

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

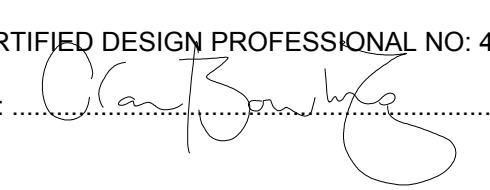
#### DESIGN PROFESSIONAL

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



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GENERAL NOTES

CONTRACTOR REQUIREMENTS:

1. WORK REQUIRED UNDER THIS CONTRACT INCLUDES FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS REQUIRED FOR THE REMOVAL OF ACCUMULATED SEDIMENT FROM LAKE PEACHTREE.

2. GENERAL CONTRACTORS BIDDING AND WORKING ON THIS PROJECT MUST BE GEORGIA LICENSED CONTRACTORS.

3. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF THE EXISTING SUBSURFACE CONDITIONS. ANY SUBSURFACE INVESTIGATION REPORTS ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. EXISTING SOIL CONDITIONS ON THE PROJECT SITE MAY INCLUDE AREAS OF SATURATED SOILS. CONTRACTOR SHALL INCLUDE PROVISIONS FOR WORKING ON WET SOILS IN HIS BID.

4. CONTRACTOR SHALL VERIFY WORK IN FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE START OF CONSTRUCTION.

5. CONTRACTOR SHALL HAVE AN APPROVED SET OF PLANS, SHOP DRAWINGS, AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES. SURVEY EQUIPMENT MUST BE KEPT ON SITE AT ALL TIMES.

SURVEY INFORMATION:

1. TOPOGRAPHIC DATA SHOWN ON THESE PLANS IS FOR THE INFORMATION OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE SUCH ADDITIONAL INVESTIGATIONS AS REQUIRED TO ACQUAINT HIMSELF ADEQUATELY WITH THE SITE TOPOGRAPHY AND SUBSURFACE CONDITIONS FOR THE PREPARATION OF HIS BID AND FOR THE SUCCESSFUL EXECUTION OF HIS WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY REQUIREMENTS OF THIS PROJECT AND SHALL USE A GEORGIA LICENSED LAND SURVEYOR.

3. EXISTING CONDITIONS INFORMATION AND TOPOGRAPHIC SURVEY SHOWN ON THIS DRAWING IS BASED ON A RECENT FIELD SURVEY PERFORMED BY ROCHESTER & ASSOCIATES, FAYETTEVILLE, GA (770) 716-8123. THIS SURVEY DEPICTS SITE CONDITIONS AT THE TIME OF THE SURVEY, SEPTEMBER 2014.

4. SURVEY HORIZONTAL AND VERTICAL CONTROL BASED ON GEORGIA STATE PLAN WEST NAD 83 AND NAVD 88. ALL STATIONING AND DISTANCES INDICATED ON THE DRAWINGS ARE BASED ON HORIZONTAL MEASUREMENTS.

5. SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF GEORGIA. PRIOR TO DISTURBANCE, CONTACT MONUMENT OWNER TO VERIFY LOCATION OF EXISTING MONUMENT.

PERMITTING/STORMWATER MANAGEMENT:

1. PRIOR TO ANY LAND DISTURBANCE ACTIVITY, THE LIMITS OF CONSTRUCTION SHALL BE CLEARLY AND ACCURATELY DEMARCATED BY THE CONTRACTOR. ALL PERIMETER CONTROLS, EROSION CONTROL, AND TREE PROTECTION MEASURES SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. REFER TO "CE" DRAWINGS FOR CONSTRUCTION ENTRANCE/EXITS, ACCESS ROADS, STAGING AREAS, TREE PROTECTION FENCING, AND ALL OTHER EROSION CONTROL MEASURES.

2. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMITS AS REQUIRED, INCLUDING LAND DISTURBANCE, NPDES STORM WATER, AND CONSTRUCTION PERMITS AND SHALL MAKE ALL NOTIFICATIONS AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NPDES STORMWATER PERMIT.

3. CONTRACTOR SHALL COORDINATE WITH ENGINEER AND OWNER PRIOR TO STARTING WORK.

4. WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND, 2) THE APPROPRIATE PLAN SHEET DOES NOT INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE MAPS; AND, 3) THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED. THERE ARE NO WETLANDS BEING DISTURBED ONSITE.

5. THE LAKE THAT IS BEING IMPROVED AS PART OF THIS PROJECT IS LIKELY JURISDICTIONAL WATERS OF THE UNITED STATES. THE EXTENT OF THE JURISDICTIONAL WATERS ARE SHOWN ON THE OVERALL SITE PLAN. A NATIONWIDE PERMIT (# 33) HAS BEEN OBTAINED FROM THE US ARMY CORPS OF ENGINEERS FOR CROSSING STREAMS AS PART OF THIS PROJECT.

6. THE OWNER/ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOODPLAINS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.

7. THIS PROJECT IS LOCATED WITHIN THE FLOODPLAIN ZONE A PER FIRM PANEL 131130089E, DATED SEPTEMBER 26, 2008.

ACCESS:

1. THE CONTRACTOR SHALL NOT ACCESS THE WORK FOR THIS PROJECT EXCEPT AT SPECIFIC ACCESS POINTS THAT ARE AGREED UPON IN WRITING BETWEEN THE CONTRACTOR AND PROPERTY OWNERS.

UTILITY NOTES:

1. THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION OF UTILITY SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UTILITIES PROTECTION CENTER IN METRO ATLANTA OR THROUGHOUT GEORGIA (811) AND/OR OWNERS OF THE UTILITIES TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

2. CONTRACTOR IS TO MAINTAIN CONTINUOUS UTILITY SERVICES TO ALL LOCATIONS IN THE PROJECT AREA.

3. THE CONTRACTOR SHALL PROVIDE ACCESS TO UTILITY COMPANIES FOR MAINTENANCE AND WORK ON THEIR UTILITIES DURING THE COURSE OF CONSTRUCTION.

4. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES WHOSE LINES ARE WITHIN THE PROJECT AREA, PRIOR TO CONSTRUCTION, AND SHALL COORDINATE ANY RELOCATION OF THE EXISTING UTILITIES, UNLESS OTHERWISE SPECIFIED OF THE PLANS. ANY CONFLICTS WITH THE EXISTING UTILITIES WHICH ARE NOT NOTED ON THE PLANS SHALL BE RESOLVED BETWEEN THE CONTRACTOR AND THE RESPECTIVE UTILITY COMPANY AT NO COST TO THE OWNER. ALL SUCH RELOCATIONS SHALL BE NOTED ON THE AS BUILT DRAWINGS.

5. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY CONTRACTOR OPERATIONS AND/OR RELATED WORK OF THE CONTRACTOR OR HIS AGENT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO DAMAGED UTILITIES AT HIS OWN EXPENSE. CONTRACTOR SHALL HOLD HARMLESS THE ENGINEER AND THE OWNER FOR ANY INCONVENIENCE OR DELAY CAUSED BY THE OPERATIONS OF OTHERS IN PERFORMING THE ABOVE WORK. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHERS TO PROVIDE SATISFACTORY PROGRESS IN THE PROJECT AREA.

6. UTILITY LATERALS ARE SPECIFICALLY EXCLUDED FROM THESE DRAWINGS. THESE UTILITY LATERALS INCLUDE BURIED WATER, SEWER, GAS, ELECTRIC, TELEVISION AND TELEPHONE SERVICES, STREET LIGHTING AND TRAFFIC DETECTOR LOOPS. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SUCH FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION. PAYMENT FOR LOCATING, PROTECTING, COORDINATING, AND REPAIRING EXISTING FACILITIES WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE THEREFORE. ALL REPAIRS SHALL BE MADE IN ACCORDANCE WITH STANDARDS AND REQUIREMENTS OF THE UTILITY OWNER. UTILITY SUPPORT METHODS WILL BE SUBMITTED TO ENGINEER PRIOR TO CONSTRUCTION FOR APPROVAL.

7. UTILITIES SHOWN ON THIS DRAWING ARE BASED ON VISUAL OBSERVATION AND LOCATION. UNDERGROUND UTILITIES ARE NOT SHOWN, AND ARE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE. THE CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION CENTER AT 811 PRIOR TO ANY DIGGING.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER OF ALL ACTIVITIES THAT SIGNIFICANTLY AFFECT NOISE LEVELS OR TRAFFIC IN THE AREA.

2. THE CONTRACTOR SHALL DISPOSE OF WASTE SOIL OFF SITE, AT AN APPROVED SITE THAT MEETS ALL APPLICABLE STATE AND LOCAL PERMITTING REQUIREMENTS. THE CONTRACTOR SHALL STOCKPILE EXCAVATION MATERIAL IN ACCORDANCE WITH GADOT STANDARD SPECIFICATIONS.

3. CONTRACTOR SHALL ACCESS THE LAKE VIA THE ACCESS ROADS SHOWN ON DRAWINGS.

4. TREE REMOVAL FOR STAGING AREAS AND ACCESS TO LAKE WILL NOT BE PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS, OR APPROVED IN WRITING BY THE PROPERTY OWNER. THE CONTRACTOR SHALL STAKE OUT CONSTRUCTION LIMITS AND STAGING AREAS FOR APPROVAL BY ENGINEER PRIOR TO CLEARING.

5. CONTRACTOR SHALL PROTECT EXISTING UTILITIES, SIDEWALKS AND TRAILS WHEN CROSSING FOR ACCESS. SANITARY SEWER UTILITY EASEMENTS MAY ONLY BE CROSSED AT DESIGNATED LOCATIONS AS SHOWN ON DRAWINGS. EXISTING UTILITIES OR FEATURES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED / REPLACED BY THE CONTRACTOR TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

6. GRADES, ELEVATIONS, AND LOCATIONS SHOWN ON THE PLANS FOR DRAINAGE STRUCTURES MAY BE MINIMALLY ADJUSTED DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE AS DIRECTED BY THE ENGINEER TO ACCOMMODATE UNFORESEEN EXISTING CONDITIONS.

7. ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH APPLICABLE PEACHTREE CITY STANDARDS.

JOB SITE CONDITIONS:

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.

2. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE WORK SITE AGAINST TRESPASS, VANDALISM, DUMPING, AND THEFT.

3. CONTRACTOR SHALL MAINTAIN STORM DRAINAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TO AND THROUGH EXISTING DRAINAGE FACILITIES FROM ALL DISTURBED AREAS BOTH DURING AND AT THE COMPLETION OF THE PROJECT.

TRAFFIC NOTES:

1. TRAFFIC CONTROL SIGNS AND BARRICADES SHALL BE INSTALLED AND MAINTAINED IN ORDER TO ALLOW LOCAL TRAFFIC ROADWAY ACCESS DURING CONSTRUCTION PERIODS. THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL MAINTAIN ADEQUATE INGRESS AND EGRESS TO ALL PROPERTIES/DRIVEWAYS AT ALL TIMES.

2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE SIGNAGE, BARRICADES, AND LIGHTS FOR PROTECTION FROM TRAFFIC. ANY EXISTING ROAD SIGN REMOVED FOR CONSTRUCTION SHALL BE REPLACED BY THE END OF THE WORKING DAY.

3. THE CONTRACTOR SHALL NOT CLOSE OR BLOCK ANY HIGHWAY, STREET, OR ROADWAY WITHOUT OBTAINING PRIOR WRITTEN PERMISSION FROM THE PROPER AUTHORITIES.

4. THE CONTRACTOR WILL COORDINATE TRAFFIC CONTROL ISSUES WITH THE CITY DOT, ENGINEER, AND OWNER.

VEGETATION DISTURBANCE:

1. TREES SHALL NOT BE DAMAGED OR REMOVED UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. LANDSCAPING NOT DESIGNATED FOR REMOVAL THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED WITH THE SAME VARIETIES AND AGE OF EXISTING LANDSCAPE VEGETATION AND PLANTS. THE CONTRACTOR SHALL NOT DISTURB AND SHALL PROTECT ALL TREES AND SHRUBS OUTSIDE OF CONSTRUCTION LIMITS, IN ADDITION TO THOSE THAT RECEIVE TREE/SHRUB PROTECTION BARRIERS INSIDE PROJECT LIMITS.

2. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT INJURY TO EXISTING VEGETATION THAT IS TO REMAIN GROWING. IF ANY INJURIES TO VEGETATION OCCUR, BROKEN BRANCHES SHALL BE REMOVED AND ROUGH EDGES AND SCARRED LIMBS SHALL BE SHAPED, MADE SMOOTH, AND OTHERWISE REPAIRED. ANY VEGETATION THAT IS DAMAGED TO SUCH AN EXTENT AS TO DESTROY THEIR VALUE FOR LANDSCAPE PURPOSES SHALL BE REMOVED, DISPOSED OF, AND REPLACED. GRASS OR GROUND COVER THAT IS DAMAGED SHALL BE SEEDED AND MULCHED AND/OR SODDED TO MATCH EXISTING AGE AND SPECIES BY THE CONTRACTOR AT HIS OWN EXPENSE.

3. TREES GREATER THAN 6" DIAMETER AT BREAST HEIGHT SHALL NOT BE CUT DOWN WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER (UNLESS MARKED FOR REMOVAL ON DEMOLITION PLAN). RADIUS OF TREE PROTECTION BARRIER FENCING IS REQUIRED FOR TREES WITH GREATER THAN 6" CALIPER AT BREAST HEIGHT AND SHALL BE ONE (1) FOOT FROM TREE TRUNK FOR EACH INCH OF TRUNK DIAMETER, OR ONE QUARTER (1/4) THE HEIGHT OF THE TREE-WHICHEVER IS GREATER.

4. CONSTRUCTION DEBRIS AND TREES THAT HAVE BEEN DAMAGED OR FELLED SHALL BE REMOVED OFF SITE BY THE CONTRACTOR OR USED AS MULCH TO STABILIZE DISTURBED AREAS.

5. ALL WASTE, SEDIMENT, DEBRIS, BRUSH, DISCARDED MATERIALS, AND RUBBISH SHALL BE HAULED OFF THE PROJECT SITE NO LESS THAN ONCE PER WEEK. EXISTING SITE MAY CONTAIN RUBBISH THAT SHALL BE REMOVED PRIOR TO SITE GRADING. ANY MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A LAWFUL MANNER AT ONLY APPROVED AND PERMITTED DISPOSAL SITE(S).

6600 PEACHTREE DUNWOODY ROAD  
400 EMBASSY ROW, SUITE 600  
ATLANTA, GA 30328 PH: 770.804.9095

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

GENERAL

GENERAL NOTES

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

DATE DECEMBER 2014

PROJ 481967

DWG G-03

SHEET 3 of 27

811

Know what's below.  
Call before you dig.

GEORGIA

PROFESSIONAL

30375

ENVIRONMENTAL

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QAVOC AND PERMITTING

REVISION

CHK

APVD

J. MILLER

DR

K. HAMBLIN

J. RAMOS

A. BOWLING

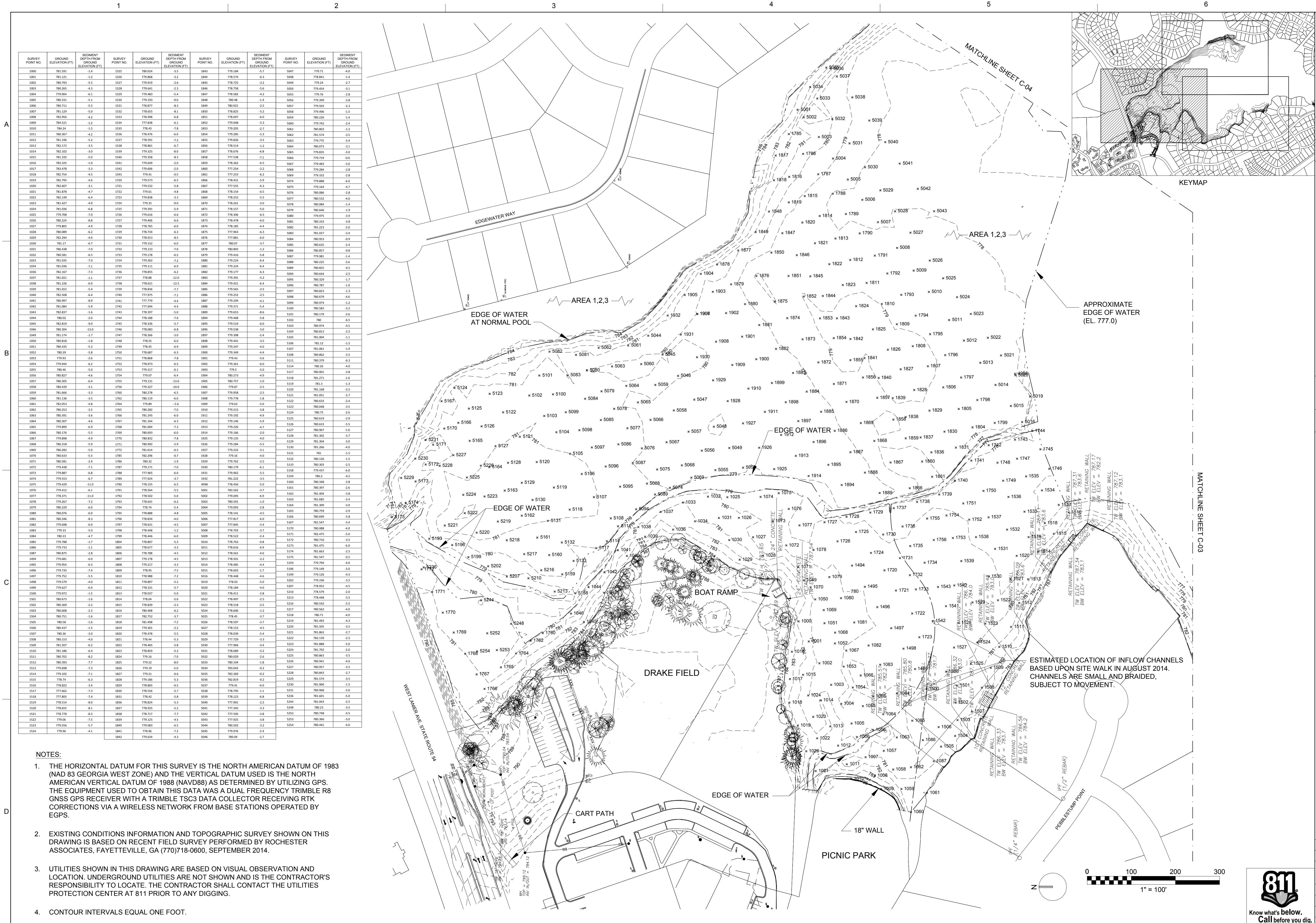
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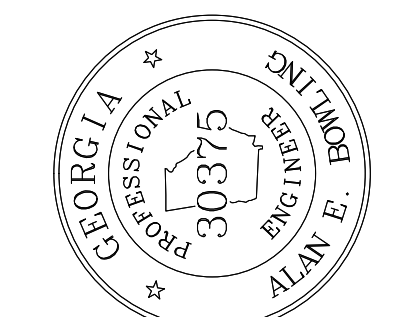
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FILENAME: 01\_03-000-G-0001\_481967.dwg PLOT DATE: Jan 01, 2015 PLOT TIME: 3:04pm



- NOTES:
1. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE R8 GNSS GPS RECEIVER WITH A TRIMBLE TSC3 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY EGPS.
  2. EXISTING CONDITIONS INFORMATION AND TOPOGRAPHIC SURVEY SHOWN ON THIS DRAWING IS BASED ON RECENT FIELD SURVEY PERFORMED BY ROCHESTER ASSOCIATES, FAYETTEVILLE, GA (770)718-0600, SEPTEMBER 2014.
  3. UTILITIES SHOWN IN THIS DRAWING ARE BASED ON VISUAL OBSERVATION AND LOCATION. UNDERGROUND UTILITIES ARE NOT SHOWN AND IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE. THE CONTRACTOR SHALL CONTACT THE UTILITIES PROTECTION CENTER AT 811 PRIOR TO ANY DIGGING.
  4. CONTOUR INTERVALS EQUAL ONE FOOT.



APVD	BY	AEB	KH

APVD	BY	AEB	KH

APVD	BY	AEB	KH

APVD	BY	AEB	KH

APVD	BY	AEB	KH

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APVD	BY	AEB	KH

APVD	BY	AEB	KH

6600 PEACHTREE DUNWOODY ROAD  
400 EMBASSY ROW, SUITE 600  
ATLANTA, GA 30328 PH: 770.804.9085

CIVIL  
EXISTING CONDITIONS  
AREAS 1,2,3  
(1 OF 3)

VERIFY SCALE  
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
0 1" = 100'

DATE DECEMBER 2014  
PROJ 481967  
DWG C-02  
SHEET 5 of 27

BID DOCUMENTS

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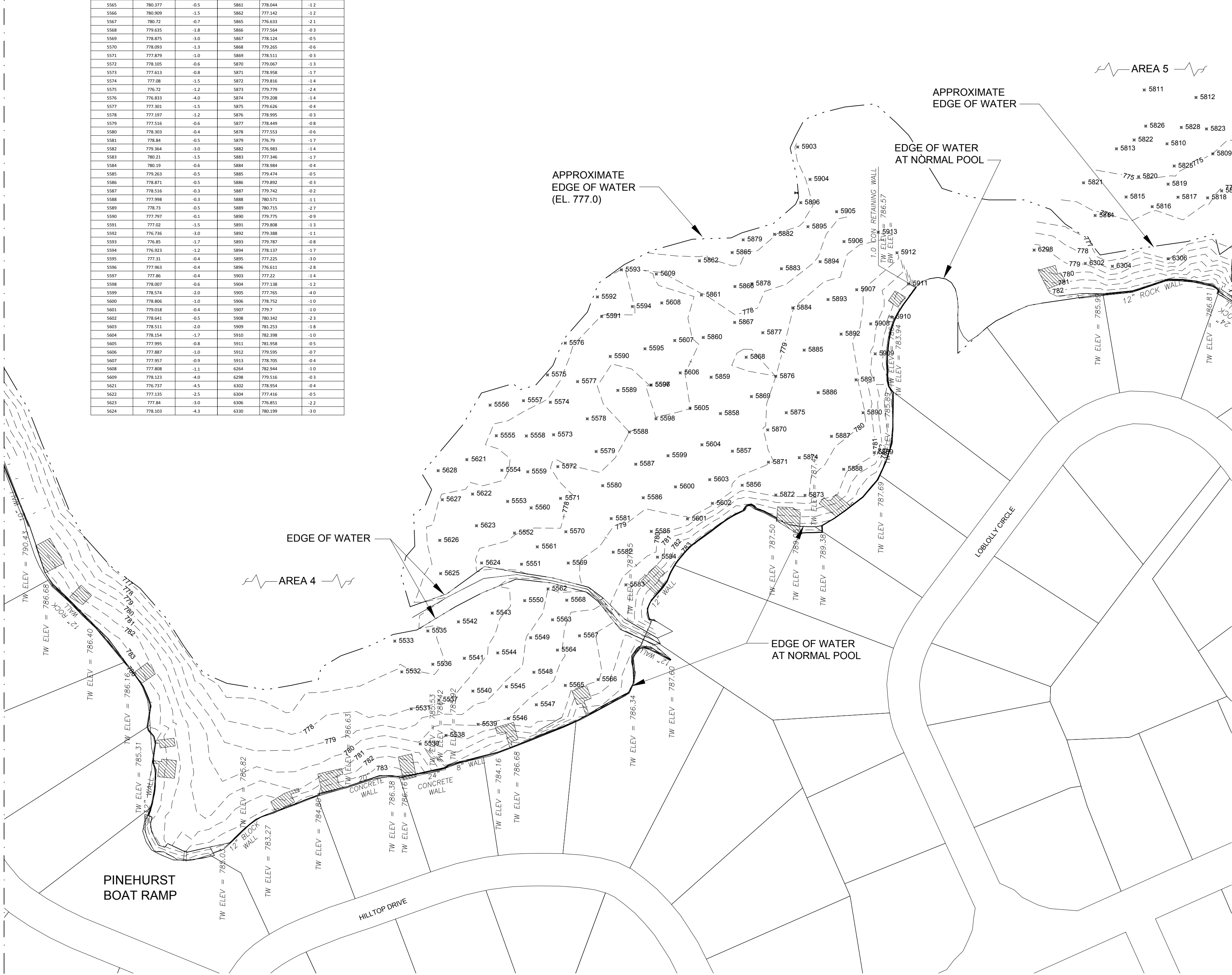
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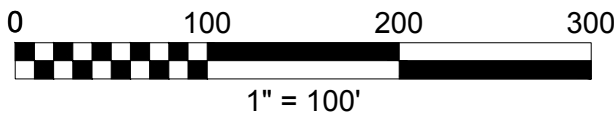
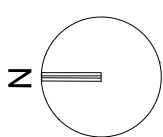
MATCHLINE SHEET C-02

