CATAMOUNT
CONSTRUCTORS INCORPORATED

Howell Bridge MOB

Print #240412959
Date: 04/12/24
Lat/Lon: 34.328530 -84.390038
Order No. 79354
Aerial Photography, Inc. 954-568-0484

FIRE CODE COMPLIANCE

1. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAYS CONSTRUCTED OF AN ALL WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS WEIGHT SHALL BE PROVIDED PER INTERNATIONAL FIRE CODE, CHAPTER 5, SECTION 503.2.3, 2018 EDITION.

2. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAYS WIDTH SHALL BE 20 FEET MINIMUM PER INTERNATIONAL FIRE CODE, 503.2.1 2018 EDITION.

3. ALL BUILDINGS OVER TWO STORIES IN HEIGHT OR MORE THAN 12,000 SQUARE FEET ARE REQUIRED TO COMPLY WITH THE 2018 IFC SECTION 510, EMERGENCY RESPONDER RADIO COVERAGE. ADDITIONAL REQUIREMENTS MAY APPLY. IF THERE IS NOT PROPER RADIO COVERAGE FROM THE INSIDE OF THE BUILDING, YOU WILL BE REQUIRED TO INSTALL A DAS FOR COMPLIANCE WITH THIS CODE. THE CODE IS AVAILABLE ON OUR WEBSITE UNDER THE 2018 IFC SECTION 510 EMERGENCY RESPONDER RADIO COVERAGE.

4. THE FOLLOWING PLANS HAVE BEEN REVIEWED BY THE CHEROKEE COUNTY FIRE MARSHAL'S OFFICE. THE DRAWINGS WERE REVIEWED UNDER THE APPLICABLE LAWS ADOPTED AT THE TIME. EVERY EFFORT WAS MADE TO ENSURE CODE COMPLIANCE. ANY CODE VIOLATIONS THAT WERE MISSED DURING THE PLAN REVIEW ARE THE OWNER'S RESPONSIBILITY AND MUST BE CORRECTED TO RECEIVE FINAL APPROVAL AND/OR A CERTIFICATE OF OCCUPANCY (CO).

5. SITE WORK NEEDS A PRE-CONSTRUCTION MEETING AS WELL AS UNDERGROUND INSPECTIONS ON ALL PRIVATE FIRE MAINS. PLEASE SCHEDULE ALL INSPECTIONS IN THE CITYVIEW PORTAL.

6. BUILDING CONSTRUCTION SHALL ADHERE TO THE FOLLOWING CODE REQUIREMENTS:

- NFPA 101 LIFE SAFETY CODE 2018 EDITION WITH CURRENT GEORGIA AMENDMENTS
- NFPA 13 2019 EDITION WITH CURRENT GEORGIA AMENDMENTS
- NFPA 72 2019 EDITION WITH CURRENT GEORGIA AMENDMENTS
- NFPA 96 2019 EDITION WITH CURRENT GEORGIA AMENDMENTS
- INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH CURRENT GEORGIA AMENDMENTS
- INTERNATIONAL FIRE CODE, 2018 EDITION, WITH CURRENT GEORGIA AMENDMENTS
- INTERNATIONAL PLUMBING CODE, 2018 EDITION, WITH CURRENT GEORGIA AMENDMENTS
- INTERNATIONAL MECHANICAL CODE, 2018 EDITION, WITH CURRENT GEORGIA AMENDMENTS
- INTERNATIONAL FUEL GAS CODE, 2018 EDITION, WITH CURRENT GEORGIA
- NATIONAL ELECTRICAL CODE, 2020 EDITION WITH CURRENT GEORGIA AMENDMENTS

7. GEORGIA 120-3-20 EFFECTIVE JANUARY 1, 2020, ACCESS TO AND USE OF PUBLIC FACILITIES BY HANDICAPPED PERSONS.

8. *THESE AMENDMENTS TO THE STATE MINIMUM STANDARD CODES CAN BE FOUND AT THE GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS WEB SITE. ALL LISTED AMENDMENTS FOR EACH CORRESPONDING CODE ARE APPLICABLE.

9. SUBMIT LONGITUDE, LATITUDE, AND ELEVATION DATA FOR ALL NEW AND RELOCATED HYDRANTS, ALONG WITH THE FLOW TEST DATA IN AN APPROVED ELECTRONIC FORMAT TO THE FIRE MARSHAL'S OFFICE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THIS IS TO BE DONE PRIOR TO THE FINAL FIRE INSPECTION. HORIZONTAL (LONGITUDE AND LATITUDE) LOCATIONS SHOULD BE REFERENCED TO THE US STATE PLANE COORDINATE SYSTEM, NAD 83 (2011), GA WEST ZONE, US SURVEY FEET. VERTICAL (ELEVATION) LOCATIONS SHOULD BE REFERENCED TO THE NAVD88 DATUM, GEOID12A, US SURVEY FEET.

10. INSTALLATION:
- FIRE HYDRANTS SHALL BE INSTALLED SO THAT THE CENTERLINE OF ALL HYDRANT STEAMER CONNECTIONS IS TO BE A MINIMUM OF 18-INCHES ABOVE GRADE, OR BARREL FLANGE OS TO BE 6-INCHES ABOVE THE FINISHED GRADE.
- THE STEAMER CONNECTION SHALL FACE THE MID-LINE OF THE STREET FOR ACCESSIBILITY.
- HYDRANTS SHALL HAVE 3-FEET OF SURROUNDING UNOBSTRUCTED AREA. (2018 IFC)
- THE STEAMER CONNECTION MUST FACE THE MID-LINE OF THE STREET FOR ACCESSIBILITY.

