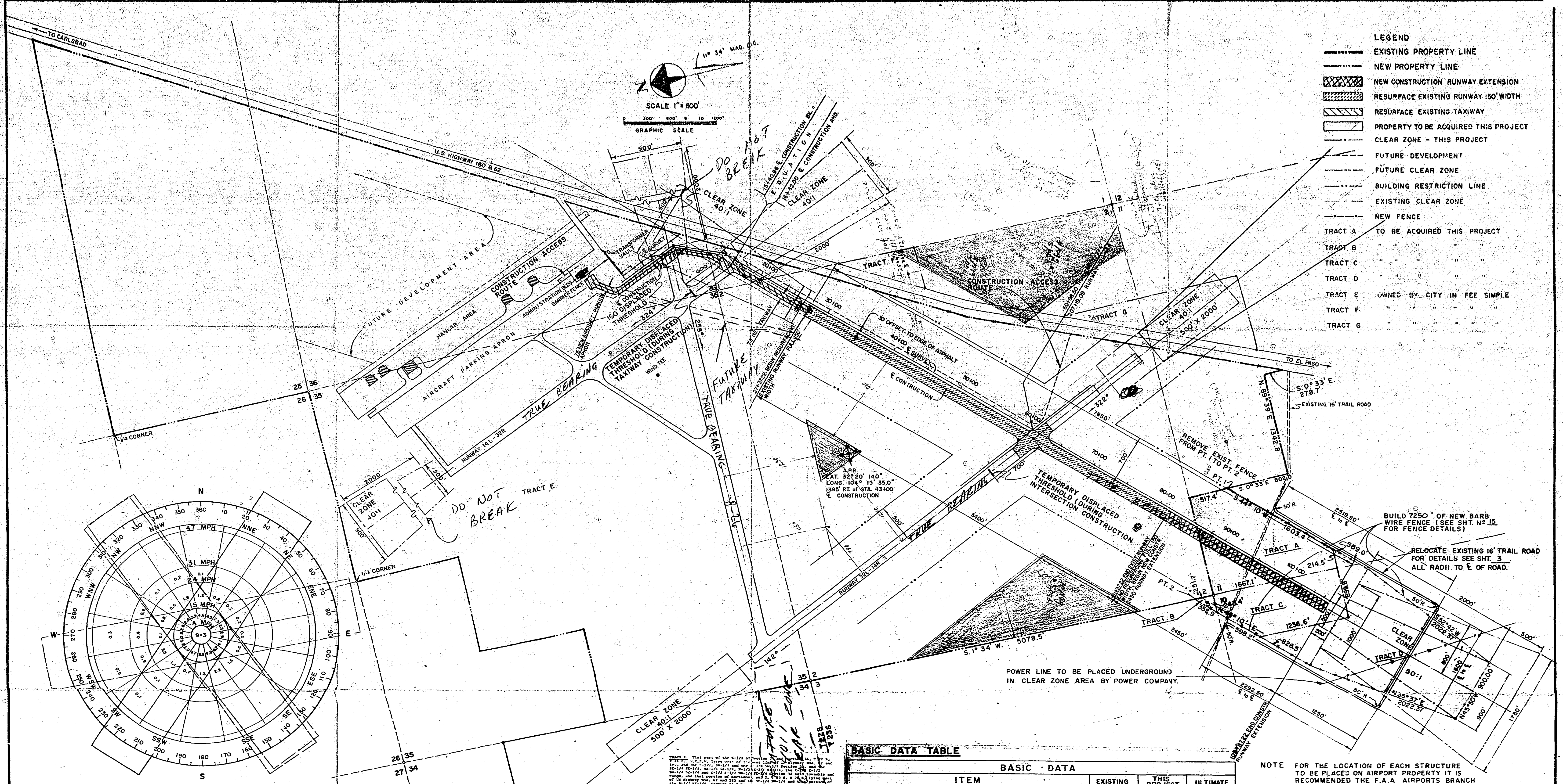
Case No.
4398

Large Exhibits

[illegible] MICROGRAPHICS
BEST AVAILABLE COPY

Do not remove from files   Case 4378


TO CARLSBAD
U.S. HIGHWAY 180 & 62
TO EL PASO
11° 34' MAG. DEC.
N
SCALE 1" = 600'
GRAPHIC SCALE
0 300' 600' 1200' 1800'
FUTURE DEVELOPMENT AREA
HANGAR AREA
AIRCRAFT PARKING APRON
CONSTRUCTION ACCESS ROUTE
ADMINISTRATION BUILDING
RUNWAY 14L-32R
CLEAR ZONE 40:1
CLEAR ZONE 40:1 500' X 2000'
CLEAR ZONE 50:1
DO NOT BREAK
FUTURE TAXIWAY
TRUE BEARING
TEMPORARY DISPLACED THRESHOLD (DURING TAXIWAY CONSTRUCTION)
TEMPORARY DISPLACED THRESHOLD (DURING INTERSECTION CONSTRUCTION)
CONSTRUCTION ACCESS
A.R.P. LAT. 32° 20' 14.0" LONG. 104° 15' 35.0"
TRACT A
TRACT B
TRACT C
TRACT D
TRACT E
TRACT F
TRACT G
1/4 CORNER
25 36
26 35
26 35 / 27 34
35 2 / 34 3
T22S T23S
EXISTING 16' TRAIL ROAD
S. 0° 33' E. 278.7
N. 89° 39' E.
REMOVE EXIST. FENCE
N35°37'E 2022.37
N45°50'W 900.00'
2292.50 ℄ to ℄
10+87.22 END CONSTR. RUNWAY EXTENSION
S.1° 34' W. 2078.5
1250'
1780'
900'
N
S
E
W
NNE
NNW
SSE
SSW
SE
SW
47 MPH
31 MPH
15 MPH
9.3

WIND ROSE — 15 MPH (13.2 KNOTS)
SEPT. 1943 - SEPT. 1945 - WIND DATA
26,617 OBSERVATIONS
CALMS 0-4 MPH 9.3%

POWER LINE TO BE PLACED UNDERGROUND IN CLEAR ZONE AREA BY POWER COMPANY.

BUILD 7250' OF NEW BARB WIRE FENCE (SEE SHT. No 15 FOR FENCE DETAILS)

RELOCATE EXISTING 16' TRAIL ROAD FOR DETAILS SEE SHT. 3 ALL RADII 10' ℄ OF ROAD.

LEGEND

▬ · · · ▬	EXISTING PROPERTY LINE
