

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Pinnacle View Subdivision ZONE ATLAS/DRNG. FILE #: J-23/D9C1

LEGAL DESCRIPTION: Tract F, Embudo Hills

CITY ADDRESS: _____

ENGINEERING FIRM: FRED DENNEY & ASSOCIATES, INC. CONTACT: Joe Jones

ADDRESS: 2400 Comanche NE, Albuquerque, NM 87107 PHONE: 884-0696

OWNER: Pinnacle Partnership CONTACT: Rich Gantner

ADDRESS: 11501 Montgomery Blvd., NE Albq., NM 87111 PHONE: 293-3000

ARCHITECT: N/A CONTACT: N/A

ADDRESS: _____ PHONE: _____

SURVEYOR: FRED DENNEY & ASSOCIATES, INC. CONTACT: Kevin Daly

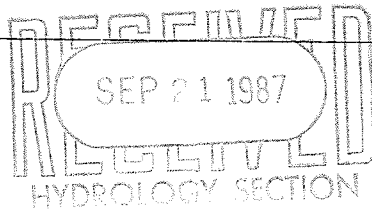
ADDRESS: 2400 Comanche NE, Albuquerque, NM 87107 PHONE: 884-0696

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES
☐ NO
☐ COPY OF CONFERENCE RECAP
☐ SHEET PROVIDED



DRB No. 87-398
 EPC No. _____
 PROJ. No. 3333

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SECTOR PLAN APPROVAL
☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE DEVELOPMENT PLAN APPROVAL
☒ FINAL PLAT APPROVAL
☐ BUILDING PERMIT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ ROUGH GRADING PERMIT APPROVAL
☐ GRADING/PAVING PERMIT APPROVAL
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: September 21, 1987

BY: Joe Jones

REV. 10/85



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

September 24, 1987

Joe Jones
Fred Denney & Associates, Inc.
2400 Comanche Road, NE
Albuquerque, New Mexico 87107

RE: GRADING & DRAINAGE REPORT FOR PINNACLE VIEW
SUBDIVISION SUBMITTED FOR FINAL PLAT APPROVAL
(J-23/D9C1)

Dear Joe:

Your submittal, referred to above, with an engineer's stamp date of September 17, 1987, is approved for final plat sign-off by Hydrology.

If you have any questions, please call me at 768-2650.

Cordially,

G. Stuart Reeder, P.E.
C.E./Hydrology Section

GSR/bsj

xc: Owner

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer

ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

GRADING & DRAINAGE PLAN
PINNACLE VIEW
SUBDIVISION

LEGAL DESCRIPTION
TRACT F-1 EMBUDO HILLS SUBDIVISION.

TRACT E EMBUDO HILLS

DRAINAGE
The proposed development site consists of 5.73 acres and is located on Pinnacle View Drive between Monte Largo Drive and Lomas Boulevard. The soils onsite are of the Tesugo Series Type "A", and the site slopes from northeast to southwest at approximately 6%. The site is not located within a flood plain.
The development site lies within the boundary of the Embudo Hills Master Drainage Plan. This proposed plan meets the requirements set forth in the Master Plan.
The Embudo Hills Master Drainage Plan indicates a Q of 135 cfs just east of the intersection of Pinnacle View and Narcisco. Since approximately 11 cfs is generated onsite, 124 cfs is offsite runoff. A Type "A" catch basin will be constructed 10' east of the return on Pinnacle View to comply with the Master Plan.
As shown on Plate 3 of the Embudo Hills Master Plan, a desilting basin has been constructed at the west end of Pinnacle View Drive. Dumped riprap will be placed at the end of Pinnacle View in order to minimize erosion and dissipate the energy of the runoff.

