HYDROLOGY

7001 OSUNA N.E.

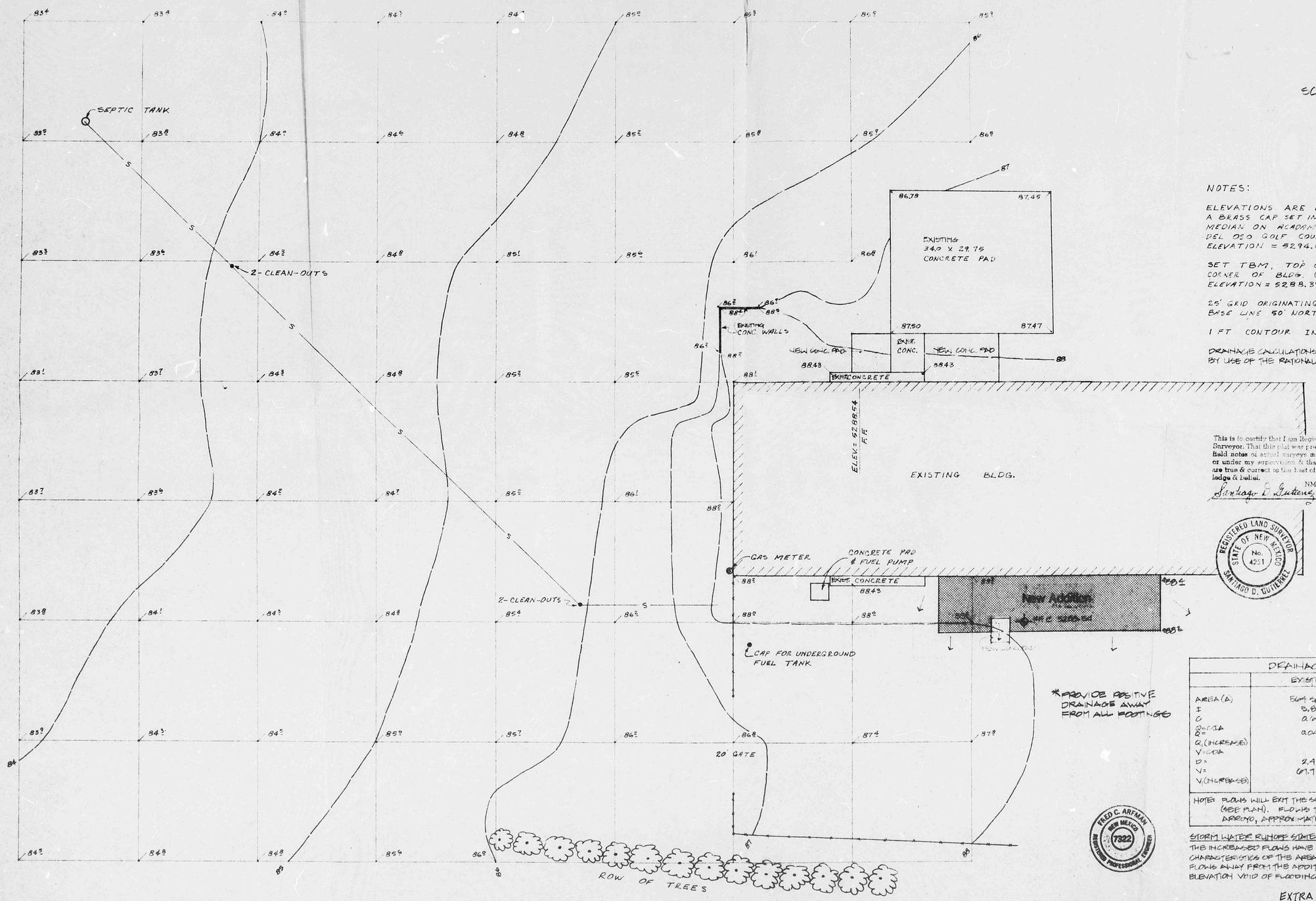
F18/D29

ONE PLAN

PLAN FOR

7001 OSUNA N.E.

F18-D29




1/2 SITE DRAINAGE PLAN
SCALE: 1" = 10'-0"

