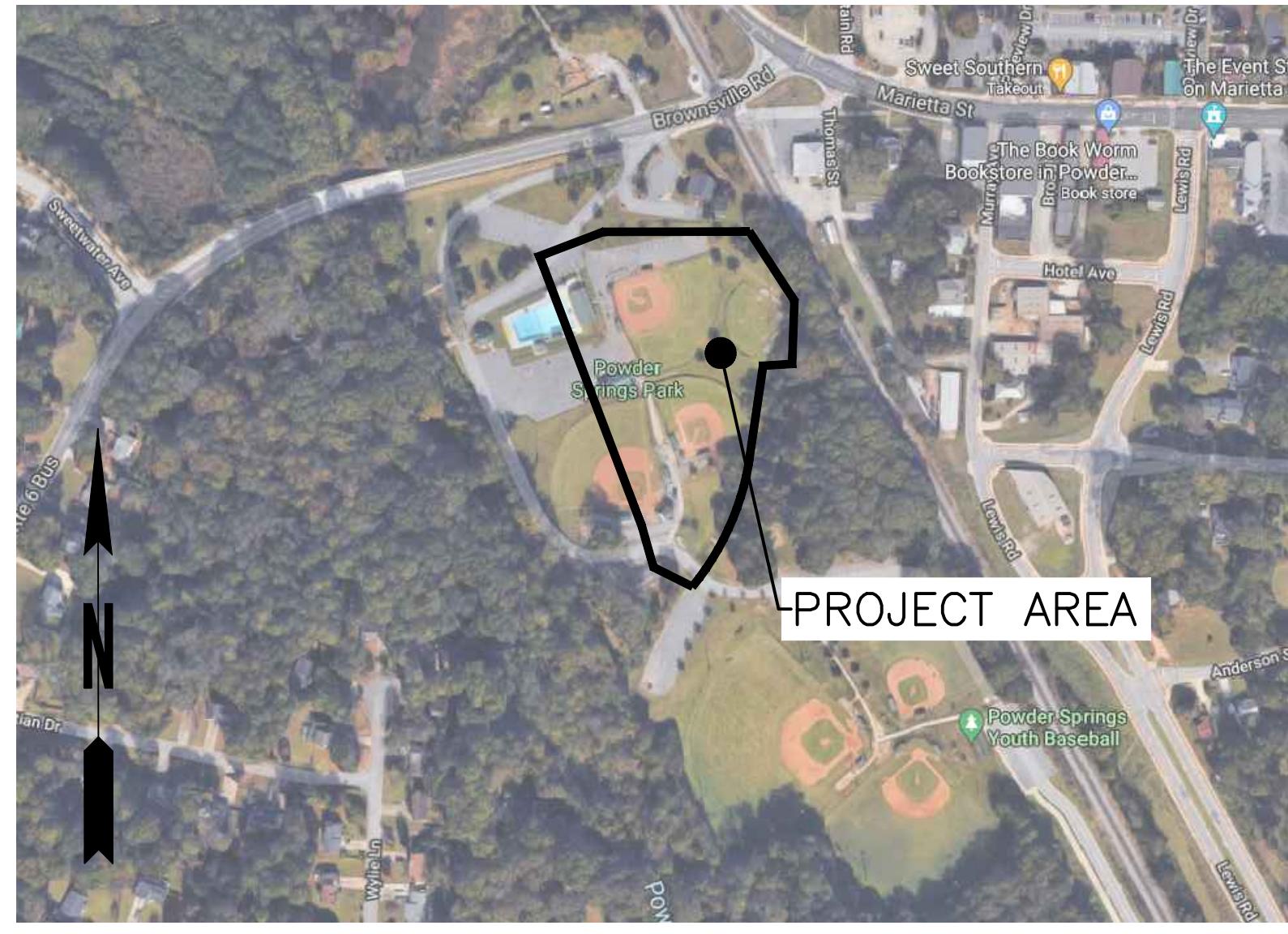
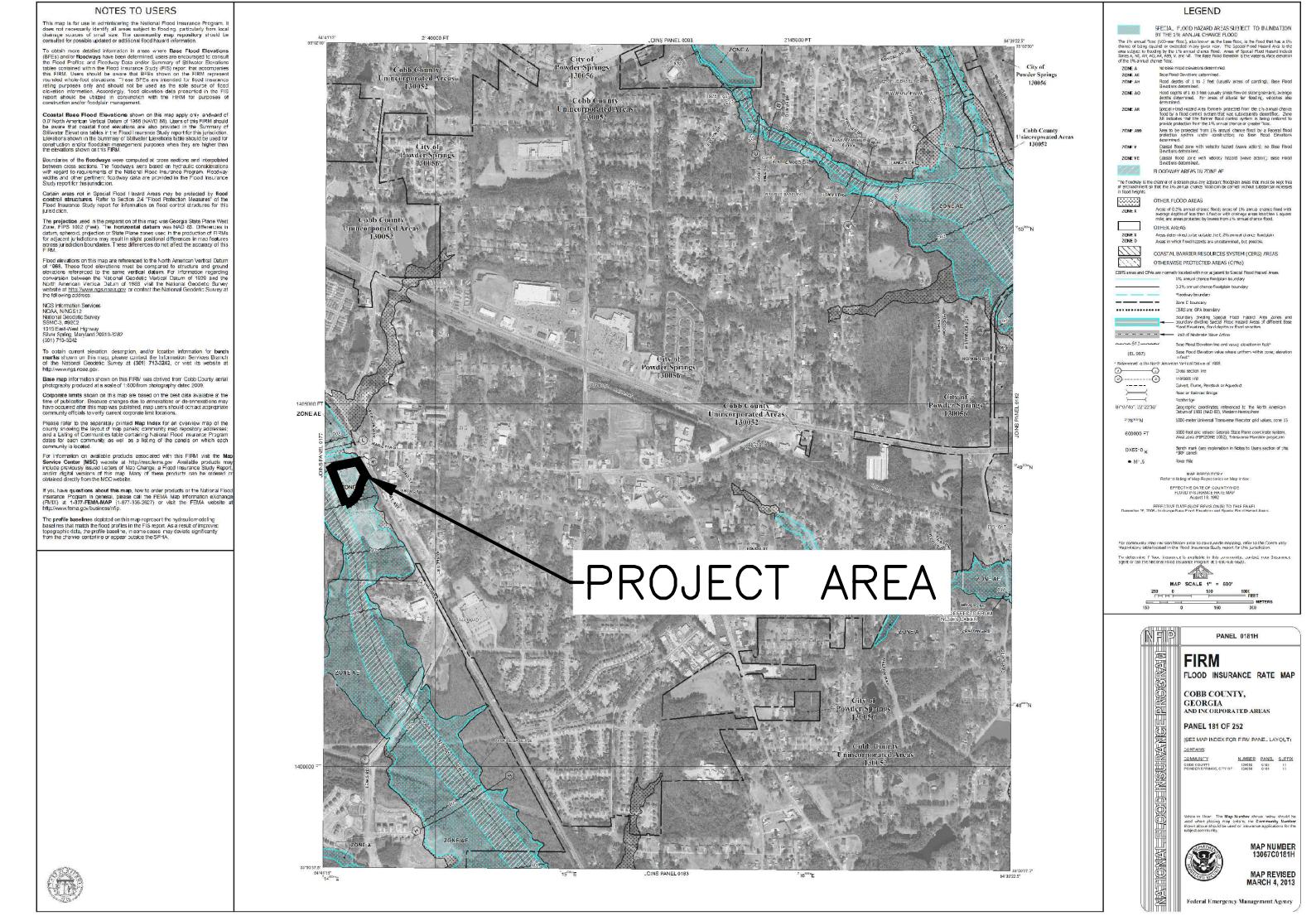


