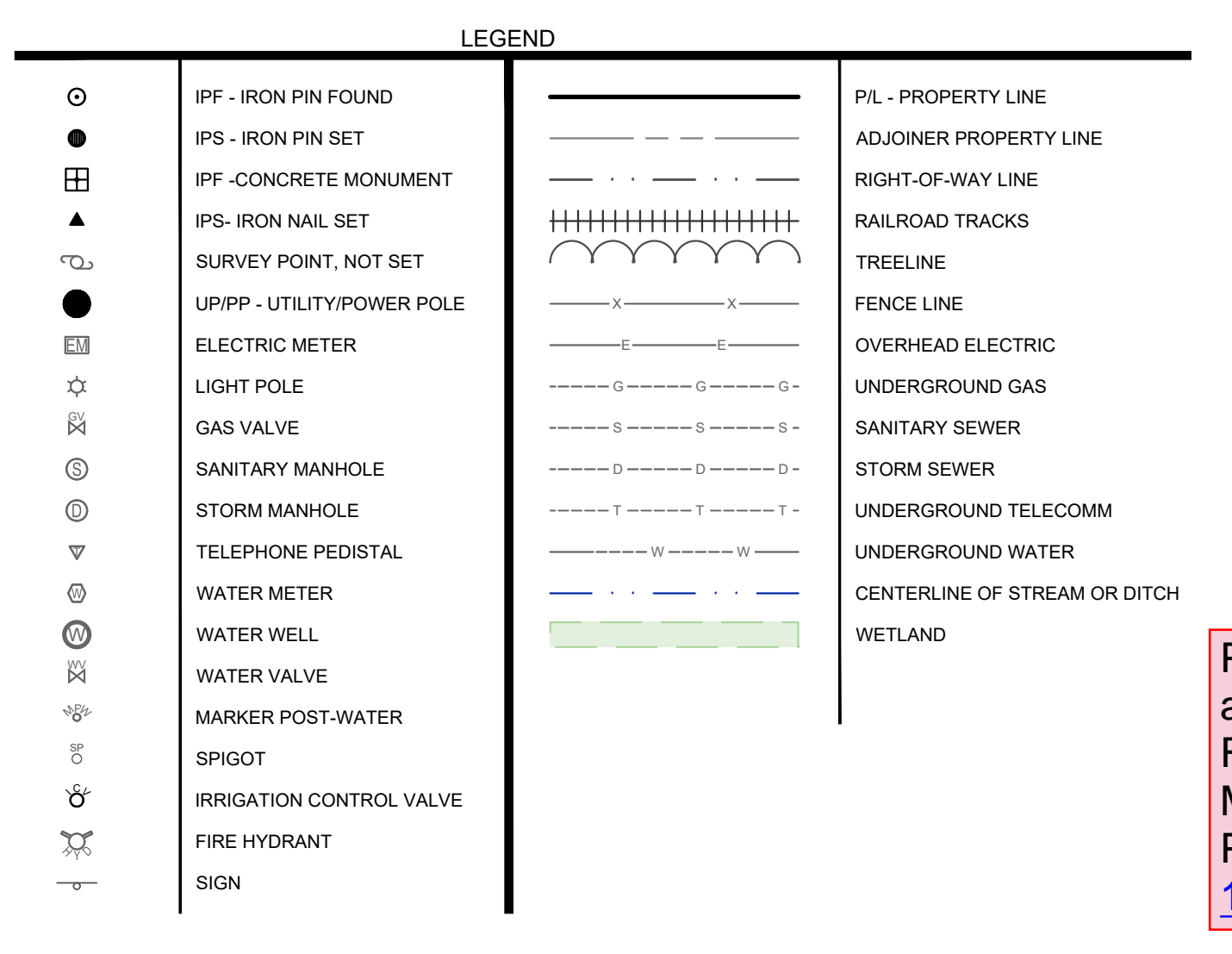
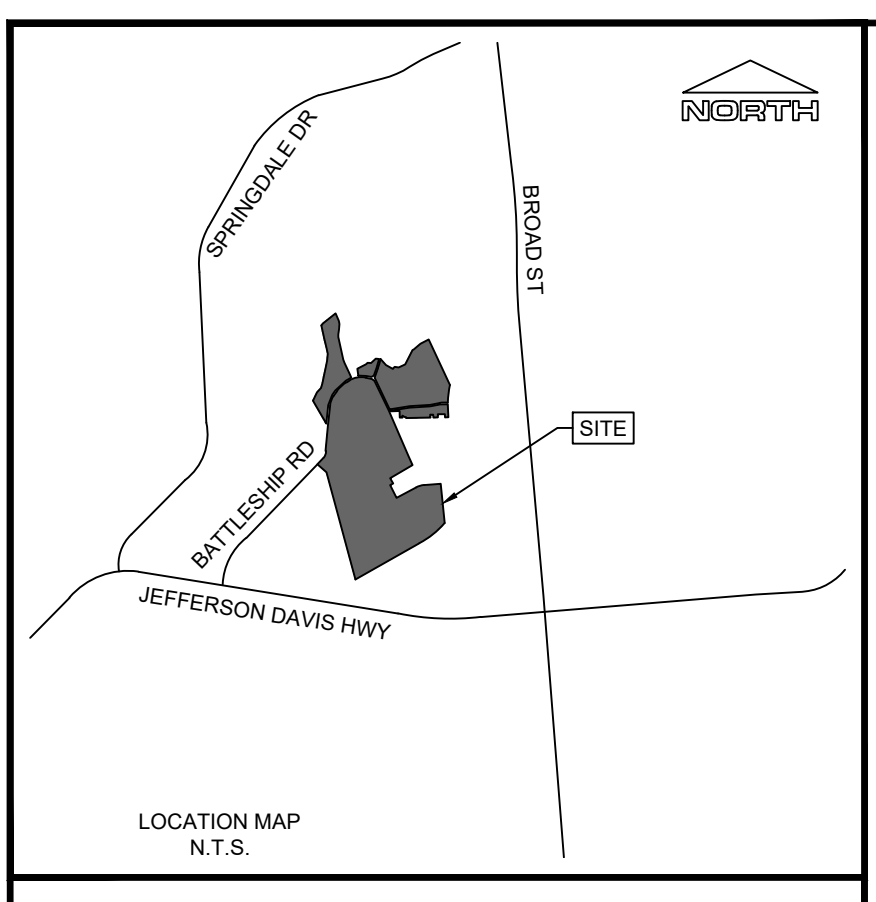
