

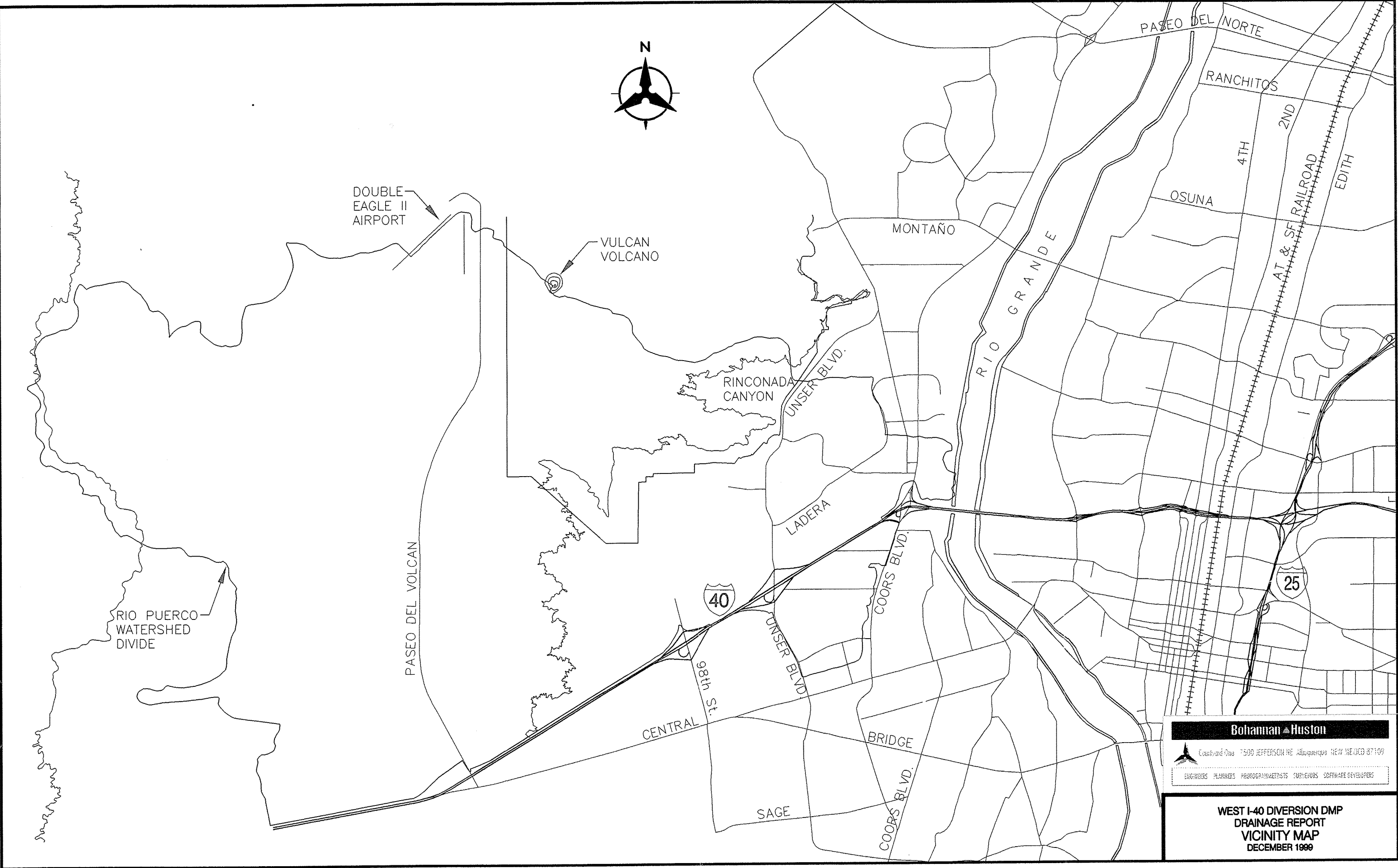
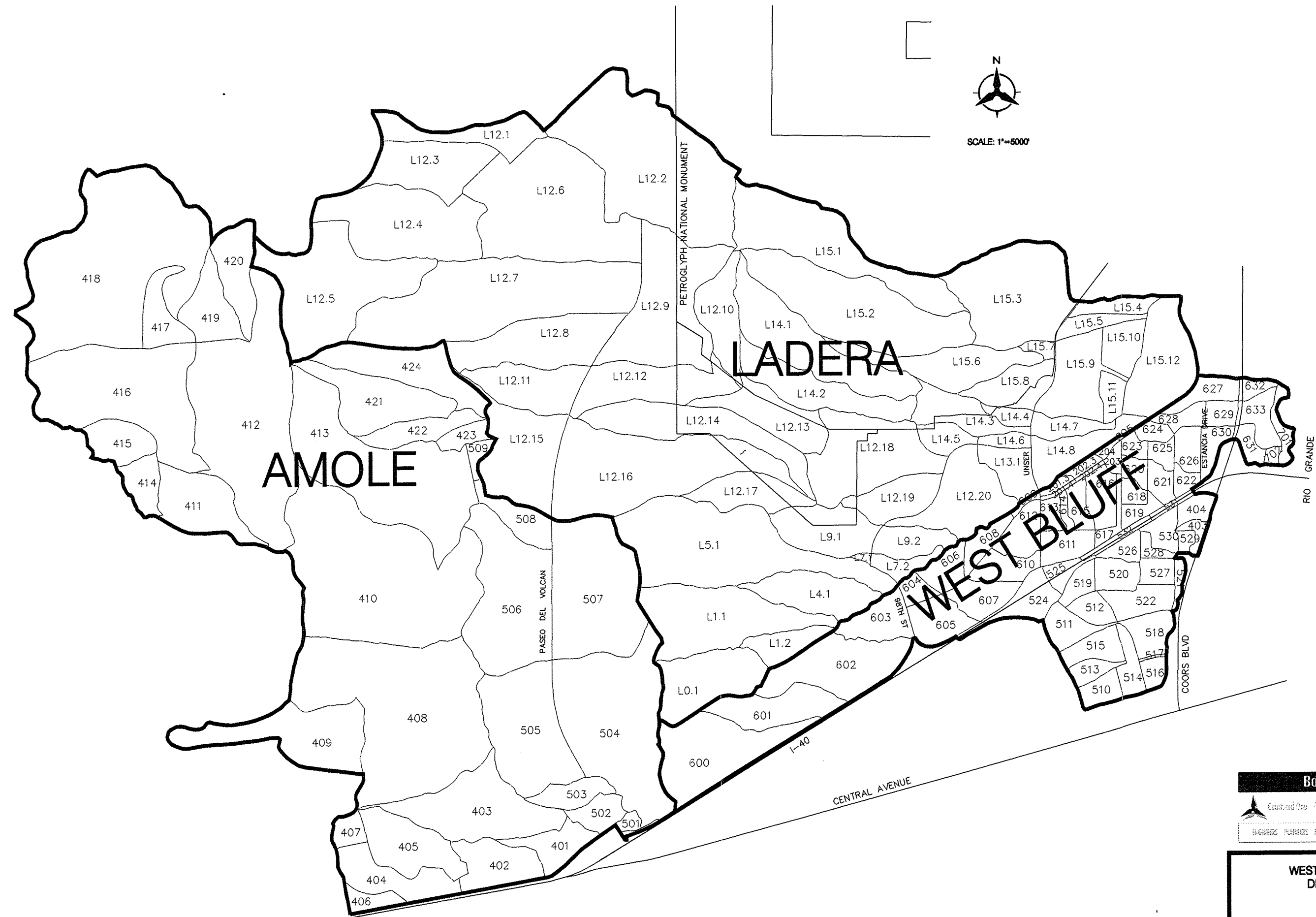


FIGURE 1



**Bohannon & Huston**  
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**WEST I-40 DIVERSION DMP  
DRAINAGE REPORT  
BASIN MAP  
MAY 1996**

FIGURE 2

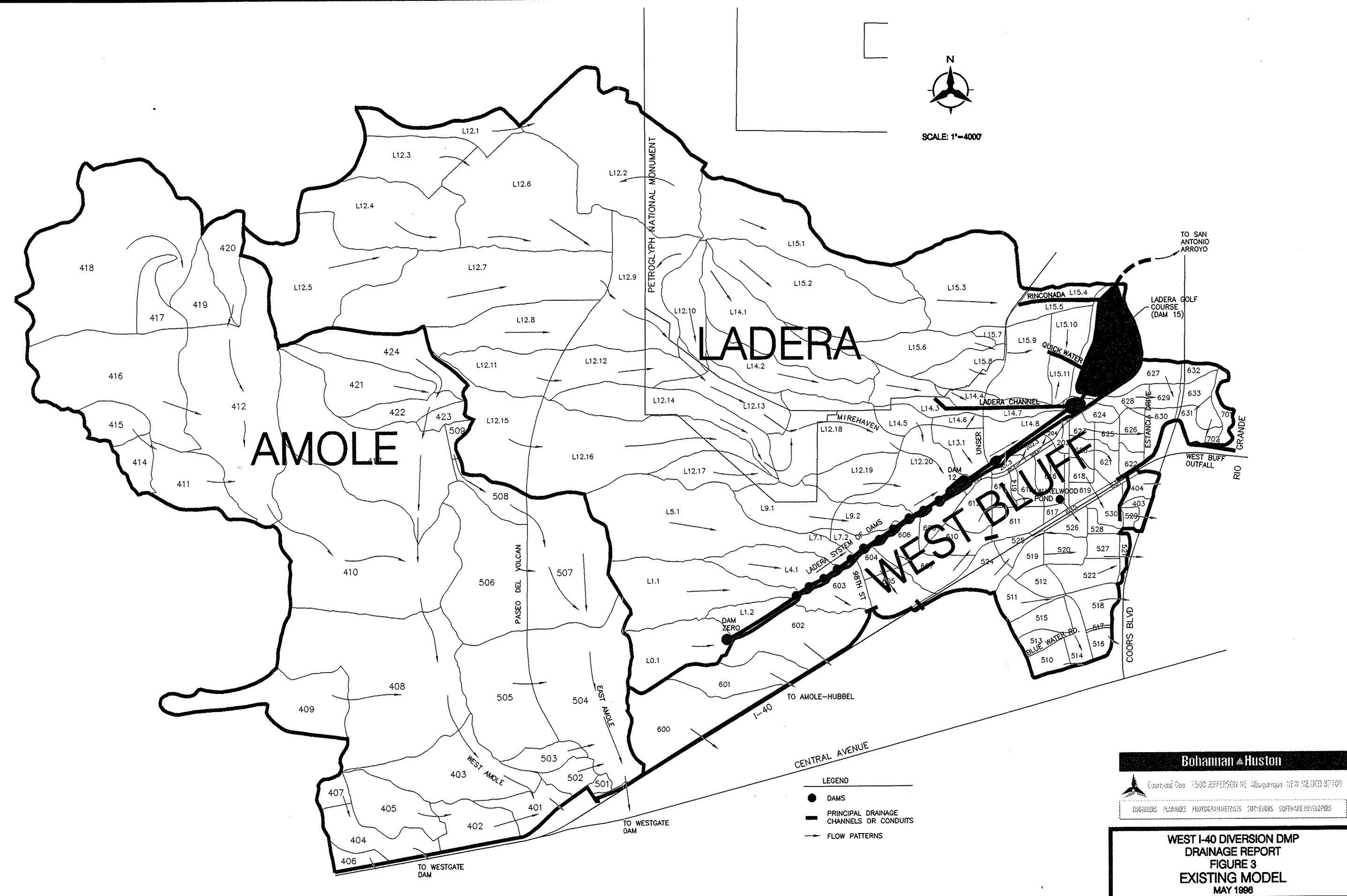
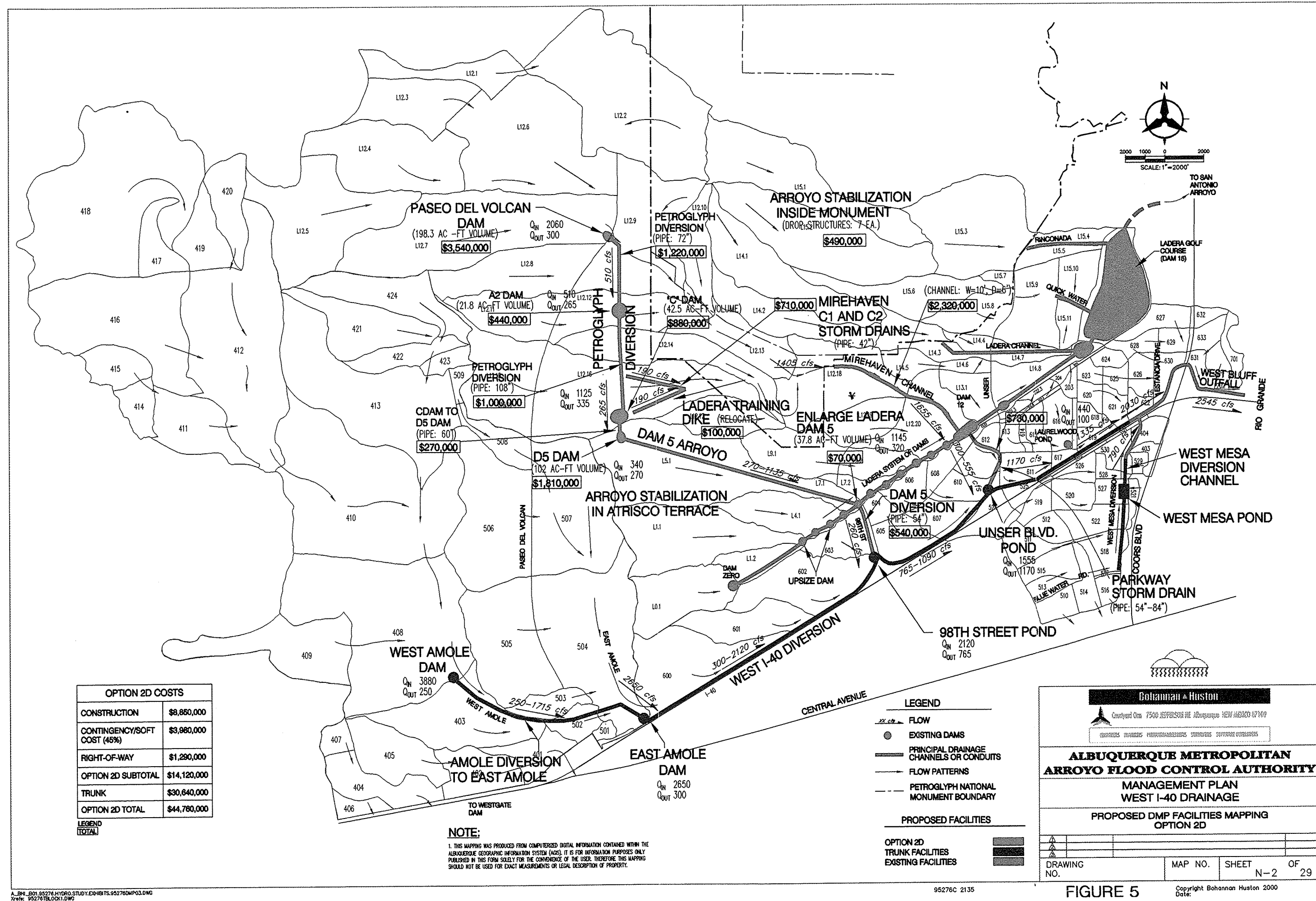


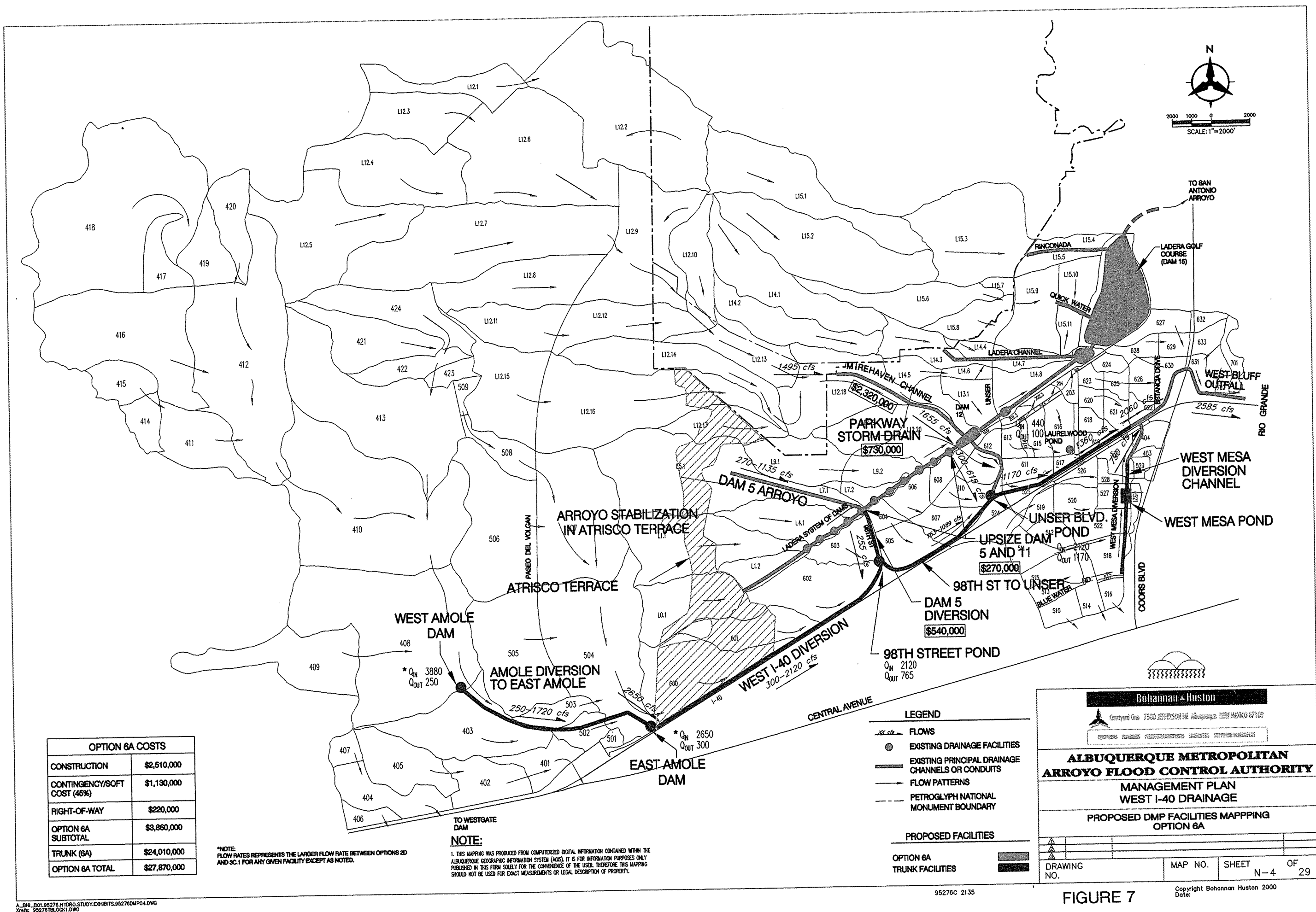
FIGURE 3

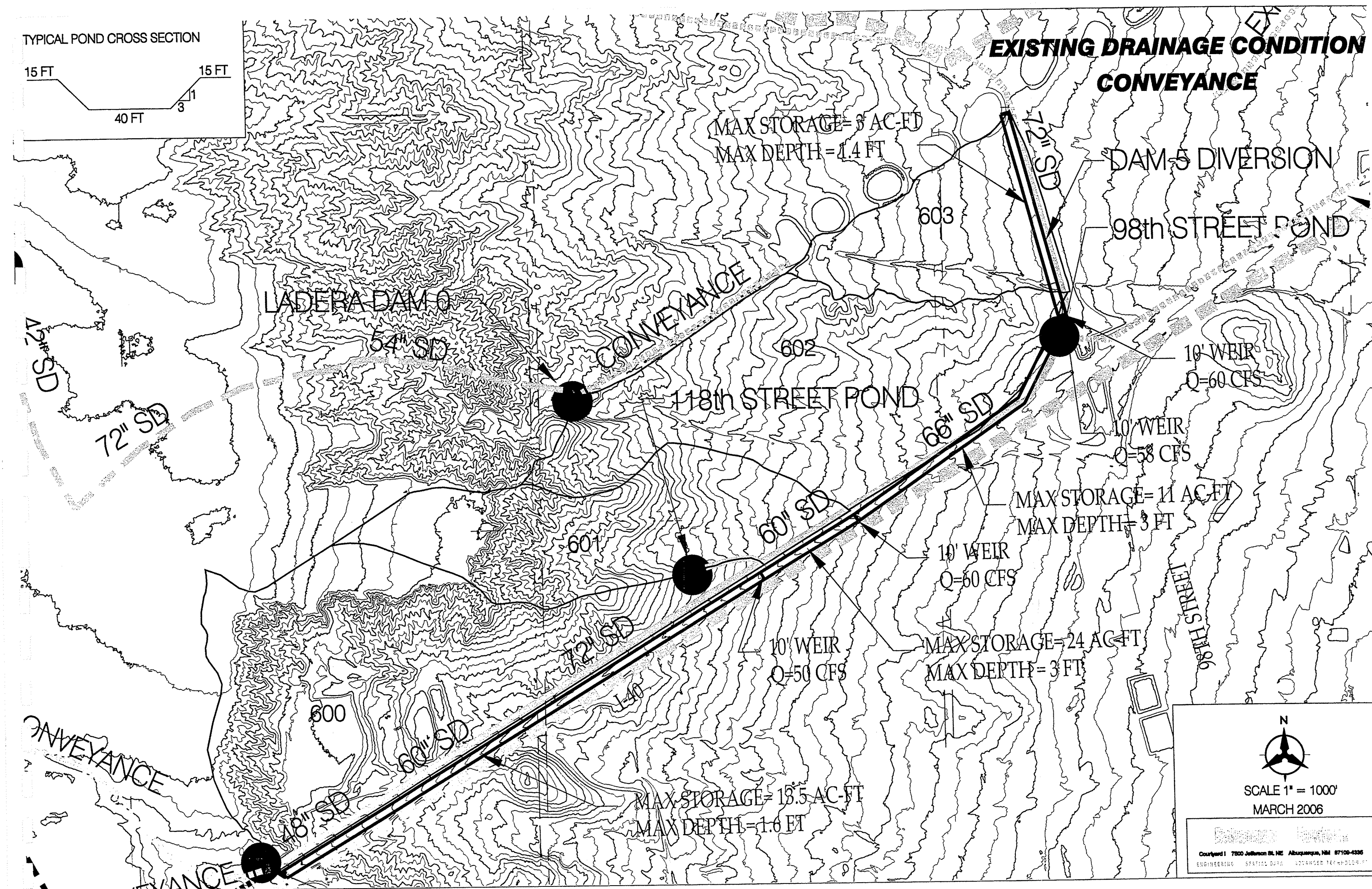


FIGURE 4



\* May be altered slightly by stormcloud





Date:

2/23/2006

| Free Discharge West I-40 DMP |                                |            |         |            |              | Optimized West I-40 DMP |         |            |              | West I-40  |          |               |              |
|------------------------------|--------------------------------|------------|---------|------------|--------------|-------------------------|---------|------------|--------------|------------|----------|---------------|--------------|
