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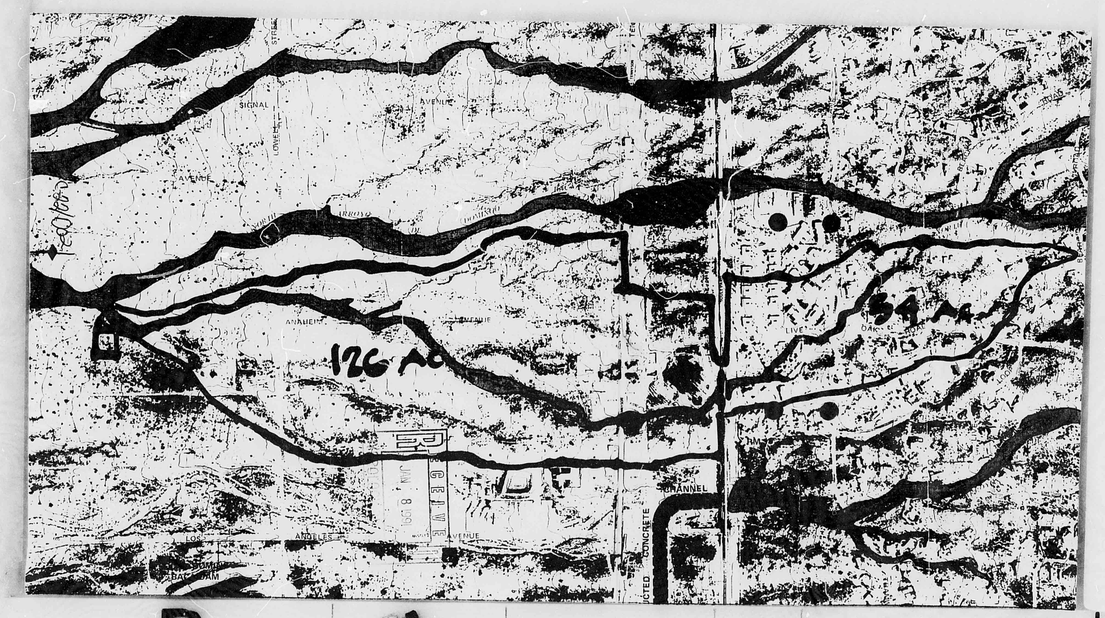


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R# 21 DATE 6-23-92 OP. EJP

CITY OF ALBUQUERQUE

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Karen Acree
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NORBERTA SANCHEZ
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PLANS/PLATS ON FILE

