

CONTRACT DOCUMENTS FOR
CONSTRUCTION OF

LAKE PEACHTREE LAKE DREDGING PROJECT



PREPARED FOR

FAYETTE COUNTY WATER SYSTEM FAYETTE COUNTY, GEORGIA

VOLUME 2 of 2: DRAWINGS

CERTIFICATIONS

DESIGN PROFESSIONAL

1. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.
2. I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.

NAME: Alan E. Bowling

GEORGIA REGISTERED ENGINEER NO: 30375

LEVEL II CERTIFIED DESIGN PROFESSIONAL NO: 432

SIGNATURE: 

For information regarding this project, contact:

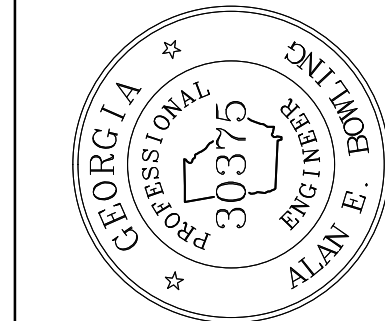
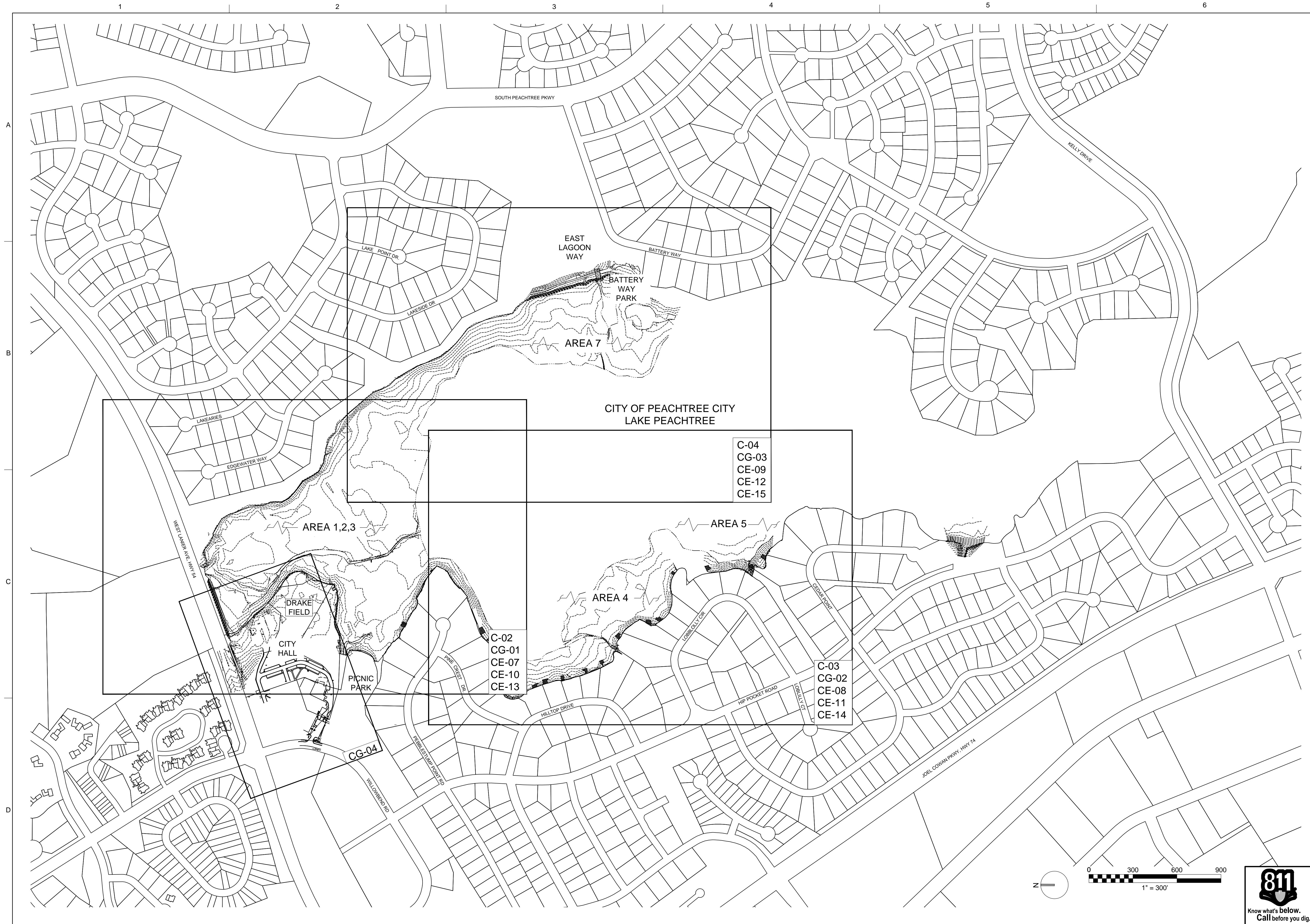
ALAN BOWLING, P.E.
6600 Peachtree Dunwoody Road
400 Embassy Row, Suite 600
Atlanta, GA 30328
770.604.9095

CH2MHILL

Project No.
481967

DECEMBER 2014

BID DOCUMENTS


[illegible]

