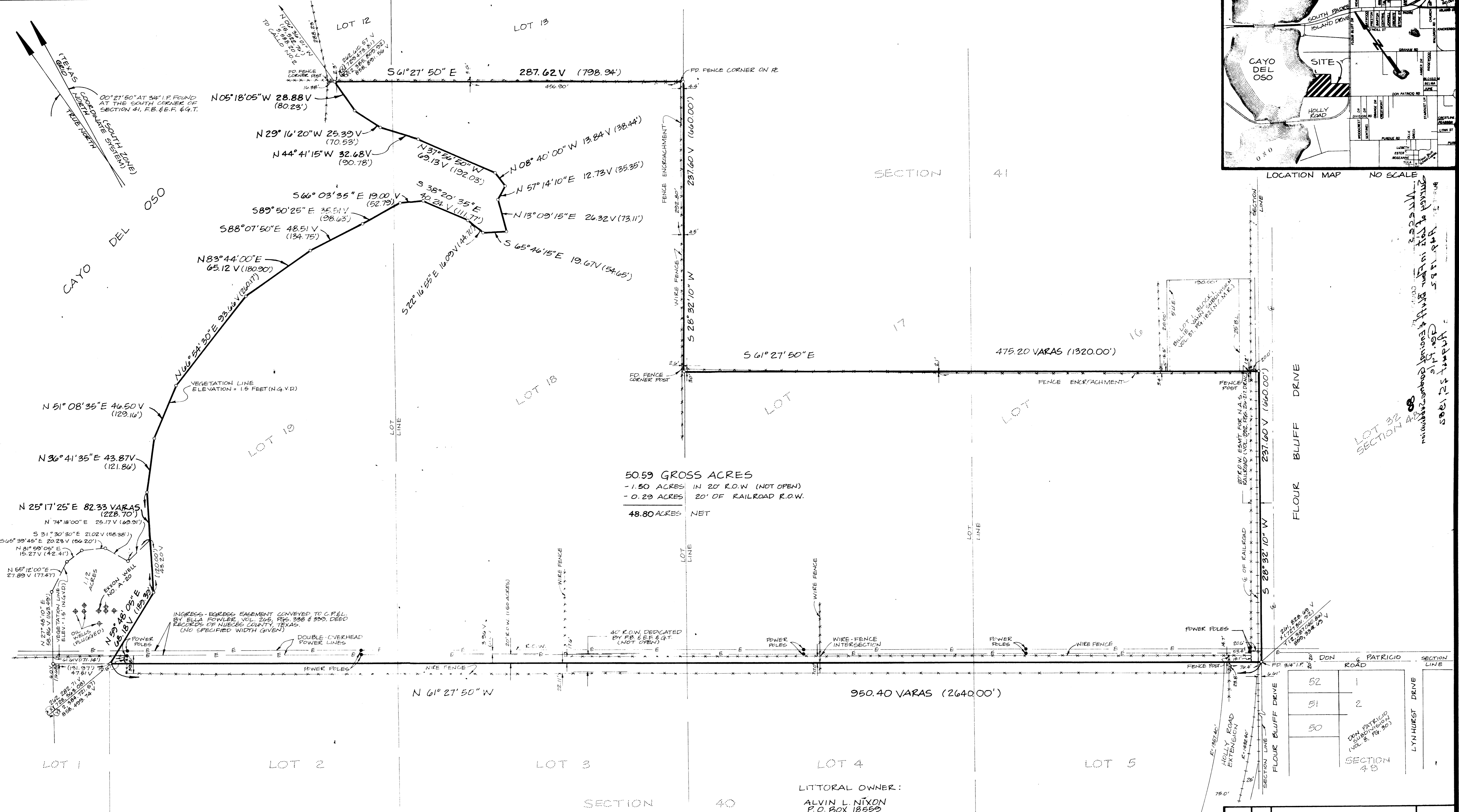


3399' W
17' 00"
S 88° 25' 14" W
2399' W



50.59 GROSS ACRES
 - 1.50 ACRES IN 20' R.O.W. (NOT OPEN)
 - 0.29 ACRES 20' OF RAILROAD R.O.W.
 48.80 ACRES NET

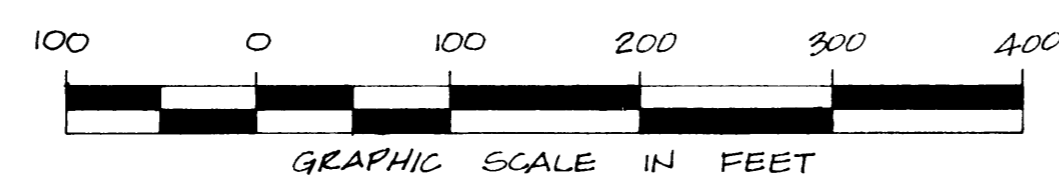
LITTORAL OWNER:
 ALVIN L. NIXON
 P.O. BOX 18553
 CORPUS CHRISTI, TEXAS 78418

I, GEORGE M. PYLE, LICENSED STATE LAND SURVEYOR, DO HEREBY CERTIFY THAT THE FOREGOING SURVEY WAS MADE BY ME ON THE GROUND AND THAT THE LIMITS, BOUNDARIES, AND CORNERS, NATURAL AND ARTIFICIAL ARE AS DESCRIBED HEREON. THE SHORELINE WAS ESTABLISHED AT ELEVATION 1.5 N.G.V.D. WHICH IS THE VEGETATION LINE. TO THE BEST OF MY KNOWLEDGE, THERE IS NO ARTIFICIAL FILL LOCATED WITHIN THE BOUNDARY SURVEYED.

