HYDROLOGY

E20/D8
FOUR PLANS

E20/D8

4 Plans

SCALE: 1" = 100'

$Q_{100}$ = 2.9 cfs.
$Q_{10}$ = 1.3 cfs.

150' WIDE P.N.M. EASEMENT

$Q_{100}$ = 6.6 cfs.
$Q_{10}$ = 3.0 cfs.

$Q_{100}$ = 8.1 cfs.
$Q_{10}$ = 3.7 cfs.

$Q_{100}$ = 9.8 cfs.
$Q_{10}$ = 4.6 cfs.

$Q_{100}$ = 4.1 cfs.
$Q_{10}$ = 1.9 cfs.

$Q_{100}$ = 3.3
$Q_{10}$ = 1.6 cfs.

FAIRWAYS ESTATES
UNIT ONE
FILED AUGUST 21, 1979
C15 - 94

$Q_{100}$ = 7.4 cfs.
$Q_{10}$ = 3.4 cfs.

$Q_{100}$ = 14.1 cfs.
$Q_{10}$ = 5.8 cfs.

#1A #1B #1C #2 #3 #4 #5 #6A #6B

FUTURE DEVELOPMENT

UNPLATTED

GOLF COURSE

FUTURE DEVELOPMENT

FAIRWAYS ESTATES
UNIT ONE
FILED AUGUST 21, 1979
C-15-94

**LEGEND**

| | |
|---|---|
| ——— | EXISTING CONTOUR |
| —·····— | DRAINAGE BASIN BOUNDARY |
| #3 | DRAINAGE BASIN I.D. |
| $Q_{100}$ / $Q_{10}$ | PEAK DISCHARGES FROM GIVEN BASIN |
| ····· | EXISTING YARD WALL |

PROJECT LOCATION

VICINITY MAP
SCALE: 1" = 800'

E-21-Z

PROJECT BENCHMARK:

A STANDARD A.C.S. BRASS CAP STAMPED "I-D21" SET IN THE TOP OF A CONC. POST PROJECTING 0.5 FEET ABOVE THE GROUND LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF SAN ANTONIO BLVD. (DIRT) & HOLBROOK STREET (DIRT), ALSO LOCATED WITHIN THE RIGHT-OF-WAY OF AN ELECTRIC TRANSMISSION LINE APPROXIMATELY 1.5 MI. EAST OF WYOMING BLVD.

ELEVATION: 5637.38 FEET

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
STATE OF NEW MEXICO
THOMAS T. MANN, JR.
3798

RECEIVED
DEC 10 1981
ENGINEERING

# FIGURE 4
## EXISTING DRAINAGE CONDITIONS
REVISED 12/08/81

JOB No. I-049

SCALE 1" = 100'

