

TABLE 1

LACKLAND AFB #1
WATER ANALYSES

Concentrations in ppm

| <u>Element</u> | 1 | 2 | 3 | <u>Analytic Technique^a</u> | <u>lqd^b</u> |
|-----------------------------------|------|-------|---------|---------------------------------------|------------------------|
| Na | 565 | 563 | 561 | 1 | 0.61 |
| K | 52 | 46 | 43 | 1 | 1.22 |
| Ca | 132 | 127 | 109 | 1 | 0.24 |
| Mg | 36 | 35 | 35 | 1 | 0.49 |
| Fe | 1.4 | 0.7 | <0.02 / | 1 | 0.02 |
| SiO ₂ | 21 | 20 | 20 | 1 | 0.52 |
| B | 1.1 | 1.0 | 1.0 | 1 | 0.12 |
| Li | 0.46 | 0.45 | 0.45 | 1 | 0.05 |
| Sr | 5.22 | 5.23 | 5.20 | 1 | 0.01 |
| Zn | 1. | <0.12 | <0.12 | 1 | 0.12 |
| Alkalinity as HCO ₃ | 359 | 326 | 338 | 2 | 10 |
| SO ₄ | 649 | 648 | 646 | 3 | 2 |
| Cl | 580 | 559 | 524 | 2 | 2 |
| F | 1.9 | 2.5 | 2.3 | 4 | 0.1 |
| TDS (measured) | 2127 | 2210 | 2218 | 3 | |
| TDS (calculated) | 2223 | 2168 | 2113 | 5 | |

a) Analytic techniques

1. Inductively Coupled Plasma Spectrometer
2. Laboratory titration
3. Gravimetric
4. Specific Ion electrode
5. Hem (1970)

b) lqd = limit of quantitative detection, i.e. instrumental signal at least twice the background level.

TABLE 2

LACKLAND AFB #1

Elements analyzed for in water samples but not detected

| <u>Element</u> | <u>Limit of Quantitative Detection^{a,b}</u> |
|----------------|--|
| Al | 0.61 |
| Ag | 0.05 |
| As | 0.61 |
| Au | 0.10 |
| Ba | 0.61 |
| Be | 0.05 |
| Bi | 2.44 |
| Cd | 0.06 |
| Ce | 0.24 |
| Co | 0.02 |
| Cr | 0.05 |
| Cu | 0.06 |
| La | 0.12 |
| Mn | 0.24 |
| Mo | 1.22 |
| Ni | 0.12 |
| Pb | 0.24 |
| Sn | 0.12 |
| Sb | 0.73 |
| Te | 1.22 |
| Th | 2.44 |
| Ti | 0.12 |
| U | 6.10 |
| V | 1.22 |
| W | 0.12 |
| Zr | 0.12 |

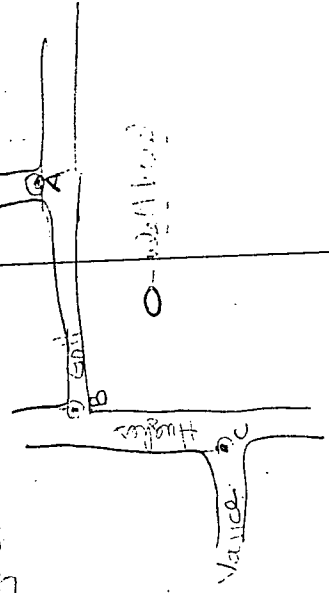
- a) Analysis by Inductively Coupled Plasma Spectrometer, concentrations in ppm
b) Concentration of element when instrumental signal is at least twice the background level.