SCALE 1" = 10'-0"

NOTES:

ELEVATIONS ARE BASED ON BENCH MARK NO. 2F-18, A BRASS CAP SET IN CONCRETE INSIDE THE CENTER MEDIAN ON ACADEMY ROAD NE, NORTH OF THE ARROYO DEL OSO GOLF COURSE, OPPOSITE FIRE HOUSE NO. 15. ELEVATION = 5294.86 (MSLD 1929)

SET TBM, TOP OF CONCRETE FOOTING, AT NW CORNER OF BLDG. (WEST SIDE OF BLDG.) ELEVATION = 5288.39

25' GRID ORIGINATING AT NW CORNER OF BLDG. BASE LINE 50' NORTH OF BLDG.

1 FT CONTOUR INTERVALS

DRAINAGE CALCULATIONS ARE BASED ON THE 100 YEAR, 6 HOUR STORM, BY USE OF THE RATIONAL METHOD.

This is to certify that I am Registered Land Surveyor. That this plat was prepared from field notes of actual surveys made by me or under my supervision & that the same are true & correct to the best of my knowledge & belief.

NMLS #4251

Santiago D. Gutierrez

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO No. 4251 SANTIAGO D. GUTIERREZ

RECEIVED
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SYMBOL LEGEND:

- 87.2 EXIST. SPOT ELEVATION
- 88.2 NEW SPOT ELEVATION
- EXIST. CONTOURS

F18-029

*PROVIDE POSITIVE DRAINAGE AWAY FROM ALL FOOTINGS

| DRAINAGE CALCULATIONS | EXISTING | PROPOSED |
|---|---|---|
| AREA (A) | 5644 Sq. Ft. (0.0295 Acres) | 5644 Sq. Ft. |
| I | 5.85 | 5.85 |
| C | 0.60 | 0.95 |
| Q=CIA Q= | 0.045 CFS | 0.072 CFS |
| Q (INCREASE) | | 0.027 CFS |
| V=CDA | | |
| D= | 2.4" | 2.4" |
| V= | 67.7 Cu. Ft. | 107.2 Cu. Ft. |
| V (INCREASE) | | 39.5 Cu. Ft. |

NOTE: FLOWS WILL EXIT THE SITE ALONG EXISTING DRAINAGE PATTERNS - (SEE PLAN). FLOWS THEN TRAVERSE OVERLAND TO THE BEAR ARROYO, APPROXIMATELY 1000 FEET TO THE NORTHWEST.

FRED C. ARFMAN NEW MEXICO 7322 REGISTERED PROFESSIONAL ENGINEER

STORM WATER RUNOFF STATEMENT --
THE INCREASED FLOWS HAVE LITTLE OR NO IMPACT ON THE OVERALL DRAINAGE CHARACTERISTICS OF THE AREA. THEREFORE, A POSITIVE GRADE TO FORCE FLOWS AWAY FROM THE ADDITION AND SETTING THE FINISH FLOOR (FF) TO AN ELEVATION VOID OF FLOODING ARE THE ONLY REQUIREMENTS.

EXTRA COPY FOR HYDROLOGY

dekker & associates
architects & engineers & planners
1123 San Mateo NE Suite 1-K Albuquerque New Mexico 87110

