REGIONAL REVIEW NOTIFICATION

ATLANTA REGIONAL COMMISSION

Atlanta Regional Commission • 229 Peachtree Street NE | Suite 100 | Atlanta, Georgia 30303 • ph: 404.463.3100 fax: 404.463.3205 • atlantaregional.org

DATE: SEPTEMBER 24, 2021 **ARC REVIEW CODE**: V2109241

TO: Mayor Mike Bodker, City of Johns Creek
ATTN TO: Ben Song, City of Johns Creek, City of Johns Creek Community Development Department
FROM: Douglas R. Hooker, Executive Director, ARC

The Atlanta Regional Commission (ARC) has received the following proposal and is initiating a regional review to seek comments from potentially impacted jurisdictions and agencies. The ARC requests your comments related to the proposal not addressed by the Commission's regional plans and policies.

Name of Proposal: **RC-21-02JC Cauley Creek Park**
Review Type: Metro River
MRPA Code: RC-21-02JC

Description: A Metropolitan River Protection Act (MRPA) review of a City of Johns Creek proposal to construct a new City park on on 142 acres off of Bell Road bordering the Chattahoochee River. The park will include multi-use trails, recreational fields, and various outdoor facilities. The project will also include an office building, restrooms, a concessions facility, and parking. A portion of the site falls within an area previously reviewed in 2003 as RC-03-07FC (Quail Hollow Estates Expansion) and is excluded from this review. A portion of the site extends beyond the 2000 foot limit of the Chattahoochee River Corridor review area and is also excluded from the review.

Preliminary Finding: ARC staff has opened its review of the application for a MRPA Certificate for this proposed project in the Chattahoochee River Corridor. ARC's preliminary finding is that the project is consistent with the Chattahoochee River Corridor Plan.

Submitting Local Government: City of Johns Creek
Land Lot: 0435,0436,0447,0448,0449,0455,0456 **District:** 11 **Section:**
Date Opened: September 24, 2021
Deadline for Comments: **October 4, 2021**
Earliest the Regional Review can be Completed: October 4, 2021

THE FOLLOWING LOCAL GOVERNMENTS AND AGENCIES ARE RECEIVING NOTICE OF THIS REVIEW:

ARC COMMUNITY DEVELOPMENT
CHATTAHOOCHEE RIVERKEEPER
CITY OF DULUTH
GEORGIA CONSERVANCY
ARC NATURAL RESOURCES
NATIONAL PARK SERVICE-CRNRA
GWINETT COUNTY
GEORGIA DEPARTMENT OF NATURAL RESOURCES
CITY OF JOHNS CREEK
FULTON COUNTY

If you have any questions regarding this review, please contact Donald Shockey at dshockey@atlantaregional.org or (470) 378-1531. If ARC staff does not receive comments from you on or before **October 4, 2021**, we will assume that your agency has no additional comments and will close the review. Comments by email are strongly encouraged. **The ARC review website is located at:** http://www.atlantaregional.org/land-use/planreviews**.**

Attached is information concerning this review.

ARC STAFF NOTICE OF REGIONAL REVIEW AND COMMENT FORM

DATE: SEPTEMBER 24, 2021 **ARC REVIEW CODE:** V2109241

TO: ARC Community Development and Natural Resources Managers
FROM: Donald Shockey, 470-378-1531

Reviewing staff by Jurisdiction:

Community Development: Smith, Andrew	**Natural Resources:** Santo, Jim

Name of Proposal: RC-21-02JC Cauley Creek Park
Review Type: Metro River
Description: A Metropolitan River Protection Act (MRPA) review of a City of Johns Creek proposal to construct a new City park on on 142 acres off of Bell Road bordering the Chattahoochee River. The park will include multi-use trails, recreational fields, and various outdoor facilities. The project will also include an office building, restrooms, a concessions facility, and parking. A portion of the site falls within an area previously reviewed in 2003 as RC-03-07FC (Quail Hollow Estates Expansion) and is excluded from this review. A portion of the site extends beyond the 2000 foot limit of the Chattahoochee River Corridor review area and is also excluded from the review.
Submitting Local Government: City of Johns Creek
Date Opened: September 24, 2021
Deadline for Comments: October 4, 2021
Earliest the Regional Review can be Completed: October 4, 2021

Response:

1) Proposal is CONSISTENT with the following regional development guide listed in the comment section.
2) While neither specifically consistent nor inconsistent, the proposal relates to the following regional development guide listed in the comment section.
3) The proposal is INCONSISTENT with the following regional development guide listed in the comment section.
4) The proposal does NOT relate to any development guide for which this division is responsible.
5) Staff wishes to confer with the applicant for the reasons listed in the comment section.

COMMENTS:

APPLICATION FOR
METROPOLITAN RIVER PROTECTION ACT CERTIFICATE

1. **Name of Local Government:** City of Johns Creek

2. **Owner(s) of Record of Property to be Reviewed:**
   Name(s): City of Johns Creek
   Mailing Address: 11360 Lakefield Drive
   City: Johns Creek **State:** GA **Zip:** 30097
   Contact Phone Numbers (w/Area Code):
   Daytime Phone: 678-327-4660 **Fax:**
   Other Numbers: 678-512-3239

3. **Applicant(s) or Applicant's Agent(s):**
   Name(s): David King - Barge Design Solutions
   Mailing Address: 6525 The Corners Parkway, Suite 450
   City: Peachtree Corners **State:** GA **Zip:** 30092
   Contact Phone Numbers (w/Area Code):
   Daytime Phone: 678-515-9426 **Fax:**
   Other Numbers: 678-515-9411

4. **Proposed Land or Water Use:**
   Name of Development: Cauley Creek Park
   Description of Proposed Use: Cauley Creek Park will include multi-use trails, recreational fields, and various outdoor facilities. An office building, restrooms, concessions facility, and parking will accommodate the uses of the park.

5. **Property Description (Attach Legal Description and Vicinity Map):**
   Land Lot(s), District, Section, County: L.L. 0435, 0436, 0447, 0448, 0449, 0455, 0456 District 11, Fulton County
   Subdivision, Lot, Block, Street and Address, Distance to Nearest Intersection: 7355 Bell Road; Johns Creek. GA 30097
   Size of Development (Use as Applicable):
   Acres: **Inside Corridor:** 103.9 acres
   Outside Corridor: 37.8 acres
   Total: 141.7 acres
   Lots: **Inside Corridor:** N/A
   Outside Corridor:
   Total:
   Units: **Inside Corridor:** N/A
   Outside Corridor:
   Total:
   Other Size Descriptor (i.e., Length and Width of Easement):
   Inside Corridor: 65 linear feet (LF) of 25' sewer easement; 3,694 LF of 20' sewer/water easements
   Outside Corridor: 1,876 LF of 20' sewer easement
   Total: 65 LF of 25' sewer easement; 5,570 LF of 20' sewer/water easements

6. **Related Chattahoochee Corridor Development:**
   A. **Does the total development include additional land in the Chattahoochee Corridor that is not part of this application?** Yes
   If "yes", describe the additional land and any development plans: Portion of Park is on land reviewed as Quail Hollow Estates Expansion, RC-03-07FC, and is not part of this review.
   B. **Has any part of the property in this application, or any right-of-way or easement bordering this land, previously received a certificate or any other Chattahoochee Corridor review approval?** Yes
   If "yes", please identify the use(s), the review identification number(s), and the date(s) of the review(s): RC-01-007, Cauley Creek Water Reclamation Facility, January 1, 2002

7. **How Will Sewage from this Development be Treated?**
   A. **Septic tank** No
   Note: For proposals with septic tanks, the application must include the appropriate local government health department approval for the selected site.
   B. **Public sewer system** Yes

8. **Summary of Vulnerability Analysis of Proposed Land or Water Use:**

Vulnerability Category	Total Acreage (or Sq. Footage)	Total Acreage (or Sq. Footage) Land Disturbance	Total Acreage (or Sq. Footage) Imperv. Surface	Percent Land Disturb. (Maximums Shown In Parentheses)	Percent Imperv. Surf. (Maximums Shown In Parentheses)
A	-	-	-	(90) -	(75) -
B	80.53 ac	55.72 ac	23.91 ac	(80) 69	(60) 30
C	5.16 ac	1.00 ac	0.52 ac	(70) 19	(45) 10
D	4.15 ac	0.14 ac	0.03 ac	(50) 3	(30) 1
E	14.09 ac	3.86 ac	0.45 ac	(30) 27	(15) 3
F	-	-	-	(10) -	(2) -
Total:	103.93 ac	60.72 ac	24.91 ac	N/A	N/A

9. **Is any of this Land within the 100-Year Floodplain of the Chattahoochee River?** Yes
   If "yes", indicate the 100-year floodplain elevation: 900.75 ft
   NOTE: The 100-year river floodplain is defined as the natural land surface below the one hundred- (100) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
   NOTE: All river 100-year floodplain is assigned to the "E" Category; its allowable allocations can be combined with those of other "E" land in the review. Also, 100-year floodplain cannot be reanalyzed and cannot accept transfers.

10. **Is any of this land within the 500-year floodplain of the Chattahoochee River?** Yes
    If "yes", indicate the 500-year flood plain elevation: 905 ft
    NOTE: The 500-year floodplain is defined as the natural land surface below the five hundred- (500) year flood elevations shown in the Flood Profiles of the most recent floodplain study for the Chattahoochee River approved by the United States Federal Emergency Management Agency for each Corridor jurisdiction.
    NOTE: Plan Standards include a 35-foot height limit above the pre-construction grade within the 500-year floodplain (includes the 100-year floodplain). Adherence to this standard must be noted on the submitted plans (see Part 2.B.(4) of the Chattahoochee Corridor Plan).

11. **The following is a checklist of information required to be attached as part of the application. Individual items may be combined.**

FOR ALL APPLICATIONS:

- [✓] **Description of land in the application and any additional land in the project (attach legal description or surveyed boundaries).**
- [✓] **Name, address, and phone number(s) of owner(s) of record of the land in the application. (Space provided on this form)**
- [✓] **Written consent of all owners to this application. (Space provided on this form)**
- [✓] **Name, address, and phone number(s) of applicant or applicant's agent. (Space provided on this form)**
- [✓] **Description of proposed use(s). (Space provided on this form)**
- [✓] **Existing vegetation plan.**
- [✓] **Proposed grading plan.**
- [✓] **Certified as-builts of all existing land disturbance and impervious surfaces.**
- [✓] **Approved erosion control plan.**
- [✓] **Detailed table of land-disturbing activities. (Both on this form and on the plans)**

☑ Plat-level plan showing (as applicable): lot boundaries; any other sub-areas; all easements and rights-of -way; 100- and 500-year river floodplains; vulnerability category boundaries; topography; any other information that will clarify the review.

☐ Documentation on adjustments, if any.

☑ Cashier's check or money order (for application fee).

FOR SINGLE-STEP APPLICATIONS (NON-SUBDIVISION):

☑ Site plan.

☑ Land-disturbance plan.

FOR TWO-STEP SINGLE-FAMILY SUBDIVISION APPLICATIONS ONLY:

☐ Concept plan.

☐ Lot-by-lot and non-lot allocation tables.

12. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act: (use additional sheets as necessary)

_____

_____

_____ 09/16/21

Signature(s) of Owner(s) of Record — Date

13. I (we), the undersigned, authorize and request review of this application for a certificate under the provisions of the Metropolitan River Protection Act:

_____

_____

David King PE#034642 6/11/2021

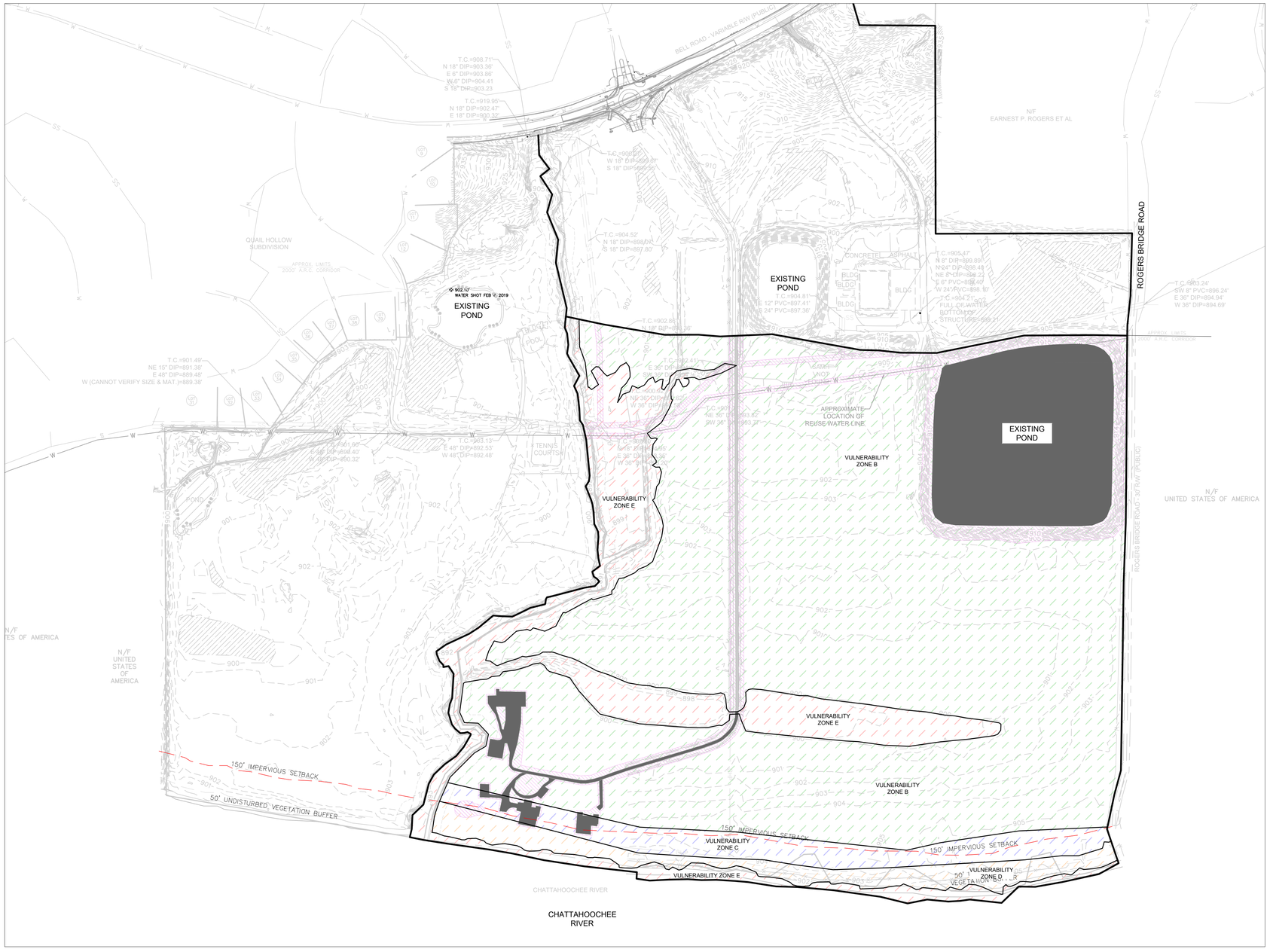
Signature(s) of Applicant(s) or Agent(s) — Date

14. The governing authority of City of Johns Creek requests review by the Atlanta Regional Commission of the above-described use under the Provisions of the Metropolitan River Protection Act.

_____ 9/16/21

Signature of Chief Elected Official or Official's Designee — Date

RC-01-007 VULNERABILITY ZONE CALCULATIONS												
VULNERABILITY CATEGORY	TOTAL AREA (ACRES)	AREA OF EXISTING LAND DISTURBANCE (ACRES)	AREA OF PROPOSED LAND DISTURBANCE (ACRES)	AREA OF TOTAL LAND DISTURBANCE (ACRES)	MAXIMUM PERCENT LAND DISTURBANCE ALLOWABLE	PERCENT LAND DISTURBANCE	AREA OF EXISTING IMPERVIOUS (ACRES)	AREA OF IMPERVIOUS TO BE REMOVED (ACRES)	AREA OF PROPOSED IMPERVIOUS (ACRES)	AREA OF TOTAL IMPERVIOUS (ACRES)	MAXIMUM PERCENT IMPERVIOUS ALLOWABLE	PERCENT IMPERVIOUS
B	80.53	17.12	38.6	55.72	80%	69%	10.94	0.34	13.31	23.91	60%	30%
C	5.16	0.48	0.52	1.00	70%	19%	0.32	0.00	0.20	0.52	45%	10%
D	4.15	0.08	0.06	0.14	50%	3%	0.01	0.00	0.02	0.03	30%	1%
E (FLOODPLAIN)	14.09	0.40	3.46	3.86	30%	27%	0.01	0.00	0.44	0.45	15%	3%
TOTAL	103.93	18.08	42.64	60.72			11.28	0.34	13.97	24.91		



LEGEND

- EXISTING WETLAND
- IMPERVIOUS MATERIAL TO REMAIN
- IMPERVIOUS MATERIAL TO BE REMOVED
- EXISTING CLEARING LIMITS

VULNERABILITY CATEGORIES

- B
- C
- D
- E (FLOODPLAIN)

N

Know what's **below**
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www.call811.com

PERMIT #: 21-487
PROJECT ADDRESS: 7255 BELL ROAD, JOHNS CREEK, GA 30097
LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

BARGE DESIGN SOLUTIONS
2839 Paces Ferry Road // Suite 850 // Atlanta, GA 30339
PHONE (770) 626-7631 // FAX (770) 805-0903

Johns Creek
be the exception

PRELIMINARY NOT FOR CONSTRUCTION

DATE

EXISTING IMPERVIOUS MRPA EXHIBIT

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

REV.	DR.	CHK.	DATE	DESCRIPTION
A			07/16/2020	30% CONSTRUCTION DOCUMENTS
B			11/02/2020	60% CONSTRUCTION DOCUMENTS
C			12/18/2020	75% CONSTRUCTION DOCUMENTS
D			02/23/2021	90% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

EX-1

FILE NO. 38106-02

USER: CLDANNS
FILE: C:\BDS\38106\38106\04\04_CAD\CIVIL\PLOT\38106\04_Exhibit 1&2.dwg
SAVED: 6/24/2021
PLOTTED: 6/24/2021

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RC-01-007 VULNERABILITY ZONE CALCULATIONS

VULNERABILITY CATEGORY	TOTAL AREA (ACRES)	AREA OF EXISTING LAND DISTURBANCE (ACRES)	AREA OF PROPOSED LAND DISTURBANCE (ACRES)	AREA OF TOTAL LAND DISTURBANCE (ACRES)	MAXIMUM PERCENT LAND DISTURBANCE ALLOWABLE	PERCENT LAND DISTURBANCE	AREA OF EXISTING IMPERVIOUS (ACRES)	AREA OF IMPERVIOUS TO BE REMOVED (ACRES)	AREA OF PROPOSED IMPERVIOUS (ACRES)	AREA OF TOTAL IMPERVIOUS (ACRES)	MAXIMUM PERCENT IMPERVIOUS ALLOWABLE	PERCENT IMPERVIOUS
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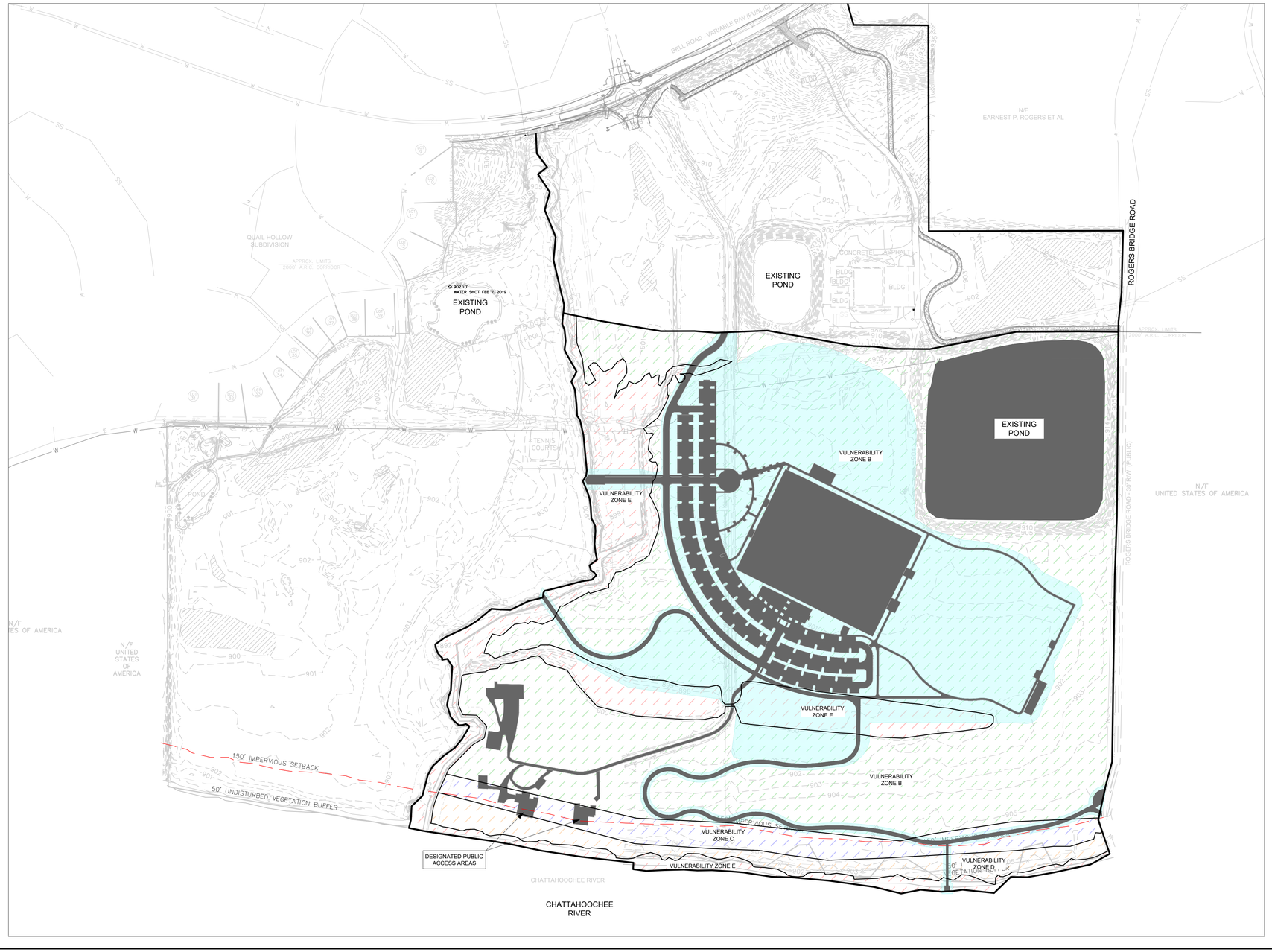

LEGEND

- EXISTING WETLAND
- IMPERVIOUS MATERIAL
- PROPOSED CLEARING LIMITS

VULNERABILITY CATEGORIES

- B
- C
- D
- E (FLOODPLAIN)

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Johns Creek
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PRELIMINARY
NOT FOR
CONSTRUCTION

DATE

PROPOSED IMPERVIOUS MRPA EXHIBIT

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

REV.	DR.	CHK.	DATE	DESCRIPTION
A			07/16/2020	30% CONSTRUCTION DOCUMENTS
B			11/02/2020	60% CONSTRUCTION DOCUMENTS
C			01/15/2021	90% CONSTRUCTION DOCUMENTS
D			02/25/2021	99% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

EX-2

FILE NO. 38106-02

USER:CLRAINS
FILE:S:\38106\38106\38106\04\04_CAD\CIVIL\PLOT\38106\04_Exhibit 1&2.dwg
SAVED:6/25/2021
PLOTTED:6/25/2021

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CAULEY CREEK PARK SITE IMPROVEMENTS