| Location                     | Flow Source                    | Influent Q | Stored  | Peak       | Time to Peak | Influent Q              | Stored  | Peak       | Time to Peak | Previous   | Previous | Previous Peak | Time to Peak |
| Reservoir                    |                                | (cfs)      | Volume* | Discharge* |              | (cfs)                   | Volume* | Discharge* |              | Influent Q | Volume   | Discharge     |              |
|                              |                                |            | (ac-ft) | (cfs)      | (hr)         |                         | (ac-ft) | (cfs)      | (hr)         | (cfs)      | (ac-ft)  | (cfs)         | (hr)         |
| West Amole Dam               | All of West Amole Watershed    | 5,925      | 425.51  | 227        | 5            | 4,151                   | 349.28  | 31         | 21           | 3670.44    | 599.2939 | 249.73        | 6            |
| Double Eagle Pond            | EA. 6, EA.1, EA.2, EA.3, EA.4  | 1,016      | 53.15   | 71         | 3            | 760                     | 40.23   | 41         | 3            | -          | -        | -             | -            |
| Southern Side of E.11        | EA.7, EA.8, EA.9, EA.11        | 1,244      | 61.62   | 225        | 3            | 932                     | 54.40   | 73         | 3            | N/A        | N/A      | N/A           | N/A          |
| East Amole Dam               | All of East Amole Watershed    | 2,280      | 262.52  | 225        | 20           | 2,073                   | 133.81  | 129        | 4            | 2562.21    | 265.53   | 297.14        | 9            |
| Pond #0                      | OS.1, UD.1a, UD.1b, OS.4       | 1,043      | 79.84   | 75         | 6            | 907                     | 31.53   | 95         | 3            | 458.51     | 2.54     | 380.52        | 2            |
