

January 30, 2019

**TO:** All Bidders under ITB No. 19-101155, Glen Emerald Lake Dam Repair

**FROM:** Department of Purchasing and Contracting, DeKalb County, Georgia

**ADDENDUM NO. # 1**

**Invitation to Bid (ITB) No.: 19-101155, Glen Emerald Lake Dam Repair** is hereby amended as follows:

1. The Bid Due Date has been extended, the bids are now due on **Wednesday, February 26, 2020 @ 3:00 PM EST.**
2. The Question Due Date has been extended, questions are now due **Tuesday, February 11, 2020 by 5:00 PM EST.**
3. An additional **Mandatory LSBE Meeting** has been scheduled for **Wednesday, February 5, 2020 (either session)**. Only those contractors who attended the Mandatory Pre-Bid Conference on January 16, 2020 should attend, if they have not previously attended a LSBE Meeting. Bids will only be considered from those contractors who have participated in BOTH Mandatory Meetings.
4. **DELETE** Pages 22-28, Bid Price Forms and **REPLACE** with **REVISED** Pages 22-28, Bid Price Forms herein. Failure to utilize and return the revised pages 22-28, Bid Price Forms, in a separate sealed envelope will deem your bid non-responsive.
5. **Questions have been received and there resulting answers are below:**
  - a. **Question:** Bid item 9. dam undercut and dam embankment excavation, these are two very different types of excavation. Would you consider splitting them into two separate bid items?

**Answer:** *The short answer is no. Below is the background on how we came up with combining into one bid item. Based upon the Report of Subsurface Exploration and Geotechnical Engineering Evaluation, Rehabilitation of Glen Emerald Dam, DeKalb County, Georgia, PGC Project No. 109036 prepared by Piedmont Geotechnical Consultants, Inc. dated October 28, 2009, the dam embankment excavation is anticipated to have excess moisture content that would require drying before reuse in the dam embankment. Also, the dam embankment excavation possibly may be unsuitable for use in the new dam embankment. The Geotechnical Engineer will determine the final suitability of the dam embankment excavation for use in the new dam embankment at time of excavation. Therefore, dam embankment excavation was*

*considered similar in nature to the dam undercut excavation, thus treated in same manner and does not warrant two separate bid items.*

- b. **Question:** Bid item 13 Toe Drain is set up as a lump sum item but detail 4 on drawing C8-03 calls for the toe drain to extend 24” below residual soil. Because we cannot be sure how deep the toe drain will extend this should be set up on a unit price basis

**Answer:** *Bid item 13 Toe Drain includes the excavation, filter fabric, #89 stone, #57 stone, perforated PVC pipe and C-33 sand. The lump sum Bid Item will be amended to include a 3 feet depth of C-33 sand depth. Additional C-33 sand required to increase the depth of the toe drain a minimum of 2 feet into residual soil will be measured and paid for under Bid Item 16 Additional C-33 Drain Aggregate. The Geotechnical Engineer will determine the final depth of the toe drain at time of excavation. The Geotechnical Engineer must be given the required notice of toe drain excavation for measure of the Additional C-33 Drain Aggregate. Please utilize Revised Pages 22 – 28, Bid Price Forms included in this Addendum. Failure to utilize and return these Revised Forms, in a separate sealed envelope, will deem your bid non-responsive.*

- c. **Question:** There is a bid item 13 toe drain and an item 14 foundation drain, in the plans it is difficult to see where one stops and the other starts. Please clarify.

**Answer:** *Bid Item 13 toe drain includes the elements of the toe drain as shown on Detail 4 on Drawing C8-03 below the callout Pad Grade = 862-863 +/- . Bid Item 14 Foundation Drain includes the elements of the foundation drain as shown on Detail 4 on Drawing C8-03 above the callout Pad Grade = 862-863 +/- . The foundation drain includes preparation of subgrade to receive the foundation drain, placement of the C33 sand and perforated PVC pipe.*

- d. **Question:** Also, Measurement and payment items L. and M. both include removal and replacement of contaminated drain aggregate please explain this in more detail.

**Answer:** *The toe drain, foundation drain, chimney drain and spillway underdrain are composed of natural drainage aggregates that function to collect seepage thru the dam. If these drainage aggregates become clogged with sediment they no longer can function to promote drainage of seepage. Therefore, it is the responsibility of the contractor to protect the natural drainage aggregates from contamination caused by erosion, surface flow of sediment into the drain, or other undesired contamination of the drainage aggregate until the drain can be completed. If the drainage aggregate becomes contaminated during construction, then the contractor must remove and replace the contaminated aggregate at no additional cost to the Owner. The Geotechnical Engineer will make the determination of whether the drain has been contaminated and establish the limits of removal and replacement.*

- e. **Question:** Drawing C3-01 Principal Spillway Profile at the SAF Basin walls notes call for 6" pvc pipe tee cast into wall to penetrate at 865 and cleanouts at top of wall. Is this calling for us to cast the 6" pvc pipe into the 1'-6" thick concrete wall?

**Answer:** Yes

- f. **Question:** It is unclear how the spillway underdrains run. Please give us a more complete plan and details.

**Answer:** The 6" PVC solid wall outlet pipe from the spillway underdrain under the SAF basin is incorporated in the two walls of the SAF basin. Water pressure under the SAF Basin will be relieved by the 6" PVC wall penetration located at elevation 865.

The spillway underdrain under each section of the chute spillway is isolated by the spillway cutoff wall located at the downstream end of each spillway section. See Detail 1 Drawing C8-00 for Cutoff Wall Section. The 6" perforated PVC pipe upstream of the cutoff wall has a PVC cleanout on the west end of the PVC pipe which extends to the proposed ground surface. The 6" perforated PVC pipe extends to the east to the spillway wall where it becomes a 6" PVC solid wall pipe. The 6" PVC outlet from each chute spillway underdrain exits on the east side of the spillway and turns with two 45 degree bends to run outside of and parallel to the chute spillway wall at a minimum slope of 1.0 percent. The 6" outlet pipe extends to the south until the chute spillway slope is sufficient lower to allow the 6" outlet pipe to extend thru the chute spillway wall at a 45 degree angle and discharge above the chute spillway flow line. The last 10 feet of 6" outlet pipe shall be DIP pipe. With this explanation no additional plans or details should be necessary.