CITY OF JOHNS CREEK, GA

Johns Creek
be the exception

BARGE DESIGN SOLUTIONS

JAN. 20, 2021
PROJECT No. 38106-02

REVISED PER LDP COMMENTS 05/14/2021

INDEX OF DRAWINGS

GENERAL

SHEET NO.	DESCRIPTION	REV.	DATE
G0.00	COVER SHEET	F	05/14/2021

CIVIL

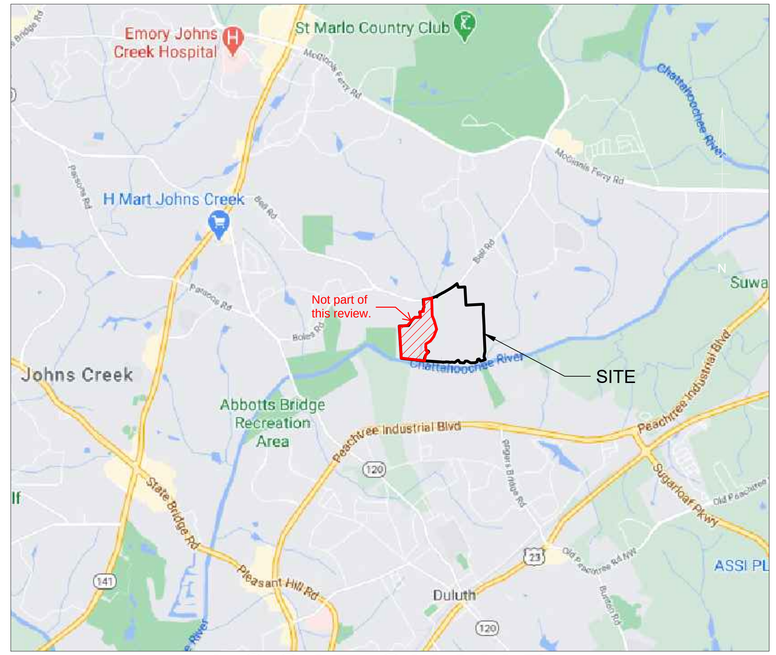
SHEET NO.	DESCRIPTION	REV.	DATE
C0.01	GENERAL NOTES	F	05/14/2021
C0.21	EXISTING CONDITIONS	F	05/14/2021
C0.41 - C0.42	DEMOLITION PLAN	F	05/14/2021
C1.00	OVERALL KEY PLAN	F	05/14/2021
C1.01 - C1.08	SITE LAYOUT & UTILITY PLANS	F	05/14/2021
C1.10 - C1.15	ENLARGED SITE PLANS	F	05/14/2021
C2.01 - C2.08	SITE GRADING & DRAINAGE PLANS	F	05/14/2021
C2.10 - C2.15	ENLARGED GRADING & DRAINAGE PLANS	F	05/14/2021
C2.20 - C2.21	STRUCTURE & PIPE TABLES	F	05/14/2021
C4.01 - C4.03	SANITARY SEWER PLAN & PROFILE	F	05/14/2021
C4.21 - C4.23	STORM DRAINAGE PLAN & PROFILE	F	05/14/2021
C5.01 - C5.03	ROADWAY PLAN & PROFILE	F	05/14/2021
EC221-EC226	ESC NOTES	F	05/14/2021
EC101-EC103	INITIAL ESC PLAN	F	05/14/2021
EC201-EC203	INTERMEDIATE ESC PLAN	F	05/14/2021
EC301-EC303	FINAL ESC PLAN	F	05/14/2021
EC731-EC734	ESC DETAILS	F	05/14/2021

~~LANDSCAPE~~

SHEET NO.	DESCRIPTION	REV.	DATE
TP0.0-TP1.01	TREE PROTECTION PLAN	F	05/14/2021
L1.00	OVERALL LANDSCAPE PLAN	F	05/14/2021
L1.01 - L1.08	TREE PLANTING PLAN	F	05/14/2021
L1.09 - L1.12	ENLARGED LANDSCAPE PLAN	F	05/14/2021
L7.01 - L7.02	LANDSCAPE DETAILS / NOTES / SCHEDULE	F	05/14/2021

MRPA

EX-1	EXISTING IMPERVIOUS - MRPA EXHIBIT		02/23/2021
EX-2	PROPOSED IMPERVIOUS - MRPA EXHIBIT		02/23/2021



LOCATION MAP

NOT TO SCALE

All requirements of the City of Johns Creek Development Regulations relative to the preparation and submission of a Land Disturbance Permit application having been fulfilled, and said application and all supporting plans and data having been reviewed and approved by all affected city departments as required under their respective and applicable regulations, approval is hereby granted of this Site Plan and all other development plans associated with this project subject to all further provisions of said Development and other City Regulations.

_____ ___/___/___

Director Department of Community Development **Date**

The Land Disturbance Permit is issued at pre-construction meeting. A pre-construction meeting must be held by (Date) ____/_____/_____ which is within 180 days of permit application unless written request for an extension is received and approved by the Director. The land disturbance permit shall expire 180 calendar days after issuance unless development activity as authorized by the permit is initiated within that time period or if such authorized activities lapse and the project is abandoned for a period exceeding 180 consecutive calendar days after the work has commenced. The director is authorized to grant a written request for an extension.

PROJECT ADDRESS:
7255 BELL ROAD
JOHNS CREEK, GA 30097
PIN: 11 120004350701
LDP#:
LAND LOT #: 435, 436, 455, 456, F48, F49
TOTAL ACREAGE: 189.7 AC.
DISTURBED ACREAGE: 53.0 AC.

CITY OF JOHNS CREEK CONTACT:
ERICA S. MADSEN, PE
CITY ENGINEER
OFFICE 678-512-3264
EMAIL ERICA.MADSEN@JOHNSCREEKGA.GOV

FULTON COUNTY PROJECT # 21-026 WR

JOHNS CREEK PERMIT # 21-487

WASTEWATER & WATER SERVICES PROVIDED BY FULTON COUNTY

BARGE DESIGN SOLUTIONS
2839 Paces Ferry Road // Suite 850 // Atlanta, GA 30339
PHONE (770) 628-7631 // FAX (770) 805-0903

NFPA 101 LIFE SAFETY CODE (LSC); 2018 ED.: RULES AND REGULATIONS FOR THE STATE MINIMUM FIRE SAFETY STANDARDS; CHAP. 120-3-3 MODIFICATIONS; 2020 ED.: GEORGIA ACCESSIBILITY CODE 120-3-20A; 2010 ED.: INTERNATIONAL FIRE CODE (IFC) ; 2018 ED.: INTERNATIONAL BUILDING CODE (IBC); 2018 ED.

CAULEY CREEK PARK SITE IMPROVEMENTS
CITY OF JOHNS CREEK, GA

G0.00
PROJECT No. 38106-02

USER:BSPETERSON
FILE:F:\38\38106\38106026A_CAD\GENL\38106_G001.dwg
SAVED:6/14/2021
PLOTTED:6/14/2021

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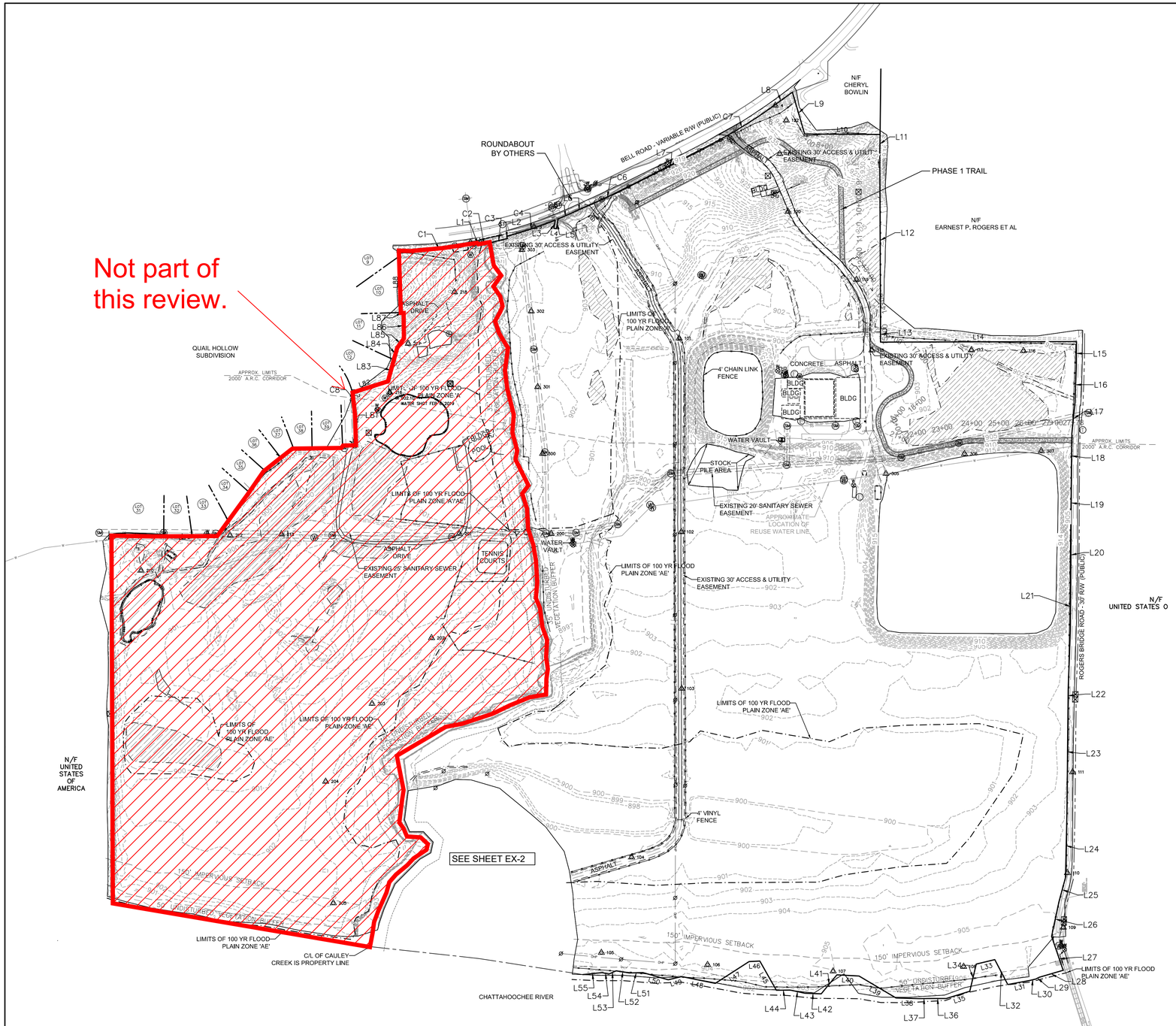

LEGEND

(00)	PARCEL NO.
	LOT NO.
IR(O)	IRON ROD (OLD)
IR(N)	IRON ROD (SET)
	PROPERTY LINE
520	CONTOUR LINE (MAJOR)
519	CONTOUR LINE (MINOR)
UGE	UNDERGROUND ELECTRIC LINE
OH	OVERHEAD POWER LINE
12"SA	SANITARY SEWER LINE
15"ST	STORM SEWER LINE
8"W	WATER LINE
ER	ELECTRIC RISER
EBOX	ELECTRIC METER / VAULT
	TRAFFIC SIGNAL POST
	UTILITY POLE
	GUY WIRE
TBOX	TRAFFIC SIGNAL BOX
	SANITARY SEWER MANHOLE
	STORM SEWER MANHOLE
	CURB INLET
	CATCH BASIN
	CLEANOUT
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	SIGN POST
	BOLLARD
	WETLANDS
	PRIVATE PROPERTY

CURVE TABLE

#	Length	Radius	Chord Length	Chord Bearing
C1	291.17	1582.56	290.76	N83° 21' 18"E
C2	45.79	1588.44	45.78	N80° 12' 50"E
C3	66.00	1588.44	66.00	N76° 24' 03"E
C4	189.79	1580.00	189.68	N71° 30' 55"E
C5	59.64	1580.00	59.64	N66° 34' 04"E
C6	176.99	1994.31	176.93	N64° 47' 17"E
C7	246.12	1762.04	245.92	N58° 31' 45"E
C8	57.22	265.00	57.11	N08° 17' 26"W