BASIN	AREA (Ac)
1	2.81
2	2.02
3	0.93

ONSITE RUNOFF

BASIN ② Calculations

LOCATION Narcisco & Pinnacle
ANALYSIS POINT # K-5
C (DR. AREA) A = 2.0 ACRES
Tc 10 MIN
POINT RAINFALL 2.55 IN. FROM PLATE 22.2 D-1
CN = 80 FROM PLATES 22.2 C-2, 22.2 C-3
RUNOFF VOLUME R = 0.9 IN. FROM PLATE 22.2 C-4
COMPUTED Tp = 10 MIN. Tp = Tc
(Rounded to even minute)
Qp = 45.4A = 91 CFS./INCH OF RUNOFF
(R X Qp) = Qpeak = 8.2 CFS
t(COLUMN) = (t/Tp) t = Tp(t/Tp)
Y = Q Q = y(Qpeak)
V100 = RA
V100 = 0.9 (2x43560) = 6534 cf

BASIN ①

LOCATION Pinnacle View
ANALYSIS POINT # K-1, K-2
C (DR. AREA) A = 2.8 ACRES
Tc 10 MIN
POINT RAINFALL 2.55 IN. FROM PLATE 22.2 D-1
CN = 80 FROM PLATES 22.2 C-2, 22.2 C-3
RUNOFF VOLUME R = 0.9 IN. FROM PLATE 22.2 C-4
COMPUTED Tp = 10 MIN. Tp = Tc
(Rounded to even minute)
Qp = 45.4A = 127 CFS./INCH OF RUNOFF
(R X Qp) = Qpeak = 11.3 CFS
t(COLUMN) = (t/Tp) t = Tp(t/Tp)
Y = Q Q = y(Qpeak)
V100 = RA
V100 = 0.9 (2.8x43560) = 9150 cf

