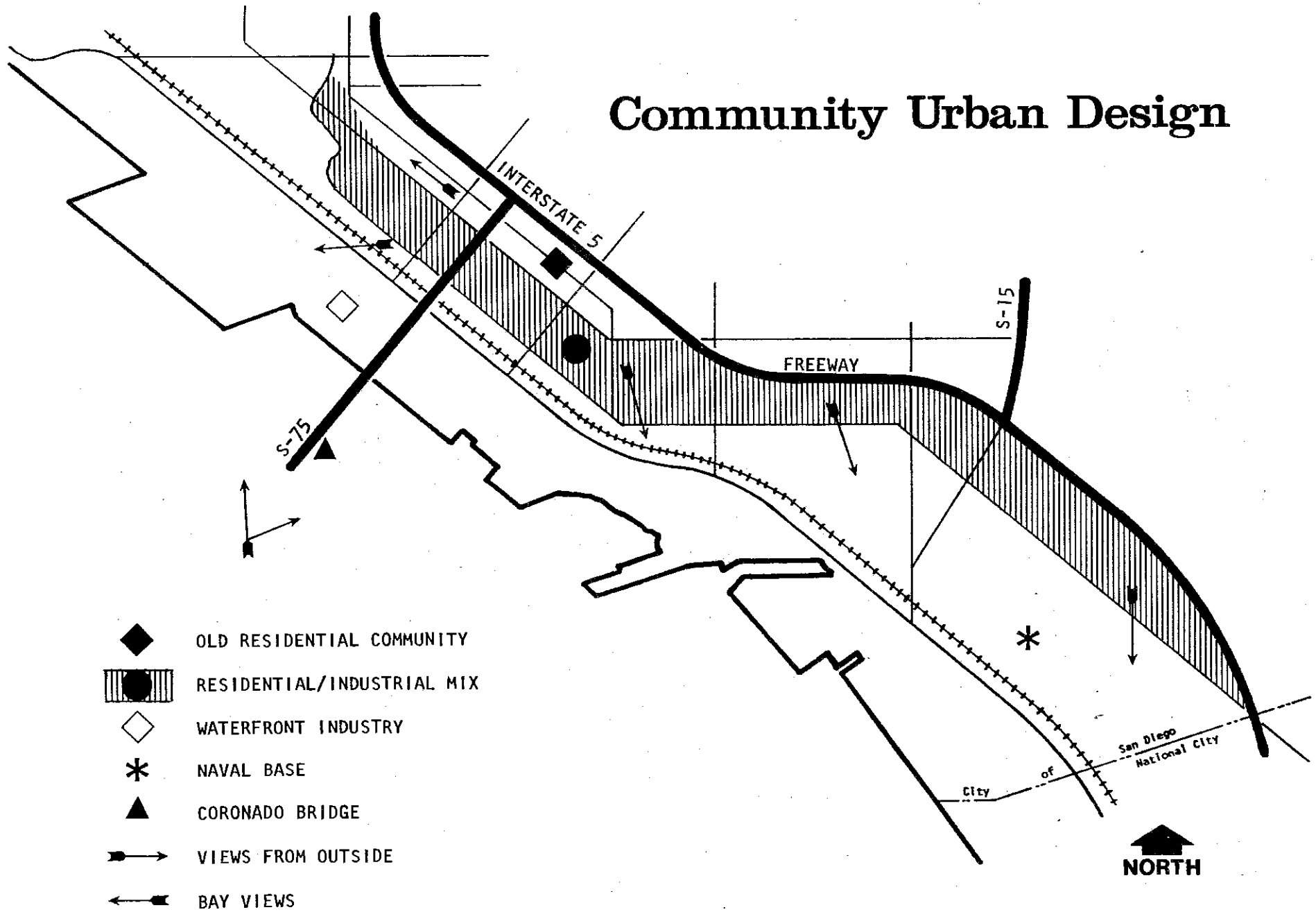
Major urban design considerations, relate to the Land Use and Transportation Elements primarily. Many issues closely related to Urban Design have already been discussed at length in the other elements of this Plan. The lack of maintenance and development controls, are the major feature affecting urban design perceptions. But one has to transcend those urban clutter considerations, to properly view the positive aspects of the community scale, and urban design. Several urban design considerations arise:

**The Residential Uses:** Housing is basically one and two-story, in small lot development, and detached. Resulting in a tight, small lot development pattern, with pitched roofs, porches, and warm colors. Much of the housing was developed at the turn and early part of the century, with small cabins of which some Victorian structures remain.

**The Industrial Uses:** Industrial development is varied in terms of its scale and function, it includes: The waterfront industry, with large open storage areas, and large buildings, housing both industrial parts, products, and activity. A particular aspect of this function is the exposed machinery, ducts, and cranes, which provide potential focus of interest, and landmarks.

**The Distributive Industry:** Occupying large portions of blocks, usually have both warehouse buildings, docks, and open storage areas. The activity related to this industry, holds little visual interest, or landmark qualities.

# Community Urban Design



## BARRIO LOGAN HARBOR 101

The Salvage Industry, the effects of which have been discussed at length in the Industrial Element of this Plan. Usually include open storage areas, with little or no enclosures, with the exception of very few, which are housed inside large warehouse structures made of concrete block or metal siding. This industry's activities outside their property areas, is a clear indication that they have outgrown their facilities. They are usually sited in small lots, and intermixed with the housing areas. The activity has little visual and landmark qualities.

**Commercial Uses:** Commercial uses are concentrated along major streets, mainly Logan Avenue, National Avenue, and Main Street. Some commercial facilities area also industrial. The community related commercial, however, takes place in small lots, in one and two-story structures for the most part. There are some three and four-story structures which were probably hotels at the turn and early part of the century, and have now been abandoned or converted to other uses. Most commercial structures are low scale and plain in design. There is a close interrelationship of commercial and residential activity. These activities have visual interest, and landmark qualities.

#### Public Facilities and Parks:

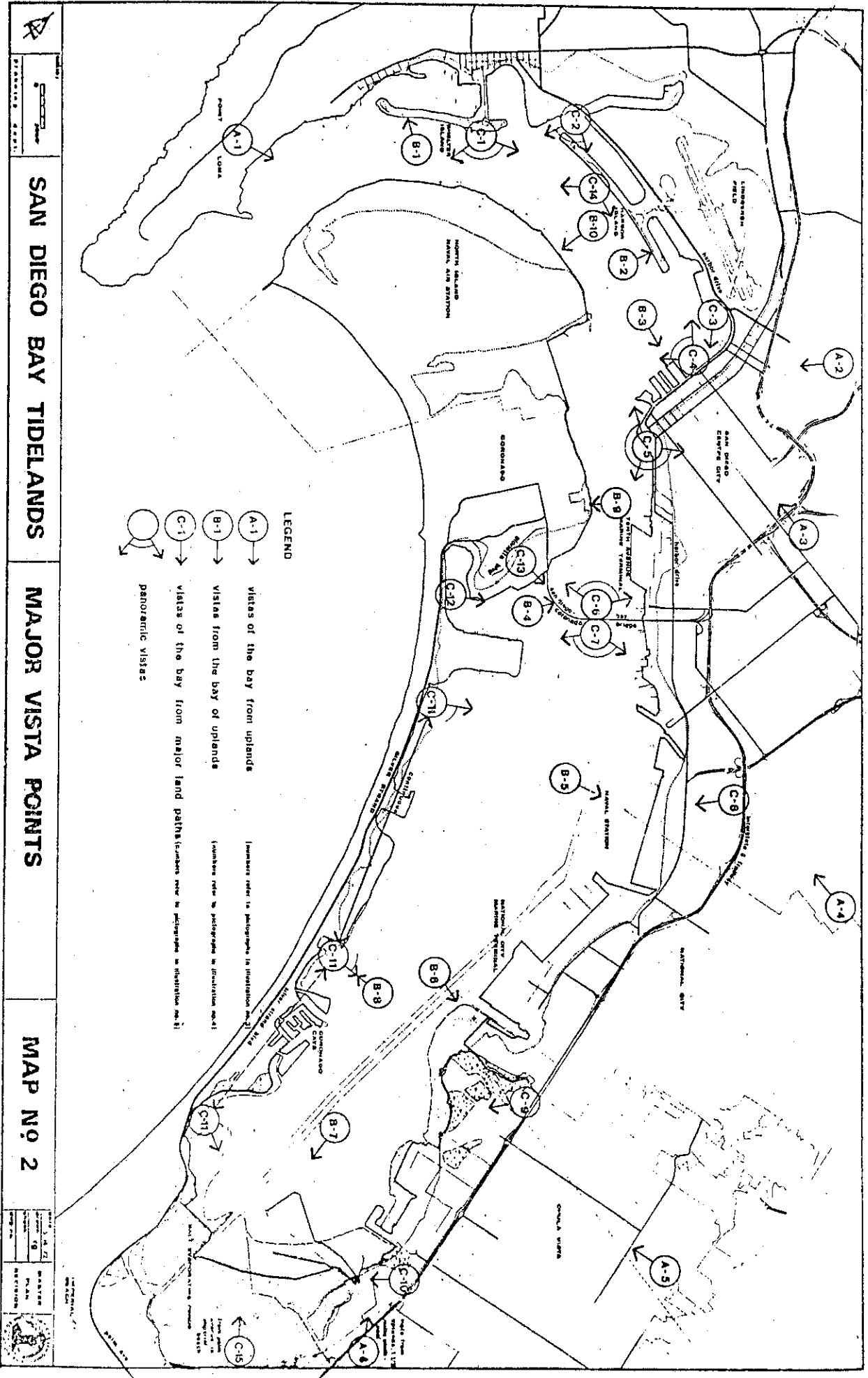
The recent development of Chicano Park and the Federation Building, the Senior Citizen Center, and Neighborhood Clinic specifically, a result of major community participation, have set a positive stage and urban design environment for other future

improvements. The sculptural, and plastic qualities of the Park, the interplay of landscaping, and the warm colors of the murals, are a unique Urban Design feature in this community.

In other cases, however, older public and semi-public improvements, have not been upgraded and maintained to desirable Urban Design standards. Such is for example the case of the 32nd Street Naval Base, where the barbed wire topped fence surrounding the property, does not only represent poor design quality; but it provides a poor example which is reinforced by other uses with similar lack of care; in addition, it raises in the residents particularly, a feeling of rejection and uncaring for the total community's image, which is highly resented. It should be noted the present Navy Plans recognize this, and propose some beautification measures on the Base.

A similar situation occurs with the Lowell Elementary School Complex, which because of the industrial zoning in the area, and the diminishing pre-1970 youth population, has been maintained in temporary buildings, with poor buffers and fencing; a condition which residents, the city, and the school district are trying to change.





**SAN DIEGO BAY TIDELANDS**

**MAJOR VISTA POINTS**

**MAP No 2**

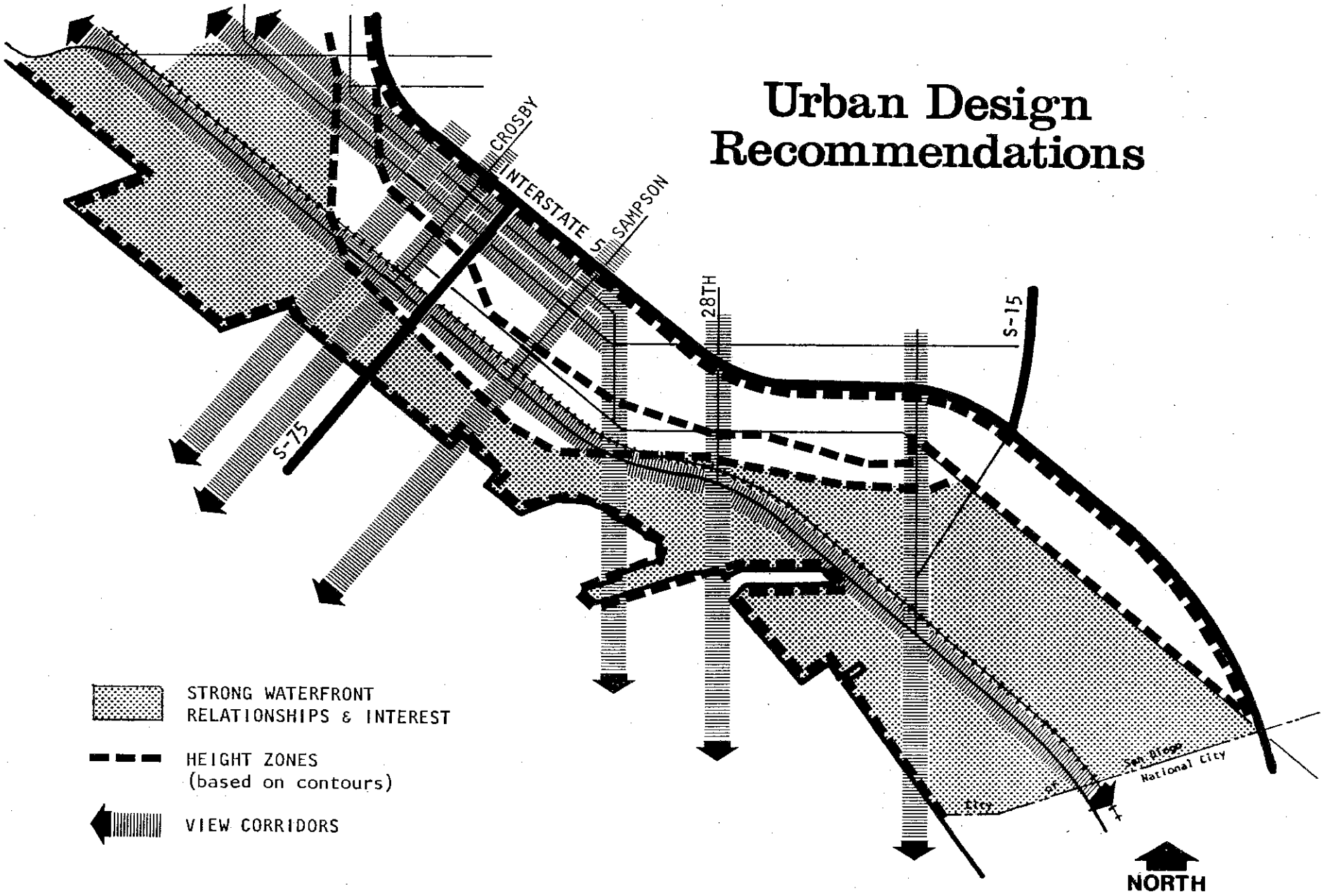
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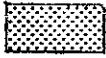


## Transportation:

The Community's street system is already developed, but due to major changes in the circulation pattern, as a result of freeway development primarily, the street design and circulation functions are presently unorganized. For the most part, streets lack landscaping, and careful design to serve the total needs of the community. Harbor Drive is a particular case where the street is not fully developed, lacking sidewalks and landscaping, with adjacent transportation facilities such as parking, and railroad connections which are not coordinated and designed as part of a major transportation corridor. Parking design, represents a major and unique problem in this community, due to existing zoning standards which do not have parking requirements, with the resulting employee parking being widely distributed throughout the community along every available curb and open area, creating not only circulation conflicts, but maintenance problems to street cleanup and upkeep.