SURVEY POINT NO.	GROUND ELEVATION (FT.)	BEDMENT DEPTH FROM GROUND (ELEVATION (FT.))	SURVEY POINT NO.	GROUND ELEVATION (FT.)	BEDMENT DEPTH FROM GROUND (ELEVATION (FT.))
5530	780.141	-0.0	5625	777.195	-2.5
5531	778.004	-0.0	5626	777.604	-4.0
5532	777.096	-0.0	5627	777.125	-5.0
5533	776.716	-6.0	5628	776.475	-3.0
5535	776.869	-3.0	5804	774.083	-1.0
5536	776.733	-1.5	5805	774.738	-4.2
5537	777.678	-1.5	5806	775.433	-0.4
5538	781.021	-2.5	5807	775.989	-0.3
5539	779.901	-1.0	5808	776.141	-0.7
5540	778.4	-0.5	5809	775.893	-0.6
5541	777.415	-1.0	5810	774.467	-0.6
5542	777.204	-0.8	5811	774.49	-1.0
5543	777.71	-1.3	5812	774.632	-2.0
5544	778.264	-2.0	5813	774.28	-1.2
5545	779.139	-0.5	5814	776.103	-0.5
5546	778.998	-2.0	5815	775.534	-0.7
5547	780.931	-1.2	5816	775.925	-0.5
5548	779.341	-0.3	5817	775.598	-0.8
5549	779.133	-1.0	5818	775.89	-0.4
5550	778.225	-1.5	5819	775.147	-1.0
5551	778.597	-1.5	5820	774.944	-0.7
5552	777.999	-2.0	5821	775.571	-0.9
5553	777.54	-2.0	5822	774.087	-1.2
5554	776.748	-1.0	5823	774.708	-1.2
5555	777.154	-1.5	5824	776.073	-0.4
5556	776.799	-2.5	5825	774.828	-0.2
5557	776.794	-3.0	5826	774.479	-0.4
5558	777.49	-1.0	5827	775.251	-0.7
5559	777.678	-4.0	5828	774.825	-2.0
5560	777.474	-3.0	5829	775.213	-0.5
5561	778.496	-2.0	5827	778.42	-0.4
5562	779.001	-1.5	5828	778.406	-1.1
5563	779.412	-1.0	5829	778.619	-0.9
5564	779.785	-1.0	5830	778.027	-0.4
5565	780.377	-0.5	5861	778.044	-1.2
5566	780.909	-1.5	5862	777.142	-1.2
5567	780.71	-0.7	5865	778.613	-2.1
5568	778.619	-1.8	5866	777.564	-0.3
5569	778.875	-3.0	5867	778.124	-0.5
5570	778.091	-1.3	5868	779.265	-0.6
5571	777.879	-3.0	5869	778.511	-0.9
5572	778.105	-0.6	5870	779.027	-1.3
5573	777.613	-0.8	5871	778.958	-1.7
5574	777.08	-1.5	5872	779.856	-1.4
5575	776.72	-1.2	5873	779.779	-2.4
5576	776.653	-4.0	5874	779.288	-1.4
5577	777.301	-1.5	5875	779.626	-0.4
5578	777.197	-1.2	5876	778.995	-0.3
5579	777.515	-0.6	5877	778.449	-0.8
5580	778.923	-0.4	5878	777.553	-0.6
5581	778.84	-0.5	5879	776.79	-1.7
5582	779.364	-3.0	5882	778.983	-1.4
5583	780.21	-1.5	5883	777.346	-1.7
5584	780.19	-0.6	5884	778.984	-0.4
5585	779.263	-0.5	5885	779.474	-0.5
5586	778.871	-0.5	5886	779.892	-0.3
5587	778.516	-0.3	5887	779.742	-0.2
5588	777.998	-0.3	5888	780.571	-1.1
5589	778.73	-0.5	5889	780.715	-2.7
5590	777.797	-0.1	5890	779.775	-0.9
5591	777.52	-1.1	5891	779.898	-1.9
5592	776.736	-3.0	5892	779.388	-1.1
5593	776.85	-1.7	5893	779.787	-0.8
5594	776.923	-1.2	5894	778.137	-1.7
5595	777.1	-0.4	5895	777.223	-1.0
5596	777.963	-0.4	5896	776.611	-2.8
5597	777.86	-0.4	5903	777.22	-1.4
5598	778.007	-0.6	5904	777.138	-1.2
5599	778.524	-2.0	5905	777.765	-4.0
5600	778.806	-1.0	5906	778.752	-1.0
5601	779.018	-0.4	5907	779.7	-1.0
5602	778.641	-0.5	5908	780.342	-2.3
5603	778.511	-2.0	5909	781.253	-1.8
5604	778.154	-1.7	5910	782.398	-1.0
5605	777.995	-0.8	5911	781.958	-0.5
5606	777.887	-1.0	5912	779.595	-0.7
5607	777.927	-0.9	5913	778.705	-0.4
5608	777.808	-1.1	6264	782.944	-1.0
5609	778.123	-4.0	6268	779.516	-0.3
5621	776.737	-4.5	6302	778.954	-0.4
5622	777.135	-2.5	6306	777.416	-0.5
5623	777.84	-3.0	6306	776.851	-2.2
5624	778.101	-4.3	6310	780.199	-3.0



NOTES:

- THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE R8 GNSS GPS RECEIVER WITH A TRIMBLE 15C3 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY EGPS.
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- CONTOUR INTERVALS EQUAL ONE FOOT.



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CIVIL  
EXISTING CONDITIONS  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA  
(2 OF 3)

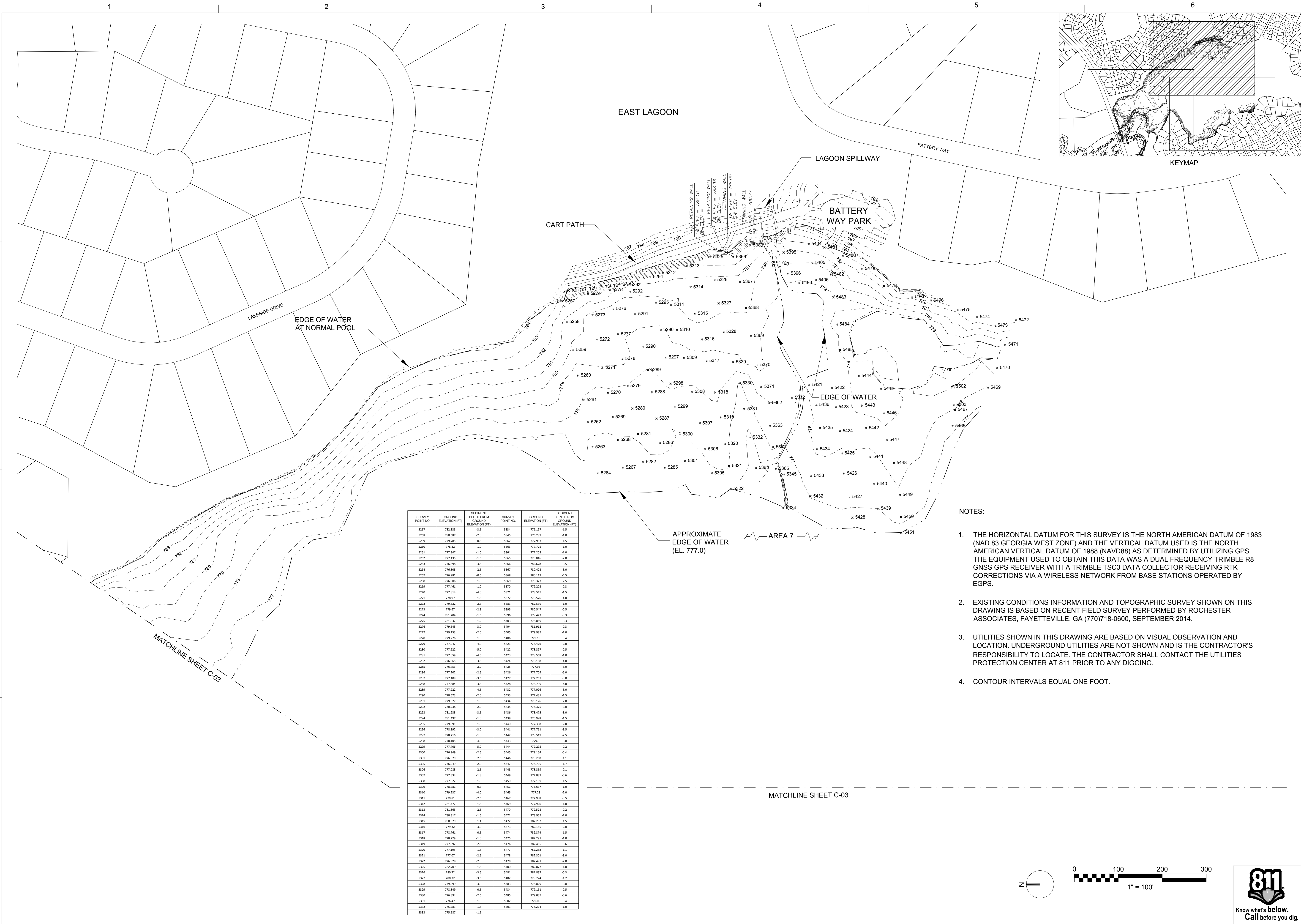
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
DATE	DECEMBER 2014
PROJ	481967
DWG	C-03
SHEET	6 of 27

QAVOC AND PERMITTING		REVISION		CHK	APVD
KH	AEB	BY	APVD		
1	02 JAN 15	NO.	DATE	DR	APVD
DSGN				K. HAMBLIN	J. RAMOS
				J. MILLER	A. BOWLING



KEYMAP





SURVEY POINT NO.	GROUND ELEVATION (FT)	SEDIMENT DEPTH FROM GROUND ELEVATION (FT)	SURVEY POINT NO.	GROUND ELEVATION (FT)	SEDIMENT DEPTH FROM GROUND ELEVATION (FT)
5257	782.335	-1.5	5334	776.197	-1.0
5258	780.587	-2.0	5345	776.289	-1.5
5259	779.785	-0.5	5362	777.953	-1.5
5260	778.32	-1.0	5363	777.725	-1.0
5261	777.947	-1.0	5364	777.203	-1.0
5262	777.135	-1.5	5365	776.816	-2.0
5263	776.898	-1.5	5366	782.678	-0.5
5264	776.808	-2.5	5367	780.423	-3.0
5267	776.981	-0.5	5368	780.119	-4.5
5268	776.906	-1.3	5369	779.373	-2.5
5269	777.461	-2.8	5370	779.269	-0.3
5270	777.854	-4.0	5371	778.545	-1.5
5271	778.97	-1.5	5372	778.576	-4.0
5272	779.522	-2.3	5383	782.539	-1.0
5273	779.47	-2.8	5389	780.347	-0.5
5274	781.704	-1.5	5396	779.473	-0.3
5275	781.337	-1.2	5403	778.869	-0.3
5276	779.543	-3.0	5404	781.912	-0.3
5277	778.353	-1.0	5405	779.980	-1.0
5278	779.276	-1.0	5406	779.19	-0.8
5279	777.947	-4.0	5421	778.476	-3.0
5280	777.822	-5.0	5422	778.397	-0.5
5281	777.099	-4.8	5423	778.558	-1.0
5282	776.865	-3.5	5424	778.168	-4.0
5285	776.753	-2.0	5425	777.95	-5.0
5286	777.202	-2.5	5426	777.709	-6.0
5287	777.109	-3.5	5427	777.257	-3.0
5288	777.684	-3.5	5428	776.739	-4.0
5289	777.822	-4.5	5432	777.026	-3.0
5290	778.573	-2.0	5433	777.431	-1.5
5291	779.337	-2.3	5434	778.156	-2.0
5292	780.238	-2.0	5435	778.375	-3.0
5293	781.233	-3.5	5436	778.475	-3.0
5294	781.497	-1.0	5439	776.998	-1.5
5295	779.591	-2.0	5440	777.138	-2.0
5296	778.892	-3.0	5441	777.761	-3.5
5297	778.716	-1.0	5442	778.519	-2.5
5298	778.105	-4.0	5443	779.3	-0.8
5299	777.786	-5.0	5444	779.295	-0.2
5300	776.949	-2.5	5445	779.164	-0.4
5301	776.679	-2.5	5446	779.258	-1.1
5305	776.949	-2.0	5447	778.705	-1.7
5306	777.983	-2.5	5448	778.359	-0.3
5307	777.334	-1.8	5449	777.889	-0.6
5308	777.822	-1.3	5450	777.199	-1.5
5309	778.781	-0.3	5451	776.637	-1.0
5310	778.537	-4.0	5452	777.136	-2.0
5311	779.81	-2.5	5467	777.938	-3.5
5312	781.472	-1.5	5469	777.926	-1.0
5313	781.805	-2.5	5470	779.528	-0.2
5314	780.337	-1.5	5471	778.905	-1.0
5315	780.379	-1.1	5472	782.292	-1.5
5316	779.32	-3.0	5473	782.155	-2.0
5317	778.761	-0.5	5474	782.874	-1.5
5318	778.239	-1.0	5475	782.291	-1.0
5319	777.552	-2.5	5476	782.485	-0.6
5320	777.195	-1.5	5477	782.258	-1.1
5321	777.07	-2.5	5478	782.301	-3.0
5322	776.138	-2.0	5479	782.451	-2.0
5325	782.709	-1.5	5480	782.877	-1.0
5326	780.72	-3.5	5481	781.837	-0.3
5327	780.32	-3.5	5482	779.724	-1.2
5328	779.399	-3.0	5483	778.629	-0.8
5329	778.849	-0.5	5484	779.161	-0.5
5330	776.894	-2.5	5485	779.035	-0.6
5331	776.47	-1.0	5502	779.05	-0.4
5332	775.783	-2.5	5503	778.274	-1.0
5333	775.587	-1.5			

