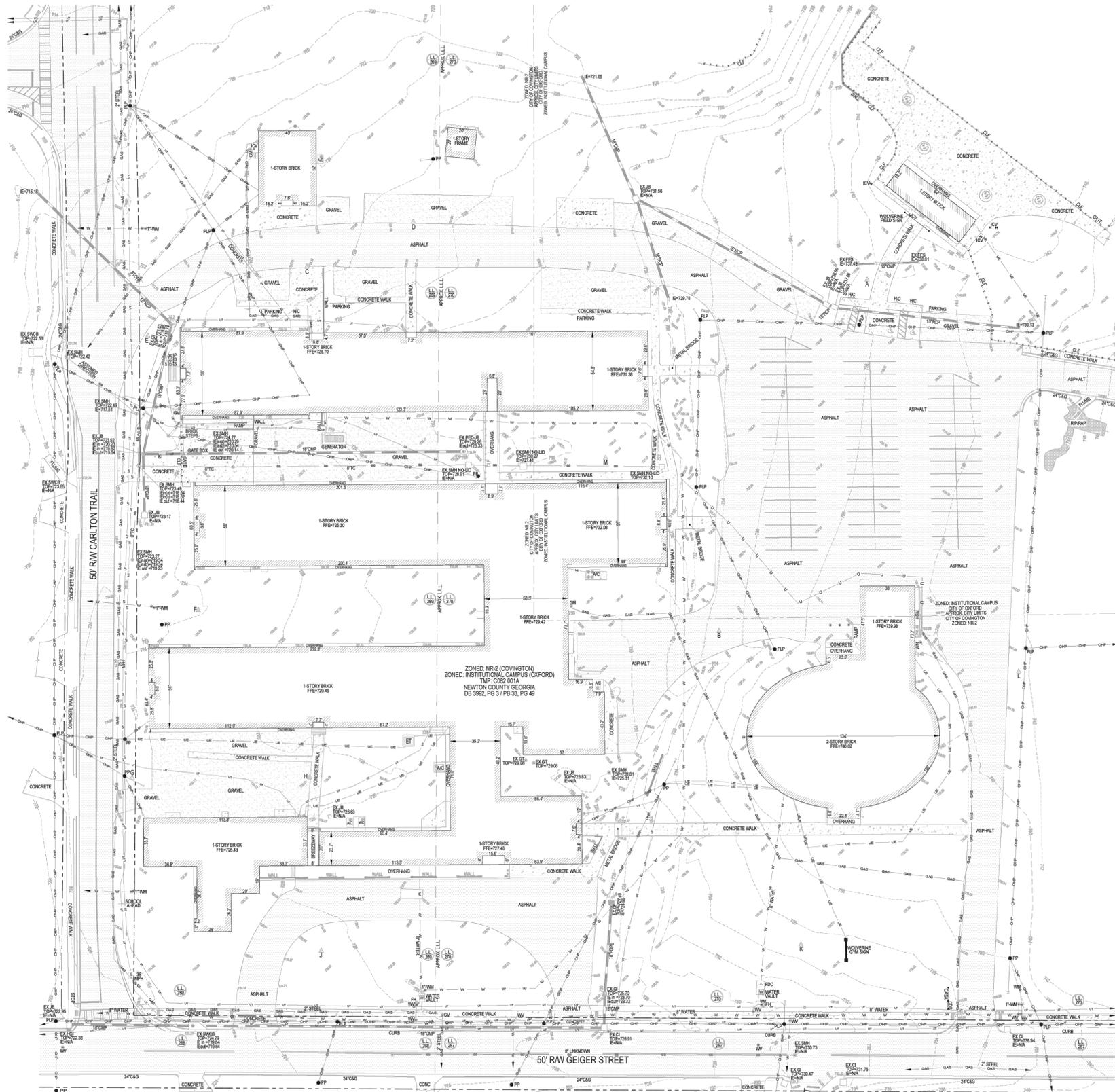


TOPOGRAPHICAL AND EXISTING CONDITIONS SURVEY

8134 GEIGER STREET
COVINGTON, GA 30014

THIS PLAT CONSTITUTES A TOPOGRAPHICAL SURVEY ONLY AND DOES NOT CONSTITUTE A BOUNDARY SURVEY. THE SURVEYOR'S CERTIFICATION EXTENDS ONLY TO THE TOPOGRAPHIC ASPECTS. THIS PLAT SHALL NOT BE RECORDED NOR USED TO CONVEY PROPERTY. THE BOUNDARY INFORMATION, AS SHOWN, WAS TAKEN FROM A PLAT AND SURVEY BY LOUIE D. PATRICK, DATED 03/01/1999 AND RECORDED IN PLAT BOOK 33, PAGE 49, NEWTON COUNTY RECORDS. THIS IS AN EXISTING TRACT KNOWN AS TAX MAP PARCEL C022 001A, NEWTON COUNTY, GEORGIA. THE CURRENT OWNER, AS PER THE INDICATED TAX RECORDS IS NEWTON COUNTY, GEORGIA. THE PROPERTY ADDRESS IS 8134 GEIGER STREET, COVINGTON, GEORGIA, 30014.

THIS BLOCK RESERVED FOR THE CLERK OF THE SUPERIOR COURT.



- ### LEGEND
- ⊘ = IRRIGATION CONTROL VALVE
 - ⊘ = HANDICAP PARKING
 - ⊘ = SINGLE WING CATCH BASIN
 - ⊘ = FIRE HYDRANT
 - ⊘ = COMMUNICATION POLE
 - ⊘ = TELEPHONE JUNCTION BOX
 - ⊘ = TELEPHONE PEDESTAL
 - ⊘ = BENCH MARK
 - ⊘ = GAS MARKER
 - ⊘ = GAS METER
 - ⊘ = GAS VALVE
 - ⊘ = GREASE TRAP
 - ⊘ = ELECTRIC BOX
 - ⊘ = ELECTRIC METER
 - PLP = POWERLIGHT POLE
 - PP = POWER POLE
 - = GUY ANCHOR WIRE
 - = SIGN
 - = BOLLARD
 - ⊘ = ELECTRIC TRANSFORMER
 - ⊘ = SANITARY SEWER MAN HOLE
 - ⊘ = CLEAN OUT
 - ⊘ = DRAINAGE MANHOLE