OFFSITE A

OFFSITE B

FAIRWAYS ESTATES
UNIT ONE
FILED AUGUST 21, 1979
C15 - 94

OFFSITE C
GOLF COURSE

UNPLATTED

OFFSITE D

OFFSITE E

FUTURE DEVELOPMENT

FUTERE DEVELOPMENT

GOLF COURSE

PEBBLE BEACH DRIVE

TANOAN DRIVE

STREET 1

STREET 2

STREET 3

TRACT 2

RIP-RAP EROSION CONTROL DEVICE

150' WIDE P.N.M. EASEMENT

NUISANCE FLOWS PONDED

NUISANCE FLOWS TO BE CARRIED UNDER THE ROAD VIA A CULVERT. MAJOR STORM FLOWS TO BE CARRIED IN PEBBLE BEACH DRIVE

FLOWS ARE DIRECTED INTO THE ARROYO DEL PINO VIA A CONTINUATION OF TANOAN DRIVE

| Basin | $Q_{100}$ | $Q_{10}$ |
|---|---|---|
| #1 | 3.6 cfs. | 1.8 cfs. |
| #2 | 32.9 cfs. | 17.4 cfs. |
| #3 | 45.0 cfs. | 21.5 cfs. |
| #5 | 1.9 cfs | 0.9 cfs. |
| #6 | 6.7 cfs. | 3.1 cfs. |
| #7 | 7.6 cfs. | 3.5 cfs. |
| #8 | 7.0 cfs. | 3.2 cfs. |
| #9 | 18.9 cfs. | 10.1 cfs. |
| #10 | 0.7 cfs. | 0.3 cfs. |
| #11 | 1.7 cfs. | 0.8 cfs. |
| #12 | 0.2 cfs. | 0.1 cfs. |
| #13 | 3.3 cfs. | 1.7 cfs. |
| #13A | 8.6 cfs. | 4.2 cfs. |
| #13B | 3.4 cfs. | 1.8 cfs. |
| #13C | 3.4 cfs. | 1.8 cfs. |
| #14 | 13.0 cfs. | 5.2 cfs. |
| OFFSITE D | 0.8 cfs. | 0.4 cfs. |
| OFFSITE E | 0.4 cfs. | 0.2 cfs. |

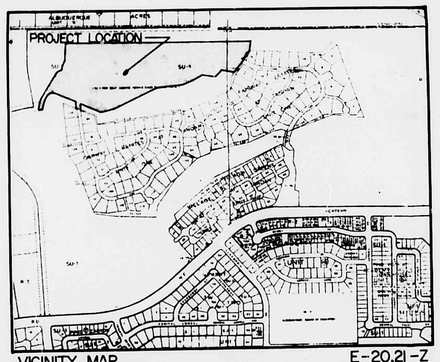
## LEGEND

- PROPOSED DRAINAGE SWALE
- 5625 EXISTING CONTOUR
- DRAINAGE BASIN BOUNDARY
- #2 DRAINAGE BASIN I.D.
- $Q_{100}$ / $Q_{10}$ PEAK DISCHARGES FROM GIVEN BASIN
- DIRECTION OF PROPOSED FLOW
- STANDARD CURB & GUTTER (REQUIRED)
- EXISTING YARD WALL
- PROPOSED YARD WALL
- COMMON DRAINAGE EASEMENT

PROJECT BENCHMARK:

A STANDARD A.C.S. BRASS CAP STAMPED "I-D21" SET IN THE TOP OF A CONCRETE POST PROJECTING 0.5 FEET ABOVE THE GROUND LOCATED AT THE NORTH-EAST QUADRANT OF THE INTERSECTION OF SAN ANTONIO BLVD. (DIRT) & HOLBROOK STREET (DIRT), ALSO LOCATED WITHIN THE RIGHT-OF-WAY OF AN ELECTRIC TRANSMISSION LINE APPROXIMATELY 1.5 MI. EAST OF WYOMING BLVD.

ELEVATION: 5637.38 FEET




VICINITY MAP
SCALE: 1" = 800'