11. FIRE HYDRANTS TO BE INSTALLED AND OPERABLE PRIOR TO ANY BUILDING CONSTRUCTION.

12. TESTING:
- FIRE HYDRANTS MUST BE TESTED PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. THE TEST WILL CONSIST OF BUT NOT LIMITED TO FLOWING THE FIRE HYDRANTS, PAINTING THE HYDRANTS, AND PROPERLY GREASING THE DISCHARGE OUTLETS AND STEM. AFTER COMPLETION NOTIFY THE FIRE MARSHAL WITH DOCUMENTATION OF THE TESTING.
- TESTING FIRE HYDRANTS: TEST STATIC, RESIDUAL AND FLOW G.P.M. (GALLONS PER MINUTE) AT 20 PSI

12. PAINT FIRE HYDRANTS: PAINT HYDRANTS SILVER.

13. PIVS MUST HAVE TAMPER SWITCHES INSTALLED AND CONNECTED TO THE FIRE ALARM (FACU)

14. THE FDC IS NOT TO BE PLACED ON THE BUILDING FOR AN NFPA 13 SYSTEM.

15. TRANSFORMERS MUST BE SHOWN ON PLANS COMPLYING WITH THE FOLLOWING: 604.12 "SEPARATION FROM TRANSFORMERS. SPACE SEPARATION FOR TRANSFORMERS SHALL BE AS FOLLOWS:

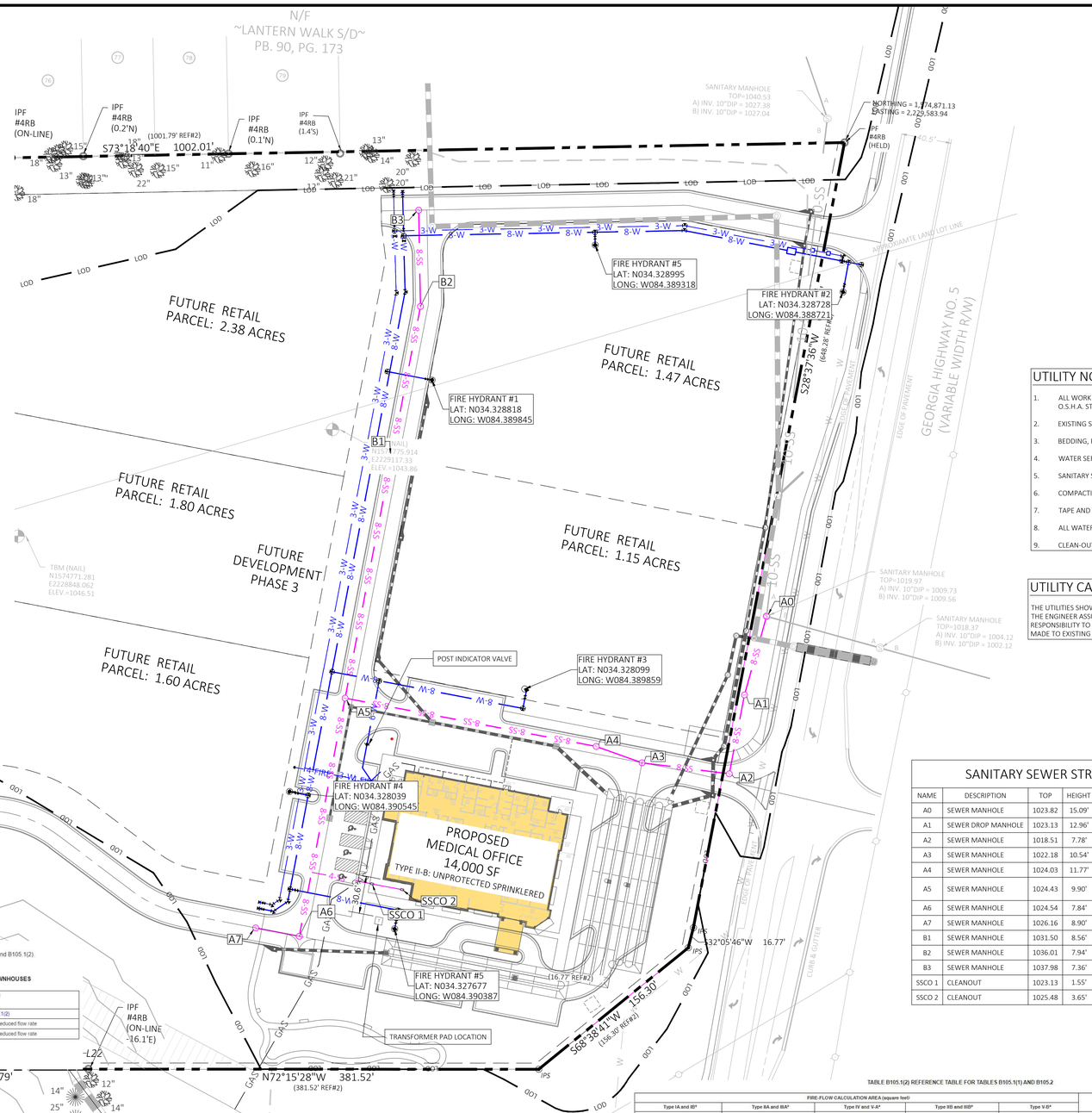
15.1. TRANSFORMER PAD LOCATIONS SHALL BE A MINIMUM OF 10 FEET (3 M) FROM ANY BUILDING, BUILDING OVERHANGS, CANOPIES, EXTERIOR WALLS, BALCONIES, EXTERIOR STAIRS AND/OR WALKWAYS CONNECTED TO THE BUILDING.