LINE TABLE

#	Length	Direction	#	Length	Direction
L1	8.45	S10° 13' 01"E	L41	91.58	S39° 30' 42"W
L2	8.44	N14° 29' 58"W	L42	60.93	N87° 55' 46"W
L3	30.77	S09° 13' 38"W	L43	55.65	N77° 45' 41"W
L4	10.00	S81° 02' 17"E	L44	51.44	S89° 14' 39"W
L5	36.82	N09° 13' 38"E	L45	124.93	N29° 36' 23"W
L6	52.25	N65° 29' 11"E	L46	40.16	S87° 19' 58"W
L7	351.44	N62° 53' 35"E	L47	149.40	S57° 05' 19"W
L8	106.84	N54° 05' 04"E	L48	127.64	N78° 29' 14"W
L9	162.27	S16° 14' 16"E	L49	51.43	S76° 33' 40"W
L10	280.72	S89° 37' 23"E	L50	97.66	N74° 13' 02"W
L11	70.44	S00° 43' 24"W	L51	50.25	S88° 34' 56"W
L12	646.72	S00° 13' 30"E	L52	50.16	N81° 07' 59"W
L13	54.95	S00° 01' 01"E	L53	30.04	S65° 53' 19"W
L14	729.08	N89° 51' 31"E	L54	24.84	N76° 59' 42"W
L15	87.63	S00° 36' 11"W	L55	72.76	S84° 27' 11"W
L16	145.78	S02° 01' 23"W	L56	272.93	N03° 42' 09"E
L17	108.41	S06° 02' 04"W	L57	56.42	N23° 56' 15"W
L18	167.87	S00° 34' 17"W	L58	264.58	N03° 42' 13"E
L19	181.53	S00° 17' 55"W	L59	383.78	N73° 39' 43"W
L20	205.91	S00° 23' 22"W	L60	264.07	N89° 08' 27"W
L21	178.08	S00° 34' 20"W	L61	48.92	S71° 35' 49"W
L22	220.65	S02° 02' 46"W	L62	112.92	S07° 20' 52"W
L23	461.31	S00° 34' 38"W	L63	64.29	S23° 36' 34"E
L24	237.41	S01° 18' 55"W	L64	55.46	N89° 55' 09"E
L25	93.15	S15° 10' 14"W	L65	35.69	S43° 03' 44"E
L26	131.42	S11° 57' 55"W	L66	24.08	S12° 09' 13"W
L27	133.27	S18° 47' 07"E	L67	41.99	S59° 58' 29"W
L28	92.63	S73° 40' 45"W	L68	135.45	S44° 51' 39"W
L29	14.51	S62° 20' 58"W	L69	106.54	S23° 51' 00"W
L30	23.22	S77° 21' 26"W	L70	55.74	S18° 45' 21"W
L31	82.97	S79° 25' 42"W	L71	94.59	S10° 26' 41"W
L32	104.69	N27° 26' 07"W	L72	970.18	N80° 18' 43"W
L33	70.88	S76° 13' 30"W	L73	25.69	N00° 14' 19"W
L34	103.68	S13° 22' 03"W	L74	1340.64	N00° 14' 19"W
L35	91.45	S72° 43' 31"W	L75	392.76	S89° 29' 33"E
L36	64.43	N89° 48' 24"W	L76	302.41	N35° 34' 40"E
L37	37.54	S89° 20' 58"W	L77	135.42	N53° 19' 16"E
L38	85.23	N88° 32' 35"W	L78	181.72	N89° 32' 16"E
L39	159.94	N59° 17' 43"W	L79	9.73	N02° 21' 50"E
L40	82.47	N86° 50' 26"W	L80	50.00	N89° 37' 33"E
			L81	141.68	N02° 06' 14"W
			L82	139.09	N72° 49' 27"E
			L83	81.87	N14° 19' 53"E
			L84	45.73	N14° 19' 53"E
			L85	42.37	N37° 00' 35"E
			L86	97.53	N00° 22' 17"W
			L87	10.78	S88° 21' 47"W
			L88	226.64	N00° 24' 38"W

Control Point Table

Pt. #	Description	Northing	Easting	Elev.
3	1/2 IN. RBR CALYX	1468832.72	2302305.71	915.06
4	1/2 IN. RBR CALYX	1469284.94	2303203.38	932.84
5	1/2 IN. RBR CALYX	1469947.88	2303797.58	965.08
101	5/8 IN. RBR BARGE	1468418.81	2302845.62	903.27
102	5/8 IN. RBR BARGE	1467698.82	2302853.49	902.57
103	5/8 IN. RBR BARGE	1467116.17	2302855.14	903.22
104	5/8 IN. RBR BARGE	1466488.71	2302668.91	900.61
105	5/8 IN. RBR BARGE	1466133.95	2302556.30	903.16
106	5/8 IN. RBR BARGE	1466088.89	2302951.24	904.01
107	5/8 IN. RBR BARGE	1466064.92	2303418.19	904.70
108	5/8 IN. RBR BARGE	1466082.24	2303903.62	905.69

Control Point Table

Pt. #	Description	Northing	Easting	Elev.
109	5/8 IN. RBR BARGE	1466227.72	2304274.23	904.85
110	5/8 IN. RBR BARGE	1466430.39	2304289.56	904.65
111	5/8 IN. RBR BARGE	1466805.61	2304309.20	904.03
116	5/8 IN. RBR BARGE	1468371.98	2304126.26	902.30
117	5/8 IN. RBR BARGE	1468375.16	2303932.60	901.81
118	5/8 IN. RBR BARGE	1468374.45	2303562.34	903.62
119	5/8 IN. RBR BARGE	1468637.49	2303505.39	902.31
120	5/8 IN. RBR BARGE	1468890.04	2303250.97	913.06
121	5/8 IN. RBR BARGE	1469104.77	2303219.83	934.02
122	5/8 IN. RBR BARGE	1469229.58	2303244.03	942.01
200	5/8 IN. RBR BARGE	1467692.35	2302369.95	900.95

Control Point Table

Pt. #	Description	Northing	Easting	Elev.
201	5/8 IN. RBR BARGE	1467692.24	2302027.62	902.40
202	5/8 IN. RBR BARGE	1467304.38	2301924.72	903.26
203	5/8 IN. RBR BARGE	1467059.85	2301703.51	903.16
204	5/8 IN. RBR BARGE	1466770.63	2301530.88	903.77
205	5/8 IN. RBR BARGE	1466317.97	2301559.41	902.94
210	5/8 IN. RBR BARGE	1467555.37	2300844.32	901.12
211	5/8 IN. RBR BARGE	1467678.56	2300997.15	900.92
212	5/8 IN. RBR BARGE	1467686.25	2301175.24	901.16
213	5/8 IN. RBR BARGE	1467690.08	2301366.29	900.16
216	5/8 IN. RBR BARGE	1468217.70	2301769.03	905.50
217	5/8 IN. RBR BARGE	1468399.13	2301837.82	916.69

Control Point Table

Pt. #	Description	Northing	Easting	Elev.
218	5/8 IN. RBR BARGE	1468590.94	2302010.17	924.88
219	5/8 IN. RBR BARGE	1468775.48	2302069.60	919.80
300	5/8 IN. RBR BARGE	1467989.71	2302337.58	901.52
301	5/8 IN. RBR BARGE	1468238.20	2302319.57	902.45
302	5/8 IN. RBR BARGE	1468519.65	2302295.49	903.90
303	5/8 IN. RBR BARGE	1468748.18	2302260.81	904.60
305	5/8 IN. RBR BARGE	1467915.73	2303614.69	915.35
306	5/8 IN. RBR BARGE	1467989.24	2303906.87	915.49
307	5/8 IN. RBR BARGE	1467999.48	2304192.27	915.16

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PERMIT #: 21-487
PROJECT ADDRESS: 7255 BELL ROAD, JOHNS CREEK, GA 30097
LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

N

100' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

REV	DR.	CHK	DATE	DESCRIPTION
A	BSP	TWG	07/16/2020	30% CONSTRUCTION DOCUMENTS
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D			02/22/2021	90% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

BARGE DESIGN SOLUTIONS

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PRELIMINARY NOT FOR CONSTRUCTION

DATE

EXISTING CONDITIONS

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

C0.21

FILE NO. 38106-02

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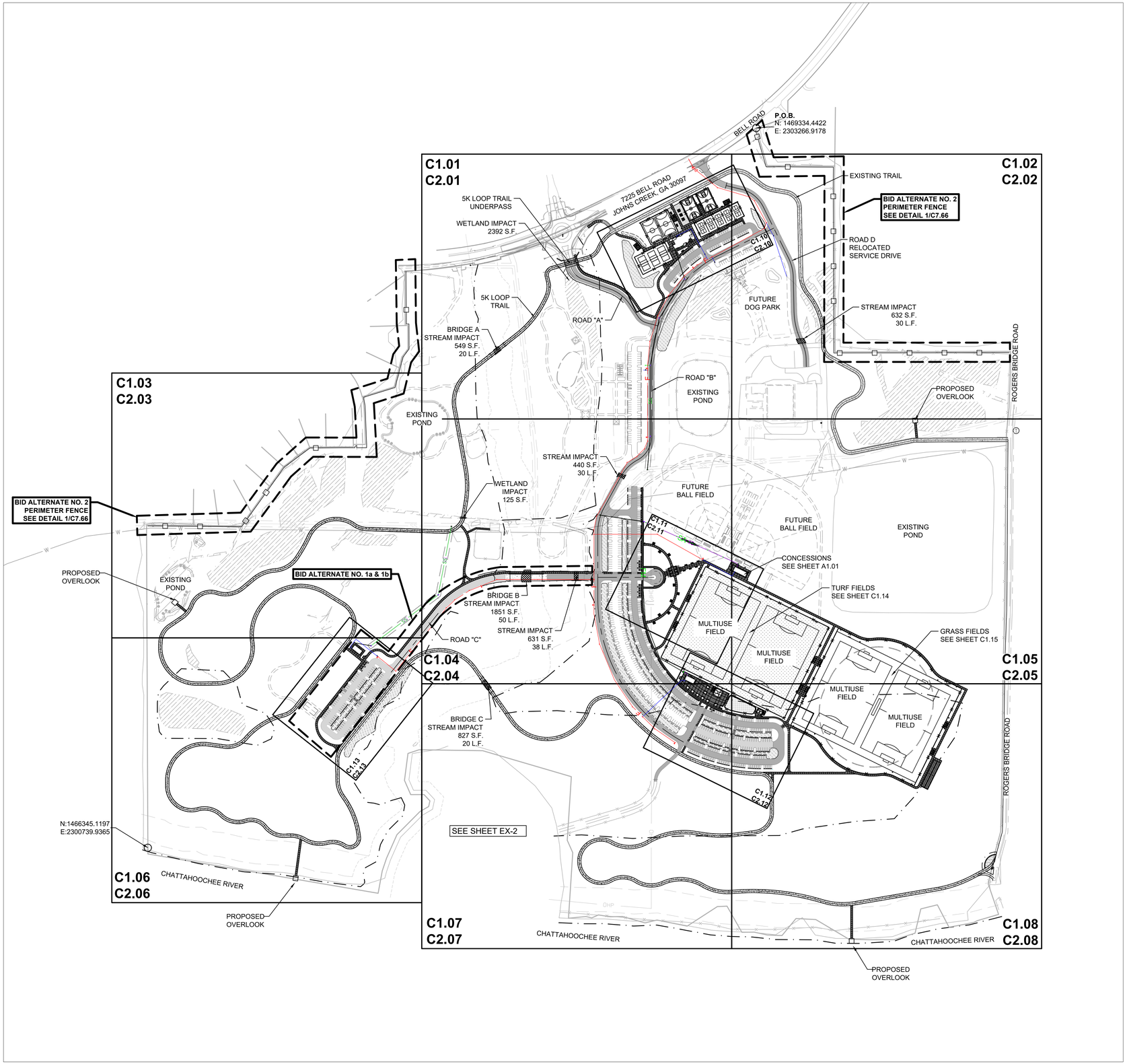
PLOTTED:6/14/2021



GENERAL NOTES

1. SEE GENERAL NOTES ON SHEET C0.02.
2. ALL RADII COORDINATES ARE TO THE CENTER OF RADIUS.
3. BUILDING COORDINATES ARE TO THE OUTSIDE CORNER OF THE BUILDING.
4. ASPHALT PAVING TO MATCH, AS CLOSE AS FEASIBLE, TO EXISTING.
5. TO PRESERVE EXISTING TREES WHEN POSSIBLE, CONTRACTOR TO FIELD LOCATE CENTER LINE OF TRAIL AND ADJUST AS NECESSARY (MAINTAINING 5K LENGTH) AND NOTIFY A/E OF CHANGES.