E-20,21-Z

RECEIVED
DEC 10 1981
ENGINEERING

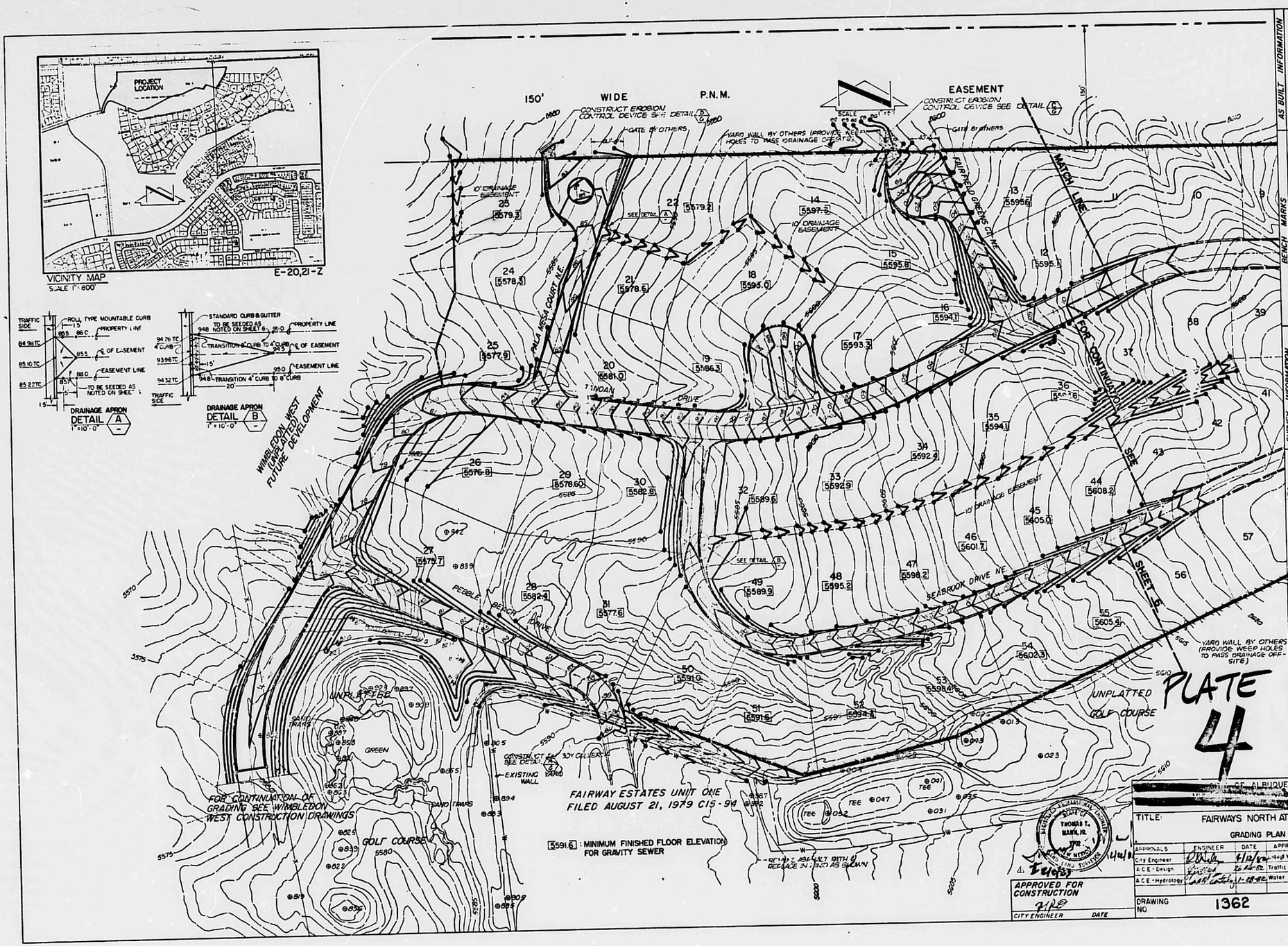
NOTE:
1) FOR STREET SECTIONS A THRU D SEE APPENDIX C OF THE DRAINAGE REPORT.
2) FOR SWALE SECTIONS 1 THRU 4 SEE APPENDIX D OF THE DRAINAGE REPORT. THESE SECTIONS ARE TO BE DEDICATED AS COMMON DRAINAGE EASEMENTS.

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
STATE OF NEW MEXICO
THOMAS T. MARTIN
3752

# FIGURE 6
## DEVELOPED DRAINAGE CONDITIONS
REVISED 12/08/81

Martin & Associates, Inc.
815 DALLAS N.E. · ALBUQUERQUE · NEW MEXICO · 87110
ENGINEERS

JOB No. 1-049




## AS BUILT INFORMATION

A STANDARD A.C.S. BRASS CAP STAMPED "1-QB" SET IN THE TOP OF A CONCRETE POST PROJECTING 0.5 FEET ABOVE THE GROUND LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF SAN ANTONIO BLVD. (LIRT) & HOLBROOK STREET (WRT). ALSO LOCATED WITHIN THE RIGHT-OF-WAY OF AN ELECTRIC TRANSMISSION LINE APPROXIMATELY 1.5 MI EAST OF WYOMING BLVD.