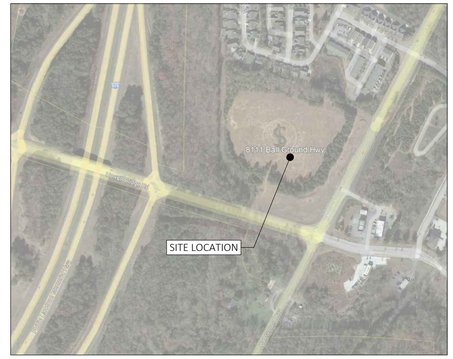
15.2. TRANSFORMER PAD EDGES SHALL BE NOT LESS THAN 14 FEET (4.3 M) FROM ANY DOORWAY.

15.3. TRANSFORMER PAD EDGES SHALL BE NOT LESS THAN 10 FEET (3 M) FROM ANY WINDOW OR OTHER OPENING.

15.4. IF THE BUILDING HAS AN OVERHANG, THE 10-FEET (3 M) CLEARANCE SHALL BE MEASURED FROM A POINT BELOW THE EDGE OF THE OVERHANG ONLY IF THE BUILDING IS THREE STORIES OR LESS. IF THE BUILDING IS FOUR STORIES OR MORE, THE 10-FEET (3 M) CLEARANCE SHALL BE MEASURED FROM THE OUTSIDE BUILDING WALL.

15.5. FIRE ESCAPES, OUTSIDE STAIRS, AND COVERED WALKWAYS ATTACHED TO OR BETWEEN BUILDINGS, SHALL BE CONSIDERED AS PART OF THE BUILDING. 604.12.1 TRANSFORMER PADS MAY BE LOCATED CLOSER TO NONCOMBUSTIBLE WALLS THAN THE ABOVE REQUIRED MINIMUM CLEARANCES IN 605.12(1) UPON WRITTEN APPROVAL OF THEAUTHORITY HAVING JURISDICTION, HOWEVER, IN NO CASE SHALL THE TRANSFORMER LOCATION BE LESS THAN 3 FEET (0.9 M) FROM THE BUILDING. 604.12.2 TRANSFORMER PADS EXISTING PRIOR TO DECEMBER 31, 1994, ARE EXEMPTED FROM THE REQUIREMENTS OF 605.11. WHEN BUILDINGS ARE MODIFIED, REDUCTIONS IN SPACE SEPARATIONS MAY BE LESS THAN THE ABOVE REQUIRED MINIMUM CLEARANCES UPON WRITTEN APPROVAL OF THE AUTHORITY HAVING JURISDICTION."





VICINITY MAP
N.T.S

UTILITY NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CHEROKEE COUNTY/CITY OF BALL GROUND REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED REMOVED, OR RELOCATED AS NECESSARY.
3. BEDDING, FITTINGS, AND CONNECTIONS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
4. WATER SERVICE TO BE PROVIDED BY CITY OF BALL GROUND.
5. SANITARY SEWER SERVICE TO BE PROVIDED BY CITY OF BALL GROUND.
6. COMPACTION EQUIPMENT TO BE USED ON ALL PIPES AND SERVICES UNDER PAVEMENT.
7. TAPE AND WIRE ALL PLASTIC PIPES AND SERVICES.
8. ALL WATER VALVES TO BE THE SAME SIZE AS INDICATED WATER LINES.
9. CLEAN-OUTS WILL BE PROVIDED AT ALL TURNING POINTS ON LATERAL LINES.

UTILITY CAUTION NOTE:

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE UNDERGROUND UTILITIES, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION OF ALL UTILITIES SHOWN AS WELL AS THOSE NOT SHOWN WITHIN THE CONSTRUCTION LIMITS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SANITARY SEWER STRUCTURE TABLE

NAME	DESCRIPTION	TOP	HEIGHT	INV. IN ELEV.	INV. OUT ELEV.
A0	SEWER MANHOLE	1023.82	15.09'	8" PVC AT 1009.73'	
A1	SEWER DROP MANHOLE	1023.13	12.96'	8" PVC AT 1010.29'	8" PVC AT 1010.19'
A2	SEWER MANHOLE	1018.51	7.78'	8" PVC AT 1010.95'	8" PVC AT 1010.75'
A3	SEWER MANHOLE	1022.18	10.54'	8" PVC AT 1011.86'	8" PVC AT 1011.66'
A4	SEWER MANHOLE	1024.03	11.77'	8" PVC AT 1012.46'	8" PVC AT 1012.26'
A5	SEWER MANHOLE	1024.43	9.90'	8" PVC AT 1014.73' 8" PVC AT 1014.93'	8" PVC AT 1014.53'
A6	SEWER MANHOLE	1024.54	7.84'	8" PVC AT 1016.90'	8" PVC AT 1016.70'
A7	SEWER MANHOLE	1026.16	8.90'		8" PVC AT 1017.26'
B1	SEWER MANHOLE	1031.50	8.56'	8" PVC AT 1023.13'	8" PVC AT 1022.93'
B2	SEWER MANHOLE	1036.01	7.94'	8" PVC AT 1028.28'	8" PVC AT 1028.07'
B3	SEWER MANHOLE	1037.98	7.36'		8" PVC AT 1030.62'
SSCO 1	CLEANOUT	1023.13	1.55'	4" PVC AT 1021.78'	4" PVC AT 1021.58'
SSCO 2	CLEANOUT	1025.48	3.65'	4" PVC AT 1021.83'	

