

AN ORDINANCE **45792**

AMENDING CHAPTER 42 (ZONING) OF THE CITY CODE SO AS TO ADOPT THE EDWARDS RECHARGE ZONE DISTRICT, AN OVERLAY ZONING DISTRICT DESIGNED FOR LAND LOCATED WITHIN THE RECHARGE ZONE OF THE EDWARDS AQUIFER, SAN ANTONIO'S SOURCE OF WATER, SO AS TO PROVIDE COMPATIBLE DEVELOPMENT, AND INSURE CONTINUED PURITY AND SAFETY OF THE WATER SUPPLY BY PROHIBITING USES WHICH MAY PRODUCE TOXIC, POLLUTED OR OTHERWISE UNSAFE SUBSTANCES OR RUNOFF WHICH COULD BE INTRODUCED INTO THE WATER SUPPLY, ADOPTING A TABLE OF PERMITTED USES FOR SUCH DISTRICT, PROVIDING FOR A PENALTY NOT EXCEEDING \$200.00 FOR VIOLATION HEREOF, AND PROVIDING FOR SEVERABILITY.

* * * *

WHEREAS, the Edwards Underground Reservoir consists of a water-bearing geological formations of Edwards and associated limestones which provide water for over 1,000,000 people, and

WHEREAS, this reservoir is the sole source of the municipal water supply for the City of San Antonio and for other cities within its geological area, and

WHEREAS, this source of water is presently of exceptionally good quality and relatively free of pollution, and

WHEREAS, practically all the water which enters the reservoir enters where the limestone formation comes to the surface, this exposure being known as the "recharge" area, and

WHEREAS, it is recognized that this "recharge" area could provide an entrance for wastes to contaminate the reservoir, and

WHEREAS, it is the desire and purpose of the City to protect this source of its pure water supply by regulating potential land uses, the quality of water run-off, and the handling of storage and waste products on the "recharge" area, NOW THEREFORE:

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. Chapter 42 (Zoning) of the City Code of the City of San Antonio is hereby amended so as to add a Division 3C to read as follows:

"DIVISION 3C. PURPOSE OF THE EDWARDS RECHARGE ZONE DISTRICT

Section 42-77.3. Edwards Recharge Zone District (ERZD)

This district has been established for locations where the Edwards and associated limestone formations come to the surface to provide a "recharge" area for the underground water supply contained within these formations. The "recharge" area also can provide an entrance to the underground water supply for contaminated water run-off from uses on the recharge zone as well as from the related sensitive area. Thus this recharge zone district is designed to not allow land uses which would produce toxic, corrosive, polluted, poisonous, radioactive, unpalatable, or otherwise dangerous substances injurious to the public health or which could otherwise adversely affect the water supply, therefore minimizing the risk of potential occurrences wherein such substances could enter the water reservoir. Land uses permitted are those not having operations, production, or storage of hazardous materials which could contribute contaminants to the water supply. Additional land uses are permitted with appropriate restrictions which will protect against the spread of contaminants due to the operations. The Edwards Recharge Zone District is an "overlay" district, meaning that property classified as being within the ERZD will also be classified as being in a regular zoning district. Land so designated may be utilized only for uses permitted in both the regular zoning district in which the land is situated and also in the ERZD table of permitted uses.

SECTION 2. Chapter 42 (Zoning) of the City Code of the City of San Antonio, is hereby amended by adding a section 42-79.2 to read as follows:

"Section 42-79.2. Location and Requirements of the Edwards Recharge Zone District.

The limits of the Edwards Recharge Zone District (ERZD) are described on United States Geological Survey Quadrangle Maps being copies of the "official" maps in the offices of the Texas Water Quality Board, and are defined in Texas Water Quality Board Order 75-0128-20. If the limits of the (ERZD) cannot be accurately determined, then the Zoning Board of Adjustment shall interpret the district boundaries after obtaining such geologic information as is necessary from the Edwards Underground Water District, or other properly designated agency.

Land located within the limits of the Edwards Recharge Zone District will be designated as also being within one of the districts listed in Section 42-67 thru 42-77. The uses permitted will generally be those permitted in a general zoning district and listed in Table 42-80, being further subject to all requirements of this Chapter for that particular use and district. However, some uses listed in a regular zoning district are not permitted in the Edwards Recharge Zone District because the operations conducted produce products or waste which could adversely affect the water supply if introduced into the aquifer through the recharge zone. Thus the ERZD classification, when affixed to a regular zoning district, creates a new zoning classification. Property within the Edwards Recharge Zone District will have the regular zoning designation such as R-3 with the ERZD as a suffix, therefore, being listed as R-3 (ERZD). Property so zoned may be used only for the uses permitted in both the R-3 residential district, and the ERZD. A use must be listed in the regular zoning table for the applicable regular zoning district as well as in Table 42-80.1, for the ERZD. Thus the designation of property as being within the Edwards Recharge Zone District places that property in a new district classification subject to all procedures and zoning requirements of this Chapter. Attached hereto and incorporated by reference is the MILITARY AIRPORT OVERLAY DISTRICTS AND EDWARDS RECHARGE ZONE DISTRICT TABLE OF PERMITTED USES, which specifies the uses permitted, and uses permitted with City Council approval. It shall be unlawful for any person to make use of any property located within the Edwards Recharge Zone District except in accordance with such table of permitted uses.

Three (3) copies of said table have been placed on permanent record in the office of the City Clerk as public record."

SECTION 3. Chapter 42 (Zoning), section 42-79, of the City Code is hereby amended to read as follows:

"Section 42-79. Standard for uses in districts requiring special approval.

The City Council may, after public hearing and proper notice to all parties affected, and after recommendation from the City Planning Commission containing such requirements and safeguards as are necessary to protect adjoining property, authorize the location of certain uses as specified in the Table of Permitted Uses indicated by the symbol "CC".

The uses requiring special approval of City Council include those involving public utilities, public institutions, areas and facilities related to urban development, certain uses in areas near airports where over flights make it necessary to prohibit uses which bring about increased population density, some uses on the Edwards Recharge Zone which operations could pollute the Edwards Aquifer, and those uses which due to the emission of smoke, dust, noise or noxious odors, may constitute a hazard to the health, safety and welfare of persons in nearby populated areas, such as rendering plants, acid, detergent, amonia, chlorine and creosote manufacutre, slaughter-houses,

and automobile wrecking.

The Planning Commission in those instances wherein special approval of City Council is required hereof, shall consider each such proposed use and make its recommendations to the City Council with reference thereto including in its recommendations requirements for proper platting in accordance with subdivision regulations, proper location with respect to the Master Plan, means of ingress and egress to the public street, requirements for the paving of streets, alleys and sidewalks, provisions for drainage, parking space and street layout and protective screening and open space, the necessity for restricting population densities in certain areas, and the effect of proposed activity on the pollution of the Edwards Aquifer, including standards as set forth in Texas Water Quality Board Order 75-0128-20.

Every special approval granted under the provisions of this section shall be considered as an amendment to the Zoning Ordinance as applicable to such property. In granting such approval, the City Council may impose conditions which shall be complied with by the grantee before Certificates of Occupancy may be issued by the building inspector for the use of the buildings on such property pursuant to said special approval; and such conditions shall not be construed as conditions precedent to the granting of such approval but shall be construed as conditions precedent to the granting of the Certificates of Occupancy."

SECTION 4. Chapter 42 (Zoning), section 42-80.1 of the City Code, is hereby amended by replacing the present table (Military Airport Overlay Districts--Table of Permitted Uses) with a new table which will show, in addition to the permitted uses of the Military Airport Overlay Districts, the permitted uses in the Edwards Recharge Zone District created herein. A copy of the new table, captioned "Military Airport Overlay Districts (MAOD) and Edwards Recharge Zone (ERZD) overlay table of permitted uses," is attached hereto and incorporated herein as "Exhibit A."

SECTION 5. It shall be unlawful to do or perform any act prohibited in this ordinance and it shall be unlawful to fail to do or perform any act required by this ordinance. Upon conviction, any violation hereof shall be punished by a fine not exceeding two-hundred dollars (\$200). Each day's violation hereof shall constitute a separate offense.

SECTION 6. If any section, subsection, sentence, clause, or phrase of this ordinance is for any reason, held to be unconstitutional or illegal, such decision shall not affect the validity of the remaining portions of this ordinance. The City Council hereby declares that it would have passed this ordinance, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared void.

SECTION 7. This ordinance shall be effective upon the eleventh day from date of passage hereof.

PASSED AND APPROVED this 2nd day of October, 1975.

Lila Cockrill

M A Y O R

ATTEST:

JH Suredman

City Clerk

75-59

APPROVED AS TO FORM:

Tom Stanley
for City Attorney

DISTRIBUTION

ITEM NO. VII Chap. 42

OCT 2 1975

AVIATION DIRECTOR	
BUILDING & PLANNING ADMIN.	2
CITY WATER BOARD	
COMMERCIAL RECORDER	
COMMUNITY DEVELOPMENT OFFICER	1
COMMUNITY ANALYSIS DIVISION	
COMPREHENSIVE PLANNING	
CONVENTION BUREAU	
CONVENTION CENTER	
FINANCE DIRECTOR	
ASSESSOR	
BUDGET	
CONTROLLER	
TREASURY DIVISION	
FINANCE-MODEL CITIES	
FINANCE-GRANT SECTION	
INTERNAL AUDIT	
MANAGEMENT ANALYSIS	
PROPERTY RECORDS	
FIRE CHIEF	
HEALTH DIRECTOR	
HEMISFAIR PLAZA	
HUMAN RESOURCES	
LAND ACQUISITION	
LEGAL	
BACK TAX ATTORNEY	
LIBRARY DIRECTOR	
MARKET & PARKING	
MONITORING & EVALUATION	
MUNICIPAL COURTS	
PARKS & RECREATION DEPT.	
PERSONNEL DIRECTOR	
POLICE CHIEF	
PRESS ROOM	
PUBLIC INFORMATION	
PUBLIC WORKS DIRECTOR	1
ENGINEERING DIV.	
ENGINEERING - SEWERS	
PUBLIC SAFETY - ASSOC. MGR.	
PURCHASING	
TRAFFIC & TRANSPORTATION	
<i>Mur Code Com</i>	

MEETING OF THE CITY COUNCIL DATE: _____
 MOTION BY: *Robert P. Billa* SECONDED BY: *Phil Pyndus*
45792
 ORD. NO. _____ ZONING CASE _____
 RESOL. _____ PETITION _____

COUNCIL MEMBER	ROLL CALL	AYE	NAY
PHIL PYNDUS PLACE 1		✓	
ROBERT P. "BOB" BILLA PLACE 2		✓	
HENRY G. CISNEROS PLACE 3		✓	
REV. CLAUDE BLACK PLACE 4		✓	
GLEN HARTMAN PLACE 5		✓	
AL ROHDE PLACE 6		✓	
RICHARD TENIENTE PLACE 7 (MAYOR PRO-TEM)		✓	
DR. D. FORD NIELSEN PLACE 8		✓	
LILA COCKRELL PLACE 9 (MAYOR)		✓	

75-59

August 28, 1975

Sec. 42-80.1 Military airport overlay districts (MAOD) and Edwards Recharge zone (ERZD) overlay table of permitted uses.

Uses permitted in the military airport overlay and in the Edwards Recharge zone overlay are as follows and should be used in conjunction with the table of permitted uses in Section 42-80.

