

**ATTACHMENT 2-5**  
**DETENTION BASIN DESIGN FORM**

Design Storm: \_\_\_\_\_  
Drainage Area: \_\_\_\_\_  
Undeveloped "C": \_\_\_\_\_  
Developed "C": \_\_\_\_\_  
Outflow Rate: \_\_\_\_\_  
Pond Size: \_\_\_\_\_

Project Title: \_\_\_\_\_  
CDN \_\_\_\_\_  
Registered \_\_\_\_\_  
Professional \_\_\_\_\_  
  
Date: \_\_\_\_\_

| Duration<br>(hr.min) | Rain<br>(in.) | ΔT<br>(min.) | ΔR<br>(ft.) | Inflow Volume<br>(acre-ft) | Stage<br>(ft.) | Discharge<br>(c.f.s.) | Outflow<br>Volume<br>(acre-fy) | Incremental<br>Storage<br>Volume<br>(acre-ft) | Cumulative<br>Subgrade<br>Volume<br>(acre-ft) | Stage<br>(ft.) |
|----------------------|---------------|--------------|-------------|----------------------------|----------------|-----------------------|--------------------------------|---|---|----------------|
| 0-5                  |               | 5            |             |                            |                |                       |                                |   |   |                |
| 0-15                 |               | 10           |             |                            |                |                       |                                |   |   |                |
| 0-30                 |               | 15           |             |                            |                |                       |                                |   |   |                |
| 0-45                 |               | 15           |             |                            |                |                       |                                |   |   |                |
| 1-0                  |               | 15           |             |                            |                |                       |                                |   |   |                |
| 1-30                 |               | 30           |             |                            |                |                       |                                |   |   |                |
| 2-0                  |               | 30           |             |                            |                |                       |                                |   |   |                |
| 3-0                  |               | 60           |             |                            |                |                       |                                |   |   |                |
| 4-0                  |               | 60           |             |                            |                |                       |                                |   |   |                |
| 6-0                  |               | 120          |             |                            |                |                       |                                |   |   |                |
| 8-0                  |               | 120          |             |                            |                |                       |                                |   |   |                |
| 12-0                 |               | 240          |             |                            |                |                       |                                |   |   |                |
| 24-0                 |               | 720          |             |                            |                |                       |                                |   |   |                |