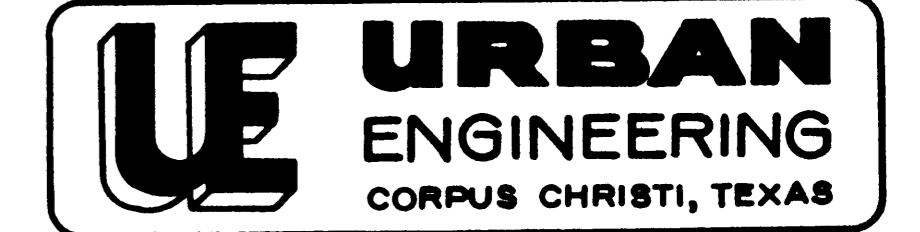
THE 112 ACRE PIECE OF LAND SHOWN ABOVE WAS FORMERLY THE BED OF CAYO DEL OSO, BETWEEN 1961 AND 1968 THIS AREA WAS FILLED WITH EARTH AND SHELL TO CREATE A WELL DRILLING SITE.

BY: George M. Pyle DATE: 8-18-82
 GEORGE M. PYLE, R.P.S., L.S., L.S.

NOTE:
 1) BEARINGS SHOWN ON THIS SURVEY ARE BASED ON THE TEXAS COORDINATE SYSTEM, (SOUTH ZONE)



REV. BY	DATE	DESCRIPTION	APPROVED

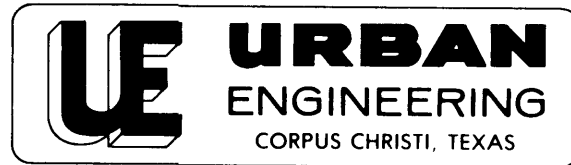


SURVEY OF

THE SOUTHWEST ONE-HALF OF LOTS 16 & 17 AND ALL OF LOTS 18 & 19, SECTION 41, FLOUR BLUFF AND ENCALA FARM AND GARDEN TRACTS, A MAP OF WHICH IS RECORDED IN VOLUME 2, PAGES 41, 42, & 43, MAP RECORDS OF NUECES COUNTY, TEXAS.

