

ARROYO DEL OSO Golf course, Albuquerque, Bernalillo County,  
New Mexico, 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.

1019-061-047-391-202-70

Arroyo Del Oso New Storage Building  
26003  
10-Jan-06

## 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 |

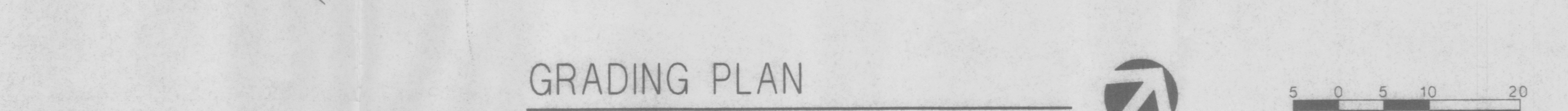
| Land Treatment Area        | Acres | Existing | Allowable | Proposed |
|----------------------------|-------|----------|-----------|----------|
| Type "D" (Roof)            |       | 0        | 0.04      | 0.05     |
| Type "C" (Unpaved Roadway) |       | 0        | 0.05      | 0.00     |
| Type "B" (Irrigated Lawns) |       | 0        | 0.05      | 0.18     |
| Type "A" (Undeveloped)     |       | 0.23     | 0.10      | 0.00     |

|               |      |      |      |
|---------------|------|------|------|
| Total (Acres) | 0.23 | 0.23 | 0.23 |
|---------------|------|------|------|

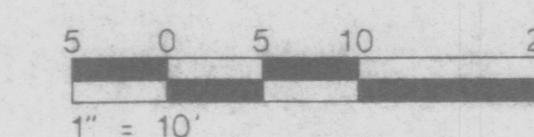
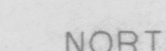
|                          |      |      |      |
|--------------------------|------|------|------|
| Excess Precipitation(in) | 0.66 | 1.13 | 1.24 |
|--------------------------|------|------|------|

|                  |        |        |         |
|------------------|--------|--------|---------|
| Volume (100), cf | 551.03 | 939.76 | 1022.79 |
| Volume (10), cf  | 369.19 | 629.64 | 685.27  |
| Q (100), cfs     | 0.43   | 0.65   | 0.71    |
| Q (10), cfs      | 0.29   | 0.43   | 0.48    |

THIS GRADING AND DRAINAGE PLAN IS FOR THE NEW STORAGE BUILDING BEING CONSTRUCTED ON THE PROPERTY OF THE ARROYO DEL SO GOLF COURSE. THE BUILDING WILL BE LOCATED WEST OF THE CLUBHOUSE AND THE EXISTING STORAGE BUILDING. THE SITE GENERALLY SLOPES FROM SOUTH TO NORTH TO THE GOLF COURSE, AND THE PROPOSED GRADING FOR THE BUILDING WILL CONTINUE THE HISTORIC DRAINAGE PATTERN. THE INCREASE IN RUNOFF FROM EXISTING TO DEVELOPED IS VERY MINOR AS CAN BE SEEN IN THE DRAINAGE CALCULATIONS ON THIS SHEET. THE SITE IS NOT WITHIN A 100 YEAR FLOODPLAIN.



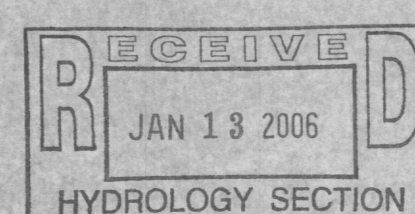
SCALE: 1" = 10'



A.C.S. 3-F18A  
X = 404,026.17 Y = 1,505,999.62  
Elevation = 5308.5

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.

RONI BOOTH, NMPE # 5853



**ABQ ENGINEERING, INC.**  
6739 Academy Rd., NE  
Suite 130  
Albuquerque, NM 87109  
505-255-7802

•Engineers • Planners  
•Construction Services



**DO NOT SCALE DRAWINGS.**  
CONTRACTOR TO VERIFY ALL  
EXISTING CONDITIONS AND  
DIMENSIONS. NOTIFY  
ENGINEER/ARCHITECT OF ANY  
DISCREPANCIES PRIOR TO  
BEGINNING CONSTRUCTION.

ARROYO DEL OSO GOLF COURSE  
7001 OSUNA ROAD N.E.  
ALBUQUERQUE, NEW MEXICO  
NEW STORAGE BUILDING

[illegible]

## GRADING PLAN

C-102