PERMITTED USES	MAOD-1	MAOD-2	ERZD
Abrasives manufacture	X	X	CC
Accessory uses	X	X	X
Acetylene gas manufacture and/or storage			
Acid manufacture (hydrochloric, nitric, picric, sulphuric, sulphaneous and carbolic)			
Aerial survey	X	X	CC
Air conditioning sales, retail, completely enclosed (service incidental)	X	X	X
Air conditioning-refrigeration service repair (completely enclosed in B-3 with no installation of central units, heating or cooling)	X	X	X
Airports (nongovernmental)			CC
Air products manufacturing	X	X	CC
Alcoholic beverage manufacture	X	X	CC
Alcoholic beverage, retail sales (no on-premises consumption in B-2 district)	X	X	X
Alcohol, distillation and/or storage			CC
Altering and repairing of wearing apparel	X	X	X
Ambulance service	X	X	X
Ammonia, bleaching powder, and chlorine manufacture			
Amusement parks (commercial)			X
Animal shelter or dog pound (nongovernmental)	X	X	CC
Animal black lamp black or bone black manufacture	X(R)	X(R)	
Animal reduction	X(R)	X(R)	
Animal slaughter	X(R)	X(R)	
Antique store (completely enclosed)	X	X	X
Apartment hotel			X
Apothecary, limited to the sale of pharmaceutical and medical supplies	X	X	X
Apparel and accessory store (no used merchandise)	X	X	X
Appliance repair	X	X	X
Appliance repair (completely enclosed)	X	X	X
Appliance store (retail sales) repair only as incidental use (completely enclosed)	X	X	X
Armery			CC
Art gallery and/or museum (commercial-retail sale of objects d'art only)	X	X	X

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Artificial limb assembly	X	X	X
Asbestos products manufacture			
Asphalt products manufacture			
Auditorium (private) ¹			X
Automobile filling station and/or service (all repairs in B-3 district to be completely enclosed)	CC	X	CC
Automobile glass sales and installation	X	X	X
Automobile manufacture	CC	CC	CC
Automobile muffler, sales and installation (completely enclosed)	X	X	X
Automobile muffler, sales and installation (fenced outside storage)	X X	X X	CC X
Automobile parking lots or parking garages (commercial)	X	X	X
Automobile parts sales (completely enclosed, excluding wrecking or dismantling or any type of junk or salvage operation)	X	X	X
Automobile rental	X	X	CC
Automobile repair (completely enclosed)	X	X	CC
Automobile repair	X	X	CC
Automobile self-service island	CC	X	CC
Automobile storage (not parking lot or garage)	X	X	X
Automobile upholstery sales and installation (completely enclosed in B-3)	X	X	X
Automobile laundry	X	X	CC
Automobile wrecking, dismantling or salvage (enclosed by fence)	CC(R)	CC(R)	
Automobile and truck sales and service (new and used) (service completely enclosed in B-3)	X	X	CC
Aviary	X	X	CC
Bag cleaning	X	X	
Bag cleaning (entirely enclosed)	X	X	CC
Bait store	X	X	X
Bakery (retail)	X	X	X
Bakery (wholesale)	X	X	X
Bank; savings and loan; trust co.	CC	X	X
Barber and beauty equipment and related specialty sales (wholesale)	X	X	X
Barber or beauty shop	X	X	X
Batching plant (temporary permit, 6 months maximum in R-A, B-3 and B-4 districts)	X(R)	X(R)	CC
Battery manufacture	CC	CC	
Beverage manufacture (not including alcoholic)	X	X	CC
Bicycle and/or lawnmower repair (fenced outside storage)	X	X	X

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Bicycle and/or lawnmower repair (completely enclosed)	X	X	X
Blacksmith and horseshoeing	X	X	X
Blueprinting and photostating	X	X	CC
Boiler or tank works	X	X	CC
Bone reduction	X(R)	X(R)	
Bookbinder	X	X	X
Bookstore (no outside storage or display)	X	X	X
Bowling alleys			X
Brewery	X	X	CC
Broom and brushes manufacture	X	X	CC
Business college			X
Business machine store	X	X	X
Building specialties store, retail (completely enclosed in B-3)	CC	CC	X
Building hardware specialty items (wholesale, completely enclosed in B-3)	X	X	X
Butane and other liquefied products storage and sales			
Cabinet or carpenter shop (completely enclosed)	X	X	X
Cabinet or carpenter shop	X	X	X
Cafe or restaurant (curb service)	X ²	X ²	X
Cafe, restaurant, or cafeteria (alcoholic beverages when incidental to food sales, with all services completely enclosed)		CC ³	X
Candy, nut and confectionery store	X	X	X
Camera and photographic store	X	X	X
Can manufacture	X	X	CC
Candle manufacture	X	X	CC
Candy manufacture	X	X	CC
Canvas products manufacture	X	X	CCX
Carnival or circus, etc.			
Carting, express, crating, hauling and storage	X	X	CC
Car wash, automatic	X	X	CC
Catering shop	X	X	X
Caustic soda manufacture		CC	
Celluloid manufacture		CC	
Cement, lime, gypsum and plaster manufacture	CC(R)	CC(R)	
Chemical manufacturing and/or processing	CC(R)	CC(R)	
Churches			X
Clinics, dental or medical	CC	CC	X
Clothing manufacture	CC	CC	X
Club or lodge			X
Coffee roasting	X	X	X
Cold storage plant	X	X	CCX
College fraternity or sorority house			X

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Contractors (completely enclosed, no outside storage)	X	X	X
Contractors (outside storage)	X	X	CC
Concrete products manufacturing	X	X	CC
Correction, detention or penal institution			X
Cosmetics (compounded only)	X	X	X
Cotton compress	X	X	X
Cotton ginning and baling	X	X	X
Creamery	X	X	CC
Creosote treatment or manufacture	CC(R)	CC(R)	
Crop dusting service (flying)			
Dairy equipment sales (wholesale, completely enclosed in B-3)	X	X	X
Dairy products sales (retail)	X	X	X
Dairy products sales (wholesale)	X	X	X
Dance hall			X
Delicatessen	X ²	X ²	X
Department store			X
Detergents, soaps, and by-products manufacture using animal fats	CC(R)	CC(R)	
Disinfectant, insecticides or poison manufacture		CC(R)	
Dog pound or animal shelter (nongovernmental)	X	X	CC
Drug manufacture	X	X	CC
Drug sales (wholesale)	X	X	X
Drug store	X ⁴	X ⁴	X
Dry cleaning	CC	CC	CC
Dry cleaning with less than 6 employees	X	X	CC
Dry cleaning pickup and pressing shops	X	X	X
Dry goods store	X	X	X
Dry goods (wholesale, completely enclosed in B-3)	X	X	X
Dwelling (one-family)		X	X
Dwelling (one-family attached in PUD only)		X	X
Dwelling (two-family)			X
Dwelling (two-family attached in PUD only)			X
Dwelling (multiple-family)			X
Dwelling (three-family)			X
Dwelling (four-family)			X
Dye manufacture			
Electric power generator station (primary station)			X
Electric repair, appliances (completely enclosed)	X	X	CC
Electric repair shop (heavy equipment)	X	X	CC
Electrical substations (to be enclosed by a fence or wall, minimum 6' in height, with physical installation being enclosed by a barrier which constitutes a visual screen; visual screening would not be required in I-1 and I-2 districts)		CC(R)	X

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Electroplating	CC	CC	
Elevator maintenance and service	X	X	X
Exterminators (completely enclosed in B-3)	CC	CC	CC
Fair grounds, baseball park, and stadium			CC-X
Farm equipment sales and service (completely enclosed in B-3)	X	X	CC
Farm supplies	X	X	X
Farming and truck gardening, but not for retail sales, (permitted in any district on tracts of 5 acres or more when such farming operation excludes any livestock)	X	X	CC
Feed store or seed and fertilizer	X	X	X
Felt manufacture (cloth)	X	X	CC-X
Felt manufacture (roofing)	X	X	
Fertilizer manufacture or processing	CC(R)	CC(R)	
Fish market (wholesale)	X	X	CC
Fish market (retail)	X	X	X
Fix-it shop (fenced outside storage)	X	X	X
Fix-it shop (completely enclosed)	X	X	X
Floor covering sales (wholesale—completely enclosed)	X	X	X
Floral shop (completely enclosed)	X	X	X
Floral shop	X	X	X
Florist (wholesale, completely enclosed in B-3)	X	X	X
Food-to-go (retail, no curb service)	X ³	X ³	X
Food locker plant (retail)	X	X	CC
Food products manufacture and processing (not rendering)	CC	CC	CC
Food products (wholesale storage and sales)	X	X	X
Food store	CC	CC	X
Foundry	CC	CC	
Fraternal clubs or lodges (No on-premises sale and/or consumption of alcoholic beverages permitted in O-1 through B-2 districts)			X
Freight depot (railroad and/or truck)	X	X	X
Fruit and produce (wholesale)	X	X	X
Fruit and vegetable stand or store	X	X	X
Funeral home, mortuary or undertaking establishment			X
Fungicides manufacture	CC(R)	CC(R)	
Fur dying, finishing and storing (no tanning, no hide storage)	X	X	CC
Furniture upholstery (completely enclosed with no outside storage)	X	X	X
Furniture repair and upholstery (fenced outside storage)	X	X	CC
Furniture repair and upholstery (completely enclosed)	X	X	CC
Furniture (wholesale sales)	X	X	X

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Appendix

PERMITTED USES	MAOD-1	MAOD-2	ERZD
Furniture store retail (fenced outside storage)	CC	X	X
Furniture store retail (completely enclosed, no repair)	CC	X	X
Garage, public or storage	X	X	CC
Garden specialty store	X	X	CC X
Gas regulation station (screening)	CC(R)	CC(R)	X
Gasoline filling station and/or service (all repairs in B-3 district to be completely enclosed)	CC	X	CC
Gift shop (completely enclosed)	X	X	X
Glass, retail sales (service incidental to sales, completely enclosed)	X	X	X
Glass (wholesale sales)	X	X	X
Glass manufacturing and glass products manufacturing	CC	CC	CC
Glue, size or gelatin manufacture	X(R)	X(R)	
Golf driving range, pitch-and-putt or miniature golf course	X ⁵	X ⁵	X
Golf course and country club, but not driving range, pitch-and-putt, or miniature golf	X ⁵ (R)	X ⁵ (R)	X
Grain, drying or feed manufacture from refuse, mash or grain	X	X	CC
Grain milling storage and elevators	X	X	X
Graphite manufacture	X	X	
Greenhouse or nursery, for growing but not for retail sales	X	X	X
Greenhouse or nursery	X	X	X
Grocery store	CC	CC	X
Grocery (wholesale)	X	X	X
Gymnasium (commercial)			X
Hair products manufacturing and processing	X	X	CC
Hardware manufacture	X	X	CC
Hardware store	X	X	X
Hardware sales (wholesale)	X	X	X
Hatchery	X	X	CC
Heliport			X
Hobby supply store	X	X	X
Home occupation		X	X
Hosiery manufacture	X	X	CC
Hospital or sanitarium			CC
Hotel			X
Ice house (no on-premises consumption of alcoholic beverages in B-2, convenience)	X	X	X
Ice manufacture	X	X	X
Ice cream manufacture (wholesale)	X	X	CC
Ice cream and ice milk (retail)	X	X	X
Ice cream store			X

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Incinerator			
Insulation manufacture and fabrication	CC	CC	
Interior decorating studio	X	X	X
Jewelry store	X	X	X
Junkyard or salvage yard (other requirements: Chapter 20 of this Code).	CC(R)	CC(R)	
Laboratory (dental or medical)	X	X	CC
Laboratory (research)	CC	CC	CC
Laboratory (testing)	CC	CC	CC
Laundry	CC	CC	CC
Laundry with less than 6 employees	X	X	CC
Laundry or dry cleaning (pickup station)	X	X	X
Laundry and dry cleaning (self-service)	X	X	CC
Leather goods or luggage store	X	X	X
Libraries (nongovernmental)	CC	CC	X
Linen supply, diaper service or uniform supply	X	X	CC
Linoleum, vinyl, plastics, rubber, asphalt or composition tile manufacture	CC(R)	CC(R)	
Loan office	X	X	X
Locksmith	X	X	X
Lumberyard and building materials (retail)	X ⁶	X ⁶	X
Lumberyard and building materials (wholesale)	X	X	X
Machine shop	X	X	CC
Machine, tools and construction equipment sales and service	X	X	CC
Marine sales	X	X	CC
Marine and boat manufacturing	X	X	CC
Marine and boat storage	X	X	X CC
Matches manufacturing			
Mattress manufacturing and rebuilding	X	X	X
Metal ingots, pigs, casting sheets or bearings, forging or rolling mills	CC	CC	
Metal products fabrication	X	X	CC
Milliner (custom)	X	X	X
Millinery manufacture	CC	CC	X
Millwork and similar wood products manufacture	X	X	CC
Miniwarehouse (allowed in B-3 by adherence to conditions enumerated in the zoning ordinance, § 42-45.7, processed by the board of adjustment)	X	X	X
Mobile home residence parks (must have a water and sewer connection for each mobile home unit)			CC
Motel			X
Motorcycle sales and service (completely enclosed in B-3)	X	X	CC

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PERMITTED USES	MAOD-1	MAOD-2	ERZD
Moving and transfer company	X	X	X
Music store	X	X	X
Name plate, not exceeding one square foot in area and not illuminated (attached to building)	X	X	X
Newsstand	X	X	X
Novelty and souvenir manufacture	X	X	CC
Nursery day care, or kindergarten (care of up to 20 children)			X
Nursery day care, or kindergarten			X
Nursing home (private)			X
Offices (only)	CC	CC	X
Office equipment and furniture manufacture	X	X	CC
Office equipment and supplies (retail)	X	X	X
Office equipment and supplies (wholesale, completely enclosed in B-3)	X	X	X
Oils and fats manufacture (animal and vegetable)	CC(R)	CC(R)	
Oil well supplies and machinery manufacture	X	X	CC
Oil well supplies and machinery sales	X	X	CC
Optical goods (retail)	X	X	X
Optical goods (wholesale, completely enclosed in B-3)	X	X	X
Optician	X	X	X
Optometry office			X
Packing plant (no rendering)	X	X	
Packing and gasket manufacture	X	X	CC
Paints, pigments, enamels, japans, lacquers, putties, varnishes, and wood fillers manufacture and processing	CC	CC	
Paint and wallpaper store	X	X	X
Paper products manufacture	X	X	CC
Paper, pulp, cellulose, and rayon manufacture	CC(R)	CC(R)	
Paper supplies (wholesale)	X	X	X
Passenger depot (railroad or bus)			X
Pawn shop (completely enclosed in B-3)	X	X	X
Pecan shelling (carbon black processing)	X(R)	X(R)	CC
Pecan shelling	X	X	X
Personal services and limited retail	X ⁷	X ⁷	X
Pet shop (completely enclosed)	X	X	CC
Petroleum manufacturing or processing			
Petroleum storage (wholesale)			
Photographic equipment and supplies sales (retail)	X	X	X
Photographic equipment and supplies sale (wholesale, completely enclosed in B-3)	X	X	CC