PROJECT INFORMATION																																																																												
 <p><b>LOCATION MAP (NTS)</b></p>  <p><b>FEMA STATEMENT</b></p> <p>THIS PROPERTY IS LOCATED IN A 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13067C0181H AND THE DATE OF SAID MAP IS 03/04/2013.</p> <p><b>APPROVAL REVIEW STAMPS</b></p> <p><b>REQUIRED ENGINEER'S INSPECTION</b></p> <p>AS PER THE GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION, NPDES GENERAL PERMITS FOR CONSTRUCTION ACTIVITY GAR100001, GAR100002, &amp; GAR100003; PART IV, A., 7 REQUIRES THE EROSION CONTROL PLAN DESIGN PROFESSIONAL TO MAKE A SITE INSPECTION, FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THE PERMIT. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITEE HAS REQUESTED IN WRITING AND EPC HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMP'S) WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE. FOR CONSTRUCTION ACTIVITIES WHERE CONSTRUCTION BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THE INSPECTION IS TO OCCUR WITHIN SEVEN (7) DAYS AFTER THE PLAN HAS BEEN IMPLEMENTED. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY 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</p> <p><b>GEORGIA811</b> www.Georgia811.com Contact 811 before you dig.</p> <p>24 HOUR CONTACT: DWAYNE EBERHART TEL: 770-943-8010</p>	<p><b>POWDER SPRINGS PARK - DOG PARK</b></p> <p>ADDRESS: 3899 BROWNSVILLE ROAD POWDER SPRINGS, GA 30127 LAND LOT 901 OF THE 19TH DISTRICT COBB COUNTY, GEORGIA</p> <p>TOTAL AREA: 4.52 ACRES DISTURBED AREA: 1.1 ACRES</p> <p><b>OWNER:</b> NAME: CITY OF POWDER SPRINGS ADDRESS: 4484 MARIETTA STREET POWDER SPRINGS, GA 30127 CONTACT: DWAYNE EBERHART PHONE: 770-943-8010</p> <p><b>city of POWDER SPRINGS</b></p> <p><b>CONSTRUCTION DOCUMENTS</b></p> <p><b>POWDER SPRINGS PARK - DOG PARK</b></p> <p><b>LAND LOT 901</b> OF THE 19TH DISTRICT CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA</p> <p><b>ISSUED FOR CONSTRUCTION</b></p> <p><b>CROY</b></p> <p>200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413 MARIETTA, GA 30062 PHONE: (770) 971-5407 FAX: (770) 971-0620</p> <p>These plans and drawings are not to be reproduced, changed or copied in any manner without first obtaining the express written permission of CROY ENGINEERING, LLC. 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OR ONE OF THE PARTIES WITH WHOM IT HAS CONVENTIONAL AGREEMENTS.</p> <p>Page Scale: 1=40', Drawing Rotation: 0°, Plotter By: User, To Date: 08/29/2025, Drawing Date: 08/29/2025, Drawing ID: 414.PM</p> <p><b>Sheet Index</b></p> <table border="1"> <thead> <tr> <th>SHEET</th> <th>DRAWING NAME</th> <th>sheet name</th> <th>PLAN DATE</th> <th>LAST REVISED</th> </tr> </thead> <tbody> <tr><td>1</td><td>C-000</td><td>COVER SHEET</td><td>08/29/2025</td><td></td></tr> <tr><td>2</td><td>C-001</td><td>GENERAL NOTES</td><td>08/29/2025</td><td></td></tr> <tr><td>3</td><td>C-100</td><td>EXISTING CONDITIONS</td><td>08/29/2025</td><td></td></tr> <tr><td>4</td><td>C-200</td><td>SITE &amp; UTILITY PLAN</td><td>08/29/2025</td><td></td></tr> <tr><td>5</td><td>C-201</td><td>DOG PARK PLAN</td><td>08/29/2025</td><td></td></tr> <tr><td>6</td><td>C-300</td><td>GRADING &amp; DRAINAGE PLAN</td><td>08/29/2025</td><td></td></tr> <tr><td>7</td><td>C-600</td><td>CONSTRUCTION DETAILS I</td><td>08/29/2025</td><td></td></tr> <tr><td>8</td><td>C-601</td><td>CONSTRUCTION DETAILS II</td><td>08/29/2025</td><td></td></tr> <tr><td>9</td><td>C-602</td><td>CONSTRUCTION DETAILS III</td><td>08/29/2025</td><td></td></tr> <tr><td>10</td><td>C-603</td><td>CONSTRUCTION DETAILS IV</td><td>08/29/2025</td><td></td></tr> <tr><td>11</td><td>ER-000</td><td>NPDES COVER SHEET</td><td>08/29/2025</td><td></td></tr> <tr><td>12</td><td>ER-001</td><td>NPDES NOTES</td><td>08/29/2025</td><td></td></tr> <tr><td>13</td><td>ER-100</td><td>EROSION CONTROL PLAN</td><td>08/29/2025</td><td></td></tr> <tr><td>14</td><td>ER-500</td><td>EROSION CONTROL DETAILS</td><td>08/29/2025</td><td></td></tr> </tbody> </table> <p><b>Seal</b></p> <p>NO. 031264 PROFESSIONAL 08/29/2025 ENGINEER KELLY KNETZER GSWCC CERT #14353</p> <p><b>Sheet Title</b> COVER</p> <p><b>Drawn By</b> LMT <b>Checked By</b> KAK</p> <p><b>Scale</b> NTS <b>Issue Date</b> 08/29/2025</p> <p><b>Project Number</b> 2503.031</p> <p><b>Drawing Number</b> C-000 <b>Sheet 1 of 14</b></p>	SHEET	DRAWING NAME	sheet name	PLAN DATE	LAST REVISED	1	C-000	COVER SHEET	08/29/2025		2	C-001	GENERAL NOTES	08/29/2025		3	C-100	EXISTING CONDITIONS	08/29/2025		4	C-200	SITE & UTILITY PLAN	08/29/2025		5	C-201	DOG PARK PLAN	08/29/2025		6	C-300	GRADING & DRAINAGE PLAN	08/29/2025		7	C-600	CONSTRUCTION DETAILS I	08/29/2025		8	C-601	CONSTRUCTION DETAILS II	08/29/2025		9	C-602	CONSTRUCTION DETAILS III	08/29/2025		10	C-603	CONSTRUCTION DETAILS IV	08/29/2025		11	ER-000	NPDES COVER SHEET	08/29/2025		12	ER-001	NPDES NOTES	08/29/2025		13	ER-100	EROSION CONTROL PLAN	08/29/2025		14	ER-500	EROSION CONTROL DETAILS	08/29/2025	
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## GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE GEORGIA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS AND DETAILS (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
- EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
- ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF GEORGIA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
- ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
- ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE Affected. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- CONSTRUCTION EQUIPMENT SHALL BE PARKED IN A LOCATION APPROVED BY THE OWNER.
- ALL PROPOSED DIMENSIONS ARE TO THE FACE CURB UNLESS OTHERWISE NOTED.
- THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
- CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO A STATE APPROVED LANDFILL. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL.
- ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES.
- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE COBB COUNTY STANDARDS AND THE GEORGIA DEPARTMENT OF TRANSPORTATION, AS APPLICABLE.
- DEVIATION FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- CONTRACTOR IS RESPONSIBLE FOR NOTIFICATIONS AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATING, RELOCATION AND TIE-IN TO PUBLIC UTILITIES. ALSO, CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL INSPECTORS, INCLUDING COUNTY AND CITY INSPECTORS PRIOR TO BEGINNING SITE CONSTRUCTION.
- THERE MAY BE ADDITIONAL UTILITIES THAN THOSE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS AND NECESSARY INVERTS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE DEPARTMENT OF THE UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATIONS AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATING, RELOCATING AND TIE-IN TO THE PUBLIC UTILITIES.
- IF CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY, AS APPROVED BY THE ENGINEER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING ALL "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR THE COUNTY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED BY THE CONTRACTOR TO DEVELOP FINAL RECORD DRAWINGS.
- THE CONTRACTOR SHALL TELEPHONE TOLL FREE 1-800-282-7411 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE PLANS FOR A UTILITY LOCATION SERVICE.
- ALL APPROPRIATE SITE WORK SHALL CONFORM TO ADA STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL. THE CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN TO BE APPROVED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION A MINIMUM OF 72 HOURS PRIOR TO ANY ROAD AND LANE CLOSURES. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL EMERGENCY SERVICES PRIOR TO LANE AND ROAD CLOSINGS.

## PAVING, GRADING AND DRAINAGE NOTES

- ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN COUNTY'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR GDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
- ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
- TRAFFIC CONTROL ON ALL GDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE PLANS.
- ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON DETAIL SHEETS.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEDED AND MULCHED AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS.
- SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
- THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- AREAS TO BE GRADED ARE TO BE STRIPPED, CLEARED AND GRUBBED PRIOR TO COMMENCING GRADING OPERATIONS. TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER AS TO NOT CONTAMINATE STRUCTURAL FILL.
- NO SOIL FOUND ON THE SITE OR TRANSPORTED TO THE SITE WHICH IS CONTAMINATED SHALL BE USED FOR FILL, BACKFILL OR LANDSCAPING TOPSOIL.
- ONCE DESIGNATED AREAS ARE STRIPPED, AT GRADE AREAS AND AREAS THAT ARE TO RECEIVE FILL SHALL BE PROOFROLLED WITH A HEAVILY LOADED DUMP TRUCK OR OTHER RUBBER-TIRED CONSTRUCTION EQUIPMENT. ANY MATERIAL THAT DEFLECTS EXCESSIVELY, WHICH CANNOT BE DENSIFIED BY CONTINUED ROLLING SHOULD BE UNDERCUT TO A MORE STABLE SOIL BEFORE PLACING FILL MATERIAL.
- ALL FILL MATERIAL SHOULD BE PLACED IN THIN, HORIZONTAL LIFTS (MAXIMUM 8-INCH) AND COMPAKTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). THE UPPER 12 INCHES OF SOIL BEHNEATH PAVEMENTS AND SLABS-ON-GRADE SHOULD BE COMPAKTED TO AT LEAST 98 PERCENT. IN CONFINED AREAS, SUCH AS UTILITY TRENCHES OR BEHNEATH RETAINING WALLS, PORTABLE EQUIPMENT AND THINNER FILL LIFTS (3 TO 4 INCHES) MAY BE NECESSARY. FILL MATERIAL USED IN STRUCTURAL AREAS SHOULD HAVE A TARGET MAXIMUM DRY DENSITY OF 95 PCF, OR GREATER, IF LIGHTER WEIGHT FILL MATERIALS ARE USED, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.
- TRENCH CONSTRUCTION FOR STORM DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH STATE HIGHWAY STANDARD 1030D (OR MOST CURRENT).
- NO STRUCTURES, FENCES OR OTHER OBSTRUCTIONS MAY BE LOCATED WITHIN A DRAINAGE OR ACCESS EASEMENT WITHOUT PRIOR APPROVAL FROM THE APPROPRIATE JURISDICTION.
- MAXIMUM CUT SLOPES ARE 2 HORIZONTAL TO 1 VERTICAL. CONTINUOUS FILL SLOPES TEN (10) FEET IN HEIGHT OR LESS MAY BE 2 HORIZONTAL TO 1 VERTICAL. ALL CONTINUOUS FILL SLOPES THAT EXCEED TEN (10) FEET IN HEIGHT MUST BE 3 HORIZONTAL TO 1 VERTICAL UNLESS: (a) A MECHANICALLY ENGINEERED STABILIZED SLOPE IS APPROVED BY THE CITY DIRECTOR OF ENGINEERING; OR (b) THE DESIGNED AND CONSTRUCTED SLOPES ARE CERTIFIED BY A REGISTERED ENGINEER EXPERIENCED IN GEOTECHNICAL ENGINEERING AND LICENSED IN THE STATE OF GEORGIA.