Bus stop development, is an additional area in need of design improvement. Stops are identified by a free standing sign; in a few cases, a bench is included. This community has the unique condition of having large numbers of transit dependent people, both residents and employees; if public transit is to be encouraged, proper design should be considered to accommodate patron needs.

# Urban Design Recommendations



-  STRONG WATERFRONT RELATIONSHIPS & INTEREST
-  HEIGHT ZONES (based on contours)
-  VIEW CORRIDORS

## BARRIO LOGAN HARBOR 101

## RECOMMENDATIONS:

### ESTABLISH DEVELOPMENT CONTROLS WHICH WILL REINFORCE THE TOPOGRAPHIC QUALITY OF THE COMMUNITY:

New development in the community should be designed to reinforce the 40 foot topographic differential between the Bay waters edge and the uplands. This concept would naturally establish a tiered development where height control measures could be used to physically reinforce the topographic feature, and at the same time, obtain the desirable views to the Bay and adjacent communities. This Plan recommends that three height limitation areas be developed: A height limitation area should be considered for the waterfront area to the 20 foot topographic line. A second height limitation area should be considered between the 20 and 40 foot topographic lines. And a third height limitation area should be considered generally north and east of the 40 foot topo line. As shown in the height limitation map.

### DEVELOP LANDSCAPING BUFFER AREAS, AND PEDESTRIAN EASEMENTS ALONG THE COMMUNITY'S MAJOR WATERSHED, CHOLLAS CREEK:

The subject of Chollas Creek development has been covered in the Open Space and Environmental Elements of this plan. Design considerations for its development should include: Elevating the area to the south in the Rigel Street industrial area, and developing berms, for flood protection purposes, maintaining the channel bottom open, and developing landscaping areas along its edges. The landscaped area could include marmade structures

with sculptural qualities, that are combined with natural landscaping, trees and plants. Tree and plant materials should be drought resistant, and fast growing, and require little manicuring. The open space buffer, and pedestrian easement on both sides of the creek channel, and outside the channel proper, should be 40 feet.

### VIEW CORRIDORS TO SAN DIEGO BAY AND DOWNTOWN SHOULD BE ENHANCED:

In the addition to the topographically related height limits, designed to encourage view development, certain street corridors should be specially considered for beautification, to further enhance and frame existing views. The view corridors, could in some instances include property setbacks and landscaping to increase the width of the corridor.

Critical view corridors to downtown San Diego are: Logan Avenue, National Avenue, and Harbor Drive. It is recommended that these streets be landscaped and that setbacks be established along industrial development fronting on these streets; the setbacks should be landscaped, and properly maintained. Critical view corridors to San Diego Bay are: Sigsbee Street, Crosby, Sampson, 26th, 28th and 32nd Streets. These streets should be landscaped and development fronting on them should have landscaped setbacks whenever possible.

RESIDENTIAL USES SHOULD BE REHABILITATED, AND NEW RESIDENTIAL DEVELOPMENT SHOULD MAINTAIN A COMPATIBLE SCALE WITH THE EXISTING DEVELOPMENT:

The Plan's recommended residential densities of R-2 (14 dwelling units per net acre) and R-2A (29 dwelling units per net acre), will maintain densities of housing and development which are compatible to existing development.

In addition; development should take place in small parcels, or building facades should be broken to establish narrow facade planes, and be compatible with the existing lot development.

Roofs should be pitched, and if flat roofs are developed, they should form useable terraces on the roof.

Colors should be warm and bright to match the existing remodelings and older structures. Parking requirements should be flexible, considering the great portion of the residential population which is transit dependent.

ALL INDUSTRIAL USES SHOULD FOLLOW CURRENT ACCEPTABLE INDUSTRIAL DEVELOPMENT STANDARDS:

This Plan recommends that all industrial development follow the M-IP and M-1B Zones as proposed in the Land Use portion of the Plan. All industrial uses should upgrade and develop to these standards as modified by Urban Design considerations. Upgrading should be studied, and given between five and ten years to comply based on ability to economically amortize improvements.

Control of External Effects:

Air contaminants such as smoke, paper, dust, grime, carbon, noxious acids, fumes, odors or particulate matter; loud noises above prescribed federal standards, and other agents which cause sudden changes in temperature, glare, radio activity, and electrical disturbances, should not emanate beyond the boundaries of the property where the activity is located.

Off-Street Parking:

Employee parking standards should be considered, and modified as specific uses require. Parking allocations may be included in the premises, or be included into an area parking assessment district.

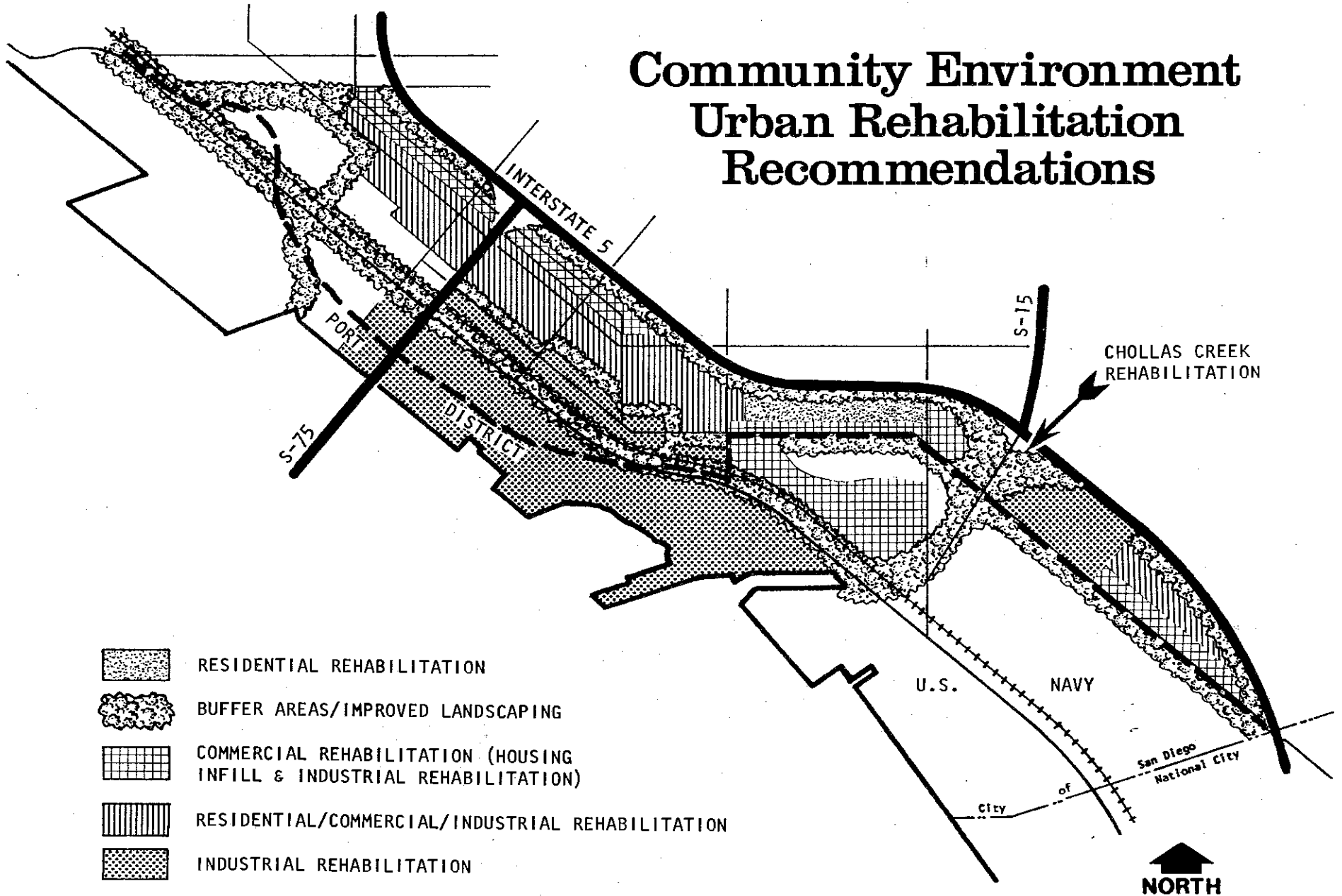
Walls and Fences:

All walls and fences should have an established height, should be solid and impervious to light, made of natural color materials, and maintained to acceptable standards.

Landscaping:

Industrial uses adjacent to residential areas, should have landscaped setbacks from the corresponding property line. Landscaping strips should also be developed along lot premises adjoining streets and public places. Landscaping should be property maintained, and with drought resistant plant material.

# Community Environment Urban Rehabilitation Recommendations



## BARRIO LOGAN HARBOR 101

#### Storage Areas:

All storage areas should be enclosed by a wall or building. Storage area height should not exceed wall heights as viewed from surrounding properties or the street.

#### Driveways and Curb Cuts:

Sites should have limited driveway and curb cut area.

COMMERCIAL USES SHOULD BE REHABILITATED AND NEW DEVELOPMENT SHOULD MAINTAIN A COMPATIBLE SCALE WITH EXISTING:

This plan recommends that commercial uses be developed under the CC Zone, which allows for small scale and intermixed commercial and residential development.

#### Development Scale:

Scale should be low profile with the standard 50 foot maximum lot frontage, or with facade changes and indentations to compliment the standard, smaller lot frontage. Residential, office development and hotel development should be encouraged above or behind the commercial facilities.

#### Parking:

Employee and patron related parking requirements are recommended, to be provided on site or in an area parking assessment district. The requirement

could be modified depending on specific activity needs, population served, and location in relation to other public transportation facilities.

#### Color:

Building materials should match the community's earthy and bright colors.

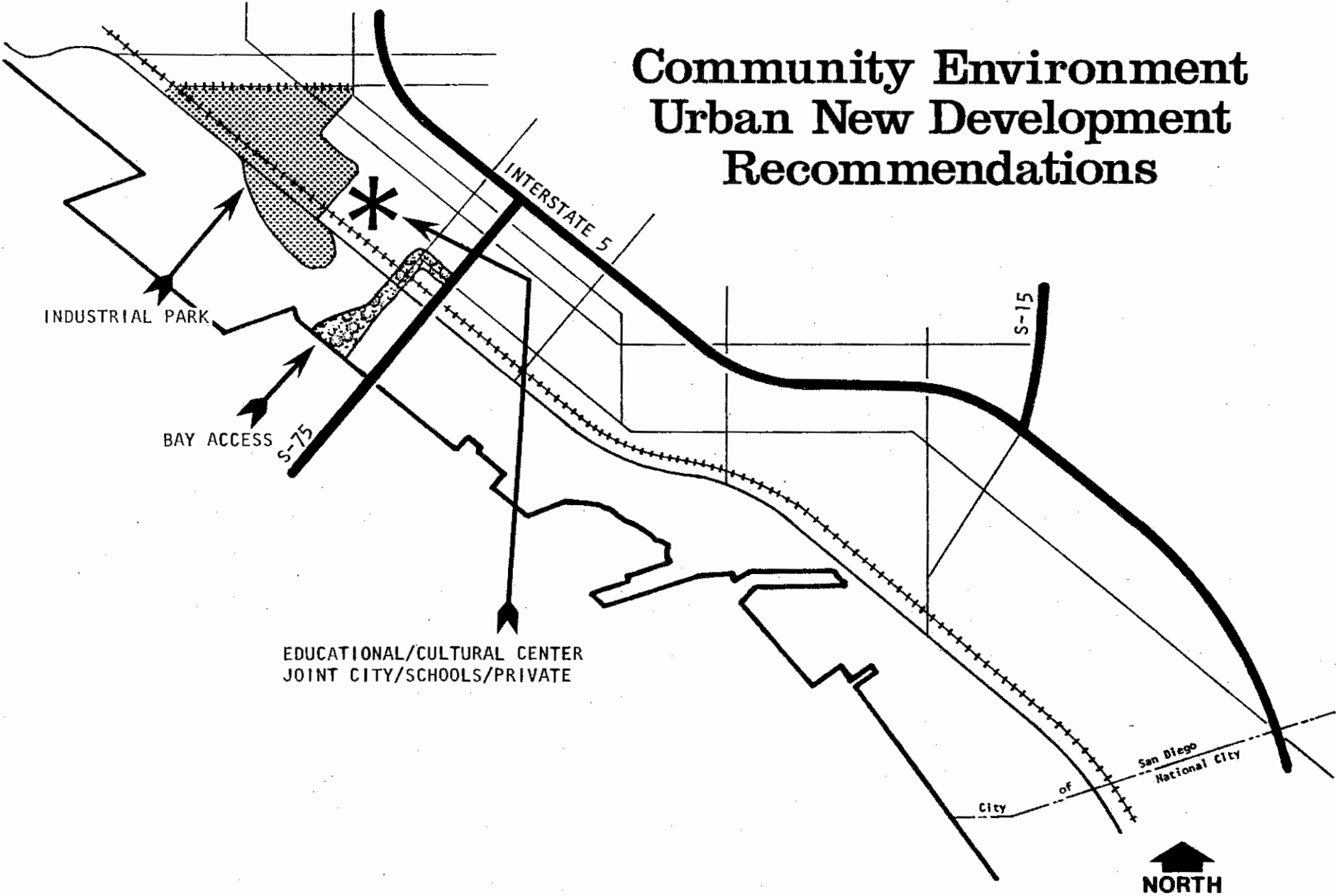
IMPROVE PUBLIC AND SEMI-PUBLIC AGENCY IMAGES THROUGH COMPATIBLE URBAN DESIGN CONSIDERATIONS SENSITIVE TO THE COMMUNITY'S ASSETS:

Generally, every agency involved in the development of community facilities, has its own development standards and in some cases (as in the schools) its own building code requirements. There are however, some external design treatment elements, which are unique to this community and should be used as unifying community wide design elements and identification.

