

CITY OF JONESBORO

Agreement for Professional Services for Various Drainage Projects within the City of Jonesboro

Project Description: Whiteman's Creek Drainage Basin - North of
Wilkins Ave. and West of Marketplace Drive

Project Scope: Develop preliminary plan to alleviate flooding
associated with an undersized storm drain that
serves the retail district at Highland Drive
and Caraway Road.

We agree that based on the attached rates for professional services and for an amount not to
exceed \$10,800.00 We will provide to the City of Jonesboro on or before
the date of Oct. 3, 2006 the following:

1. Conceptual drawings of possible alternatives to remediate the above described
drainage problems.
2. A preliminary estimate for each alternative or option presented.
3. A fee proposal for professional services to be required after this
preliminary analysis is complete based on percent of construction
costs and rate schedule for additional work.
4. A progress schedule to include both Engineering Services and
Construction

The City of Jonesboro will furnish the following:

1. Aerial Photography with 2' contours for the project area
2. Any available Hydrological or Hydraulic information available
3. Historical evidence and observations of flooding in the area.
4. Format for submitting preliminary estimates for the project
to include Engineering and Construction costs.

NRS Consulting Engineers
1220 Stone Street
Jonesboro, AR 72401
(870) 972-5316

STANDARD FEE SCHEDULE FOR ENGINEERING SERVICES

| | |
|---------------------|----------|
| Project Manager | \$135.00 |
| Senior Engineer | \$105.00 |
| Design Engineer | \$90.00 |
| Senior Technician | \$75.00 |
| Technician/CADD/GIS | \$65.00 |
| Field Survey Party | |
| Two Man Crew | \$90.00 |
| Three Man Crew | \$95.00 |
| Four Man Crew | \$110.00 |
| GPS | \$135.00 |
| Administrative | \$35.00 |

PROJECT DESCRIPTION

Whiteman's Creek Drainage Basin - North of Wilkin's Ave. and West of Marketplace Drive

OPTION/ALTERNATE DESCRIPTION

Detention Pond on Vacant Property North of Wilkin's Ave. and West of Marketplace Drive.

| Description of Cost | Estimated High | Estimated Low | Estimated Mean | Estimated Average |
|--|----------------|---------------|----------------|-----------------------|
| Site Preparation | \$25,000.00 | \$15,000.00 | \$17,000.00 | \$20,000.00 |
| Construction Staking | \$10,000.00 | \$6,000.00 | \$9,000.00 | \$8,000.00 |
| SWPPP | \$8,000.00 | \$4,000.00 | \$7,000.00 | \$6,000.00 |
| Earthwork | \$675,000.00 | \$525,000.00 | \$635,000.00 | \$600,000.00 |
| Structures and Culverts | \$140,000.00 | \$100,000.00 | \$130,000.00 | \$120,000.00 |
| Seed and Straw | \$120,000.00 | \$80,000.00 | \$110,000.00 | \$100,000.00 |
| Fencing | \$60,000.00 | \$40,000.00 | \$55,000.00 | \$50,000.00 |
| Riprap | \$6,000.00 | \$4,000.00 | \$5,500.00 | \$5,000.00 |
| Other | | | \$968,500.00 | \$909,000.00 |
| SUBTOTAL (CONSTRUCTION COSTS) | | | | \$938,750.00 |
| Preliminary Engineering | \$10,800.00 | 1.15% | | \$10,800.00 |
| ROW and Easements | 10 ac. | \$50,000/ac. | | \$500,000.00 |
| Utility Adjustments | 2.00% | | | \$18,775.00 |
| Permits | 3.50% | | | \$32,856.25 |
| Engineering Design | 8.00% | | | \$75,100.00 |
| Construction Inspection | 6.00% | | | \$56,325.00 |
| Other | 12.00% | | | \$112,650.00 |
| SUBTOTAL (ENGR, ROW, UTILITIES, ETC.) | | | | \$806,506.25 |
| TOTAL ESTIMATED COST | | | | \$1,745,256.25 |