24 HOUR CONTACT:  
DWAYNE EBERHART  
TEL: 770-943-8010

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SHEET 2 of 14

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
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Drawing location: Powder Springs City of SP-2022-0503031 Drawing date: 08/29/2025 Drawing title: Powder Springs Park Phase 2 Engineering Design

CONSTRUCTION DOCUMENTS

LAND LOT(S) 901  
OF THE 19TH DISTRICT  
CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
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Drawing location: Powder Springs City of SP-2022-0503031 Drawing date: 08/29/2025 Drawing title: Powder Springs Park Phase 2 Engineering Design

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
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MARIETTA, GA 30062  
PHONE: (770) 971-5407  
FAX: (770)



### LEGEND

BOUNDARY
ADJ. BOUNDARY
BUILDING
WALL
WOODS LINE
FENCE
SAN. SEWER LINE
LAND LOT LINE
STORM SEWER LINE
JUNCTION BOX
SINGLE WING C.B.
DOUBLE WING C.B.
DROP INLET
SAN. SEWER MANHOLE
FIRE HYDRANT
WATER METER
IRRIG. CONTROL VALVE
WATER VALVE
FIRE DEPT. CONNECTION
SPRINKLER HEAD
GAS VALVE
TELE. PEDESTAL
ELECTRIC BOX
ELECTRIC METER
PULL BOX
LIGHT POLE
POWER POLE
H/C PARKING
BOLLARD
MAIL BOX
CLEAN OUT
SIGN
TREE
REBAR FOUND
IRON PIN SET (IPS)

IF ANY CONFLICTS, DISCREPANCIES OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE OPERATION UNTIL THE CONFLICTS, DISCREPANCIES OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

**CROY**

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
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BY CROY ENGINEERING, LLC.

Drawing Rotation: 0° Plot Style: Design db. Printed By: *[Signature]* Date: 08/25/2025 11:18 AM  
Plot Scale: 1"=30'

### POWDER SPRINGS PARK - DOG PARK

CONSTRUCTION DOCUMENTS  
LAND LOT(S) 901  
OF THE 19TH DISTRICT, ##### SECTION  
CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

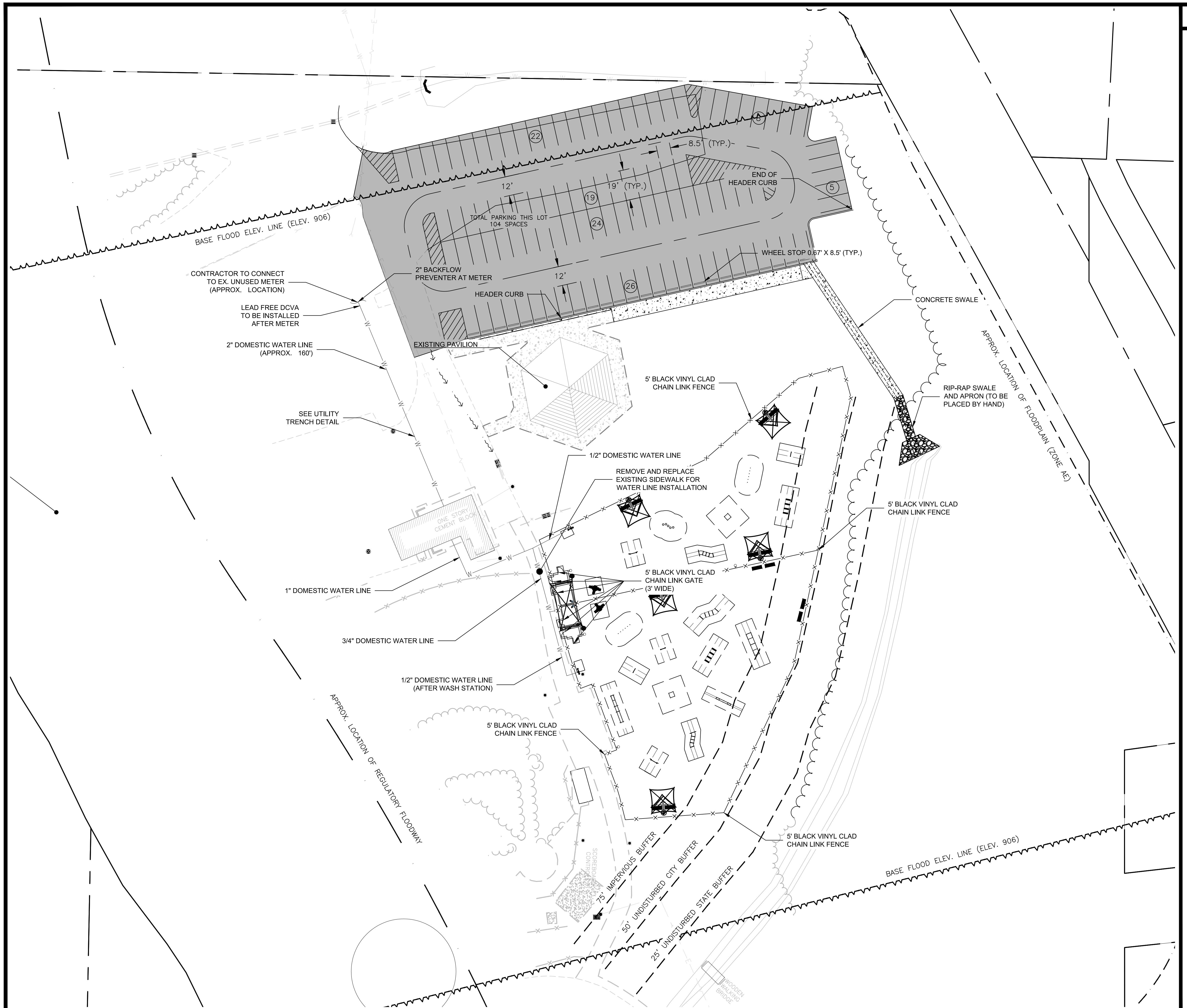
**GEORGIA 811**  
www.Georgia811.com

Contact 811 before you dig.

24 HOUR CONTACT:  
DWAYNE EBERHART  
TEL: 770-943-8010

DRAWN BY	CHECKED BY
-----	KAK
SCALE	ISSUE DATE
1"=30'	08/29/2025
PROJECT NUMBER	
2503.031	
DRAWING NUMBER	
C-100	
SHEET 3 of 14	

Drawing location: Powder Springs City of SP-2503.031 Powder Springs Park Phase 2 Engineering Design 08/29/2025 11:18 AM



# POWDER SPRINGS PARK - DOCUMENT

# PARK

## CONSTRUCTION DOCUMENTS

LAND LOT(S) 901  
OF THE 19TH DISTRICT, ##### SECTION  
CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA

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**PHONE: (770) 971-5407 FAX: (770) 971-0620**  
**MARIETTA, GA 30062**

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DRAWING N	
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SHEET	