F18/D29

HYDROLOGY

7001 OSUNA N.E.

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ONE PLAN

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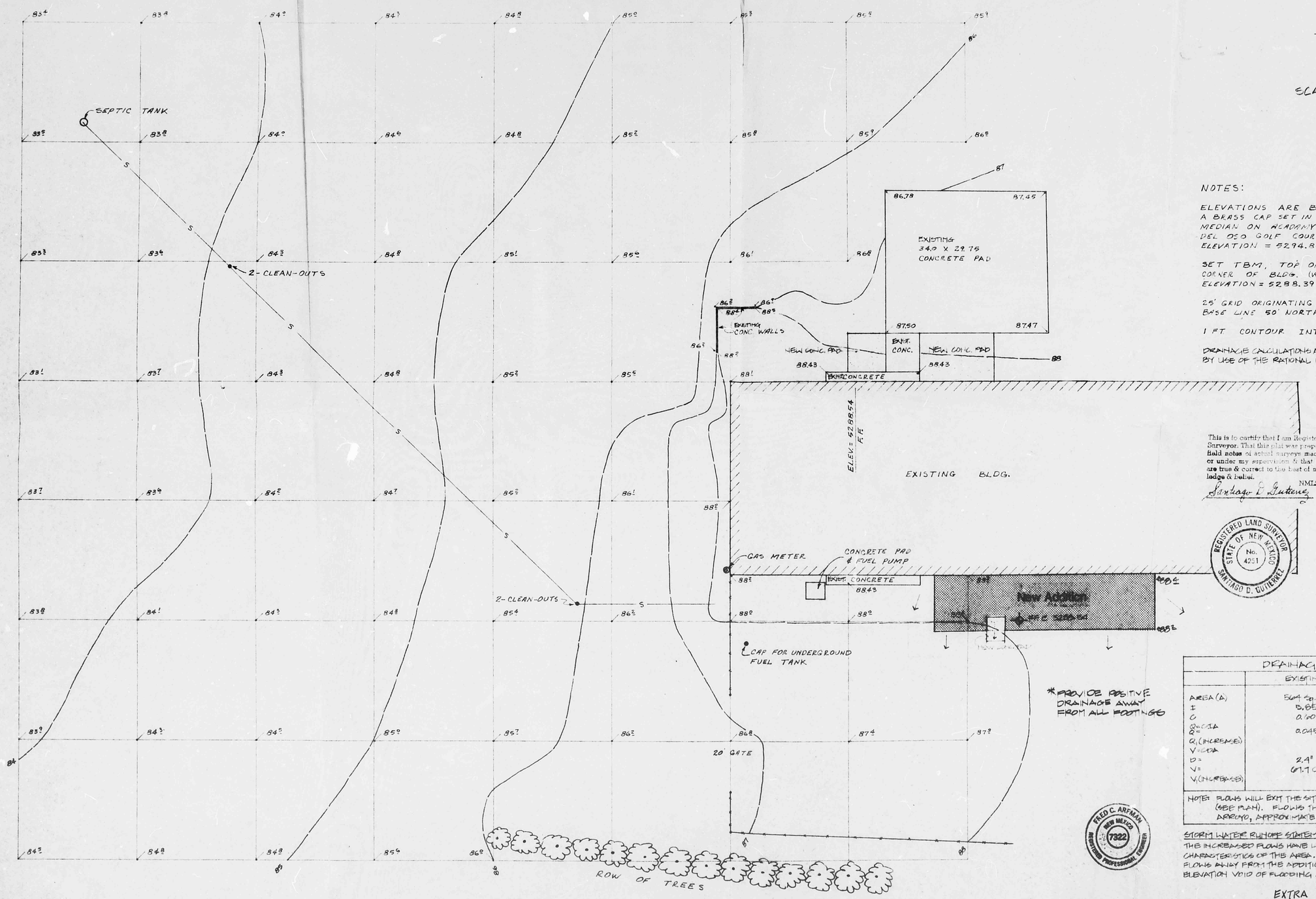


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Santiago D. Gutierrez

REGISTERED LAND SURVEYOR STATE OF NEW MEXICO No. 4251 SANTIAGO D. GUTIERREZ

SYMBOL LEGEND:

- 872 EXIST. SPOT ELEVATION
- ● 882 NEW SPOT ELEVATION
- EXIST. CONTOURS

F18-D29

*PROVIDE POSITIVE DRAINAGE AWAY FROM ALL FOOTINGS

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