#### Scale:

Building should be in scale with the surrounding development, which usually does not exceed 25 or 30 feet. Taller buildings, should de-emphasize their height with the development of balconies, arcades, etc. Large blank surface walls should be avoided and when they have to be built, should be broken by landscaping, sculptural motifs, and/or murals.

# Community Environment Urban New Development Recommendations



## BARRIO LOGAN HARBOR 101

#### Perimeter Walls and Fences:

Should be designed in natural color materials. Long unbroken walls, if higher than 3.0 feet, should have indentations, sculptural features, or landscaping. Chain link fences should be avoided, and where absolutely necessary, should be framed individual panels, and include plant materials.

#### Entrances:

Small pedestrian oriented outdoor entrance areas or porches should be designed, off the street at major building entrances, to provide areas and spaces for group interaction.

#### Indoor-Outdoor Relationships:

Indoor and outdoor spaces should be interrelated, both for social and climatic reasons. This can be designed through building openings, window spaces, building indentations, arcades and overhangs.

#### Landscaping:

It is desirable that a portion of the property be landscaped, it is suggested that a percent landscaped area be considered and modified as the specific needs of the project require. Landscaping materials should be of drought resistant materials, with tall plantings, fast growing, and placed in clusters where views can be framed. The mural motifs of Chicano Park should be continued, and paintings and sculptural forms should be encouraged in the open space areas.

STREETS SHOULD BE IMPROVED IN DESIGN WITH THE PEDESTRIAN USE AND LANDMARK ORIENTATION IN MIND:

#### Streets:

Major streets should be landscaped with drought resistant tall and fast growing trees, placed in clusters emphasizing important crossings, places, and framing views.

Curb parking should be avoided up to 50 feet from a street crossing, and landscaping, pedestrian gathering areas, and bus stops should be located in those areas.

Local streets should be redesigned to include two moving lanes of traffic and diagonal parking areas. Through traffic on these streets should be discouraged by narrowing the street access, and closing and looping the streets as necessary. It should be noted that these improvements don't necessarily imply a total rebuilding of the community street system, which would be too expensive and unrealistic; but instead should imply selective re-adjustments to the street design in critical areas, thus achieving the intent of these recommendations, at minimum cost.

HARBOR DRIVE SHOULD BE TOTALLY REDESIGNED TO PROPERLY PERFORM ITS MULTIPLE FUNCTIONS:

The design considerations should include four lanes of moving traffic, turn pockets, truck route lanes, a bikeway route, pedestrian areas, and linear parking structures for industrial employee parking,

in addition to the maintenance of the railroad right-of-way and access. The design should include traffic lights and patterned pedestrian crossings and overhead pedestrian crossings to serve the parking structures as necessary. Landscaped medians and sidewalks should also be included in the design, much like Harbor Drive's design at the City's Lindbergh Field Airport area.

#### ORGANIZE AND DESIGN PARKING DEVELOPMENT AREAS:

Large parking areas, when developed as surface parking should include patterned surfaces designed in clusters to emphasize entrances, pedestrian access, circulation, crossings, etc. The areas should also include a percent landscape area and perimeter landscaping.

Parking structures should not exceed three levels and should have perimeter landscaping with tall fast growing trees. It is desirable that the ground floors of the parking structures, be partially used for commercial and automobile related uses, such as gas stations, auto repair, auto parts, and other related uses. Commercial developments could include employee related services, such as restaurants, delicatessen, sandwich shops, etc.

#### BUS STOPS SHOULD BE DESIGNED AS SPECIAL OUTDOOR GATHERING PLACES AND WAITING AREAS:

The plan recommends that bus stops be carefully located to provide the best possible service, interfaced with other community activities and circulation modes to reinforce community focal points and landmarks. The designs should include

patterned paving, benches and rain protection areas, where bright canvas awnings, for example, can be used. Bus stops could either be designed freestanding as part of the street, or integrated into a building development along the sidewalk, perhaps under arcades, overhangs, or canopies. Landscaping treatments with tall fast growing trees, could help in some cases to visually identify these areas.

#### IMPLEMENTATION RECOMMENDATIONS:

This Plan recommends that subsequent to its adoption, detailed studies be made of views, setback development potential, and possibilities of existing use compliance; in order to develop the necessary ordinances, and zones for plan implementation.

The mentioned Urban Design recommendations should be studied further in the context of special project areas, and implementation ordinances, as recommended in the Land Use and Transportation Elements of this Plan.

Performance development standards should be developed based on future study findings.

The development suggestions made in this section should not be considered as "manicured" reconstruction projects, which are expensive to implement; instead, these recommendations should be further developed as community rehabilitation, and readjustment measures, which are realistic, and relatively inexpensive.

The land use related recommendations, imply the development of zones, or special district legislation while the recommendations relating to public facility and transportation development recommendations envision the development of design guidelines for those projects specifically.

The first group, will require input from the residents and private enterprise, for the performance standard development, while the second group will require various public agencies input and cooperation.



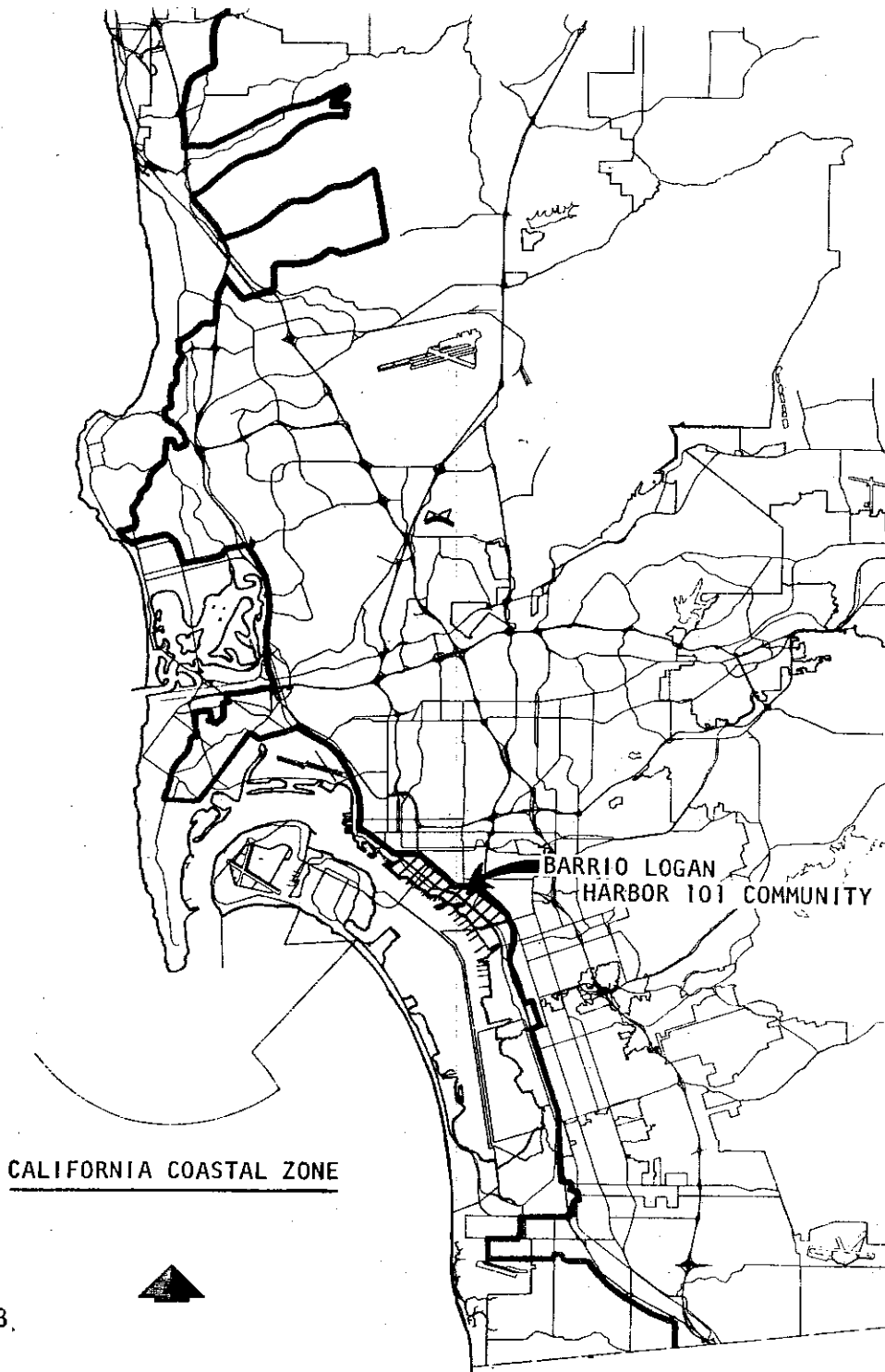
# Coastal Zone Element

## CALIFORNIA COASTAL ACT POLICY ANALYSIS:

This element is provided in order to simplify and incorporate into a single package the recommendations of the Barrio Logan/Harbor 101 Community Plan in relation to the policies of Chapter 3 of the California Coastal Act, and to show in what measure, this plan has been able to mitigate the coastal issues raised in the early stages of the Plan.

Since the 1976 California Coastal Act requires that general and community plans conform to the policies specified in Chapter 3 of the Act, this conformance will be necessary for the Barrio Logan/Harbor 101 Community Plan to be certified by the Coastal Commission. The following analysis of Coastal Plan policies in the light of community plan proposals explains the consistencies between the two documents. The analysis is divided into Coastal Act policy groupings, and existing community conditions (Issue Identification) already revised and approved by the Coastal Commission, as well as plan proposal conformance with the coastal policies of Chapter 3 (Plan Recommendation).

It should be noted that issues in the Barrio Logan/Harbor 101 community cannot be fully resolved without the full cooperation of the Unified Port District, different jurisdictions regulated by different Coastal Act regulations. It is, however, felt that the true Coastal issues of the Barrio cannot be fully comprehended or resolved without the consideration of the total land area, which includes both Port District and Navy land areas.



The State Coastal Commission would have to make the final determination relative to the inter-agency issues between the Unified Port District, the U.S. Navy and the City's Barrio Logan community.

Coastal Act Issues identified in the Barrio Logan Planning Area

PUBLIC ACCESS  
(CA - 30210-12)

ISSUE IDENTIFICATION:

Considerations of access to San Diego Bay clearly involve analysis of the Navy and Port District portions of the study area. Access considerations involve conflicts with existing concentrations of heavy industrial users, most of which are coastal dependent and port related. The Unified Port District master plan further proposes the continuation of these heavy industrial uses. The Barrio Logan Community should strive to cooperate with the Unified Port District in the determination of the feasibility for Bay access within the Barrio Study area. This will require analysis of available alternative sites for the industry as well as analysis of alternative access points to San Diego Bay. The Navy plans also create some problems of open space accessibility to San Diego Bay along the Chollas Creek area specifically. Early discussions with Navy planners have indicated the feasibility of some form of public access easement through Navy properties along the Chollas Creek to San Diego Bay.

PLAN RECOMMENDATION

The plan proposes two major areas where public access to San Diego Bay could be developed. It should be noted that both of those areas are under the planning jurisdiction of the Unified Port District (in the case of Maritime Plaza just north of the San Diego-Coronado Bay Bridge) and the U.S. Navy (in the case of the Chollas development). The implementation of public access at these two points cannot be undertaken by The City of San Diego alone but will have to be undertaken by the San Diego Unified Port District and the U.S. Navy.

RECREATION AND VISITOR SERVING FACILITIES  
(CA - 30212.5, 30213, 30220-23, 30250)

ISSUE IDENTIFICATION:

Consideration should be given to the development of water oriented recreational uses and public services that support Bay access and the Chollas Creek open space concept. An additional aspect is the development of visitor serving commercial and recreational facilities based on the unique cultural heritage of the Barrio, and some of the improvements already undertaken that reflect that unique cultural heritage, such as Chicano Park.

PLAN RECOMMENDATION:

The plan considers the development of recreation and visitor serving facilities in conjunction with the Mercado complex, the educational cultural center, and one of the public access proposals to San Diego Bay, described as Maritime Plaza. Although the projects considered will mainly provide facilities to the community, such as food markets, educational facilities, and waterfront enjoyment, the uniqueness of the projects, and the proposed bikeway and recreational transit links will make those projects available as recreational and visitor serving facilities. The implementation of these proposals rest partially with the City, but mostly with the Unified School District, private businesses, the Port District and other agencies.

HOUSING (CA-30213)

ISSUE IDENTIFICATION:

The existing limitations to housing development should be resolved, insuring a balanced residential development in the future, particularly in regard to low and moderate income housing and providing for new low cost housing opportunities through redevelopment. The Barrio Logan Plan should include an explicit program of retention of existing housing units, including coordination with City programs which provide low-interest loans and professional counseling to residents. (Some of this is already happening in a limited way with Chicano Federation sponsored ungrading programs.)

Each parcel of land, currently in public ownership, should be evaluated for possible use as a site for subsidized housing.

PLAN RECOMMENDATION

The plan proposes the retention and rehabilitation of the existing low and moderate income housing, as well as the development of new housing project areas in land presently underutilized by outdoor storage or vacant. In addition the plan proposes residential infilling throughout the residentially designated area of the community. The plan also proposes housing development in some of the publicly owned land in the community which are presently vacant and not necessary for other major public facilities.

WATER AND MARINE RESOURCES  
(CA - 30230-31, 30236)

ISSUE IDENTIFICATION:

Chollas Creek falls partially within The City of San Diego boundaries and partially within the Navy portion of the Barrio Logan study area. Water quality information gathered as part of the Plan study section shows that water quality problems exist due to upland urban drainage and storm drains into the channel. In addition, some chemical and dissolved metals have been found in the mouth of the Creek at the bayside. These studies indicate that at this time it would not be advisable to propose water contact recreational activities as part of the plan.