6600 PEACHTREE DUNWOODY ROAD
400 EMBASSY ROW, SUITE 600
ATLANTA, GA 30328 PH: 770.604.9095

LAKE PEACHTREE
LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

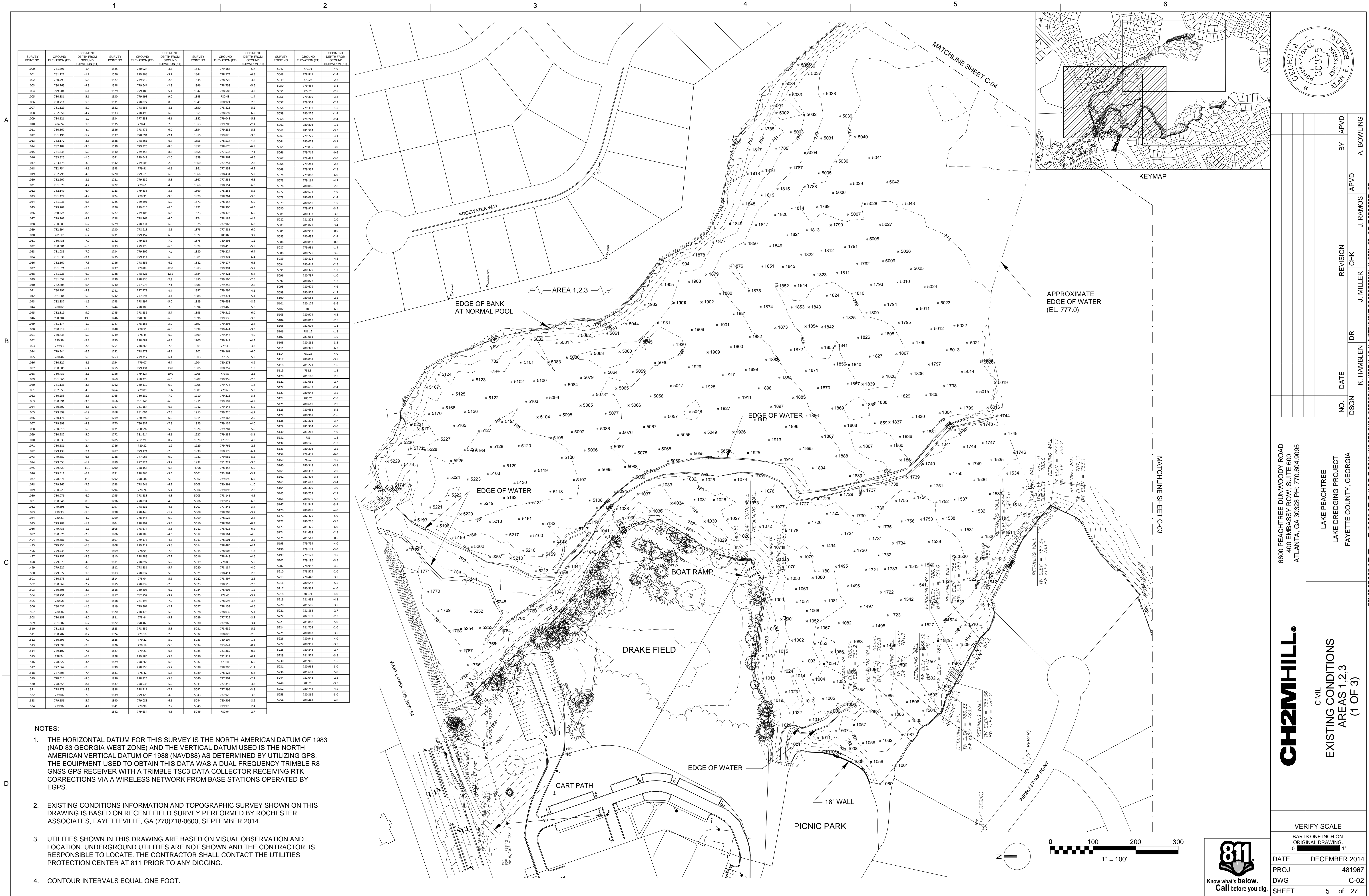
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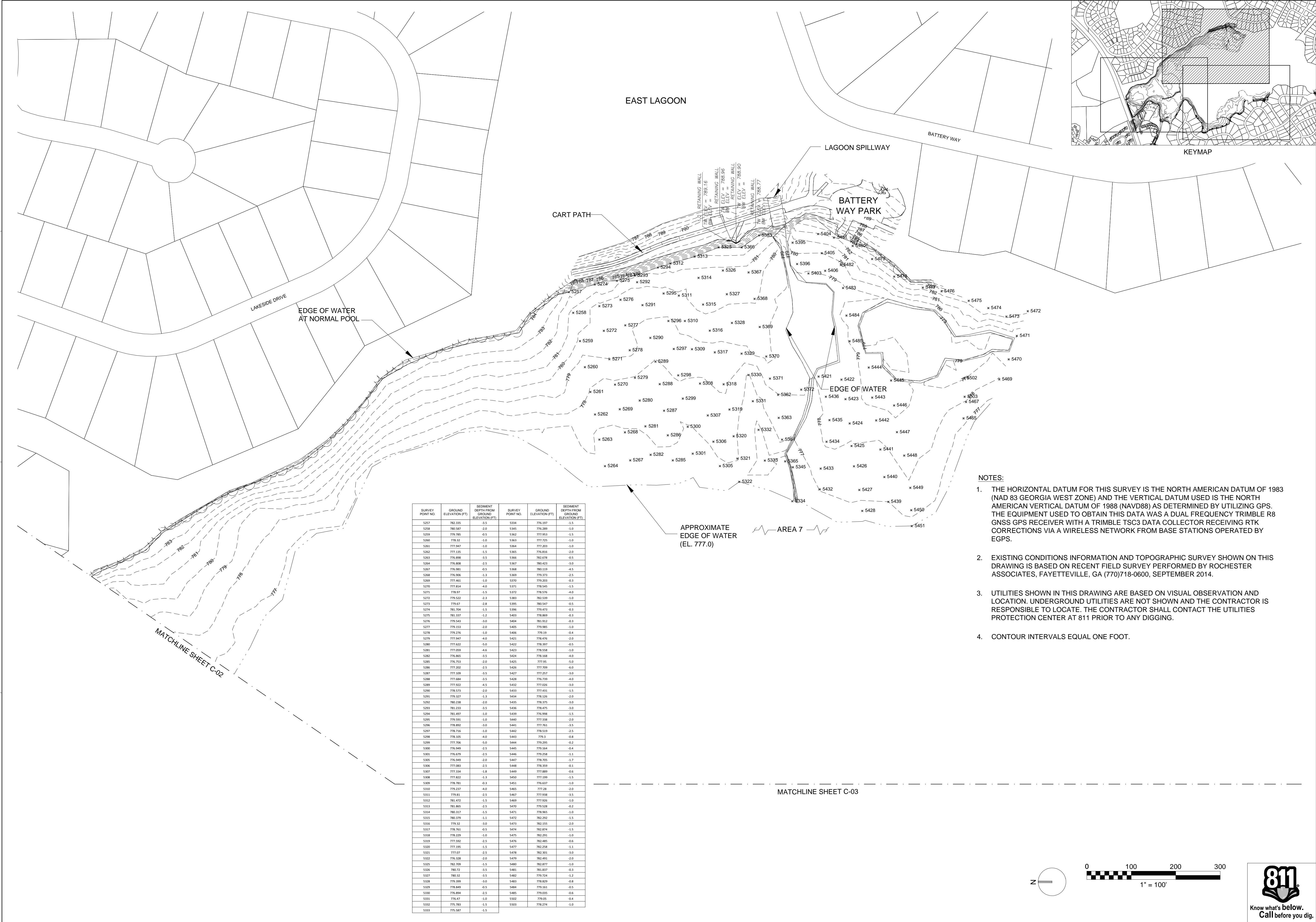
CIVIL EXISTING CONDITIONS KEY PLAN

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
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DATE	DECEMBER
PROJ	
DWG	
SHEET	4 of 4

	BID DOCUMENTS
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NO.	DATE	DR	CHK	REVISION	BY	APVD
		K. HAMBLEN	J. MILLER		A. BOWLING	

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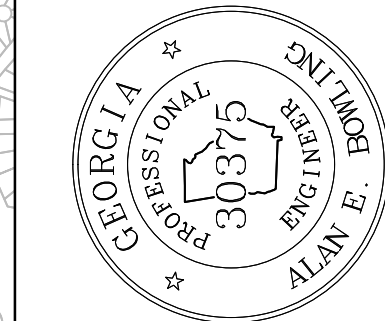
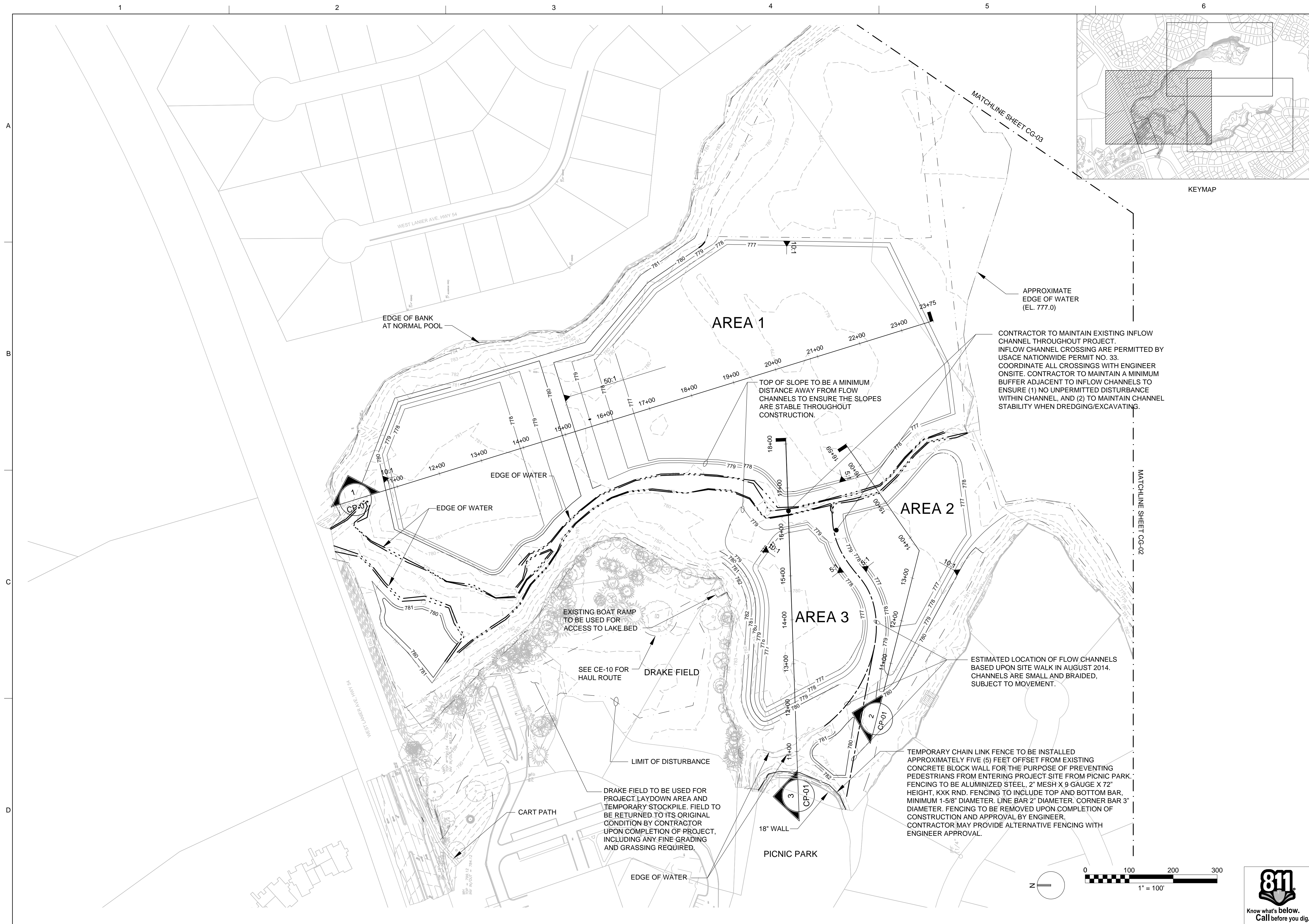
CIVIL
EXISTING CONDITIONS
LAKE DREDGING PROJECT
AREA 7
(3 OF 3)