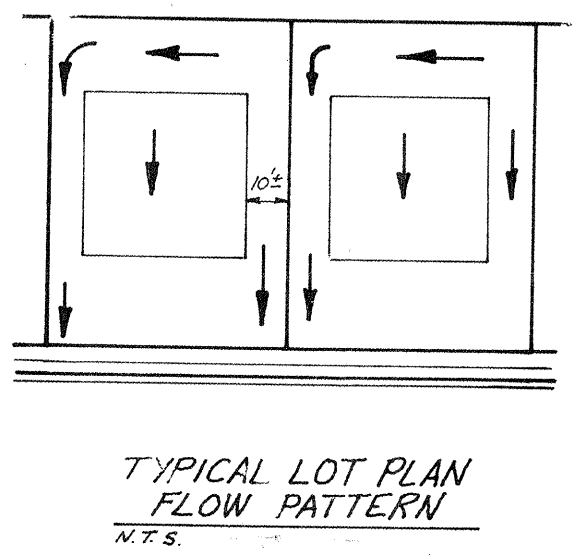
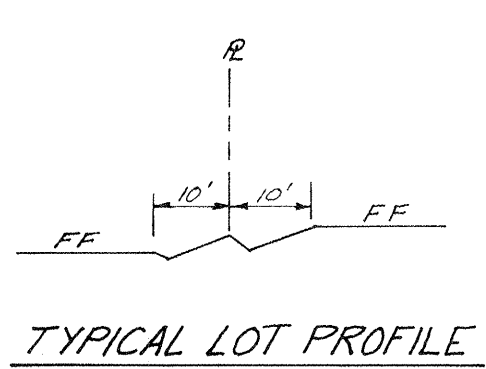
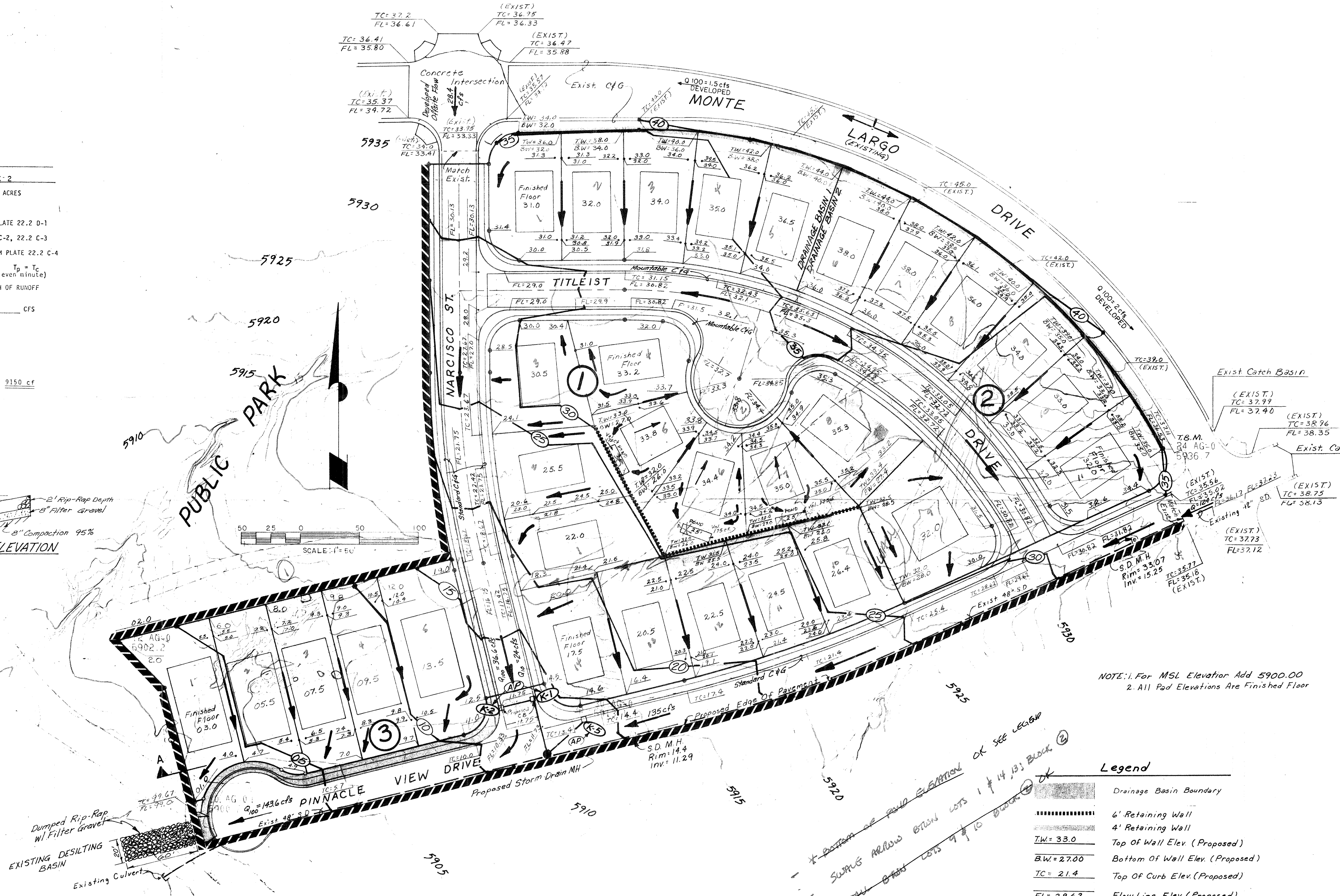
RIPRAP AND FILTER MATERIAL GRADATION

RIPRAP	% Smaller Than Given Size By Weight	Minimum Dimension Inches
Type M	100 35-55 10	18 12 3

FILTER GRAVEL

Sieve Size	% By Weight Passing Square Mesh Sieves
2"	90 - 100
3/4"	20 - 90
#4	0 - 20
#200	0 - 3