FILE DESC: C-22/D021

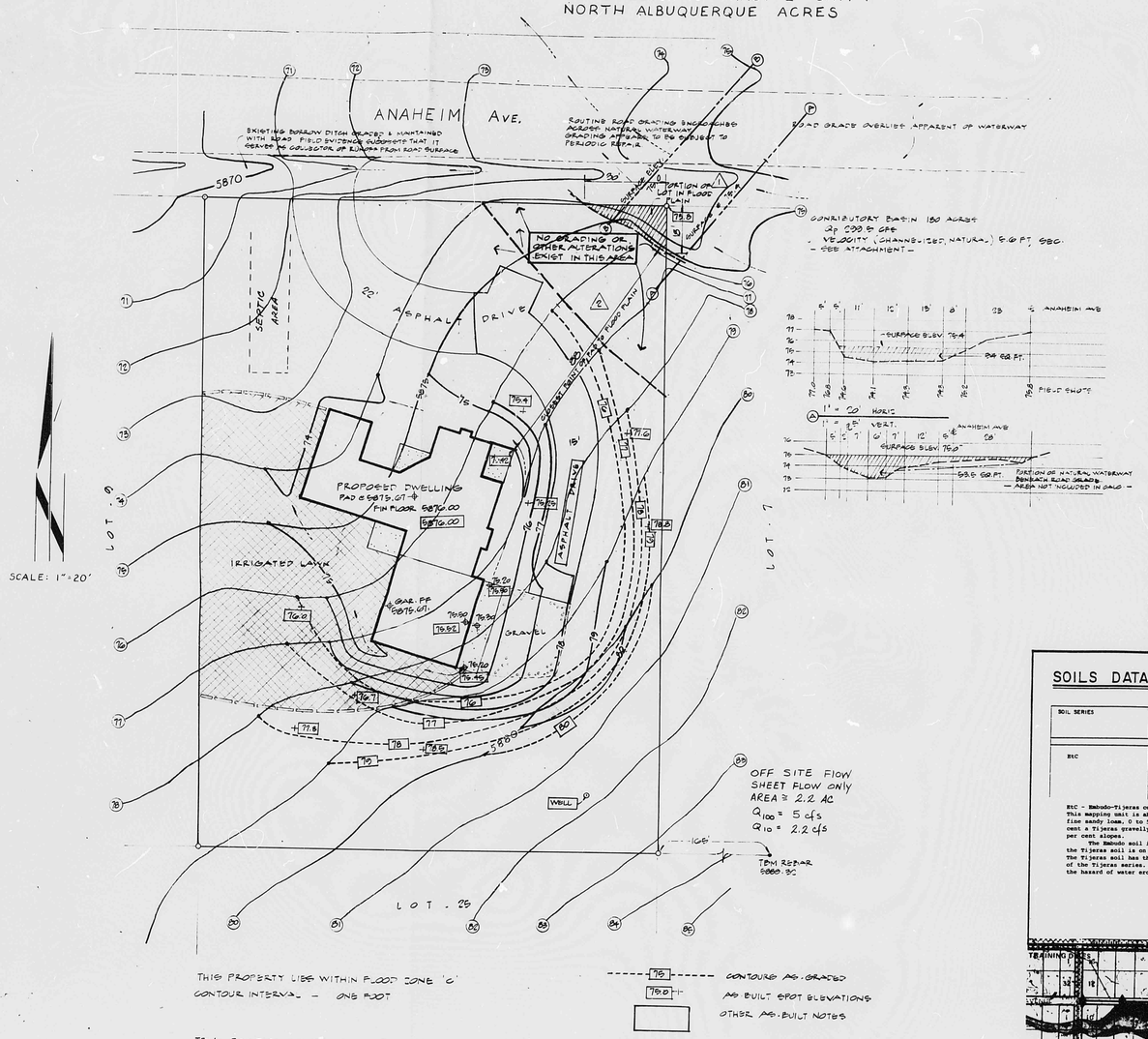
# PLANS/PLATS 2

CITY OF ALBUQUERQUE

C

# FLOOD PROTECTION MAP

LOT 8 BLOCK 16 TRACT 2 UNIT 1
NORTH ALBUQUERQUE ACRES




THIS PROPERTY LIES WITHIN FLOOD ZONE 'C'
CONTOUR INTERVAL - ONE FOOT

TBM: FOUND SE CORNER OF LOT 7, REBAR, ELEV. 5000.30

CONTOURS AS-GRADED
AS BUILT SPOT ELEVATIONS
OTHER AS-BUILT NOTES

AS-BUILT INFORMATION SHOWN HEREON IS DERIVED FROM FIELD NOTES OR A SURVEY PERFORMED ON JULY 18, 1991.

I, RICHARD V. HALL, CERTIFY THAT THE GRADING AND CONSTRUCTION PERFORMED ON THIS SITE IS IN CONFORMANCE WITH THE SUBMITTED PLAN AND THAT THE FINISH FLOOR ELEVATION IS CORRECT AS SHOWN

Richard Hall

## CONTROL STATION DATA

City of Albuquerque, New Mexico
Municipal Development
Engineering Division

Name of Station 2-C21 State NM Co. Bernalillo
Establishing Agency ACS Year 1986 Chief of Party R. Dorman
Section 16 Township 11N Range 4E Map No. C-21

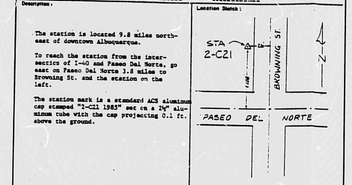
Description:

The station is located 9.8 miles northeast of downtown Albuquerque.

To reach the station from the intersection of I-40 and Paseo Del Norte, go east on Paseo Del Norte 3.8 miles to Browning St. and the station on the left.

The station mark is a standard ACS aluminum cap stamped "2-C21 1983" set in a 24" aluminum cube with the cap projecting 0.1 ft. above the ground.