| Pond #1                      | pond 0, UD.2                   | 482        | 34.24   | 61         | 19           | 361                     | 36.15   | 62         | 13           | 1017.38    | 40.94    | 263.81        | 2            |
| Pond #2                      | pond 1, UD.2, UD.3             | 228        | 27.98   | 56         | 27           | 171                     | 24.78   | 53         | 21           | 272.35     | 30.02    | 114.92        | 5            |
| Pond #3                      | Pond 2, UD.2, UD.3, UD.4       | -          | -       | -          | -            | -                       | -       | -          | -            | 480.54     | 45.43    | 43.05         | 44           |
| Pond #4                      | pond 3, UD.2, UD.3, UD.4       | 540        | 19.22   | 57         | 24           | 485                     | 19.18   | 55         | 21           | 172.61     | 15.47    | 38.93         | 17           |
| Dam 5 Arroyo Pond            | OS.5ab, UD.5ae                 | 773        | 91.83   | 283        | 13           | 613                     | 91.08   | 282        | 13           | 338.20     | 84.67    | 268.19        | 13           |
| Pond #5                      | dam 5 arroyo, pond #4 UD.4     | 550        | 33.66   | 333        | 15           | 503                     | 33.60   | 332        | 15           | 1144.63    | 33.19    | 321.10        | 2            |
| Pond #6                      | dam 5 arroyo, pond #4 UD.5     | 66         | 7.52    | 65         | 16           | 66                      | 7.52    | 65         | 16           | 77.27      | 7.53     | 65.16         | 14           |
| Pond #7                      | dam 5 arroyo, pond #4 UD.6     | 65         | 5.66    | 65         | 17           | 65                      | 5.66    | 65         | 17           | 65.33      | 5.68     | 65.32         | 15           |