- g. **Question:** Item 27 Grout of Existing pipes, we need the size, length and location of these pipes. Also, the condition so we can know if grout will flow all the way through them.

**Answer:** The Report of Subsurface Exploration and Geotechnical Engineering Evaluation, Rehabilitation of Glen Emerald Dam, DeKalb County, Georgia, PGC Project No. 109036 prepared by Piedmont Geotechnical Consultants, Inc. dated October 28, 2009 commented on the possible existence of a lake drain that may have been constructed with the original dam construction. There is no physical evidence of a lake drain. The existence, size, length, location and condition of a possible lake drain is unknown at this time. GSDP required that a specification for grouting a possible lake drain be included. Due to the unknown nature of the grouting, Bid Item 27 has been removed and will be handled as a change order if a lake drain is discovered during construction. Please utilize Revised Pages 22 – 28, Bid Price Forms included in this

*Addendum. Failure to utilize and return these Revised Forms, in a separate sealed envelope, will deem your bid non-responsive.*

- h. **Question:** Item 55 Retaining wall, where is it and are there any details?

**Answer:** *The retaining wall will be installed along the property line between properties 1351 and 1361 Lakeview East Drive and the park property. The wall will be approximately 200' in length and will vary in height between 6' to 10' tall. The wall will be installed using Belgard products. Please see link to specification guide below, pages 34-35. If the height requires a structural engineer, RPCA will fund to provide the shop drawings at that time. The design is not part of this contract, just the construction. Please include in the lumpsum price for line item 55, the SRW units for a geosynthetic-reinforced retaining wall, filter fabric, backfill, topsoil, drain pipe and drainage aggregate and the installation. Base the lumpsum cost on a wall length of 200', the height at 10' and the depth cut back at 20'. A determination will be made during construction is the reinforced retaining wall can be reduced to a gravity wall and if so, a reduction in price will be made at that time.*

<https://s3.amazonaws.com/BelgardCommercial/SiteSolutionsGuides/GMSSiteSolutionsGuide.pdf>

- i. **Question:** Since the bid form has a large number of individual prices and the County is reserving the right to delete selected bid items from the job, will the 20% LSBE participation be evaluated based on the bid as submitted or on the final selections and/or quantities authorized by the County?

**Answer:** *Please obtain your percentage for LSBE based on all line items listed on the bid price forms (not including allowances). Line items may be removed from the project after the award is made based on available funding. The selected contractor and RPCA will discuss at that time if these line items removed affect your LSBE participation. Please do not assume which line items will be removed. That determination will not be made until all bids are received. Please also price each line item as listed. If any line items are not priced, it will affect the award.*

- j. **Question:** If the LSBE participation evaluation will be based on the bid as submitted, will that evaluation include or exclude the three defined add alternates, Bid Items 54-56?

**Answer:** *The award of the project will be based on the base bid. It will not be based on the add alternates. The LSBE participation is based on an overall percentage of the entire award, not by line item. See answer to above question on how line items will be removed and selected.*

k. **Question:** We request a copy of the Geotechnical Report for this project.

**Answer:** Please see Geotechnical Reports (there are two (2)) posted to the DeKalb County website under Attachments for this solicitation.

l. **Question:** We cannot find anything in the spec or on the DeKalb County site about standard rubber curb. Can you supply a link or manufacturer?

**Answer:** Please see the link and specifications below. We will be using the 4"x4"x8' in black.

<https://www.rubberdesigns.com/collections/flexible-curbing/products/rubber-edging>

[https://cdn.shopify.com/s/files/1/1186/6116/files/RD\\_RubberEdging\\_detailsSheet.pdf?2703356055096680766](https://cdn.shopify.com/s/files/1/1186/6116/files/RD_RubberEdging_detailsSheet.pdf?2703356055096680766)

m. **Question:** For consideration as a responsible Bidder, the proposed Bidder shall, among other qualifications, demonstrate in its Bid that it has been the general contractor engaged in construction and successful completion of at least one (1) project in the last seven (7) years involving satisfactory completion of similarly sized or larger Category I High Hazard dam construction or dam repair regulated by the Georgia Safe Dams Program and the State of Georgia Rules for Dam Safety, Chapter 391-2-8.


The successful Bidder must employ and assign to the Project supervisory personnel trained and state certified at Level 1A – Fundamentals of the Georgia Erosion and Sediment Control training program.

Does the State require the Level 1A Certificate specific to GA or would any states Level 1A Cert be acceptable?

**Answer:** Yes, a Level 1A Certificate must be specific to GA.

6. It is the responsibility of each bidder to ensure that he/she is aware of all addenda issued under this ITB. Please sign and return this addendum. You may call Jennifer Schofield, Procurement Agent, 404.687.4042; before the Bids are due to confirm the number of addenda issued.

7. All other conditions remain in full force and effect.



Jennifer Schofield  
Procurement Agent  
Department of Purchasing and Contracting

**ACKNOWLEDGMENT**  
**Invitation to Bid (ITB) No.: 19-101155, Glen Emerald Lake Dam Repair**

Date: \_\_\_\_\_

The above Addendum #1 is hereby acknowledged:

\_\_\_\_\_  
(NAME OF FIRM)

\_\_\_\_\_  
(Name and Signature)

\_\_\_\_\_  
(Title)

jjs/DR

**REVISED**

**BIDDER'S UNIT PRICE**

**\*\*\* BID PRICE FORM AND THE BID BOND (pages 22-28) MUST BE SUBMITTED IN A SEPARATE SEALED ENVELOPE OR BIDDER WILL BE DEEMED NON-RESPONSIVE AND WILL NOT BE CONSIDERED FOR AWARD\*\*\***

TO: The Governing Authority of DeKalb County, Georgia

The undersigned, as Bidder, declares that he has carefully examined ITB No. 19-101155, Glen Emerald Lake Dam Repair, an annexed proposed form of Contract, the Specifications therein contained, and the Drawings therein referred to, and that he proposes and agrees that if his Bid is accepted, to provide the necessary machinery, tools, apparatus, and other means of construction, and will furnish all materials and labor specified in the Contract, or called for by the Drawings, or necessary to complete the Work in the manner therein specified within the time specified, as therein set forth for the unit prices on the form following this page. If the Bidder's Unit Price exceeds one page in length it should be completed in an excel format, typewritten, printed out and attached hereto. Handwritten Unit Prices exceeding one page in length may not be accepted and may result in the proposed Bid being deemed non-responsive.