LEGEND

- CONCRETE SIDEWALK / CONNECTOR TRAIL (SEE DETAIL 1/C7.51)
- MULTI-USE LOOP TRAIL (SEE DETAIL 1/C7.52)
- STANDARD DUTY ASPHALT PAVEMENT (SEE DETAIL 1/C7.01)
- HEAVY DUTY ASPHALT PAVEMENT (SEE DETAIL 2/C7.01)
- SYNTHETIC TURF (SEE SHEET C7.59)
- EXISTING WETLANDS
- STORMWATER BMP

PARKING SUMMARY TABLE	
USE	NUMBER OF PARKING SPACES
COURTS AREA	67
ATHLETIC FIELDS	347
EXISTING TREATMENT FACILITY	30
PLAYGROUND/5K STAGING AREA	118
ADA	18
TOTAL	511

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GEORGIA WEST STATE PLANE

N

PERMIT #: 21-487
PROJECT ADDRESS: 7255 BELL ROAD, JOHNS CREEK, GA 30097
LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

REV.	DR.	CHK.	DATE	DESCRIPTION
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BARGE DESIGN SOLUTIONS
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PHONE (770) 626-7631 // FAX (770) 805-0903

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CONSTRUCTION

DATE

OVERALL KEY PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

C1.00

FILE NO. 38106-02

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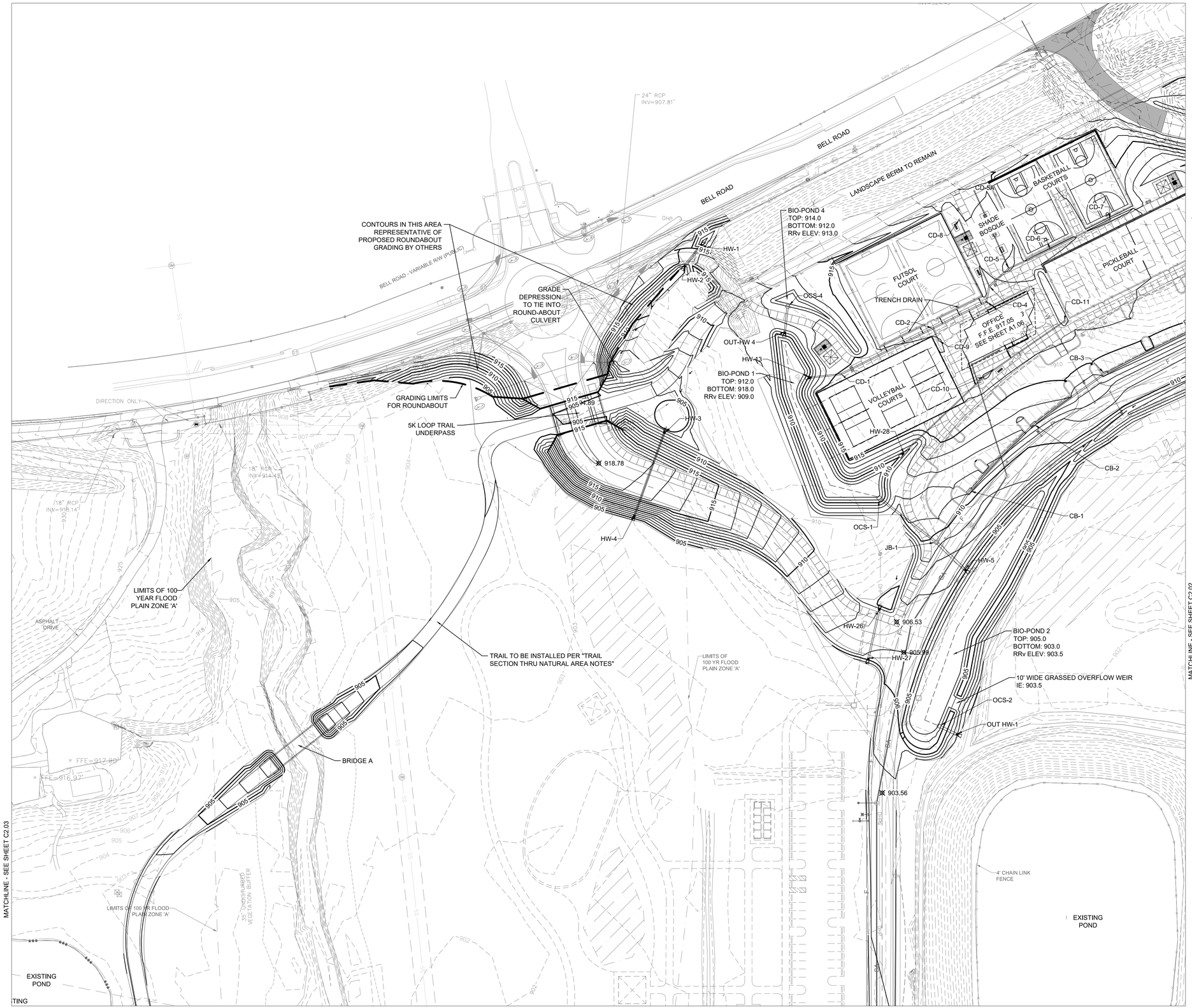
PLOTTED:5/13/2021



GRADING & DRAINAGE NOTES

1. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR TO INSTALL STORMWATER STRUCTURE CASTINGS FLUSH WITH FINISHED GRADE.
3. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR HARDSCAPE ALONG BUILDING FRONTAGE.
4. SEE SHEET C2.20 & C2.21 FOR STRUCTURE AND PIPE TABLES.
5. CONTRACTOR TO ENSURE THERE ARE NO PROJECTING HEADWALLS OR FLARED END SECTIONS. PIPE END TREATMENTS SHALL BE GRADED INTO ADJACENT SLP0ES.

TRAIL SECTION THRU NATURAL AREA NOTES:

1. CONTRACTOR TO STAKE TRAIL CENTERLINE AT SUFFICIENT SPACING TO ALLOW REVIEW AND APPROVAL BY OWNER AND A/E SO THAT KEY LAYOUT AND DRAINAGE ISSUES CAN BE DISCUSSED PRIOR TO CONSTRUCTION.
2. ONCE FINAL TRAIL LAYOUT IS DETERMINED, CONTRACTOR TO CLEAR 25' WIDE PATH, STRIP 4" OF TOPSOIL, AND CUT ALL ROOTS WITHIN 12" OF TOP OF BASE WITH A SAW AT A POINT NO CLOSER THAN 2' TO EDGE OF TRAIL.
3. FILL TRAIL SECTION AREA AS REQUIRED TO ACHIEVE A FINISHED TRAIL SURFACE AREA A MINIMUM 6" ABOVE EXISTING GRADE.
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5. MAXIMUM LONGITUDINAL SLOPE SHALL BE 5%.
6. MAXIMUM CROSS SLOPE SHALL BE 2%.

LEGEND

- STORMWATER BMP
- PROPOSED CONTOURS
- EXISTING CONTOURS
- F — 8" D.I.P. WATERMAIN (FIRE AND DOMESTIC)
- SS — 8" SEWER MAIN
- SA — 6" SEWER LATERAL
- PERIMETER FENCE

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PERMIT #: 21-487
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LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

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Johns Creek *be the exception*

PRELIMINARY NOT FOR CONSTRUCTION

DATE

GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

REV.	DR.	CHK.	DATE	DESCRIPTION
A	BSP	TWG	07/16/2020	30% CONSTRUCTION DOCUMENTS
B	BSP	TWG	11/02/2020	60% CONSTRUCTION DOCUMENTS
C			01/15/2021	75% CONSTRUCTION DOCUMENTS
D			02/25/2021	90% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

C2.01

FILE NO. 38106-02

USER:BSPETERSON
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SAVED:5/14/2021
PLOTTED:5/14/2021

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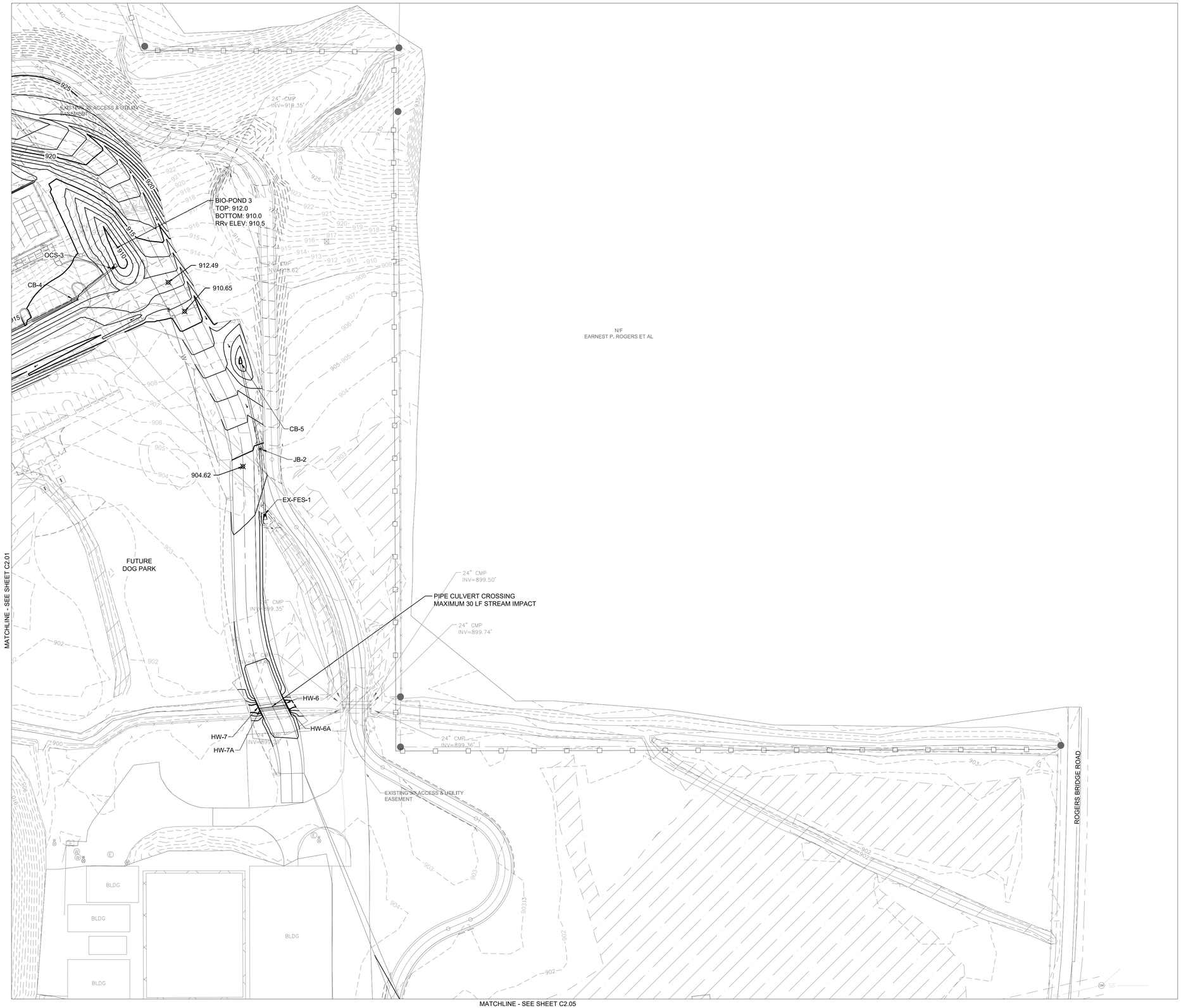

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PANEL NO. 13121 C0092G
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DATUM: GSP -WEST

BENCHMARK:

GEORGIA WEST STATE PLANE

N

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

C2.02

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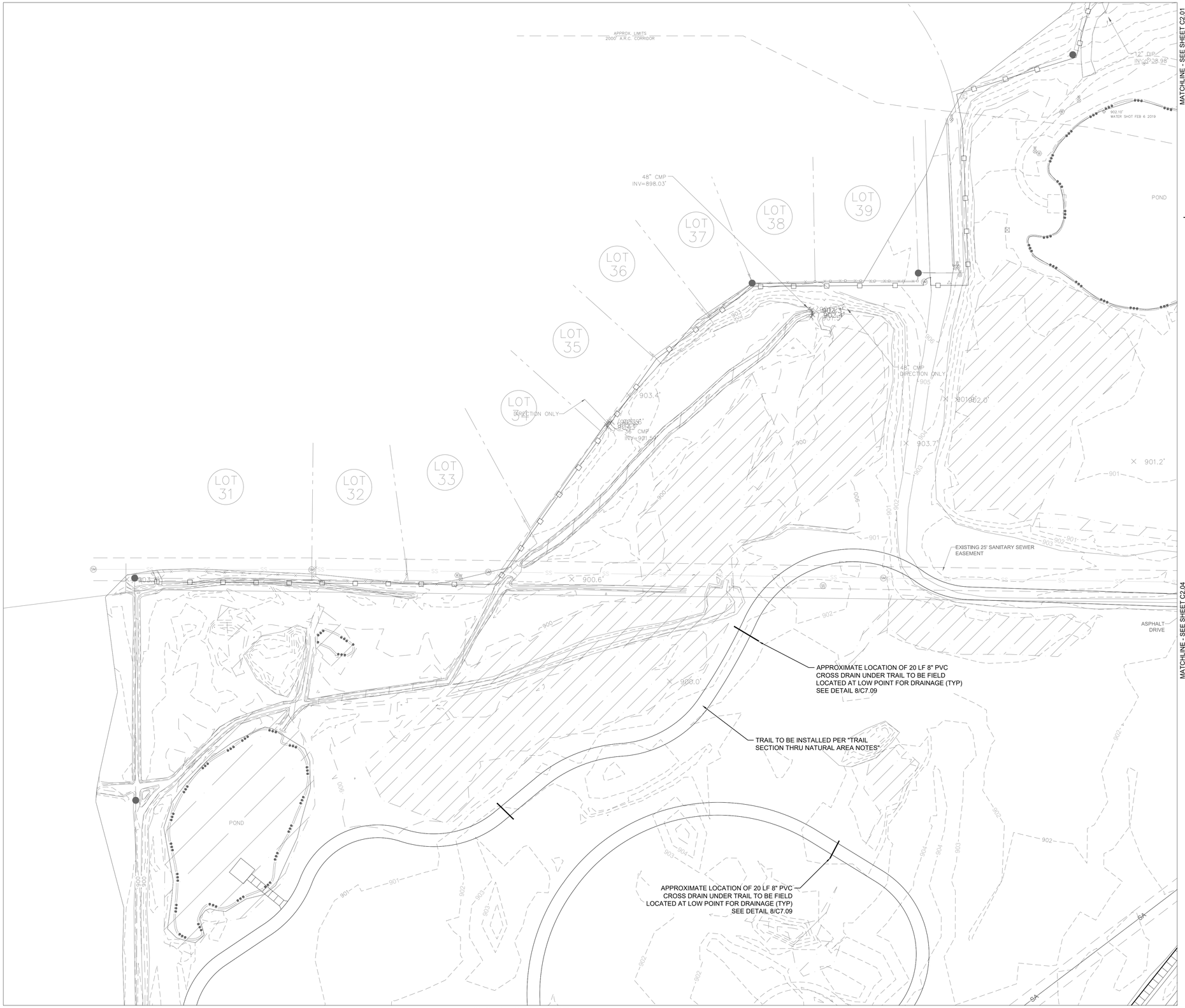
PLOTTED:5/14/2021