DRAWN BY: D.E. SCALE: 1"=100' JOB NO: 10787
 CHKD BY: D.E. DATE: 8-9-82 SHEET: 1 OF: 1

PROJECT SHEET NO. 80
 COUNTY NUECES



P. O. BOX 6355, 2725 SWANTNER
CORPUS CHRISTI, TEXAS 78411 PHONE 854-3101

Job No. 19787

Mr. Herman Forbes
Job No. 19787
Page 2
August 20, 1982

August 20, 1982

Bob Armstrong, Commissioner
General Land Office
1700 North Congress, Room 812
Austin, Texas

Attention: Mr. Herman Forbes
Director, Surveying Division

Report of survey of the shoreline of a 50.59 acre tract of land being the Southwest 1/2 of Lots 16 and 17 and all of Lots 18 and 19, Section 41, Flour Bluff and Encinal Farm and Garden Tracts, Nueces County, Texas.

This tract adjoins the Southeast boundary of Cayo Del Oso State Tract "A" and the owner wishes to obtain General Land Office approval of the shoreline boundary.

Enclosed herewith are a film of the survey and the following exhibits:

- 1) Portion of plat of Flour Bluff & Encinal Farm & Garden Tracts, recorded in Volume A, Pages 41-43 of the Map Records of Nueces County, Texas. This plat was filed for record January 20, 1895 and recorded November 6, 1909.
- 2) Copy of Oso Creek NE, Texas 1951 Quadrangle
- 3) 1958 aerial photo
- 4) Copy of Oso Creek NE, Texas 1968 Quadrangle
- 5) Copy of map showing Exxon wells in Cayo Del Oso
- 6) Copy of surface location of Oso State No. 20

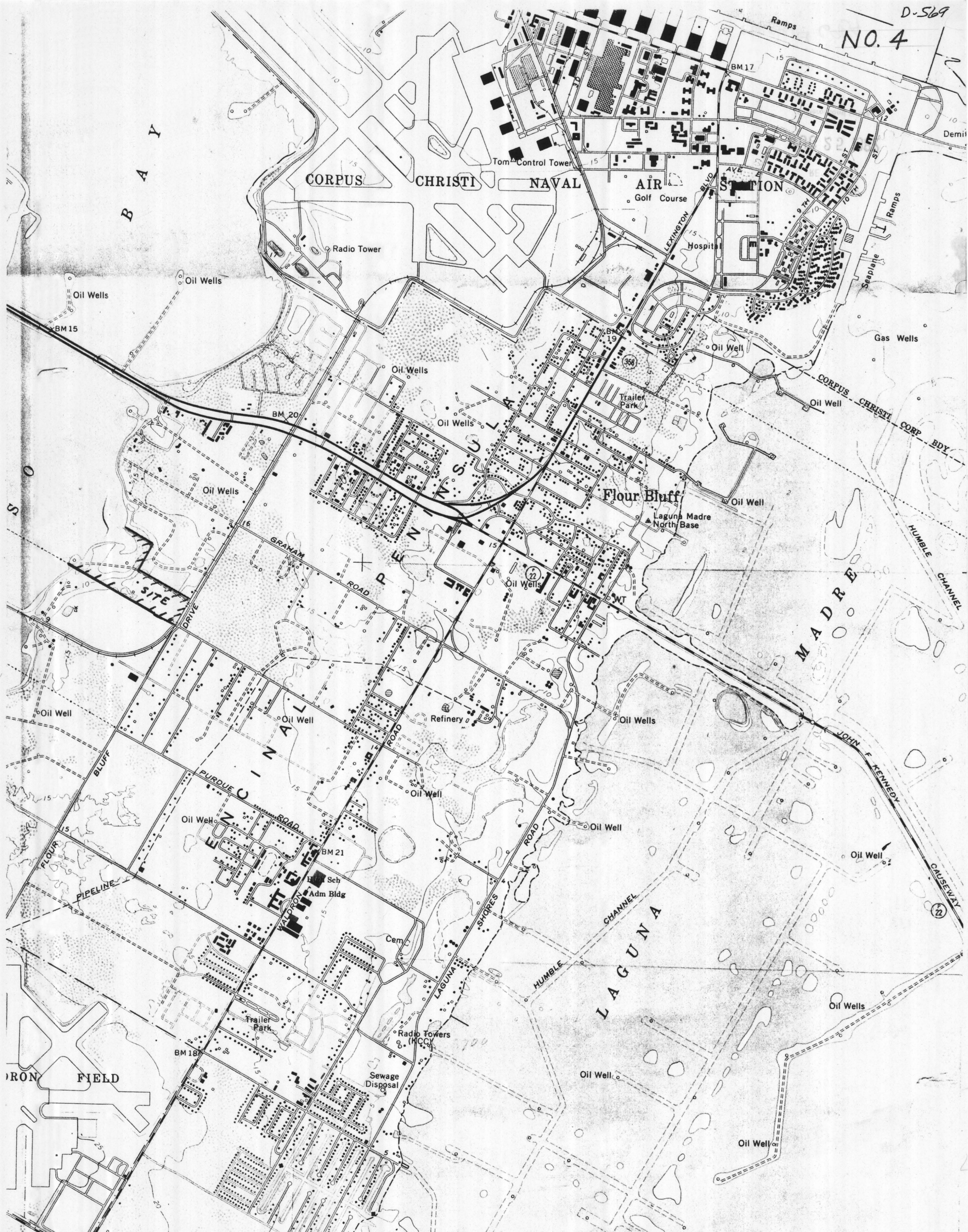
The shoreline of this tract is similar in appearance to three other shorelines you have previously approved and have filed in your file as Nueces County Rolled Sketches 58, 63 and 74. The first two of these you have inspected on the ground. The shoreline on each of these was set on the aquatic vegetation line at elevation 1.5 feet N.G.V.D. and the shoreline of the survey herewith submitted was set the same.