NOTES:

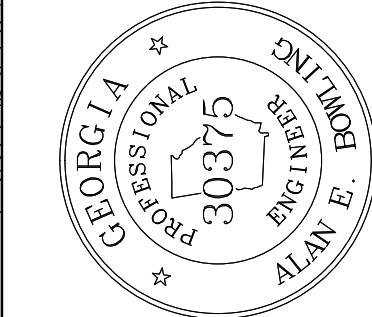
1. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE R8 GNSS GPS RECEIVER WITH A TRIMBLE TSC3 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY EGPS.
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4. CONTOUR INTERVALS EQUAL ONE FOOT.

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**CH2MHILL**  
CIVIL  
EXISTING CONDITIONS  
LAKE DREDGING PROJECT  
AREA 7  
(3 OF 3)

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
DATE	DECEMBER 2014
PROJ	481967
DWG	C-04
SHEET	7 of 27

1		02 JAN 15		QAVOC AND PERMITTING		KH		AEB	
NO.		DATE		REVISION		BY		APVD	
DSGN		DR		CHK		APVD		A. BOWLING	
K. HAMBLEN		J. MILLER		J. RAMOS					







A

B

C

D

MATCHLINE SHEET CG-01

MATCHLINE SHEET CG-03

CONTRACTOR TO MAINTAIN EXISTING INFLOW CHANNELS THROUGHOUT PROJECT. INFLOW CHANNEL CROSSINGS ARE PERMITTED BY USACE NATIONWIDE PERMIT NO. 33. COORDINATE ALL CROSSINGS WITH ENGINEER ONSITE. CONTRACTOR TO MAINTAIN A MINIMUM BUFFER ADJACENT TO INFLOW CHANNELS TO ENSURE (1) NO UNPERMITTED DISTURBANCE WITHIN CHANNEL, AND (2) TO MAINTAIN CHANNEL STABILITY WHEN DREDGING/EXCAVATING.

TO AREAS 1, 2, 3

AREA 4

AREA 4

AREA 5

APPROXIMATE  
EDGE OF WATER  
(EL. 777.0)

APPROXIMATE  
EDGE OF WATER

LIMIT OF DISTURBANCE

EDGE OF WATER  
AT NORMAL POOL

EDGE OF WATER  
AT NORMAL POOL

TOP OF SLOPE TO BE A MINIMUM  
DISTANCE AWAY FROM INFLOW  
CHANNELS TO ENSURE THE SLOPES  
ARE STABLE THROUGHOUT  
CONSTRUCTION.

LIMIT OF DISTURBANCE

PINEHURST  
BOAT RAMP

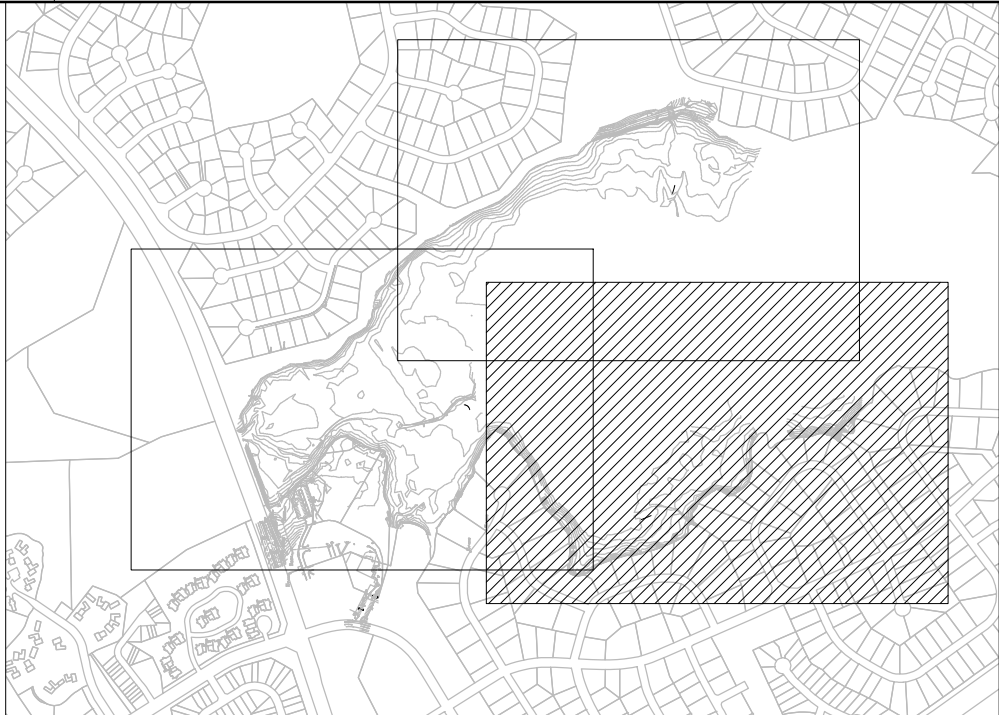
HILLTOP DRIVE

LOVELLY CIRCLE

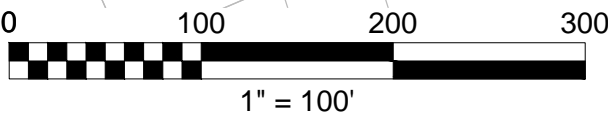
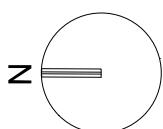
CEDAR POINT

- ENGINEERED DIRECTED WORK
- ESTIMATED 2,000 C.Y. ABOVE WATER LINE
  - ESTIMATE 1,500 C.Y. BELOW WATER LINE

- NOTE:
- CONTRACTOR TO COORDINATE WITH ENGINEER FOR EXTENT AND LOCATION OF EXCAVATION.
  - EXCAVATION OF SEDIMENT IN AREA 5 TO BE DIRECTED BY ENGINEER UNDER SEPARATE BID ITEMS.



KEYMAP

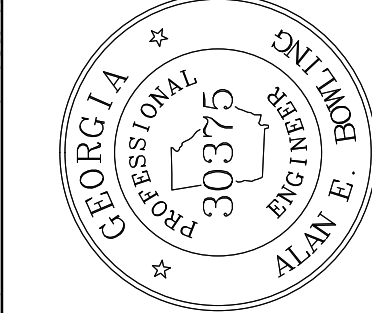


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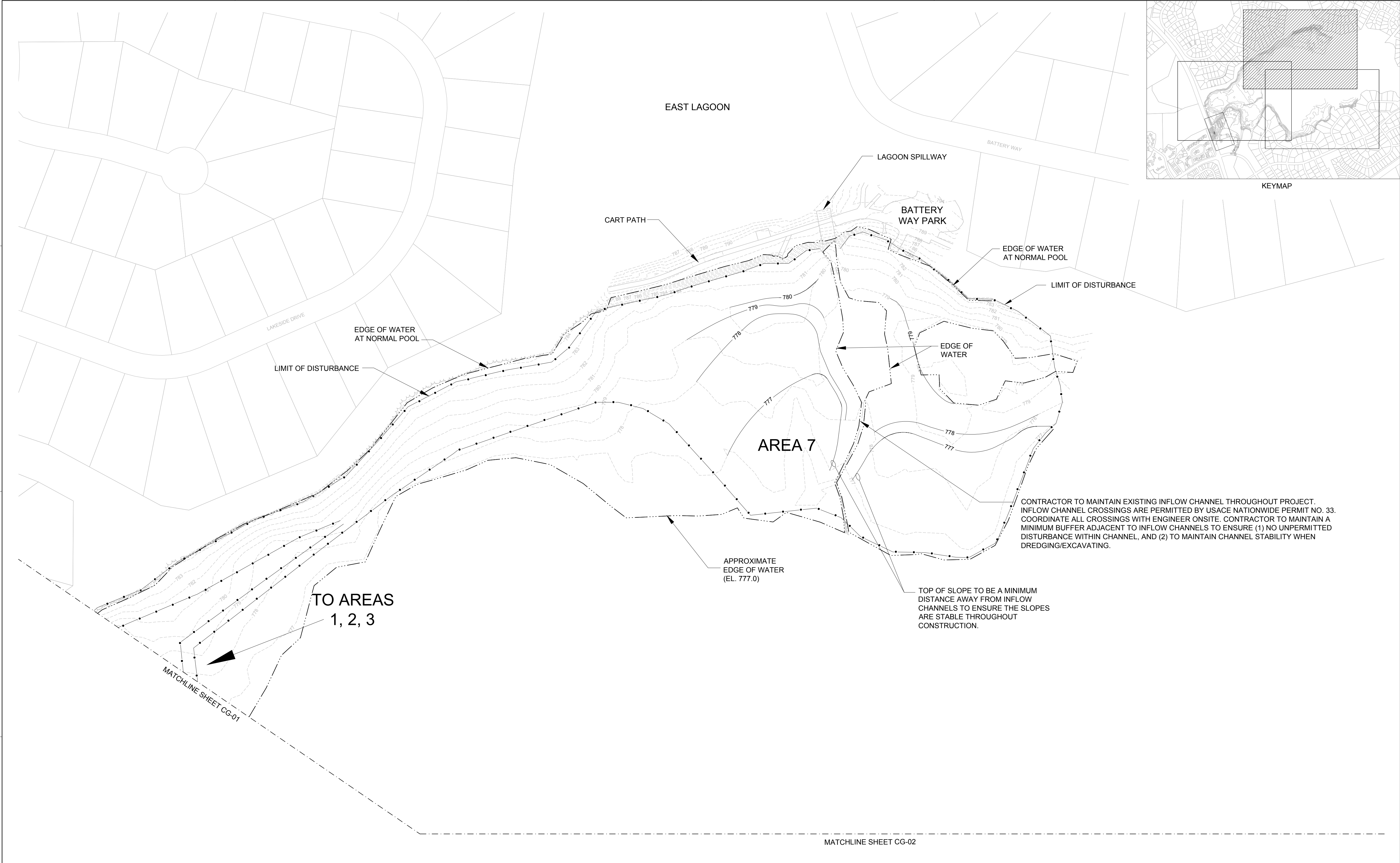
CIVIL  
SITE GRADING  
AREAS 4 & 5  
(2 OF 4)

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA



NO.	DATE	DSGN	DR	CHK	APVD
1	02 JAN 15			J. MILLER	J. RAMOS
QAVOC AND PERMITTING				BY	APVD
KH				BY	APVD
					A. BOWLING

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
DATE	DECEMBER 2014
PROJ	481967
DWG	CG-02
SHEET	9 of 27



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CIVIL

SITE GRADING  
AREA 7  
(3 OF 4)

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

102 JAN 15  
NO. DATE

QAVOC AND PERMITTING  
REVISION

1 02 JAN 15  
NO. DATE

QAVOC AND PERMITTING  
REVISION

DR

CHK

APVD

DR

CHK

APVD

J. HAMBLEN

J. MILLER

J. RAMOS

A. BOWLING

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SITE GRADING  
AREA 7  
(3 OF 4)

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

102 JAN 15  
NO. DATE

QAVOC AND PERMITTING  
REVISION

1 02 JAN 15  
NO. DATE

QAVOC AND PERMITTING  
REVISION

DR

CHK

APVD

DR

CHK

APVD

J. HAMBLEN

J. MILLER

J. RAMOS

A. BOWLING

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

0 100 200 300  
1" = 100'

811

Know what's below.  
Call before you dig.