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GEORGIA WEST STATE PLANE

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PERMIT #: 21-487
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LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

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DATE

GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

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D			02/22/2021	99% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

C2.03

FILE NO. 38106-02

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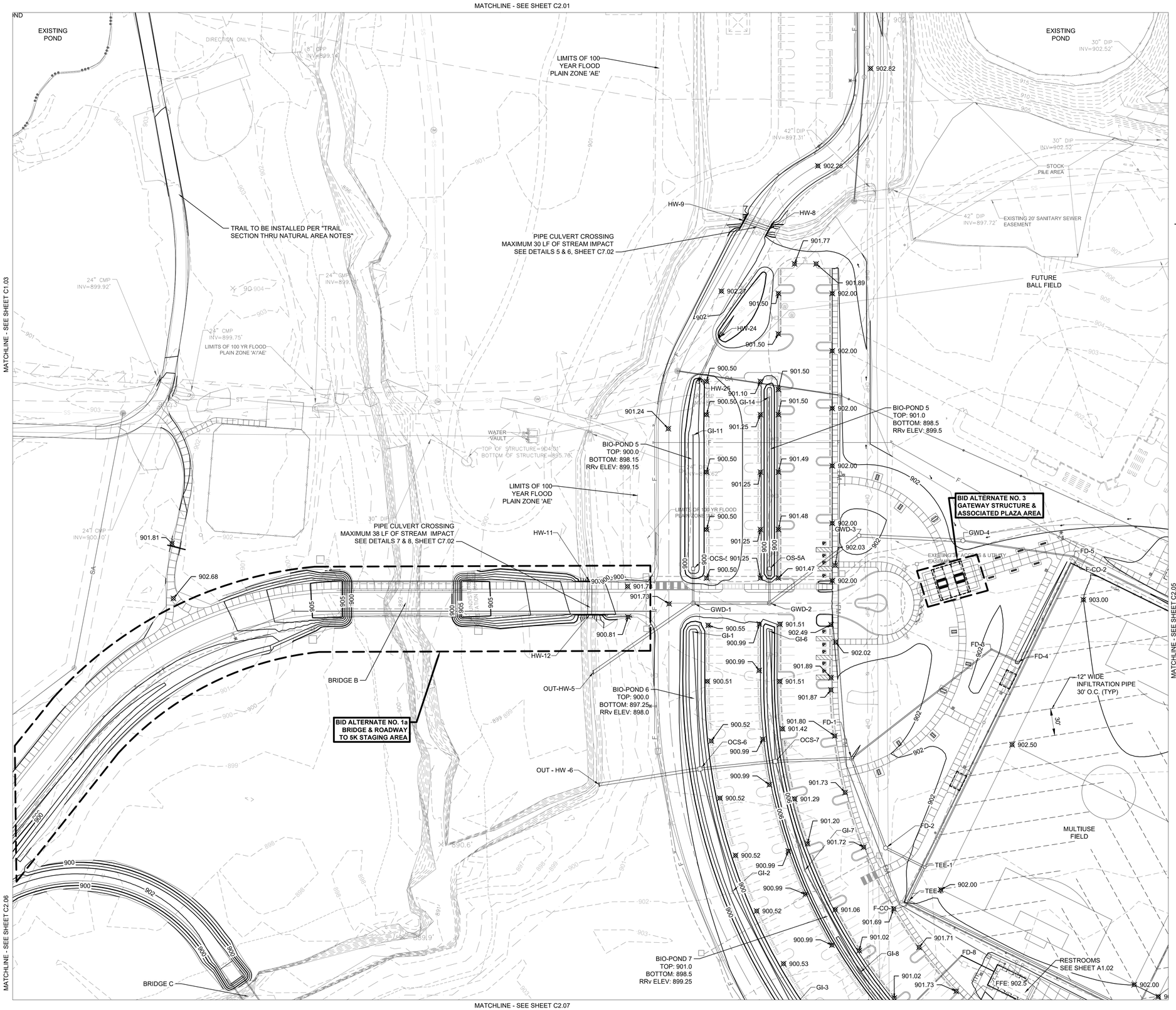

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3. FILL TRAIL SECTION AREA AS REQUIRED TO ACHIEVE A FINISHED TRAIL SURFACE AREA A MINIMUM 6" ABOVE EXISTING GRADE.
4. 10" PVC PIPE TO BE USED AT ENCOUNTERED LOW POINTS FOR CROSS DRAINAGE. TRAIL SURFACE MAY ELEVATE AT THE LOW POINTS TO PROVIDE SUFFICIENT PIPE COVER.
5. MAXIMUM LONGITUDINAL SLOPE SHALL BE 5%.
6. MAXIMUM CROSS SLOPE SHALL BE 2%.

LEGEND

	STORMWATER BMP
	PROPOSED CONTOURS
	EXISTING CONTOURS
F	8" D.I.P. WATERMAIN (FIRE AND DOMESTIC)
SS	8" SEWER MAIN
SA	6" SEWER LATERAL
	PERIMETER FENCE
TOW 915.16	TOP OF WALL ELEVATION
BOW 915.16	BOTTOM OF WALL ELEVATION
915.16	SPOT ELEVATION * SPOTS SHOWN IN PARKING LOT ARE TO THE BOTTOM OF CURB

Know what's **below**
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PERMIT #: 21-487
PROJECT ADDRESS: 7255 BELL ROAD, JOHNS CREEK, GA 30097
LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

BARGE DESIGN SOLUTIONS
2839 Paces Ferry Road // Suite 850 // Atlanta, GA 30339
PHONE (770) 828-7831 // FAX (770) 805-0903

Johns Creek *be the exception*

PRELIMINARY NOT FOR CONSTRUCTION

DATE

GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

REV.	DR.	CHK.	DATE	DESCRIPTION
A	BSP	TWG	07/16/2020	30% CONSTRUCTION DOCUMENTS
B	BSP	TWG	11/02/2020	60% CONSTRUCTION DOCUMENTS
C			12/18/2020	75% CONSTRUCTION DOCUMENTS
D			02/25/2021	90% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

C2.04

FILE NO. 38106-02

USER:BSPETERSON
FILE:C:\38106\38106\02\04_CAD\CIVIL\PLOT\38106\02_C201-C208_GRADING.dwg
SAVED:5/14/2021
PLOTTED:5/14/2021

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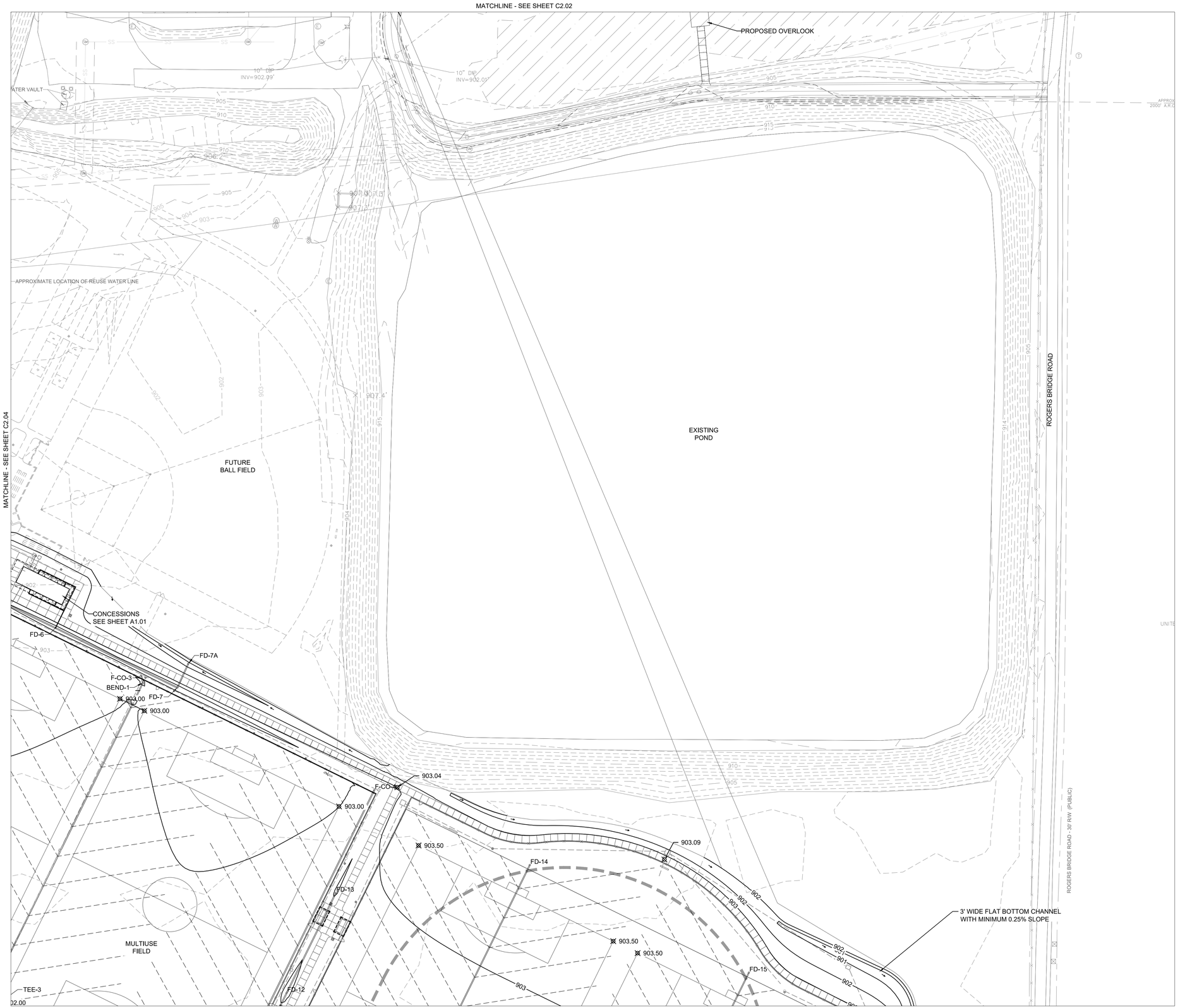

GRADING & DRAINAGE NOTES

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2. CONTRACTOR TO INSTALL STORMWATER STRUCTURE CASTINGS FLUSH WITH FINISHED GRADE.
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4. SEE SHEET C2.20 & C2.21 FOR STRUCTURE AND PIPE TABLES.
5. CONTRACTOR TO ENSURE THERE ARE NO PROJECTING HEADWALLS OR FLARED END SECTIONS. PIPE END TREATMENTS SHALL BE GRADED INTO ADJACENT SLP0ES.