UTILITY LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- FOC — FIBER OPTIC LINE
- OHE — ELEC. OVERHEAD LINE
- UGP&T — ELEC. UNDERGROUND LINE
- GAS — GAS LINE
- 8-SS — SEWER LINE
- FM — SEWER FORCEMAIN
- OHT — TELE. OVERHEAD LINE
- UGT — TELE. UNDERGROUND LINE
- WATER LINE
- (S) SANITARY SEWER MANHOLE
- (CO) SANITARY SEWER CLEANOUT
- POST INDICATOR VALVE
- W WATER METER
- WATER BENDS 11.25° - 90°
- WATER TEE WITH THRUST BLOCK
- GATE VALVE
- DDC DOUBLE DETECTOR CHECK VALVE ASSEMBLY
- FIRE HYDRANT
- FDC FIRE DEPARTMENT CONNECTION
- GREASE TRAP
- T ELECTRICAL TRANSFORMER
- POWER POLE

B105.2 Buildings other than one- and two-family dwellings. Group R-3 and R-4 buildings and townhouses.

The minimum *fire-flow* and flow duration for buildings other than one- and two-family *dwellings*, Group R-3 and R-4 buildings and *townhouses* shall be as specified in Tables B105.2 and B105.1(2).

TABLE B105.2 REQUIRED FIRE FLOW FOR BUILDINGS OTHER THAN ONE- AND TWO-FAMILY DWELLINGS, GROUP R-3 AND R-4 BUILDINGS AND TOWNHOUSES

AUTOMATIC SPRINKLER SYSTEM (Design Standard)	MINIMUM FIRE FLOW (gallons per minute)	FLOW DURATION (hours)
No automatic sprinkler system	Value in Table B105.1(2)	Duration in Table B105.1(2)
Section 903.3.1.1 of the *International Fire Code*	25% of the value in Table B105.1(2)[a]	Duration in Table B105.1(2) at the reduced flow rate
Section 903.3.1.2 of the *International Fire Code*	25% of the value in Table B105.1(2)[b]	Duration in Table B105.1(2) at the reduced flow rate

For SI: 1 gallon per minute = 3.785 Lm.

a. The reduced fire flow shall be not less than 1,000 gallons per minute.
b. The reduced fire flow shall be not less than 1,500 gallons per minute.

TABLE C102.1 REQUIRED NUMBER AND SPACING OF FIRE HYDRANTS[b]

FIRE-FLOW REQUIREMENT (gpm)	MINIMUM NUMBER OF HYDRANTS	AVERAGE SPACING BETWEEN HYDRANTS[a, b, e, f, g] (feet)	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT[c, f, g]
1,750 or less	1	500	250
1,751–2,250	2	450	225
2,251–2,750	3	450	225
2,751–3,250	3	400	225
3,251–4,000	4	350	210
4,001–5,000	5	300	180
5,001–5,500	6	300	180
5,501–6,000	6	250	150
6,001–7,000	7	250	150
7,001 or more	8 or more[d]	200	120

For SI: 1 foot = 304.8 mm, 1 gallon per minute = 3.785 L/m.

a. Reduce by 100 feet for dead-end streets or roads.
b. Where streets are provided with median dividers that cannot be crossed by fire fighters pulling hose lines, or where arterial streets are provided with four or more traffic lanes and have a traffic count of more than 30,000 vehicles per day, hydrant spacing shall average 500 feet on each side of the street and be arranged on an alternating basis.
c. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, fire hydrants shall be provided at spacing not to exceed 1,000 feet to provide for transportation hazards.
d. Reduce by 50 feet for dead-end streets or roads.
e. One hydrant for each 1,000 gallons per minute or fraction thereof.
f. A 50-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1 of the *International Fire Code*.
g. A 25-percent spacing increase shall be permitted where the building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2 or 903.3.1.3 of the *International Fire Code* or Section P2904 of the *International Residential Code*.
h. The fire code official is authorized to modify the location, number and distribution of fire hydrants based on site-specific constraints and hazards.