*Added
Paint and Wall paper store
with outside storage
CC on ERZD*

PERMITTED USES	MAOD-1	MAOD-2	ERZD
Photographic studio	X	X	CC
Pickle manufacture	X	X	CC
Picture framing	X	X	X
Pipe lines and electrical transmission lines	X(R)	X(R)	CC
Pipe storage	X	X	X
Planing mill	X	X	CC
Plant nursery	X	X	CC-X
Plastics manufacture	CC(R)	CC(R)	
Playground equipment manufacture	X	X	CC
Plumbing fixture sales, (completely enclosed, retail)	X	X	X
Plumbing fixture sales (wholesale)	X	X	X
Post office	CC	CC	X
Poultry flock (as cage hen operation)			CC
Poultry processing and live poultry storage	X	X	
Poultry processing and live poultry storage (completely enclosed)	X	X	
Printers	X	X	CC
Private club			X
Pyroxylin manufacture (explosive)			
Radio station, with transmitter tower			X
Radio station or studio, without transmitter tower	X	X	X
Reading room			X
Recreation facility, neighborhood. No sale of alcoholic beverages is permitted in the R-3 through the B-2 districts.			X
Reducing salon	X	X	X
Refrigeration equipment manufacture	X	X	CC
Rendering plant	X(R)	X(R)	
Riding stable or academy	X ^s	X ^s	
Rooming house or boardinghouse			X
Rubber, gutta-percha manufacture, processing or reclaiming	CC(R)	(CC)(R)	
Rug and/or carpet sales	X	X	X
Rug cleaning	X	X	CC
Rug cleaning (completely enclosed)	X	X	CC
Sand or gravel storage yard	X	X	X
Sauerkraut manufacture	X	X	CC
Schools, elementary			X
Schools, secondary			X
Shoe manufacture	X	X	CC
Shoe polish manufacture	X	X	CC
Shoe repair shop	X	X	X
Shoe sales (retail)	X	X	X
Shoe sales (wholesale, completely enclosed in B-3)	X	X	X

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1012.44.8

PERMITTED USES	MAOD-1	MAOD-2	ERZD
Sign, advertising (excluding business signs)	X	X	X
Sign shop (completely enclosed)	X	X	CC
Sign shop	X	X	CC
Skating rinks			X
Skating rinks (completely enclosed)			X
Small animal clinic or kennels	X	X	CC
Small animal clinic or kennels (completely enclosed)	X	X	CC
Soda and washing compound manufacture	X	X	
Sporting goods store	X	X	X
Sporting goods (wholesale, completely enclosed in B-3)	X	X	X
Stamp, coin sales (retail)	X	X	X
Stationery sales	X	X	X
Stock yard	CC(R)	CC(R)	
Stone cutting or monument manufacture	X	X	CC
Stone monument sales	X	X	X
Stone quarry and gravel pits	X(R)	X(R)	CC
Studio for professional work or teaching of any form of fine arts, photography, music, drama, dance, painting, etc.	CC	CC	X
Sugars and starches manufacture	X	X	CC
Surgical or dental supplies store	X	X	X
Surgical or dental supplies (wholesale, completely enclosed in B-3)	X	X	X
Syrup manufacture	X	X	CC
Tailor shop	X	X	X
Tamale and tortilla manufacture (retail)	X	X	X
Tamale and tortilla manufacture (wholesale)	X	X	X
Tannery	CC(R)	CC(R)	
Tar distillation and/or manufacture	CC(R)	CC(R)	
Tavern	CC ³	CC ³	X
Taxidermist	X	X	CC
Telephone company business office or switching center	CC(R)	CC(R)	X
Telephone or utility company service center	CC(R)	CC(R)	X
Television stations, with transmitting tower			X
Television station or studio without transmitter tower			X
Textile manufacture	X	X	CC
Theater (indoor)			X
Theater (outdoor, including drive-in theater)			X
Tile manufacturer (ceramic)	X	X	CC
Tile roofing and waterproofing manufacture	X	X	CC
Tobacco processing	X	X	CC
Tobacco store	X	X	X

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1012.44.9

*add new zoning
waterproofing manufacture*

*(50' →
NOX + NO CC
in ERZD)*

add

PERMITTED USES	MAOD-1	MAOD-2	ERZD
Tool manufacture	X	X	CC
Tool rental (completely enclosed)	X	X	X
Tool rental (fenced outside storage)	X	X	X CC
Tourist home			X
Town house (see section 42-68.1)			X
Toy manufacture	X	X	CC
Toy store	X	X	X
Trade school (commercial)	CC	CC	X CC
Trailer courts, must have a water and sewer connection for each trailer unit			CC
Trailer manufacture	X	X	CC
Trailer sales	X	X	X
Transit vehicle storage and servicing	X	X	CC
Trophy sales (retail sales; limited to engraving and assembly in B-1)	X	X	X
Truck laundry	X	X	CC
Truck repair and maintenance	X	X	CC
University or college			CC
Variety store	CC	CC	X
Venetian blind and metal awning fabrication, repair and cleaning	X	X	X
Veterinarian (animals on premises)	X	X	CC
Vinegar manufacture	X	X	
Vulcanizing shop, recapping	X	X	CC
Warehousing (completely enclosed)	X	X	X
Watch repair	X	X	X
Water distillation	X	X	X
Water storage (overhead)	CC(R)	CC(R)	X
Water or sewage pumping station (nongovernmental)	CC(R)	CC(R)	CC
Welding shop	X	X	CC
Well drilling contractors	X	X	CC
Warehousing	X	X	X
Wire products manufacturing	X	X	CC
Wood processing by creosoting or other preserving treatment manufacture	X	X	
Wool pulling and scouring	X	X	CC

Add water proofing manufacture (no X) (ERZD)

- X Designates permitted use.
- CC Designates city council approval required.
- R Refer to same use in section 42-80.
- 1 Does not exclude an auditorium which is a proper ancillary use to a permitted use.
- 2 No eating on premises inside building.
- 3 Building area not to exceed 3,000 square feet of floor space.
- 4 No eating on premises.
- 5 Excluding country club.
- 6 Not including building specialty store.
- 7 PUD's only.
- 8 Excluding academy.

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1012.44.10

TESTIMONY BY
ERNESTO ANCIRA
Recharge Area Zoning Commission
City Council
October 2, 1975

MAYOR COCKRELL AND MEMBERS OF THE CITY COUNCIL, MY NAME IS ERNESTO ANCIRA. I AM VICE-CHAIRMAN OF THE ENVIRONMENTAL COMMITTEE OF THE GREATER SAN ANTONIO CHAMBER OF COMMERCE -- AN ORGANIZATION REPRESENTING MORE THAN 3000 BUSINESS AND PROFESSIONAL PEOPLE. ONE OF OUR BASIC CONTINUING OBJECTIVES IS TO FOSTER THE ECONOMIC GROWTH OF THE SAN ANTONIO AREA. THIS CONCERN IS WHAT BRINGS US TO THIS HEARING.

AS YOU KNOW, THERE IS A WIDE DIVERSITY OF OPINION CONCERNING DEVELOPMENT IN THE RECHARGE AREA. MANY INDIVIDUALS AND ORGANIZATIONS WANT ALL DEVELOPMENT IN THE RECHARGE AREA STOPPED. THERE IS AN OPPOSITE EXTREME WHO FAVOR NO LIMITATION OF DEVELOPMENT IN THE RECHARGE AREA. OTHERS HAVE SOME RESERVATIONS ABOUT DEVELOPMENT, BUT HAVE ACCEPTED THE CONCEPT OF CAREFULLY CONTROLLED DEVELOPMENT.

THE AACOG EDWARDS TASK FORCE INCORPORATED MOST OF THE OPPOSING VIEWPOINTS AS WELL AS MOST OF THE RESIDENT EXPERTS ON THE EDWARDS AQUIFER. THEIR OBJECTIVE WAS TO DESIGN A PROTECTIVE ORDER TO SET OUT HOW DEVELOPMENT COULD TAKE PLACE IN THE RECHARGE AREA AND MINIMIZE THE RISK OF POLLUTION OF THE EDWARDS AQUIFER. THE RESULT OF RECOMMENDATIONS FROM THAT EDWARDS TASK FORCE WAS TEXAS WATER QUALITY BOARD ORDER #75-0128-20, COMMONLY KNOWN AS THE EDWARDS ORDER.

THE CHAMBER HAS TAKEN WHAT WE FEEL IS A SAFE BALANCE AMONG ECONOMIC, ENVIRONMENTAL AND LEGAL CONSIDERATIONS. LAST MAY, OUR BOARD OF DIRECTORS ENDORSED A POLICY POSITION STATING THAT WE FELT THE EDWARDS ORDER WAS STRINGENT ENOUGH TO PROTECT THE EDWARDS AQUIFER IF IT WERE STRICTLY ENFORCED.

BEFORE THE ENVIRONMENTAL PROTECTION AGENCY HEARING IN JUNE, THE EDWARDS UNDERGROUND WATER DISTRICT, THE CITY OF SAN ANTONIO AND BEXAR COUNTY ADOPTED SIMILAR POLICY RESOLUTIONS.

SINCE THE EPA HEARING THERE HAS BEEN A STEADY EFFORT BY SOME ORGANIZATIONS TO CONVINCING THE CITY OF SAN ANTONIO TO ADOPT MORE CUMBERSOME, IF NOT MORE RESTRICTIVE REGULATIONS ON THE PORTION OF THE RECHARGE AREA WITHIN THE CITY'S CONTROL. WE BELIEVE THAT THE CONDITIONS OF THE EDWARDS ORDER WILL PRECLUDE POTENTIALLY DANGEROUS DEVELOPMENT AND VIEW FURTHER REGULATION AS AN UNNECESSARY BURDEN ON GOVERNMENT AND ECONOMIC DEVELOPMENT.

RELIABLE STUDIES OF THE EDWARDS AQUIFER INDICATE THAT WATER ENTERING THE RECHARGE ZONE IN BEXAR COUNTY IS CARRIED NORTHEAST OF THE SAN ANTONIO AREA AND FLOWS OUT OF SAN MARCOS SPRINGS. REGARDLESS OF WHERE THE WATER GOES, ONLY SEVEN-TENTHS OF ONE PERCENT OF ALL THE LAND IN THE RECHARGE ZONE IS IN THE SAN ANTONIO CITY LIMITS AND THEREFORE SUBJECT TO ZONING. THESE TWO FACTS ARE STATED IN THE FINAL REPORT OF THE CITY'S TASK FORCE FOR DEVELOPMENT POLICIES OVER THE EDWARDS RECHARGE ZONE. PRELIMINARY DATA FROM A U.S.G.S. STUDY OF FIRST FLUSH STORM WATER RUN-OFF HAS GIVEN SOME INTERESTING INDICATIONS. *Ecological Service* POLLUTION FROM STORM WATER RUN-OFF DEFINITELY INCREASES WHEN A STREAM PASSES THROUGH A DENSELY DEVELOPED AREA. HOWEVER, SAMPLES FROM SUCH STREAMS IN NORTH SAN ANTONIO ~~WERE~~ STILL EXCEEDED SAFE DRINKING WATER STANDARDS. ALTHOUGH THIS STUDY HAS BEEN GOING ON FOR SEVERAL YEARS, IT IS NOT COMPLETE AND THESE ARE ONLY PRELIMINARY INDICATIONS. IT IS RECOGNIZED THAT STORM WATER RUN-OFF IS A SERIOUS POLLUTION PROBLEM IN SOME AREAS, BUT THERE IS NOT INDICATION THAT IT WILL BE HERE.

IF POLLUTION ENTERING THE EDWARDS AQUIFER IN THE RECHARGE ZONE IN BEXAR COUNTY DOES NOT AFFECT SAN ANTONIO WATER AND IF THERE IS A POSSIBILITY THAT STORM WATER RUN-OFF DOES NOT CONTAIN POLLUTION IN HARMFUL LEVELS, IS IT NECESSARY THAT SAN ANTONIO PASS AN ORDINANCE TO FURTHER REGULATE DEVELOPMENT OF THE NORTHERN SECTOR OF SAN ANTONIO?

I WANT TO ASSURE YOU THAT THE CHAMBER IS VITALLY CONCERNED ABOUT OUR CITY'S WATER SUPPLY AS WELL AS OTHER FACTORS THAT AFFECT OUR QUALITY OF LIFE; HOWEVER WE SEE NO CONCRETE EVIDENCE THAT STRICT ENFORCEMENT OF THE EDWARDS ORDER WILL NOT PROTECT THE EDWARDS AQUIFER. WHEN AND IF SUCH EVIDENCE IS PRESENTED, WE WILL BE GLAD TO RE-EVALUATE OUR POLICY. IN THE MEANTIME WE URGE THE COUNCIL TO RESIST THE PRESSURE TO INCREASE GOVERNMENTAL REGULATIONS UNLESS INDISPUTABLE SCIENTIFIC PROOF IS PRESENTED THAT SUCH REGULATION IS NECESSARY. WHY INCREASE THE BARRIERS TO DEVELOPMENT IN AN AREA OF THE CITY THAT CAN BE DEVELOPED UNDER EXISTING REASONABLE REGULATIONS?

