



| DETENTION PONDS - SERVICE AREA TABLE                 |                     |                   |                      |
|--|---------------------|-------------------|----------------------|
| DETENTION REQUIRED                                   |                     |                   |                      |
| EXISTING DEVELOPMENT                                 |                     |                   |                      |
| SEDONA LAKES SECTION ONE                             | 28.89 AC.           | 0.65 AC.FT./AC. = | 18.78 AC.FT.         |
| SEDONA LAKES SECTION TWO                             | 28.22 AC.           | 0.65 AC.FT./AC. = | 17.04 AC.FT.         |
| SEDONA LAKES SECTION THREE                           | 68.66 AC.           | 0.65 AC.FT./AC. = | 44.63 AC.FT.         |
| POND 1, 2, 3, & 4                                    | (1.97) AC.          | 0.65 AC.FT./AC. = | (1.28) AC.FT.        |
| -WETLANDS  |                     |                   |                      |
| SEDONA LAKES SECTION FOUR                            | 10.81 AC.           | 0.65 AC.FT./AC. = | 7.03 AC.FT.          |
| SEDONA LAKES SECTION FIVE                            | 29.92 AC.           | 0.65 AC.FT./AC. = | 19.45 AC.FT.         |
| SEDONA LAKES SECTION SIX                             | 19.22 AC.           | 0.65 AC.FT./AC. = | 12.49 AC.FT.         |
| SEDONA LAKES SECTION SEVEN                           | 16.77 AC.           | 0.65 AC.FT./AC. = | 10.90 AC.FT.         |
| SEDONA LAKES SECTION EIGHT                           | 36.15 AC.           | 0.65 AC.FT./AC. = | 23.50 AC.FT.         |
| POND 5   |                     |                   |                      |
| -STRIP ALONG MUSTANG BAYOU                           | (4.10) AC.          | 0.65 AC.FT./AC. = | (2.67) AC.FT.        |
| SEDONA LAKES SECTION NINE                            | 38.61 AC.           | 0.65 AC.FT./AC. = | 25.10 AC.FT.         |
| POND 5, WTP  |                     |                   |                      |
| -STRIP SOUTH OF POND 5                               | (2.32) AC.          | 0.65 AC.FT./AC. = | (1.51) AC.FT.        |
| COMMERCIAL   | 3.79 AC.            | 0.65 AC.FT./AC. = | 2.46 AC.FT.          |
| CVS, C-STORE   |                     |                   |                      |
| CR 101 & 94  | 2.67 AC.            | 0.65 AC.FT./AC. = | 1.74 AC.FT.          |
| <b>SUBTOTAL</b>                                      | <b>273.32 AC.</b>   |                   | <b>177.66 AC.FT.</b> |
| FUTURE DEVELOPMENT                                   |                     |                   |                      |
| NORTHEAST CORNER - SOUTH OF AMERICAN CANAL           |                     |                   |                      |
| COMMERCIAL   | 2.40 AC.            | 0.65 AC.FT./AC. = | 1.56 AC.FT.          |
| CR 101 AT AMERICAN CANAL                             | 4.24 AC.            | 0.65 AC.FT./AC. = | 2.76 AC.FT.          |
| CR 94 AT AMERICAN CANAL                              | 2.88 AC.            | 0.65 AC.FT./AC. = | 1.87 AC.FT.          |
| NW CORNER OF CR 101 AND CR 94                        | 2.15 AC.            | 0.65 AC.FT./AC. = | 1.40 AC.FT.          |
| CR 101 AT FRONTAGE LOOP                              | 2.09 AC.            | 0.65 AC.FT./AC. = | 1.36 AC.FT.          |
| IVY KIDS   | 1.66 AC.            | 0.65 AC.FT./AC. = | 1.08 AC.FT.          |
| <b>SUBTOTAL</b>                                      | <b>15.42 AC.</b>    |                   | <b>10.03 AC.FT.</b>  |
| <b>TOTAL DEVELOPABLE</b>                             | <b>288.74 AC.</b>   |                   | <b>187.69 AC.FT.</b> |
| DETENTION PROVIDED                                   |                     |                   |                      |
|  |                     | STATIC W.S.       | 100 YR. W.S.         |
| DETENTION POND ONE (AMENITY POND ONLY)               | N/A AC.FT.          | 60.00             | N/A                  |
| DETENTION POND TWO                                   | 39.08 AC.FT.        | 53.50             | 60.40                |
| DETENTION POND THREE                                 | 36.24 AC.FT.        | 53.50             | 60.40                |
| DETENTION POND FOUR                                  | 35.28 AC.FT.        | 53.50             | 60.40                |
| DETENTION POND FIVE                                  | 68.50 AC.FT.        | 52.85             | 59.60                |
| DETENTION POND SIX                                   | 13.7 AC.FT.         | N/A               | 61.5                 |
| <b>TOTAL</b>   | <b>192.8 AC.FT.</b> |                   |                      |
| <b>EXCESS DETENTION CAPACITY: 7.86 AC 5.11 AC-FT</b> |                     |                   |                      |