TABLE B105.1(2) REFERENCE TABLE FOR TABLES B105.1(1) AND B105.2

FIRE-FLOW CALCULATION AREA (square feet)					FIRE-FLOW (gallons per minute)[b]	FLOW DURATION (hours)[c]
Type IA and IB*	Type IIA and IIIA*	Type IV and V-A*	Type IIB and IIIB*	Type V-B*		
0-22,700	0-12,700	0-8,200	0-5,900	0-3,600	1,500	2
22,701-30,200	12,701-17,000	8,201-10,900	5,901-7,900	3,601-4,800	1,750	
30,201-38,700	17,001-21,800	10,901-12,900	7,901-9,800	4,801-6,200	2,000	
38,701-48,300	21,801-24,200	12,901-17,400	9,801-12,600	6,201-7,700	2,250	
48,301-59,000	24,201-33,200	17,401-21,300	12,601-15,400	7,701-9,400	2,500	
59,001-70,900	33,201-39,700	21,301-25,500	15,401-18,400	9,401-11,300	2,750	
70,901-83,700	39,701-47,100	25,501-30,100	18,401-21,800	11,301-13,400	3,000	
83,701-97,700	47,101-54,900	30,101-35,200	21,801-25,900	13,401-15,800	3,250	3
97,701-112,700	54,901-63,400	35,201-40,600	25,901-29,300	15,801-18,000	3,500	
112,701-128,700	63,401-72,400	40,601-46,400	29,301-33,500	18,001-20,600	3,750	
128,701-145,900	72,401-82,100	46,401-52,500	33,501-37,900	20,601-23,300	4,000	
145,901-164,200	82,101-92,400	52,501-59,100	37,901-42,700	23,301-26,300	4,250	
164,201-183,400	92,401-103,100	59,101-66,000	42,701-47,700	26,301-29,300	4,500	
183,401-203,700	103,101-114,600	66,001-73,300	47,701-53,000	29,301-32,600	4,750	
203,701-225,200	114,601-126,700	73,301-81,100	53,001-58,600	32,601-36,000	5,000	
225,201-247,700	126,701-139,400	81,101-89,200	58,601-65,400	36,001-39,600	5,250	
247,701-271,200	139,401-152,600	89,201-97,700	65,401-70,600	39,601-43,400	5,500	
271,201-295,900	152,601-166,500	97,701-106,500	70,601-77,000	43,401-47,400	5,750	
295,901-Greater	166,501-Greater	106,501-115,800	77,001-83,700	47,401-51,500	6,000	4
–	–	115,801-125,500	83,701-90,600	51,501-55,700	6,250	
–	–	125,501-135,500	90,601-97,900	55,701-60,200	6,500	
–	–	135,501-145,800	97,901-106,800	60,201-64,800	6,750	
–	–	145,801-156,700	106,801-113,200	64,801-69,600	7,000	
–	–	156,701-167,900	113,201-121,300	69,601-74,600	7,250	
–	–	167,901-179,400	121,301-129,600	74,601-79,800	7,500	
–	–	179,401-191,400	129,601-138,300	79,801-85,100	7,750	
–	–	191,401-Greater	138,301-Greater	85,101-Greater	8,000	

For SI: 1 square foot = 0.0929 m², 1 gallon per minute = 3.785 L/m, 1 pound per square inch = 6.895 kPa.

a. Types of construction are based on the International Building Code.
b. Measured at 20 psi residual pressure.

CHEROKEE GROWTH, LLC
171 17TH STREET NW, SUITE 2100
ATLANTA, GA 30309
PHONE: 770-914-0116

24 HOUR CONTACT:
STEVE EVANS: 770-914-0116

PREPARED BY:
LOWE ENGINEERS
990 HAMMOND DRIVE, SUITE 900
ATLANTA, GA 30328
770.857.8400

GEORGIA REGISTERED No. PE047301 PROFESSIONAL ENGINEER CLEMENTE QUINONES

PROFESSIONAL SEAL

UTILITY PLAN

CHEROKEE GROWTH BALL GROUND
8111 BALL GROUND HIGHWAY
BALL GROUND, GA 30107

ZONING: TND
LAND LOT: 251
TAX DISTRICT: 3RD
TAX PARCEL I.D.: 03-0079-0008

REVISIONS		
NO.	DATE	DESCRIPTION
1	7/28/2023	GDOT REVISIONS
2	8/24/2023	SITE & GRADING REVISIONS
3	9/26/2023	UTILITY & GRADING REVISIONS