LAKE PEACHTREE
LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING
1" = 100'

DATE: DECEMBER 2014
PROJ: 481967
DWG: C-04
SHEET: 7 of 27

811
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LAKE PEACHTREE
LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

CIVIL
SITE GRADING
AREAS 1,2,3
(1 OF 4)

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DATE	DECEMBER 2014
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PROJ	481967
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DWG	CG-01
SHEET	8 of 27

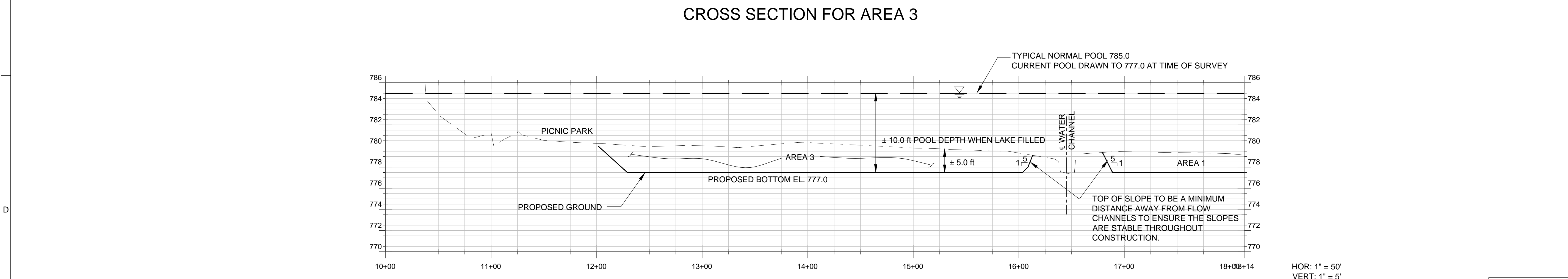
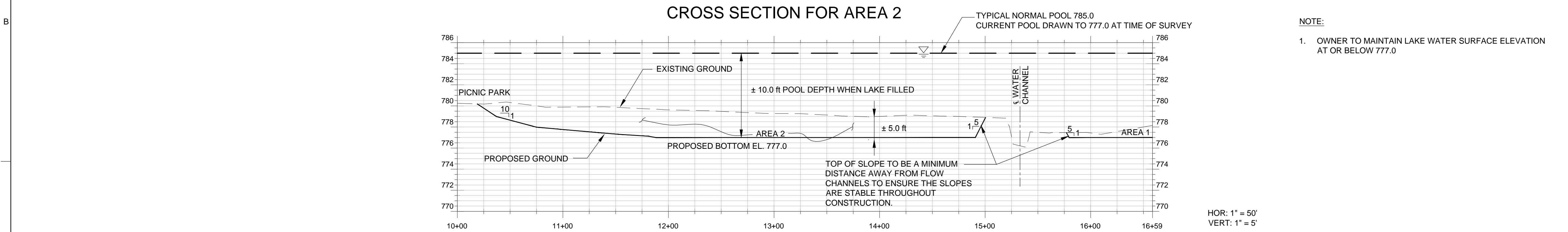
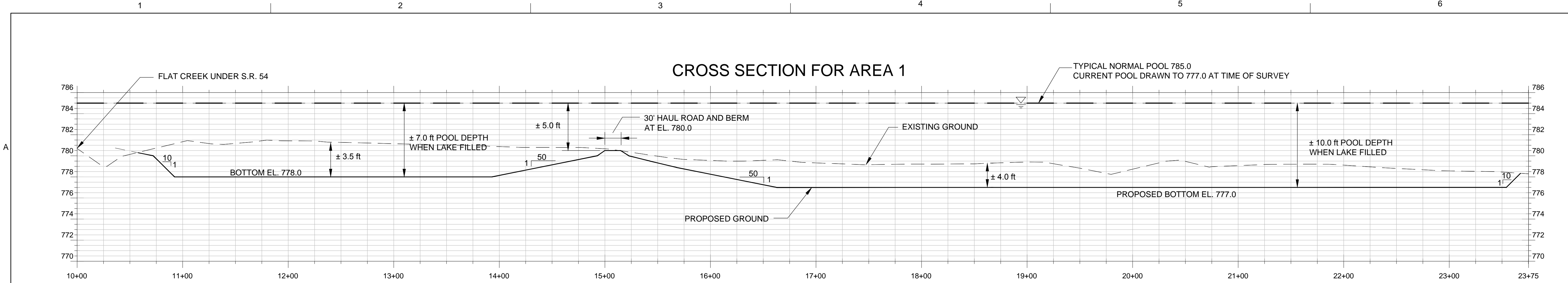


FILENAME: 07 10 000-CG-01 481967.dwg PLOT DATE: Dec 03, 2014

PLOT TIME: 10:37pm

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LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

CIVIL

CROSS SECTIONS FOR
AREAS 1,2,3

VERIFY SCALE
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ORIGINAL DRAWING: 1"

DATE DECEMBER 2014
PROJ 481967
DWG CP-01
SHEET 12 of 27

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FILENAME: 07_10_000-CG-01_481967.dwg PLOT DATE: Dec 03, 2014 PLOT TIME: 10:33pm

GEORGIA PROFESSIONAL ENGINEERING 30375 ALLEN E.