— · · · —	NEW PROPERTY LINE
▩	NEW CONSTRUCTION RUNWAY EXTENSION
▨	RESURFACE EXISTING RUNWAY 150' WIDTH
▧	RESURFACE EXISTING TAXIWAY
☐	PROPERTY TO BE ACQUIRED THIS PROJECT
—— · ——	CLEAR ZONE - THIS PROJECT
— — — —	FUTURE DEVELOPMENT
——— - - ——	FUTURE CLEAR ZONE
—— · · ——	BUILDING RESTRICTION LINE
—— - ——	EXISTING CLEAR ZONE
—x——x—	NEW FENCE
TRACT A	TO BE ACQUIRED THIS PROJECT
TRACT B	" " " " "
TRACT C	" " " " "
TRACT D	" " " " "
TRACT E	OWNED BY CITY IN FEE SIMPLE
TRACT F	" " " " " "
TRACT G	" " " " " "

WIND ROSE COVERAGE

RUNWAY (S)	TOTAL % COVERAGE
3 - 21	90.4
8 - 26	92.7
14R - 32L	91.4
14L - 32R	91.4
3 - 21 8 - 26	96.0
3 - 21 14L-R - 32 L-R	96.3
8 - 26 14L-R - 32 L-R	97.6

RUNWAY LIGHTING

RUNWAY	EXIST.	FUTURE
3-21	M.I	MI
14R - 32L	MI	MI
14L - 32R	NONE	
8 - 26	NONE	

TRACT E: That part of the S-1/2 of Section [illegible] and Section 34, T 22 S., R 26 E., N.M.P.M., lying west of the west line of US Highway Nos. 62 and 180, and the E-1/2, SW-1/4 and the [illegible] Section 33, and the SE-1/4 SE-1/4, NE-1/4 SE-1/4, N-1/2 [illegible] SE-1/4, the E-1/2 E-1/2 SW-1/4 SE-1/4 and E-1/2 E-1/2 SW-1/4 SE-1/4 Section 34 said township and range, and that portion of Sections [illegible] and 2, T 23 S., R 26 E., lying west of US Highway Nos. 62 and 180 and the SE-1/4 NW-1/4 and that portion of the W-1/2 NE-1/4, Section 11 lying west of the west line of US Highway Nos. 62 and 180. Said tract contains [illegible] acres more or less.