Let me mention that already existing developments such as UTSA and med center would be virtually stopped if auxiliary development such as housing for students and other facilities offering first need commodities are not allowed to develop.

TEXAS WATER QUALITY BOARD
P. O. Box 13246, Capitol Station
Austin, Texas 78711

ORDER NO. 75-0128-20

AN ORDER of the Texas Water Quality Board promulgating regulations for the protection of the quality of the water in the Edwards Underground Reservoir; establishing a Recharge Zone in portions of Kinney, Uvalde, Medina, Kendall, Bexar, Comal and Hays Counties to which regulations set forth in this Order for control of private sewage disposal systems, organized waste disposal systems, confined animal feeding operations and industrial sanitary landfills are applied; and designating certain local governmental entities as the agents of the Board to perform administrative functions relating to rules and regulations set forth herein.

PREAMBLE

The Edwards Underground Reservoir consists of a waterbearing geological formation of Edwards and associated limestones. Although the formation occurs in a number of areas throughout Texas and Mexico, the particular reservoir with which this Order concerns itself is hydrologically independent and most commonly referred to as the Edwards Underground Reservoir. It trends from west to east to northeast through Kinney, Uvalde, Medina, Bexar, Comal and Hays Counties, respectively. Water divides in Kinney and Hays Counties provide the hydrological independence at its extremities. Its upper and lower areas are sided by relatively impermeable formations. The Reservoir provides water for over 1,000,000 people and is a major source of municipal water supply for the City of San Antonio and other cities within its geological area. It is presently of exceptionally good quality and relatively free of pollution.

Practically all of the water which enters the Reservoir enters where the limestone formation appears at the surface. The surface exposure is referred to as the "outcrop" or "recharge" area. (An "outcrop" covered by a small amount of earth or soil is still an outcrop in the geologic sense.) The formation is generally

porous and is riddled with fractures, caverns and solution channels. It is this characteristic which provides the existence of the reservoir, although at the outcrop it also provides an access for wastes to contaminate the reservoir. This Order has therefore been promulgated in accordance with Chapter 21 of the Texas Water Code in order to control activities which are located on the recharge area and which, if left uncontrolled, could cause pollutants to enter the Edwards Underground Reservoir.

Public hearings have been held to receive evidence relative to the adoption of water pollution control regulations, and the Texas Water Quality Board has considered the evidence received at these hearings and finds that this Order is required to prevent pollution and to prevent injury to the public health. This Order is restricted to dealing with water pollution and public health matters and does not intend to directly regulate land uses. This Order has been entered following consultation with and has the concurrence of the Commissioner of Health of the Texas State Department of Health. Now, therefore,

BE IT ORDERED BY THE TEXAS WATER QUALITY BOARD:

I. Definitions

- A. "Executive Director" means the Executive Director of the Texas Water Quality Board.
- B. "Board" means the Texas Water Quality Board.
- C. "Licensing Authority" means the local agent of the Board designated in Article XIII as responsible for administering those duties specifically enumerated in this Order.
- D. "Organized Disposal System" means any system, whether publicly or privately owned, for the collection, treatment, and disposal of sewage. For the purposes of this Order, such systems must be operated in accordance with the terms and conditions of a permit issued by the Texas Water Quality Board.
- E. "Private Sewage Facilities" means septic tanks, pit privies, cesspools, sewage holding tanks, injection wells used to dispose of sewage, chemical toilets, treatment tanks and all other facilities, systems, and methods used for the disposal of sewage other than disposal systems operated under a permit issued by the Board.
- F. "Septic Tank" means a watertight tank which serves as

a sedimentation and a sludge digestion chamber and which is placed between the house sewer and the soil absorption field.

- G. "Septic Tank System" means a system of disposing of sewage through soil absorption and consisting of a house sewer, a septic tank, and a soil absorption field. (For purposes of this Order, an approved waste treatment device, generally taking the place of a septic tank in a septic tank system, shall be construed as a septic tank system.) Waste treatment devices, of the kind generally intended to serve an individual family or other enterprise where a septic tank might ordinarily be installed, must be of a type or design approved by the Texas State Department of Health.
- H. "Sewage" means waterborne human or animal wastes from residences, buildings, industrial establishments, cities, towns or other places together with groundwater infiltration and surface water with which it is commingled.
- I. "Waste" means sewage, industrial waste, municipal waste, recreational waste, agricultural waste, and other wastes, as defined in the Texas Water Code.
- J. "Edwards Underground Reservoir" for the purpose of this Order means that portion of an arcuate belt of porous waterbearing limestones composed of the Comanche Peak, Edwards, and Georgetown Formations trending from west to east to northeast through Kinney, Uvalde, Medina, Bexar, Comal and Hays Counties, respectively. There are other waterbearing Edwards and associated limestone formations in the State; however, they are neither hydrologically connected with the formation identified above nor intended to be affected by this Order.
- K. "Subdivision" may be identified as any division of a tract of land into two or more parcels, any one of which parcel is five (5) acres or less.
- L. "Sanitary Landfill" means a controlled area of land upon which solid waste is disposed of in accordance with standards, regulations, or orders established by the Texas State Department of Health or the Texas Water Quality Board.
- M. "Industrial Solid Waste" means solid waste resulting from or incidental to any process of industry or manufacturing, or mining or agricultural operations, including discarded or unwanted solid materials suspended or transported in liquids and discarded or unwanted materials in liquid or semiliquid form.

- N. "Municipal Solid Waste" means solid waste resulting from or incidental to municipal, community, trade, business and recreational activities, including garbage, rubbish, ashes, street cleanings, dead animals, abandoned automobiles and all other solid waste other than industrial solid waste.
- O. "Recharge Zone" is identified as that area where the Edwards and associated limestones crop out in Kinney, Uvalde, Medina, Bexar, Comal and Hays Counties, plus that area within the one-hundred-year flood plain of Cibolo Creek where it begins at Herff Falls in Kendall County and downstream to the Edwards and associated limestones outcrop, as well as other formations which because of their proximity to surface exposures of the Edwards and associated limestones, poses an imminent threat to the quality of the waters of the Edwards Underground Reservoir, as delineated on the maps in the offices of the Texas Water Quality Board. (The Cibolo Creek flood plain has been included as a part of the Recharge Zone based on studies which show that, although this area consists of the Glen Rose geological formation, it contributes by perched water a very substantial portion of recharge to the Edwards Underground Reservoir.) When it is difficult to determine from the maps whether a particular area lies within the Recharge Zone or not, the licensing authority shall make the determination, based upon a geological inspection of the grounds. Attached to this Order are highway maps generally outlining the Recharge Zone, which should not be construed to be as accurate as the "official" maps in the offices of the Texas Water Quality Board.
- P. "Private Service Laterals" are those portions of an organized sewage collection system which are situated upon individual privately owned property.
- Q. "Guide" means the most current edition of A Guide to the Disposal of Household Sewage, as promulgated by the Texas State Department of Health. (The Texas Water Quality Board and the Texas State Department of Health concur that the Guide should be construed in the light of experience and sound judgment and an overly literal interpretation of the Guide should be avoided.)
- R. "Urban" is identified as an area having fifty (50) or more platted lots or fifty (50) single family equivalents as defined in Article V, Section E of this Order, or any

combination of platted lots and single family equivalents equal to the above, within a radius of 1320 lineal feet.

- S. "Stub Out" is that portion of an organized sewage collection system which extends from the main collection line beyond the street pavement and which will eventually tie in with the private service lateral on privately owned property.

II. Methods of Authorization

All waste disposal with which this Order is concerned and is within the area designated as the Recharge Zone shall be in accordance with one of the following types of authorizations:

- A. Waste discharges in accordance with the provisions of a valid permit, waste control order or certificate of registration issued by the Board. Materials capable of entering the Edwards Underground Reservoir through the Recharge Zone so as to cause pollution may be controlled by a permit, so long as the activity may be considered a discharge under the legal definition of the term as found in the Water Quality Act.
1. It is the policy of the Board not to authorize industrial sanitary landfills or confined animal feeding operations in the Recharge Zone. Any person wishing to propose either of these activities may petition the Board for the right to file an application. The Board, after a public hearing, will make a determination as to whether or not to receive the application. Should the Board's determination be to receive the application, the application will be considered by the Board on a fair but rigorous basis. The Board will not receive an application unless it feels that in its judgment there is any merit in its consideration.
 2. Municipal sanitary landfill operations are created and operated under the rules and regulations of the Texas State Department of Health. The Texas State Department of Health, as a part of the review of this Order by the Commissioner of Health, states that it is not the Texas State Department

of Health's intention to authorize any municipal sanitary landfill, unless there is a showing that pollutants therefrom will not enter the Edwards Underground Reservoir so as to cause significant pollution.

- B. Waste discharged into a private sewage facility licensed in accordance with the regulations contained in this Order.
- C. Waste discharged into a private sewage facility registered in accordance with the regulations contained in this Order.
- D. Waste discharges exempt from the terms of this Order.

III. Waste Collection, Treatment and Disposal Systems

- A. All treated waste effluent shall be transported from the Recharge Zone whenever the Board finds that diversion is feasible from an engineering and economic standpoint or when the Board finds it necessary in order to protect the Edwards Underground Reservoir from pollution. The Board may also require that the sewage treatment plant not be located on the Recharge Zone if it is found that its removal is also necessary in order to protect the Edwards Underground Reservoir from pollution.
- B. Waste collection, treatment and disposal systems to be located within the Recharge Zone shall conform to the following criteria when applicable:
 - 1. Review requirements of the sewage collection, treatment and disposal systems shall be in accordance with the most current design criteria of the Texas State Department of Health and the Board, in addition to the following applicable requirements of Article III, Section B of this Order; and when not in conflict with the above, the most current standard specifications for public works construction as utilized by the City of San Antonio Department of Public Works shall apply.
 - 2. Plans and specifications of the sewage collection, treatment and disposal systems shall be approved by either the Texas State Department of Health or the Board prior to construction.

3. Manholes shall be constructed so that flows between manholes can be readily determined. Flow measurement devices with an automatic daily flow recording chart shall be installed at Texas Water Quality Board selected Recharge Zone terminal points of the collection system serving the Recharge Zone. Copies of the daily flow chart shall be submitted weekly to the Texas Water Quality Board.
4. Upon completion of any waste disposal facility which is part of an organized sewage disposal system, a Registered Professional Engineer shall submit signed and sealed as-built plans of the waste disposal facility and collection system to the appropriate state agency and the licensing authority.
5. Standby electrical power facilities capable of providing sufficient power to operate the waste treatment plant and appurtenant equipment in the event of normal electric power failure shall be equipped with automatic or remote control starting features. Multiple alternate power supplies may be acceptable under this paragraph.
6. A remote control monitoring system shall be installed to warn against equipment or power failure. The monitoring system shall be connected from the plant site to an approved control location.
7. Waste treatment plant owners shall install holding ponds having imperviously lined sides and bottoms which can be filled by gravity flow and which have a capacity sufficient to store the amount of input which would come into the plant during a 24-hour period with provision for recycling through the plant or other proper disposal.
8. Spare parts for critical treatment equipment shall be provided for the use of the maintaining agency. The minimum inventory of required spare parts will be designated by the Board on the basis of individual plant requirements.
9. Sewage treatment plant capacity shall be based on not less than a minimum designed flow of 100 gallons per person per day and a population equivalent of four persons per dwelling unit or equivalent unless the consulting engineer can justify,

upon approval of the Executive Director, a different figure.

10. Effluent standards for sewage treatment plants discharging on the Recharge Zone are established as follows:
 - a. The monthly average for the five-day Biochemical Oxygen Demand shall not exceed 5.0 mg/l and the seven-day average for the five-day Biochemical Oxygen Demand shall not exceed 10 mg/l.
 - b. The monthly average for Total Suspended Solids shall not exceed 5.0 mg/l and the seven-day average of Total Suspended Solids shall not exceed 10 mg/l.
 - c. Chlorine residual shall be not less than 5.0 mg/l following a 60-minute detention time based on peak flow.
 - d. The monthly average for phosphate expressed as phosphorus shall not exceed 2.0 mg/l.
 - e. Dissolved oxygen shall be not less than 5.0 mg/l.
11. Public health hazards will normally not occur from the concentration of nitrogen and nitrogen compounds normally found in the effluents of conventional sewage treatment plants. Therefore, since there is not adequate plant scale operating experience available in this area of technology, the Board does not propose requiring a process to remove it. The Board encourages sewage treatment plant processes which intrinsically minimize the concentration of nitrogen in its effluent and may require nitrogen removal should future studies indicate the need. (It should be noted that the high degree of treatment required by this Order will provide a very good level of nitrogen removal.)
12. Sewage treatment plants shall be designed so that they may be modified in order to provide for additional processes which the Board may find necessary at a future date.
13. Sewage treatment plant campuses shall be of sufficient size to provide additional capacity or additional techniques of treatment if and when necessary.