NO. DATE DSGN

DR K. HAMBLEN

CHK J. MILLER

APVD J. RAMOS

BY APVD A. BOWLING

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PROJECT INFORMATION

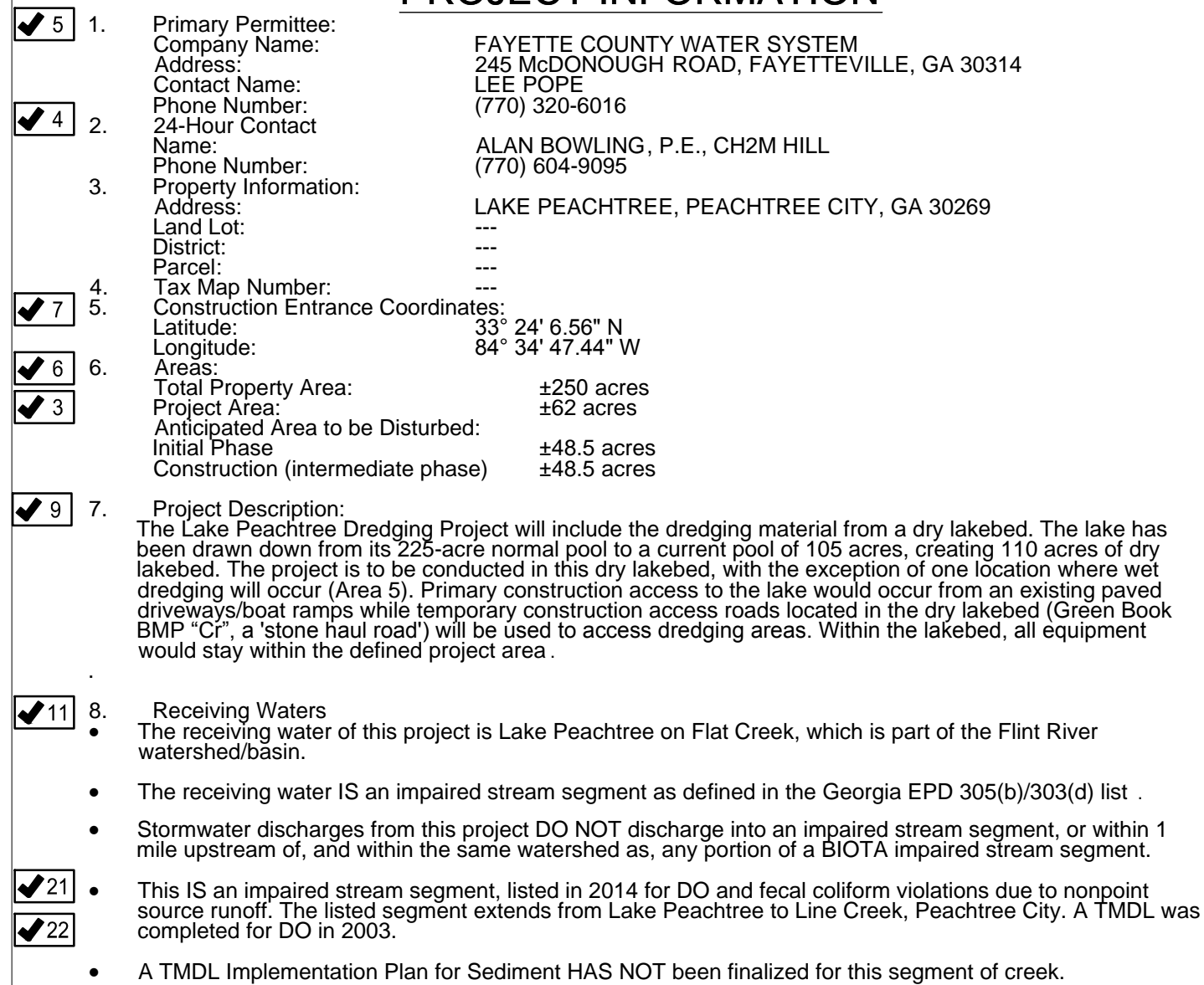
DESIGN PROFESSIONAL

- PRIMARY PERMITTEE

- ## 27 ANTICIPATED CONSTRUCTION SCHEDULE

START: FEB 2015
COMPLETION: JUNE 2015

☒10 ☒33 VICINITY MAP and MONITORING SITE LOCATIONS



- | | | |
|-----|---|---|
| 9. | <p>Base Flood Information:
 100-year flood elevation:
 Map Number:
 Number:</p> | <p>ZONE AE 100-Year floodplain is located within project site.
 790, 789
 13113 (map revised 09-26-2008)
 C0089E</p> |
| 10. | <p>Current Land Use:
 The site is zoned as OS-P (Open Space Public), and OS-C (Open Space Conservation)</p> | |
| 11. | <p>Soils Type:
 As per NRCS Soil Data Mart, soil types for this project are delineated on sheets CE-0 7 to CE-15. Soil type legend, with descriptions, is provided on sheet CE-01</p> | |
| 12. | <p>Critical Areas:
 The current lake limits are adjacent to the project's disturbed area, to protect the State waters, double row of 5x1'-S to be installed. Grading to be excavation only. No fill to be placed adjacent to State waters.</p> | |
| 13. | <p>Wetlands:
 The presence of on-site wetlands has been investigated and it was determined that wetlands were found to be present on-site.</p> | |
| 14. | <p>State Waters:
 All State Waters located on and within 200 feet of the project site have been identified and will be protected by associated State and County protection regulations and buffers.</p> | |
| 15. | <p>Buffering Requirements:
 An undisturbed natural vegetative buffer of fifty (50') feet measured from the point of wrested vegetation along stream banks and twenty-five (25') feet from the point of wrested vegetation along bodies of water (ponds, lakes).</p> | |
| 16. | <p>Alternative BMPs
 NOT APPLICABLE</p> | |
| 17. | <p>A hydrology study is necessary to support the ES&PC plans for dredging the lake bed. Drainage from off-site to inflow channels that feed the lake does not pass through project limits of construction disturbance. Pre-development and post-development hydrologic conditions will be the same for the lake.</p> | |
| 18. | <p>Estimated Runoff
 Pre-Development Coefficient: CN=98
 Post-Development Coefficient: CN= 98</p> | |
| 19. | <p>Sediment Basin Alternative Practices
 Temporary sediment basins for treatment of sediment pollution will not be a functional practice for the proposed work of dredging the lake bed adjacent to the current lake pool given the topography and high water table. To meet the goals of limiting sediment pollution, the sediment control program will be executed by the contractor in coordination with limiting the extent of active land disturbance to those areas shown in the ES&PC plans. No equipment or construction activity will occur in the current lake pool. However, construction traffic will traverse the inflow channels that drain from areas outside of the lakebed. Disturbance will be minimized for construction access of moving heavy dredging equipment to dredging areas. No dredging activities will occur within these inflow channels.
 In addition the process described above, temporary sediment fence shall be installed in strategic upland areas and along the inflow channels to reduce sediment from entering the channels. Temporary and permanent vegetation will be installed throughout the span of the project to reduce sedimentation. The proposed project is upstream of an existing open water impoundment (Lake Peachtree dam), which functions as a permanent sediment basin to protect downstream water bodies from excessive sedimentation.</p> | |

NOTIFICATIONS

1. Notify Engineer (770-604-9095) and Owner (770-320-6016) 72 hours PRIOR TO the beginning of every phase of construction.

REQUIRED NOTES

- ✓15. 1. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STRIP BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- ✓16. 2. AMENDMENTS / REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 - 2.1. THE PRIMARY, SECONDARY OR TERTIARY PERMITTEES, AS APPLICABLE, SHALL AMEND THEIR PLANS TO REFLECT THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT.
 - 2.2. ALL REVISIONS OR AMENDMENTS SHALL BE SUBMITTED TO THE LOCAL ISSUING AUTHORITY FOR REVIEW.
- ✓17. 3. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
 - 3.1. INCLUDING BUT NOT LIMITED TO WASTE BUILDING MATERIALS, CONSTRUCTION AND DEMOLITION DEBRIS, CONCRETE WASHOUT OR EXCAVATED SEDIMENT
- ✓18. 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- ✓19. 5. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES, IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ✓20. 6. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

SURVEYOR:
ROCHESTER & ASSOCIATES
286 HIGHWAY 314
SUITE A
FAYETTEVILLE, GA 30214
(770) 716-8123

C:\Users\GSWCC\LOGO2.jpg

Georgia Soil and water
Conservation Commission

Alan E. Bowling
Level II Certified Design Professional

Certification Number: 000000432 Expires: 09/16/2016
Issued: 08/10/2008



811
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SOIL SURVEY DATA			SOIL SURVEY DATA			SOIL SURVEY DATA		
MAP UNIT SYMBOL	MAP UNIT NAME	SLOPE (%)	MAP UNIT SYMBOL	MAP UNIT NAME	SLOPE (%)	MAP UNIT SYMBOL	MAP UNIT NAME	SLOPE (%)
AkA	ALTAVISTA SANDY LOAM	0 - 3	CeB	CECIL SANDY LOAM	2 - 6	PaE	PACOLET SANDY LOAM	10 - 25
AmB	APPLING SANDY LOAM	2 - 6	CeC	CECIL SANDY LOAM	6 - 10	W	WATER	--
AmC	APPLING SANDY LOAM	6 - 10	CfC2	CECIL SANDY CLAY LOAM	6 - 10	WH	WEHADKEE SOILS	--
AsC	ASHLAR SANDY LOAM	2 - 10	GwE2	GWINNETT SANDY CLAY LOAM	10 - 25			