TRACT F: That part of the NE-1/4 Section 2, T 23 S., R 26 E., lying east of the east line of U. S. Highway Nos. 62 and 180. Said tract contains 6.56 acres more or less.

TRACT G: That part of the NW-1/4 NE-1/4 Section 11 and that part of the [illegible] SE-1/4 Section 2, T 23 S., R 26 E., lying east of the east line of US Highway Nos. 62 and 180. Said tract contains [illegible] acres more or less.

TRACT A: Beginning at the NW Corner of Section 11, T 23 S., R 26 E., N.M.P.M., thence east along the section line to the NE corner of the NW-1/4 NW-1/4 of the said section; thence south along the east line of the said NW-1/4 NW-1/4 a distance of 517.4 feet; thence S 44° 10' E a distance of 1603.4 feet to a point on the south line of the N-1/2 N-1/2 NW-1/4 [illegible] of said section; thence west along the south line of the said N-1/2 N-1/2 [illegible] a distance of 214.5 feet to the SW corner of the said N-1/2 N-1/2 NW-1/4 NW-1/4; thence north along the west line of the said section 11 a distance of 1667.1 feet more or less to the point of beginning. The said tract contains 36.5 acres more or less.

TRACT B: Beginning at the SE Corner of Section 3, T 23 S., R 26 E., N.M.P.M.; thence west along the section line a distance of 243.4 feet; thence N 44° 10' E a distance of 332.9 feet to a point on the east line of the said section 3; thence south along the east line of the said section a distance of 231.7 feet to the point of beginning. The said tract contains 0.67 acres more or less.

TRACT C: Beginning at the NE Corner of Section 10, T 23 S., R 26 E., N.M.P.M., thence west along the section line a distance of 243.4 feet; thence S 44° 10' W, a distance of [illegible] feet to a point on the west line of the E-1/2 NE-1/4 NE-1/4 of the said Section 10 that is 430.7 feet south of the NW Corner of the said E-1/2 NE-1/4 NE-1/4; thence S along the west line of the E-1/2 NE-1/4 NE-1/4 a distance of 1236.4 feet to the SW corner of the [illegible] of said section 10; thence east along the south line of the said [illegible] to the SE corner of the said [illegible]; thence north along the east line of the said section 10 a distance of 1667.1 feet more or less to the point of beginning. Said tract contains 23 acres more or less.

TRACT D: Beginning at a point on the east line of the W-1/2 NE-1/4 NE-1/4 of Section 10, T 23 S., R 26 E., 430.7 feet south of the NE corner of the said W-1/2 NE-1/4 NE-1/4; thence S 44° 10' West a distance of [illegible] feet; thence S [illegible] a distance of 2022.37 feet; thence S 45° 50' East a distance of 900 feet; thence [illegible] a distance of 2022.37 feet; thence North 44° 10' E a distance of [illegible] feet to the south line of the [illegible] of Section 11, T 23 S., R 26 E., N.M.P.M.; thence west along the south line of the said [illegible] to the [illegible] corner of the said [illegible]; thence north along the east line of the [illegible] of the said section 10 a distance of 1236.4 feet more or less to the point of beginning. Said tract contains 44.8 acres more or less.