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well site Survey - Lackland

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Brig. C. intersection to well head - No. 44E



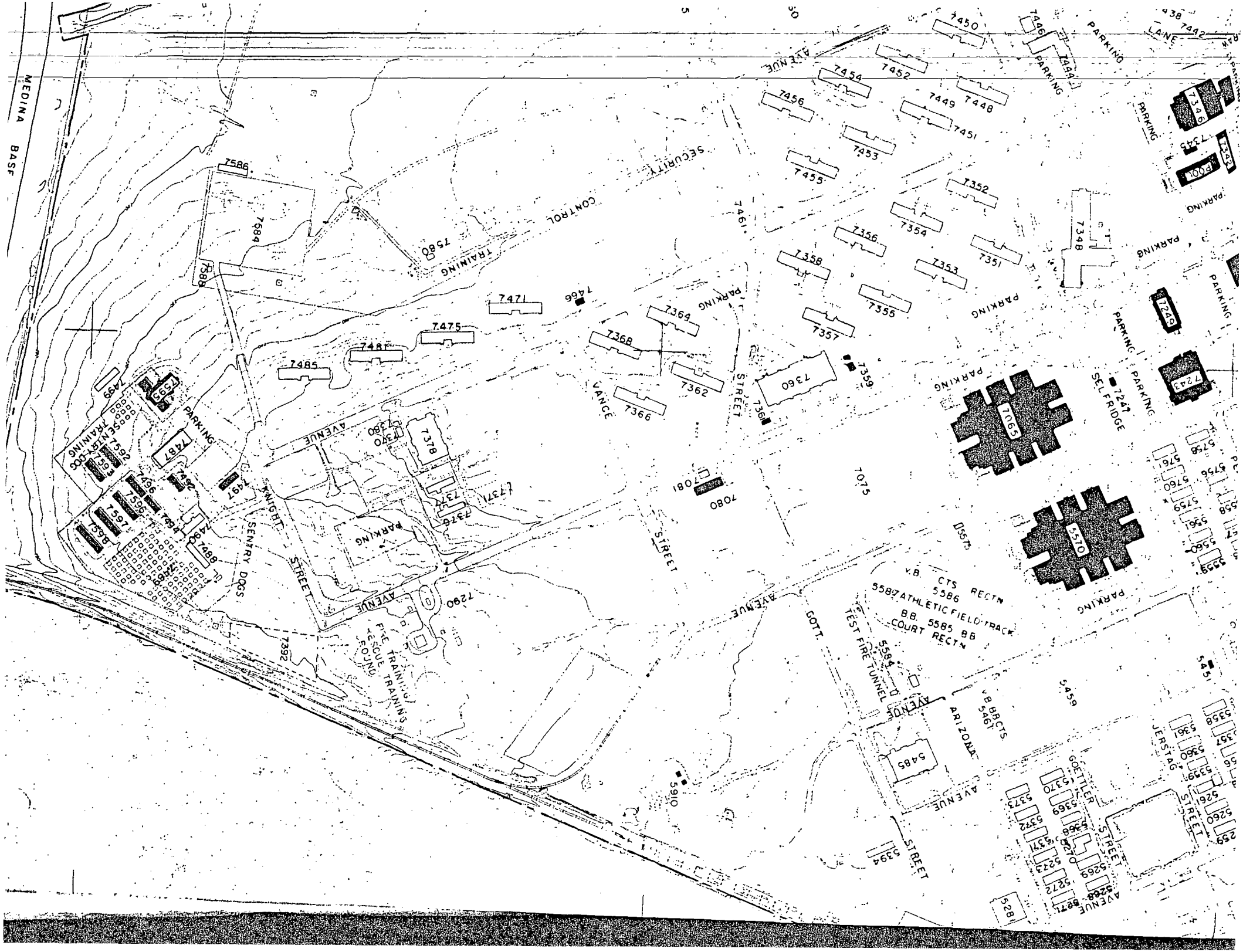
Center line - Vance - S66W

" " - Hughes - N74W

" " - Grot - N66E

Brig. B intersection to well head - S72E

Brig. A intersection to well head - S18W



MEDINA BASF

SECURITY CONTROL TRAINING

AVENUE

STREET

FIRE TRAINING
RESCUE TRAINING

SENTRY DOGS

PARKING
TRAINING

PARKING
TRAINING

7586
7584
7588

7471

7466

7475

7485

7488

7368

7369

7366

297

7362

7361

7360

7080

7081

STREET

AVENUE

GOTT

AVENUE

TEST FIRE TUNNEL

ATHLETIC FIELD TRACK

COURT RECTN

5585

5586

5587

5588

5589

5590

5591

5592

5593

5594

5595

VB CTS RECTN

VB BRCTS

ARIZONA

AVENUE

STREET

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