

## AMENDMENT #3

### EXHIBIT 1

Amend contract as follows:

**TASK 5** – Public Engagement (Present Existing Conditions Results and Get Feedback from Stakeholders)

TASK 5 SCOPE:

***Remove Task 5.2 and replace with the following scope:***

5.2 AE2S will assist City staff in facilitating focus group discussions following PIM #2 with three staff to lead table discussions at three tables.

**Fee: (\$8,529) (incremental deduct)**

**Fee: \$15,721 (Revised Total, including Original Contract and Addenda 1 through 3)**

**TASK 6** – Evaluate Flood Mitigation Alternatives

***Replace Task 6.2, 3) under “Create ‘Maximum Peak Flow Control Infrastructure (PFCI) Model’” with:***

- Prepare for and attend brainstorming session with City to identify potential PFCI. Preparation will include review of City-provided shapefiles – provided in Task 6.2, 2) above, reasons for flooding, and experience gained from previous Watershed Studies to develop potential “high-level idyllic solutions”.
- Develop draft “Max PFCI Model” (referred to as Model 2) that builds on the final, calibrated existing conditions model (referred to as Model 1) that includes the following improvements:
  - Conveyance improvements to Gammon Road sag immediately west of West Towne Pond
  - Increasing outlet capacity for West Towne Pond and keeping stage-storage relationship the same as existing. Keeping peak discharge the same or lower and increasing stage-storage.
  - Conveyance improvements to greenway crossings:
    - ❖ Yellowstone Drive
    - ❖ Quarterdeck Drive
    - ❖ Inner Drive
    - ❖ Nautilus Drive
    - ❖ Masthead Drive
    - ❖ Regent Street
    - ❖ Jetty Drive
  - Improvements from Bordner Park to the railroad, Park Way to Gettle Avenue, and storage in the Glen Oaks Hills Parkway to reduce flooding along Gettle Avenue.

- Meet with City staff (occurring separate from monthly progress meetings) to discuss draft results.
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- Create a “Stepped Max PFCI Solutions” approach building on the draft Max PFCI Model:
  - Model 3: Include Model 2 improvements (except Bordner Park and Glen Oaks Hills Parkway improvements) and modify West Towne Pond such that peak discharge from the pond remains the same or is lowered and the stage-storage is increased both by excavation and lowering the normal pool.
  - Model 4: Include Model 3 improvements and add conveyance improvements from Owen Park to Bordner Park
  - Model 5: Include Model 4 improvements and maximize storage in the Masthead-Nautilus Greenway and Garner Park Pond
  - Model 6: Include Model 5 improvements and re-add Bordner Park to the railroad capacity improvements to the existing box storm sewer.
  - Model 7: Using Model 5 improvements and add conveyance capacity to existing box storm sewer from the railroad to Spring Harbor
  - Model 8: Using Model 7 improvements, re-add Bordner Park to the railroad capacity improvements (so that capacity is increased from Bordner Park all the way to Spring Harbor).
  - Model 9: Not included
  - Model 10: Using Model 8 improvements, re-add Glen Oaks Hills Park storage improvements from Draft Max PFCI model).
  - Model 11: Complete screening evaluation of two alternatives for reducing flow downstream of Bordner Park:
    - ❖ Estimate area needed to create sufficient storage to eliminate 100-year Bordner Park overflow with existing box storm sewer outlet / invert.
    - ❖ Estimate additional depth / pumping needed to create sufficient storage to eliminate 100-year Bordner Park overflow with existing box storm sewer outlet / invert and current Bordner Park footprint.
- At each stepped solution, coordinate with City PM prior to proceeding to the next stepped solution.
- Provide additional Deliverables as outlined in “Task 6 Deliverables”

#### TASK 6 DELIVERABLES:

##### ***Add the following deliverables to Task 6.2, 3):***

1. Task 6.2, 3) Maximum PFCI Model
  - 100-year 11x17 map for City’s use in discussing with other City agencies and staff.
  - Screenshot schematic illustrating improvements

TASK 6 ASSUMPTIONS:

***Add the following assumptions:***

11. “Stepped Solutions” models:

- Will only be evaluated for the 100-year event.
- For improvements not already developed as part of draft “Max PFCI model”, up to one iteration on the sizing will be completed following coordination with City PM.
- For improvements not already developed as part of draft “Max PFCI model”, including these solutions in the Final PFCI model (along with all associated deliverables) is not included in this addendum.

**Fee: \$31,814 (Increment)**

**Fee: \$162,014 (Revised Total, including Original Contract and Addenda 1 through 3)**