**24 HOUR CONTACT:**  
DWAYNE EBERHART  
TEL: 770-943-8010



GSWCC CERT #14353

STREET TITLE

2022

DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

DRAWN BY  
-----  
CHECKED BY  
**KAK**

SCALE	ISSUE DATE
1" - 20'	08/20/2025

PROJECT NUMBER

2503.031

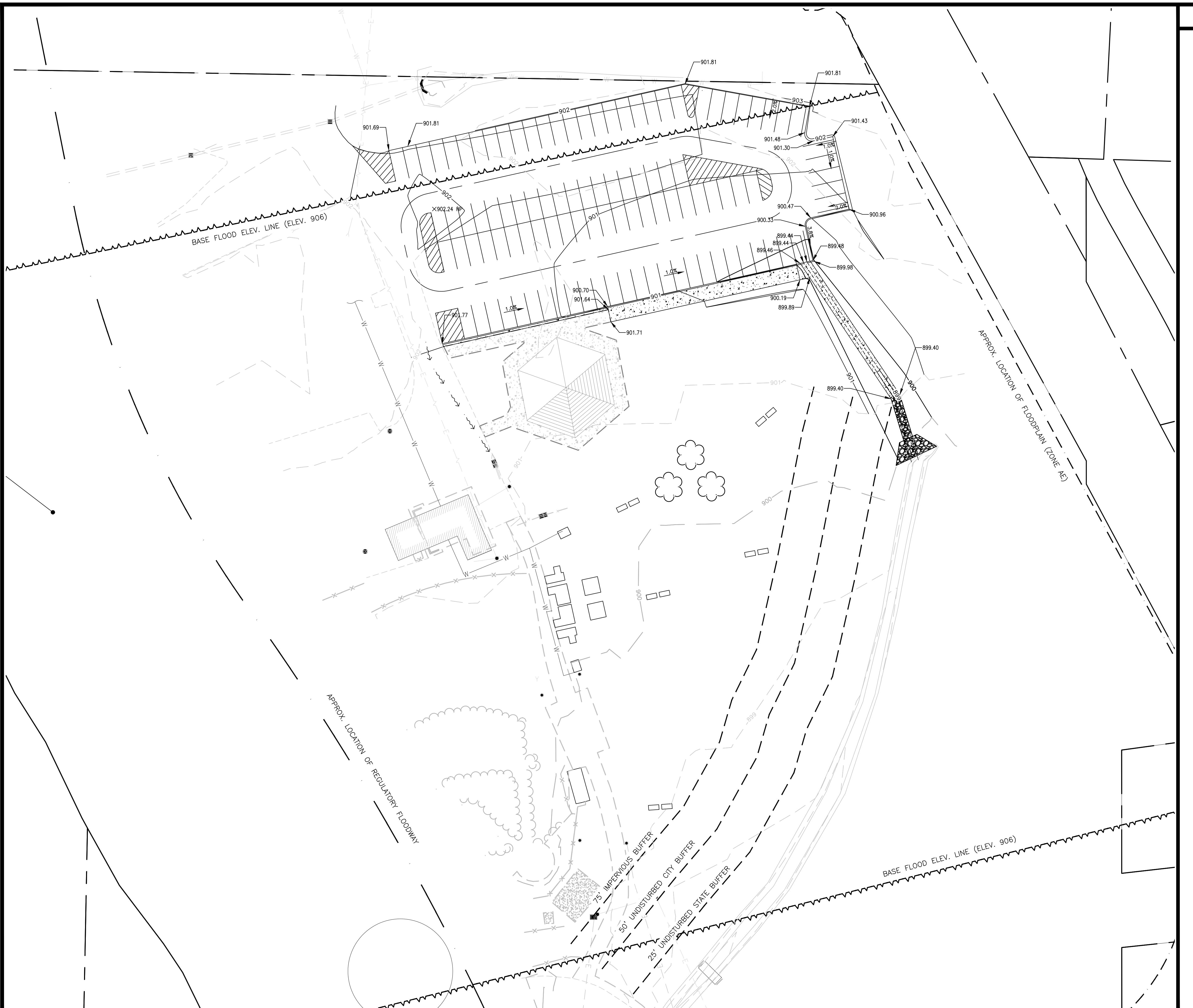
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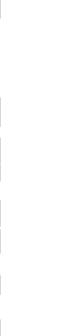
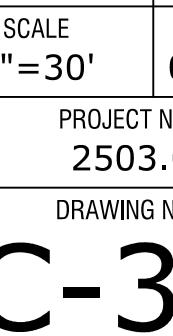
**C-200**

SHEET 4 of 14

1





<h1>POWDER SPRINGS PARK - DOG PARK</h1> 	
<h2>CONSTRUCTION DOCUMENTS</h2>	
<p>LAND LOT(S) 901 OF THE 19TH DISTRICT, ##### SECTION CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA</p>	
<p>200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413 MARIETTA, GA 30062 PHONE: (770) 971-5407 FAX: (770) 971-0620</p>	
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<p>Plot Scale: 1"=30', Drawing Rotation: 0.0°, Plot Style: Design.ctb, Plotted By: Luke Torbert on 8/29/2025, 4:14 PM Drawing Location: P:\Marietta\2025 Powder Springs Park Phase 2\Engineering\Design\2503.031 Plan.dwg</p>	
<p>0. REVISION REFERENCE DATE</p>	
<p>SEAL</p> 	
<p>GSWCC CERT #14353</p>	
<p>SHEET TITLE GRADING &amp; DRAINAGE PLAN</p>	
<p>DRAWN BY ---- SCALE 1"=30'</p>	
<p>CHECKED BY KAK ISSUE DATE 08/29/2025</p>	
<p>PROJECT NUMBER 2503.031</p>	
<p>DRAWING NUMBER C-300</p>	







# CROXY



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## RINGS PARK - DOG PARK

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MARIETTA, GA 30062**  
**PHONE: (770) 971-5407 FAX: (770) 971-0620**

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CONSTRUCTION DOCUMENTS  
LAND LOT(S) 901  
OF THE 19TH DISTRICT  
CITY OF POWDER SPRINGS, COBB COUNTY, GEORGIA

**FOR CONSTRUCTION**

# POWDER SPRINGS PARK

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SHEET 10 of 14

Digitized by srujanika@gmail.com

GSWCC CERT #14353  
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CONSTRUCTION  
DETAILS IV  
202022222503.031 Pow

