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|----------------------|-----------------------------------------------|------------------------------------------------------------------------------------|
| <b>To:</b>           | Village of Orland Park                        | <b>Contact:</b> Mr. Doug Medland                                                   |
| <b>Address:</b>      | 14700 Ravinia Avenue                          | <b>Phone:</b> 708.403.5300                                                         |
|                      | Orland Park, Illinois 60462                   | <b>Email:</b> <a href="mailto:dmedland@orlandpark.org">dmedland@orlandpark.org</a> |
| <b>Project Name:</b> | Butterfield Pond Bank Grading & Stabilization | <b>Ref #:</b> B17-136                                                              |
| <b>Location:</b>     | Orland Park, Illinois                         | <b>Date:</b> 9/12/2018                                                             |
|                      |                                               | <b>Estimator:</b> Tom Foster                                                       |

| 1.00            | BUTTERFIELD POND DREDGING                   | QUANTITY  | UNIT | UNIT PRICE   | TOTAL                |
|-----------------|---------------------------------------------|-----------|------|--------------|----------------------|
| 1.10            | GENERAL CONDITIONS & EROSION CONTROL        |           |      |              |                      |
| 1.11            | USACE Permitting Notice                     | 1.000     | LSUM | \$ 5,300.00  | \$ 5,300.00          |
| 1.12            | Mobilization                                | 1.000     | LSUM | \$ 16,320.00 | \$ 16,320.00         |
| 1.13            | Survey & Site Control                       | 1.000     | LSUM | \$ 6,500.00  | \$ 6,500.00          |
| 1.14            | Construction Access (Mats)                  | 400.000   | SY   | \$ 49.00     | \$ 19,600.00         |
| 1.15            | Construction Entrance                       | 125.000   | SY   | \$ 25.00     | \$ 3,125.00          |
| 1.20            | DEMOLITION                                  |           |      |              |                      |
| 1.21            | Clearing & Vegetation Removal (0.5 AC)      | 1.000     | LSUM | \$ 16,000.00 | \$ 16,000.00         |
| 1.22            | Boom Spray - Non Residual / Non-Selective   | 2.000     | EACH | \$ 900.00    | \$ 1,800.00          |
| 1.30            | DREDGING                                    |           |      |              |                      |
| 1.31            | CCDD Sampling & Testing                     | 1.000     | LSUM | \$ 7,500.00  | \$ 7,500.00          |
| 1.32            | Dewatering                                  | 1.000     | LSUM | \$ 14,950.00 | \$ 14,950.00         |
| 1.33            | Excavate & Dispose Sediment                 | 3,345.000 | CY   | \$ 49.00     | \$ 163,905.00        |
| 1.40            | RESTORATION                                 |           |      |              |                      |
| 1.41            | Seedbed Preparation                         | 0.750     | ACRE | \$ 5,500.00  | \$ 4,125.00          |
| 1.42            | Native Seeding W/ Cover Crop                | 0.750     | ACRE | \$ 6,500.00  | \$ 4,875.00          |
| 1.43            | Turf Seeding                                | 0.250     | ACRE | \$ 6,000.00  | \$ 1,500.00          |
| 1.44            | Erosion Control Blanket Installation        | 3,000.000 | SY   | \$ 2.70      | \$ 8,100.00          |
| 1.45            | Plug Installation - Wetland Shelf (1600 SY) | 3,500.000 | EACH | \$ 5.75      | \$ 20,125.00         |
| 1.46            | Sidewalk Replacement                        | 250.000   | SF   | \$ 25.00     | \$ 6,250.00          |
| <b>SUBTOTAL</b> |                                             |           |      |              | <b>\$ 299,975.00</b> |

**Project Notes:**

- 1.0 This estimate includes sediment excavation to reshape the slopes and haul-off any excess material to achieve an approximate minimum depth of 4-feet of water in as large a footprint as feasible.
- 2.0 This scope will include shaping of the perimeter slopes and installation of erosion control measures for long term stabilization of the slopes and embankment.
- 3.0 Construction access will be between two houses as shown on the attached exhibit. Note that this access may exceed what we understand to be a 10-foot easement in this area. Turf restoration of the access will be provided.
- 4.0 No allowance for disposal of contaminated or hazardous materials has been provided for in this estimate. Disposal rates assume material can be disposed of at a CCDD facility. Should the Village provide a disposal location within a 10-mile radius of the project site the disposal fees can be reduced by \$20/CY depending on disposal site requirements.
- 5.0 No allowance for long term native area maintenance and monitoring is provided in this estimate. For budgeting purposes, an allowance of \$8,000/year is recommended but should be verified through defining scope and performance standards.
- 6.0 We have not provided as-built drawings as part of this estimate. It is our understanding that the work detailed below is considered maintenance and will only require USACE notice. Permit drawings / fees are not provided in this estimate.
- 7.0 This estimate specifically excludes: any special insurance (waiver of subrogation, pollution liability insurance), and testing including QC/QA, handling or disposal of hazardous materials or non-hazardous special waste material, & compaction or material testing.
- 8.0 It is V3's assessment that the planting work to be performed pursuant to this Contract is neither the construction nor demolition of public works and therefore the Illinois Prevailing Wage Act does not apply to the any restoration activities identified in this estimate.
- 9.0 Quantities represented herein are estimated for pricing purposes. Actual quantities and will be based on site conditions experienced during construction.



EMERGENT WETLAND



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# BUTTERFIELD POND DREDGING

- Notes:**
- \* 4' Water Depth
  - \* Maximize Open Water
  - \* Habitat Enhancement
  - \* Water Quality Improvement
  - \* Soil Erosion Protection with Native Veg.
  - \* Not ideal depth for fish habitat
  - \* \$300,000 Total Cost

09-12-2018

TAF