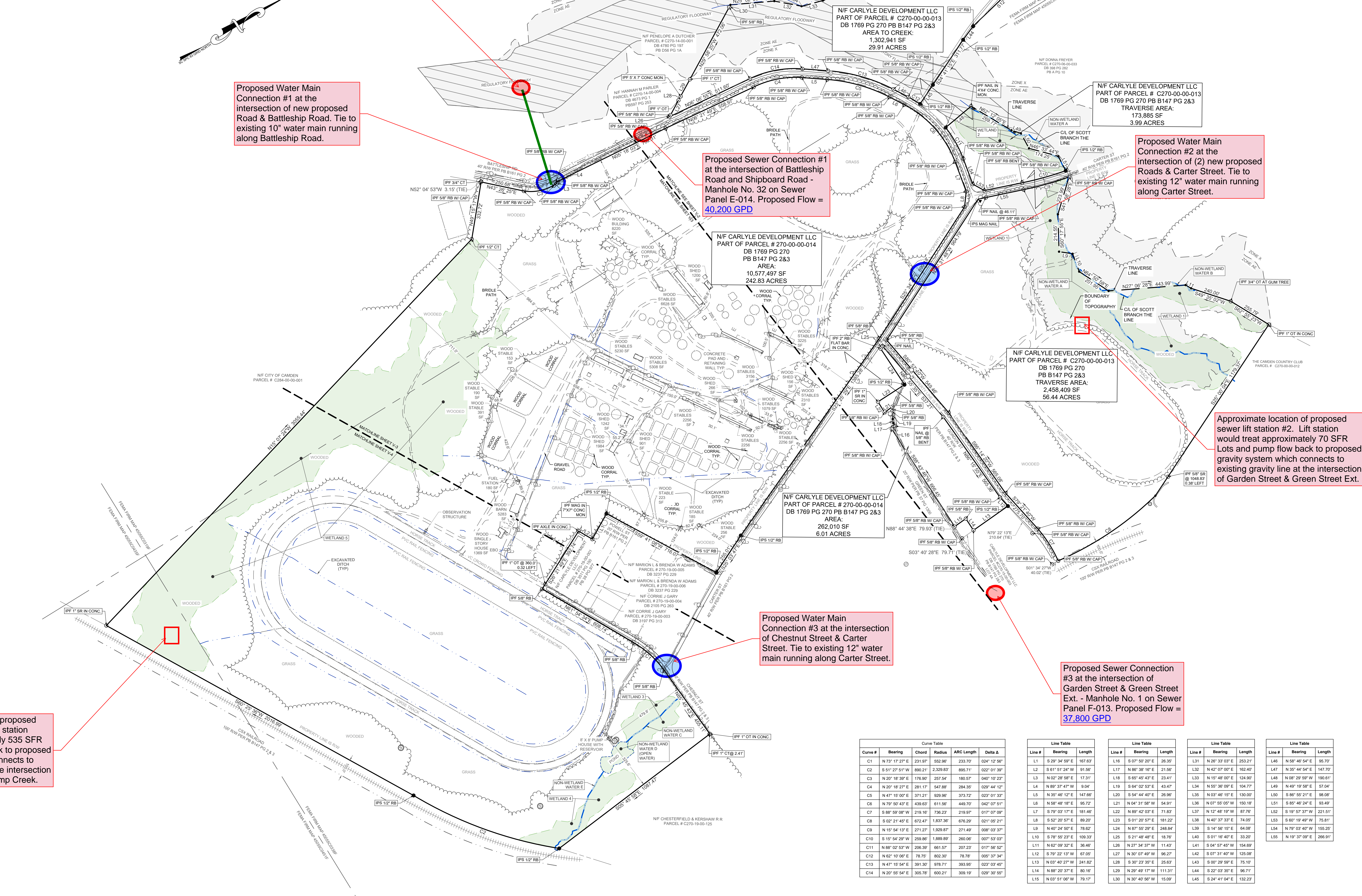