**Glen Emerald Lake Dam Rehabilitation  
Revised Bid Price Form**

|    | Item Description  | Unit | Quantity | Unit price | Extended Cost |
|----|---|------|----------|------------|---------------|
| 1  | Mobilization  | LS   | 1        |            |               |
| 2  | Haul Route Construction & Maintenance   | LS   | 1        |            |               |
| 3  | Clearing and Grubbing   | LS   | 1        |            |               |
| 4  | Topsoil Strip and Stockpile   | LS   | 1        |            |               |
| 5  | Erosion Control Installation & Maintenance  | LS   | 1        |            |               |
| 6  | Additional Type C Silt Fence  | LF   | 1000     |            |               |
| 7  | Lake Dewatering & Maintenance<br>(including animal removal)   | LS   | 1        |            |               |
| 8  | Surface Water Control & Maintenance   | LS   | 1        |            |               |
| 9  | Dam Undercut & Dam Embankment Excavation<br>(including haul, spreading, grading and stabilization)                                      | CY   | 2555     |            |               |
| 10 | Dam Fill using Onsite Borrow<br>(including excavation, handling unsuitable borrow material, haul, placement, compaction and protection) | CY   | 4000     |            |               |
| 11 | Dam Fill using Offsite Borrow<br>(including procurement, haul, placement, compaction and protection)                                    | CY   | 2700     |            |               |
| 12 | Misc. Earthwork<br>(including haul, spreading, grading, and stabilization)  | CY   | 500      |            |               |
| 13 | Toe Drain<br>(including excavation, filter fabric, C-33 sand, #89 stone, #57 stone, and perforated PVC pipe) - 3 foot depth C-33 sand   | LS   | 1        |            |               |
| 14 | Foundation Drain<br>(including C-33 sand and perforated PVC pipe)   | LS   | 1        |            |               |
| 15 | Chimney Drain<br>(including C-33 sand and filter collar)  | LS   | 1        |            |               |
| 16 | Additional C-33 Drain Aggregate   | CY   | 120      |            |               |
| 17 | Cleanouts<br>(including pipe fittings, concrete collar and concrete marker)   | LS   | 1        |            |               |
| 18 | Drain Outlet Pipes and Headwalls<br>(including excavation, PVC and DIP pipe, backfill, and concrete marker)                             | LS   | 1        |            |               |
| 19 | Existing Spillway Demolition<br>(including removal from Park property)  | LS   | 1        |            |               |
| 20 | Existing Spillway Over Excavatiion & Recompaction   | CY   | 500      |            |               |
| 21 | New Spillway Over Excavatiion & Recompaction  | CY   | 3250     |            |               |



**Glen Emerald Lake Dam Rehabilitation  
Revised Bid Price Form**

|    | Item Description   | Unit | Quantity | Unit price | Extended Cost |
|----|--|------|----------|------------|---------------|
| 22 | New Spillway Undredrain System<br>(including excavation, fine filter, coarse filter, perforated and non-perforated pipe, pipe fittings, and wall penetrations)   | LS   | 1        |            |               |
| 23 | New Concrete Spillway<br>(including dewatering, excavation, formwork, reinforcement, waterstops, finishes and backfill)  | LS   | 1        |            |               |
| 24 | Siphon System<br>(including 12" PVC siphon pipe, 12" DIP siphon pipe, concrete encasement, concrete thrust block, 12" Gate Valve, Valve Box, Fill Stand, Aluminum Intake Screen, headwall, and backfill) | LS   | 1        |            |               |
| 25 | 18" RCP Storm Drainage System<br>(including excavation, concrete bedding, concrete pipe, grate inlets, headwall backfill and compaction)   | LS   | 1        |            |               |
| 26 | 42" RCP Storm Drainage Systems<br>(including excavation, concrete pipe, headwalls, backfill and compaction)  | LS   | 1        |            |               |
| 27 | Observation Wells<br>(including water depth recorder & grouting of 4 existing observation wells)   | LS   | 1        |            |               |
| 28 | GDOT Type 1 Rip-Rap (36" min. depth)<br>(including excavation aggregate filter and placement)  | LS   | 1        |            |               |
| 29 | GDOT Type 3 Rip-Rap (18" min. depth)<br>(including excavation aggregate filter and placement)  | LS   | 1        |            |               |
| 30 | Wave Protection Mating<br>(including subgrade preparation and installation )   | LS   | 1        |            |               |
| 31 | Permanent Grassing<br>(including topsoil placement, grass installation, fertilization, watering and replacement)   | LS   | 1        |            |               |
| 32 | 3" Cal. Tree Replacement   | LS   | 1        |            |               |
| 33 | 4" Cal. Tree Replacement   | LS   | 1        |            |               |
| 34 | Shrubs (1 Gal.)  | LS   | 1        |            |               |
| 35 | Bermuda Sod  | LS   | 1        |            |               |
| 36 | Invasive Species Removal   | LS   | 1        |            |               |
| 37 | 4' Chain Link Fence<br>(including core holes)  | LS   | 1        |            |               |
| 38 | Pedestrian Bridge Prefabricated Concrete Hollowcore Slab<br>(including brearing pads and placement)  | LS   | 1        |            |               |
| 39 | Pedestrian Bridge Concrete Approach Walk   | LS   | 1        |            |               |
| 40 | Pedestrian Bridge Handrail   | LS   | 1        |            |               |
| 41 | Lake Access Stair Handrail   | LS   | 1        |            |               |