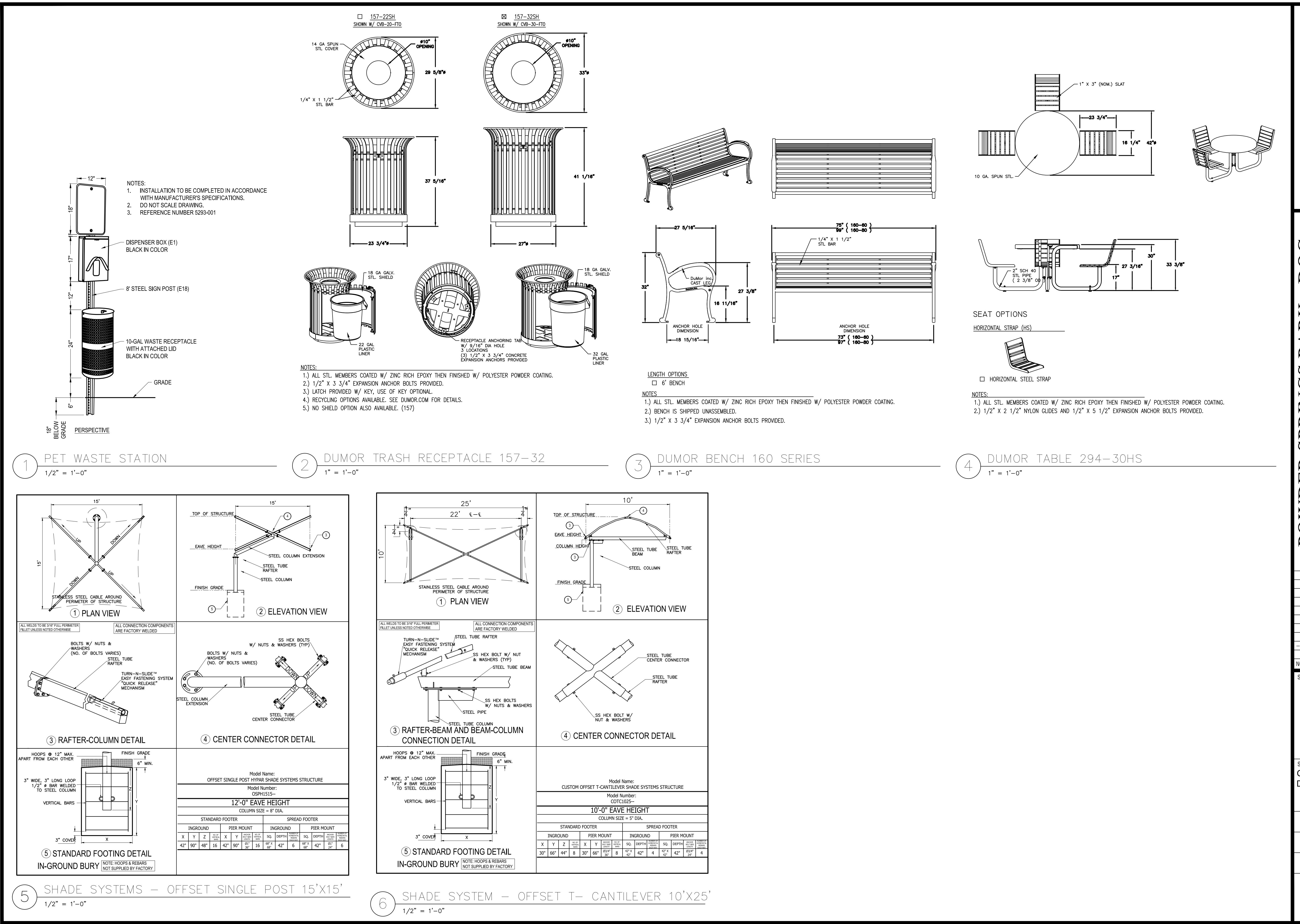
DETAILS IV

DRAWN BY <b>LMT</b>	CHECKED BY <b>KAK</b>
SCALE	ISSUE DATE
NTC	08/20/2025

NTS	08/29/2025
PROJECT NUMBER	
2503.031	
DRAWING NUMBER	

DRAWING NUMBER  
**C-603**

SHEET 10 of 14



APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan	Included
Page #	Y/N
N/A	N
	a. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
N/A	N
	b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
N/A	N
	c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
	d. A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
ER-000	Y
N/A	N
	e. Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Section III. D.1. of the NPDES Permit.
N/A	N
	f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.
N/A	N
	g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
N/A	N
	h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.
N/A	N
	i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan.
N/A	N
	j. Use "Dirt II" techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. ( <a href="https://epd.georgia.gov/erosion-and-sedimentation">https://epd.georgia.gov/erosion-and-sedimentation</a> )
N/A	N
	k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
ER-100	Y
N/A	N
	l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
N/A	N
	m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
N/A	N
	n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
N/A	N
	o. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
N/A	N
	p. Conduct soil tests to identify and to implement site-specific fertilizer needs.
ER-001	Y
	q. Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) – (c); secondary permittees, Section IV.D.4.b.(3)(a) – (c); and tertiary permittees Section IV.D.4.c.(3)(a) – (c) *
N/A	N
	r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
N/A	N
	s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at <a href="http://www.gaswcc.georgia.gov">www.gaswcc.georgia.gov</a> )
N/A	N
	t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the Plan.
ER-001	Y
	u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Section IV.A.5 of the permit.
	The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.
N/A	N
	v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2025

\* This requirement is different for infrastructure projects:

Certified personnel for primary permittees shall conduct inspections at least once every seven

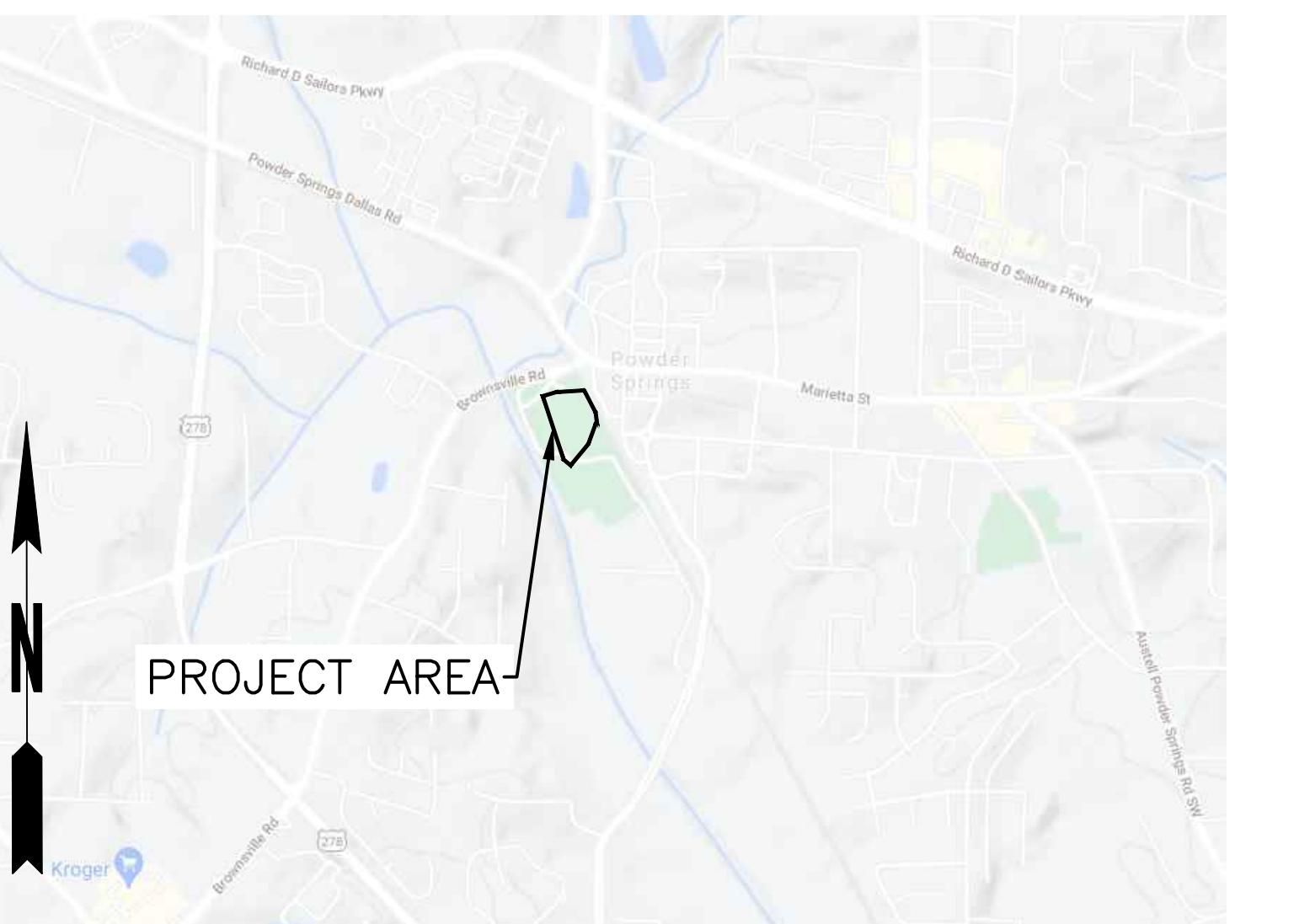
(7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or

greater in accordance with Section IV.D.4.a.(3)(a) – (c) of the permit.

# EROSION, SEDIMENTATION, & POLLUTION CONTROL PLANS FOR POWDER SPRINGS PARK - DOG PARK

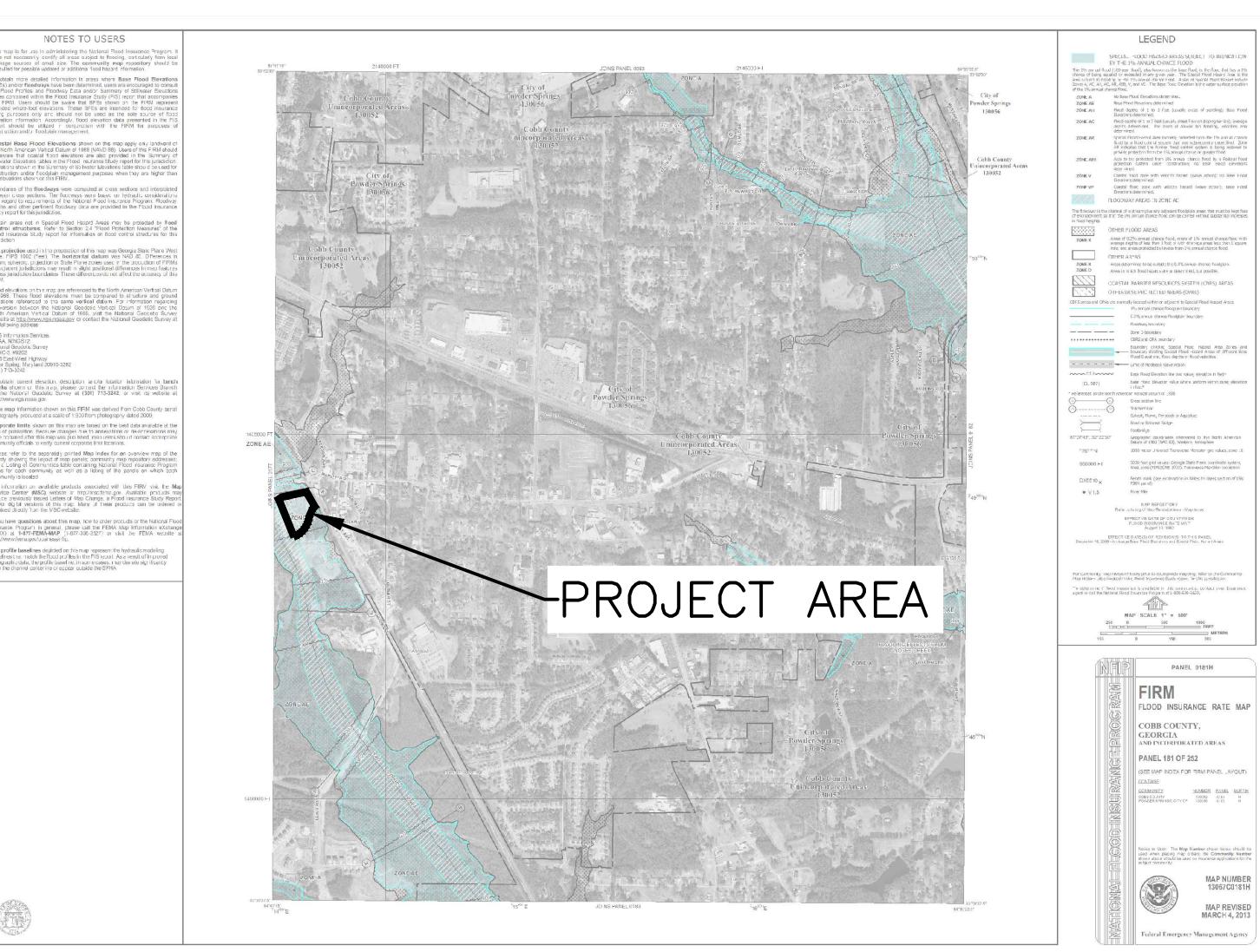
# CITY OF POWDER SPRINGS, GEORGIA

CROY ENGINEERING PROJECT NO. 2503.031  
AUGUST, 2025



# LOCATION MAP

## (NTS)



# EMA MAP

# SOIL MAP

The logo for Georgia 811. It features the word "GEORGIA" in large, bold, green letters, followed by "811" in a slightly smaller, yellow-green letters. Below this, the website "www.Georgia811.com" is written in white. To the right of the text is a graphic of a shovel in a dark green, stylized ground.