The shoreline of this survey is the natural shoreline of Cayo Del Oso except for a small portion along a 1.12 acre tract of artificially filled land at the West corner of the survey. Between 1951 and 1958 Exxon (formally Humble)

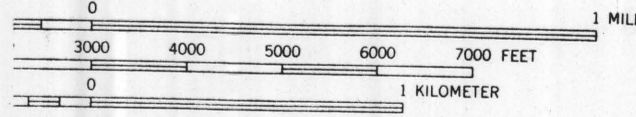
Oil Company filled in a portion of the State owned submerged land to create a well drilling site. The boundary between State owned and privately owned land along this portion was determined by using the 1951 shoreline (Exhibit 2), the shoreline shown on Exhibit No. 5 and the oil well location for well No. A-20 filed with the Railroad Commission (Exhibit No. 6). This well is plugged below ground but there is a sign marking it on the site. The location (surface) is given in the lease as being S61°E, 20' from well No. A-19, 141 feet Northeast of the Southwest line of Section 41 extended, F.B. & E.F. & G. Tracts and 105' Northwest of the Southeast line of Tract A which is the shoreline. The shoreline immediately Southwest of this area has been reworked so the natural shoreline at 1.5 feet could not be located on the ground. I set this shoreline point 2640 feet from the section at the railroad track West of Flour Bluff Drive. This distance is slightly less than the distance scaled on the 1951 Quadrangle between the shoreline and the section line. From that point I used the scaled angle from the 1951 Quadrangle for the first leg of my shoreline. This line calculates to be 98 feet from well No. A-20 or within 7 feet of lease description. The shoreline on the survey is as close to the natural shoreline as can be determined.