PLAN RECOMMENDATION:

The plan studies have concluded that water quality in San Diego Bay is generally good and improving. Current sources of effluent discharge into the bay are the shipbuilding and repair industry, power plants, fish processing plants and human waste for naval vessels and other ships and boats. All of these sources operate under the controls of a permit or are being converted to use of the City's sewage system. The areas mentioned are within the jurisdictional control of the Unified Port District. The Plan also proposes the study and rehabilitation of the Chollas Creek watershed which is partially within the jurisdiction of The City of San Diego and partially within U.S. Navy lands. The proposal includes a coordinated study to explore means of habitat rehabilitation in the creek and possible recreational and commercial uses as potential results of this rehabilitation. The study is proposed to be undertaken with the cooperation of the Navy/Army Corps of Engineers and local scientific and educational institutions, with the Conservancy for research and development.

DIKING, DREDGING, FILLING: SHORELINE STRUCTURES  
(CA - 30233, 30235)

ISSUE IDENTIFICATION

Most of the filling and dredging activity that has taken place in the area has occurred on the bay side of the Mean High Tide Line within the area now under the jurisdiction of the Port District. There is no evidence of diking in the plan area. Filling has occurred in two locations within the plan

area. In 1934, fill was placed between the Santa Fe Railroad tracks and Newton Avenue, north of Crosby Street. In 1942, fill was placed in Chollas Creek in the vicinity of the Interstate 5 and 15 interchange. No filling or dredging has been proposed or carried out within the plan area in recent years. Any future filling, dredging or diking would probably be confined to the Port District.

The Chollas Creek flood control and/or preventive facility, which would be developed at a future time as part of an Army Corps of Engineers project, should be considered in this context. The proposal and eventual project is dependent on upstream studies and development proposals relative to economical feasibility and implementation. A potential flood control project would affect the Chollas Creek both in the City's portion of the study area and the Navy's portion.

PLAN RECOMMENDATION

Most of these activities will take place within the jurisdictions of the Port District and the U.S. Navy. However, the upper portions of the Chollas Creek are within the City's jurisdiction. The Army Corps of Engineers will, in the future, develop flood control works at the creek. The plan proposes that a coordinated effort be undertaken to provide flood protection, natural habitat rehabilitation with open space-public access considerations. A joint interagency project for this development is proposed.

HAZARD AREA

(CA - 30235(1), (2))

ISSUE IDENTIFICATION:

Consideration should be given to the 100-year-flood potential at Chollas Creek. Much of the work has been done by the Army Corps of Engineers. In addition, some of the area within the Barrio is subject to liquefaction in the event of an earthquake. Most of this liquefaction area affects Port District and Navy developments. Any problems in these areas could in turn affect the Barrio Logan area. Within the City's portion of the study area, the southeastermost portion would be most affected.

PLAN RECOMMENDATION

A portion of the concealed San Diego Bay-Tijuana Fault passes across the Barrio in the area of the Tenth Avenue Terminal and enters the bay on a northeast of southwest trending line. A strong earthquake on this fault could cause instability in soils (i.e., liquefaction) west of the mean high tide line; an area under Port District jurisdiction. A small area of the Barrio, south of the Wabash freeway, would also be subject to liquefaction. The unstable areas are proposed to be developed after proper soil testing and use of construction techniques which would minimize the risk of damage.

Three minor intermittent streams pass through the Barrio and enter San Diego Bay. Switzer Creek on the northern end of the community is channelized

and a sedimentation basin has been installed. Chollas Creek near the Wabash Freeway is partially open and partially channelized with concrete sides and bottom. Paleta Creek is a very small stream which is channelized into a storm drain on Navy property at the southernmost end outside of the plan area. Chollas Creek is the only one of the three which is large enough to have a significant floodplain area which has been mapped. Presently City standards require that development within the floodplain fringe of Chollas Creek must be built on fill two feet above the natural 100-year frequency flood levels. The plan proposes that a project for flood protection be developed in coordination with the Army Corps of Engineers.

No new hazardous developments are proposed by the plan. The plan proposes creation of two major industrial parks with zoning under which the effects of air contaminants, noise, glare, radio activity and electrical disturbance, are not permitted to emanate beyond the grounds where the permitted use is located. It is expected that some industries now scattered throughout the community could relocate to the industrial park.

LOCATION AND PLANNING NEW DEVELOPMENT

(CA - 30244, 30250, 30253(3) and (4))

ISSUE IDENTIFICATION:

Consideration should be given to relocation and consolidation of some existing uses, primarily industrial, in order to minimize existing mix use conflicts, facilitating community redevelopment and bay access.

Mitigation measures should be developed for current traffic and parking impacts related to labor-intensive employment centers within the community, including consideration of public transit alternatives to reduce congestion and minimize vehicle miles traveled.

Additional issues to be considered relate to mitigating existing air quality impacts resulting from industrial and auto emissions, as well as noise. Development proposals in the Barrio plan will be greatly affected by Port District and Navy development proposals and vice versa. It is therefore important that a balanced land use of City-Port District-Navy proposals be developed.

#### PLAN RECOMMENDATION

The plan proposes the relocation and consolidation of some existing industrial uses within certain industrially designated areas both in the community and outside the community. Some industrial/residential and commercial mix uses are proposed under strict development conditions, which include environmental development standards for industry. The plan proposes a comprehensive circulation network and organization of transportation systems, together with special truck routes, public transit, and special parking areas. Air and noise pollution impacts resulting from industrial/residential mixed development will be greatly mitigated by the application of strict performance standards of the M-IP and M-1B Zones. It should be noted that the City has limited jurisdiction over the implementation of these proposals, the Port District would have to implement them within the

tidelands area, and the E.P.A. (Environmental Protection Agency) would enforce air quality control.

#### VISUAL RESOURCES AND SPECIAL COMMUNITIES (CA - 30251, 30253(5))

#### ISSUE IDENTIFICATION:

The Barrio Logan is not considered a special community under the narrow Coastal Act definition, since it does not serve as a visitor-destination center for recreational purposes. However, the California Coastal Plan (Subregion 11) designates the Barrio Logan area as a "community with special qualities of greater than local significance." The reasons for this designation are the community planning area's opportunities for low and moderate income housing, and its cultural and historical heritage as a Chicano community. The Barrio was further "identified as a special study area so that the City and State can coordinate planning and promote community interests."

There is a need to establish visual and physical contact between the community and the Bay. This need involves close cooperation between the Port District and the City, as well as cooperation with the U.S. Navy. The unique cultural heritage, already expressed at Chicano Park, and the social ethnic makeup of the community should be given a proper role in establishing this area's "special qualities."

Additional issues relate to Urban Design considerations, beautification, and the general

development of the community's visual appearance, specially along commercial areas and along the boundary between residential and industrial areas.

#### PLAN RECOMMENDATION

The California Coastal Plan's designation of the Barrio Logan/Harbor 101 Community (Subregion 11) as a "community with special qualities of greater than local significance" is further recognized and emphasized in the plan proposals by recognizing and maintaining the unique residential-industrial mix. This can be accomplished by physical development controls which assure a balanced co-existence, as well as the maintenance, rehabilitation and development of low and moderate income housing, the reinforcement of the unique ethnic character and social strengths in the community, and the provisions for access to the bayfront to experience the unique qualities of waterfront industrial activity and visually participate in it.

The plan further proposes landscaping, beautification, buffers and qualitative urban design development controls to totally enhance the community.

#### PUBLIC WORKS (CA - 30254)

#### ISSUE IDENTIFICATION:

Additional development within Barrio Logan will necessitate the establishment of special districts particularly with respect to redevelopment activity, rehabilitation, and public improvement facilities.

Capital improvements will be identified as well as special methods of financing and responsibilities. Consideration should be given to the impact of special assessments on the retention and rehabilitation of single-family residential uses.

#### PLAN RECOMMENDATION

The plan proposes some major public works in circulation, transportation and public facilities, including new street extensions, street narrowings and landscaping, redesigned on-street parking on local streets, and redesigned streets such as Harbor Drive to accommodate multi-modal transportation and industrial parking needs. The plan also proposes public facility consolidation such as the fire and police, to be jointly located in an existing Fire Department facility. Consolidation of community center activities at Chicano Park and the Educational Cultural Center area are also proposed. Assessment districts for industry parking improvements related to residential rehabilitation and development are also proposed to be financed by Federal, State and Conservancy grants.

#### INDUSTRIAL AND ENERGY FACILITIES (CA - 30232, 30255, 30250(b), 30260-64)

#### ISSUE IDENTIFICATION:

There may be some need to relocate some existing non-coastal dependent uses to new consolidated industrial parks within the community, or outside of the community in order to facilitate community housing rehabilitation, redevelopment and bay accessibility.

Some heavy industrial uses, due to their age and development qualities, create adverse water, air, and noise pollution. In addition, there are some potentially hazardous uses such as petroleum tanks which should be perhaps relocated to more appropriate sites.

The industrial uses which are coastal dependent because of location, physical development characteristics and lack of environmental quality controls have identifiable adverse impacts on the community, and should be relocated to an industrial park area. Some within the Barrio are designed specifically to ameliorate these environmental problems.

The community area does not contain high energy consuming uses. The residential component is not large and many of the homes are over thirty years old. Houses built in that period did not consume large quantities of water. Residential yards are small with minimal landscaping. Many of the commercial and industrial uses are warehousing, storage and metal fabrication, which are not large water consuming uses. The community is close to the urban core thus the need for energy consuming auto trips is minimized. Yet many of the industrial uses in the Port District are large energy consumers, these include tuna processing, kelp processing, electrical power generation, and shipbuilding. In contrast, the industrial area has the potential to save energy through increased use of shipping and railroads for transportation, rather than trucks.

## PLAN RECOMMENDATION

The plan proposes studies to relocate some noncoastal dependent uses into industrial locations both outside of the community and/or relocated within the community, in order to facilitate housing rehabilitation and development. Other industrial uses which are coastal dependent or accessory to coastal dependent uses are proposed to be maintained and physically and environmentally improved through new development controls which might include air, noise, particle and radio-active pollution controls.

The plan proposes the development of a new industrial park for ocean oriented industry, for either an ocean industry manufacturing center, a fishing industry center, or an extension area for the Port's 10th Avenue terminal extension. This activity will provide an expanded and new industrial base for the San Diego region as a whole. Further studies should be made to establish the actual use of this park.

## SUMMARY OF KEY ISSUES

### ISSUE IDENTIFICATION

- o Retention and rehabilitation of housing opportunities for persons of low and moderate income.
- o The incompatible mix of heavy industrial uses and residential uses.

- o Provision of Bay access.
- o Establishment of visitor-serving recreational facilities.
- o Mitigation of traffic and parking problems resulting from major industrial employment centers.
- o Provision for adequate opportunities for new or expanded coastal dependent uses.

#### PLAN RECOMMENDATION

- o The plan proposes the retention, rehabilitation, and expansion of existing low and moderate income housing.
  - o The plan proposes separation of residential and industrial uses, as well as the establishment of qualitative development controls on industry to insure minimal interference and impact on the residential uses.
  - o The plan proposes that access to the Bay be provided. The implementation of access proposals are dependent on the willingness of other agencies, the Unified Port District and the U.S. Navy to implement these proposals.
- o The plan proposes the establishment of visitor-serving recreational facilities through the development of a waterfront public open space area which could serve visitor needs as well as community needs. In addition, the plan recognizes the uniqueness of Chicano Park and its murals as a cultural landmark in the community.
  - o The plan proposes the development of a circulation/transportation network which includes automobile, bus, cargo-railroad, light rail, bikeways and pedestrian circulation, together with transit stops, and parking areas for the commercial development on Logan and Main Streets.
  - o The plan proposes the development of a new industrial park for new and/or expanded ocean oriented industries.

# Special Areas Element

Two jurisdictions, the U.S. Navy and the San Diego Unified Port District, hold the key to the successful development of this plan. The physical, economic and social impacts of the Port District and the Navy as well as City proposals and actions know no boundaries. It is reasonable therefore, to evaluate both halves of the same study area and produce joint proposals as much as possible.

The study and development of the Barrio Logan/Harbor 101 Plan has strived to consider both sides of the Tidelands and Navy property line in relation to different regulations, different responsibilities and different socio-economic considerations. The conclusions reached in this Plan are that some balance should be obtained in development of proposals on both sides of that line.

It is reasonable to conclude that land use commitments and existing development in some areas are such that those commitments should be seriously considered and complimented by the corresponding agency. It is in such spirit of cooperation that the Barrio Logan/Harbor 101 Plan makes specific development proposals in some areas as a direct response to Navy and Port District proposals. In other areas however, it has been found that it would be necessary to influence Port and Navy proposals to consider upland City developments. In an effort to help and expedite the development of such compatible proposals, this plan makes the following land use and transportation proposals for approval and implementation by the U.S. Navy and San Diego Unified Port District.

## THE SAN DIEGO UNIFIED PORT DISTRICT

### EXISTING CONDITIONS:

The San Diego Unified Port District controls the development and planning activities along the San Diego Bay waterfront on the tidelands. As has been discussed in the Industrial Element of this plan, present development along this area, is marine oriented industry, and transportation activities, which include in some areas a major regional access route, Harbor Drive and railroad tracks and yards.

The Port District developed a master plan several years ago. That master plan proposes marinas, park grounds and commercial recreation activities, and some waterfront industry within the Centre City Community Planning area, just north and west of the Barrio Logan/Harbor 101 community planning area. Within the Barrio Logan community, the Port District's Plan proposes industrial development, and maintains the 10th Avenue transportation terminal.

Based on its master plan, the Port District intends to maintain the industrial nature of its leases along the waterfront and although the area will remain industrial a means of public access has been included in the Port Plan for the Barrio Logan/Harbor 101 community related area. The latest updated Port District Preliminary Master Plan distributed in March, 1979, includes the proposal.