**Glen Emerald Lake Dam Rehabilitation  
Revised Bid Price Form**

|    | Item Description  | Unit | Quantity | Unit price | Extended Cost |
|----|---|------|----------|------------|---------------|
| 42 | Lake Access Granite Steps<br>(including crusher run path)             | LS   | 1        |            |               |
| 43 | 6" Perforated Pipe<br>(including bedding and inlet/outlet protection) | LF   | 250      |            |               |
| 44 | Trail Improvements - Lake Edge Treatment                              | LS   | 1        |            |               |
| 45 | Trail Improvements - Trail Slate Scape                                | CY   | 220      |            |               |
| 46 | Trail Improvements - Rubber Curbing                                   | LF   | 6000     |            |               |
| 47 | Trail Improvements - Picnic Tables                                    | EA   | 4        |            |               |
| 48 | Trail Improvements - Benches  | EA   | 7        |            |               |
| 49 | Trail Improvements - Trash Receptacles                                | EA   | 5        |            |               |
| 50 | Trail Improvements - Mulch  | CY   | 150      |            |               |
| 51 | Trail Improvements - Stone Seat Wall Benches                          | EA   | 2        |            |               |
| 52 | Trail Improvements - Boardwalk Removal and Replacement                | LS   | 1        |            |               |
|    | <b>TOTAL</b>  |      |          |            |               |

**ADD ALTERNATES:**

|    |                             |    |       |  |  |
|----|-----------------------------|----|-------|--|--|
| 54 | Lake Dredging               | CY | 11000 |  |  |
| 55 | Retaining wall              | LS | 1     |  |  |
| 56 | Boardwalk                   | LS | 1     |  |  |
|    | <b>TOTAL ADD ALTERNATES</b> |    |       |  |  |

**TOTAL BID:**

\_\_\_\_\_ \$ \_\_\_\_\_  
(State in words on the line above) (In figures)

These quantities are approximate and may be increased or decreased as to any and all units as necessary to complete the construction of said Project without entitling the Contractor to any claim for extra compensation because of any injury, damage or delay he may sustain on account of such increase or decrease. The Contractor shall be entitled to compensation on the foregoing unit prices only on the quantities of materials actually furnished and work actually done as determined and approved in writing by the County through an inspection of the work completed. In no event shall the County be liable for payment in excess of the total Bid amount of \$\_\_\_\_\_ (Insert same "TOTAL BID" figure as listed on the foregoing page) without proper prior written authorization via Change Order from the County. The Total Bid includes and encompasses the cost of all labor, materials, equipment, tools, supervision, scheduling, safety program, coordination, engineering, testing, surveys, layout, cleanup, and other things and services required to complete the entire Project in strict conformity with the Drawings, Specifications, the Contract, and all addenda and authorized written clarifications issued prior to the Bid date. Without limitation, the Total Bid also includes all applicable sales and use taxes, fees, temporary lighting, security for the site, heating and cooling, temporary utilities, freight costs, handling costs, permit costs, field and main office costs, bond premiums, insurance premiums, direct and indirect administrative costs, overhead, and profit.

Bidder has examined the site of the proposed Work and all documents comprising the Contract, and is satisfied as to the conditions to be encountered in performing the work and as to the requirements of the Contract.

No Bid may be revoked or withdrawn until sixty (60) days after the time set for opening the Bids.

Attached hereto is Bid Bond made by \_\_\_\_\_, a surety company listed in the most recent US Treasury Circular No. 570 and licensed to write surety bonds in the State of Georgia, payable to DeKalb County, Georgia (or an official bank check), in the amount of ten percent (10%) of the above Bid, to-wit: \$\_\_\_\_\_.

If this Bid shall be accepted by DeKalb County and the undersigned shall fail to execute a satisfactory contract in the form of said proposed Contract, give satisfactory Performance and Payment Bonds, or furnish satisfactory proof of the insurance required, as stated in the Instructions to Bidders within ten (10) days from the Notice of Award of the Contract, then the County may at its option, determine that the undersigned abandoned the Contract and thereupon this Bid shall

be null and void, and the sum stipulated in the attached Bid Bond (or an official bank check) shall be forfeited to the County as liquidated damages.

Bidder declares his intent to subcontract the portion of the Work as below stated. Bidder understands and agrees that the use of any Subcontractor not listed below shall be strictly prohibited without prior written approval from the County. *(List names of all subcontractors and the work to be provided by the subcontractor on the lines provided below.)*

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Bidder further declares that the full names and residence addresses of all persons and parties interested in the foregoing Bid as principals are as follows:

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Bidder declares further that it is  / is not  a DeKalb County Firm.

Signed, sealed, and dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

By: \_\_\_\_\_ (SEAL)