14. Regionalization of organized systems shall be rigorously enforced.
15. The construction of sewage collection lines shall comply with the following:
 - a. Holes for service lines and other lines shall be cut, not broken.
 - b. The service connection will be made with the use of a Board approved manufactured saddle of proper dimension centered over the cut opening.
 - c. Where the sewer main is twelve (12) inches in diameter or smaller, a concrete encasement with a minimum thickness of five inches shall completely encircle the main at the connection. The minimum width of the concrete encasement shall be two feet, centered at the point of connection.
 - d. Where an existing main is larger than twelve (12) inches in diameter, as an alternative to concrete encasement, the connection may be made by using a concrete bonding epoxy or bonding agent of approved quality. Following the epoxy bond, a cement mortar composed of two parts sand to one part cement should be applied around the connection point, completely encircling the joint. The cement mortar band shall have a minimum thickness of three inches around the joint and shall extend up the side walls of the house connection joint and the sewer main for five inches.
 - e. The angle of connection into an existing sewer main for an individual house connection shall not be more acute than 45°.
 - f. All sewer pipes shall have compression or mechanical type joints.
 - g. The sewer system, including stub outs, shall be tested under the supervision of a Registered Professional Engineer at the time of installation and shall be certified by him to meet or exceed the requirements of the latest revision of the City of San Antonio "Standard Specifications for Public Works Construction" Item 518, or its equivalent, relative to establishing a minimum infiltration/exfiltration rate.

- h. Whenever Y's or T's are designed in the approved plans, they shall be manufactured Y's or T's.
- i. Blasting for sewer line excavation must be done in such a manner as to minimize the fracturing of rock beyond the required excavation.
- j. Materials used in the construction of the sewer system lines shall be approved at the time of review of the plans and specifications.
- k. Pipe and joint assemblies for laterals shall be designed for the maximum working pressure which can be placed on the pipe, plus a factor of safety.
- l. Pipe and joint assemblies for laterals shall be designed to have a crushing capacity in excess of that which can be expected to be experienced, plus a factor of safety.
- m. Pipe and joint materials in both laterals and mains shall be resistant to decomposition from chemicals in domestic sewage or other materials which it may be called upon to transport.
- n. All pipe shall be embedded in materials giving adequate protection to the pipe from other back-fill material.
- o. The results of an infiltration/exfiltration test, the type of which to be approved by the Executive Director, shall be biennially reported to the Board and the tests certified by a Registered Professional Engineer as having been correctly performed.
- p. To the maximum extent feasible, the sewer mains shall be located so that no manhole falls within a street or drainage channel and shall be constructed so that the top of the ring is at least two (2) inches above the finished grade of the surrounding ground. This shall be done in order to avoid locating the manhole in an area which is regularly flooded.
- q. Manholes for new construction shall be monolithic, cast in place. Repair or replacement work shall be done as approved by the repairing engineer.
- r. Manholes, including rings and covers, shall be constructed so that they are watertight.
- s. Lift stations shall be provided with standby

emergency power similar to that required for treatment plants.

- t. All connections shall be constructed with compression or mechanical joints.
- u. Any caverns or solution channels encountered during construction shall be reported to the Texas Water Quality Board District Office No. 8 with a request for approval of construction design when the pipe, due to its structural integrity, is not sufficient to bridge the gap.
- v. All "stub outs" for future connections shall be installed and tested as outlined in Article III, Section B, Subsection 15, paragraph g. of this Order as part of main construction. "Stub outs" so installed shall extend beyond the street pavement toward the property of all properties to be served whenever feasible. All services shall connect only to "stub outs" installed and tested as part of the original construction. After original construction additional "stub outs" can only be installed with the approval of the Executive Director of the Texas Water Quality Board.
- w. All blasting which is to occur within twenty-five (25) feet of an existing and previously tested sanitary sewer main shall require prior notice to the Texas Water Quality Board District Office No. 8 and the Licensing Authority.

Blasting within such areas shall be accomplished with the following guidelines:

Approximate Distance from Sanitary Sewer Main	Pounds of Explosive per Cubic Yard of Rock to be Blasted		Maximum Hole Spacing
	Nitro Carbo Nitrate	Dynamite (60% Extra)	
5'	1#/CY	0.6#/CY	2'
10'	1#/CY	0.7#/CY	3'
15'	1.2#/CY	0.8#/CY	5'
20'	1.4#/CY	0.9#/CY	8'
25'	1.7#/CY	1.0#/CY	12'

In addition to the above general criteria, all blasting shall be in accordance with appropriate criteria established in the National Fire Protection Association Publication and the contractor shall consider the elevation of the existing sanitary sewer main in relation to the blasting charge and the relative direction of existing and proposed trenches. Blasting within such areas shall be accomplished by only qualified blasting contractors who hold blasting licenses from a qualifying agency such as the San Antonio Fire Department in Bexar County.

Should the Texas Water Quality Board find that damage has been done to an existing sanitary sewer main resulting from such blasting, it may require the responsible party to repair and re-test such mains.

- x. Where fully supported by relevant information provided by the consulting engineer, the Executive Director may substitute an alternate procedure for any of the foregoing.
- y. Notwithstanding all the above, it shall be required that the system operate satisfactorily and any failure for any cause whatsoever shall be required to be corrected in a satisfactory manner.

IV. Private Service Laterals on Organized Sewage Collection Systems Located Within the Recharge Zone

- A. Any new private service lateral shall conform to design and construction criteria as established in Article III, Section B, Subsection 15 of this Order.
- B. Prior to connecting the private service lateral into an organized sewage collection, treatment and disposal system, a Registered Professional Engineer shall visually inspect the private service lateral after installation and prior to covering and certify it to have been constructed in conformity with the applicable provisions of Article III, Section B, Subsection 15 dealing with construction standards for sewage collection lines. The permit holder of the organized disposal system shall be responsible for forwarding this certification to the

Texas Water Quality Board, as will be provided for in the special conditions attached to the discharge permit.

V. Licensing Requirements for New Private Sewage Facilities

- A. Private sewage facilities to be operated within an urban area and within the boundaries of the Recharge Zone must meet the following requirements:
1. A license must be obtained for the use of these facilities from the designated licensing authority.
 2. The lot or tract in question must be large enough, considering the soil and drainage conditions and probable volume of sewage to be disposed of , to permit the use of a private sewage facility without causing water pollution, nuisance conditions, or danger to public health.
 3. No license may be issued for a septic tank system located on a lot or tract of land in the Recharge Zone having an area of less than one-acre unless an exception is granted in accordance with Article XI of this Order. If at some future date an organized collection, treatment and disposal system replaces the private sewage facility disposal system, the one-acre minimum lot size requirement is no longer applicable.
 4. Whenever the natural percolation rate is faster than one minute per inch, an alternate site for a septic tank system should be sought. If there is no suitable alternate site, the licensing authority shall grant or deny a permit on the basis of all relevant factors. Reference is here made to the evapotranspiration system for sewage disposal.
 5. A septic tank system shall be installed only in areas where the slope of the ground surface in the area of the absorption field to a distance of twelve (12) feet horizontally from the absorption field is less than one foot vertical to three feet horizontal, unless proper construction techniques are employed in order to overcome the slope.
 6. Except when the septic tank system utilizes an evapotranspiration disposal system, a soil profile to a depth of seven (7) feet shall be established.
 7. A minimum of six (6) percolation tests spaced uniformly over the proposed absorption field site shall

- be performed. Percolation test holes and performance of the percolation test measurements should be in accordance with the Guide.
8. Any new private sewage facility should conform to the design criteria established in the Guide. However, the Board is aware that the Guide cannot be literally applied in every situation and in such cases the Guide should not be substituted for sound judgment.
 9. The use of natural or artificially produced holes, cavities or drilled wells to ease the disposal of private sewage facility effluent is prohibited.
 10. Pit privies, cesspools or injection wells used to dispose of sewage from private sewage facilities are prohibited from being constructed on the Recharge Zone after the effective date of this Order.

B. Terms of license for new private sewage facilities:

1. Any license issued under the authority of this Order will be transferred to a succeeding owner and such license will continue in existence for the unexpired term of the license.
2. The licensing authority will perform or direct the performance of such inspections and tests as may be deemed necessary to determine the suitability of the land for a private sewage facility. Whenever good practice accords, all tests, design and construction shall be in conformity with provisions of the Guide.
3. Upon a finding by the licensing authority that use of the private sewage facility will not cause pollution or injury to the public health and is not in conflict with the terms and regulations of this Order:
 - a. A license effective for a term of five (5) years will be issued.
 - b. A new license issued under the above terms may be renewed for successive terms of five (5) years.
4. The licensee shall notify the licensing authority of any subdivision or resubdivision of the property served by the private sewage facility or if the

capacity or loading of the system is altered from that stated in the license. Any alteration of the system shall render the license voidable and require of the licensee the burden to show why his license shall not be revoked.

5. Upon a decision by the licensing authority that the private sewage facility will not be licensed, the applicant shall be notified in writing of that finding and of the faults which prevent licensing.

C. Application forms may be obtained from the licensing authority in the county where the private sewage facility is to be located. To initiate consideration of the application, the forms must be completed in duplicate and returned to the licensing authority and must conform to the following:

1. The name and address of the person making the application, the address or location of the property on which the system is to be built, the legal description and dimensions of the property, a description of the structure or structures that the system is proposed to serve, any map with sufficient detail to clearly locate the land on which the system will be constructed, unless the land is within a platted and recorded subdivision, in which case the applicant may substitute a reference to the lot number and plat in lieu of the map.
2. The licensing authority shall notify the applicant whether or not a satisfactory private sewage facility reasonably meeting the requirements of this Order and the Guide, where applicable, can be built on the property for which the application is made.
3. If it is found that a private sewage facility can be built, the licensing authority shall inform the applicant of the minimum requirements for such a system. The applicant must then submit detailed plans for the system accompanied by the applicant's certificate that the system will be built according to the submitted plans.
4. The applicant shall notify the licensing authority, at least five days in advance of the proposed completion of a septic tank system, before the facility

is covered in order that a final inspection can be made to determine whether the system was installed in accordance with the plans and specifications submitted with the application. Once this final inspection is made and everything is found to be in order, a license will then be issued.

5. An applicant need not be an owner. Although the owner is ultimately responsible, applications may be accepted from the party renting or leasing the property. In cases of dispute, the owner is considered fundamentally responsible.
- D. A tract of land located on the Recharge Zone but not within an urban area is exempt from the licensing requirements set out in Article V of this Order.
1. Those lots platted and recorded after the effective date of this Order, but not having a private sewage facility at the time the area is determined by the licensing authority to be urban, are required to be licensed.
 2. This exemption will not bar any action to abate a nuisance as defined in Article 4477-1 (V.T.C.S.). If a system in existence before the effective date of this Order is found to be malfunctioning, the licensing authority may require licensing in accordance with Article V.
- E. Business-commercial activities and residential developments producing more than 400 gallons per day of sewage shall be rated in terms of single family equivalents, with each 400 gallons per day of effluent being equivalent to a single unit dwelling. Wastes from these operations may be disposed of in septic tank systems which meet the same requirements of a single unit dwelling. No license may be granted for any septic tank system to serve any business or commercial activity located on a lot or tract which is smaller than a land area which bears the same proportion to one (1) acre as the volume of sewage produced bears to 400 gallons per day.
- F. The licensing authority may issue a conditionally permitted license under conditions which are not standard but where the licensing authority finds that to require the standards would place an unreasonable burden on the licensee, and the deviation would not cause

pollution of the Edwards Underground Reservoir or create a public health hazard.

VI. Existing Private Sewage Facilities

- A. Every private sewage facility existing within the Recharge Zone and an urban area on the effective date of this Order will be exempt from the licensing provisions of this Order if the facility is registered with the licensing authority within one (1) year from the date of adoption of this Order or if the facility has been previously licensed by the licensing authority under the terms of Texas Water Quality Board Order No. 70-0731-12. This exemption does not legitimize what was a violation of Texas Water Quality Board Order No. 70-0731-12.
- B. Terms of registration for existing private sewage facilities:
 - 1. Registration forms may be obtained from the licensing authority.
 - 2. No fees shall be charged for the registration of existing private sewage facilities.
 - 3. The licensing authority shall register every existing private sewage facility as soon as the appropriate registration form has been received.
 - 4. A registration issued under the authority of this Order will be transferred to a succeeding owner and such registration will continue in existence provided the new owner applies to the licensing authority.
- C. Registration in accordance with this Order will not bar any action to abate a nuisance as defined in Article 4477-1 (V.T.C.S.). If a system in existence before the effective date of this Order is found to be malfunctioning, the licensing authority may require licensing in accordance with Article V.