**24 HOUR CONTACT:  
DWAYNE EBERHART  
TEL: 770-943-8010**

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST  
STAND ALONE CONSTRUCTION PROJECTS**

**SWCD: COBB**

**Project Name:** POWDER SPRINGS PARKS IMPROVEMENT **Address:** 3899 BROWNSVILLE ROAD

**City/County:** POWDER SPRINGS - DOG PARK **Date on Plans:** 8/29/2025

**Name & email of person filling out checklist:** Kelly Knetzger Kknetzger@croyeng.com

**Plan Included**

**TO BE SHOWN ON ES&PC PLAN**

**Page #** **Y/N**

1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.  
(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)

2 Level II certification number issued by the Commission, signature and seal of the certified design professional.  
(Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)

3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist \*  
(A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)

4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.

5 Provide the name, address, email address, and phone number of primary permittee.

6 Note total and disturbed acreage of the project or phase under construction.

7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

9 Description of the nature of construction activity.

10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit

13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit \*

14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit. \*

15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."

16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

17 Clearly note the statement that "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." \*

18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit" \*

19 Clearly note statement that "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."

20 Clearly note statement that "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."

21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. \*

23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. \*

24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. \*

25 Provide BMPs for the remediation of all petroleum spills and leaks.

26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. \*

27 Description of practices to provide cover for building materials and building products on site. \*

28 Description of the practices that will be used to reduce the pollutants in storm water discharges. \*

29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).

30 Provide complete requirements of inspections and record keeping by the primary permittee. \*

31 Provide complete requirements of sampling frequency and reporting of sampling results. \*

32 Provide complete details for retention of records as per Part IV.F. of the permit. \*

33 Description of analytical methods to be used to collect and analyze the samples from each location. \*

34 Appendix B rationale for NTU values at all outfall sampling points where applicable. \*

35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. \*

36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. \*

37 Graphic scale and North arrow.

38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at [www.gaswcc.org](http://www.gaswcc.org).

40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. \*

41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact

42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

43 Delineation and acreage of contributing drainage basins on the project site.

44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. \*

45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.

46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

47 Soil series for the project site and their delineation.

48 The limits of disturbance for each phase of construction.

49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.

50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.

51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the \* checklist items would be N/A.

Effective January 1, 2025

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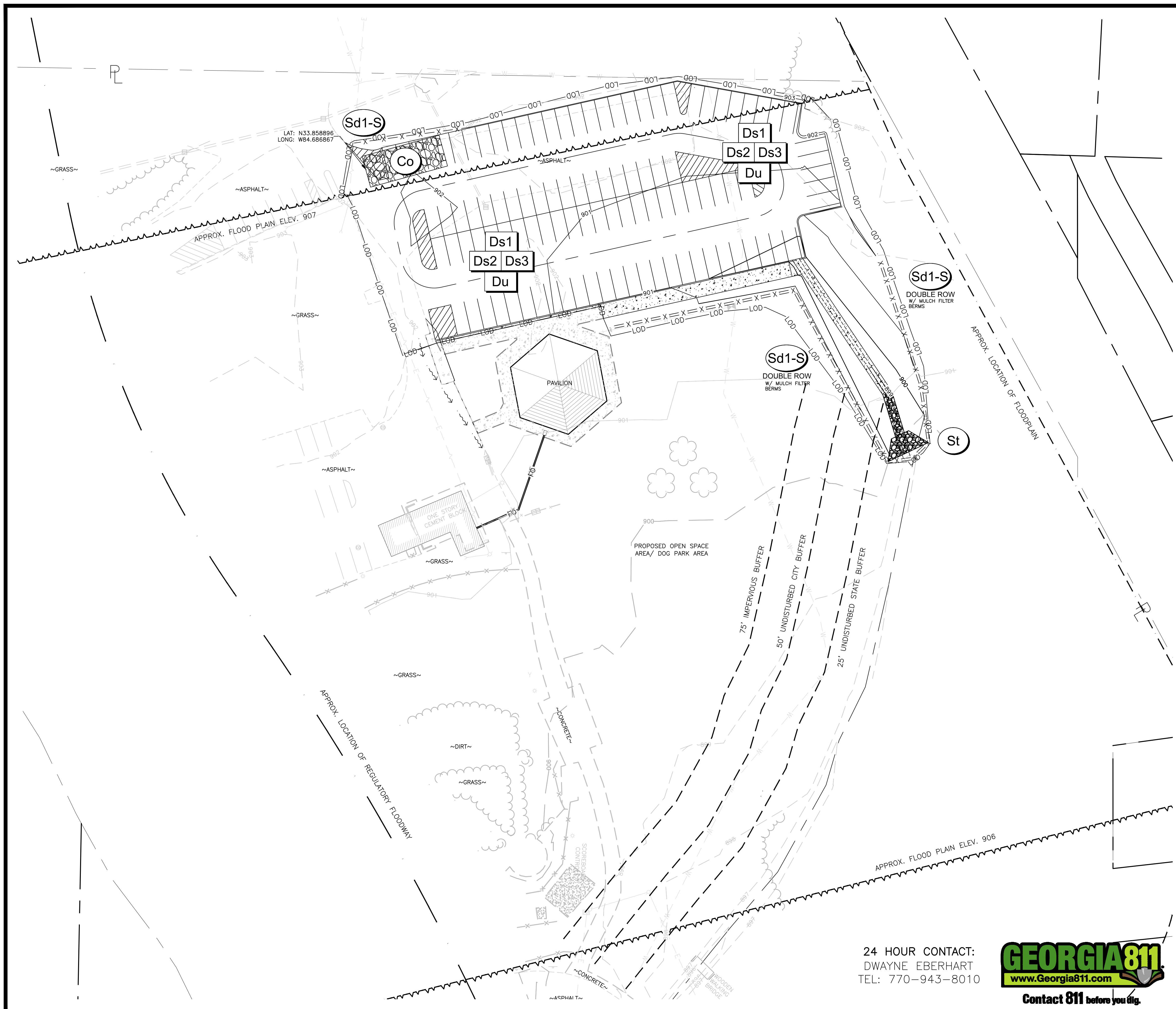


# R SPRINGS PARK - PARK

# LAND LOT(S) 901 INSTRUCTION DOCUMENTS

# 19TH DISTRICT CITY OF POWDER SPRINGS, COBB CO ELECTION





#### EROSION CONTROL NOTES

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.

NO LAND DISTURBANCE, CONSTRUCTION PROCESSES, OR STORAGE OF EQUIPMENT OR MATERIALS SHALL TAKE PLACE WITHIN A DESIGNATED TREE PROTECTION AREA IN ORDER TO PREVENT DIRECT PHYSICAL ROOT DAMAGE THAT OCCURS DURING SITE CLEARING AND GRADING AND CAN CAUSE TRANSPORT OR FEEDER ROOTS TO BE CUT, TORN, OR REMOVED; INDIRECT ROOT DAMAGE CAUSED FROM GRADE CHANGES; AND TRUNK AND CROWN DAMAGE CAUSED BY DIRECT CONTACT WITH LAND CLEARING MACHINERY OR GALLING OF ADJACENT TREES.

USE OF ALTERNATIVE BMPs WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMPs AS CERTIFIED BY DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION). PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE FOUND AT [www.gswcc.georgia.gov](http://www.gswcc.georgia.gov).

USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST, PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA 2016 EDITION.

#### EROSION NARRATIVE:

SILT FENCE BMPs ARE TO BE MAINTAINED THROUGHOUT INITIAL AND INTERMEDIATE PHASES AND REMOVED DURING FINAL PHASE. ONCE SILT FENCE IS INSTALLED, GRADING OPERATIONS CAN COMMENCE FOR THE SITE. UTILITIES WILL BE INSTALLED AS SITE GRADING IS UNDERWAY.