Camden Tract - Water & Sewer Exhibit



SURVEYOR'S NOTES:

- PERMIT TO THE PROVISIONS OF THE SC CODE OF LAWS, THIS PLAN SPECIFICATION OR PLAT SHALL NOT BE FILED WITH PUBLIC AUTHORITIES WITHOUT THE SEAL, SIGNATURE, AND DATE AFFIXED THEREON. IF THIS PLAN SPECIFICATION OR PLAT DOES NOT HAVE A SEAL, THAT IS SIGNED AND DATED, IT SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN A PRELIMINARY STUDY DRAWING AND WILL BE CONSIDERED A WORK IN PROGRESS.
- THE WORDS "CERTIFY," "CERTIFIES" OR "CERTIFICATION" AS USED HEREIN ARE UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE SURVEYOR, BASED UPON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF, AS SUCH, DO NOT CONSTITUTE A GUARANTEE FOR A WARRANTY, EXPRESSED OR IMPLIED.
- THE PROFESSIONAL SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OR RECORDS, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP-TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR.
- THIS PROPERTY IS SUBJECT TO ANY AND ALL EXISTING RIGHTS-OF-WAY FOR ROADS, UTILITIES AND ANY OTHER EASEMENTS THAT MAY APPEAR OF RECORD OR NOT OF RECORD.
- THE CENTERLINE OF THE EXISTING CREEK IS THE PROPERTY BOUNDARY AND IS SUBJECT TO CHANGE DUE TO NATURAL CAUSES. THE LINE SHOWN HEREON IS A REPRESENTATION OF THE CREEK AT THE TIME OF SURVEY.
- HORIZONTAL DATUM: NAD 83-2011 (SCVRS)
VERTICAL DATUM: NAVD 83 (SCVRS)
CONTIGUOUS INTERSECTION: LE202
- POINTS SURVEYED AND MAPPED ARE LISTED IN GRID DISTANCES. COORDINATES SHOWN ARE BASED ON S.C. STATE NAD 83 (2011) DATUM, UNLESS OTHERWISE STATED.
- NGS MONUMENT OBSERVED AT TIME OF FIELD SURVEY:
RD: E2020
N: 87833.86
E: 214623.83
RL: 175.72
- THIS PLAT IS A RETRACEMENT SURVEY OF AN EXISTING LOT OF RECORD AND MONUMENTATION LOCATED IN THE FIELD.
- ALL PINS SET 1/2" OR 5/8" REBAR AS NOTED.
- THE SUBJECT PROPERTY HAS DIRECT PHYSICAL ACCESS TO CHESTNUT STREET, CARTER STREET, BATTLESHIP ROAD, DEDICATED PUBLIC STREETS OR HIGHWAYS.
- THERE IS NO VISIBLE EVIDENCE OF CEMETERIES ON THE SUBJECT PROPERTY.
- SQUARE FOOTAGE (SF) AND DIMENSIONS OF STRUCTURES ARE FOR INFORMATIONAL PURPOSES ONLY, NOT FOR SALE OR LEASE PURPOSES.
- BUILDING AREAS SHOWN HEREON ARE FOR THE FOOTPRINT OF THE BUILDING ONLY.
- NO ATTEMPT WAS MADE TO DETERMINE ENVIRONMENTAL ISSUES, UNLESS OTHERWISE NOTED.