Signature

\_\_\_\_\_  
Print Name of Signer

\_\_\_\_\_  
Title of Signer

\_\_\_\_\_  
Name of Business Entity Submitting Bid

\_\_\_\_\_  
Bidder's Street Address

\_\_\_\_\_  
Bidder's City, State and Zip Code

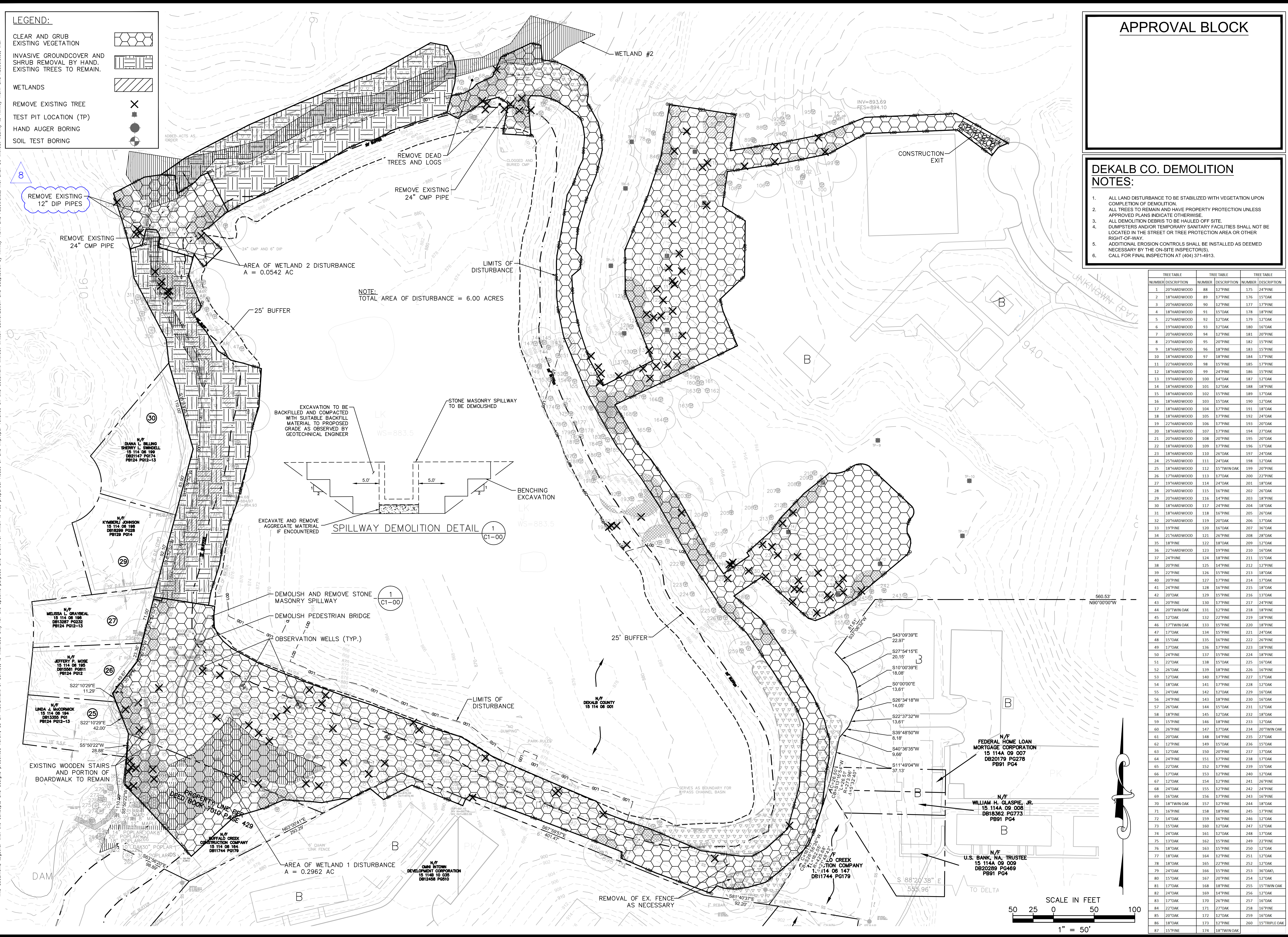
\_\_\_\_\_  
Bidder's Phone Number

\_\_\_\_\_  
Bidder's Fax Number

\_\_\_\_\_  
Bidder's E-Mail Address



Drawing name: C:\Users\briclausen\appdata\local\temp\692\C1-00\_DEMO.dwg C1-00 Jan 24, 2020 7:44am by: briclausen



**LEGEND:**

|  |  |
|--|--|
| CLEAR AND GRUB EXISTING VEGETATION   |  |
| INVASIVE GROUND COVER AND SHRUB REMOVAL BY HAND, EXISTING TREES TO REMAIN. |  |
| WETLANDS   |  |
| REMOVE EXISTING TREE   |  |
| TEST PIT LOCATION (TP)   |  |
| HAND AUGER BORING  |  |
| SOIL TEST BORING   |  |

**APPROVAL BLOCK**

| NO. | REVISIONS                          | DATE       | BY  |
|-----|------------------------------------|------------|-----|
| 1   | RESPONSE TO GSDP COMMENTS          | 09/09/2016 |     |
| 2   | RESPONSE TO GSDP COMMENTS          | 07/24/2017 |     |
| 3   | RESPONSE TO GSDP COMMENTS          | 01/03/2018 |     |
| 4   | RESPONSE TO GSDP & CLIENT COMMENTS | 02/23/2018 |     |
| 5   | RESPONSE TO GSDP & DEKALB COMMENTS | 11/30/2018 |     |
| 6   | RESPONSE TO DEKALB COMMENTS        | 03/08/2019 |     |
| 7   | RESPONSE TO GSDP COMMENTS          | 06/12/2019 |     |
| 8   | AMENDMENT NO. 1 TO BID DOCUMENTS   | 01/24/2020 | BDC |

**DEKALB CO. DEMOLITION NOTES:**

- ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
- ALL TREES TO REMAIN AND HAVE PROPERTY PROTECTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
- ALL DEMOLITION DEBRIS TO BE HAULED OFF SITE.
- DUMPSTERS AND/OR TEMPORARY SANITARY FACILITIES SHALL NOT BE LOCATED IN THE STREET OR TREE PROTECTION AREA OR OTHER RIGHT-OF-WAY.
- ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED AS DEEMED NECESSARY BY THE ON-SITE INSPECTOR(S).
- CALL FOR FINAL INSPECTION AT (404) 371-4913.