DISTURBED AREA STABILIZATION SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE MANUAL. CLEAN OUT ACCUMULATED SILT AND SEDIMENT STORED IN BMPs. IMPLEMENTATION AND MAINTENANCE OF ALL BMPs SHALL BE ACCORDING TO THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. DETAILS FOR THE PROPOSED BMPs ARE INCLUDED ON SHEETS ER-500.

#### STRUCTURAL BMP LEGEND

	CONSTRUCTION EXIT
	SINGLE ROW OF SILT FENCE WITH LOOSE STRAW IN BETWEEN
	DOUBLE ROW OF SILT FENCE WITH LOOSE STRAW IN BETWEEN
	STORM DRAIN OUTLET PROTECTION

#### VEGETATIVE BMP LEGEND

	DISTURBED AREA STABILIZATION - MULCHING ONLY
	DISTURBED AREA STABILIZATION - TEMPORARY SEEDING
	DISTURBED AREA STABILIZATION - PERMANENT SEEDING
	DUST CONTROL ON DISTURBED AREAS

LOD	LIMITS OF DISTURBANCE
DISTURBED AREA: 1.1 ACRES	



GSWCC CERT #14353

SHEET TITLE  
EROSION CONTROL  
PLAN

DRAWN BY  
-----  
CHECKED BY  
KAK

SCALE  
1" = 30'  
ISSUE DATE  
08/29/2025

PROJECT NUMBER  
2503.031

DRAWING NUMBER  
2503.031

ER-100  
SHEET 13 of 14

<b>Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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<p><b>Seedbed Preparation</b> Soil seedbed preparation may be required where hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation will be done as follows:</p> <p><b>Brushless Planters</b></p> <ol style="list-style-type: none"> <li>1. Tillage at a minimum shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchorage of straw or hay mulch if it is to be used.</li> <li>2. Tillage may be done with any suitable equipment.</li> <li>3. Tillage should be done on the contour where feasible.</li> <li>4. If tillage is done, the soil shall be prepared with appropriate equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may be used.</li> <li>5. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.</li> <li>6. For temporary stock plants, holes shall be large enough to accommodate roots without crowding.</li> <li>7. Where pine seedlings are to be planted, subsoil under the row 36 inches deep from the root to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.</li> </ol> <p><b>Inoculants</b> All legume seed shall be inoculated with appropriate nitrogen-fixing bacteria. The inoculant shall be a pure culture prepared specifically for the seed species and used within the dates on the container.</p> <p>A mixing medium recommended by the manufacturer shall be used to hold the inoculant to the seed, for conventional seeding, to assist the inoculation process recommended by the manufacturer. For hydraulic seeding, four times the amount of inoculant recommended by the manufacturer shall be used.</p> <p>All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.</p> <p><b>Planting</b></p> <p><b>Hydraulic Seeding</b> Mix seed (if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a layer uniformly over the area to be treated. Apply within one hour after the mixture is made.</p> <p><b>Conventional Seeding</b> Seeding will be done on a fresh, prepared and firm seedbed. For broadcast planting, use a seed-packer-seeder, drill or cultipacker and hand seed to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil to prevent seed from being washed away when using a seeder or other similar equipment.</p> <p>No Tillage No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (premises) species. No-till seeding shall be done in the most appropriate season for the species.</p> <p>Individual Plants Shrubs, vines and sprigs shall be set in the soil to be treated. Tree seedlings shall be planted in the proper depth. Individual plants shall be set in the soil to be treated that will avoid crowding the roots.</p> <p>Nursery Stock Plants Nursery stock plants shall be planted at the same depth or slightly deeper than they grew in the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.</p> <p>Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.</p> <p><b>Mulching</b> Mulch is required for permanent vegetation applications, mulch applied to seed areas shall achieve 75% to 100% soil cover. When selecting a mulch, design professionals should consider the mulch's functional longevity, vegetation establishment enhancement and erosion control effectiveness. Select the mulching material from the following and apply as indicated:</p> <ol style="list-style-type: none"> <li>1. Dry straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk". Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch.</li> <li>2. Wood cellulose mulch or wood pulp fiber shall be used by hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied (at the rate indicated above) after hydraulic seeding.</li> <li>3. One ton of straw or hay mulch shall be applied at a rate of 2 1/2 tons per acre.</li> <li>4. For species L. virginicus G. Don, scarified seed may be applied at a rate of 1/2 tons per acre for bedded areas.</li> <li>5. For species L. cuneata G. Don, scarified seed may be applied at a rate of 1/2 tons per acre for bedded areas.</li> <li>6. When using temporary erosion control blankets or block, soil must be required.</li> <li>7. Blitnumous treated straw may be applied on planted areas, slopes, in ditches or dry waterways to prevent erosion. Blitnumous treated straw shall be applied within 24 hours after seed has been planted. Application rates and methods of application shall be determined by the manufacturer.</li> <li>8. Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly dispersed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.</li> </ol> <p><b>Applying Mulch</b> Straw or hay mulch shall be spread uniformly within 24 hours after seeding and/or planting the mulch may be spread by blow-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil surface.</p> <p>Wood cellulose or wood fiber mulch shall be applied uniformly by hydraulic seeding equipment.</p> <p><b>Anchoring Mulch</b></p> <ol style="list-style-type: none"> <li>1. Anchor straw or mulch shall be pressed into the soil immediately after the mulch is spread. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch.</li> <li>2. 8 to 12 inches apart. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch.</li> <li>3. Synthetic tackifiers and/or hydraulic mulch specifically designed for straw, shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specific instructions, but the hydraulic mulch specifically designed to mix with straw shall be verified non-toxic through EPA 2010 data sheet. Refer to Tackifiers-Tac.</li> <li>4. Rye or wheat shall be included with fall and winter plantings to stabilize the mulch. They shall be applied at a rate of 1000 pounds per acre.</li> <li>5. Plastic mesh or netting shall be larger than one inch by one inch be required to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's specifications.</li> </ol> <p><b>Bedding Material</b> Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.</p> <table border="1"> <tr> <td>Material</td> <td>Depth</td> </tr> <tr> <td>Grass Seed</td> <td>4" TO 6"</td> </tr> <tr> <td>Grass Hay</td> <td>4" TO 6"</td> </tr> <tr> <td>Pine Needles</td> <td>3" TO 5"</td> </tr> <tr> <td>Wood Waste</td> <td>4" TO 6"</td> </tr> </table> <p><b>Irrigation</b> Irrigation will be applied at a rate that will not cause runoff.</p> <p><b>Topdressing</b> Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species. Recommended rates of application are listed in table 6-5-1.</p> <p><b>Second Year and Maintenance Fertilizer</b> Soil test your fertilizer rates and maintenance fertilizer rates are listed in table 6-5-1.</p> <p><b>Line Maintenance Application</b> Apply one ton of germinating lime every 4 to 6 years as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements, if desired.</p> <p><b>Use And Management</b> Mow Sericea Lespedeza only after frost to ensure that the seeds are mature, mow between November and March. Bermudagrass, Bahia grass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.</p> <p>Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between May and September.</p> <p><b>FERTILIZER REQUIREMENTS</b></p> <table border="1"> <thead> <tr> <th>TYPE OF SPECIES</th> <th>YEAR</th> <th>ANALYSIS OR EQUIVALENT N-P-K</th> <th>RATE</th> <th>NITROGEN TOP DRESSING RATE</th> </tr> </thead> <tbody> <tr> <td>1. Cool season grasses</td> <td>Firs, Second Maintenance</td> <td>6-12-12 10-10-10</td> <td>1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.</td> <td>50-100 lbs./ac. 30 lbs./ac.</td> </tr> <tr> <td>2. Cool season grasses and legumes</td> <td>Firs, Second Maintenance</td> <td>6-12-12 10-10-10</td> <td>1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.</td> <td>0-50 lbs./ac.</td> </tr> <tr> <td>3. Ground covers</td> <td>Firs, Second Maintenance</td> <td>10-10-10 10-10-10</td> <td>1300 lbs./ac. 1300 lbs./ac. 1100 lbs./ac.</td> <td>----</td> </tr> <tr> <td>4. 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<p><b>PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER</b></p> <table border="1"> <thead> <tr> <th rowspan="2">SPECIES</th> <th colspan="12">BROADCAST RATES</th> <th colspan="12">PLANTING DATES FOR SOUTHERN PIEDMONT REGION</th> <th rowspan="2">REMARKS</th> </tr> <tr> <th>PER ACRE</th> <th>PER 1000 SQ.FT.