DATE DECEMBER 2014  
PROJ 481967  
DWG CG-03  
SHEET 10 of 27

FILENAME: 07\_10\_000-CG-01\_481967.dwg PLOT DATE: Jan 01, 2015 PLOT TIME: 2:08pm

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BID DOCUMENTS





## D

## PROJECT INFORMATION

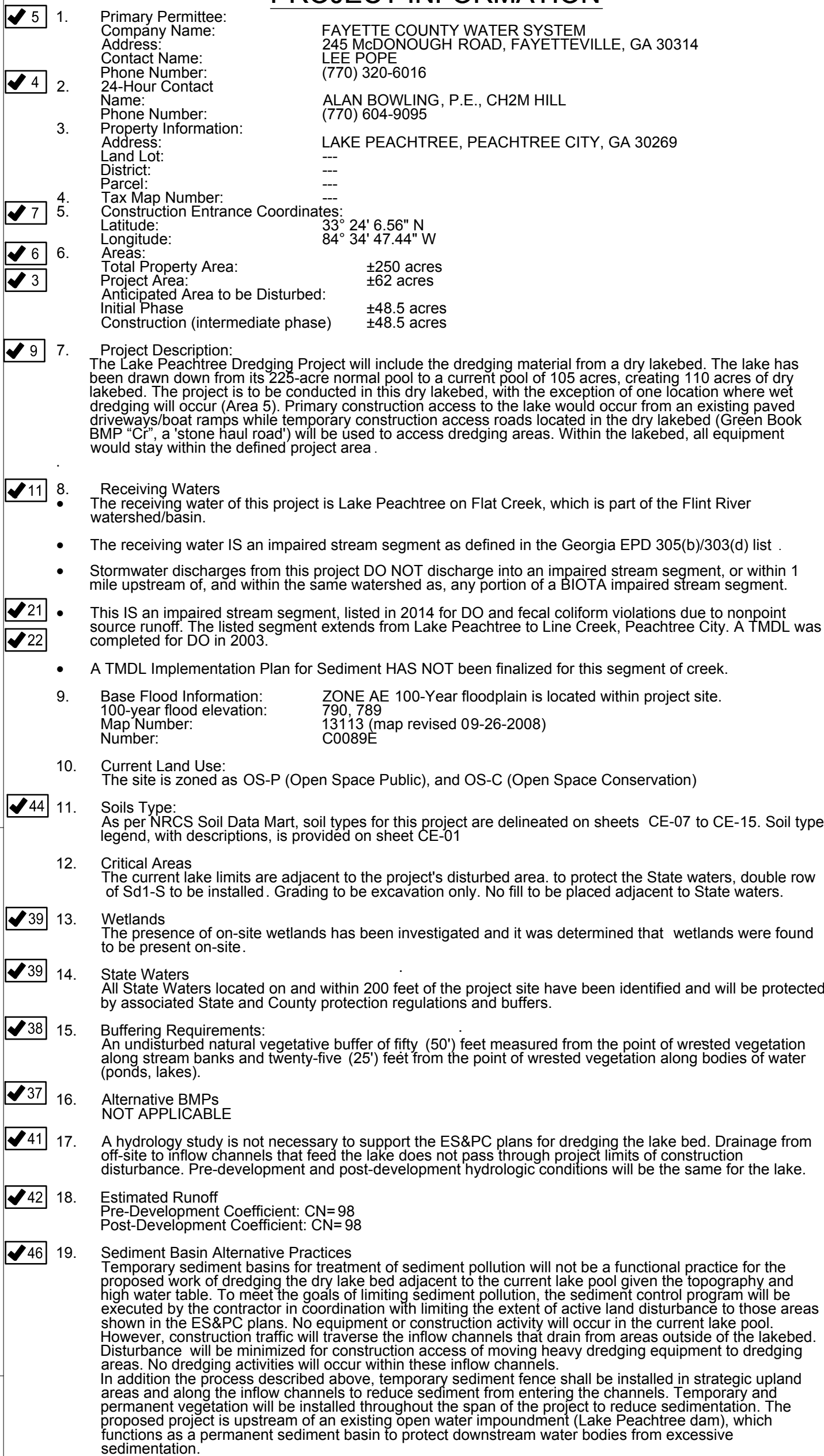
DESIGN PROFESSIONAL

- PRIMARY PERMITTEE

- ## 27 ANTICIPATED CONSTRUCTION SCHEDULE

START: FEB 2015  
COMPLETION: JUNE 2015

☒ 10 ☒ 33 VICINITY MAP and MONITORING SITE LOCATIONS



## REQUIRED NOTES

- ✓15 1. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM 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 WHEN 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 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 PRACTICES IS NOT PROVIDED 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.

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			

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

 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



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FILENAME:22-24 005-C-ES-01 481967.DWG PLOT DATE: Jan 01, 2015

PLOT TIME: 3:19pm



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EROSION CONTROL  
EROSION AND SEDIMENTATION  
CONTROL NOTES  
(1 OF 4)

AS NOTED  
VERIFY SCALE  
R IS ONE INCH ON  
ORIGINAL DRAWING.  
1"  
DECEMBER 2014  
481967  
CE-01  
13 of 27



1

2

3

4

5

6

EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

General

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM WITH THE GUIDELINES OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL", LATEST EDITION.

2. PRIMARY PERMITTEE MUST SUBMIT NPDES NOTICE OF INTENT (NOI) AT LEAST 14 DAYS PRIOR TO BEGINNING OF LAND DISTURBANCE ACTIVITIES.

3. EROSION CONTROL MEASURES AND TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

4. THE PRIMARY PERMITTEE AND TERTIARY PERMITTEE(S) MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPPC), EXCEPT WHEN THE PERMITTEE HAS REQUESTED IN WRITING AND AGED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PERMITTEE WITHIN SEVEN (7) DAYS AND THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

5. EROSION AND SEDIMENT CONTROL WILL BE PERFORMED IN ACCORDANCE WITH THE BMPS SHOWN IN THESE PLANS. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY FIELD INSPECTOR.

6. LAND DISTURBING WILL BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOIL TO EROSIIVE ELEMENTS.

7. CONTRACTOR SHALL INSTALL AND ADD TO EROSION CONTROL MEASURES AS DETERMINED BY THE PROJECT ENGINEER OR THE OWNER.

9. PRIMARY PERMITTEE RESPONSIBLE TO PROVIDE A DAILY INSPECTION LOG FOR THE BMP INSPECTIONS. LOG TO BE KEPT ONSITE.

10. THE LOCATION OF SOME EROSION AND SEDIMENT CONTROL MEASURES MAY HAVE TO BE ALTERED FROM THOSE SHOWN ON THE APPROVED PLANS OR DRAINAGE PATTERNS DURING CONSTRUCTION DUE TO THE ONES SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH SEDIMENT CONTROL FOR ALL DRAINAGE PATTERNS CREATED DURING VARIOUS STAGES OF CONSTRUCTION, ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE IMMEDIATELY REPORTED TO THE DESIGN PROFESSIONAL.

11. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE INLET TRAPS, DISPOSED OF, AND STABILIZED IN SUCH A WAY THAT IT WILL NOT ENTER THE

12. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

13. CONSTRUCTION ROAD SHALL BE TOP DRESSED WITH ADDITIONAL GRAVEL PERIODICALLY TO MAINTAIN GRAVEL DEPTH OF 6 INCHES.

POLLUTION CONTROL

1. OFF-SITE VEHICLE TRACKING DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE FOLLOWING BMPS SHALL BE IMPLEMENTED AS APPROPRIATE: CONSTRUCTION EXIT (CO), MULCH (DS1), VEGETATIVE COVER (DS2 / DS3), SPRAY-ON ADHESIVES (TAC), TOPSOILING (TP) AND/OR CONSTRUCTION ROAD STABILIZATION (CR).

2. CONTRACTOR SHALL SELECT A DESIGNATED WASTE COLLECTION AREA AND PROVIDE LIDS FOR WASTE CONTAINMENT. SOLID WASTE SHALL BE REMOVED AND DISPOSED OFFSITE AT A REGULAR SCHEDULE.

3. ALL WASTEWATER AND FROM CONSTRUCTION ACTIVITIES AND OR CLEANING OPERATIONS SHALL NOT BE DISCHARGED ON THE GROUND OR STORMWATER SYSTEM.

4. OFF-SITE VEHICLE TRACKING OF SEDIMENT :

4.A. A STABILIZED STONE PAD WILL BE LOCATED AT THE CONSTRUCTION ENTRANCE TO REDUCE TRANSPORT OF MUD FROM THE CONSTRUCTION SITE.

4.B. THE STONE PAD WILL BE PERIODICALLY DRESSED. MUD AND DEBRIS TRACKED OR SPILLED ONTO ROADWAYS WILL BE REMOVED IMMEDIATELY.

4.C. CONTRACTOR WILL CONTROL SURFACE AND AIR MOVEMENT OF DUST BY SPRAYING WATER ONTO DISTURBED SOIL.

5. CONCRETE WASH-DOWN AREA(S) WILL BE PROVIDED FOR CONTRACTOR TO WASH TOOLS, MIXERS, AND HOPPERS.

5.B. CONCRETE WILL NOT BE ALLOWED TO BE DUMPED ONSITE.

5.C. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

5.D. SEE DETAIL WD.

VEGETATIVE

1. DURING THE LANDSCAPE INSTALLATION PHASE OF THE PROJECT, THINNING IS ALLOWED AND MAY INCLUDE MANUAL REMOVAL OF NON-SPECIMEN TREES WITHIN THE CRITICAL ROOT ZONE OR DRIPLINE OF THE SPECIMEN TREE. THINNING INCLUDES MANUAL REMOVAL (NO MOTORIZED VEHICLES ALLOWED WITHIN THE CRITICAL ROOT ZONE OF THE SPECIMEN TREE).

2. NON-VEGETATIVE MATERIAL TO BE REMOVED MANUALLY.

3. A COMMERCIAL APPLICATOR LICENSE AND A PESTICIDE CONTRACTOR LICENSE ARE REQUIRED BY THE CONTRACTOR IF THE USE OF HERBICIDES ARE NECESSARY FOR THE REMOVAL OF NOXIOUS PLANT MATERIAL.

4. TEMPORARY AND PERMANENT SEEDING AND PLANTING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. ALL THE PERMANENT SEEDED GRASS COVER AREAS SHALL BE REWORKED AND RESEEDED IF 75% GRASS COVER IS NOT ACHIEVED WITHIN 14 DAYS.

5. ALL AREAS WHICH HAVE BEEN DISTURBED SHALL BE PERMANENTLY SEEDED BY THE COMPLETION OF CONSTRUCTION. THE SEEDED MIX MUST PROVIDE BOTH LONG TERM AND RAPID GROWTH SEASONAL VEGETATION.

PHASE I – INITIAL PHASE: SITE PREPARATION AND PRE-CONSTRUCTION OPERATIONS

INSTALL / CONSTRUCT ALL BMPS AS PROVIDED ON SHEETS CE-06 to CE-08

1. PRIOR TO LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

2. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

3. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

4. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURNING AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

5. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

6. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, LIMITS OF LAND DISTURBANCE SHALL CLEARLY AND ACCURATELY BE DEMARCATED WITH STAKES, RIBBONS OR OTHER APPROPRIATE MEANS, AND SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.

7. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

8. THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

8.1. THE CONSTRUCTION EXIT SHALL BE PLACED AS SHOWN ON THE PLANS.

8.2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXIT, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

8.3. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.

9. WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORSEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE PROJECT PROFESSIONAL DURING THE SITE INSPECTION.

10. AFTER APPROVAL OF INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES, AS CLEARING PERMITS. THE CONTRACTOR SHALL CONSTRUCT SEDIMENT PONDS AS SHOWN ON PLANS. THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

12. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE.