 - ⊘ = GRATE INLET
 - ⊘ = DOWN SPOUT
 - ⊘ = FIRE DEPARTMENT CONNECTION
 - ⊘ = DECIDUOUS TREE
 - ⊘ = WATER VAULT
 - ⊘ = WATER METER
 - ⊘ = WATER VALVE
 - ⊘ = HOODED GRATE INLET
 - ⊘ = KEY PAD
 - = STORM PIPE
 - GAS— = GAS LINE
 - OHP— = OVERHEAD POWER
 - SS— = SANITARY SEWER LINE
 - T— = UNDERGROUND TELEPHONE
 - U— = UNKNOWN UTILITY
 - UE— = UNDERGROUND ELECTRIC/POWER
 - W— = WATER LINE
 - X— = FENCE LINE
 - AC = HEATING & AIR CONDITIONER UNIT
 - APPROX. = APPROXIMATE
 - CI = CURB INLET
 - CLF = CHAIN LINK FENCE
 - CMP = CORRUGATED METAL PIPE
 - CO = CLEANOUT
 - DB = DEED BOOK
 - EX. = EXISTING
 - FDC = FIRE DEPARTMENT CONNECTION
 - FES = FLARED END STRUCTURE
 - FFE = FINISH FLOOR ELEVATION
 - FH = FIRE HYDRANT
 - GI = GRATE INLET
 - GM = GAS METER
 - GT = GREASE TRAP
 - GV = GAS VALVE
 - H/C = HANDICAP
 - HDPE = HIGH DENSITY POLYETHYLENE
 - HGI = HOODED GRATE INLET
 - ICV = IRRIGATION CONTROL VALVE
 - IE = INVERT ELEVATION
 - JB = JUNCTION BOX
 - LL. = LAND LOT
 - L.L.L. = LAND LOT LINE
 - N/A = NO ACCESS
 - NTS = NOT TO SCALE
 - PB = PLAT BOOK
 - PED = PEDESTAL
 - PG = PAGE
 - PLP = POWERLIGHT POLE
 - RW = RIGHT OF WAY
 - RCP = REINFORCED CONCRETE PIPE
 - SMH = SANITARY SEWER MANHOLE
 - SWCB = SINGLE WING CATCH BASIN
 - TC = TERRA COTTA CLAY PIPE
 - TMP = TAX MAP PARCEL
 - WM = WATER METER
 - WV = WATER VALVE