VII. Connection of Private Sewage Facilities to Organized Waste Collection, Treatment and Disposal Systems

- A. In order to preserve the quality of the water of the Edwards Underground Reservoir, the Board encourages the development and use of organized sewage collection, treatment and disposal systems in the more heavily

populated areas of the Recharge Zone and accordingly makes the following requirements:

1. No license shall be issued for any private sewage facility when any part of the facility is closer than 300 feet in horizontal distance to an organized disposal system; rather the facility shall be connected to the organized disposal system, provided that such system has the capacity to handle the additional volume and provided such connection is in fact feasible and practical to achieve.
 2. Whenever an organized disposal system is developed to within 300 feet in horizontal distance from any part of a private sewage facility, licensed or not, that facility shall be connected to the organized disposal system within 120 days following notification to the private sewage facility's owner of the organized system's availability. This is subject to the above exceptions in Article VII, Section A.1.
 3. All private sewage facilities licensed under this Order shall be subject to inspection by the licensing authority and its agents at all reasonable times for the purpose of determining compliance with the terms of the license and this Order.
- B. Political entities which are empowered by law to have organized sewage disposal systems and which do not have such sewage systems and which lie within the Recharge Zone are directed to submit evidence to the Board showing why they should not immediately begin development of an organized sewage disposal system.

VIII. Subdivision Plans

- A. Any developer or other interested person desiring to create a subdivision to be served by either an organized or a private disposal system and located within the Recharge Zone of the Edwards Underground Reservoir must fulfill the following requirements:
1. An application for approval of the subdivision sewage disposal plan shall be submitted to the Board.
 2. The application shall set forth the name and

- address of the developer, the address or location of the subdivision, a map or plat showing the boundary lines of the subdivision and the lots within the subdivision.
3. The application shall contain the location of any unplugged wells within the subdivision which are not in use. (The term "wells" refers to all wells whether they be water wells, injection wells, oil wells, etc.) The unplugged abandoned wells will be plugged, utilizing suitable measures as approved by the Edwards Underground Water District, the Texas Water Well Drillers Board or the Texas Railroad Commission.
 4. Where applicable, the Board may require of a subdivision located on the Recharge Zone the following:
 - a. Where the sewer lines must cross significant creek bottoms or other identifiable sensitive recharge areas in the Recharge Zone, the section of the line in the sensitive recharge area will be encased in concrete with a minimum thickness of five (5) inches.
 - *b. Frequent street cleaning operations by "vacuum-type" street sweepers.
 - *c. A minimum of six inches topsoil to be provided on all lawn areas. If there are areas not to be maintained on a regular basis, then the six (6) inches of topsoil would be either not required or less rigorously applied.
 - d. Strategically placed water wells, based on geological data, which can be used to monitor the subdivision to delineate any effects the subdivision, i.e., runoff originating in the subdivision and the sewage treatment plant discharge, might have on the Edwards Underground Reservoir.

*Studies are being conducted to determine what effects these practices may have in reducing the concentration of various pollutional constituents entering the Edwards Underground Reservoir. If the studies show that the practices do not significantly reduce the concentration of these constituents, then the Board may eliminate the requirements, based either on preliminary or final results or any other information found subsequent to the adoption of this Order.

- e. Facilities used for the underground storage of hydrocarbon products, and in the opinion of the Texas Water Quality Board other toxic chemicals and hazardous materials, shall be of double wall construction. The storage facility may be fabricated or constructed on site, utilizing various construction materials and methods to achieve this type of construction. In addition, methods for detecting leaks in the wall of the storage facility shall be included in the facility's design and construction.

The requirements of the above paragraph shall include the entire "Recharge Zone" and not be limited to "urban" areas as defined in Article I of this Order.

- f. Lawn fertilizers are restricted by this Order to "pellet-types" only.
 - g. Hydrocarbon transmission lines will be constructed in accordance with Board specifications in the absence of specifications of some other State or Federal agency having the jurisdiction to so regulate. Board specifications will be based solely on the protection of the Edwards Underground Reservoir.
 - h. Strategically placed holding and settling ponds designed to retain storm water runoff from watersheds containing significant concentrations of pollutants. These impoundments may also be used to monitor the quality of surface water runoff in order to determine the effects the development could have on the aquifer.
 - i. Any other provision which the Board feels is necessary in order to protect the Edwards Underground Reservoir from pollution.
- B. Solely for the prevention of pollution of the Edwards Underground Reservoir, Sections 305, 400, and 405 of the Texas Water Development Board Rules, Regulations and Modes of Procedure, as related to the Texas Water Well Drillers Act which provides for the proper completion and plugging of wells, is adopted by reference as a water quality protection measure.
- C. Each of the county governments affected by this Order, within their respective counties, shall be responsible for removing constituents from the streets of existing

unincorporated subdivisions by a regular program of vacuum street sweeping, when those subdivisions are located on the Recharge Zone and when, in the opinion of the Board, the lack of the street sweeping program will cause a threat of pollution to the Edwards Underground Reservoir. Incorporated cities located on the Recharge Zone shall be responsible for the same program when, in the opinion of the Board, it is needed to protect the Edwards Underground Reservoir from pollution.

- D. The licensing authority, upon adoption of the Order, should forward copies to all governmental entities, to all commercial lending institutions, title companies, engineering firms and architectural firms in the region.

IX. Additional Requirements of a Subdivision Using Private Sewage Facilities

- A. The developer shall inform each prospective buyer:
1. That the subdivision is subject to all of the terms and conditions of this Order.
 2. That a license will be required for any private sewage facility constructed in the subdivision.
 3. That a sewage disposal plan has been filed for a subdivision and that the areas suitable for private sewage facilities have been defined.
 4. If investigation reveals that a lot is not suitable for use of private sewage facilities, the prospective buyer shall be so notified in writing.
- B. The licensing authority will perform necessary tests and inspections to determine whether the subdivision can be served with private sewage facilities. By agreement between the licensing authority and the developer, all or part of the tests may be performed by an engineering firm or soils testing laboratory approved by the licensing authority. The licensing authority will notify the developer of the findings of its examination and will point out any deficiencies in the plan for sewage disposal. Specifically, the licensing authority will notify the developer of any areas not suitable for the use of private sewage facilities and whether the proposed developmental density is consistent with the use of private sewage facilities. Approval of a subdivision plan for sewage disposal does not constitute

a license for a specific private sewage facility. An approved plan is, however, a prerequisite for obtaining a private sewage facility license in a subdivision.

X. Areas Above Recharge Zone

Although not subject to control by this Order, it shall be the policy of the Board to exercise surveillance and control over all streams flowing across the Recharge Zone and all waste sources entering those streams to insure that the water recharging the Edwards Underground Reservoir is of satisfactory quality.

XI. Terms and Conditions for Granting Exceptions

The Board intends that the regulations contained in this Order shall be strictly enforced but realizes that certain individual situations may require the granting of an exception to the requirements contained in this Order so that hardships may be avoided. The Board additionally realizes that the nature of the matter makes it impossible to enumerate in this Order the many possibilities which might necessitate an exception and, therefore, establishes the following terms and conditions:

- A. Any person desiring an exception shall file an application with the licensing authority for its analysis of specifics of the situation.
- B. The licensing authority shall review the application and issue a recommendation to the Texas Water Quality Board District Office either to grant or deny the application for an exception. When an application is denied, the Texas Water Quality Board District Office statement shall set out the reasons for the decision.
- C. Any person aggrieved by an action or decision of the Texas Water Quality Board District Office or licensing authority may appeal to the Executive Director and the Board if the following terms and conditions are met:
 1. All of the appropriate steps required of the aggrieved person by the terms and conditions of this Order have been met.
 2. The aggrieved person has made a conscientious effort to resolve his problem with the licensing authority and the Texas Water Quality Board district office.

- D. Any exception to the requirements of this Order authorized pursuant to the provisions stated above, shall be forwarded in writing by the party receiving the exception to the Edwards Underground Water District within fourteen (14) days of the date of receiving the exception.

XII. License, Revocation and Suspension

The Executive Director, for good cause, may revoke or suspend a license for a private sewage facility in accordance with the rules and regulations of the Board if the licensee fails to comply with the terms and conditions of his license or of this Order.

XIII. Designation of Agents

- A. The Edwards Underground Water District shall be the coordinating agency and shall supervise the administration of the Order in each of the affected counties.
- B. In each of the respective counties affected by this Order, the County Commissioners Court shall be designated the licensing authority after a showing by the County Commissioners Court that the duties enumerated in this Order will be performed by either a Registered Professional Engineer or a Registered Sanitarian.
- C. The County Commissioners Court may name the County Health Department or other county department to act for the Court.
- D. The Board will, on request by the County Commissioners Court, make a direct designation of a county department or other entity capable of performing the duties under the terms of the Texas Water Code, Section 21.083(g).

XIV. Responsibilities of the Edwards Underground Water District

The Edwards Underground Water District of Texas, responding to the water quality management duties charged by Tex. Rev. Civ. Stat. Ann. Art. 8289-218 (1959) will carry out the following functions:

- A. Provide maps on which the Recharge Zone has been located which correspond with the maps located in the offices of the Texas Water Quality Board.

- B. Assist the various licensing authorities who request assistance in carrying out provisions of this Order.
- C. Conduct such geological investigations as are necessary to continually update the exhibits of the zone defined in this Order.
- D. Monitor the quality of the water in the Reservoir.

XV. License, Inspection and Renewal Fees

License fees, inspection fees, and renewal fees will be in accordance with a fee schedule established by the individual licensing authorities. These fees shall be paid to and collected by the licensing authority so long as the licensing authority remains the designated agent of the Board for the purposes and functions specified in this Order. The establishment of this fee schedule does not impair or prohibit the imposition of reasonable charges by the licensing authority for special services performed by it at the request of the applicant in connection with presentation of an application and required data. Percolation tests and other examinations will be performed by the licensing authority or its designee on a cost basis. These tests may also be performed by engineering firms or soils testing laboratories approved by the licensing authority.

XVI. Countywide Regulation

Any county covered by this Order, with a showing of an ability of organization to carry it through, can petition the Board to adopt an order to regulate private sewage facilities in that portion of the county not covered by this Order. The county may, under the authority of Section 21.084 of the Texas Water Code, adopt on its own initiative an order regulating private sewage facilities within the county subject to the approval of the Texas Water Quality Board.

XVII. Penalty Clause

A person who violates any provision of this Order is subject to civil penalty for each act of violation and for each day of violation to be recovered as authorized in Section 21.253 and Section 21.254 of the Texas Water Code and/or any applicable amendment to the Texas Water Code subsequent to the

date of the adoption of this Order.

XVIII. Supersedure

This Order supersedes and replaces Texas Water Quality Board Order No. 70-0731-12 except for Art. VIII, Section C of the Order and Texas Water Quality Board Order No. 74-0326-4. It does not however replace Texas Water Quality Board Order No. 72-1128-9. Such Orders and their provisions shall remain in effect until amended or cancelled by the Board.

XIX. Severability Clause

If any provision of this Order or the application thereof to any person or circumstances is held invalid, the validity of the remainder of the Order and the application of such provision to other persons and circumstances shall not be affected thereby.

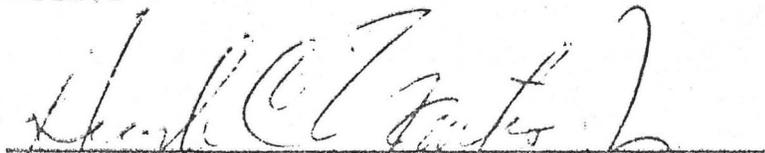
Issued and approved this 28th day of January , 1975.

