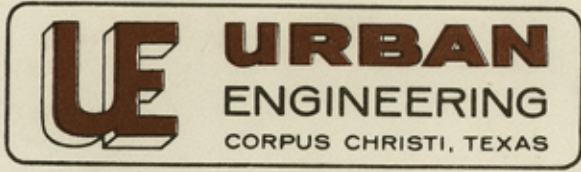


141



Job No. 15928

883-5581 - P.O. BOX 6355 - 3100 S. ALAMEDA

July 19, 1979

Mr. Bob Armstrong, Commissioner
 General Land Office
 Austin, Texas

Report on survey of the shoreline boundary of Lots 5, 6 and 7, Section 37, Flour Bluff & Encinal Farm & Garden Tracts, Nueces County, Texas.

This report and the accompanying survey plat is being submitted for the purpose of obtaining approval of the Land Office for platting the property which is adjacent to State Tracts D on the Cayo Del Oso, according to regulations of the Coastal Public Lands Management Act of 1973, Art. 5415 e-1, V.A.C.S.

Attached Exhibits:

Exhibit 1: Portion of plat of Flour Bluff & Encinal Farm & Garden Tracts recorded on January 20, 1895 in Volume A, Pages 41, 42 and 43 of Map Records of Nueces County, Texas.

Exhibit A: Portion of Oso Creek N.E., Tex 15 minute quadrangle, 1951.

Exhibit B: Portion of Sheet No. 1 of map of part of Laguna Madre State Tracts, prepared by General Land Office on November 1, 1946.

Exhibit D: Aerial photograph dated 10-12-77 to scale of 1" = 100 feet.

The shoreline for this tract was established at elevation 1.5 feet above N.G.V.D. which is the apparent shoreline and vegetation line as it appeared on July 7, 1979. On that date Herman Forbes, Ed McCarty and Clint Sumrall of the General Land Office and myself made an onsite inspection of this tract and all agreed to this line. To establish this shoreline at mean high tide (0.68' or as low as 0.42' by some studies) without considering the stream gradient, puts the line a considerable distance offshore and, in my opinion, would give an incorrect result.

One other fact that complicates this shoreline is the Central Power & Light power plant which was built in about 1975 one mile more or less upstream from this site. This plant discharges considerable quantities of cooling water into the stream and has some effect on the gradient.

George M. Pyle
 George M. Pyle, P.E.
 Licensed State Land Surveyor

GMP:ak
 Enc.