LEGEND

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GEORGIA WEST STATE PLANE

N

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PHONE (770) 828-7831 // FAX (770) 805-0503

Johns Creek
be the exception

PRELIMINARY
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GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

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F			05/14/2021	REVISED PER LDP COMMENTS

C2.05

FILE NO. 38106-02

USER: BSPETERSON
FILE: S:\38106\38106-02\Dwg\38106020A_CAD\CIVIL\PLOT\3810602_C201-C209_GRADING.dwg
SAVED: 5/14/2021
PLOTTED: 5/14/2021

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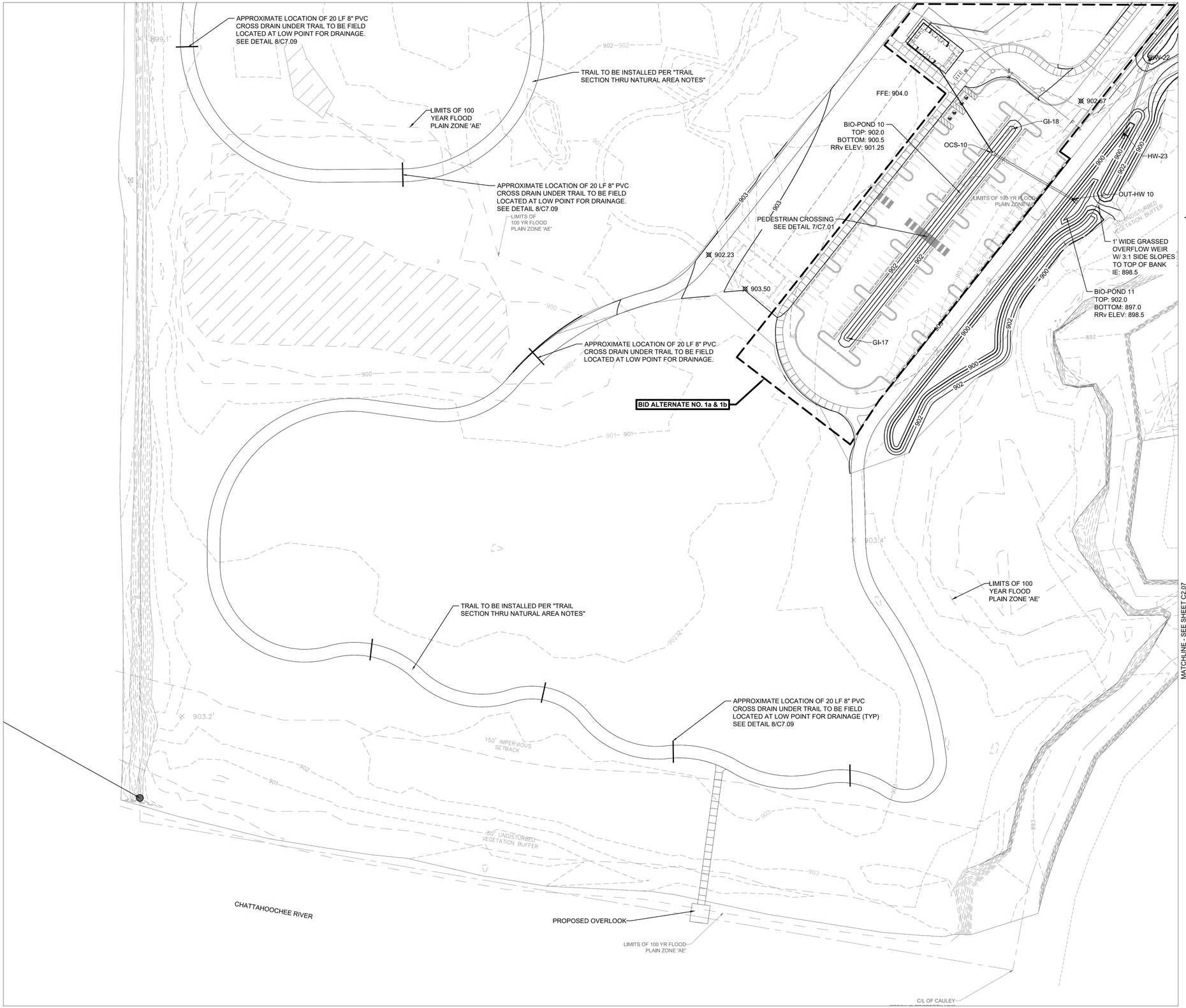

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GEORGIA WEST STATE PLANE

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PRELIMINARY NOT FOR CONSTRUCTION

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GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

C2.06

FILE NO. 38106-02

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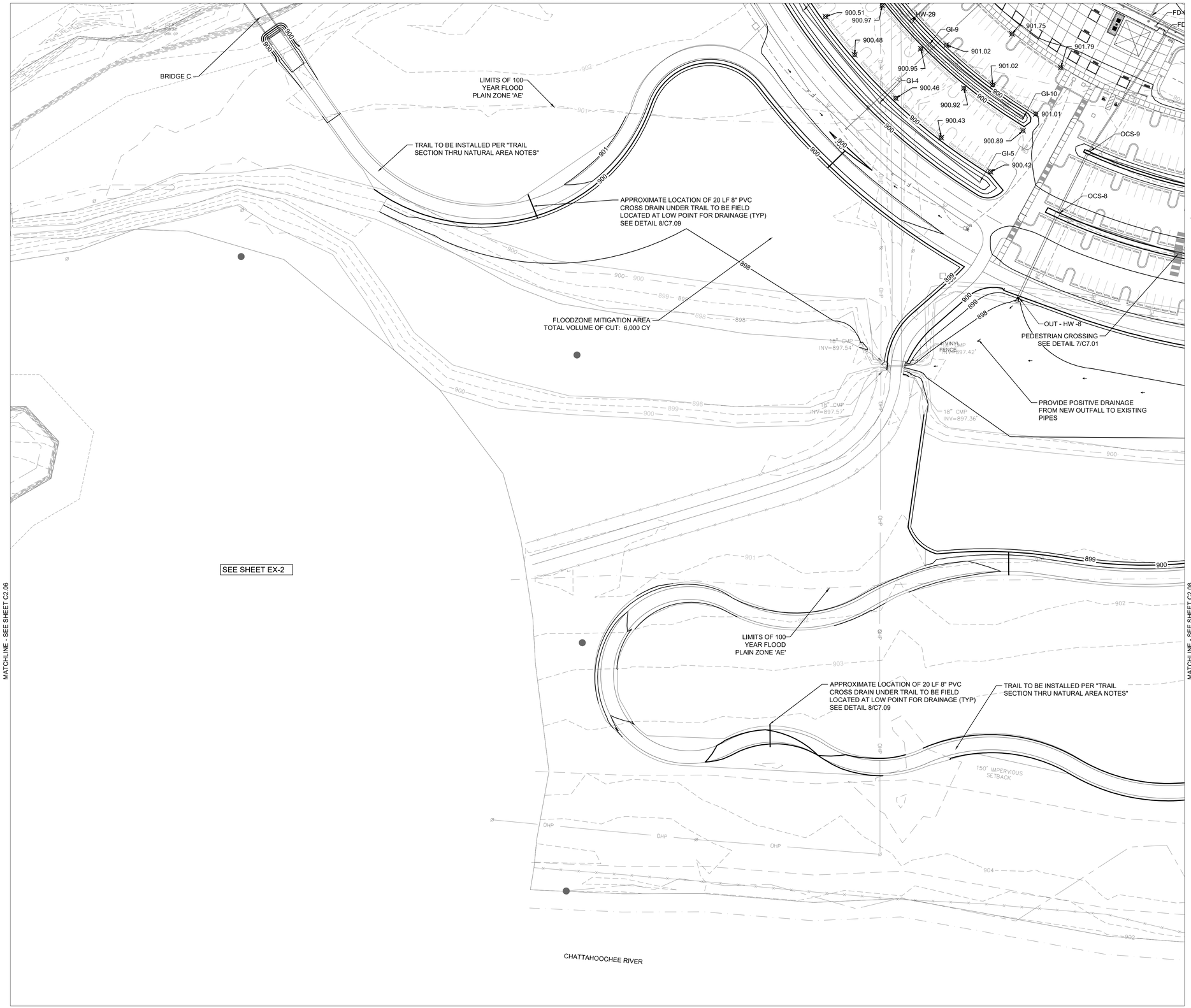
SAVED: 5/14/2021
PLOTTED: 5/14/2021



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C2.07

FILE NO. 38106-02

USER:BSPETERSON
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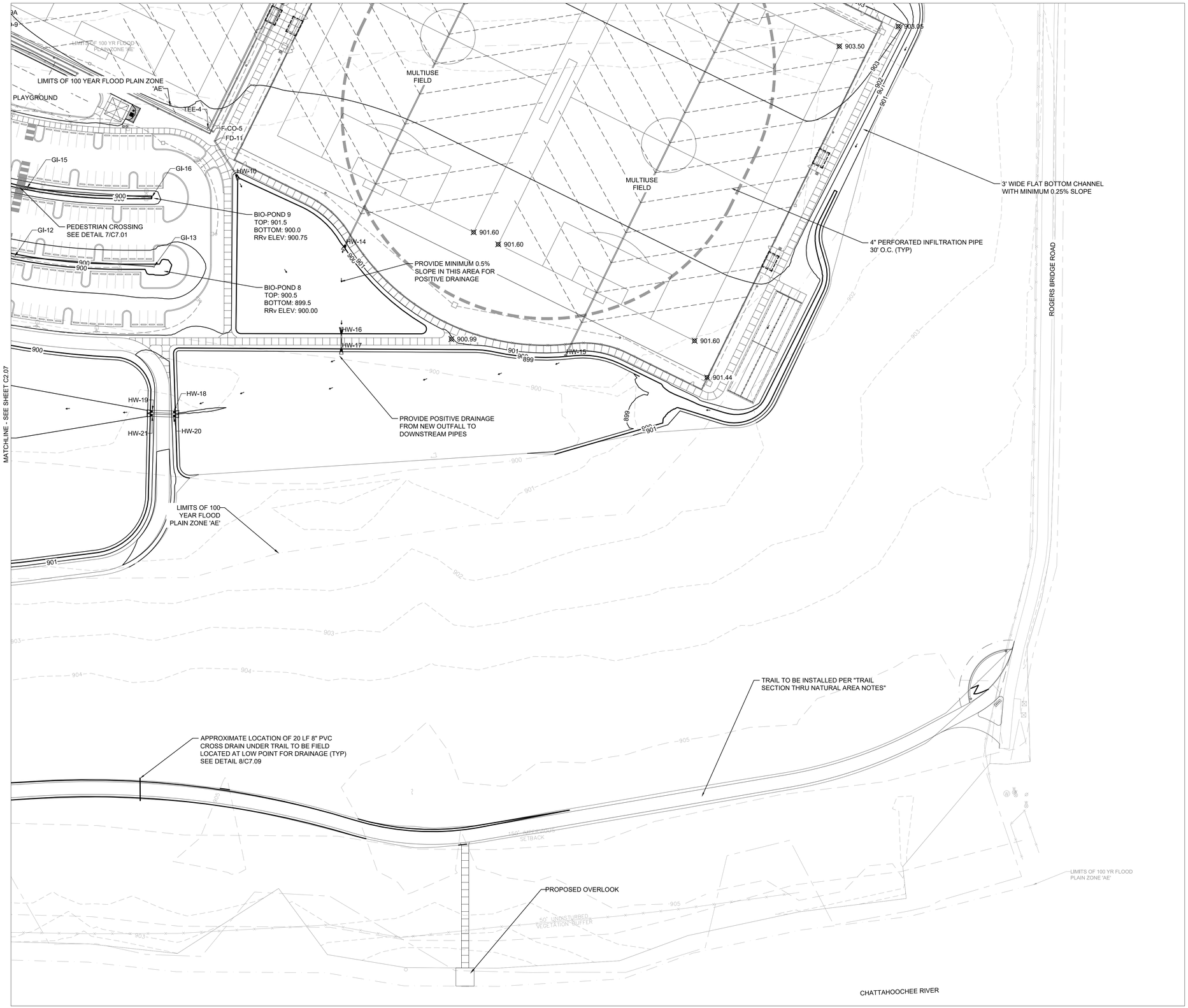

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GRADING & DRAINAGE PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

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C2.08

FILE NO. 38106-02

USER:BSPETERSON
FILE:F:\38106\38106\38106002\04_CAD\CIVIL\PLOT\38106002_C201-C208_GRADING.dwg
SAVED:5/14/2021
PLOTTED:5/14/2021

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LEGEND:

LOD	LIMITS OF DISTURBANCE
	SOIL TYPE LINE
969	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED OUTLET PROTECTION
	PROPOSED STORMWATER PIPE
	PROPOSED FLARED END SECTION
	EXISTING DRAINAGE FLOW PATTERN
	PROPOSED GUARD RAIL
	PROPOSED SIGNAGE
OHP	EXISTING OVERHEAD POWERLINE
ST ST	EXISTING STORM LINE
	PROPOSED STORM LINE
	PROPOSED SILT FENCE

Co	CONSTRUCTION EXIT		GRAVEL	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER		(INDICATE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

SOILS CHART

SOIL TYPE	SOIL DESCRIPTION	K-FACTOR	HYDROLOGIC GROUP
AaB	ALTAVISTA SANDY LOAM, 2 TO 6 PERCENT SLOPES	1.98	B
CaA	CARTECAY-TOCCOA COMPLEX, 0 TO 2 PERCENT SLOPES	1.98	A
CeC2	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES, MODERATELY ERODED	1.98	B
CpA	CONGAREE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	0.57	C
WbA	WEHADKEE-CARTECAY COMPLEX, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	0.32	D

SOIL INFORMATION AND DELINEATION OBTAINED FROM THE NCRS WEBSITE.