The industrial development on the Bay, for the most part took place during and just after the World War

II, in the 1940's. Some residents of the Barrio still remember vividly, the beach, pier and restaurants that they used to enjoy at the waterfront, a far cry from the present state. Industrial development in this section of San Diego Bay could stand much improvement, especially when compared to more recent developments in other areas of the port lands, such as the Van Kamps Cannery, and Campbell industries; both industries which have attempted developments with a positive visual quality.

Coordination of development between the Unified Port District and the City, in this area has been lacking due to the lack of a Community Plan on the City portion. This has not been the case in other City/Port bayfront areas such as Point Loma and Centre City where community plans and Port plans were developed in closer cooperation.

#### RECOMMENDATIONS:

COORDINATE ALL ACTIONS AND PREPARE COMPLEMENTARY PLANNING PROPOSALS FOR BOTH SIDES OF THE TIDELANDS. FIND WAYS AND MEANS TO JOINTLY IMPLEMENT PROJECTS WHENEVER POSSIBLE:

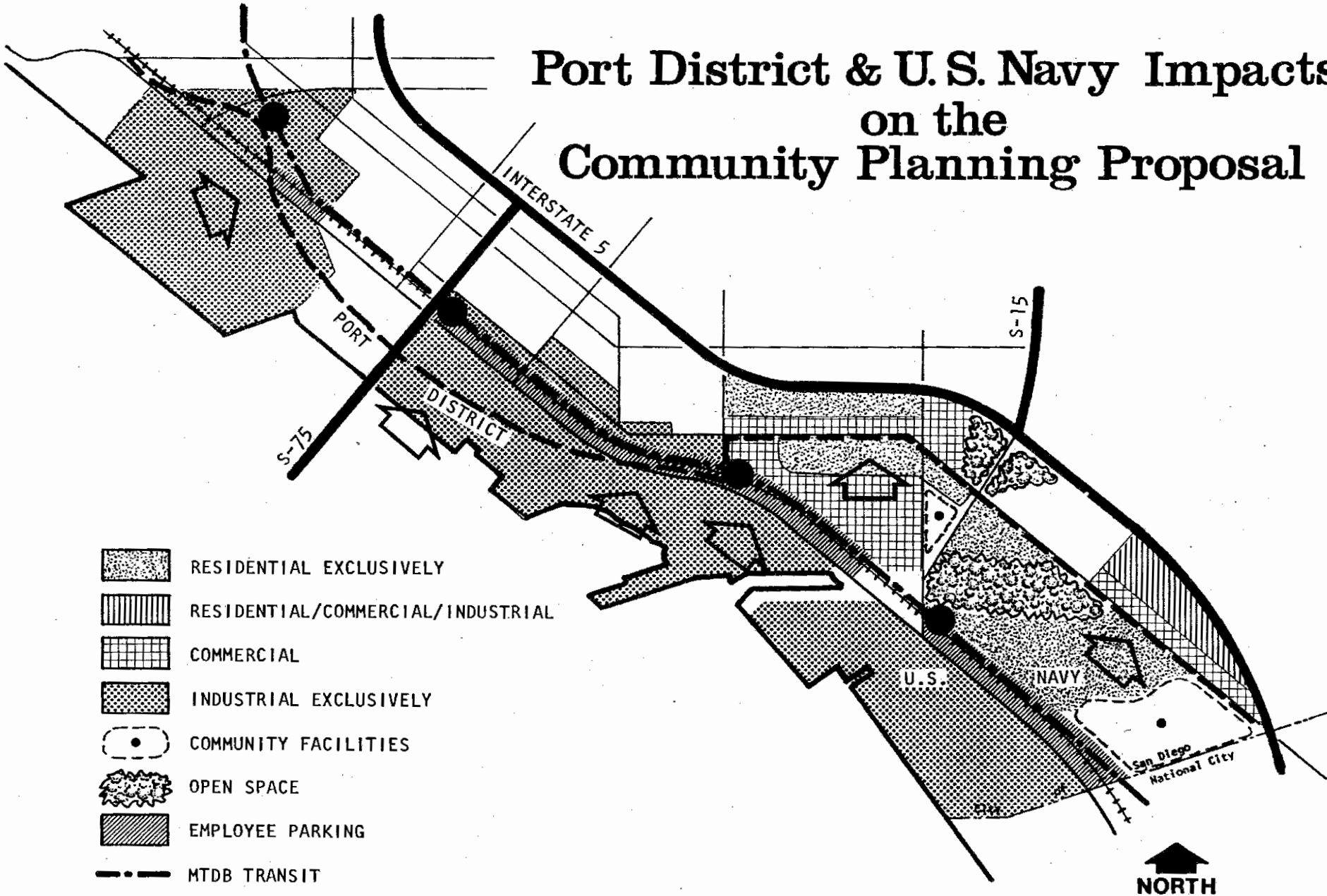
The Barrio Logan/Harbor 101 planning proposals acknowledge and reinforce the Port District's master plan proposals, whenever that is possible.











The Plan provides for waterfront industrial development in one area, and industrial rehabilitation in another area, to follow similar high quality standards which the Port presently requires of its major industrial lessees. There are three areas where City and Port jurisdictional cooperation is affected.

#### Area 1. The New Industrial Park Complementing the 10th Avenue Terminal:

This is the area known as the Northwestern Area, where major commitment exists to ocean transportation and industrial uses related to the 10th Avenue Terminal. It is reasonable that major development be considered by the City to complement the Port industrial and transportation commitments. As a result, the Barrio Logan/Harbor 101 Community Plan, proposes the development of an Industrial Park oriented to oceanic industries, as discussed in the Industrial Element of this plan. The implementation of that proposal will involve a joint project and effort on the part of the City, the Port, the Railroad interests, and other related private and public agency interests.

# Port District & U.S. Navy Impacts on the Community Planning Proposal



-  RESIDENTIAL EXCLUSIVELY
-  RESIDENTIAL/COMMERCIAL/INDUSTRIAL
-  COMMERCIAL
-  INDUSTRIAL EXCLUSIVELY
-  COMMUNITY FACILITIES
-  OPEN SPACE
-  EMPLOYEE PARKING
-  MTDB TRANSIT
-  MTDB STATION
-  MAJOR STREETS

**BARRIO LOGAN  
HARBOR 101**

## Area 2. A Rehabilitated Industrial Park South of the Bay Bridge:

The southern portion of the Port District's jurisdiction in the Barrio, south of the Coronado Bay Bridge, is also heavily committed to industrial uses. Little vacant land exists in the area for new development. The industrial uses have been located here for several decades, and serious visual, and employee parking problems exist, which affect the City's portion of the Barrio Logan/Harbor 101 Community Planning Area. This is the area proposed for a rehabilitated industrial park, in the Industrial Element of this Plan. The proposal suggests the joint rehabilitation of this industrial area, by the City, the Port, and the individual industries, with actions that will mitigate air pollution, noise, visual, parking and circulation problems which affect the Community.

The rehabilitation programs include beautification programs for the industrial facilities, landscaping, buffers, fences and walls, general paint up and fix up, modernization and strict maintenance of the facilities. These actions are coupled with the development of parking reservoirs for employee parking, redesign of Harbor Drive and development of MTDB transportation and related facilities.

The two areas mentioned, encompass a total of approximately 300 acres, 150 acres within the Port District and 150 acres within City jurisdiction.

## Area 3. Bay Access

The third area within Port/City jurisdiction, is presently vacant, and it is closely related to the Barrio Logan/Harbor 101 Community Elementary School, Community Clinic, Neighborhood House and Chicano Park facilities. Whereas in the past the community residents had access to the Bay waterfront, with a fishing pier, commercial areas, and a beach; presently the community has no waterfront public access, in an area immediately adjacent to 2400 residents, and serving a related population, across the freeway, of 16,000 additional residents. As a result of this plan, the area population would increase by two-thirds or even double, depending on the success of the residential development projects, this population increase should also consider the projected increases in the Navy population at the 32nd Street Naval Station.

In this case, this community plan, recommends that the Port District proposals for this vacant parcel of land respond to some of the City portion needs by developing public access to the Bay, and the complementary commercial and industrial water oriented uses, which would not conflict with public accessibility and bayfront enjoyment. The specific proposals related to this area, are contained in the Commercial and Open Space Elements of this Plan. The total area involved is 64 acres, eight acres of which are within the Port District jurisdiction and account for two percent of the Port District holdings in the Barrio Logan/Harbor 101 Community Planning Area.

#### IMPLEMENTATION RECOMMENDATIONS:

This Plan recommends that in conformance with the policies of the California Coastal Act, the City and Port District work in a cooperative manner, towards the joint development and implementation of these proposals, which would be reviewed and agreed upon by the California Coastal Commission.

The Plan further recommends that the redevelopment agency coordinate implementation actions between City, Port District and other agencies, as described in the Industrial, Commercial, the Transportation and Open Space Elements of this Plan.

#### UNITES STATES NAVY THIRTY-SECOND STREET NAVAL STATION

##### EXISTING CONDITIONS:

The U.S. Navy owns and has jurisdiction over 700 acres within the 32nd Street Naval Station, approximately 300 of these acres are within City boundaries in the Barrio Logan/Harbor 101 community, thus, controls the development of all the southeastern portion of the Barrio area. The Navy, Logan/Harbor 101 study area, from 28th and Main Streets. Street access through much of the community, is possible through dedicated City Streets that subdivide the Naval Station.

The Naval Station is the home port for approximately 130 U.S. Navy ships; the station includes not only berth space, but ship repair and storage facilities as well as office space. Residential uses are also included, providing housing for 4,000 officers and enlisted personnel; also included is the Navy Exchange and Commissary with 200,000 square feet of commercial space, one of the largest in the U.S. Navy. Community services are also located on this Base, in the form of clinics and educational centers which occupy 450,000 square feet. Additional recreational facilities such as restaurants, gymnasiums, sports fields, bowling alleys and a 40-acre golf course are also included. In its totality, the Navy provides employment for 41,000 people and the Base provides services for a regional Naval population of approximately one-half million people.

In the Fall of 1976 the Navy started to prepare a new master plan, where issues related to security, additional housing for the enlisted personnel which could be identified as low income, improved retail facilities, and other community facilities in the form of clinics, schools and a detention facility were considered. From the point of view of the Barrio Logan/Harbor 101 resident, in opinions voiced at community meetings over a period of four years, most comments revolved around the Navy's external image, with complaints about the poor appearance of outside fences and buffers around the Base, and the frustration of not having access to recreational facilities like those on the Base within the Barrio Logan/Harbor 101 community.

The U.S. Navy is presently completing the master plan for the Base which is being reviewed locally. The Navy's Plan proposes general beautification of their facilities, development of additional parking areas, additional housing services and some increases in industrial, warehousing and other naval maintenance facilities. The Navy's 1980 projection, 50,000 personnel would be accommodated on the Base.

The Navy Base Plan, will affect some of the City's portion of the Barrio Logan/Harbor 101 community, major impacts are, increased automobile circulation, and possible congestion on City streets, with the resulting parking problems, mostly from the industrial and commercial development at the Base. Other demands on the community relate to commercial and recreational supportive facilities, as well as low and moderate income housing, to compliment the residential component of the Naval Base Plan.

#### RECOMMENDATIONS:

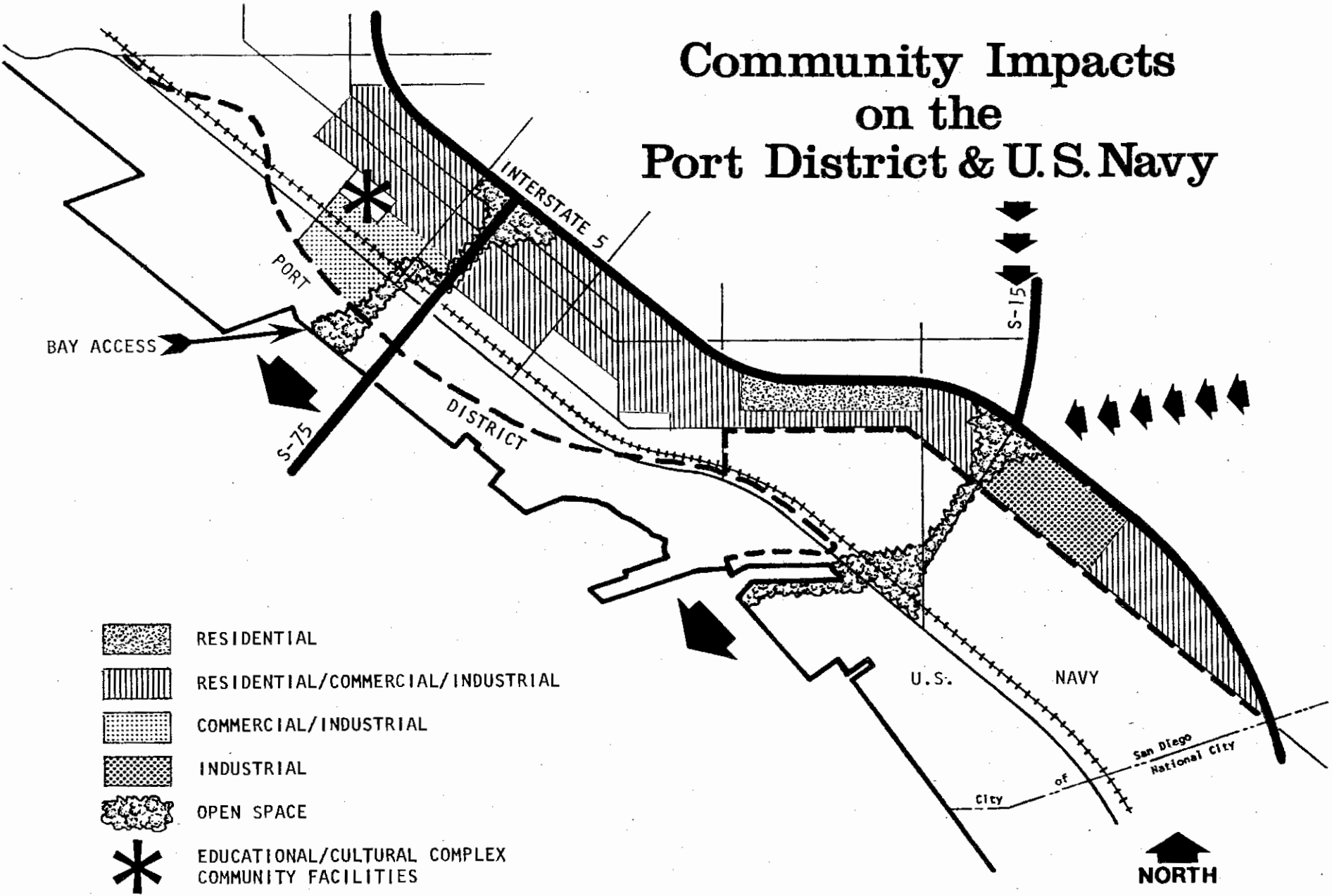
COORDINATE ALL ACTIONS AND COMPLIMENT PLANNING PROPOSALS ON CITY AND NAVY JURISDICTIONS: FIND WAYS TO JOINTLY IMPLEMENT PROJECTS WHENEVER POSSIBLE.