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OFFICIAL RECORD

6600 PEACHTREE DUNWOODY ROAD
400 EMBASSY ROW, SUITE 600
ATLANTA, GA 30328 PH: 770.604.9095

LAKE PEACHTREE
LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

EROSION CONTROL
EROSION AND SEDIMENTATION
CONTROL NOTES

AS NOTED

VERIFY SCALE

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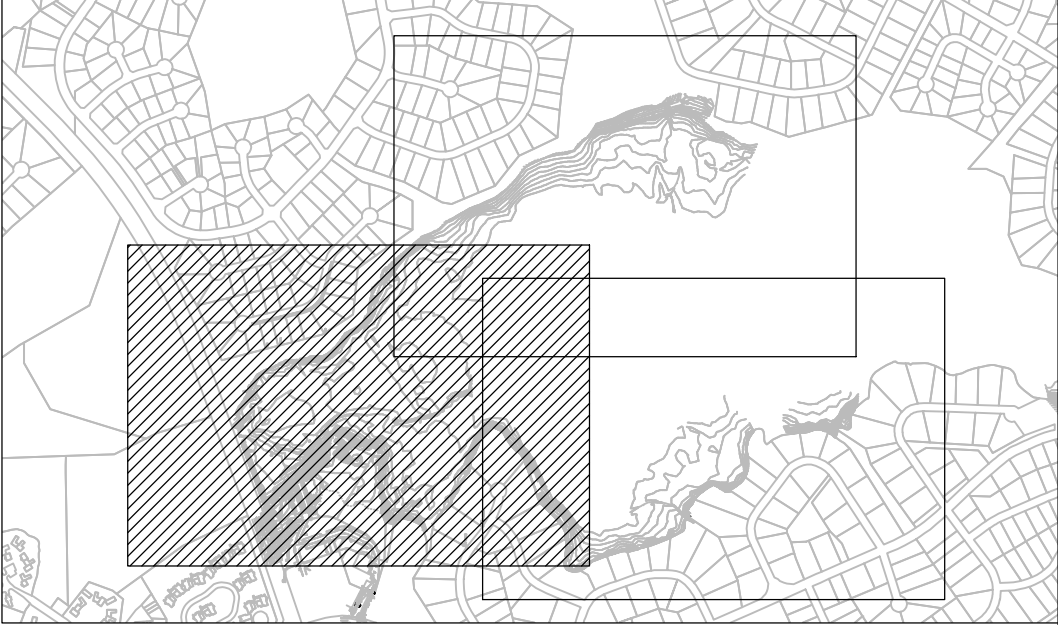
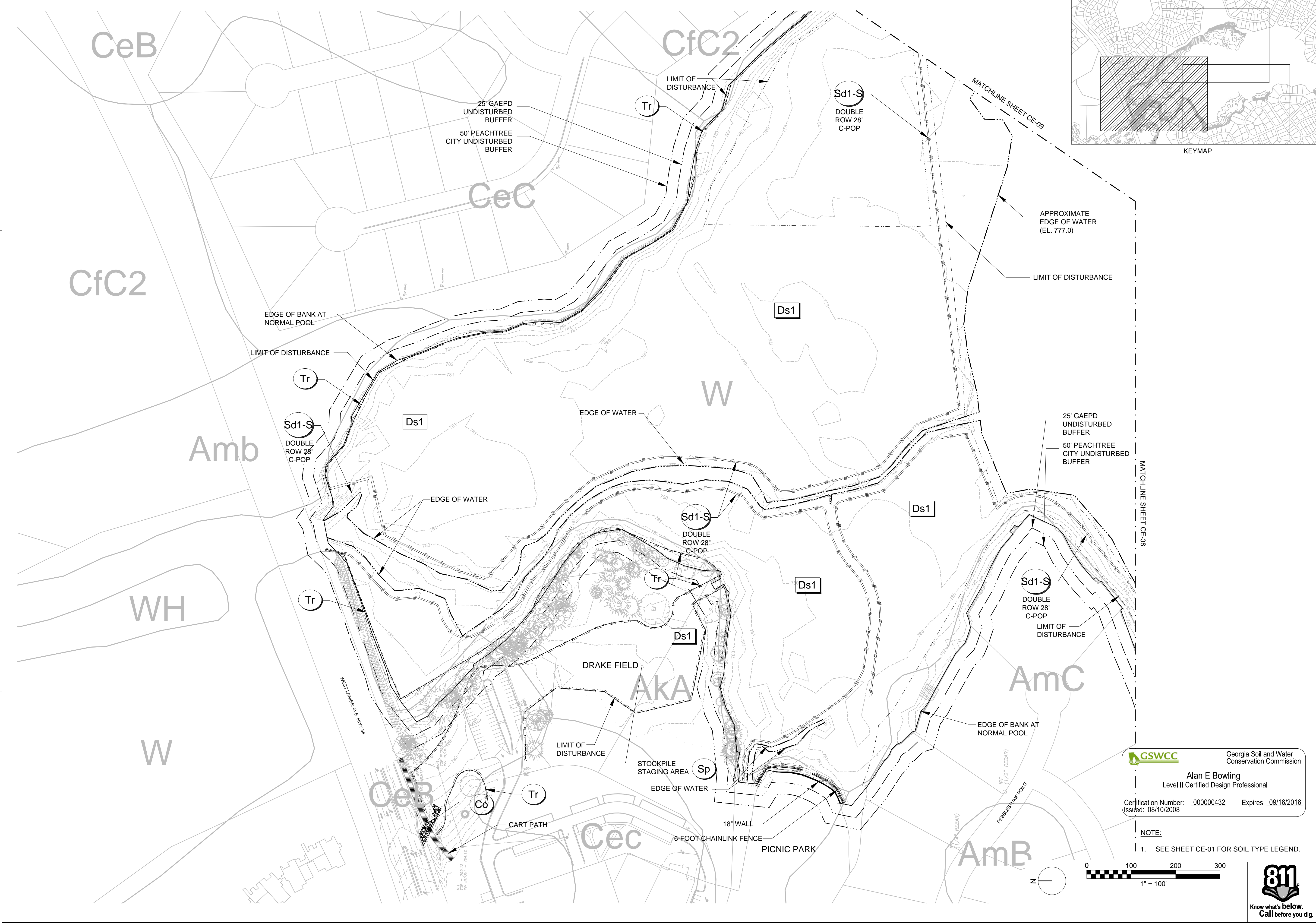
DATE	DECEMBER 2014
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PROJ	481967
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DWG	CE-01
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FILENAME:22-24 005-C-ES-01 481967.DWG PLOT DATE: Dec 03, 2014

PLOT TIME: 10:41pm



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LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

INITIAL EROSION AND SEDIMENTATION
CONTROL PLAN
(1 OF 3)

VERIFY SCALE
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ORIGINAL DRAWING
0 1"

DATE DECEMBER 2014
PROJ 481967
DWG CE-07
SHEET 19 of 27

30375

PROFESSIONAL

ALAN E.

REGISTERED

NO.

DATE

DR

REVISION

CHK

APVD

BY

APVD

A. BOWLING

J. RAMOS

J. MILLER

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LAKE PEACHTREE
LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

INITIAL EROSION AND SEDIMENTATION
CONTROL PLAN
(1 OF 3)

Georgia Soil and Water
Conservation Commission
Alan E. Bowling
Level II Certified Design Professional
Certification Number: 000000432 Expires: 09/16/2016
Issued: 08/10/2008

NOTE:
1. SEE SHEET CE-01 FOR SOIL TYPE LEGEND.