BASIC DATA TABLE

BASIC DATA		EXISTING	THIS PROJECT	ULTIMATE
ITEM				
AIRPORT ELEVATION FEET M.S.L.		3,276	3,276	3,276
AIRPORT SERVICE CATEGORY - LOCAL CARRIER		——	——	——
PRIMARY RUNWAY 150 + 3276 3426' AMSL – Max. height permitted within 7000' of ARP (Ko-iz)	- ALIGNMENT NUMBER	3-21	3-21	3-21
	- LENGTH & WIDTH	6,619' X 150'	7850' X 150'	7850' X 150'
	- EFFECTIVE GRADIENT (ERG) %	00.05	00.06	00.06
	- WIND COVERAGE, %	90.4	90.4	90.4
	- LONGEST (YES) (NO)	YES	YES	YES
	- DESIGNATED INSTRUMENT	NONE	NONE	YES
	- ALIGNMENT NUMBER	14R-32L	14R-32L	14R-32L
	- LENGTH & WIDTH	5,791' X 150'	5,791' X 150'	5,791' X 150'
	- EFFECTIVE GRADIENT (ERG) %	00.05	00.05	00.05
	- WIND COVERAGE, %	91.4	91.4	91.4
	- LONGEST (YES) (NO)	NO	NO	NO
	- DESIGNATED INSTRUMENT	NONE	NONE	NONE
	- ALIGNMENT NUMBER	8-26	8-26	8-26
	- LENGTH & WIDTH	5,480' X 150'	5,480' X 150'	5,480' X 150'
	- EFFECTIVE GRADIENT (ERG) %	00.05	00.05	00.05
	- WIND COVERAGE, %	92.7	92.7	92.7
	- ALIGNMENT NUMBER	14L-32R	14L-32R	14L-32R
	- LENGTH & WIDTH	4,705' X 150'	4,705' X 150'	4,705' X 150'
	- EFFECTIVE GRADIENT (ERG) %	00.02	00.02	00.02
	- WIND COVERAGE, %	91.4	91.4	91.4
MEAN MAX. TEMP. OF HOTTEST MONTH, °F		97%	97%	97%
CRITICAL AIRCRAFT	- FOR RUNWAY LENGTH	CONV. 600	DC-9-10	
	- FOR PAVEMENT STRENGTH	CONV. 600	DC-9-10	

NOTE FOR THE LOCATION OF EACH STRUCTURE TO BE PLACED ON AIRPORT PROPERTY IT IS RECOMMENDED THE F.A.A. AIRPORTS BRANCH OR ITS SUCCESSOR BE CONTACTED FOR ADVICE AND GUIDANCE.