Three areas are affected; Navy population related services, open space, and parking and transportation. The Navy's proposed housing development along Main Street, should be supported by complimentary uses in the City's portion; for that purpose, the Barrio Logan/Harbor 101 Community Plan recommends the rehabilitation and infill of residential uses in the Dalbergia Area, and complimentary commercial rehabilitation along the City's portion of Main Street, as discussed in the Residential and Commercial Elements of this Plan.

The increased projections of City and Navy populations, should also be complemented by open space and recreational development and links to the waterfront. In this context; the Open Space Element of the Plan recommends the Chicano Park extension, and the Maritime Park, and the Chollas Creek open space system to the waterfront. This latter proposal will require the cooperation of the U.S. Navy.

In relation to the Navy's need for parking and to mitigate parking impacts on the City's portion of the community planning area, this plan recommends that parking reservoirs be developed along the Harbor Drive corridor, in the area presently used for surface parking, with removable parking structures, as discussed in the Transportation Element of this Plan.

# Community Impacts on the Port District & U.S. Navy



## BARRIO LOGAN HARBOR 101

The Plan for the Naval Base drafted by the U.S Navy proposed as a desirable option, to close Harbor Drive to through non-Navy traffic. The recommendation was evaluated in the Barrio Logan/Harbor 101 Planning Study. The conclusion reached was that the action would create accessibility problems, particularly impacted would be the Centre City Community redevelopment proposals, and it would require Main Street to be widened to six traffic lanes, which in turn would require large property purchases, making the excess land long and narrow and with little utility for major development. The Barrio Logan/Harbor 101 Community Plan therefore, recommends that Harbor Drive be kept open to through traffic, and that the Navy opt for the second alternative which was prepared as part of their planning effort. The closing of Harbor Drive was evaluated in detail in the Alternative Section of this Plan, as Alternative 7.

This Plan also recommends that edges, and buffer areas between Navy and City areas be properly treated and designed with fences, walls and landscaping.

#### IMPLEMENTATION RECOMMENDATIONS:

This Plan recommends that the redevelopment process, under California law, be used as the coordinating and management tool to implement these recommendations by which City and Navy development actions can be efficiently and properly phased. This Plan in both this section and the Open Space and Environmental Elements sections, also recommends that the City, Army Corps of Engineers, and U.S. Navy with the additional cooperation of the Coastal Commission and Coastal Conservancy jointly plan and develop Chollas Creek.

In relation to the parking reservoir proposal; the implementation of the Plan's recommendations should be through a joint effort of the Navy, City, Port District, Caltrans and MTDB.

# **PLAN IMPLEMENTATION AND PHASING**



# General Recommendations

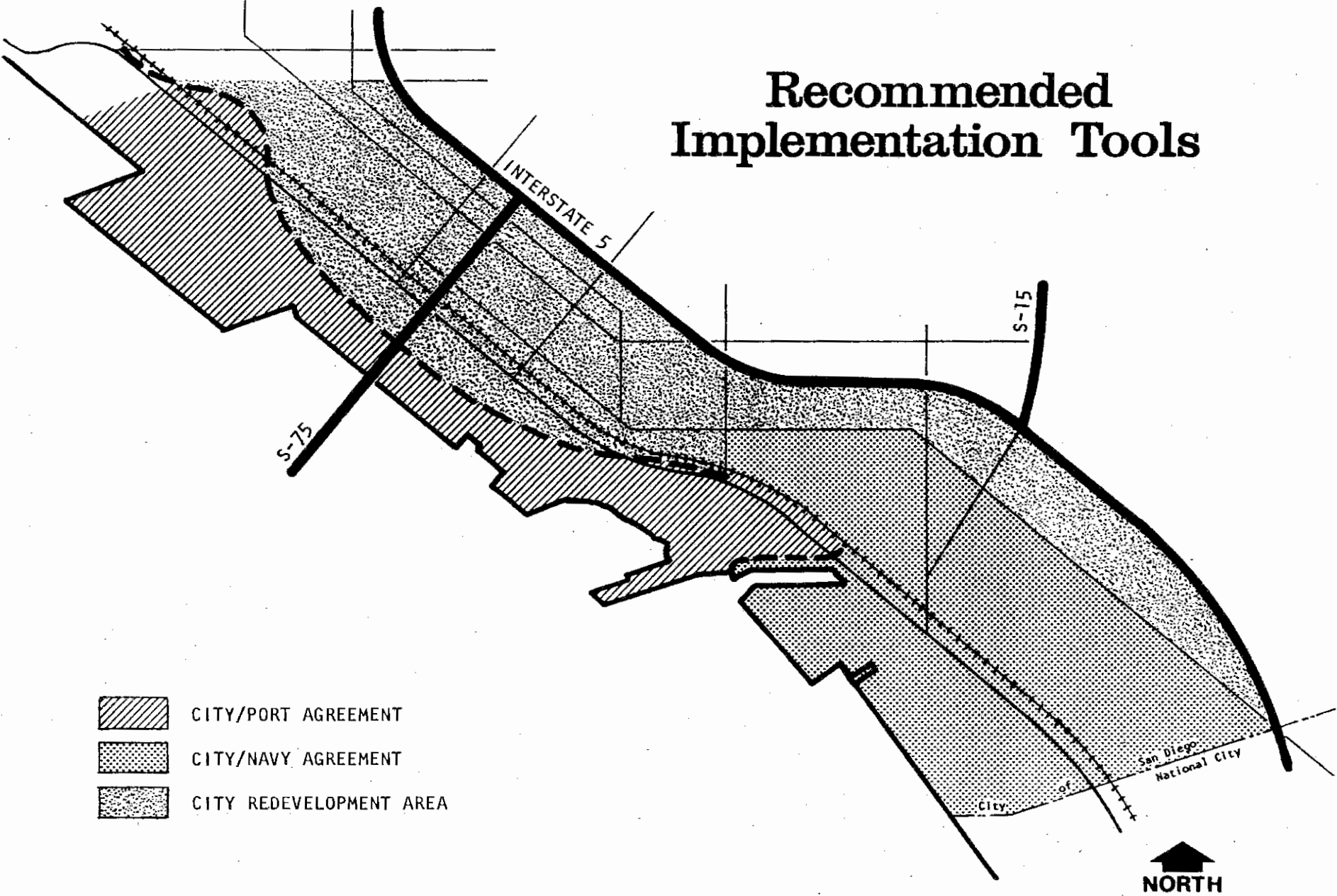
Generally, this Plan concludes that the implementation, and management tool most effective to coordinate and prioritize funding resources, for the implementation of this Plan is through the redevelopment process under the California Redevelopment Law. Therefore this Plan recommends that the Barrio Logan/Harbor 101 community planning area be established as a redevelopment area, under California State Law; this action requires that a Preliminary Redevelopment Plan be prepared and adopted by the City Planning Commission, and a Redevelopment Plan be subsequently prepared and adopted by the City Council.




Major land use regulation actions should be implemented primarily by rezonings, and development of new zones, designed to satisfy the requirements of the California Coastal Act. The zoning regulations will be prepared by the City Planning Department, and adopted by the City Planning Commission, the City Council, and the State Coastal Commission. Specific plan proposals, and projects, should be studied and coordinated by the Redevelopment Agency upon the Council approval of the redevelopment Plan Funding should be undertaken by agencies, and individuals with the Redevelopment Agency's coordination. Primary funding resources available are State and Federal grants, and special local (assessment) districts, as shown in the Implementation Chart at the end of this section. The role of private enterprise, should not be underestimated, since it plays a major role in the community rehabilitation, new development, and assessment districts for public improvements such as parking. Private enterprise should take the lead but be in close coordination and partnership

with the Redevelopment Agency as the Plan implementation managing and funding, coordinating agency.

This Plan Section is divided into Development Phasing, and Implementation Tools, Responsibilities and Coordination, and Recommended Funding Resources, this last section is represented by a chart.

# Recommended Implementation Tools



-  CITY/PORT AGREEMENT
-  CITY/NAVY AGREEMENT
-  CITY REDEVELOPMENT AREA

## BARRIO LOGAN HARBOR 101

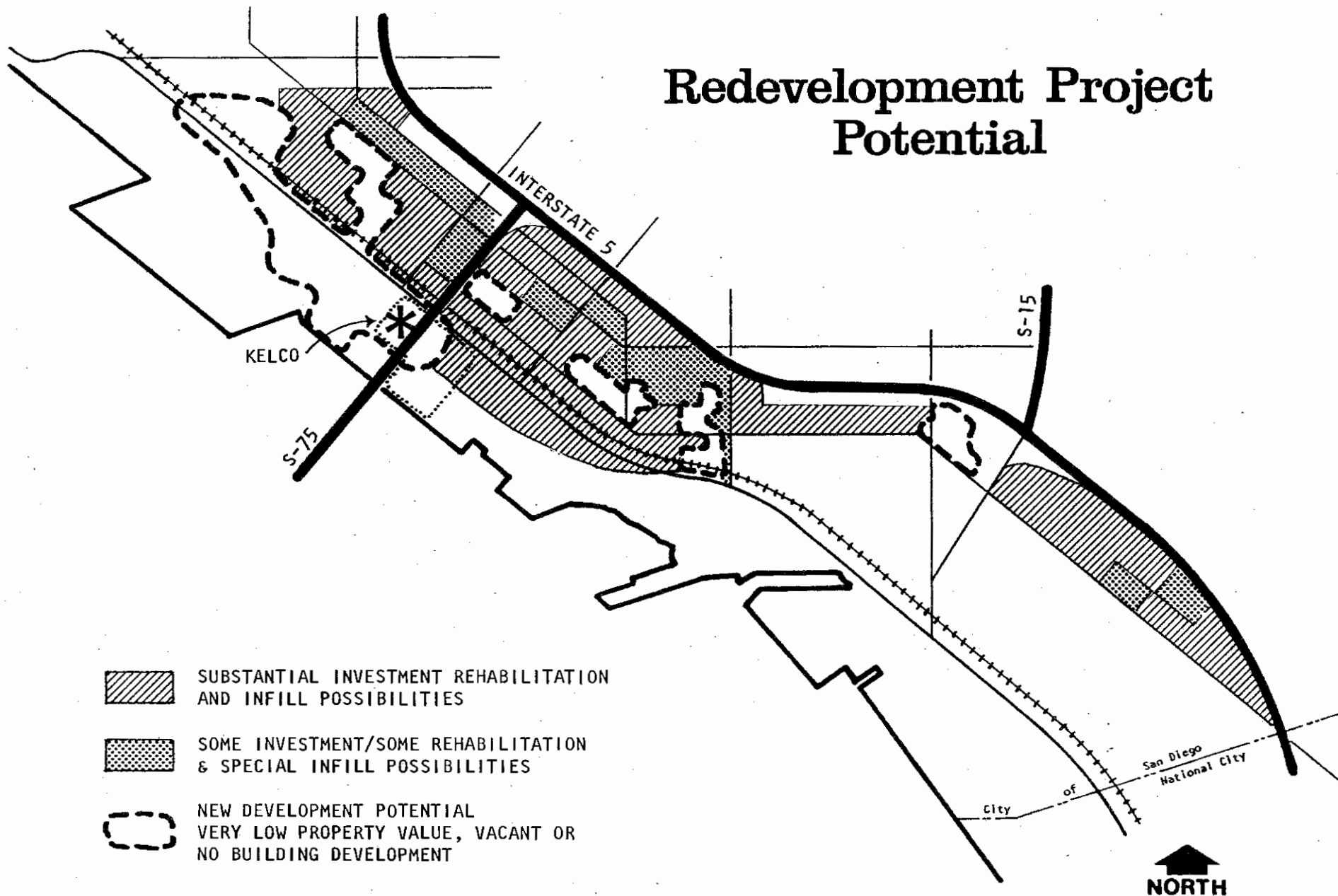
# Plan Implementation Phasing

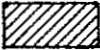

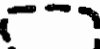
This Plan recommends an implementation phasing in three parts; Administrative Actions, Short Range Actions, and Long Range Actions. A time-frame is also suggested of two years, five to ten years, and 10 to 15 years respectively.

## ADMINISTRATIVE ACTIONS: (2 year period)

- o Develop zoning proposals for the community. Study and develop new zones and/or districts as necessary. Schedule for Planning Commission and City Council adoption.
- o Local Coastal program review and adoption by the City Council and Regional and State Coastal Commissions.
- o Development of a preliminary Redevelopment Plan and Final Redevelopment Plan.
- o Redevelopment studies for financing of (Residential, Industrial, Commercial Plans).
- o Coordinate MTDB development proposals.
- o Coordinate School District development.
- o Establish truck routes on designated streets.
- o Limit parking in community streets once a week to insure the street sweeping.
- o Establish an easement contract with the Navy for public access to Chollas Creek.
- o Establish an easement contract with the Unified Port District for public access to the bayfront.
- o Port District/Redevelopment Agency Coordination for joint development.
- o Coordinate development controls and/or rezoning action to establish land use conformity in rehabilitation areas, and provide for new development areas.
- o Establish Parking District.
- o Salvage Yard Locational/Zoning Study.