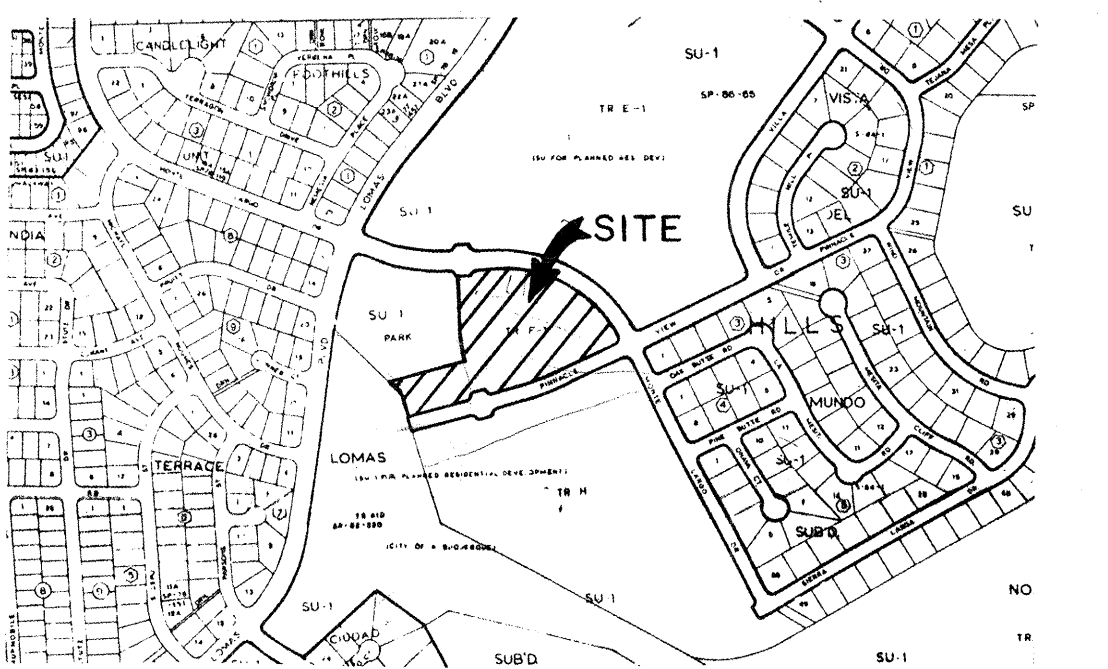
	NARCISCO ST.	PINNACLE VIEW
Q100	36.6 cfs	135 cfs
Q10	24 cfs	89 cfs
V100	6.9 fps	9.7 fps
V10	5.2 fps	9.2 fps
D10	0.38'	0.58'
D0+V10	2.0 < 6.5 (OK)	5.33 < 6.5 (OK)



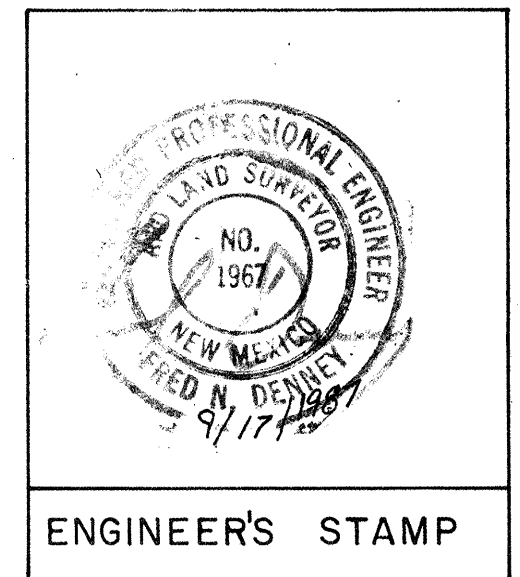
Legend

- Drainage Basin Boundary
- 6' Retaining Wall
- 4' Retaining Wall
- Top Of Wall Elev. (Proposed)
- Bottom Of Wall Elev. (Proposed)
- Top Of Curb Elev. (Proposed)
- Flow Line Elev. (Proposed)
- Spot Elev. (Proposed)
- Erosion Control Berm
- Flow Arrow
- Type "A" Catch Basin w/ 18" Connector Pipe
- Drainage Basin #
- Backyard Pond (1' Depth All Ponds, Vol=175cf)
- Proposed Contour

SECTION A
Erosion Control Berm To Be in Place Throughout Construction



BENCHMARK DATA
10+J23 Located At The Intersection Of Lomas Boulevard & Parsons Street NE. A Square "X" Chiseled On Top Of WNW Curb Return. Elev = 5856.319 ft.
T.B.M. Property Corner @ N.W. Return Of Pinnacle View Drive And Monte Largo Drive. Elev = 5936.7



APPROVED FOR DRAINAGE
DATE 24 Sep 87
SIGNATURE G. S. Reeder, P.E., CE/AYOC
TITLE ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

