

FEMA MAP PANEL 358 OF 825

ZONE ATLAS MAP N.T.S. J-19

Legal Description

Southeast corner of Tract A, Replat of a portion of the East
End Addition, as the same as is shown and designated on the
Plat thereof, filed in the Office of the County Clerk of Bernalillo County,
New Mexico.

UPC Number

1019-058-521-209-420-16

Drainage Calculations

First Federal Bank - Hydrology Calculations
DPM - Section 22.2
Volume 2, January 1993

| | |
|-------------------------------|-------|
| Precipitation Zone | 3 ✓ |
| 100 Year Storm Depth, P (360) | 2.6 ✓ |

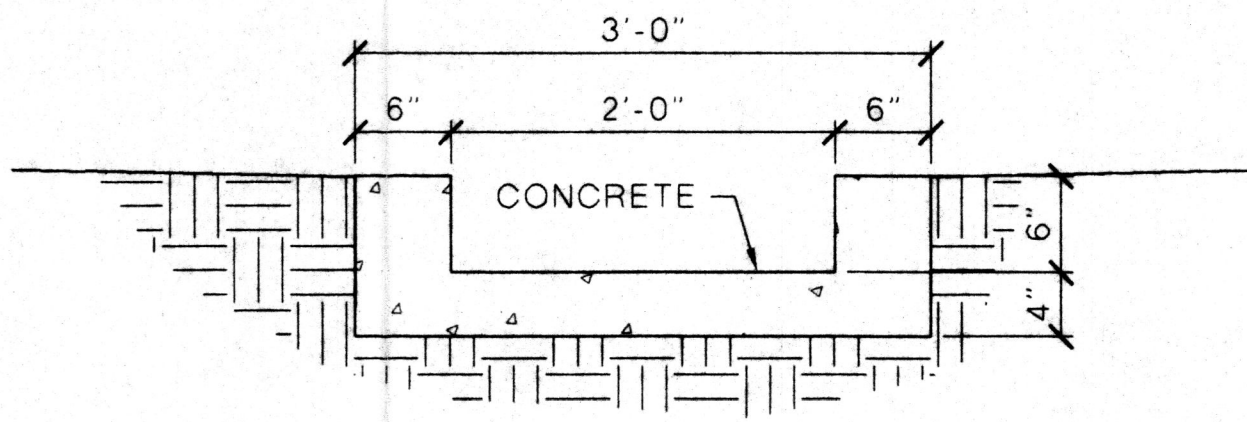
| Treatment Area | A | B | C | D |
|------------------------------|--------|--------|--------|--------|
| Excess Precipitation Factors | 0.66 ✓ | 0.92 ✓ | 1.29 ✓ | 2.36 ✓ |
| Peak Discharge Factors | 1.87 ✓ | 2.60 ✓ | 3.45 ✓ | 5.02 ✓ |

| Land Treatment Area | Acres | Existing | Proposed |
|----------------------------|-------|-------------|-------------|
| Type "D" (Roof) | | 0.64 | 0.53 |
| Type "C" (Unpaved Roadway) | | 0.00 | 0.00 |
| Type "B" (Irrigated Lawns) | | 0.05 | 0.16 |
| Type "A" (Undeveloped) | | 0.00 | 0.00 |

| | | |
|---------------|------|------|
| Total (Acres) | 0.69 | 0.69 |
|---------------|------|------|

| | | |
|--------------------------|------|------|
| Excess Precipitation(in) | 2.26 | 2.03 |
|--------------------------|------|------|



| | | |
|------------------|---------|---------|
| Volume (100), cf | 5649.73 | 5074.74 |
| Volume (10),cf | 3785.32 | 3400.08 |
| Q (100), cfs | 3.34✓ | 3.08✓ |
| Q (10), cfs | 2.24 | 2.06 |



CHANNEL DETAIL

SCALE: 1 1/2" = 1'-0"

Legend

- | | |
|---------------------------------------------------------------------------------------|-------------------------|
|  | EXISTING CONTOUR |
|  | DIRECTION OF FLOW |
| ● <u>(XX.XX)</u> | EXISTING SPOT ELEVATION |
| ● <u>XX.XX</u> | PROPOSED SPOT ELEVATION |
| TC | TOP OF CURB |
| FL | FLOW LINE |
| TSW | TOP OF SIDEWALK |

Benchmark

A.C.S. 1-J19
X=408,155.58
Y=1,489,816.57
Elevation = 5320.05 (NGVD 29)

Local Benchmark

THE LOCAL BENCHMARK FOR THIS PROJECT IS THE
NORTHWEST CORNER OF PROPERTY BEING A 5/8" REBAR
ELEV = 5358.58

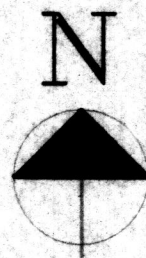
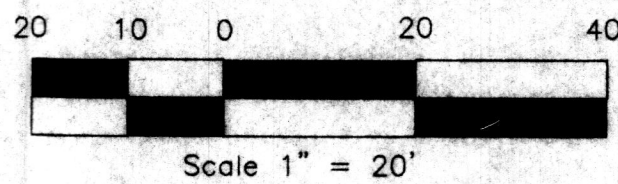
Engineer's Statement

I, the Engineer of record, certify that I have personally visited the site and the existing grades and contours depicted on this plan match what presently exists at the present location

MARTIN J. GARCIA, NMPE # 11767

Notes

SAWCUT ALL ASPHALT AT NEW CURB LINE AND
NEW CONCRETE.



First Federal Bank
ALBUQUERQUE, NEW MEXICO

8801 Jefferson NE
Albuquerque NM

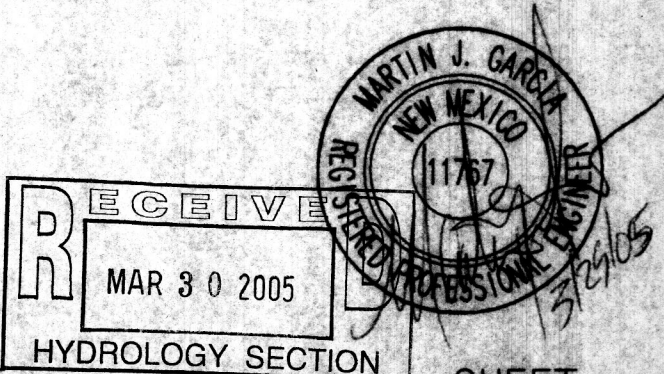
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505 246 0870
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GRADING PLAN

REVISIONS

ARCHITECT

ENGINEER



DATE 3-29-05

SHEET
C2