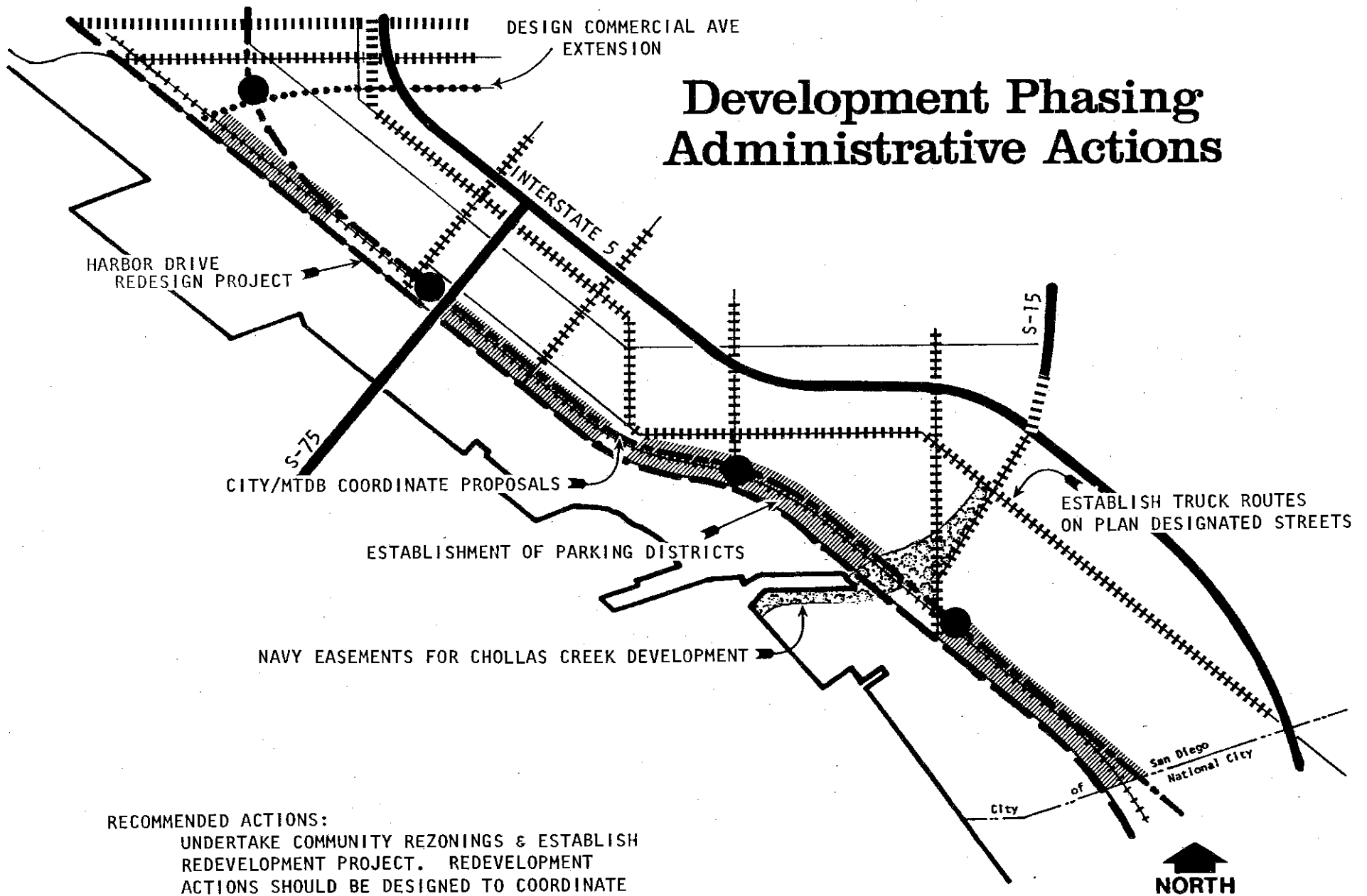
# Redevelopment Project Potential



-  SUBSTANTIAL INVESTMENT REHABILITATION AND INFILL POSSIBILITIES
-  SOME INVESTMENT/SOME REHABILITATION & SPECIAL INFILL POSSIBILITIES
-  NEW DEVELOPMENT POTENTIAL VERY LOW PROPERTY VALUE, VACANT OR NO BUILDING DEVELOPMENT

## BARRIO LOGAN HARBOR 101

# Development Phasing Administrative Actions



## RECOMMENDED ACTIONS:

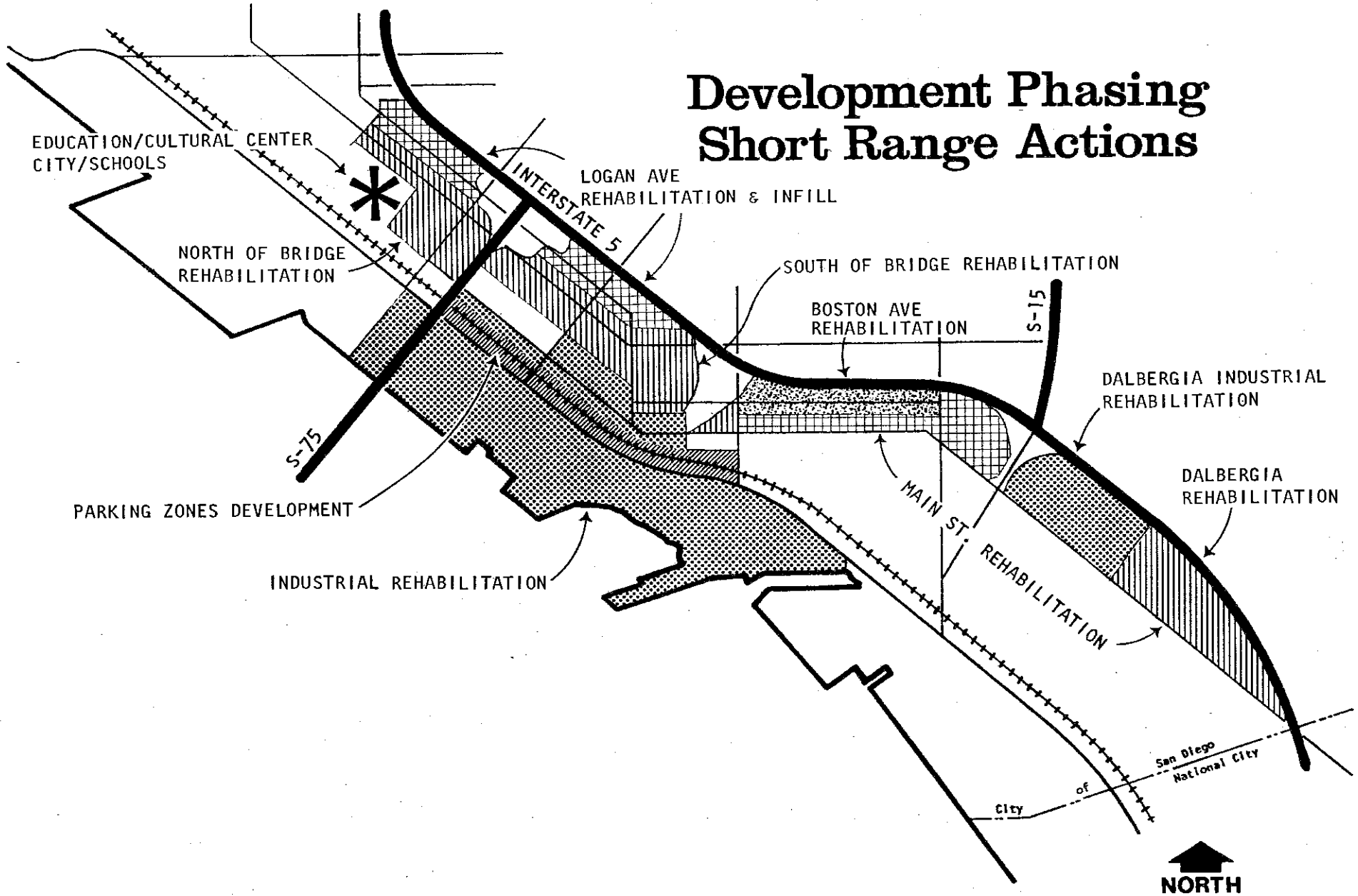
UNDERTAKE COMMUNITY REZONINGS & ESTABLISH REDEVELOPMENT PROJECT. REDEVELOPMENT ACTIONS SHOULD BE DESIGNED TO COORDINATE PRIVATE COMMUNITY REHABILITATION & DEVELOPMENT & FUNDING SOURCES FROM FEDERAL AND STATE GOVERNMENTS.

# BARRIO LOGAN HARBOR 101

SHORT-RANGE ACTIONS: (5-10 years)

- o Housing Rehabilitation (Development of plans, financing, implementation).
- o Commercial Rehabilitation (Development of plans, financing, implementation).
- o Industrial Rehabilitation (Development of plans, financing, implementation).
- o School/Cultural Center Development (Plans, financing, implementation).
- o Completion of Chicano Park.
- o Senior Citizen Housing (Development of plans, financing, implementation).
- o Navy beautification of edges.
- o Parking Reservoirs.
- o Redesign of Harbor Drive (Plans, financing, implementation).
- o Design of Chollas Creek and environmental studies.
- o Major street beautification (Plans, financing, implementation).

# Development Phasing Short Range Actions

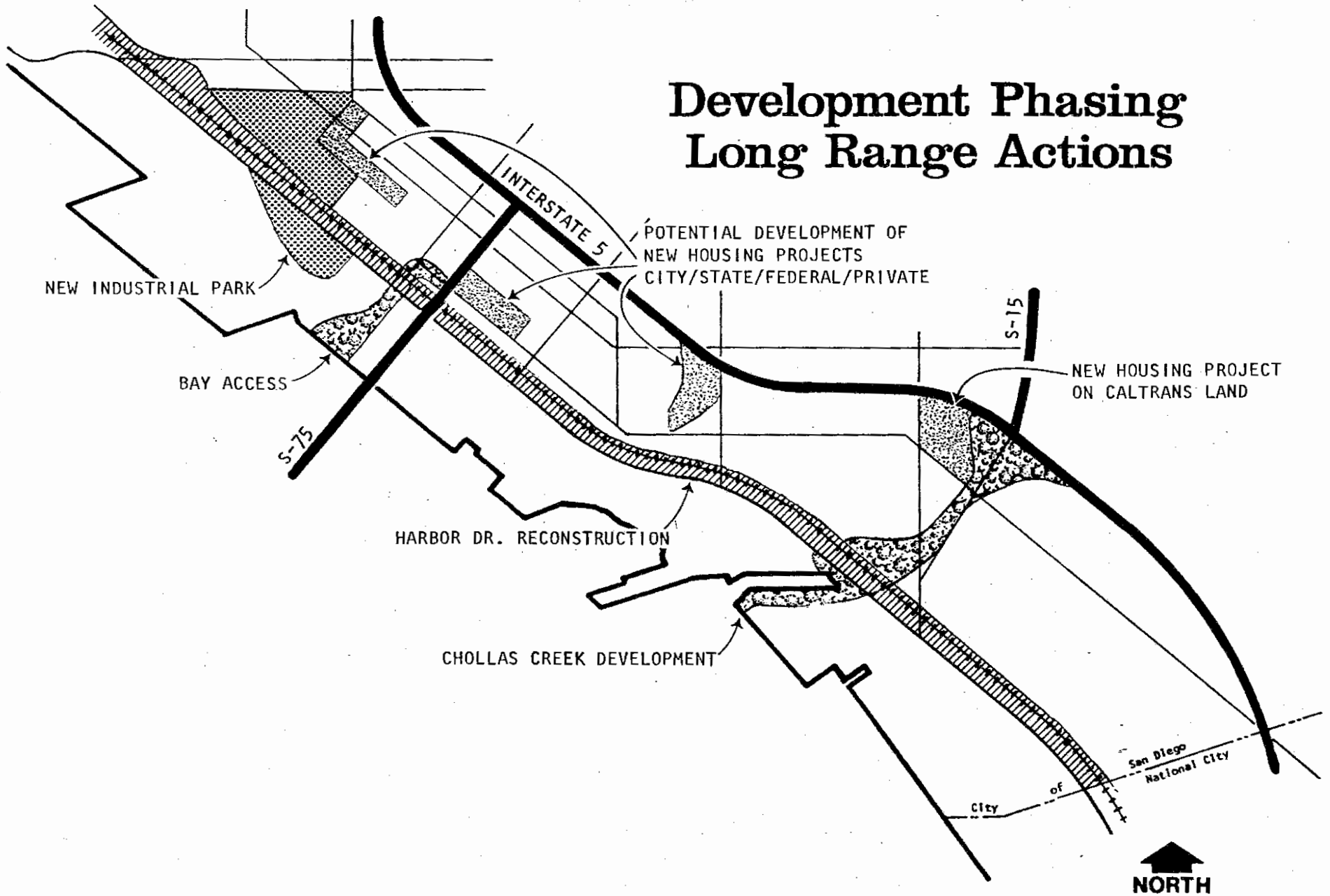


## BARRIO LOGAN HARBOR 101

LONG-RANGE ACTIONS: (10-15 years)

- o New Industrial Park (Development plan, financing, implementation).
- o Junkyard Relocation and/or development controls conformance.
- o New Housing Development (Development plan, financing, implementation).
- o New Office Development (Development plan, financing, implementation).