ELEVATION: 5637.38 FEET

CONTRACTOR: DATE
WORK STAKED BY: DATE
AS-BUILT BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO:

## BENCH MARKS

## SURVEY INFORMATION

| FIELD NOTES | | |
|---|---|---|
| NO. | BY | DATE |

## REFERENCES

MAP NO. E-20, 21
EST. NO.
W.O. NO.

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 12/85 | RE-INSTALLED, ZIP TONE REMOVED | |

CITY OF ALBUQUERQUE
[redacted] DEPARTMENT
[redacted] DIVISION

TITLE: FAIRWAYS NORTH AT TANOAN

GRADING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [illegible] | 8/12/82 | Liquid Waste | | |
| A.C.E.-Design | [illegible] | 10-14-82 | Traffic | N.A. | |
| A.C.E.-Hydrology | [illegible] | 11-08-82 | Water | | |

DRAWING NO 1362

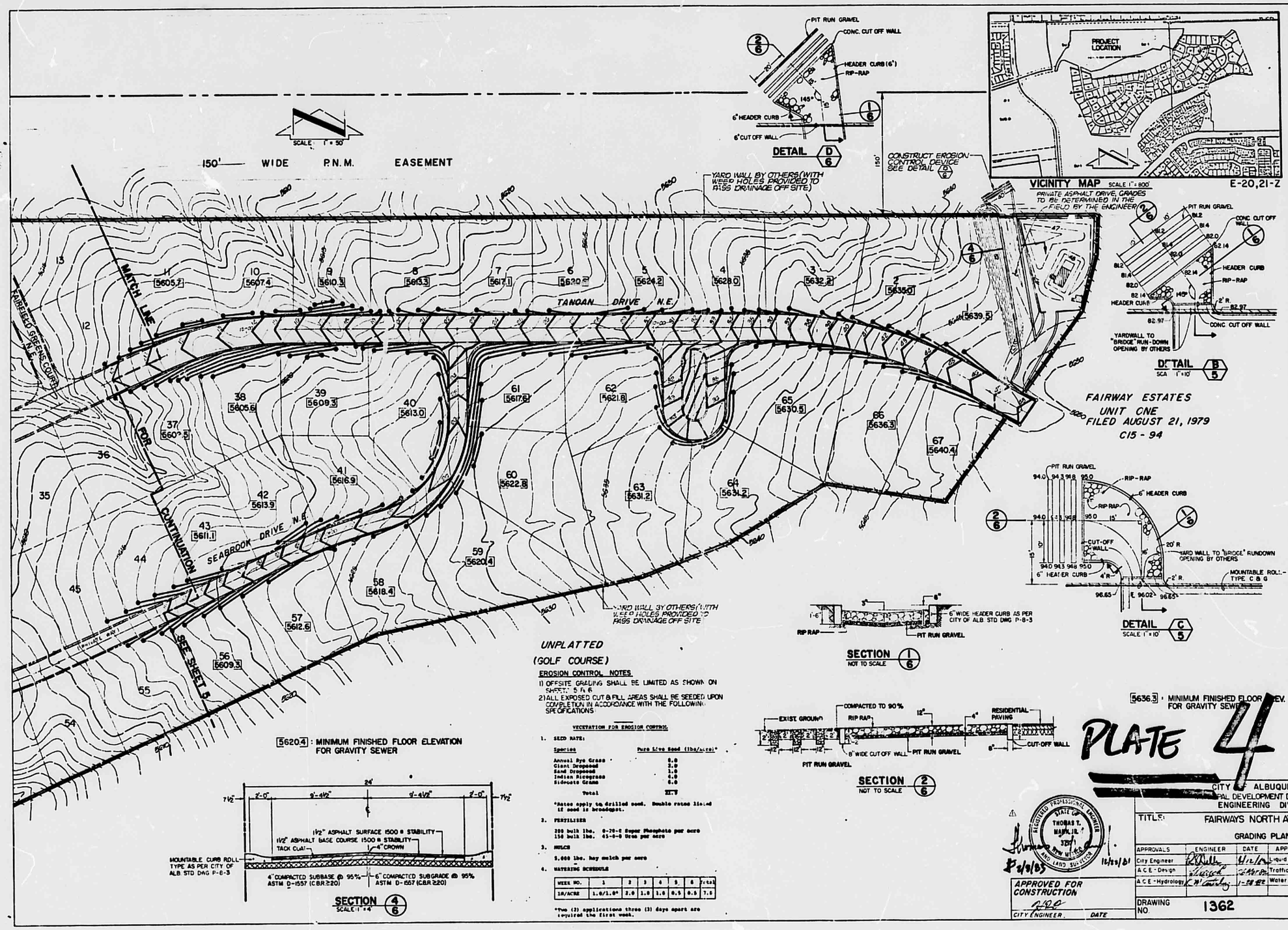
SHEET 5 OF 15

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO THOMAS T. MANN, JR. 7372

4/4/83




## EROSION CONTROL NOTES

1) OFFSITE GRADING SHALL BE LIMITED AS SHOWN ON SHEETS 5 & 6
2) ALL EXPOSED CUT & FILL AREAS SHALL BE SEEDED UPON COMPLETION IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS

### VEGETATION FOR EROSION CONTROL

1. SEED RATE:

| Species | Pure Live Seed (lbs/acre)* |
|---|---|
| Annual Rye Grass | 8.0 |
| Giant Dropseed | 3.0 |
| Sand Dropseed | 1.0 |
| Indian Ricegrass | 4.0 |
| Sideoats Grama | 6.0 |
| Total | 22.0 |

*Rates apply to drilled seed. Double rates listed if seed is broadcast.