13. ALL SILT FENCES MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

14. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

15. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

16. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

17. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING.

18. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED PLANS.

PHASE II - INTERMEDIATE PHASE: CONSTRUCTION ACTIVITIES

INSTALL / CONSTRUCT ALL BMPS AS PROVIDED ON SHEETS CE-09 to CE-11.

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

2. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

3. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION, AND ALTER THE LOCATION OF EROSION CONTROL DEVICES ACCORDINGLY. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

4. THE CONTRACTOR SHALL ESTABLISH BARRIERS AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 2:1.

5. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.

6. ALL DRAINAGE SWALES AND GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

7. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE POND WHEN IT REACHES ONE THIRD OF THE DEPT OF THE BASIN.

8. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

9. SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

10. THE CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

11. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

12. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

13. MAINTENANCE OF ALL EROSION AND SEDIMENTATION MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL AT ALL TIMES BE THE RESPONSIBILITY OF THE CONTRACTOR.

PHASE III - FINAL PHASE: CONSTRUCTION COMPLETION AND FINAL STABILIZATION

INSTALL / CONSTRUCT ALL BMPS AS PROVIDED ON SHEETS CE-12 to CE-14 & SUBMIT NOTICE OF TERMINATION.

1. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED.

2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

3. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

4. UPON COMPLETION OF THE PROJECT AND RECEIPT OF THE CERTIFICATE OF COMPLETION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED OTHERWISE ON PLANS.

5. PERMANENT VEGETATION SHALL BE INSTALLED AT THE END OF THE CONSTRUCTION PHASE, AFTER FINAL GRADES HAVE BEEN ESTABLISHED.

6. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND PROPERLY DISPOSE OF THEM, UNLESS NOTED ON THE PLANS. SILT FENCE WILL REMAIN ONSITE UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. PERMANENT PLANTINGS SHALL BE APPLIED TO THE ENTIRE SITE FOR ALL REMAINING AREAS.

7. ALL CONSTRUCTION EXIT MATERIAL SHALL BE NEATLY REMOVED AND DISTURBED AREAS RE-VEGETATED TO MATCH PRE-CONSTRUCTION CONDITIONS, OR BETTER.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SEEDED AREAS UNTIL VEGETATIVE COVER IS ESTABLISHED. SHOULD ANY SEEDED AREA FAIL TO GERMINATE OR WASHING OF ANY AREAS OCCUR (REQUIRING RE-ESTABLISHMENT OF SEEDING), THE CONTRACTOR SHALL REPLACE ANY LOST SOIL MATERIAL AND RE-SEED AND RE-MULCH WITHIN 48 HOURS OF NOTIFICATION OF SUCH FAILURES AT THE CONTRACTOR'S OWN EXPENSE.

9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES UNTIL PERMANENT STABILIZATION OF THE SITE IS ACHIEVED. IF IMPLEMENTATION OF THE PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED AS DIRECTED BY THE PROJECT ENGINEER TO CONTROL OR ELIMINATE THE SEDIMENT SOURCE.

POLLUTION CONTROL

1. THE MOST EFFICIENT METHOD OF DUST CONTROL FOR THE SITE SHALL BE DETERMINED EXPERIMENTALLY AND MAY CONSIST OF TEMPORARY MEASURES SUCH AS MULCHES, VEGETATIVE COVER, SPRAY-ON ADHESIVES, TILLAGE, IRRIGATION, BARRIERS AND/OR THE APPLICATION OF CALCIUM CHLORIDE.

2. LIKEWISE, IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT PAD DOES NOT SUFFICIENTLY REMOVE THE MUD FROM VEHICLE TIRES, THE TIRES SHOULD BE WASHED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.

2.A. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND PROVISIONS THAT INTERCEPT THE SEDIMENT-LADEN RUNOFF AND DIRECT IT INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

3. WASHOUT OF THE DRUM OF A CONCRETE TRUCK AT THE CONSTRUCTION SITE IS PROHIBITED.

4. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES WILL ONLY BE ALLOWED IN A DESIGNATED AREA PROVIDED FOR THIS PURPOSE, AS SHOWN ON THE DRAWINGS.

4.A. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE FOLLOWED:

4.A.1. CONTAIN ALL WASH WATER OR SOIL, IN A BOWL SHAPED AREA CREATED IN THE DESIGNATED WASH AREA TO PREVENT THE WASH WATER FROM FLOWING FROM THE WASHOUT AREA;

4.A.2. USE THE MINIMUM AMOUNT OF WATER TO WASH DOWN THE TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES;

4.A.3. REMOVE ANY CONCRETE SEDIMENT FROM THE AREA SURROUNDING THE WASHOUT AREA BEFORE IT HARDENS; AND

4.A.4. REMOVE ALL CONCRETE RESIDUE FROM THE DESIGNATED AREA ONCE IT HAS HARDENED.

STORMWATER DISCHARGE POLLUTANT REDUCTION

1. ALL POLLUTANTS FROM WASTE DISPOSAL PRACTICES, SOIL ADDITIVES, REMEDIATION OF SPILLS AND LEAKS OF PETROLEUM PRODUCTS, CONCRETE TRUCK WASHOUT, ETC., SHOULD ANY OF THESE OCCUR, WILL BE CONTROLLED BY THE IMPLEMENTATION OF APPROPRIATE BEST MANAGEMENT PRACTICES.

2. THE SITE WILL BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

3. PRODUCT SPECIFIC PRACTICES:

3.A. PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORMWATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

3.B. PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCTS WILL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

3.C. CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

3.D. FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

3.E. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

STORMWATER MANAGEMENT

THE FOLLOWING IS A DESCRIPTION OF MEASURES THAT MAY BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

1. STORMWATER RETENTION / DETENTION STRUCTURES

2. FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS

3. INFILTRATION OF RUNOFF ON-SITE

4. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL, FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED [E.G. NO SIGNIFICANT CHANGES IN THE HYDROLOGICAL REGIME OF THE RECEIVING WATER(S)].

5. SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES)

• STRUCTURAL MEASURES SHOULD BE PLACED ON UPLAND SOILS TO THE DEGREE ATTAINABLE

• THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CWA

• THE ESPPC ONLY ADDRESSES THE INSTALLATION OF STORMWATER MANAGEMENT MEASURES, AND NOT THE ULTIMATE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION

• OPERATORS ARE ONLY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT MEASURES

PRIOR TO FINAL STABILIZATION OF THE SITE, AND ARE NOT RESPONSIBLE FOR MAINTENANCE AFTER STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY HAVE BEEN ELIMINATED FROM THE SITE.

SPILL CLEANUP AND CONTROL PRACTICES

1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY.

4. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.

4.A. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

4.B. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

4.C. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

4.D. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

5. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 680 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

HAZARDOUS WASTES

1. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.

2. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES.

3. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS.

4. AN MSDS WILL BE MAINTAINED IN THE ESPPC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE.

5. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

6. THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPPC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS.

7. NO SPILLED HAZARDOUS MATERIAL OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGE. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CLEANED ON SITE WITH APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER.

8. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

1. A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED TO EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

2. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

3. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY AT THE COMPLETION OF THE PROJECT.

SAFETY PROTECTION

1. CONSTRUCTION ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, AND REGULATIONS GOVERNING HEALTH AND SAFETY OF HUMAN BEINGS AND THE ENVIRONMENT.

BMP's FOR PETROLEUM CHEMICAL SPILLS AND LEAKS:

1. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY.

2. CLEANUP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.

3. ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. EMERGENCY CONTACT NUMBERS AND PROCEDURES FOR SPILLS SHALL BE AVAILABLE ON-SITE.

4. DRIP PANS WILL BE AVAILABLE FOR VEHICLES AND EQUIPMENT TO PREVENT OIL AND OTHER PETROLEUM PRODUCTS FROM SPILLING ONTO SOIL OR WATER.

5. SECONDARY CONTAINMENT IS REQUIRED FOR PETROLEUM AND OIL STORAGE TANKS.

6. INVENTORY OF PRODUCTS AND CORRESPONDING MATERIAL SAFETY DATA SHEETS (MSDS) WILL BE KEPT ON THE JOB SITE AT ALL TIMES.

7. NO PRODUCT WASTE OR EXCESS OF ANY KIND WILL BE DUMPED OR DISPOSED TO THE GROUND, INCLUDING BUT NOT LIMITED TO, PAINT, PAINT PRIMER, PAINT STRIPPER, SOLVENTS, ACIDS, BASES, OILS, GREASES, ADHESIVES, GLUES, PASTES, SEALANTS, SOLDER, CAULKING, GROUT, PUTTY, WAXES, SHEET ROCK, INSULATION, ACETATE, COOLANT, CORROSION INHIBITOR, CLEANING COMPOUNDS, HERBICIDES, TERMITICIDES, FUNGICIDES, WEED KILLERS, PESTICIDE, ETC.

8. ALL PETROLEUM STORAGE CONTAINERS SHALL BE COVERED WITH PLASTIC SHEETING OR BE LOCATED UNDER A TEMPORARY ROOF.

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  
(3 OF 4)

AS NOTED

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE: DECEMBER 2014

PROJ: 481967

DWG: CE-03

SHEET: 15 of 27

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

Know what's below.  
Call before you dig.