# Development Phasing Long Range Actions



**BARRIO LOGAN  
HARBOR 101**

**BARRIO LOGAN/HARBOR 101 IMPLEMENTATION CHART**

**IMPLEMENTATION TOOLS/MAJOR RESPONSIBILITIES &**

- LEGEND**
- Special Agencies  
 P = Port District  
 N = U.S. Navy  
 B = S.D. Transit Corp.  
 T = M.T.D.B.
- Responsibilities  
 Major Responsibility  
 Coordination  
 X Input
- Funding Sources  
 M Major Funding Source  
 S Supplementary Funding  
 X Minor Funding Sources

PROJECTS	CITY					LOCAL AGENCIES		LOCAL DISTRICTS	
	REZONINGS	OVERLAY ZONES	REDEVELOPMENT	C.I.P. CAPITAL IMPROVEMENT	GAS TAX	JOINT POWERS AGREEMENTS	TRANSPORTATION (MTDB/BUS)	CITY SCHOOLS	COLLEGE DISTRICT
<u>RESIDENTIAL DEV.</u>	PLANNING DEPARTMENT		MANAGER DEPARTMENTS			PORT/NAVY	MTDB/SDT		
1. Rehabilitation	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>						
2. New Housing	X		<input checked="" type="checkbox"/>	X					
<u>COMMERCIAL DEV.</u>									
1. Rehabilitation	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>		X		B X		
<u>INDUSTRIAL DEV.</u>									
1. Rehab. S. Bridge	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	X	X		B		
2. Rehab. Dalbergia	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	X			B X		
3. New Ind. Park	X		<input checked="" type="checkbox"/>	X	X		BT X		
<u>COMMUNITY FACILITIES</u>									
1. Chicano Park Ctr.			<input checked="" type="checkbox"/>	X	X		BT X		
2. Educ./Cult. Ctr.			<input checked="" type="checkbox"/>	X	X		BT X	M	S
<u>OPEN SPACE</u>									
1. Chicano Park			<input checked="" type="checkbox"/>	M			BT X		
2. Bay Access			<input checked="" type="checkbox"/>			P [M]			
3. Chollas Creek			<input checked="" type="checkbox"/>	X	X	N [S]	B X		
<u>CIRCULATION</u>									
1. Commercial St.			<input checked="" type="checkbox"/>		X				
2. Harbor Dr.			<input checked="" type="checkbox"/>		M	N	BT S		
3. Major St. Beautification			<input checked="" type="checkbox"/>	M	S		B S		
4. Freeway Landscaping			<input checked="" type="checkbox"/>						
5. Local St. Beautification			<input checked="" type="checkbox"/>	X	M			S	
6. Parking/Ind.			<input checked="" type="checkbox"/>	X	X	N	BT M		
7. Parking/Comm.			<input checked="" type="checkbox"/>	X	S		B X		
8. Bus Routes & Stops			<input checked="" type="checkbox"/>				B [M]		
9. Transit Routes/Stops			<input checked="" type="checkbox"/>				BT [M]		
10. Bikeways			<input checked="" type="checkbox"/>		S	S			

COORDINATION/MAJOR FUNDING/SUPPLEMENTARY FUNDING

STATE				FEDERAL						PRIVATE			PROJECTS
COASTAL CON-SERVANCY	EDUCATIONAL AGENCIES U.C.S.D.	TRANSPORTATION CALTRANS	PARKS & OPEN SPACE	DEPT OF COMMERCE PROGRAMS E.D.A.	H.U.D. BLOCK GRANTS	H.E.W. SOCIAL PROGRAMS	D.O.T. TRANS. DEPT.	FLOOD CONTROL ARMY CORPS.	ENDOWMENT OF ARTS & MISC.	ASSESSMENT DISTRICT	TAX INCENTIVES WRITE-OFFS	PRIVATE IMPL.	
S					M							S	<u>RESIDENTIAL DEV.</u>
S					M							S	1. Rehabilitation
													2. New Housing
													<u>COMMERCIAL DEV.</u>
				M	X		X			X		S	1. Rehabilitation
													<u>INDUSTRIAL DEV.</u>
(X)		X	X	S			X			S	S	M	1. Rehab. S. Bridge
(X)		X	X	S				S		S	S	M	2. Rehab. Dalbergia
(X)		X		S			X					M	3. New Ind. Park
													<u>COMMUNITY FACILITIES</u>
			X		S	M							1. Chicano Park Ctr.
S	S	X	S		S	S	X		S				2. Educ./Cult. Ctr.
													<u>OPEN SPACE</u>
X		X	X		S								1. Chicano Park
(S)			S		X								2. Bay Access
(S)	S	X	S		S		X	M					3. Chollas Creek
													<u>CIRCULATION</u>
X		S	X				S	S		S	X		1. Commercial St.
S		S	X				X						2. Harbor Dr.
S		M	X				X						3. Major St. Beautification
S		X	X		S		X			X			4. Freeway Landscaping
S		S		X			S			S	X	X	5. Local St. Beautification
S				M			S			S	X		6. Parking/Ind.
							S						7. Parking/Comm.
							S						8. Bus Routes & Stops
							S						9. Transit Routes/Stops
		(M)					S	S					10. Bikeways



# APPENDIX



# Appendix I

## ORGANIZATIONS AND AGENCIES CONSULTED

This document will be distributed to the following individuals and groups who have been requested to comment on the accuracy and/or sufficiency of the draft Environmental Impact Report;

Barrio Logan/Harbor 101 Community Planning Association  
Chicano Federation  
San Diego Harbor Industrial Association  
San Diego County Auto Recyclers Association  
Principal, Lowell Elementary School  
San Diego Unified Port District  
California Department of Transportation  
Metropolitan Transit Development Board  
San Diego and Arizona Eastern Railway  
Atchison, Topeka and Santa Fe Railroad  
National City  
U.S. Naval Station  
San Diego Gas & Electric Company  
Simpson Gerber & Bundy/Architects  
San Diego Coast Regional Commission  
Sierra Club  
Barrio Station, Inc.  
Southeast San Diego Development Committee  
San Diegans, Inc.  
U.S. Army Corps of Engineers  
Comprehensive Planning Organization

Office of Planning Organization  
Air Pollution Control District  
Regional Water Quality Control Board  
County Noise Control Hearing Board  
City Historical Site Board  
San Diego Transit Corporation  
San Diego Chamber of Commerce  
Construction Industry Federation  
San Diego Ecology Centre  
Citizens Coordinate for Century III  
Campaign for Economic Democracy  
Urban League  
Archaeological Resource Management Society  
San Diego Historical Society  
Federal Housing Administration  
County Health Department  
State Clearinghouse  
Community Planners Committee  
San Diego County Archaeological Society  
Society Save Our Heritage Organization  
Alfredo Velasco  
Barrio Logan Residents Association

# Appendix II

## LOCAL COASTAL PROGRAM DISTRIBUTION AND NOTIFICATION LIST

Bruce Warren, Exec. Dir., San Diego Coast Reg. Comm  
B. E. Martin, Reg. Dir., MID-Pac. Reg. Bur. of Reclamation  
Howard Chapman, Reg. Dir., West. Reg., Nat. Park Ser.  
Frank Sylvester, Reg. Dir. Bureau of Outdoor Recreation  
R. N. Appling, Jr., Chief, West. Field Oper. Ctr.  
Edward L. Hastey, State Dir., Bureau of Land Management  
George Robinson, Asst. Dir., West Reg., U.S. Dept. of the Interior Geo. Survey  
William Grant, Mgr., Pac. Outer Cont. Shelf Office, Bureau of Land Management  
William C. Sweeney, Area Mgr., Fish & Wildlife Service  
Thomas E. Hannon  
George R. Bell, Reg. Engin. Fed. Power Comm., Customs  
Charles Warren, Chair., Pres.'s Council on Envir. Quality  
Rich Jacobs, Dept. Atty. General Dept. of Justice  
John Hendricks, Trans. Special, U.S. Dept. of Commerce, Maritime Administration  
Dennis Davidson, Coastal Heritage Foundation  
Mike Leyman, Vickie Newman  
David Williamson, Sup., Dept. of Hous. & Comm. Deve., Plann., Rev. Sect./Research Dept.  
Thomas Sherman, Sup. Land Agt., Real Est. Div., Dept. of General Services  
Al Ulm, Asst. Supt., Dist. 6 (Orange & S.D. Counties)  
.. H. Dunn, U. S. Dept. of Transportation

Commander, 11th District U.S. Coast Guard  
Michael J. Giari, Maritime Administration  
Commandant, 11th Naval Dist.  
Robert J. Hitt, U.S. Dept. of Commerce  
San Diego Region Coastal Commission  
Russell Peterson, Chairman  
Brigadier General Richard M. Connell  
District Engineer Army Corps of Engineers  
Commanding Officer U.S. Navy, Attn: Wm. H. G. Van Ness  
Business & Transportation Agency  
Regional Director, Economic Development Admin.  
June Hega, Univ. of So. Ca. University Park  
California Resources Agency  
California Dept. of Food & Agriculture  
Darwyn Briggs, U.S. Dept of Agriculture  
Grant Dehart, National Oceanic & Atmosphere Administration  
Gerald V. Howard, National Oceanic & Atmospheric Administrator  
Public Utilities Commission  
James Neal, State Dept. of Parks and Recreation  
Lynda Svetlik  
Larry Thorton  
R. H. Engleken, U.S. Nuclear Regulatory Commission  
J. P. Juetton, Environmental & Safety Divison  
Patricia Port, U.S. Environ. Protection Agency  
F. G. Macias, U.S. Dept. of Interior., Pacific SE Region  
Robert Paيدا, U.S. Department Housing & Urban Development  
State of Calif. Department of Real Estate  
Coastal Conservancy

Solid Waste Management Board  
San Diego RWQCB, Attn: James Anderson, Exec.  
Officer  
State of Calif. Department of Health  
Andy Paulis  
San Francisco Bay Conservation & Development  
Commission  
Energy Resources Conservation & Development  
Commission  
State of Calif. Office of Planning & Research  
State of Calif. Dept. of Transportation  
State of Calif. Division of Oil and Gas  
Division of Mines & Geology, Geological Res. Div.  
A-015, Scripps Institute  
Eve Smull  
State of Calif. Air Resources Board  
Janet Britt, MTDB  
M. F. Thomas, Reg. Engineer, Customs House Bldg.,  
Rm. 415  
E. W. Standly, Director of Energy Resources  
State of Calif., Dept. of Conservation  
State of Calif., Dept. of Fish and Game  
State of Calif., Dept. of Navigation and Ocean  
Development  
State of Calif., Dept. of Parks and Recreation  
State of Calif., Dept. of Water Resources  
State of Calif., Dept. of Forestry  
State of Calif., State Lands Commission/Div.  
State of Calif., Water Resources Control Board  
Jack Welsh, Area Manager, San Diego Coast State  
Beaches  
Fred Trull, Planning Director, Port of San Diego  
Malcom Goerschler, Planning Director, City of  
National City  
William Healy, Planning Director, City of Del Mar  
Lou Lightfoot, Planning Director, Oceanside

Norm Williams, City of Chula Vista  
Jack Lohman, Comm. Dev. Dir., City of Coronado  
Paul Zucker, County of S.D., Integrated Planning  
Office  
James Butler, Planning Dir., City of Imperial Beach  
James Gilshian, Director, LEUR, County of San Diego  
James Hagaman, Planning Director, City of Carlsbad  
Lucky Mark - J. Camberos  
Caltrans - Design Department  
Anita J. Dunkl, Sec.  
Rosario Munguia  
E. W. Dickenson  
John E. Glen, Treas.  
Unrique Ybarra  
John Connor, Kelco Co.  
Octaviano Quintero, Corkys Pest Control  
Laura Rodriguez  
George Varela, SDPD  
Dr. Harold Culver, Land & Facilities Director, S.D.  
City Schools  
Tom Goodman, Superintendent of Schools  
San Diego County Food Control District  
City Desk, San Diego Union  
Metropolitan Water Dist. of Southern California  
San Diego County Water Authority  
C.P.O., Richard Huff, Exec. Dir.  
Councilman Gade  
Marilyn Colombo  
Environmental Quality Department, City of San Diego  
Citizens Coordinate for Century #3  
City Editor, San Diego Tribune  
San Diego RWQB, Attn: James Anderson, Exec.  
Officer  
Public Utilities Commission  
Local Agency Formation Commission, County of San  
Diego

Hal Valderhaug, City Attorney's Office  
Sentinel  
District 6 (Orange & San Diego Counties, Attn:  
John Waltram, Asst. Supt.  
R. W. King, Water Utilities Director, Metropolitan  
Sewer District  
D. R. Roberts, City Park and Recreation  
Don Robbins, City Traffic  
Malin Burnham, Pres., San Diegans, Inc.  
Marshall Roth, Chairman, Barrio Logan/Harbor 101  
CPG  
Vicki Turner, League of Women Voters  
Ralph Hughes  
Ben Rivera  
Carlos Castaneda  
Sue Talamantes  
Elsie Duenas  
Commander Jim Uhe, U.S. Naval Station  
Wesley D. Clesielski, S. D. Gas & Electric Co.  
Margarita Carmona  
Eduardo Trillo  
Unrique Ibarra  
Bill Harmon or John Murphy, c/o Nat. Steel &  
Shipbldg. Co.  
Larry Ronson  
Bill O'Toole  
Alejandro Gonzalez  
Jose Gomez  
Richard Quiggle  
Maria Granados  
Roy Butterfield  
Paul Foxworthy, Asst. to the Planning Director  
Al Johnston  
Ed Johnston  
Johnny Sanders  
Councilwoman Lucy Killea, Dist. 8  
Dick Bundy

Dan Gonzalez, City of San Diego Engineering &  
Development  
Chicano Community Clinic  
Barrio Station, Rachael Ortiz  
Community Relations Dept., George Varela  
Organizacion Femenil, Sra. Lillie Lopez  
Model Ex-Offenders, Ms. Farley  
Padre Hidalgo Center, Sister Sarah  
Chicano Federation, Jesse Ramirez, Executive  
Director  
Centro de Servicios Legales y Sociales,  
Felipe Adame, Director  
Harbor Center, Jesus Hueso  
I.M.P.A.C.T. (Servicios De Inmigracion),  
Ernie Azocar  
C.H.A.M.B.A. (Employment Office), Don Brady,  
Director  
North County Chicano Federation, Marina Sanchez,  
Director  
Casa Familiar de San Ysidro, Bob Stanovick,  
Director  
San Diego Police Community Relations Dept.,  
George Varela, Officer  
Harbor View Adult Center, Stella Kellog  
Burbank Elementary Sch., Mary Lou Sayler,  
Principal, (Grades Pre-K through 3), Parents  
Association & Teachers Aides  
Lowell Community School Program, Stephanie Perez,  
Director  
Our Lady of Guadalupe Church, Guadalupanos & Youth  
Organization, Father Brown  
Paradise Senior Gardens  
Barrio Logan Teen Post  
Paradise Senior Citizen Center Barrio Logan  
Residents Assoc., Eriberto Oriol, Rep.  
Harbor 101 Industrialists Association  
Bundy and Bradshaw Architects

APPENDIX III

BARRIO LOGAN/HARBOR 101 COMMUNITY PLAN BACKGROUND REPORT

ALTERNATIVE PLANS DEVELOPMENT AND EVALUATION

(UNDER SEPARATE COVER)