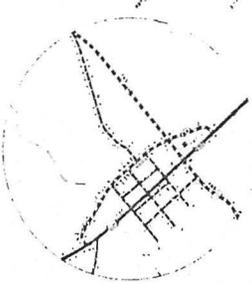
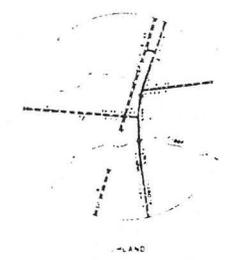
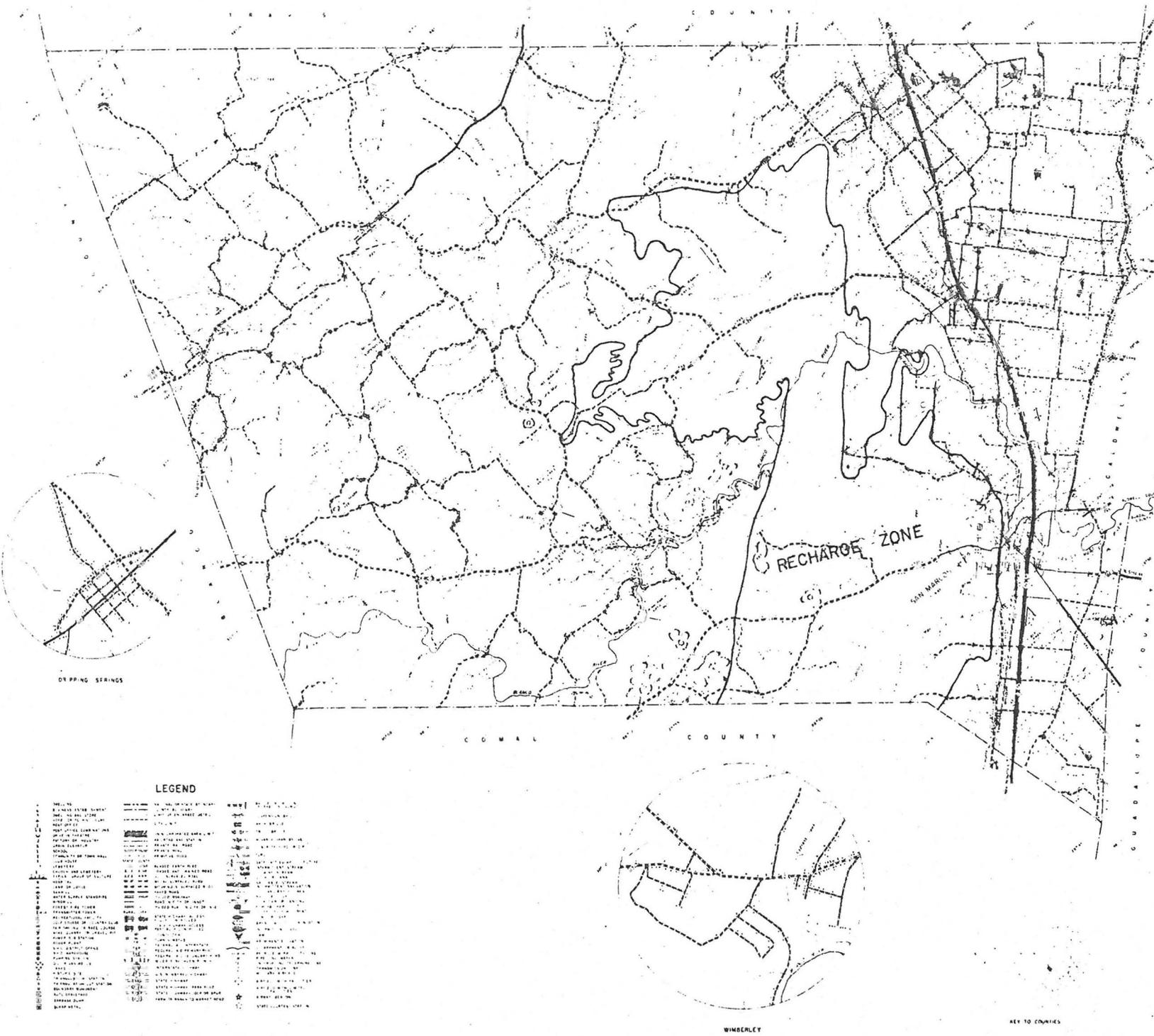
TEXAS WATER QUALITY BOARD


J. Douglass Toole, Chairman

(Seal)

ATTEST:

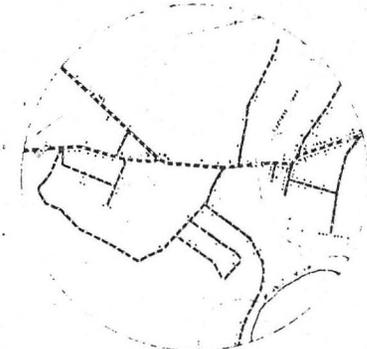

Hugh C. Yantis, Jr., Executive Director



DIPPING SPRINGS

LEGEND

1. INTERSTATE HIGHWAY	11. UNPAVED ROAD	21. RAILROAD
2. STATE HIGHWAY	12. GRAVEL ROAD	22. RAILROAD CROSSING
3. COUNTY ROAD	13. GRAVEL ROAD	23. RAILROAD CROSSING
4. COUNTY ROAD	14. GRAVEL ROAD	24. RAILROAD CROSSING
5. COUNTY ROAD	15. GRAVEL ROAD	25. RAILROAD CROSSING
6. COUNTY ROAD	16. GRAVEL ROAD	26. RAILROAD CROSSING
7. COUNTY ROAD	17. GRAVEL ROAD	27. RAILROAD CROSSING
8. COUNTY ROAD	18. GRAVEL ROAD	28. RAILROAD CROSSING
9. COUNTY ROAD	19. GRAVEL ROAD	29. RAILROAD CROSSING
10. COUNTY ROAD	20. GRAVEL ROAD	30. RAILROAD CROSSING



WIMBERLEY

KEY TO COUNTIES

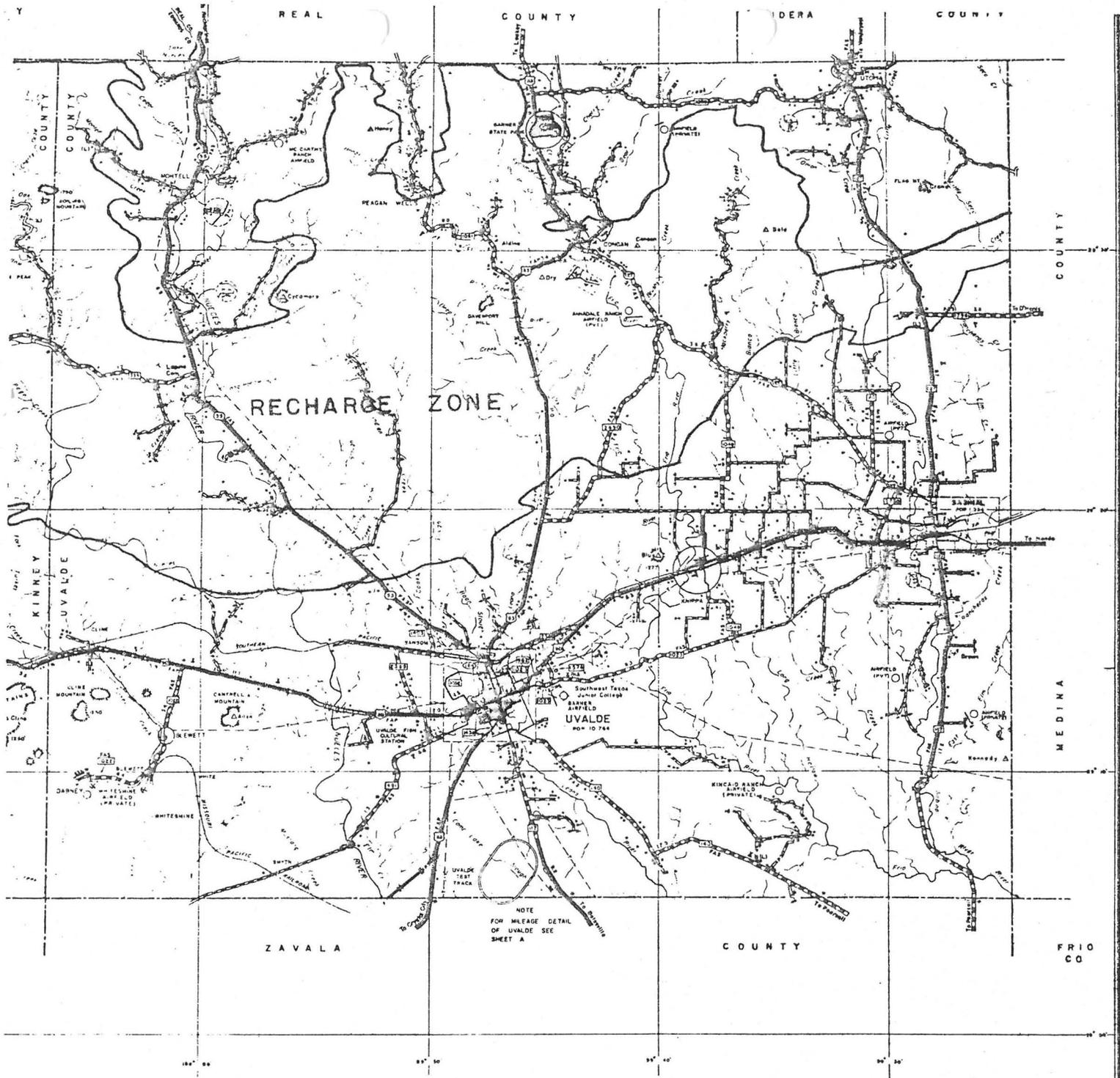
**GENERAL HIGHWAY MAP
HAYS COUNTY
TEXAS**

PREPARED BY THE
TEXAS STATE HIGHWAY DEPARTMENT
PLANNING AND RESEARCH DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



1964

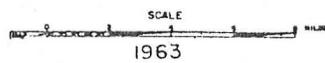
NUMBERS RE-USED TO SEPTEMBER, 1975



GENERAL HIGHWAY MAP

UVALDE COUNTY
TEXAS

PREPARED BY THE
TEXAS STATE HIGHWAY DEPARTMENT
PLANNING SURVEY DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



1963

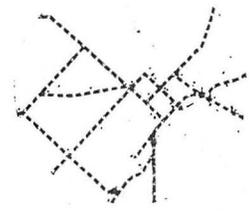
1970 CENSUS FIGURES

HIGHWAYS REVISED TO MARCH 1, 1973

Copies of this map are available for public use at nominal cost from the Texas Highway Department, P.O. Box 5029, Austin, Texas 78763.

DESIGNED, PREPARED AND PRINTED BY THE TEXAS STATE HIGHWAY DEPARTMENT
ENGINEERS, PLANNERS, SURVEYORS AND ARCHITECTS
PLANNING SURVEY DIVISION

Sheet 1 of 2 (see sheet and 3 supplementary sheets)