2. FERTILIZER

200 bulk lbs. 0-20-0 Super Phosphate per acre
150 bulk lbs. 45-0-0 Urea per acre

3. MULCH

5,000 lbs. hay mulch per acre

4. WATERING SCHEDULE

| WEEK NO. | 1 | 2 | 3 | 4 | 5 | 6 | Total |
|---|---|---|---|---|---|---|---|
| IN/ACRE | 1.0/1.0* | 2.0 | 1.0 | 1.0 | 0.5 | 0.5 | 7.0 |

*Two (2) applications three (3) days apart are required the first week.

PLATE 4

| SURVEY INFORMATION | | | |
|---|---|---|---|
| FIELD NOTES | | | |
| NO. | BY | DATE | |

| REFERENCES | |
|---|---|
| MAP NO. E-20, 21 | W.O. NO. |
| EST. NO. | |

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| 1 | 12/82 | RE-INITIALED, ZIP TAPE REMOVED | S.C. |

AS BUILT INFORMATION
CERTIFICATION
BENCH MARKS
A STANDARD A.C.S. BRASS CAP STAMPED "1-20" SET IN THE TOP OF A CONC. POST PROJECTING 0.5 FEET ABOVE THE GROUND LOCATED AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF SAN ANTONIO BLVD. DIRT & HOLBROOK STREET (DIRT) ALSO LOCATED WITHIN THE RIGHT-OF-WAY OF AN ELECTRIC TRANSMISSION LINE APPROXIMATELY 1.5 MI. EAST OF WYOMING BLVD.
ELEVATION 5637.30 FEET.
MICRO-FILM INFORMATION
RECORDED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: FAIRWAYS NORTH AT TANOAN
GRADING PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | | |
| A.C.E. - Design | | | Traffic | N.A. | |
| A.C.E. - Hydrology | | | Water | | |

DRAWING NO. 1362
SHEET 6 OF 15