DETENTION PARAMETERS WERE ESTABLISHED IN THE DRAINAGE ANALYSIS REPORT TITLED "MASTER DRAINAGE PLAN FOR SEDONA LAKES, PHASES I, II, III AND COMMERCIAL TRACTS" DATED MARCH 2011 AND PREPARED BY JACOBS ENGINEERING GROUP, INC.

| FLOODPLAIN MITIGATION SUMMARY  |                   |
|--|-------------------|
| FILL PLACED IN FLOODPLAIN  |                   |
| EXISTING DEVELOPMENT   |                   |
| SEDONA LAKES SECTION ONE, TWO, AND THREE                                     | 31 AC-FT          |
| SEDONA LAKES SECTION FOUR, FIVE, AND SIX                                     | 12 AC-FT          |
| SEDONA LAKES SECTION SEVEN, EIGHT, AND NINE                                  | 9 AC-FT           |
| CVS (CR 94 @ CR 101)   | 3.1 AC-FT         |
| C-STORE (CR 94 @ CR 101)   | 3.9 AC-FT         |
| FUTURE IVY KIDS  | 3.9 AC-FT         |
| <b>SUBTOTAL</b>  | <b>62.9 AC-FT</b> |
| FLOODPLAIN MITIGATION PROVIDED   |                   |
| EXISTING DEVELOPMENT   |                   |
| SEDONA LAKES SECTION POND 1-4  | 61.1 AC-FT        |
| SEDONA LAKES SECTION POND 5  | 24.0 AC-FT        |
| SEDONA LAKES SECTION POND 5  | 2.3 AC-FT         |
| <b>SUBTOTAL</b>  | <b>87.4 AC-FT</b> |
| <b>EXCESS MITIGATION VOLUME AVAILABLE FOR FUTURE DEVELOPMENTS 24.5 AC-FT</b> |                   |

MITIGATION PARAMETERS WERE ESTABLISHED IN THE TECHNICAL MEMORANDUM TITLED "SEDONA LAKES PHASE 2 & 3 ADDENDUM TO APPROVED DRAINAGE MASTER PLAN" DATED MARCH 2012 PREPARED BY BROWN & GAY ENGINEERS, INC.



**LEGEND:**

|   |   |
|---|---|
|  | INDICATES PONDS 2, 3 AND 4 SERVICE AREA |
|  | INDICATES POND 5 SERVICE AREA           |
|  | INDICATES POND 6 SERVICE AREA           |

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# SEDONA LAKES MUD DETENTION/MITIGATION SERVICE AREA MAP

|                   |                     |                   |                    |
|-------------------|---------------------|-------------------|--------------------|
| Scale:<br>1"=500' | Job No.:<br>1003-00 | Date:<br>APR_2019 | Exhibit:<br>1_OF_1 |
|-------------------|---------------------|-------------------|--------------------|