| TREE TABLE |              | TREE TABLE |              | TREE TABLE |                |
|------------|--------------|------------|--------------|------------|----------------|
| NUMBER     | DESCRIPTION  | NUMBER     | DESCRIPTION  | NUMBER     | DESCRIPTION    |
| 1          | 20" HARDWOOD | 88         | 12" PINE     | 175        | 24" PINE       |
| 2          | 18" HARDWOOD | 89         | 17" PINE     | 176        | 15" OAK        |
| 3          | 20" HARDWOOD | 90         | 12" PINE     | 177        | 17" PINE       |
| 4          | 18" HARDWOOD | 91         | 15" OAK      | 178        | 18" PINE       |
| 5          | 22" HARDWOOD | 92         | 12" OAK      | 179        | 12" OAK        |
| 6          | 19" HARDWOOD | 93         | 12" OAK      | 180        | 16" OAK        |
| 7          | 20" HARDWOOD | 94         | 12" PINE     | 181        | 20" PINE       |
| 8          | 23" HARDWOOD | 95         | 20" PINE     | 182        | 15" PINE       |
| 9          | 18" HARDWOOD | 96         | 18" PINE     | 183        | 15" PINE       |
| 10         | 18" HARDWOOD | 97         | 18" PINE     | 184        | 17" PINE       |
| 11         | 22" HARDWOOD | 98         | 15" PINE     | 185        | 17" PINE       |
| 12         | 18" HARDWOOD | 99         | 24" PINE     | 186        | 15" PINE       |
| 13         | 19" HARDWOOD | 100        | 14" OAK      | 187        | 12" OAK        |
| 14         | 18" HARDWOOD | 101        | 12" OAK      | 188        | 18" PINE       |
| 15         | 18" HARDWOOD | 102        | 15" PINE     | 189        | 17" OAK        |
| 16         | 18" HARDWOOD | 103        | 15" OAK      | 190        | 12" OAK        |
| 17         | 18" HARDWOOD | 104        | 17" PINE     | 191        | 18" OAK        |
| 18         | 18" HARDWOOD | 105        | 17" PINE     | 192        | 24" OAK        |
| 19         | 22" HARDWOOD | 106        | 17" PINE     | 193        | 20" OAK        |
| 20         | 18" HARDWOOD | 107        | 17" PINE     | 194        | 27" OAK        |
| 21         | 20" HARDWOOD | 108        | 20" PINE     | 195        | 20" OAK        |
| 22         | 18" HARDWOOD | 109        | 17" PINE     | 196        | 17" OAK        |
| 23         | 18" HARDWOOD | 110        | 26" OAK      | 197        | 24" OAK        |
| 24         | 35" HARDWOOD | 111        | 24" OAK      | 198        | 12" OAK        |
| 25         | 18" HARDWOOD | 112        | 15" PINE     | 199        | 20" PINE       |
| 26         | 17" HARDWOOD | 113        | 17" OAK      | 200        | 23" PINE       |
| 27         | 19" HARDWOOD | 114        | 24" OAK      | 201        | 18" OAK        |
| 28         | 20" HARDWOOD | 115        | 16" PINE     | 202        | 26" OAK        |
| 29         | 20" HARDWOOD | 116        | 14" PINE     | 203        | 18" PINE       |
| 30         | 18" HARDWOOD | 117        | 24" PINE     | 204        | 18" OAK        |
| 31         | 18" HARDWOOD | 118        | 16" PINE     | 205        | 26" OAK        |
| 32         | 20" HARDWOOD | 119        | 20" OAK      | 206        | 17" OAK        |
| 33         | 19" PINE     | 120        | 16" OAK      | 207        | 36" OAK        |
| 34         | 21" HARDWOOD | 121        | 26" PINE     | 208        | 28" OAK        |
| 35         | 18" PINE     | 122        | 18" OAK      | 209        | 12" OAK        |
| 36         | 22" HARDWOOD | 123        | 19" PINE     | 210        | 16" OAK        |
| 37         | 24" PINE     | 124        | 18" PINE     | 211        | 15" OAK        |
| 38         | 20" PINE     | 125        | 14" PINE     | 212        | 12" PINE       |
| 39         | 22" PINE     | 126        | 15" PINE     | 213        | 18" OAK        |
| 40         | 20" PINE     | 127        | 17" PINE     | 214        | 17" OAK        |
| 41         | 24" PINE     | 128        | 16" PINE     | 215        | 18" OAK        |
| 42         | 20" PINE     | 129        | 15" PINE     | 216        | 13" OAK        |
| 43         | 20" PINE     | 130        | 17" PINE     | 217        | 24" PINE       |
| 44         | 20" TWIN OAK | 131        | 12" PINE     | 218        | 18" PINE       |
| 45         | 12" OAK      | 132        | 22" PINE     | 219        | 18" PINE       |
| 46         | 17" TWIN OAK | 133        | 15" PINE     | 220        | 18" PINE       |
| 47         | 15" OAK      | 134        | 15" PINE     | 221        | 24" OAK        |
| 48         | 15" OAK      | 135        | 16" PINE     | 222        | 26" PINE       |
| 49         | 17" OAK      | 136        | 17" PINE     | 223        | 18" PINE       |
| 50         | 24" PINE     | 137        | 15" PINE     | 224        | 18" PINE       |
| 51         | 22" OAK      | 138        | 15" OAK      | 225        | 16" OAK        |
| 52         | 26" OAK      | 139        | 18" PINE     | 226        | 16" PINE       |
| 53         | 12" OAK      | 140        | 17" PINE     | 227        | 17" OAK        |
| 54         | 18" OAK      | 141        | 17" PINE     | 228        | 12" OAK        |
| 55         | 24" OAK      | 142        | 12" OAK      | 229        | 16" OAK        |
| 56         | 24" PINE     | 143        | 18" PINE     | 230        | 16" OAK        |
| 57         | 26" OAK      | 144        | 15" OAK      | 231        | 12" OAK        |
| 58         | 18" PINE     | 145        | 12" OAK      | 232        | 18" OAK        |
| 59         | 15" PINE     | 146        | 18" PINE     | 233        | 12" OAK        |
| 60         | 26" PINE     | 147        | 17" OAK      | 234        | 20" TWIN OAK   |
| 61         | 20" OAK      | 148        | 14" PINE     | 235        | 27" OAK        |
| 62         | 12" PINE     | 149        | 15" OAK      | 236        | 15" OAK        |
| 63         | 12" PINE     | 150        | 20" PINE     | 237        | 17" OAK        |
| 64         | 24" PINE     | 151        | 17" PINE     | 238        | 17" OAK        |
| 65         | 22" OAK      | 152        | 17" PINE     | 239        | 15" OAK        |
| 66         | 12" OAK      | 153        | 12" PINE     | 240        | 12" OAK        |
| 67         | 12" OAK      | 154        | 12" PINE     | 241        | 26" PINE       |
| 68         | 24" OAK      | 155        | 12" PINE     | 242        | 24" PINE       |
| 69         | 16" OAK      | 156        | 17" PINE     | 243        | 16" PINE       |
| 70         | 18" TWIN OAK | 157        | 12" PINE     | 244        | 18" OAK        |
| 71         | 16" PINE     | 158        | 18" PINE     | 245        | 17" PINE       |
| 72         | 14" OAK      | 159        | 16" PINE     | 246        | 12" OAK        |
| 73         | 15" OAK      | 160        | 12" OAK      | 247        | 12" OAK        |
| 74         | 24" OAK      | 161        | 12" OAK      | 248        | 17" OAK        |
| 75         | 13" OAK      | 162        | 15" PINE     | 249        | 22" PINE       |
| 76         | 18" OAK      | 163        | 15" PINE     | 250        | 12" OAK        |
| 77         | 18" OAK      | 164        | 12" PINE     | 251        | 12" OAK        |
| 78         | 18" OAK      | 165        | 22" PINE     | 252        | 12" OAK        |
| 79         | 24" OAK      | 166        | 15" PINE     | 253        | 36" OAK        |
| 80         | 15" OAK      | 167        | 20" PINE     | 254        | 12" OAK        |
| 81         | 17" OAK      | 168        | 18" PINE     | 255        | 15" TWIN OAK   |
| 82         | 24" OAK      | 169        | 14" PINE     | 256        | 12" OAK        |
| 83         | 17" OAK      | 170        | 26" PINE     | 257        | 16" OAK        |
| 84         | 22" OAK      | 171        | 27" OAK      | 258        | 16" PINE       |
| 85         | 20" OAK      | 172        | 12" OAK      | 259        | 16" PINE       |
| 86         | 18" OAK      | 173        | 12" PINE     | 260        | 15" TRIPLE OAK |
| 87         | 15" PINE     | 174        | 18" TWIN OAK |            |                |