- WETLANDS SHOWN HEREON WERE DELINEATED BY EAS PROFESSIONALS ON 07/19/2023 THROUGH 07/21/2023. THIS DEPICTION CONTAINS DATA ON NON-WETLAND FEATURES BUT IT IS NOT VALID UNTIL APPROVAL BY WRITING BY THE U.S. ARMY CORPS OF ENGINEERS. REFER TO U.S. WETLANDS PLAN FOR ADDITIONAL WETLANDS INFORMATION.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT SURVEYED OR EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO EVIDENCE OR STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERGROUND CONDITIONS, CONTAMINANTS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY.
- THE EXISTING UTILITIES SHOWN WERE LOCATED USING THE ASCE 38-02 STANDARD QUALITY LEVEL C FOR SUBSURFACE UTILITY ENGINEERING AND SURVEYING. UTILITIES WERE LOCATED FROM ABOVE GROUND EVIDENCE OR EXISTING DRAWINGS PROVIDED BY VARIOUS SOURCES. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN.
- ALL STATEMENTS HEREON RELATED TO UTILITIES, IMPROVEMENTS, STRUCTURES, BUILDINGS, PARTY WALLS, PARKING, EASEMENTS, AND ENCUMBRANCES ARE BASED SOLELY ON ABOVE GROUND, VISIBLE EVIDENCE, UNLESS ANOTHER SOURCE OF INFORMATION IS SPECIFICALLY REFERENCED HEREON.
- ALL PIPE SIZES, MATERIALS, DIRECTIONS AND INVERTS (FLOW), ARE APPROXIMATE AND BASED SOLELY ON ABOVE GROUND OBSERVATIONS AND/OR (IF AVAILABLE) EXISTING PLANS, PLATS OR DEEDS PROVIDED BY THE ISSUING GOVERNMENT AGENCY.
- MANHOLES LOCATED IN THE LANE OF TRAFFIC ARE ACCESSIBLE WITHOUT A LANE CLOSURE AND ARE NOT CONSIDERED A PART OF THIS SURVEY.
- CONTOURS WERE CREATED FROM LIDAR DATA OBTAINED BY UNMANNED AERIAL VEHICLE (UAV) AND PRODUCED IN ACCORDANCE WITH THE STANDARDS ESTABLISHED BY CHAPTER 3 OF THE FEDERAL GEOGRAPHIC DATA COMMITTEE (FGDC) AND THE NATIONAL STANDARDS FOR LAND SURVEYING IN THE STATE OF SOUTH CAROLINA.
- ALTITUDE OF SENSOR: 1717.60L
DATE OF DATA SET ACQUISITION: 07/19/2023
DATE OF DATA SET COMPIATION: 07/20/2023
- BASED ON MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AVAILABLE ONLINE AT WWW.FEMA.GOV AND BY GEORGEIAK.COM ONLINE AT WWW.GEORGEIAK.COM. THE SUBJECT PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X-AE ON FLOOD INSURANCE RATE MAP (FIRM) NO. 480502038F, WHICH BEARS AN EFFECTIVE DATE OF 09/08/2015, & MAP (FIRM) NO. 480502038F, WHICH BEARS AN EFFECTIVE DATE OF 09/08/2015, AND IS PARTIALLY IN A SPECIAL FLOOD HAZARD AREA.