George M. Pyle
R.P.S.-L.S.L.S

GMP/crm

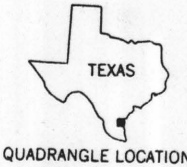


667 668 17'30" 669 670 671
 (PITA ISLAND) 6539 III SE
 SCALE 1:24000
 INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA—1977
 672000m.E 97°



OUR INTERVAL 5 FEET
 ETIC VERTICAL DATUM OF 1929
 DINGS IN FEET—DATUM IS MEAN LOW WATER
 NTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 RANGE OF TIDE IS NEGLIGIBLE

I NATIONAL MAP ACCURACY STANDARDS
 ENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 C MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

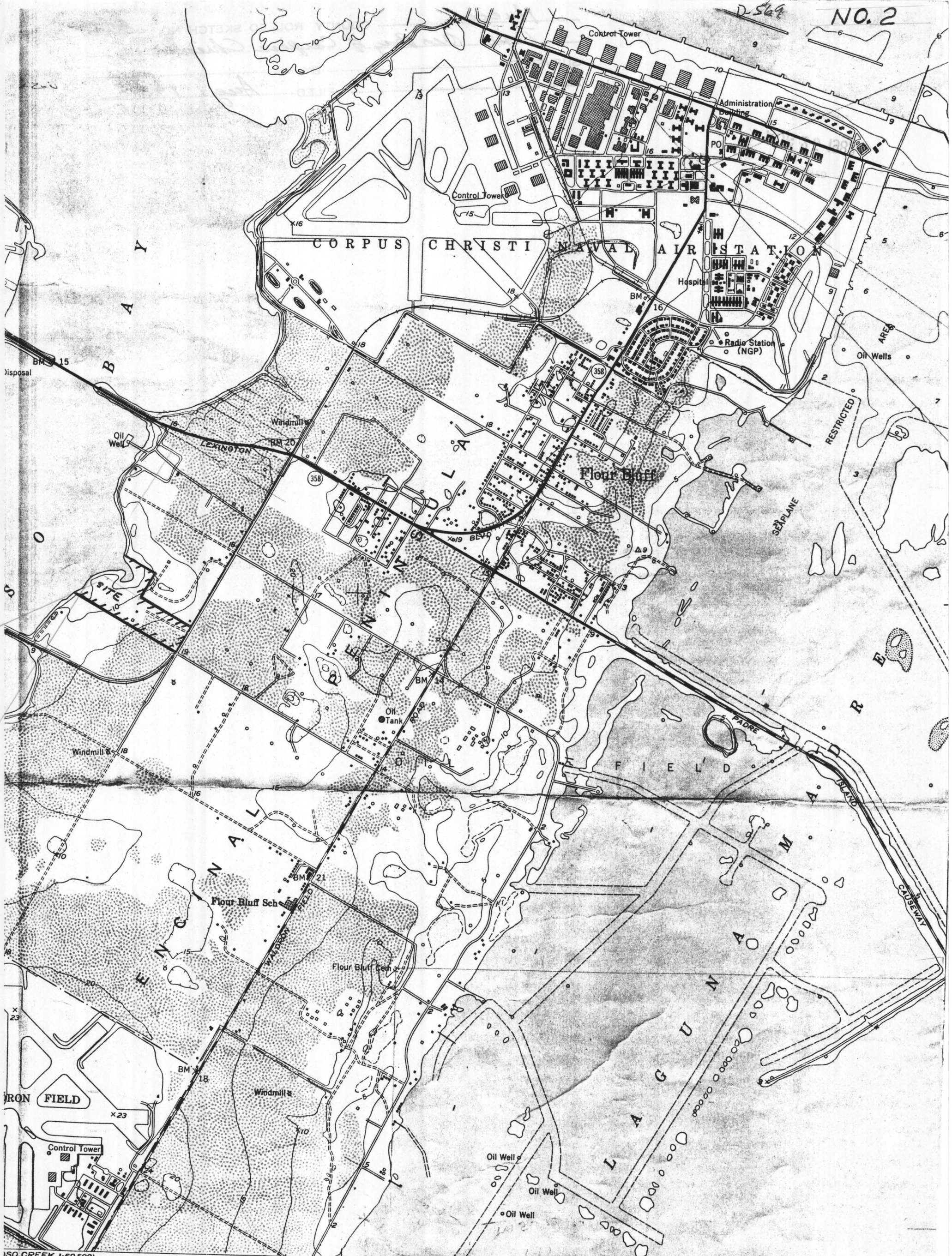


ROAD CLASSIFICATION
 Primary highway, all weather, hard surface
 Secondary highway, all weather, hard surface
 Light-duty road, all weather, improved surface
 Unimproved road, fair or dry weather
 State Route