0 100 200 300
1" = 100'

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LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

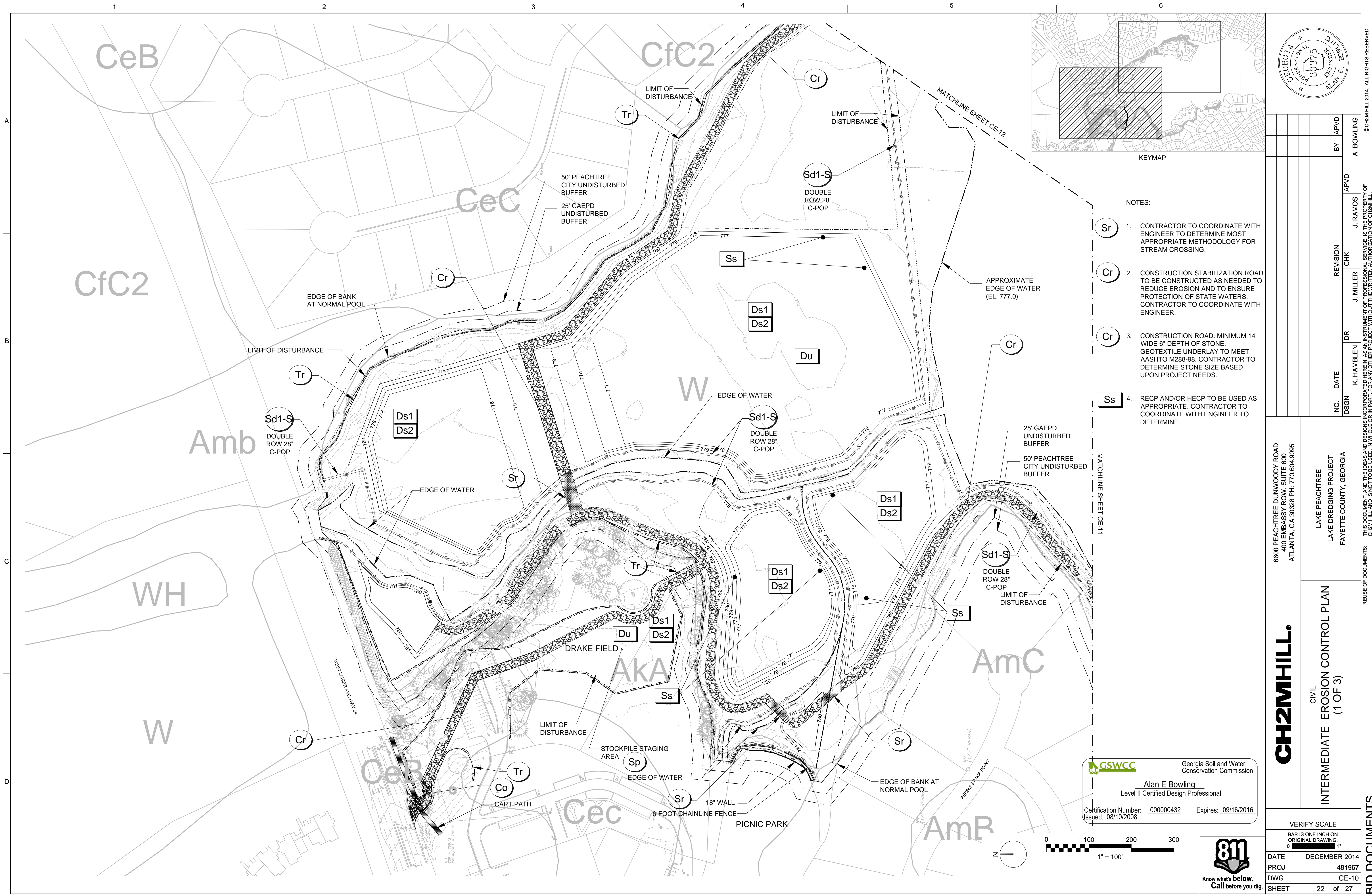
INITIAL EROSION AND SEDIMENTATION
CONTROL PLAN
(1 OF 3)

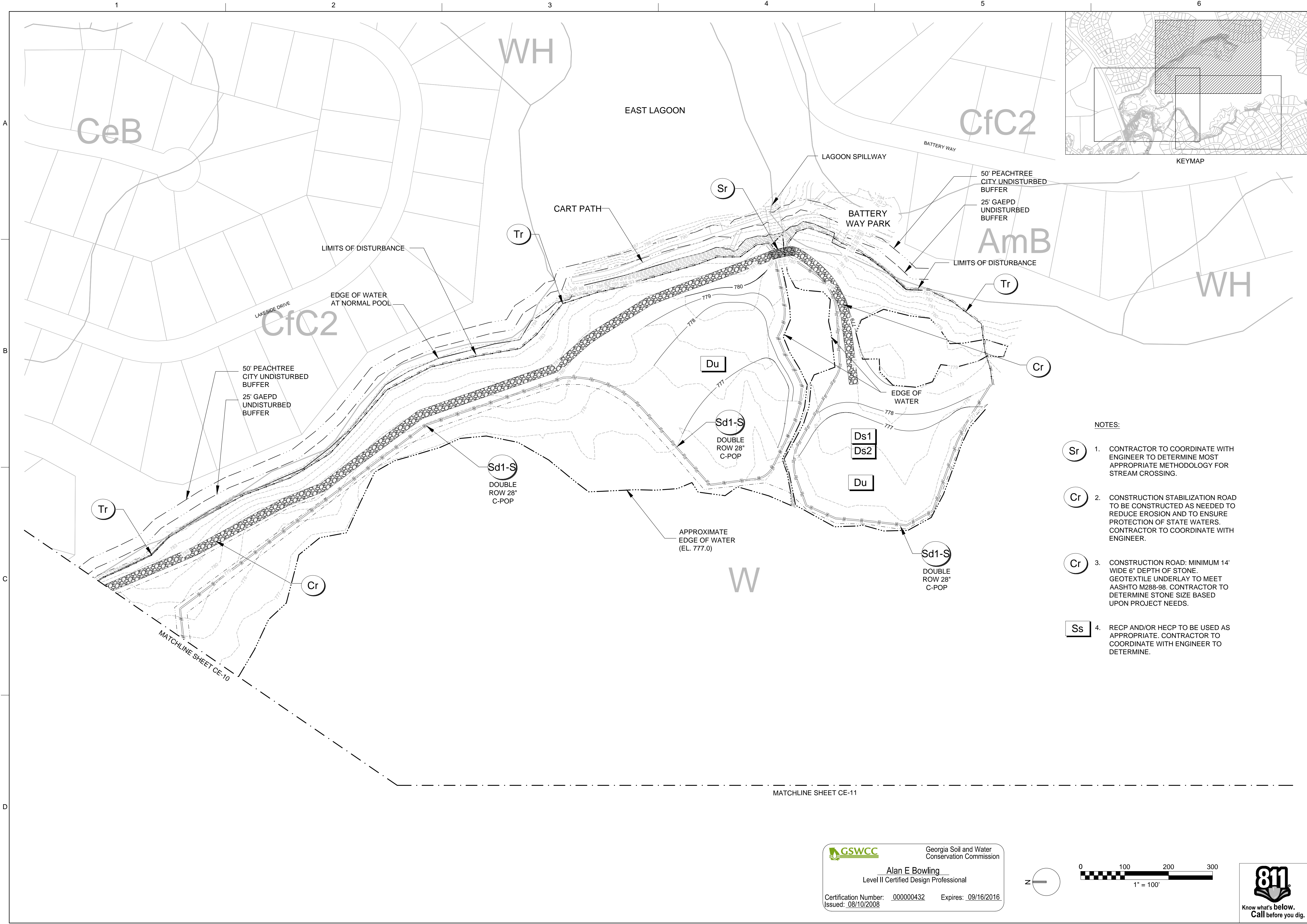
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0 1"

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PROJ 481967
DWG CE-07
SHEET 19 of 27

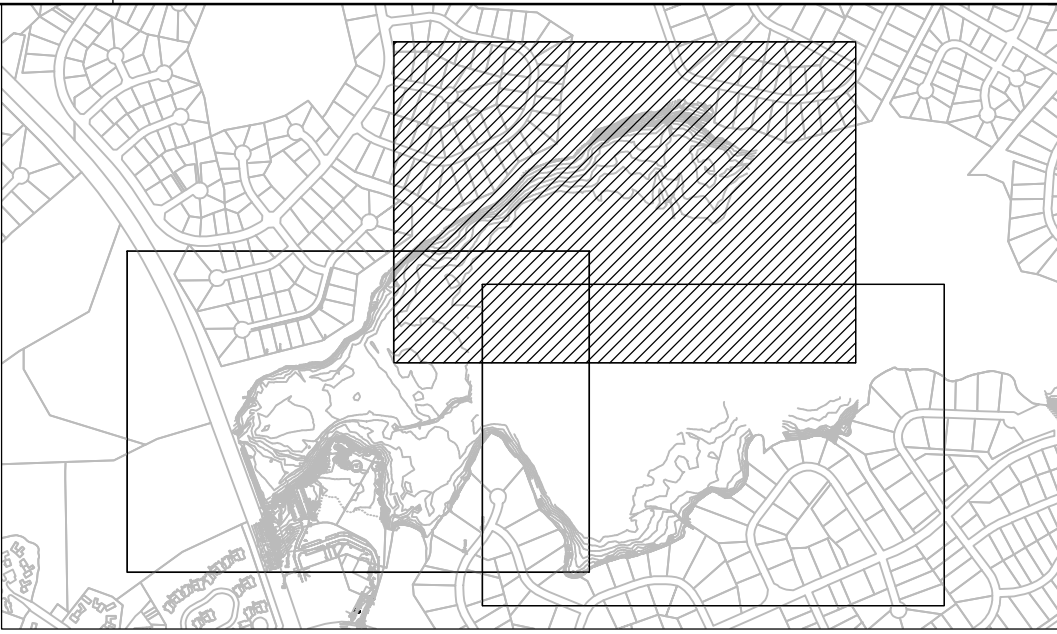
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BID DOCUMENTS