178-64-2

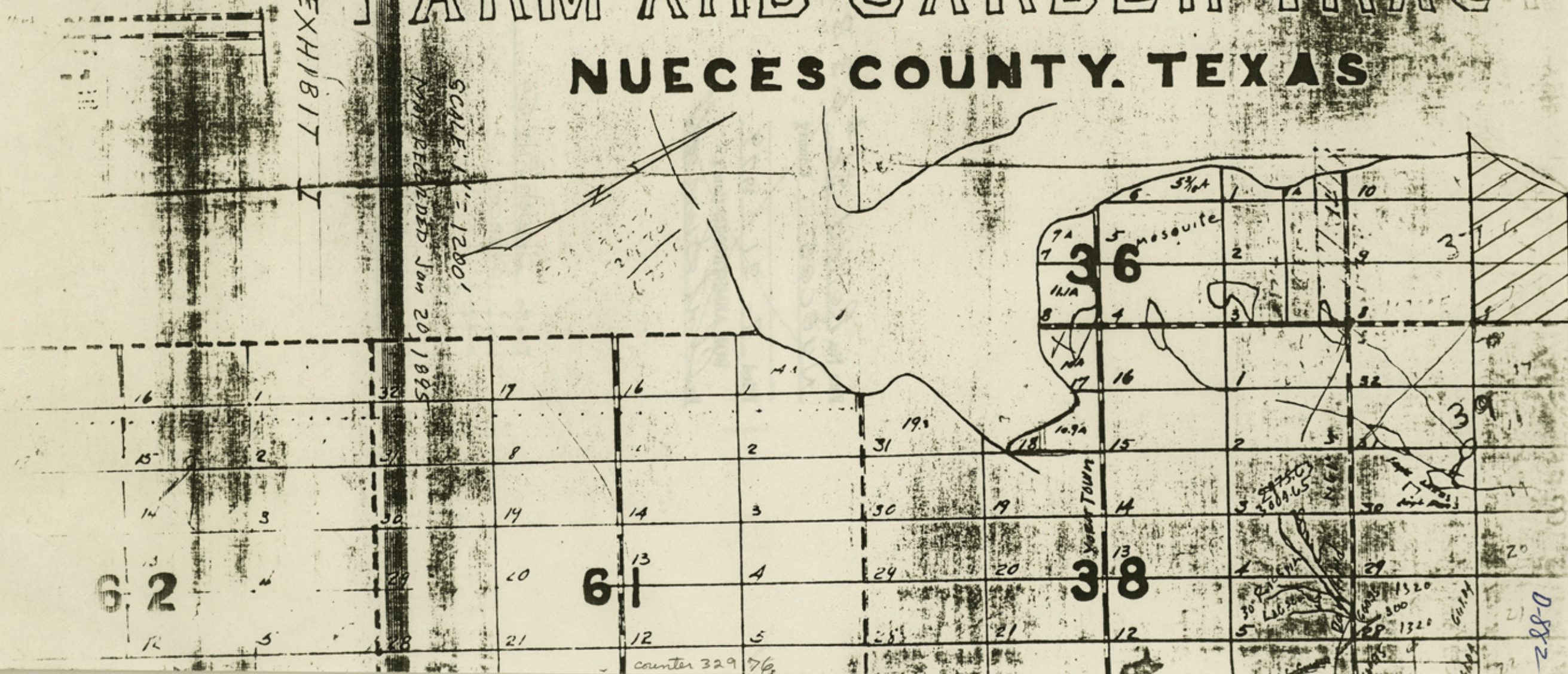
MAP OF

FLOUR BLUFF AND ENCINA FARM AND GARDEN TRACT

NUECES COUNTY, TEXAS

EXHIBIT I

SCALE 1" = 1200'
MAP RECORDED Jan 20, 1895



D-88-2

ROAD CLASSIFICATION

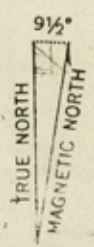
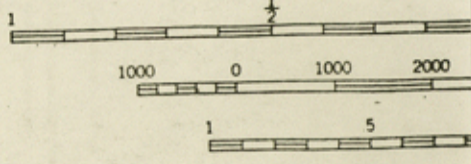
Heavy-duty 4 LANE | 6 LANE Light-duty
 Medium-duty 4 LANE | 6 LANE Unimproved dirt
 U. S. Route State Route

OSO CREEK NE, TEX.
 NE/4 OSO CREEK 15' QUADRANGLE
 N2737.5-W9715/7.5
 1951



1:2 370 000 FEET

1" = 2000'
 C.I. = 5'