OSO CREEK NE, TX
 NE/4 OSO CREEK 15' QUADRANGLE
 N2737.5—W9715/7.5

1968
 PHOTOREVISED 1975
 AMS 6539 III NE—SERIES

FILED 8-25-75
 SURVEYED BY
 CORPUS CHRISTI
 COMMA NOTED PLOTCH NO 7808

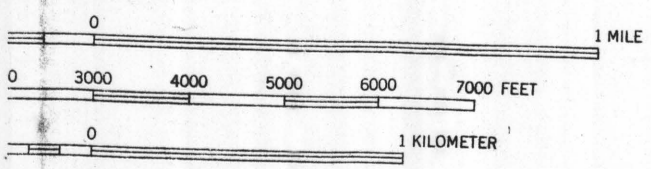


OSO CREEK 1:62 500

17'30"

INTERIOR GEOLOGICAL SURVEY, WASHINGTON, D. C. 1953

SCALE 1:24000



CUR INTERVAL 5 FEET
 M IS MEAN SEA LEVEL
 DINGS IN FEET—DATUM IS MEAN LOW WATER
 VTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 GE OF TIDE IS APPROXIMATELY 1 FOOT
 TH NATIONAL MAP ACCURACY STANDARDS
 RAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
 IC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

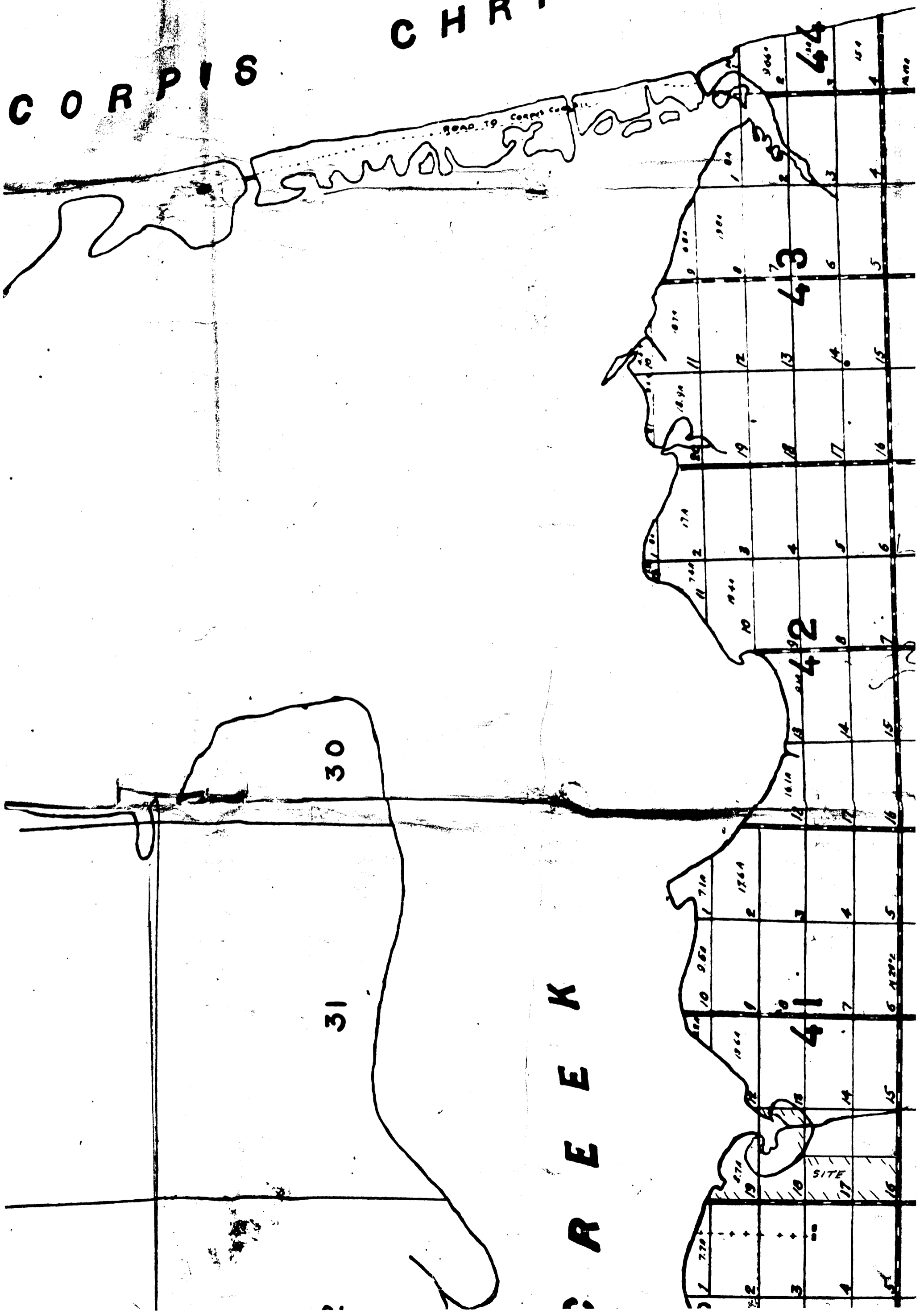
Heavy-duty	4 LANE 16 LANE	Light-duty
Medium-duty	4 LANE 16 LANE	Unimproved dirt