- NOTES:
- Sr** 1. CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE MOST APPROPRIATE METHODOLOGY FOR STREAM CROSSING.
 - Cr** 2. CONSTRUCTION STABILIZATION ROAD TO BE CONSTRUCTED AS NEEDED TO REDUCE EROSION AND TO ENSURE PROTECTION OF STATE WATERS. CONTRACTOR TO COORDINATE WITH ENGINEER.
 - Cr** 3. CONSTRUCTION ROAD: MINIMUM 14' WIDE 6" DEPTH OF STONE. GEOTEXTILE UNDERLAY TO MEET AASHTO M288-98. CONTRACTOR TO DETERMINE STONE SIZE BASED UPON PROJECT NEEDS.
 - Ss** 4. RECP AND/OR HECF TO BE USED AS APPROPRIATE. CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE.



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LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

INTERMEDIATE EROSION CONTROL PLAN
(3 OF 3)

VERIFICATION SCALE
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0 1" = 100'

DATE: DECEMBER 2014
PROJ: 481967
DWG: CE-12
SHEET: 24 of 27

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Georgia Professional Seal
Alan E. Bowling
Professional Engineer
No. 30375
Exp. 12/31/2014

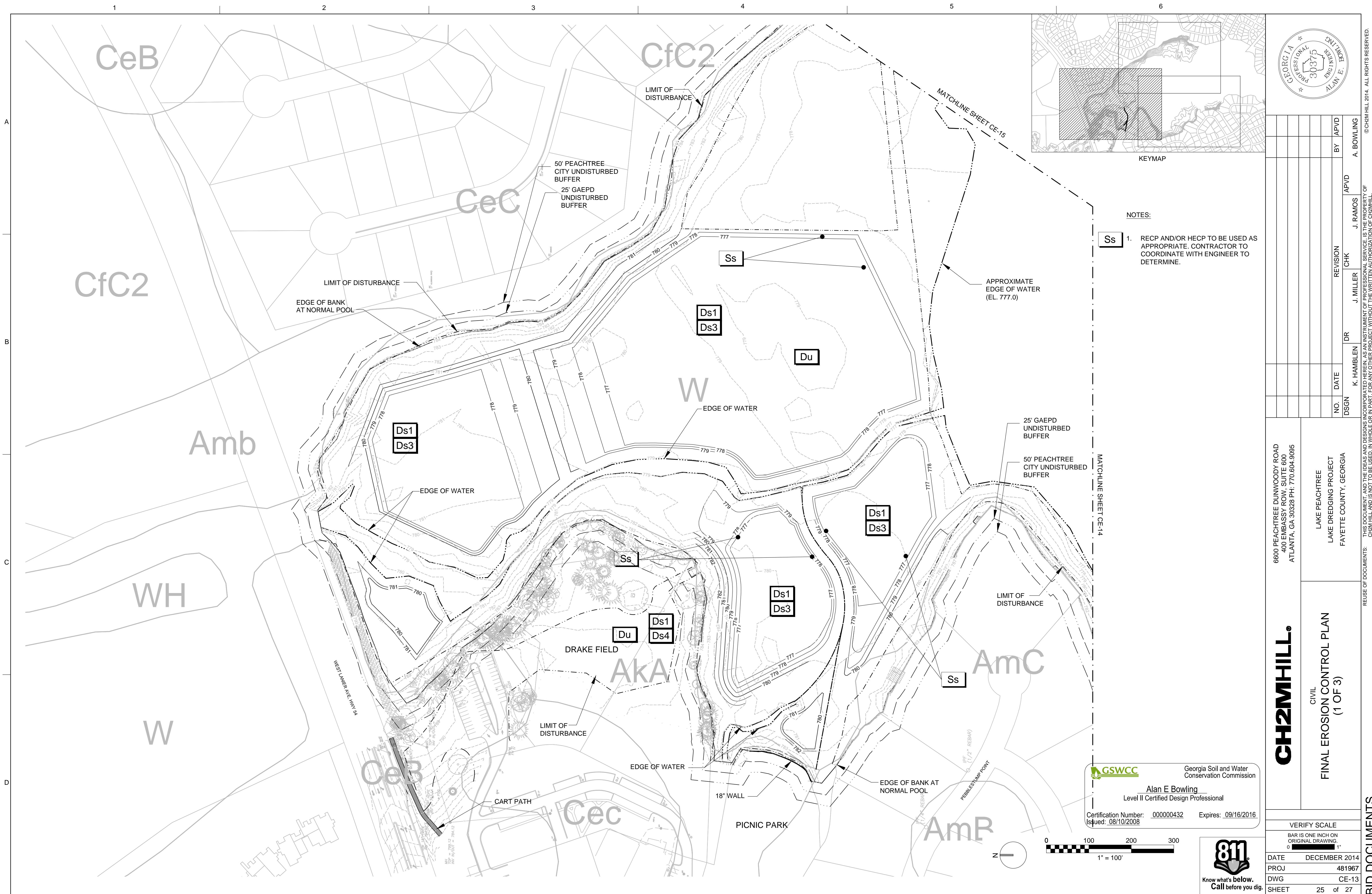
NO. DATE DSGN DR CHK REVISION BY APVD

APVD: A. BOWLING
CHK: J. MILLER
DR: K. HAMBLEN
BY: J. RAMOS

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FILENAME: 005-CE-11_481967.dwg PLOT DATE: Dec 03, 2014 PLOT TIME: 11:28pm