Proposed Sewer Connection #2
at the intersection of 5 Bridges Road and Camp Creek -
Manhole No. 27 on Sewer Panel E-014. Proposed Flow = 162,000 GPD

Proposed Water Main Connection #1 at the intersection of new proposed Road & Battleship Road. Tie to existing 10" water main running along Battleship Road.

Proposed Sewer Connection #1 at the intersection of Battleship Road and Shipboard Road -
Manhole No. 32 on Sewer Panel E-014. Proposed Flow = 40,200 GPD

Proposed Water Main Connection #2 at the intersection of (2) new proposed Roads & Carter Street. Tie to existing 12" water main running along Carter Street.

Approximate location of proposed sewer lift station #2. Lift station would treat approximately 70 SFR Lots and pump flow back to proposed gravity system which connects to existing gravity line at the intersection of Garden Street & Green Street Ext.

Proposed Water Main Connection #3 at the intersection of Chestnut Street & Carter Street. Tie to existing 12" water main running along Carter Street.

Proposed Sewer Connection #3 at the intersection of Garden Street & Green Street Ext. - Manhole No. 1 on Sewer Panel F-013. Proposed Flow = 37,800 GPD

Approximate location of proposed sewer lift station #1. Lift station would treat approximately 535 SFR Lots and pump flow back to proposed gravity system which connects to existing gravity line at the intersection of 5 Bridges Road & Camp Creek.