**002**

**Kimley Horn**

817 WEST PEACHTREE ST. NW  
SUITE 601  
ATLANTA, GEORGIA 30308-1121  
Tel: (404) 419-8700  
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**GLEN EMERALD LAKE DAM REHABILITATION ATLANTA, GA 30316**

**DEMOLITION PLAN**

**DEKALB COUNTY TRANSPORTATION DIVISION**

1950 WEST EXCHANGE PLACE  
TUCKER, GA 30084

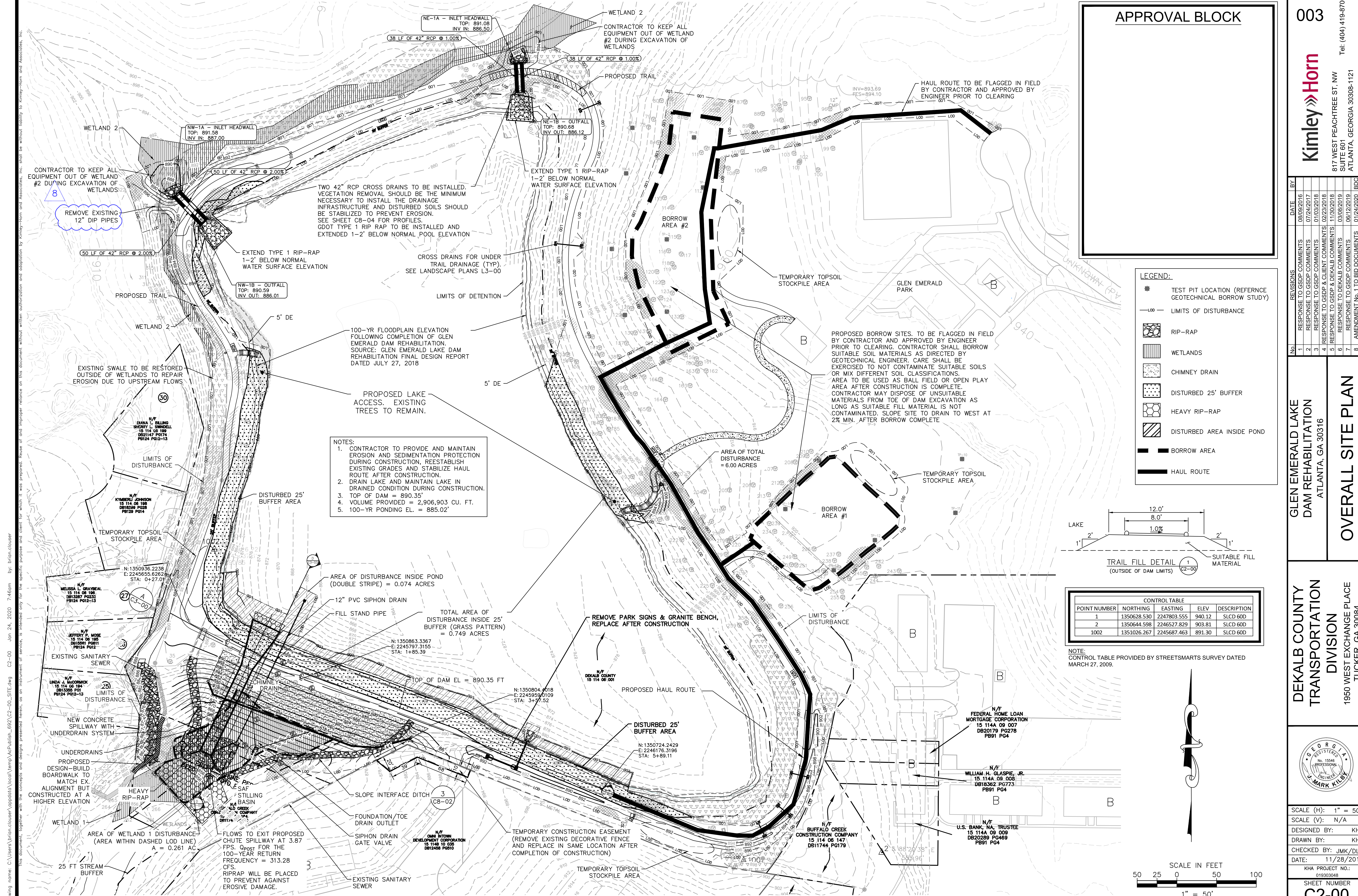
**REGISTERED PROFESSIONAL ENGINEER**  
No. 15546  
**J. MARK KILBY**