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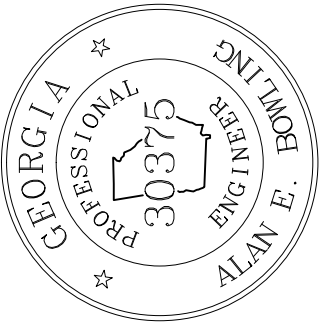
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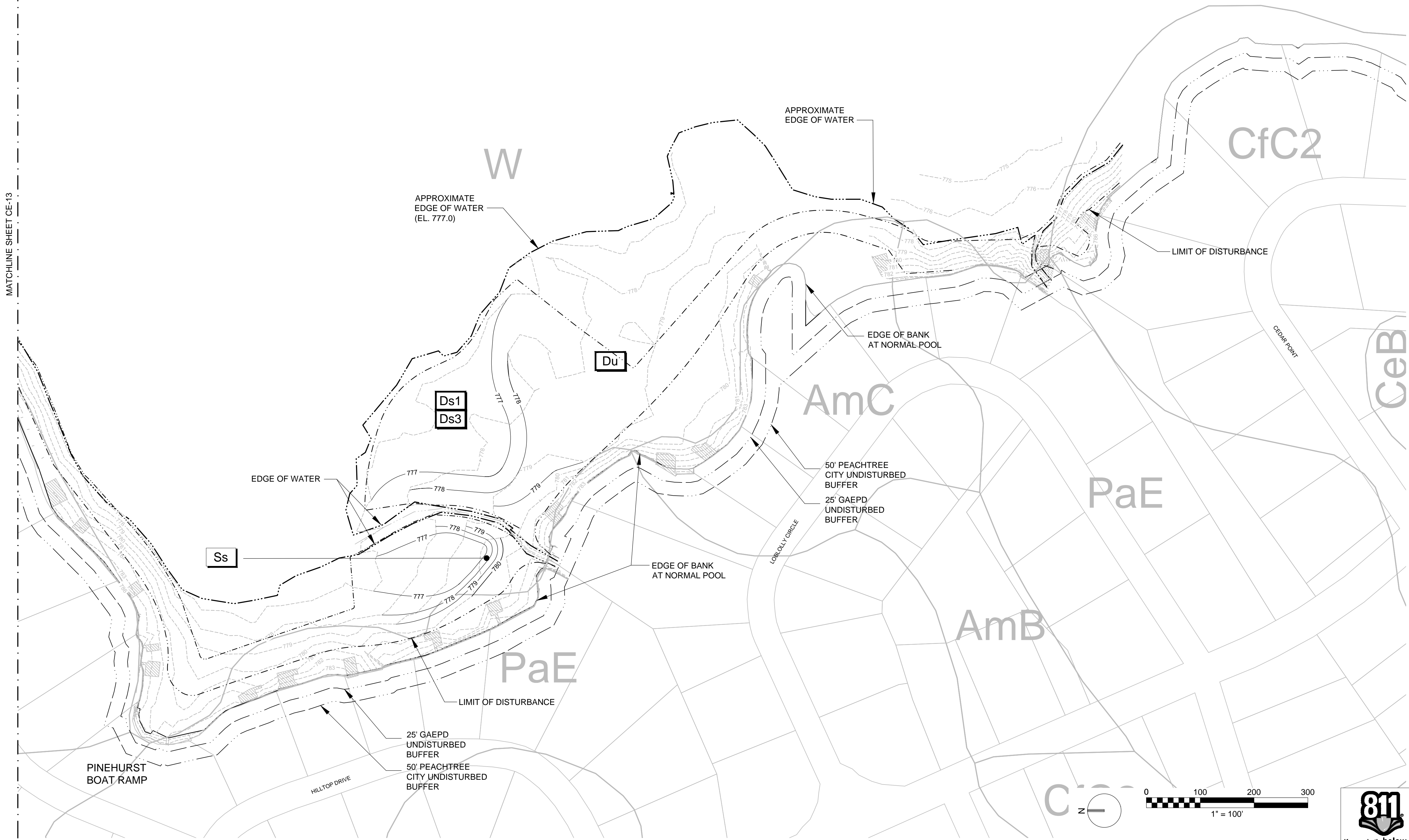


NOTES:

- Ss** 1. RECP AND/OR HECP TO BE USED AS APPROPRIATE. CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE.

MATCHLINE SHEET CE-13

MATCHLINE SHEET CE-15



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FAYETTE COUNTY, GEORGIA

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(2 OF 3)

VERIFY SCALE

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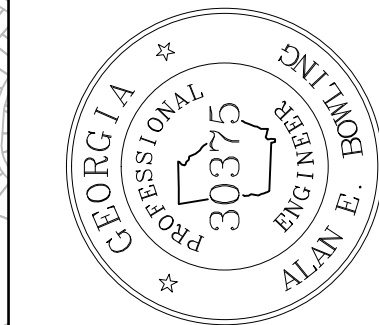
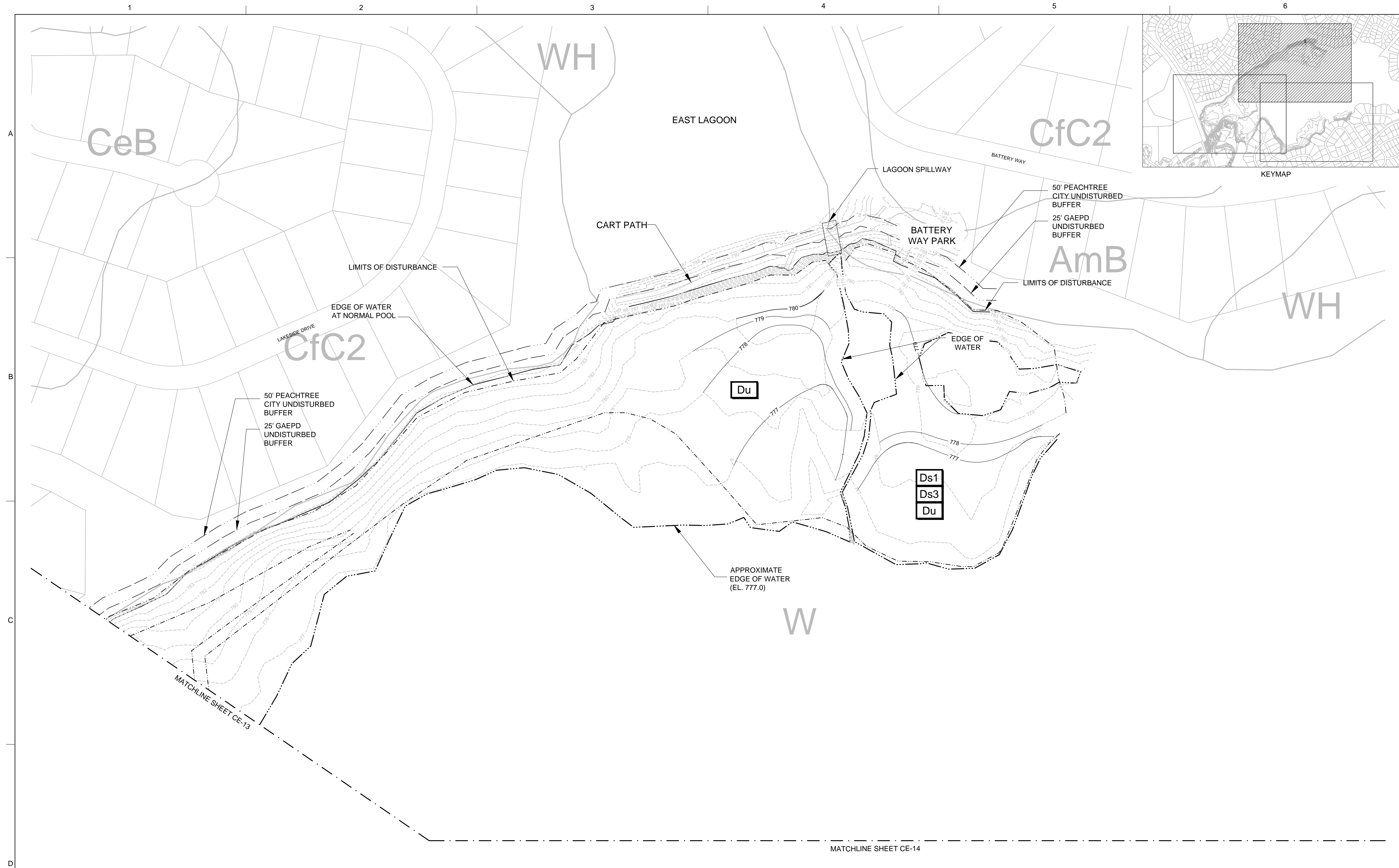
PROJ 481967

DWG CE-14

SHEET 26 of 27



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LAKE DREDGING PROJECT
FAYETTE COUNTY, GEORGIA

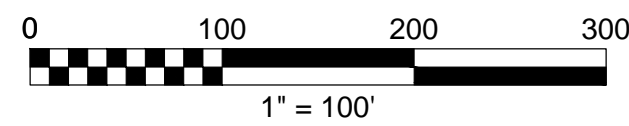
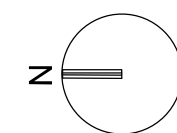
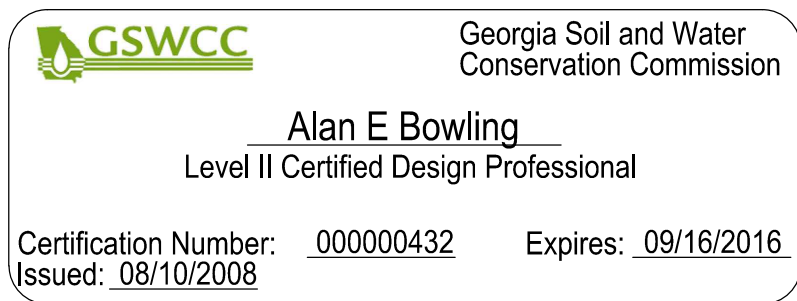
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FINAL EROSION CONTROL PLAN
(3 OF 3)

4	7	5	BID DOCUMENTS
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DWG	CE-15
SHEET	27 of 27