U. S. Route State Route

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

1951

CORPUS CHRISTI



COMPANY LOCATION APPROVAL

NAME OF LOCATION OSO STATE "A" #20 (DEVIATED) (REVISED) SUNRAY INTEREST 25%
HUMBLE INTEREST 75%

(COMPLETION BASED ON HOMCO DIRECTIONAL DRILLING SURVEY REPORT)

DESCRIPTION:

A regular 6850' budgeted Flour Bluff Field well, in State Tract "A", Cayo Del Oso, Nueces County, Texas, Lease #121023 (State #30037), the center of perforations for production at a True Vertical Depth of 6578' (6687.0 measured depth) is located 772' southeast of Oso State "A" #18 (bottom hole) and 911' northeast of Oso State "A" #10 (surface location); also being approximately 420' northwest of the southeast line of the lease (shoreline of the Cayo Del Oso) and N 25° 36' E a distance of 907.0 feet from the surface location of Oso State "A" #20 which is located S 61° E a distance of 20 feet from Oso State "A" #19 (surface location), 141' northeast of the southwest line of Section 41 (extended) Flour Bluff and Encinal Farm and Garden Tracts and 105' northwest of the southeast line of the lease (shoreline of the Cayo Del Oso).

DESCRIPTION CHECKED BY	<u>David E. Galloway</u> Supervising Engineer (Civil)	DATE	<u>1-2-64</u>
TITLE APPROVAL	<u>J.H. Moor</u> Area Landman	DATE	<u>1-6-64</u>
PRODUCTION APPROVAL	_____	DATE	_____
EXPLORATION APPROVAL	_____	DATE	_____
NON-ROUTINE LOCATION	_____	DATE	_____

Houston Approval

(208Ac.)