SCALE (H): 1" = 50'  
SCALE (V): N/A

DESIGNED BY: KHA  
DRAWN BY: KHA  
CHECKED BY: JMK/DLS  
DATE: 11/28/2018

KHA PROJECT NO.: 019303048  
SHEET NUMBER **C1-00**

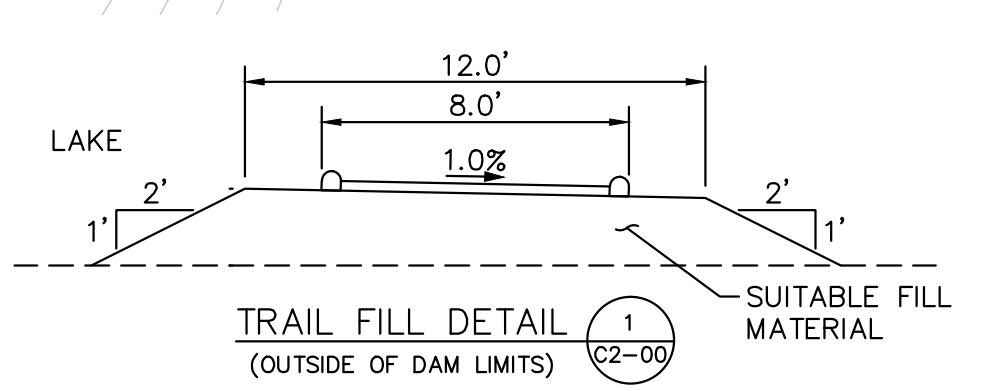




**APPROVAL BLOCK**

**LEGEND:**

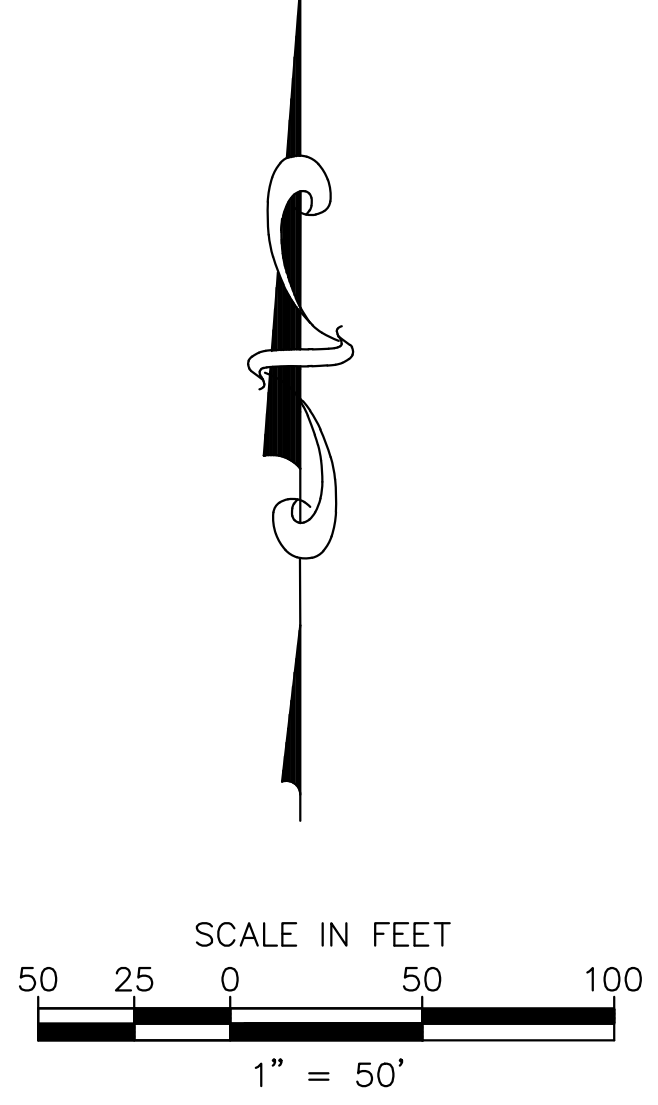
- TEST PIT LOCATION (REFERENCE GEOTECHNICAL BORROW STUDY)
- LIMITS OF DISTURBANCE
- RIP-RAP
- WETLANDS
- CHIMNEY DRAIN
- DISTURBED 25' BUFFER
- HEAVY RIP-RAP
- DISTURBED AREA INSIDE POND
- BORROW AREA
- HAUL ROUTE



**CONTROL TABLE**

| POINT NUMBER | NORTHING    | EASTING     | ELEV   | DESCRIPTION |
|--------------|-------------|-------------|--------|-------------|
| 1            | 1350628.530 | 2247803.555 | 940.12 | SLCD 600    |
| 2            | 1350644.598 | 2246527.829 | 903.81 | SLCD 600    |
| 1002         | 1351026.267 | 2245687.463 | 891.30 | SLCD 600    |

NOTE: CONTROL TABLE PROVIDED BY STREETSMARTS SURVEY DATED MARCH 27, 2009.



**NOTES:**

- CONTRACTOR TO PROVIDE AND MAINTAIN EROSION AND SEDIMENTATION PROTECTION DURING CONSTRUCTION. REESTABLISH EXISTING GRADES AND STABILIZE HAUL ROUTE AFTER CONSTRUCTION.
- DRAIN LAKE AND MAINTAIN LAKE IN DRAINED CONDITION DURING CONSTRUCTION.
- TOP OF DAM = 890.35'
- VOLUME PROVIDED = 2,906,903 CU. FT.
- 100-YR PONDING EL. = 885.02'

**003**

**Kimley-Horn**

817 WEST PEACHTREE ST., NW  
SUITE 601  
ATLANTA, GEORGIA 30308-1121

Tel: (404) 419-8700

**REVISIONS**

| No. | DATE       | BY |
|-----|------------|----|
| 1   | 09/09/2016 |    |
| 2   | 07/24/2017 |    |
| 3   | 01/03/2018 |    |
| 4   | 02/23/2018 |    |
| 5   | 11/30/2018 |    |
| 6   | 03/08/2019 |    |
| 7   | 06/12/2019 |    |
| 8   | 01/24/2020 |    |

**GLEN EMERALD LAKE DAM REHABILITATION**  
ATLANTA, GA 30316

**OVERALL SITE PLAN**

**DEKALB COUNTY TRANSPORTATION DIVISION**  
1950 WEST EXCHANGE PLACE  
TUCKER, GA 30084

**REGISTERED PROFESSIONAL ENGINEER**  
MARK KILBY

SCALE (H): 1" = 50'  
SCALE (V): N/A

DESIGNED BY: KHA  
DRAWN BY: KHA  
CHECKED BY: JMK/DLS  
DATE: 11/28/2018

KHA PROJECT NO.: 019303048  
SHEET NUMBER **C2-00**

Drawing name: C:\Users\brion.clausen\appdata\local\temp\appdata\local\temp\692\c2-00 SITE.dwg C2-00 Jan 24, 2020 7:46am by: brion.clausen