CHRISTOPHER L. RAINS, P.E.
GA P.E. #: 34678
LEVEL II#: 0000002916
EXPIRES 10/05/2023

Know what's **below**
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GEORGIA WEST STATE PLANE

N

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EC30.1

FILE NO. 38106-02

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FINAL ESC PLAN

SITE IMPROVEMENTS
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JOHNS CREEK, GA

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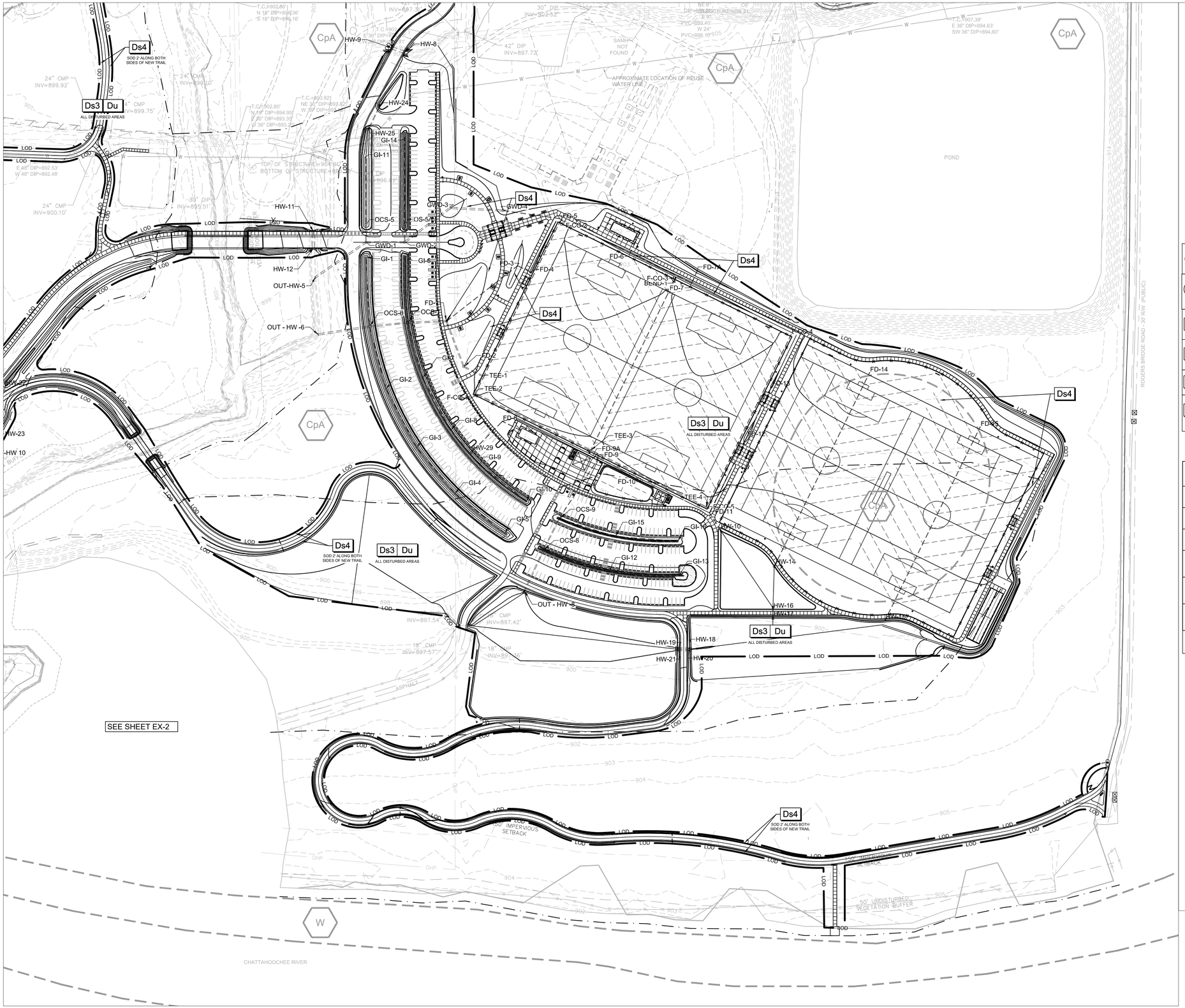
USER: CLRAINS
FILE: F:\38106\38106\38106202\04_CAD\CIVIL\PLOT\38106202_EC301-EC308_FINAL ESC-PLAN.dwg
SAVED: 5/12/2021
PLOTTED: 5/14/2021



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www.call811.com

PERMIT #: 21-487
PROJECT ADDRESS: 7255 BELL ROAD, JOHNS CREEK, GA 30097
LAND LOT #: 434, 435, 436, 455, 456, F47, F48, F49

PARCEL ID: 11 120004350701

FEMA PANEL: PANEL NO. 13121 C0092G EFFECTIVE DATE: 09/18/2013

DATUM: GSP -WEST

BENCHMARK:

GEORGIA WEST STATE PLANE

N

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

BARGE DESIGN SOLUTIONS
2839 Paces Ferry Road // Suite 850 // Atlanta, GA 30339
PHONE (770) 626-7631 // FAX (770) 805-0903

Johns Creek *be the exception*

PRELIMINARY NOT FOR CONSTRUCTION

DATE

FINAL ESC PLAN

SITE IMPROVEMENTS
CAULEY CREEK PARK
JOHNS CREEK, GA

REV.	DR.	CHK.	DATE	DESCRIPTION
A	BSP	TWG	07/16/2020	30% CONSTRUCTION DOCUMENTS
B	BSP	TWG	11/02/2020	60% CONSTRUCTION DOCUMENTS
C			01/22/2021	90% CONSTRUCTION DOCUMENTS
D			02/23/2021	90% CONSTRUCTION DOCUMENTS
E			04/30/2021	ISSUED FOR PERMITTING
F			05/14/2021	REVISED PER LDP COMMENTS

EC30.2

FILE NO. 38106-02

USER:CLRAINS
FILE:C:\38106\38106\02\04_CAD\CIVIL\PLOT\38106\02_EC301-EC308_FINAL ESC-PLAN.dwg
SAVED:5/12/2021
PLOTTED:6/14/2021

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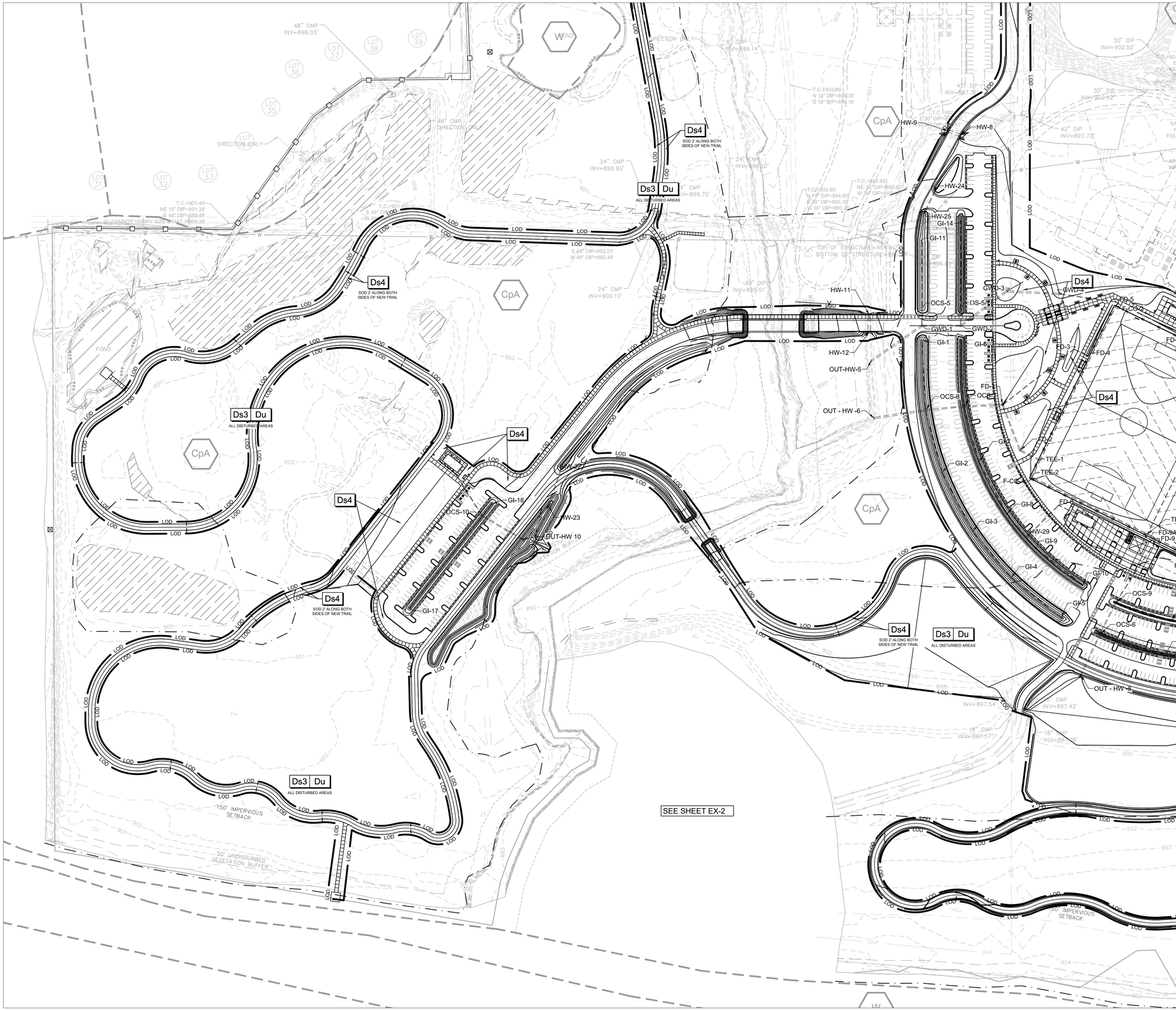

LEGEND:

LOD	LIMITS OF DISTURBANCE
	SOIL TYPE LINE
969	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED OUTLET PROTECTION
	PROPOSED STORMWATER PIPE
	PROPOSED FLARED END SECTION
	EXISTING DRAINAGE FLOW PATTERN
	PROPOSED GUARD RAIL
	PROPOSED SIGNAGE
OHP	EXISTING OVERHEAD POWERLINE
ST ST	EXISTING STORM LINE
	PROPOSED STORM LINE
	PROPOSED SILT FENCE

Co	CONSTRUCTION EXIT		A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER		A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)	Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS	Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION	Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

SOILS CHART

SOIL TYPE	SOIL DESCRIPTION	K-FACTOR	HYDROLOGIC GROUP
AaB	ALTAVISTA SANDY LOAM, 2 TO 6 PERCENT SLOPES	1.98	B
CaA	CARTECAY-TOCCOA COMPLEX, 0 TO 2 PERCENT SLOPES	1.98	A
CeC2	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES, MODERATELY ERODED	1.98	B
CpA	CONGAREE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	0.57	C
WbA	WEHADKEE-CARTECAY COMPLEX, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	0.32	D

SOIL INFORMATION AND DELINEATION OBTAINED FROM THE NCRS WEBSITE.

CHRISTOPHER L. RAINS, P.E.
GA P.E. #: 34678
LEVEL II#: 0000002916
EXPIRES 10/05/2023

Know what's **below**
Call before you dig.
811
www.call811.com

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SAVED:6/8/2021
PLOTTED:6/14/2021