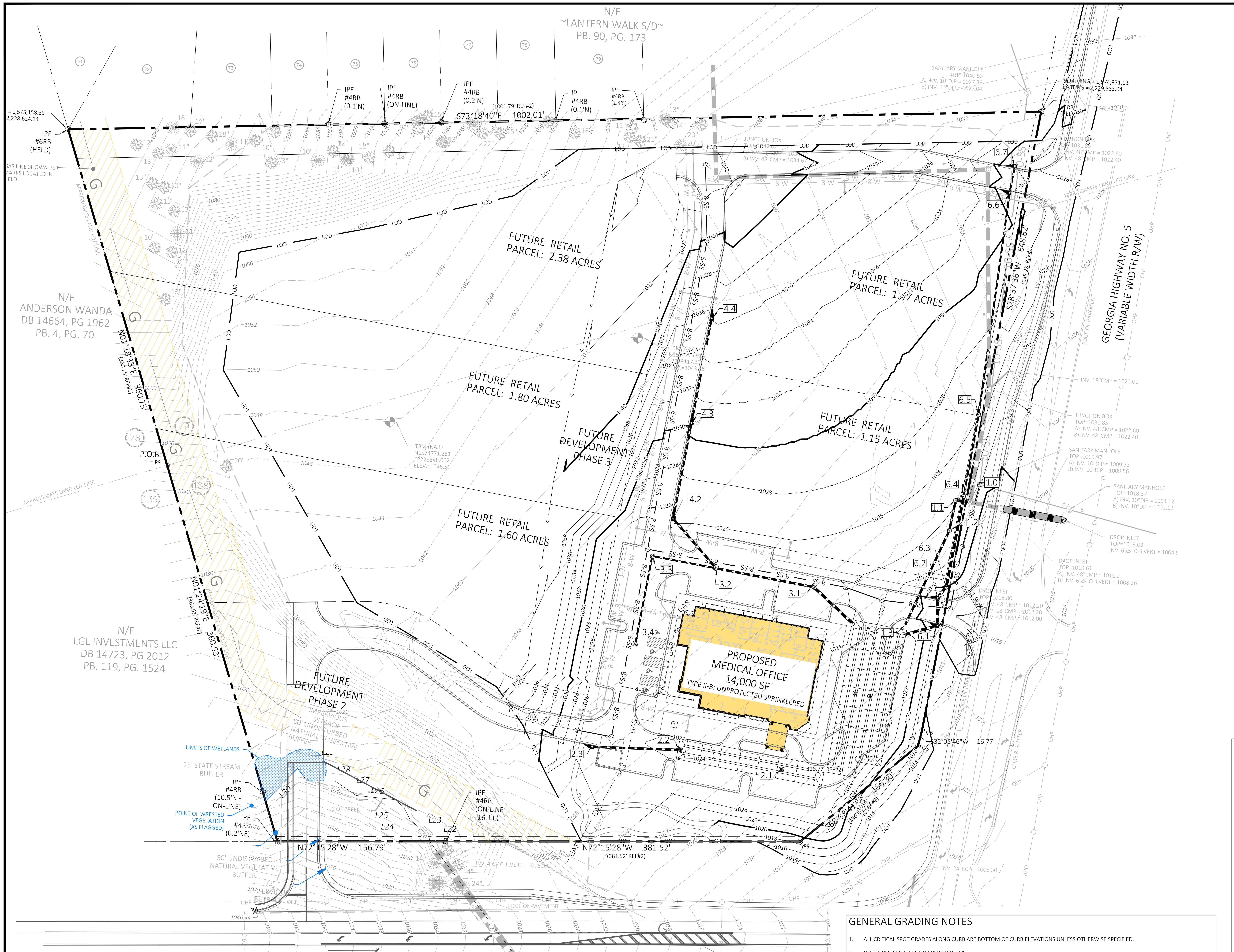
0' 25' 50' 75'

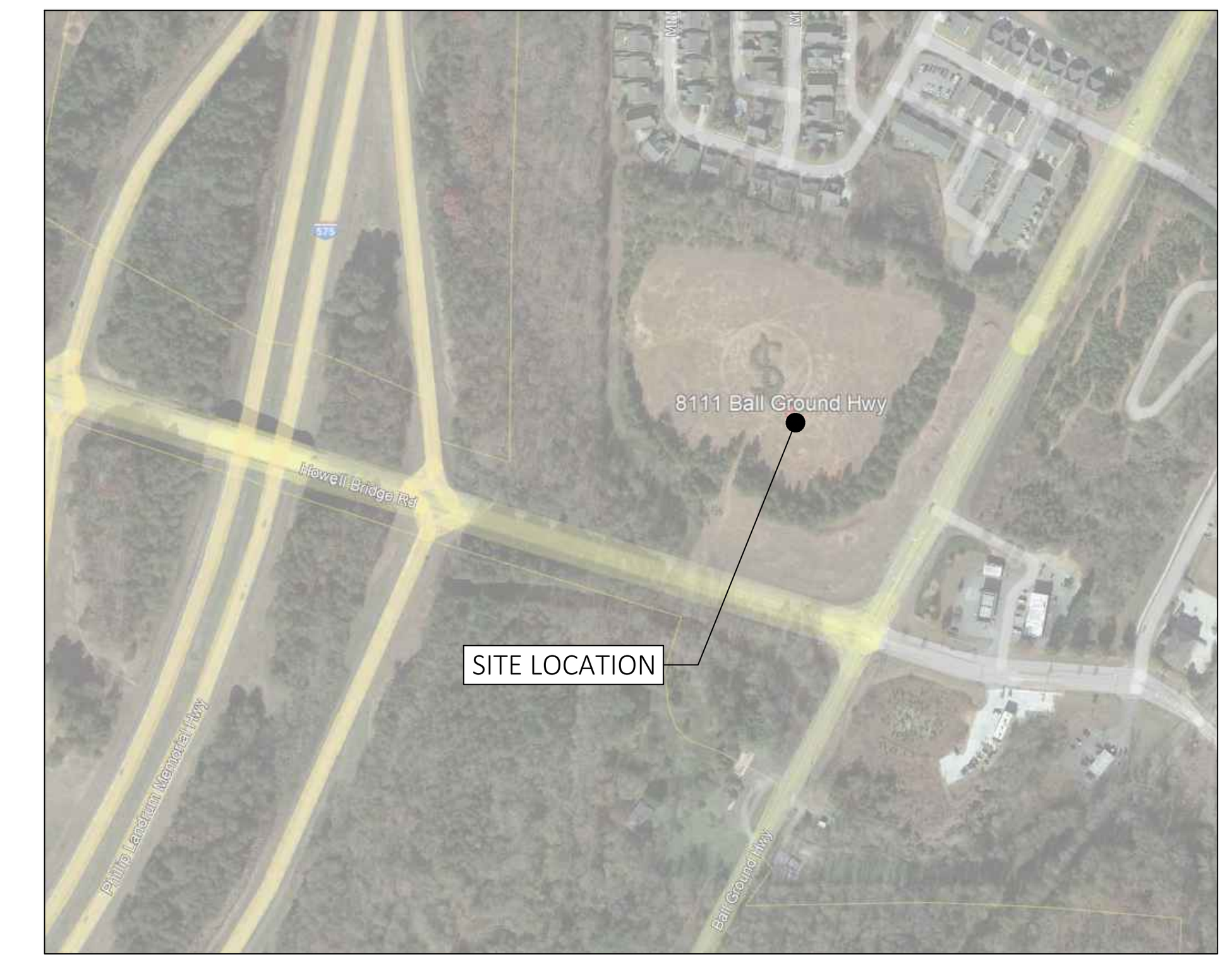
SCALE: 1" = 50'
DATE: 09/13/2023
DRAWN BY: DPH
CHECKED BY: CQ
PROJECT MANAGER: CLEMENTE QUINONES, PE
PROJECT #: 22-220021