</th> <th>J</th><th>F</th><th>M</th><th>A</th><th>M</th><th>J</th><th>J</th><th>A</th><th>S</th><th>O</th><th>N</th><th>D</th> </tr> </thead> <tbody> <tr> <td>BAHIA, PENSACOLA (Paspalum notatum) alone or w/ temp. cover with other perennials</td> <td>60 lbs.</td> <td>1.4 lb.</td> <td colspan="11">J F M A M J J A S O N D</td> <td>166,000 seed per pound. Low growing. Sod forming. Good for erosion control.</td> </tr> <tr> <td>BAHIA, WILMINGTON (Paspalum notatum) alone or w/ temp. cover with other perennials</td> <td>30 lbs.</td> <td>0.7 lb.</td> <td colspan="11">J F M A M J J A S O N D</td> <td>166,000 seed per pound. Low growing. Sod forming. 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Good for erosion control and in concentrated flow areas. It is recommended that not plant near pasture areas.</td> </tr> <tr> <td>CROWNTRECH (Coronilla varia) with winter annuals or cool season grasses</td> <td>15 lbs.</td> <td>0.3 lb.</td> <td colspan="11">J F M A M J J A S O N D</td> <td>100,000 seed per pound. Drought tolerant and resistant. Good for erosion control.</td> </tr> <tr> <td>FESCUE, TALL (Festuca arundinacea) alone or with other perennials</td> <td>50 lbs.</td> <td>1.1 lb.</td> <td colspan="11">J F M A M J J A S O N D</td> <td>227,000 seed per pound. Use alone or in mixtures. Good for erosion control. Very good for permanent or temporary cover. It is recommended that not plant near pasture areas.</td> </tr> <tr> <td>LESPEDEZA, SERICA (Lespedeza cuneata) scarified, unscarified seed-bearing hay</td> <td>60 lbs.</td> <td>1.4 lbs.</td> <td colspan="11">J F M A M J J A S O N D</td> <td>350,000 seed per pound. Widely used for erosion control. 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Evergreen.</td> </tr> <tr> <td>Carpet Blue</td> <td>Ajuga reptans</td> <td>2-4 in.</td> <td>3 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Needs good drainage, partial shade. Blue or white flowers. Evergreen.</td> </tr> <tr> <td>Bearberry</td> <td>Cotoneaster dammeri</td> <td>2-4 in.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>White flowers, red fruit. Sun, Evergreen.</td> </tr> <tr> <td>Ground Cover Cotoneaster</td> <td>Cotoneaster salicifolius</td> <td>1-2 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>White flowers, red fruit. Sun, Evergreen.</td> </tr> <tr> <td>Rock Cotoneaster</td> <td>Cotoneaster horizontalis</td> <td>1-2 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Semi-evergreen. Sun.</td> </tr> <tr> <td>Virginia Creeper</td> <td>Parthenocissus quinquefolia</td> <td>low</td> <td>3 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Red in fall. Vine. Deciduous. Native to Georgia.</td> </tr> <tr> <td>Daylily</td> <td> Hemerocallis spp.</td> <td>2-3 ft.</td> <td>2 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Many flower colors. Full sun. Very Hardy.</td> </tr> <tr> <td>English Ivy</td> <td>Hedera helix</td> <td>low</td> <td>3 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Shade only. Climbs.</td> </tr> <tr> <td>Compacta Holly</td> <td>Ilex crenata 'Compacta'</td> <td>3-4 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Sun, semi-shade.</td> </tr> <tr> <td>Chinese Holly</td> <td>Ilex cornuta 'Rotunda'</td> <td>3-4 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Very durable. 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Sun.</td> </tr> <tr> <td>Parsons Juniper</td> <td>Juniperus chinensis 'Parsons'</td> <td>18-24 in.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>One of the best, good winter cover.</td> </tr> <tr> <td>Pfitzer Juniper</td> <td>Juniperus chinensis 'Pfitzeriana'</td> <td>6-8 ft.</td> <td>6 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Needs room.</td> </tr> <tr> <td>Prince of Wales Juniper</td> <td>Juniperus horizontalis 'Prince of Wales'</td> <td>8-10 in.</td> <td>4 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Feathery appearance.</td> </tr> <tr> <td>Sargent Juniper</td> <td>Juniperus chinensis 'Sargentii'</td> <td>1-2 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Full sun. Needs good drainage. Good winter color.</td> </tr> <tr> <td>Shore Juniper</td> <td>Juniperus conferta</td> <td>2-3 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Emerald Sea or Blue Pacific cultivars are good.</td> </tr> <tr> <td>Liriope</td> <td>Liriope muscari</td> <td>8-10 in.</td> <td>3 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Spreads by runners.</td> </tr> <tr> <td>Creeping Liriope</td> <td>Liriope spicata</td> <td>10-12 in.</td> <td>1 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Lilac flowers in spring. Semi-shade.</td> </tr> <tr> <td>Big Leaf Periwinkle</td> <td>Vinca major</td> <td>12-15 in.</td> <td>4 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Rampant grower. Not for restricted spaces.</td> </tr> <tr> <td>Common Periwinkle</td> <td>Vinca minor</td> <td>5-6 in.</td> <td>4 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Lavender-blue flowers in spring.</td> </tr> <tr> <td>Cherokee Rose</td> <td>Rosa laevigata</td> <td>2 ft.</td> <td>5 ft.</td> <td colspan="12">J F M A M J J A S O N D</td> <td>Rampant grower. 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Sun, semi-evergreen.	Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	J F M A M J J A S O N D												Vine, Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen.	Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	J F M A M J J A S O N D												Needs good drainage, partial shade. Blue or white flowers. Evergreen.	Bearberry	Cotoneaster dammeri	2-4 in.	5 ft.	J F M A M J J A S O N D												White flowers, red fruit. Sun, Evergreen.	Ground Cover Cotoneaster	Cotoneaster salicifolius	1-2 ft.	5 ft.	J F M A M J J A S O N D												White flowers, red fruit. Sun, Evergreen.	Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	J F M A M J J A S O N D												Semi-evergreen. Sun.	Virginia Creeper	Parthenocissus quinquefolia	low	3 ft.	J F M A M J J A S O N D												Red in fall. Vine. Deciduous. Native to Georgia.	Daylily	Hemerocallis spp.	2-3 ft.	2 ft.	J F M A M J J A S O N D												Many flower colors. Full sun. Very Hardy.	English Ivy	Hedera helix	low	3 ft.	J F M A M J J A S O N D												Shade only. Climbs.	Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	J F M A M J J A S O N D												Sun, semi-shade.	Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	5 ft.	J F M A M J J A S O N D												Very durable. Sun, semi-shade.	Dwarf Burford Holly	Ilex burfordii 'Nana'	5-8 ft.	8 ft.	J F M A M J J A S O N D												Very durable, sun, semi-shade.	Dwarf Yaupon	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	J F M A M J J A S O N D												Semi-shade.	Repubdens Holly	Ilex crenata 'Repubdens'	2-3 ft.	5 ft.	J F M A M J J A S O N D												Semi-shade.	Andorra Juniper	Juniperus horizontalis	2-3 ft.	5 ft.	J F M A M J J A S O N D												Excellent for slopes. Sun.	Andorra Compacta Juniper	Juniperus horizontalis 'Compacta'	1-2 ft.	5 ft.	J F M A M J J A S O N D												More compact than andorra.	Big Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	J F M A M J J A S O N D													Blue Rug Juniper	Juniperus horizontalis 'Wilton'	4-6 in.	3 ft.	J F M A M J J A S O N D												Very low. Sun.	Parsons Juniper	Juniperus chinensis 'Parsons'	18-24 in.	5 ft.	J F M A M J J A S O N D												One of the best, good winter cover.	Pfitzer Juniper	Juniperus chinensis 'Pfitzeriana'	6-8 ft.	6 ft.	J F M A M J J A S O N D												Needs room.	Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	J F M A M J J A S O N D												Feathery appearance.	Sargent Juniper	Juniperus chinensis 'Sargentii'	1-2 ft.	5 ft.	J F M A M J J A S O N D												Full sun. Needs good drainage. Good winter color.	Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	J F M A M J J A S O N D												Emerald Sea or Blue Pacific cultivars are good.	Liriope	Liriope muscari	8-10 in.	3 ft.	J F M A M J J A S O N D												Spreads by runners.	Creeping Liriope	Liriope spicata	10-12 in.	1 ft.	J F M A M J J A S O N D												Lilac flowers in spring. Semi-shade.	Big Leaf Periwinkle	Vinca major	12-15 in.	4 ft.	J F M A M J J A S O N D												Rampant grower. Not for restricted spaces.	Common Periwinkle	Vinca minor	5-6 in.	4 ft.	J F M A M J J A S O N D												Lavender-blue flowers in spring.	Cherokee Rose	Rosa laevigata	2 ft.	5 ft.	J F M A M J J A S O N D												Rampant grower. Not for restricted spaces.	Memoria Rose	Rosa weiniana	2 ft.	5 ft.	J F M A M J J A S O N D												Rampant grower.	St. Johnswort	Hypericum calycinum	8-12 in.	3 ft.	J F M A M J J A S O N D												Semi-shade.	Anthony Waterer Spirea	Spirea bumalda	3-4 ft.	5 ft.	J F M A M J J A S O N D												Sun.	Thunberg Spirea	Spirea thunbergii	3-4 ft.	5 ft.	J F M A M J J A S O N D												Sun.
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<b>Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)</b>	
N.T.S.	
<p><b>SPECIFICATIONS</b></p> <p><b>Mulching Without Seeding</b> This standard applied to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.</p> <p><b>Site Preparation</b></p> <ol style="list-style-type: none"> <li>1. Grade to permit the use of equipment for applying and anchoring mulch.</li> <li>2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.</li> <li>3. Loosen compact soil to a</li></ol>	