811

FILENAME: 22-24\_005-C-ES-01\_481967.DWG PLOT DATE: Jan 01, 2015

PLOT TIME: 3:18pm

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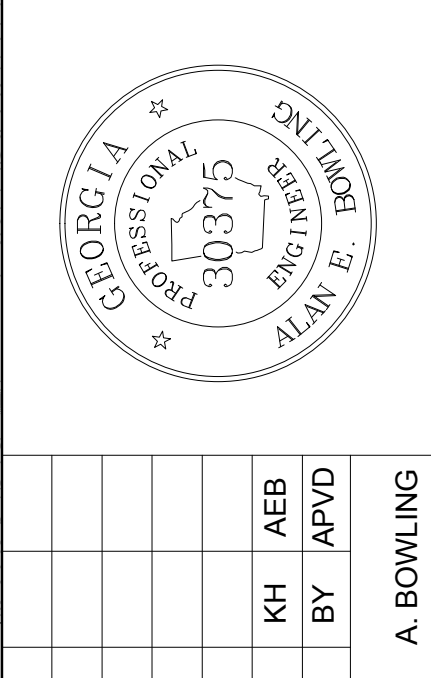
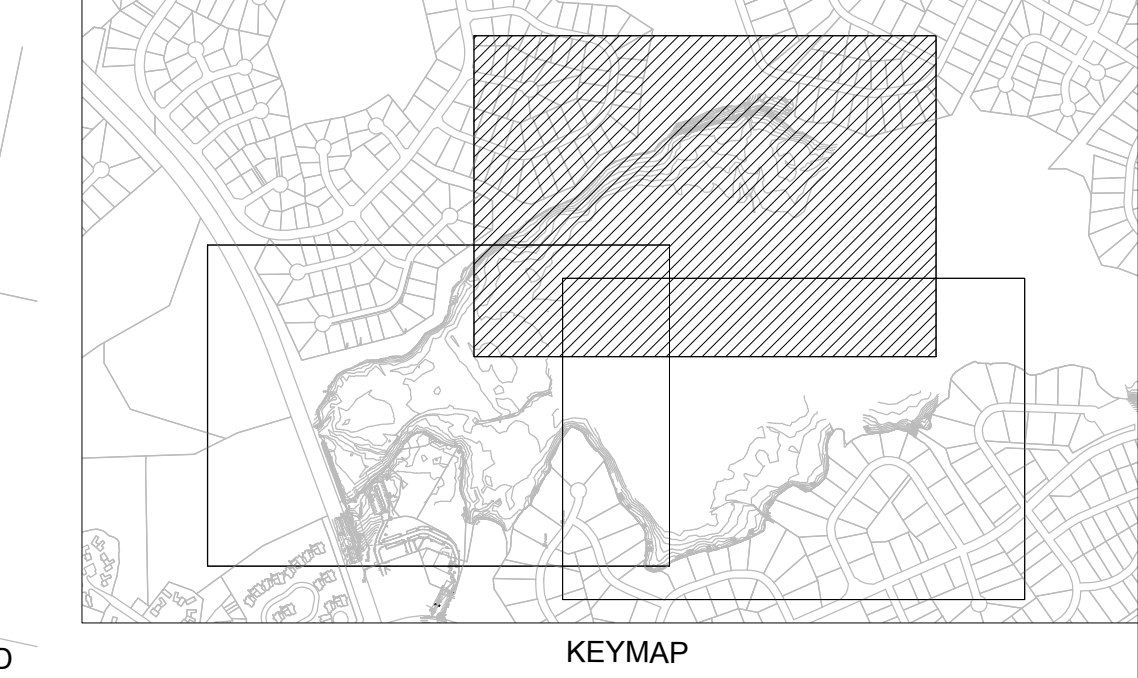
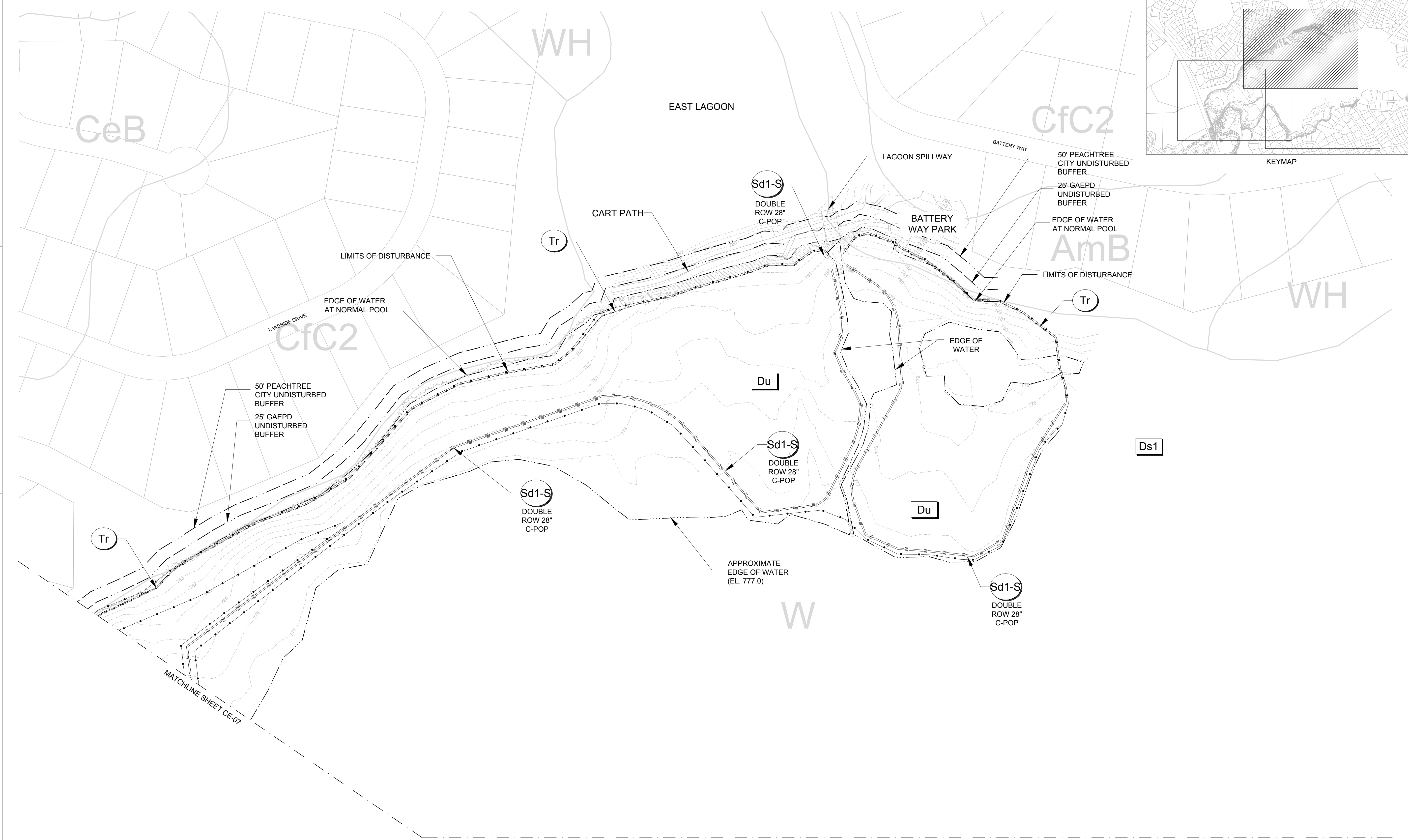












NO.	DATE	DR	CHK	APVD	BY	APVD
1	02 JAN 15	K. HAMBLIN	J. MILLER	J. RAMOS	BY	APVD
QAVOC AND PERMITTING						
REVISION						
KH AEB						

6600 PEACHTREE DUNWOODY ROAD  
400 EMBASSY ROW, SUITE 600  
ATLANTA, GA 30328 PH: 770.804.9085

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

# CH2MHILL

CIVIL

## INITIAL EROSION CONTROL PLAN (3 OF 3)

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	
DATE	DECEMBER 2014
PROJ	481967
DWG	CE-09
SHEET	21 of 27

**GSWCC** 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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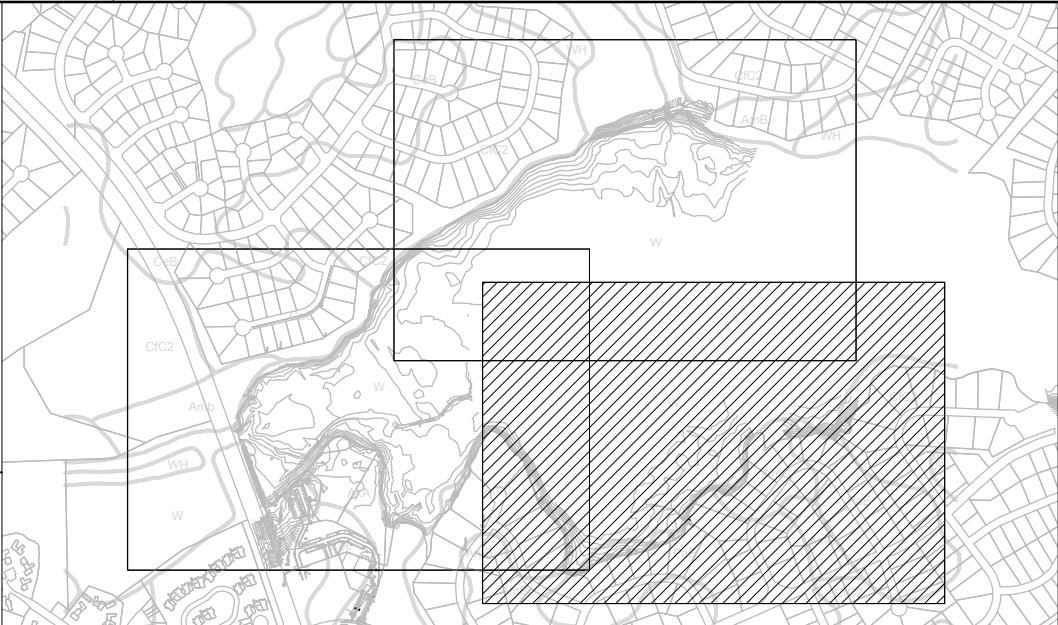
Georgia Soil and Water  
Conservation Commission

Alan E Bowling

Level II Certified Design Professional

Certification Number: 000000432  
Issued: 08/10/2008

Expires: 09/16/2016



KEYMAP



APVD  
BY  
A. BOWLING

APVD  
BY  
J. RAMOS

CHK  
J. MILLER

DR  
K. HAMBLIN

NO. 1

DATE 02 JAN 15

REVISION

QA/QC AND PERMITTING

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

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LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

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 HEP TO BE USED AS APPROPRIATE. CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE.

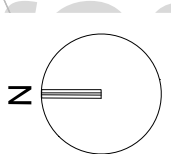
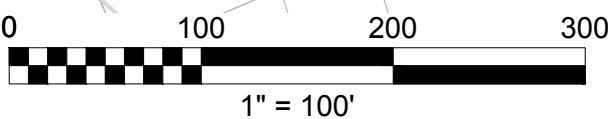
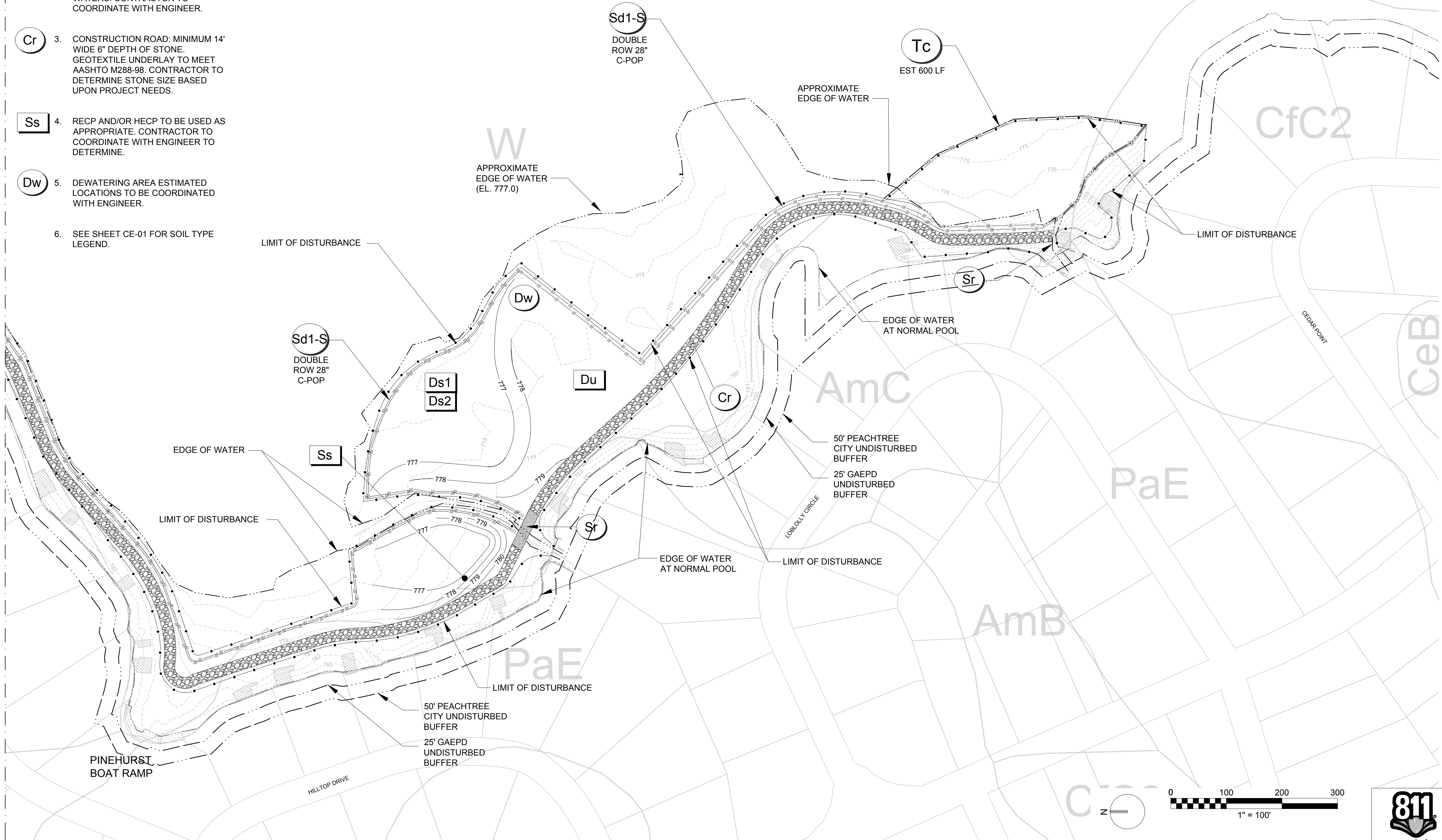
Dw

5. DEWATERING AREA ESTIMATED LOCATIONS TO BE COORDINATED WITH ENGINEER.

6. SEE SHEET CE-01 FOR SOIL TYPE LEGEND.

MATCHLINE SHEET CE-10

MATCHLINE SHEET CE-12



VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING

DATE DECEMBER 2014

PROJ 481967

DWG CE-11

SHEET 23 of 27

FILENAME: 005-CE-10\_481967.dwg

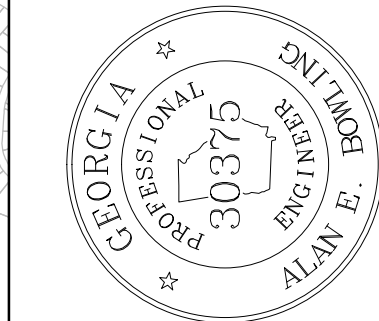
PLOT DATE: Jan 01, 2015

PLOT TIME: 4:55pm

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[illegible]