Location Sketch:




HORIZONTAL DATA

FIELD METHOD: ☒ Traverse ☐ Intersection ☐ Triangulation

GEOGRAPHIC POSITION (NAD 1927) 2nd -order

Latitude 35° 10' 28.604" Longitude 106° 30' 55.045"

PLANE COORDINATES Projection CM State N M Zone Central

X 420,720.10 Y 1,518,901.78 Grid -to-Grid Factor 0.9996282

ELEVATION DATA

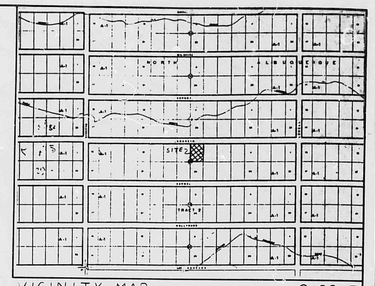
SPIRIT LEVEL ELEVATION (SLD 1929) Feet _____ Meters _____ -Order

TRIGONOMETRIC ELEVATION Feet 5834.1 Meters 1778.23

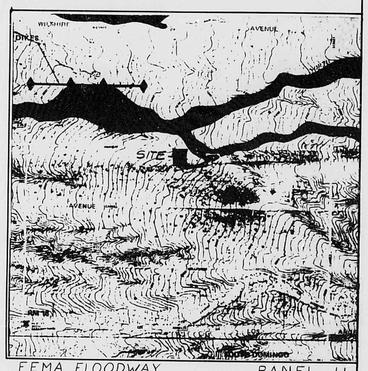
## DRAINAGE DATA

| CONDITION | STORM RETURN PERIOD TBL 4 YEAR | TREATMENT TYPE | TREATMENT AREA SQ.FT. | EXCESS PRECEP TBL 8 IN. | PEAK RUNOFF TBL 9 CFS/AC | RUNOFF VOLUME CU.FT. | RUNOFF RATE CFS |
|---|---|---|---|---|---|---|---|
| EXISTING | 100 | A | 38610 | 0.66 | 2.26 | 2124 | 2.0 |
| | 10 | A | 38610 | 0.27 | 0.99 | 869 | 0.8 |
| DEVELOPED | 100 | A | 20480 21685 | 0.66 | 2.26 | 1126 1193 | 1.13 1.06 |
| | 100 | B | 10956 6650 | 0.85 | 3.05 | 711 471 | 0.46 .70 |
| | 100 | C | 1120 3075 | 1.13 | 3.94 | 100 290 | 0.28 .10 |
| | 100 | D | 6875 7200 | 2.57 | 5.74 | 1494 1542 | 0.95 .92 |
| DEVELOPED | 10 | A | 20480 21685 | 0.27 | 0.99 | 420 488 | 0.49 .46 |
| | 10 | B | 10956 6650 | 0.38 | 1.61 | 518 211 | 0.25 .37 |
| | 10 | C | 1120 3075 | 0.55 | 2.29 | 51 141 | 0.16 .06 |
| | 10 | D | 6875 7200 | 1.60 | 3.91 | 750 960 | 0.65 .63 |
| TOTAL | 100 | | 38610 | | | 3437 3496 | 2.82 2.76 |
| | 10 | | | | | 1700 1800 | 1.55 1.52 |

NOTES
1. There is a flow increase of 0.82 and 0.75 cfs for the 100 year and 10 year storms respectively. The 6 hour runoff volumes for the two storms increase by 1372 and 931 cubic feet.
2. Runoff fromthis site will enter adjoining site to the west in sheet flows. No discernible concentration points exist.
3. This site is designed to accept sheet flows from the lots to the east and south.
4. This site lies in Zone "C" according to Flood Insurance Rate Map, Panel 11 of 50, dated October 14, 1983.
5. Erosion control will be the responsibility of the homeowner and he shall treat all disturbed areas with suitable landscaping.