Curve Table					Line Table			Line Table			Line Table			Line Table			
Curve #	Bearing	Chord	Radius	ARC Length	Delta Δ	Line #	Bearing	Length	Line #	Bearing	Length	Line #	Bearing	Length	Line #	Bearing	Length
C1	N 73° 17' 27" E	231.97	552.96	253.70	024° 12' 56"	L1	S 20° 34' 59" E	147.62	L16	S 07° 50' 20" E	26.39	L31	N 26° 33' 03" E	253.21	L46	N 68° 46' 54" E	95.70
C2	S 51° 29' 51" W	660.21	2,206.83	666.71	022° 01' 58"	L2	S 01° 51' 24" W	51.58	L17	N 89° 38' 58" E	21.56	L32	N 42° 07' 00" E	162.87	L47	N 33° 44' 54" E	147.70
C3	N 20° 18' 39" E	176.89	267.54	180.57	040° 10' 23"	L3	N 02° 28' 58" E	17.31	L18	S 85° 45' 43" E	23.41	L33	N 15° 48' 00" E	124.80	L48	N 08° 29' 58" W	190.81
C4	N 20° 18' 27" E	281.17	547.98	284.30	029° 44' 12"	L4	N 89° 37' 47" W	9.04	L19	S 84° 02' 53" E	43.47	L34	N 50° 36' 09" E	104.77	L49	N 49° 19' 58" E	57.04
C5	N 47° 15' 00" E	371.21	929.96	373.72	023° 01' 33"	L5	N 30° 46' 12" E	147.60	L20	S 54° 44' 40" E	26.96	L35	N 03° 46' 15" E	130.90	L50	S 88° 00' 21" E	98.00
C6	N 79° 50' 43" E	439.63	611.56	449.70	042° 07' 51"	L6	N 58° 48' 18" E	95.72	L21	N 04° 31' 58" W	54.91	L36	N 07° 50' 05" W	150.18	L51	S 85° 46' 24" E	93.49
C7	S 88° 50' 08" W	219.16	736.23	219.97	017° 07' 00"	L7	S 79° 03' 17" E	181.40	L22	N 89° 42' 03" E	71.83	L37	N 12° 48' 19" W	87.76	L52	S 19° 57' 37" W	221.51
C8	S 02° 21' 45" E	672.47	1,837.36	676.20	021° 05' 21"	L8	S 02° 20' 57" E	89.20	L23	S 01° 20' 57" E	181.22	L38	N 40° 37' 33" E	74.65	L53	S 60° 18' 49" W	75.81
C9	N 15° 54' 13" E	271.27	1,908.87	271.49	006° 03' 37"	L9	N 40° 24' 50" E	78.62	L24	N 87° 50' 20" E	248.84	L39	S 14° 50' 15" E	64.08	L54	N 79° 03' 40" W	155.29
C10	S 15° 54' 29" W	259.86	1,899.89	260.00	007° 53' 03"	L10	S 78° 55' 23" E	109.37	L25	S 21° 48' 48" E	18.79	L40	S 01° 16' 40" E	33.20	L55	N 19° 37' 09" E	206.91
C11	N 88° 02' 53" W	208.30	661.57	207.23	017° 56' 52"	L11	N 62° 09' 32" E	36.40	L26	N 27° 34' 37" W	114.49	L41	S 04° 54' 45" W	154.69			
C12	N 62° 10' 00" E	78.70	802.30	78.78	005° 37' 34"	L12	S 79° 22' 12" W	307.60	L27	N 39° 07' 49" W	89.27	L42	S 07° 34' 40" W	125.58			
C13	N 47° 13' 54" E	381.30	978.71	383.90	023° 03' 45"	L13	N 03° 40' 27" W	241.82	L28	S 30° 23' 50" E	25.63	L43	S 00° 29' 59" E	75.10			
C14	N 20° 55' 54" E	365.78	600.21	368.19	020° 30' 55"	L14	N 88° 20' 37" E	80.16	L29	N 26° 49' 17" W	111.31	L44	S 22° 02' 36" E	96.71			
						L15	N 03° 51' 00" W	79.17	L30	N 30° 40' 56" W	15.99	L45	S 24° 04' 04" E	132.23			

HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS A SURVEY AS SPECIFIED THEREIN.

Daniel J. Stiles
SC PLS No.: 17933

BOUNDARY SURVEY FOR
CARLYLE DEVELOPMENT LLC
TRACTS 270-00-00-013 & 270-00-00-014

DATE: 09/09/2023
FIELD: D.J.T.
DRAWN: J.E.H.
REVIEWED: J.K.
APPROVED: J.K.
SCALE: 1"=200'

SHEET: V-1
SHEET 1 OF 5

STATE OF SOUTH CAROLINA
COUNTY: CAMDEN

PROFESSIONAL SURVEYOR
DANIEL J. STILES
SC PLS NO. 17933