FEDERAL AVIATION ADMINISTRATION
Albuquerque Area Office

APPROVED:
5/8/70 Bill
Date Chief, Airports Branch

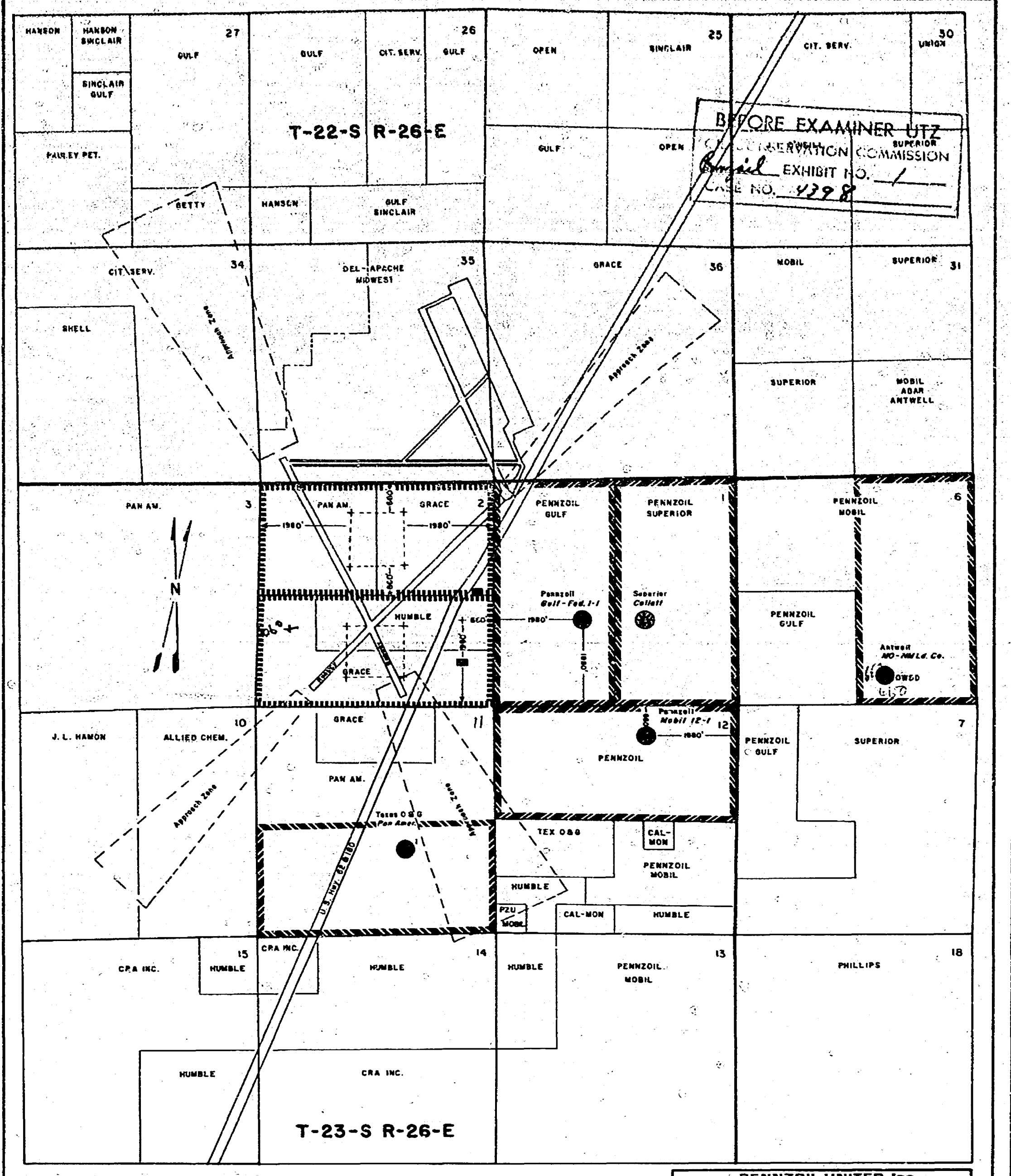
This approval does not imply eligibility or availability of FAAP funds for any proposed development shown nor does it relieve the airport owner of the responsibility of submitting an FAA Form 117 prior to the construction of any structure on airport property.

BEFORE EXAMINER UTZ
[illegible] EXHIBIT NO. 9
CASE NO. 4378

F.A.A. PROJ. NO. 9-29-019-7004		
LAYOUT PLAN		
CARLSBAD, NEW MEXICO CAVERN CITY AIR TERMINAL		
D. F. MOLZEN & ASSOCIATES *Consulting Engineers* ALBUQUERQUE NEW MEXICO		
Drawn A.S. - O.G.	Checked A.D.C.	Sheet 1 of 22
File 58-10	Date APRIL 1970	

0392-849 14-511

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Pennzoil EXHIBIT NO. 1
CASE NO. 4398



T-22-S R-26-E
T-23-S R-26-E
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12
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15
14
13
18
HANSON
HANSON SINCLAIR
SINCLAIR GULF
GULF
CIT. SERV.
OPEN
SINCLAIR
UNION
SUPERIOR
PAULEY PET.
BETTY
HANSEN
GULF SINCLAIR
SHELL
DEL-APACHE MIDWEST
GRACE
MOBIL
MOBIL ASAP ANTWELL
PAN AM.
PENNZOIL GULF
PENNZOIL SUPERIOR
PENNZOIL MOBIL
HUMBLE
J. L. HAMON
ALLIED CHEM.
PENNZOIL
TEX O&G
CAL-MON
PENNZOIL MOBIL
CRA INC.
PHILLIPS
Approach Zone
N

- ▨ Proration Unit Outlines
- ⦙ Proposed Proration Unitline
- + Standard 320 Acre Drillsites
- ▣ Proposed Unorthodox Location
- ⊛ Strawn
- ● Atoka
- ● Morrow

3 #1

PENNZOIL UNITED, Inc.
WESTERN DIVISION PENNZOIL MIDLAND, TEXAS

CARLSBAD, SOUTH AREA
EDDY COUNTY, NEW MEXICO

SCALE: 1" = 2000' JULY, 1970