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LAKE PEACHTREE  
LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

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CIVIL  
FINAL EROSION CONTROL PLAN  
(1 OF 3)

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
0	1"
DATE	DECEMBER 2
PROJ	481
DWG	CE
SHEET	25 of 2

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FILENAME: 005-CE-12 481967.dwg PLOT DATE: Jan 01, 2015 PLOT TIME: 5:07pm

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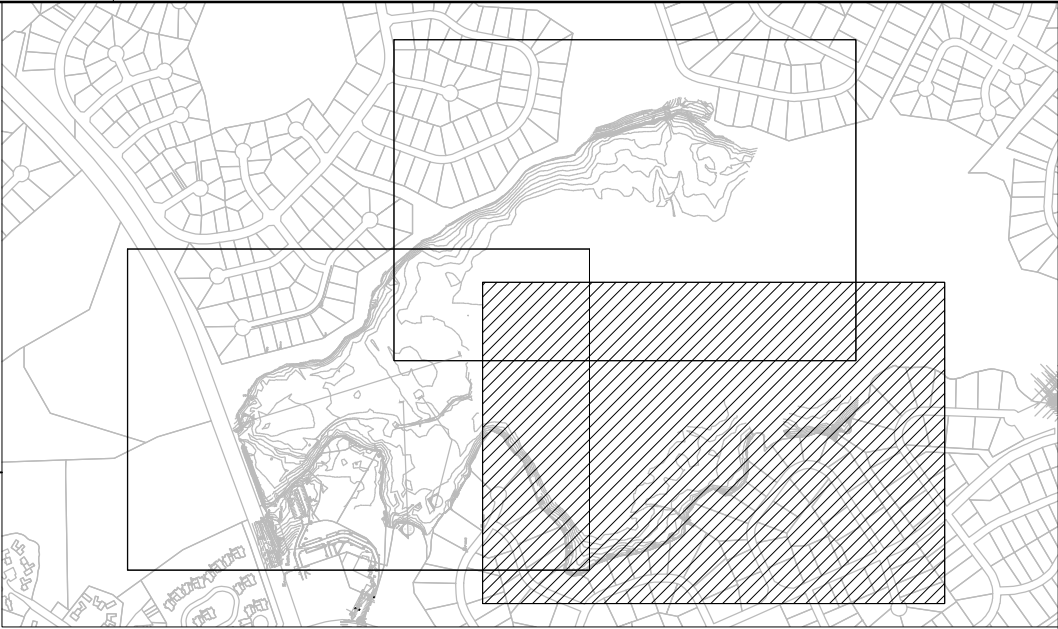
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Georgia Soil and Water  
Conservation Commission

**Alan E Bowling**  
Level II Certified Design Professional

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



KEYMAP

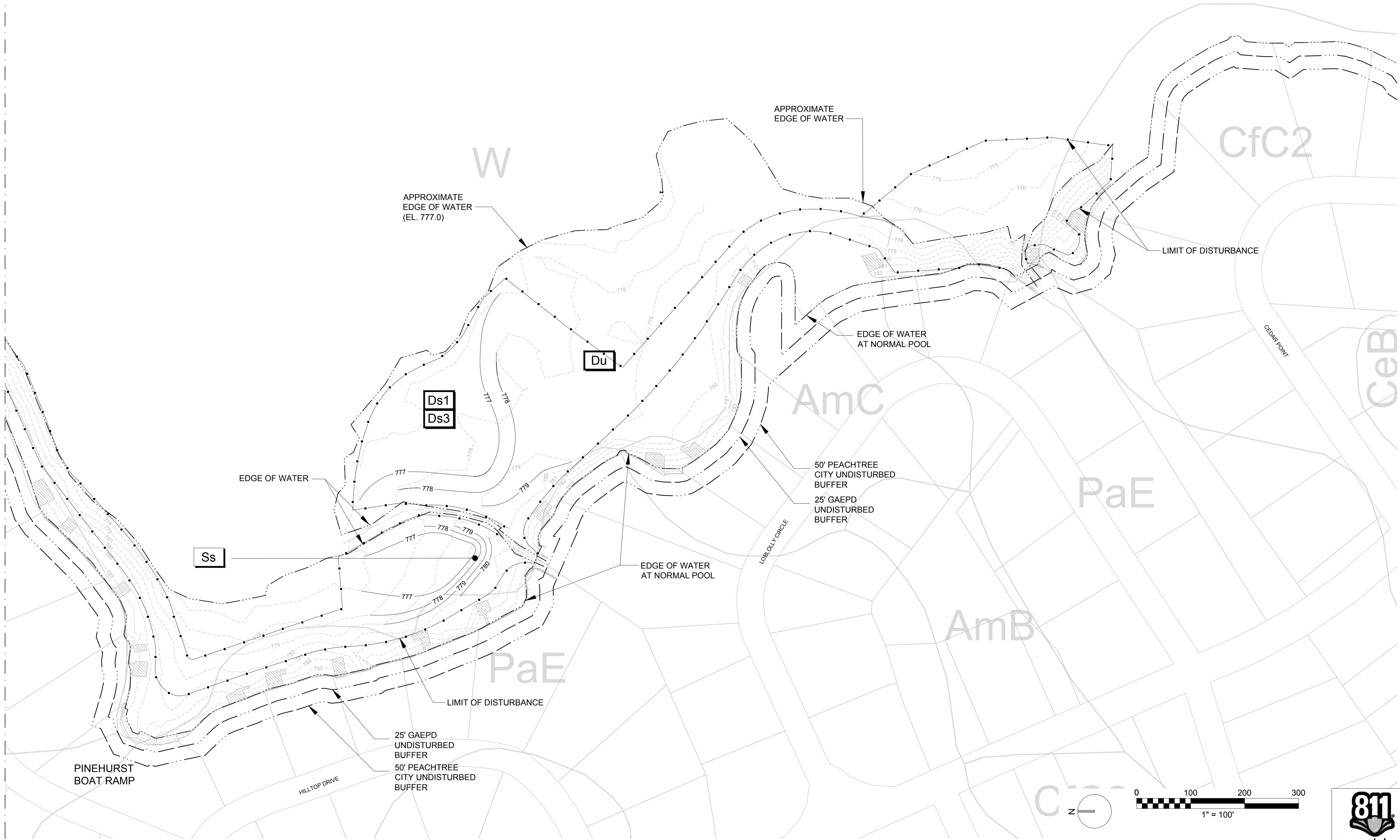
NOTES:

**Ss**

1. RECP AND/OR HECP TO BE USED AS APPROPRIATE. CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE.
2. SEE SHEET CE-01 FOR SOIL TYPE LEGEND.

MATCHLINE SHEET CE-13

MATCHLINE SHEET CE-15



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**FINAL EROSION CONTROL PLAN**  
(2 OF 3)

VERIFY SCALE

BAR IS ONE INCH ON  
ORIGINAL DRAWING 1"

DATE DECEMBER 2014

PROJ 481967

DWG CE-14

SHEET 26 of 27



Know what's below.  
Call before you dig.

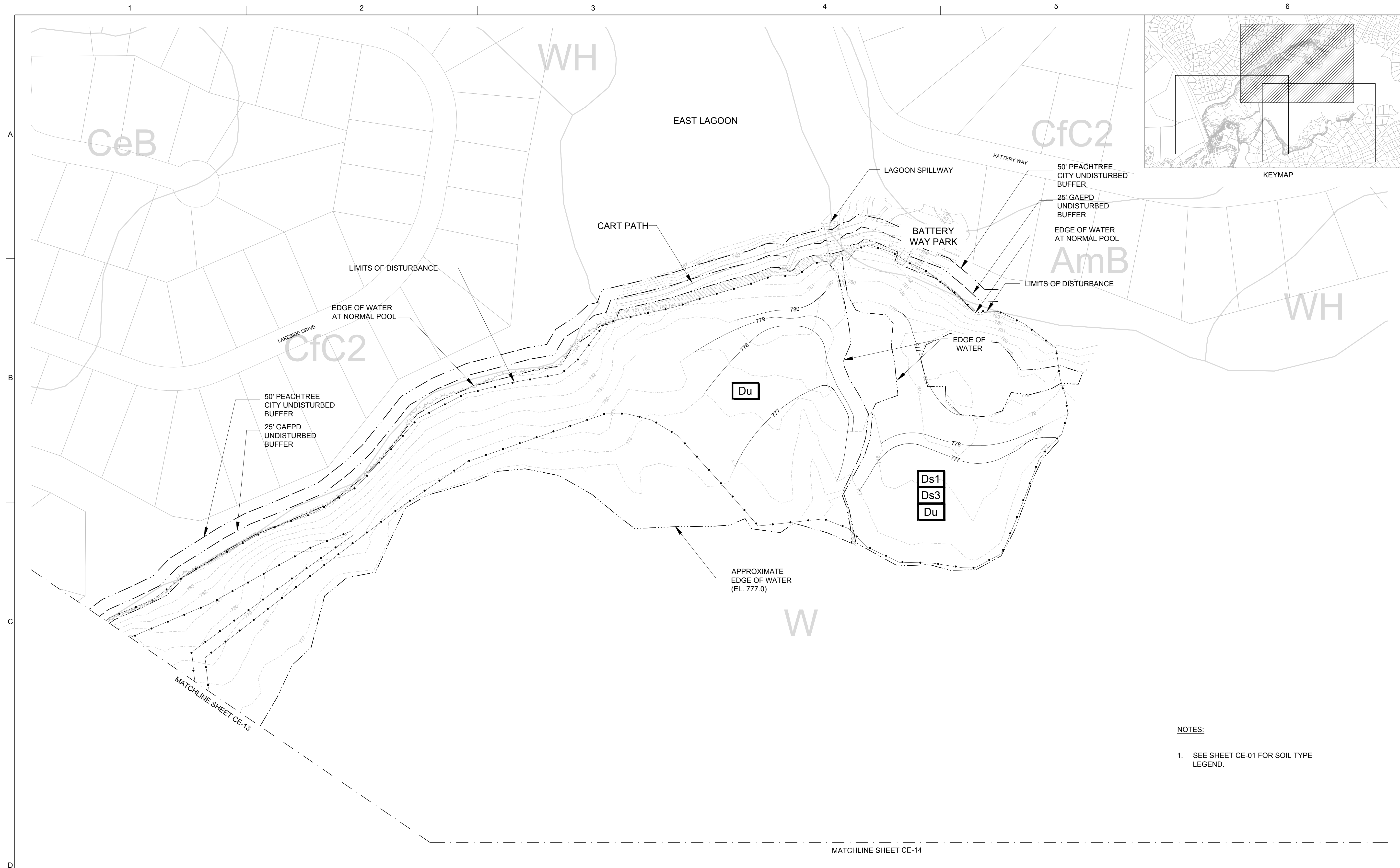
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PLOT DATE: Jan 01, 2015

PLOT TIME: 5:14pm

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1	02 JAN 15	QA/OC AND PERMITTING	KH	AEB	
NO.	DATE	REVISION	BY	APVD	
DSGN	DR	CHK		APVD	
	K. HAMBLEN	J. MILLER	J. RAMOS		A. BOWLING

6600 PEACHTREE DUNWOODY ROAD  
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LAKE DREDGING PROJECT  
FAYETTE COUNTY, GEORGIA

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FINAL EROSION CONTROL PLAN  
(3 OF 3)

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K. HAWDELL	J. WILLEN	G. HAWOOD
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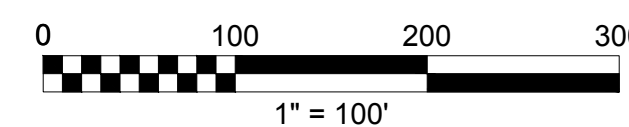
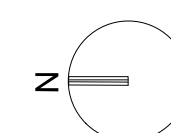
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VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
0	1"
DATE	DECEMBER 2014
PROJ	481967
DWG	CE-15
SHEET	27 of 27

 Georgia Soil and Water  
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FILENAME: 005-CE-14 481967.dwg

PLOT DATE: Jan 01, 2015

PLOT TIME: 5:19pm