Humble - 3/4
Sunray - 1/4

41

Mrs. Howard Duncan

Humble - 3/4
Sunray - 1/4

Marile Grace Graham

State - 33163

Humble - 3/4
Sunray - 1/4

Fowler Cowart

Humble - 3/4
Sunray - 1/4

W C Love

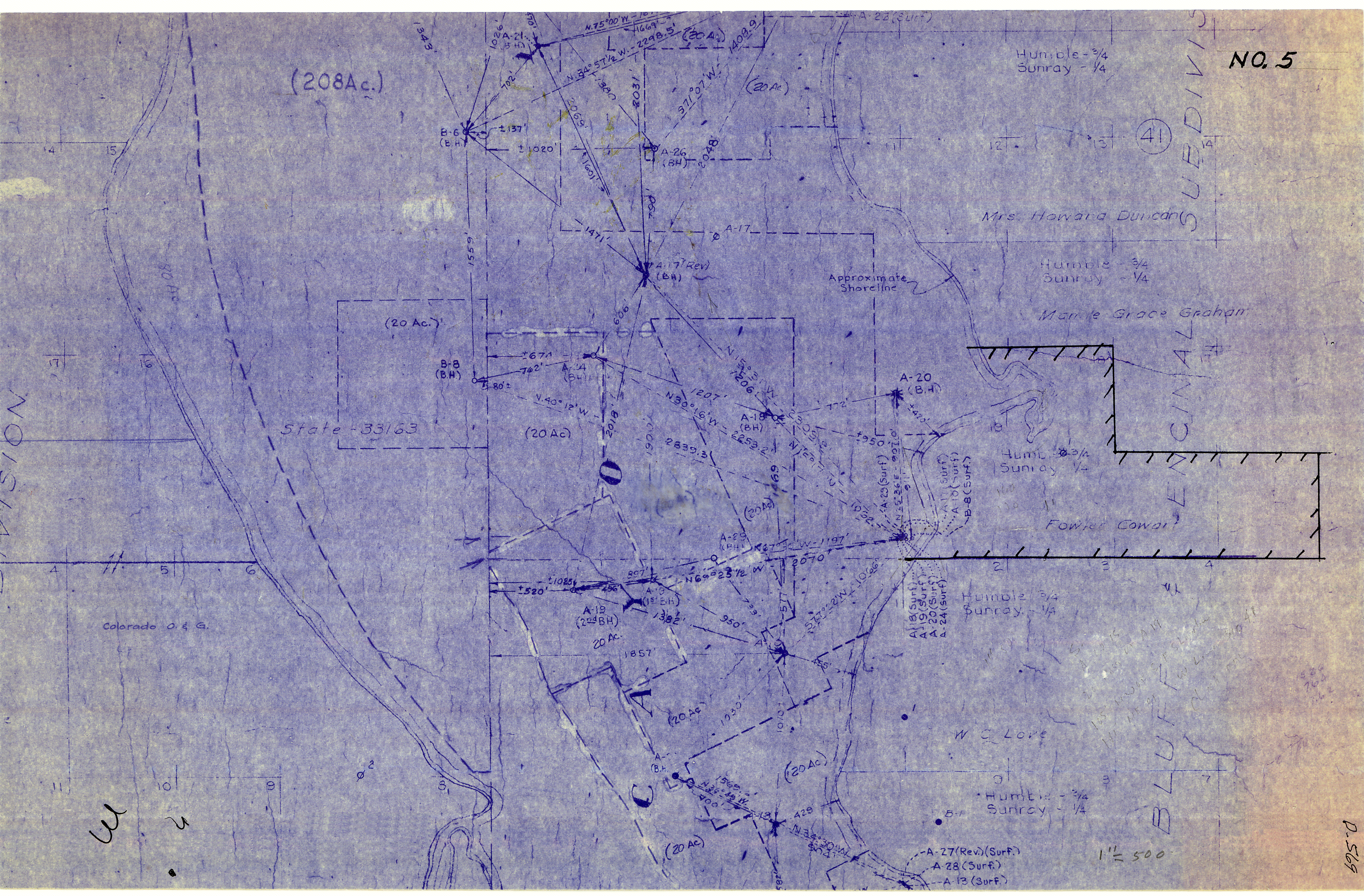
Humble - 3/4
Sunray - 1/4

A-27(Rev)(Surf.)
A-28(Surf.)
A-13(Surf.)

1" = 500'

NO. 5

BLUFF CREEK DIVISION



842-1-6

NO. 3

SITE