VICINITY MAP C-22-Z

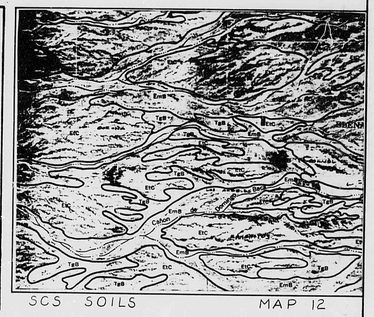



FEMA FLOODWAY PANEL 11

## SOILS DATA

| SOIL SERIES | DEPTH TO BED ROCK | DEPTH TO SEASONAL HIGH WATER | DEPTH FROM SURFACE | % PASSING SIEVE NO.4 | NO.10 | NO.40 | NO.200 | LIQUID LIMIT | PLASTICITY INDEX | PERMEABILITY | SHRINK-SWELL POTENTIAL | DEGREE AND KIND OF LIMITATIONS SEPTIC TANK ABSORPTION FIELD | SMALL WELL WITHOUT BASEMENT | LOCAL ROADS | HYDROLOGIC SOIL GROUP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | - | - | - | - | - | - | - | - | - | - | - | |
| EEC | 5 | 5 | 0-20 | 85-95 | 70-85 | 40-75 | 25-50 | NP | NP | 0.6-0.. | L~ | slight | Slight | Slight | B |

EEC - Embudo-Tijeras complex, 0 to 9 per cent slopes.
This mapping unit is about 50 per cent an Embudo gravelly fine sandy loam, 0 to 5 per cent slopes, and about 35 per cent a Tijeras gravelly fine sandy loam that has 1 to 9 per cent slopes.
The Embudo soil is in drainageways and depressions, and the Tijeras soil is on low ridges in narrow undulations. The Tijeras soil has the profile described as representative of the Tijeras series. On both soils, runoff is medium and the hazard of water erosion is moderate.


Tef
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# FLOOD PROTECTION MAP
LOT 8 BLOCK 16 TRACT 2 UNIT 1
NORTH ALBUQUERQUE ACRES

## CONTROL STATION DATA

City of Albuquerque, New Mexico
Municipal Development
Engineering Division

Name of Station: 2-C21 State: NM Co. Bernalillo
Establishing Agency: ACS Year: 1985 Chief of Party: R. Harmon
Section: 10 Township: 11N Range: 3E Map No.: C-21

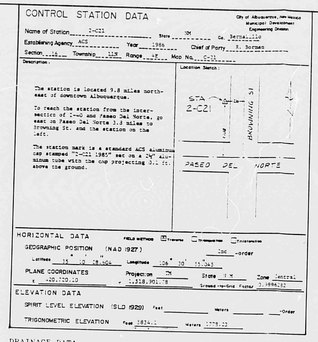
Description:

The station is located 9.8 miles northeast of downtown Albuquerque.

To reach the station from the intersection of I-25 and Paseo del Norte, go east on Paseo del Norte 3.0 miles to Browning St. and the station on the left.

The station mark is a standard ACS Aluminum cap stamped "2-C21 1985" set on a 24" Aluminum tube with the cap projecting 0.1 ft. above the ground.

Location Sketch:




HORIZONTAL DATA — FIELD METHOD: ☒ Traverse ☐ Triangulation ☐ Trilateration

GEOGRAPHIC POSITION (NAD 1927) — ☐ 1st-order ☒ 2nd-order

Latitude 35° 12' 0.8" N Longitude 106° 10' 15.34" W

PLANE COORDINATES — Projection: TM State: N.M. Zone: Central

E 490,720.10 N 1,518,901.78 Scale Factor Found: 0.9996232

ELEVATION DATA

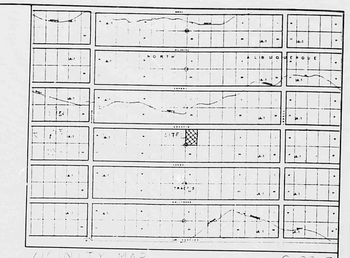
SPIRIT LEVEL ELEVATION (SLD 1929) Feet _____ Meters _____ ☐ 1st-Order ☐ 2nd-Order