SHEET C5.00

NORTH

GEORGIA 811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.





VICINITY MAP
N.T.S

STORM STRUCTURE TABLE

NAME	DESCRIPTION	TOP	INV. IN ELEV.	INV. OUT ELEV.
1.0	EX GI	1018.80	24" HDPE AT 1013.20' 48" CMP AT 1012.20'	48" CMP AT 1012.20'
1.1	JB	1026.11	24" HDPE AT 1013.26'	24" HDPE AT 1013.26'
1.2	JB	1023.42	24" HDPE AT 1013.64'	24" HDPE AT 1013.64'
1.3	OCS OUTFLOW FROM UGD	1016.18		24" HDPE AT 1014.00'
2.0	CONNECT TO UGD	1018.88		
2.1	GRATE INLET	1024.20		
2.2	GRATE INLET	1023.49	24" HDPE AT 1018.31'	
2.3	SWCB	1025.18		24" HDPE AT 1019.21'
3.0	CONNECT TO UGD	1017.36	30" HDPE AT 1014.64'	
3.1	GRATE INLET	1024.37	24" HDPE AT 1015.39'	30" HDPE AT 1014.89'
3.2	GRATE INLET	1024.40	18" HDPE AT 1016.40' 24" HDPE AT 1017.11'	24" HDPE AT 1015.90'
3.3	GRATE INLET	1024.23	18" HDPE AT 1017.45'	18" HDPE AT 1017.45'
3.4	GRATE INLET	1024.23		18" HDPE AT 1018.05'
4.2	CB SINGLE WING LEFT	1026.07	18" HDPE AT 1019.10'	24" HDPE AT 1018.60'
4.3	CB SINGLE WING LEFT	1029.44	18" HDPE AT 1023.12'	18" HDPE AT 1023.12'
4.4	CB SINGLE WING LEFT	1033.19		18" HDPE AT 1027.51'
6.0	CONNECT TO UGD	1015.89	30" HDPE AT 1014.25'	
6.1	SWCB	1018.61	30" HDPE AT 1014.52'	30" HDPE AT 1014.42'
6.2	SWCB	1019.03	30" HDPE AT 1014.66'	30" HDPE AT 1014.66'
6.3	PEDESTAL INLET	1019.84	30" HDPE AT 1014.83'	30" HDPE AT 1014.83'

STORM STRUCTURE TABLE

NAME	DESCRIPTION	TOP	INV. IN ELEV.	INV. OUT ELEV.
6.4	PEDESTAL INLET	1023.06	18" HDPE AT 1019.50'	30" HDPE AT 1018.37'
6.5	PEDESTAL INLET	1025.30	18" HDPE AT 1021.97'	18" HDPE AT 1021.97'
6.6	CB SINGLE WING RIGHT	1028.45	18" HDPE AT 1023.80'	18" HDPE AT 1023.80'
6.7	CB SINGLE WING LEFT	1028.36		18" HDPE AT 1023.93'
EX DI.0	EXISTING DROP INLET	1017.64	72" RCB AT 1004.52'	
EX DI.1	EXISTING DROP INLET	1020.28	48" CMP AT 1011.30'	72" RCB AT 1008.36'
EX JB	EXISTING STORM MANHOLE	1026.90	48" CMP AT 1016.06'	48" CMP AT 1015.96'
EX JB 2	EXISTING STORM MANHOLE	1028.85	48" CMP AT 1021.32'	48" CMP AT 1020.24'
EX JB 3	EXISTING STORM MANHOLE	1037.20		48" CMP AT 1029.86'