| Pond #8                      | dam 5 arroyo, pond #4 UD.7     | 65         | 19.25   | 65         | 30           | 65                      | 19.25   | 65         | 30           | 65.48      | 19.31    | 64.75         | 30           |
| Pond #9                      | dam 5 arroyo, pond #4 UD.8     | 554        | 21.49   | 63         | 30           | 554                     | 21.49   | 63         | 30           | 559.76     | 15.19    | 81.92         | 2            |
| Pond #10                     | dam 5 arroyo, pond #4 UD.9     | 77         | 52.79   | 46         | 30           | 77                      | 52.79   | 46         | 30           | 81.91      | 41.25    | 56.15         | 30           |
| Pond #11                     | dam 5 arroyo, pond #4 UD.10    | 560        | 20.92   | 40         | 30           | 560                     | 20.92   | 40         | 30           | 585.66     | 29.32    | 53.72         | 30           |
| Pond #12                     | dam 5 arroyo, pond #4 UD.11    | 1,657      | 58.73   | 1334       | 2            | 1,657                   | 58.73   | 1334       | 2            | 1602.83    | 58.17    | 1162.08       | 2            |
| 118th Street Pond            | OS.5, ST.1, St.2, I40          | 720        | 59.22   | 221        | 27           | 682                     | 19.35   | 134        | 3            | N/A        | N/A      | N/A           | N/A          |
| 98th Pond                    | all basins west of 98th        | 975        | 29.33   | 476        | 17           | 967                     | 15.75   | 682        | 2            | 2047.13    | 43.24    | 774.01        | 2            |
| Unser Pond                   | all basins west of Unser Blvd. | 887        | 42.62   | 475        | 18           | 946                     | 42.76   | 476        | 2            | 1440.28    | 41.31    | 1157.83       | 2            |