APPROXIMATE MEAN
 DECLINATION, 1951

CONTOUR
 DATUM
 DEPTH CURVES AND SOUNDING
 SHORELINE SHOWN REPRESENTS
 THE AVERAGE POSITION

THIS MAP COMPLETES WITH
 FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL

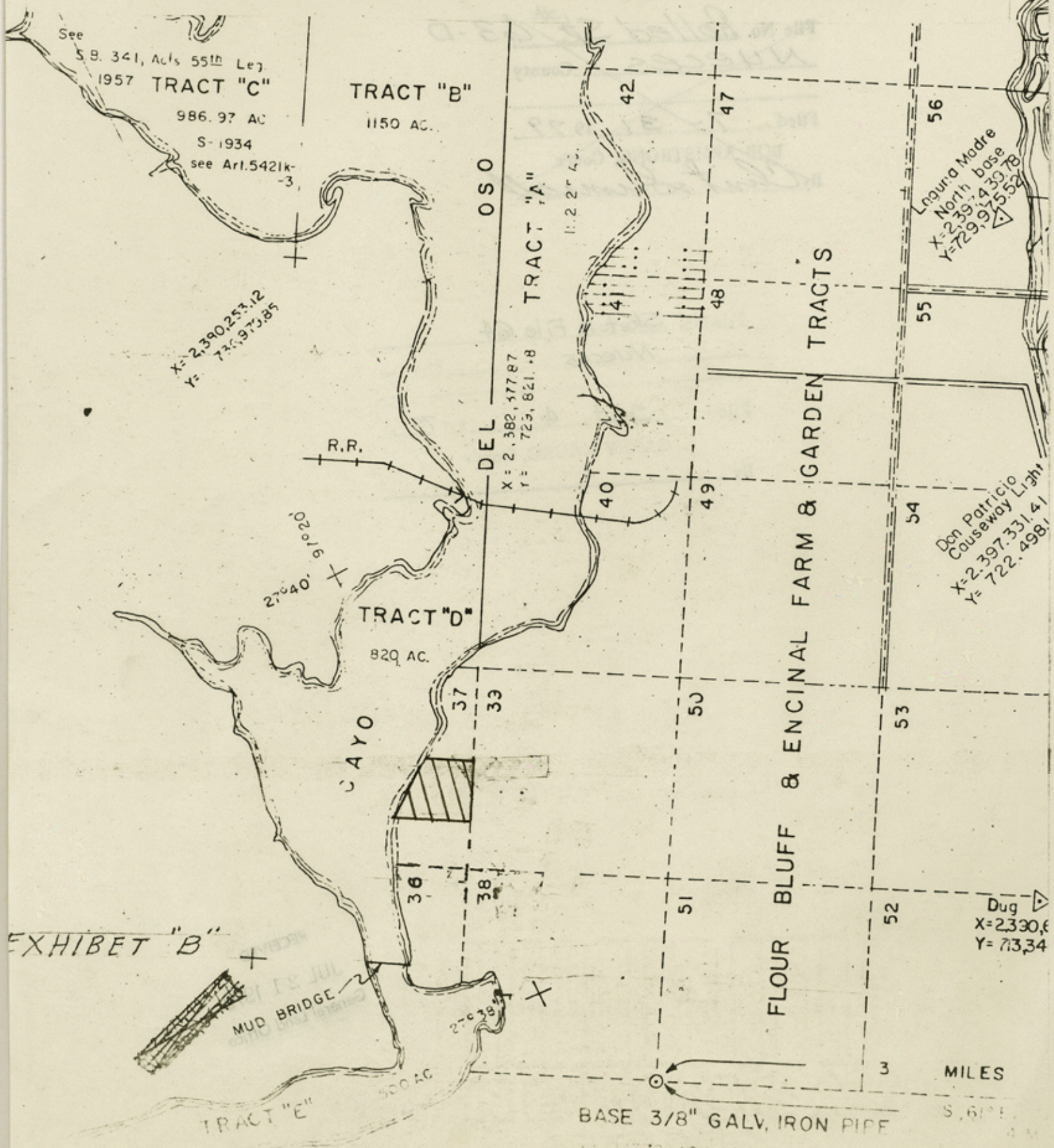
ed by the Geological Survey

mpiled by U.S. Coast and Geodetic
 taken 1948. Topography by
 by Texas Reclamation Department
 from USC&GS Chart 523, 1951
 with American datum
 coordinate system.

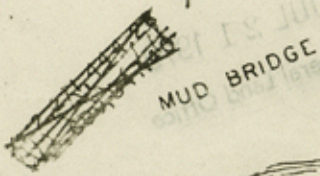
EXHIBIT "A"

MAP OF A PART OF
LAGUNA MADRE
IN
NUECES AND KLEBERG COUNTIES
SHOWING
SUBDIVISION FOR MINERAL DEVELOPMENT

BY
BASCOR GILES, COMMISSIONER GENERAL LAND OFFICE
AUSTIN, TEXAS — NOV. 1, 1946. — SCALE: 1" = 1200 VARAS



EXHIBET "B"



File No. Rollled Sk # 63-D
Nueces County

Filed 7-31 1979
BOB ARMSTRONG, Com'r

By Clint Summell

File No. Sketch File 64
Nueces County

Filed Sept. 4 1979
GARRY MAURO, Com'r

By _____

RECEIVED
JUL 21 1979
General Land Office