GRADING LEGEND

- EXISTING PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- EXISTING SETBACK LINE
- PROPOSED RETAINING WALL
- LOD — LIMITS OF DISTURBANCE
- 123 — EXISTING MINOR CONTOURS
- 123 — EXISTING MAJOR CONTOURS
- 123 — PROPOSED MINOR CONTOURS
- 123 — PROPOSED MAJOR CONTOURS
- 123.45 — EXISTING SPOT ELEVATION
- TFG:123.45 — EXISTING TOP OF FINISHED GRADE
- BFG:123.45 — EXISTING BOTTOM OF FINISHED GRADE
- (123.45) — PROPOSED SPOT ELEVATION
- TFG:123.45 — PROPOSED TOP OF FINISHED GRADE
- BFG:123.45 — PROPOSED BOTTOM OF FINISHED GRADE
- 2% — PROPOSED SLOPE ARROW
- EXISTING STORM LINE
- PROPOSED STORM LINE
- EXISTING GRATE INLET
- PROPOSED GRATE INLET
- SINGLE WING CURB INLET
- DOUBLE WING CURB INLET
- JB — STORM MANHOLE (JUNCTION BOX)

GENERAL GRADING NOTES

1. ALL CRITICAL SPOT GRADES ALONG CURB ARE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE SPECIFIED.
2. NO SLOPES ARE TO BE STEEPER THAN 2:1
3. ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
4. ALL TREES TO HAVE PROPER PROTECTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
5. TOPOGRAPHIC SURVEY BY MERIDIAN GEOMATICS, LLC, DATED 04/07/2022.
6. FLOOD PLAIN IS NOT PRESENT ON THIS SITE PER FEMA FIRM MAP NUMBER 13057C0159E, DATED JUNE 07, 2019.
7. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
8. OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL STORM SEWER ON PRIVATE PROPERTY.
9. THE OWNER IS RESPONSIBLE FOR OBTAINING ANY NECESSARY AGREEMENTS FROM ADJACENT PROPERTY OWNERS IN ORDER TO PERFORM THE REQUIRED OFFSITE WORK, INCLUDING, STORM DRAINAGE, CURB AND GUTTER AND PAVEMENT TIE-INS AND GRADING.
10. VERTICAL DEPTH OF ALL DRY AND PRESSURIZED UTILITIES IS UNKNOWN. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE FOUND.
11. ALL CLEANOUTS LOCATED IN PAVEMENT TO HAVE TRAFFIC RATED LIDS

GENERAL STORM NOTES

1. MINIMUM 3' COVER OVER ALL PIPES IN NON-TRAFFIC AREAS. 4' MINIMUM COVER UNDER PAVEMENT AND TRAFFIC AREAS.
2. FITTINGS AND CONNECTIONS PER MANUFACTURERS SPECIFICATIONS
3. PIPE BEDDING PER CHEROKEE COUNTY STANDARD DETAIL ON C9.01
4. APPROXIMATE LOCATION OF ROOF LEADERS ARE SHOWN ON THE PLANS OF THIS PERMIT SET. SIZE OF PIPE TO BE DETERMINED. CONTRACTOR TO CONTACT ENGINEER IF CONFLICT OCCURS.

UTILITY CAUTION NOTE:

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE UNDERGROUND UTILITIES, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION OF ALL UTILITIES SHOWN AS WELL AS THOSE NOT SHOWN WITHIN THE CONSTRUCTION LIMITS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CHEROKEE COUNTY NOTES

1. WATER QUALITY CONTROL DEVICE TO BE INSTALLED ONLY AFTER SITE IS COMPLETELY STABILIZED AND TEMPORARY SEDIMENT FILTER AND ACCUMULATED SEDIMENT IS REMOVED.

GEORGIA811
Utilities Protection Center, Inc.
Know what's below. Call before you dig.

CHEROKEE GROWTH, LLC
171 17TH STREET NW, SUITE 2100
ATLANTA, GA 30339
PHONE: 770-914-0116

24 HOUR CONTACT:
STEVE MARK: 770-914-0116

PREPARED BY:
LOWE ENGINEERS
990 HAMMOND DRIVE, SUITE 900
ATLANTA, GA 30328
770.857.8400

GEORGIA REGISTERED No. PE047301 PROFESSIONAL ENGINEER CLEMENTE QUINONES
PROFESSIONAL SEAL

CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR; NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR ANY OTHER PERSON

GRADING PLAN

CHEROKEE GROWTH BALL GROUND
8111 BALL GROUND HIGHWAY
BALL GROUND, GA 30107

ZONING: TND
LAND LOT: 0151
TAX DISTRICT: 3RD
TAX PARCEL ID: 03-0079-0008

REVISIONS

NO.	DATE	DESCRIPTION
1	7/28/2023	GDOT REVISIONS
2	8/24/2023	SITE & GDOT REVISIONS
3	9/26/2023	UTILITY & GRADING REVISIONS
4	10/12/2023	GDOT REVISIONS

0' 25' 50' 75'

SCALE: 1" = 50'
DATE: 10/12/2023
DRAWN BY: DPH
CHECKED BY: CQ
PROJECT MANAGER: CLEMENTE QUINONES, PE
PROJECT #: 22-220021
SHEET C4.00
NORTH

FILE NAME: Z:\22-220021 Cherokee Growth Ball Ground\DWG\SHEETS\C4.00 GRADING PLAN.dwg LAST SAVED BY: CQUINONES 11/3/23 AT 9:37 AM PLOTTED BY: CQUINONES 11/3/23 AT 9:52 AM PAPER SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES) DEVICE: _DWG TO PDF.PC3 PLOT STYLE: CIVIL-SITE.CTB