TRIGONOMETRIC ELEVATION Feet 5834.1 Meters 1778.33

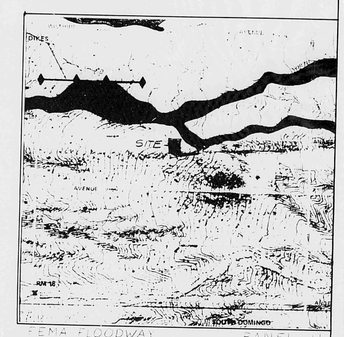
## DRAINAGE DATA

| CONDITION | STORM RETURN PERIOD TBL 4 YEAR | TREATMENT TYPE | TREATMENT AREA SQ.FT. | EXCESS PRECIP TBL 8 IN. | PEAK RUNOFF TBL 9 CFS/AC | RUNOFF VOLUME CU.FT. | RUNOFF RATE CFS |
|---|---|---|---|---|---|---|---|
| EXISTING | 100 | A | 38610 | 0.66 | 2.26 | 2124 | 2.0 |
| | 10 | A | 38610 | 0.27 | 0.99 | 869 | 0.8 |
| DEVELOPED | 100 | A | 21685 | 0.66 | 2.26 | 1193 | 1.13 |
| | 100 | B | 6650 | 0.85 | 3.05 | 473 | 0.46 |
| | 100 | C | 3075 | 1.13 | 3.94 | 290 | 0.28 |
| | 100 | D | 7200 | 2.57 | 5.74 | 1542 | 0.95 |
| DEVELOPED | 10 | A | 21685 | 0.27 | 0.99 | 488 | 0.49 |
| | 10 | B | 6650 | 0.38 | 1.61 | 211 | 0.25 |
| | 10 | C | 3075 | 0.55 | 2.29 | 141 | 0.16 |
| | 10 | D | 7200 | 1.60 | 3.91 | 960 | 0.65 |
| TOTAL | 100 | | 38610 | | | 3496 | 2.82 / 2.38 |
| | 10 | | | | | 1800 | 1.55 / 1.02 |

NOTES
1. There is a flow increase of 0.82 and 0.75 cfs for the 100 year and 10 year storms respectively. The 6 hour runoff volumes for the two storms increase by 1372 and 931 cubic feet.
2. Runoff fromthis site will enter adjoining site to the west in sheet flows. No discernible concentration points exist.
3. This site is designed to accept sheet flows from the lots to the east and south.
4. This site lies in Zone "C" according to Flood Insurance Rate Map, Panel 11 of 50, dated October 14, 1983.
5. Erosion control will be the responsibility of the homeowner and he shall treat all disturbed areas with suitable landscaping.




VICINITY MAP 0-22-Z



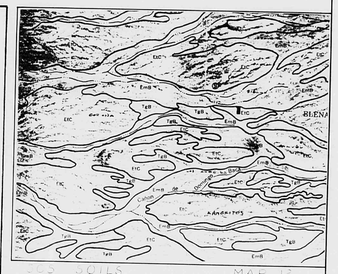

FEMA FLOODWAY PANEL 11

## SOILS DATA

| SOIL SERIES | DEPTH TO BED ROCK | DEPTH TO SEASONAL WATER TABLE | DEPTH FROM SURFACE | % PASSING SIEVE #10 | #40 | #200 | LIQUID LIMIT | PLASTICITY INDEX | PERMEABILITY | SHRINK SWELL POTENTIAL | DEGREE AND KIND OF LIMITATIONS: SEPTIC TANK ABSORPTION FIELD | DWELLINGS WITHOUT BASEMENT | LOCAL ROAD | HYDROLOGIC GROUP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EKC | 5 | 5 | 0-20 | 85-95 | 70-85 | 40-75 | 25-50 | NP | 0.6-0.2 | Low | slight | Slight | Slight | B |

EKC - Embudo-Tijeras complex, 0 to 9 per cent slopes. This mapping unit is about 50 per cent an Embudo gravelly fine sandy loam, 0 to 9 per cent slopes, and about 35 per cent a Tijeras gravelly fine sandy loam that has 1 to 9 per cent slopes.

The Embudo soil is in drainageways and depressions, and the Tijeras soil is on low ridges in narrow valleys. The Tijeras soil has the profile described as representative of the Tijeras series. On both soils, runoff is medium and the hazard of water erosion is moderate.




SOILS MAP 12

I, Richard V. Hall, observed this site on October 30, 1990, field measurements were performed on that date and ground elevations were found to be unaltered by any grading operations.

Richard Hall
Nov 7, 1990


HALL ENGINEERING COMPANY INC.
ENGINEERING • SURVEYING • PLANNING • CONSTRUCTION
6840 2ND ST., N.W. SUITE 306 • ALBUQUERQUE, NEW MEXICO 87107
PHONE (505) 345 1064


THIS PLAN SHOT TWICE
ONCE ON LIGHT AND
ONCE ON DARK.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