QUIP



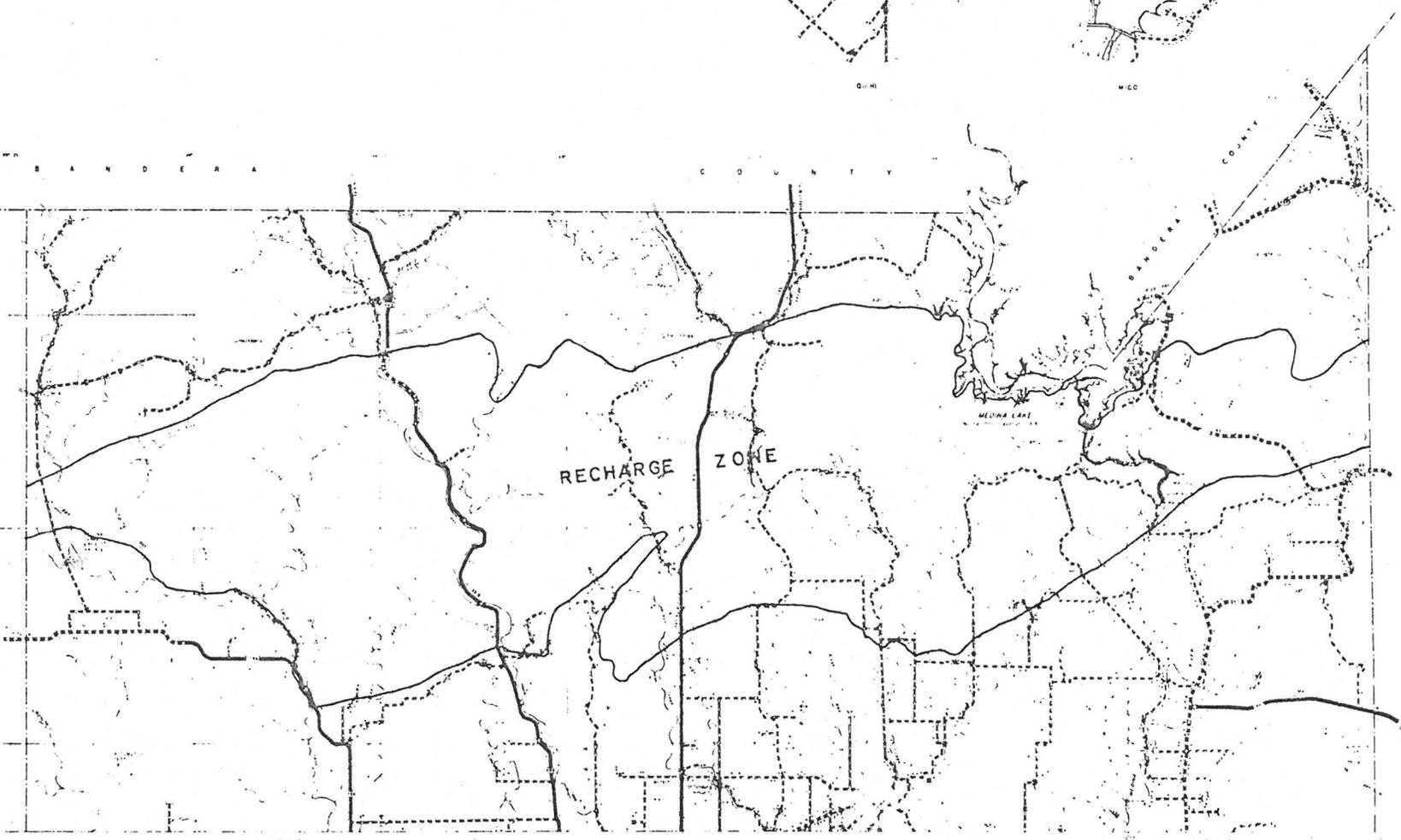
MICO

BANDERA COUNTY

COUNTY

BANDERA COUNTY

UVALDE COUNTY



RECHARGE ZONE

MEDINA LAKE

MEDINA COUNTY TEXAS



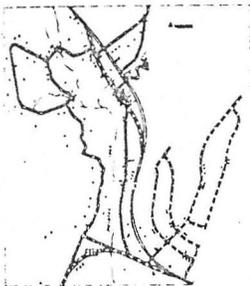
1964

HIGHWAY REVISED TO MAY 1964



STATE OF TEXAS

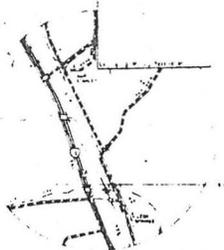
COMMISSIONER OF GEOLOGICAL SURVEY



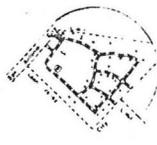
HELOTES



HILL TOP ACRES



LEON SPRINGS



MONTE ROBLES PARK



INSET NO. 5



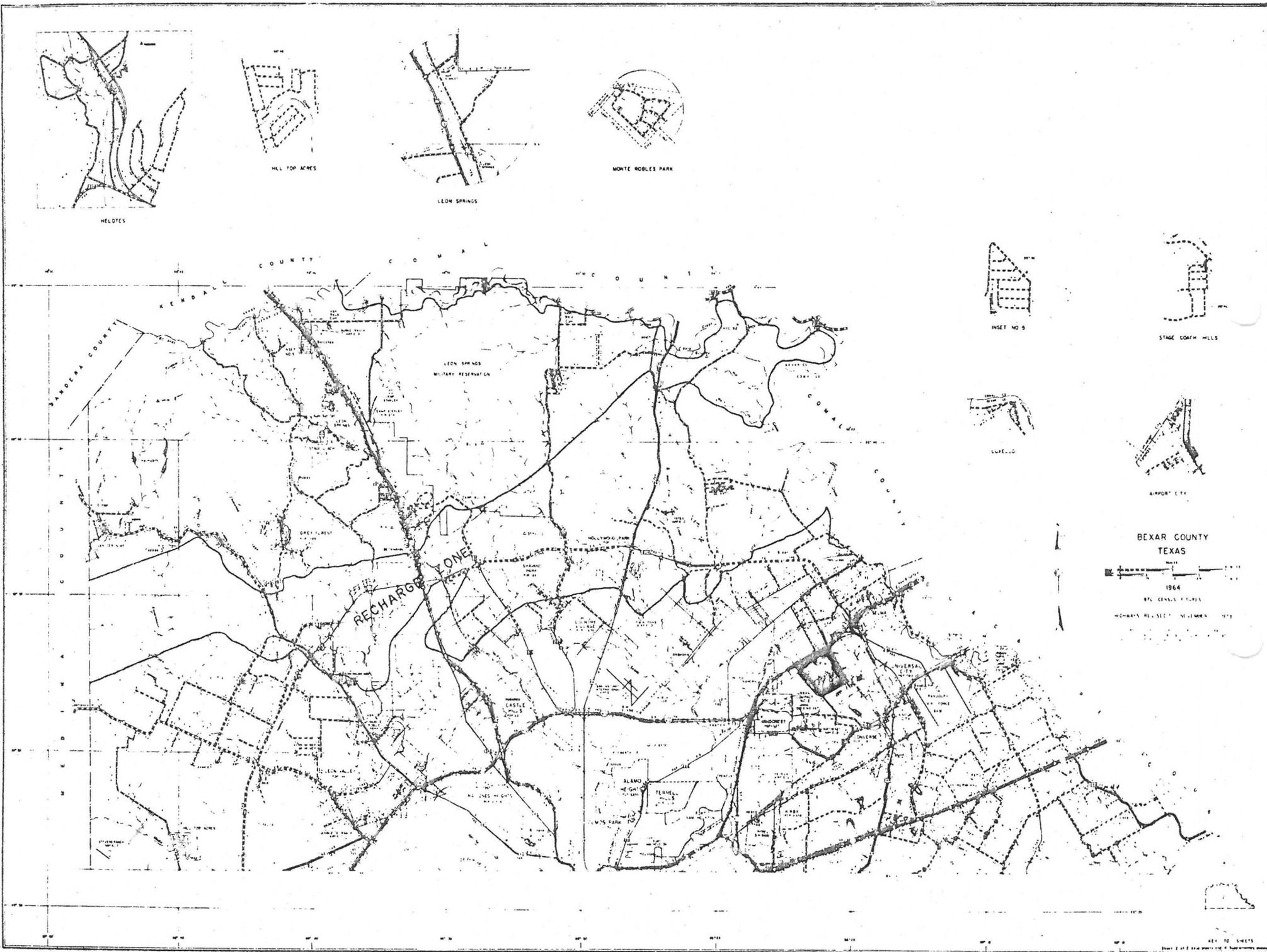
STAGE COACH HILLS



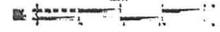
LUFKIN



AIRPORT CITY



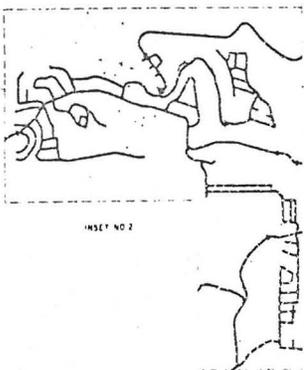
BEXAR COUNTY TEXAS



1964

BY GEN. L. J. ...

HOWARD ...



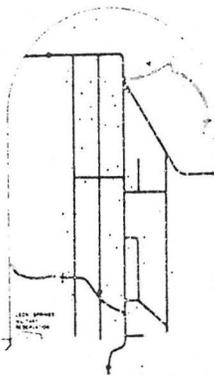
INSET NO. 2



LOWAL HILLS



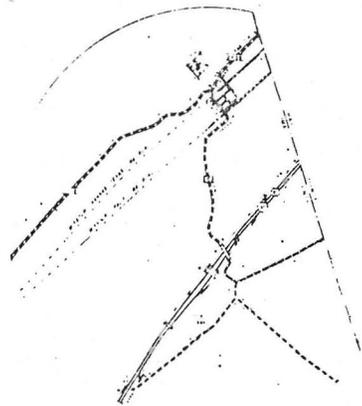
SPRING BRANCH



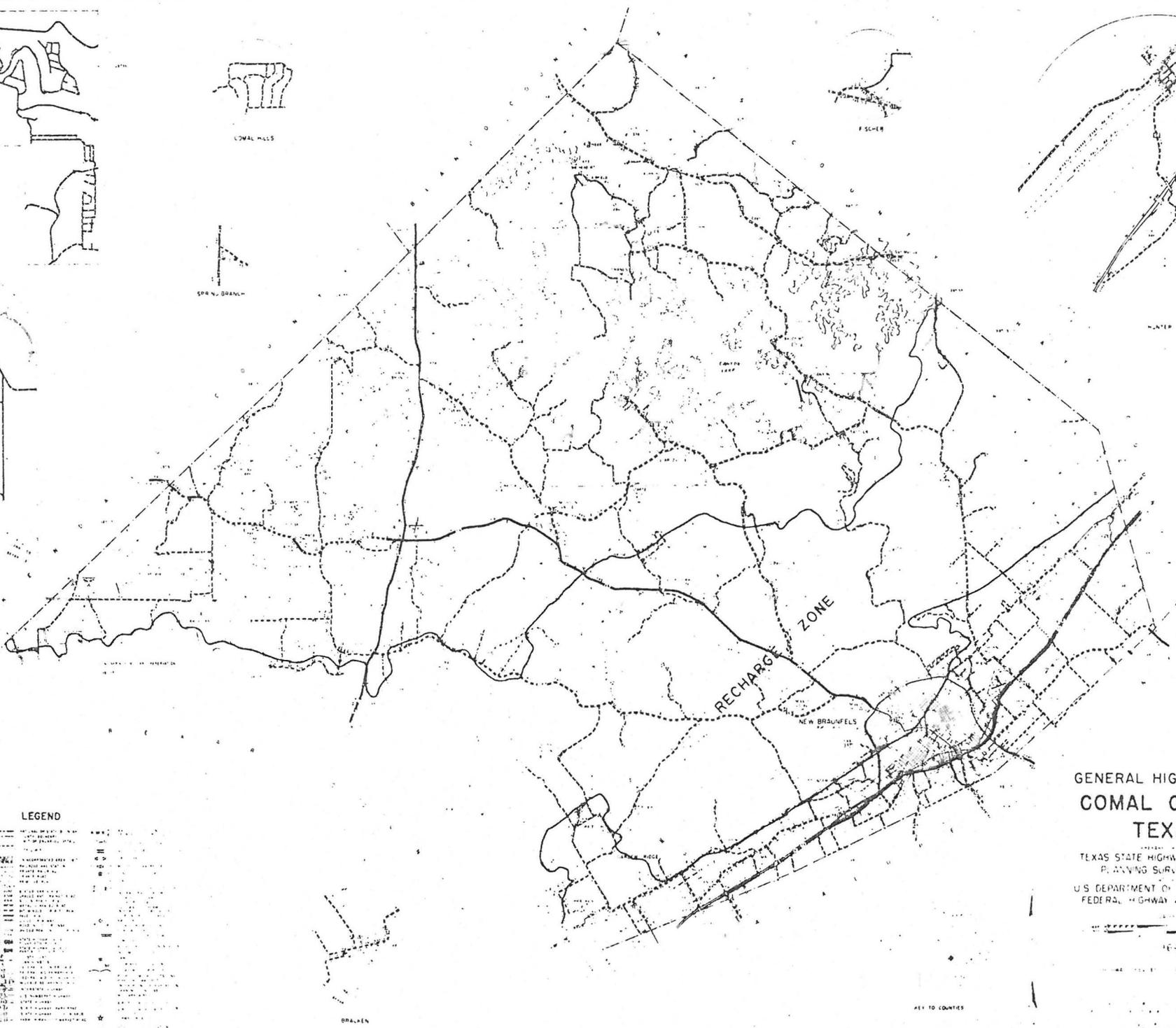
CANYON VIEW
ACRES



FISCHER



WATER

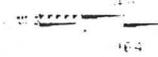


LEGEND

1	State Highway	10	County Road	19	Water
2	State Highway	11	County Road	20	Water
3	State Highway	12	County Road	21	Water
4	State Highway	13	County Road	22	Water
5	State Highway	14	County Road	23	Water
6	State Highway	15	County Road	24	Water
7	State Highway	16	County Road	25	Water
8	State Highway	17	County Road	26	Water
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37	State Highway	46	County Road	55	Water
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50	State Highway	59	County Road	68	Water
51	State Highway	60	County Road	69	Water
52	State Highway	61	County Road	70	Water
53	State Highway	62	County Road	71	Water
54	State Highway	63	County Road	72	Water
55	State Highway	64	County Road	73	Water
56	State Highway	65	County Road	74	Water
57	State Highway	66	County Road	75	Water
58	State Highway	67	County Road	76	Water
59	State Highway	68	County Road	77	Water
60	State Highway	69	County Road	78	Water
61	State Highway	70	County Road	79	Water
62	State Highway	71	County Road	80	Water
63	State Highway	72	County Road	81	Water
64	State Highway	73	County Road	82	Water
65	State Highway	74	County Road	83	Water
66	State Highway	75	County Road	84	Water
67	State Highway	76	County Road	85	Water
68	State Highway	77	County Road	86	Water
69	State Highway	78	County Road	87	Water
70	State Highway	79	County Road	88	Water
71	State Highway	80	County Road	89	Water
72	State Highway	81	County Road	90	Water
73	State Highway	82	County Road	91	Water
74	State Highway	83	County Road	92	Water
75	State Highway	84	County Road	93	Water
76	State Highway	85	County Road	94	Water
77	State Highway	86	County Road	95	Water
78	State Highway	87	County Road	96	Water
79	State Highway	88	County Road	97	Water
80	State Highway	89	County Road	98	Water
81	State Highway	90	County Road	99	Water
82	State Highway	91	County Road	100	Water

GENERAL HIGHWAY MAP
COMAL COUNTY
TEXAS

PREPARED BY
TEXAS STATE HIGHWAY DEPARTMENT
PLANNING SURVEY DIVISION
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



KEY TO COUNTIES

STATE OF TEXAS)
)
COUNTY OF BEXAR)

BEFORE ME, the undersigned authority:

personally appeared Diana Lopez

to me personally known to be the Bookkeeper

OF THE SAN ANTONIO EXPRESS and SAN ANTONIO EVENING NEWS,

daily newspapers published in the City of San Antonio, in the county and

state aforesaid, and being by me first duly sworn, deposes and says

that the advertisement of Account # C72680 City of S. A. City Clerk

**CITY OF SAN ANTONIO
NOTICE**

A public hearing will be held by the City Council of the City of San Antonio on Thursday, October 2, 1975 at 10:30 a.m., in the Council Chamber at City Hall to consider amendments to Chapter 42 of the City Code (Zoning Ordinance). Such amendments include the addition of the Edwards Recharge Zone District and adoption of a table as uses for that district.

A copy of the proposed ordinance is on file in the office of the City Clerk for public inspection.

Interested persons are invited to be present.

**J. H. Inselmann
City Clerk**

editions of said newspapers in the manner and style

ached clipping on the following dates: September 17, 1975

Diana Lopez

Subscribed and sworn to this 26th day of September 1975

James Buchanan
Notary Public in and for
Bexar County, Texas.