- ### SURVEY NOTES
- THE DATUM FOR THIS SITE WAS ESTABLISHED UTILIZING GLOBAL POSITIONING SYSTEMS AND THE BASED REFERENCE FRAME ON POSITIONAL VALUES FOR THE VIRTUAL REFERENCE STATION NETWORK DEVELOPED BY EGGS SOLUTIONS. THE HORIZONTAL DATUM IS GEORGIA STATE PLANE WEST ZONE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD83).
 - THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
 - THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. SUBJECT AND ADJACENT PROPERTY OWNERS' DEED AND PLAT REFERENCES WERE OBTAINED BY GEORGIA CIVIL, INC. AND ARE NOT GUARANTEED AS TO ACCURACY NOR COMPLETENESS.
 - ALL DEED AND PLAT BOOK REFERENCES AS SHOWN HEREON ARE RECORDED IN THE CLERK OF SUPERIOR COURT'S OFFICE OF NEWTON COUNTY, GEORGIA.
 - STRUCTURES VISIBLE ON THE DATE OF THE SURVEY ARE AS SHOWN HEREON. ALL LOCATIONS ARE ACCURATE ONLY WHERE DIMENSIONED.
 - THIS PROPERTY IS LOCATED IN ZONE "X" AND IS NOT SHOWN TO BE LOCATED WITHIN THE LIMITS OF A SPECIAL FLOOD HAZARD AREA, PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP NO. 1321700107D AND 1321700126D, EFFECTIVE DATE: 03/17/2014. THIS STATEMENT IS BASED ON GRAPHICALLY LOCATING THE SUBJECT PROPERTY ON SAID MAP. NO ADDITIONAL FIELD WORK HAS BEEN COMPLETED TO VERIFY THIS INFORMATION.
 - THE CERTIFICATION, AS SHOWN HEREON, IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. THE CERTIFICATION IS NOT AN EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE. THE TERM "CERTIFICATION" AS USED IN RULE 1180-6-09(2) AND (3) AND RELATING TO PROFESSIONAL ENGINEERING OR LAND SURVEYING SERVICES, AS DEFINED IN O.C.G.A. 43-15-2(8) AND (11), SHALL MEAN A SIGNED STATEMENT BASED UPON FACTS AND KNOWLEDGE KNOWN TO THE REGISTRANT AND IS NOT A GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED.
 - THIS SURVEY COMPLIES WITH BOTH THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE OFFICIAL CODE OF GEORGIA ANNOTATED (O.C.G.A. 15-8-87, IN THAT WHERE A CONFLICT EXISTS BETWEEN THOSE TWO SETS OF SPECIFICATIONS, THE REQUIREMENTS OF LAW PREVAIL).
 - UTILITIES, AS SHOWN HEREON, ARE BASED ON ABOVE GROUND VISIBLE EVIDENCE AND MARKINGS PROVIDED BY MC UTILITY SURVEYING, LLC, DATED 11/28/2023. THE SURVEYOR DOES NOT WARRANT THE EXACT SIZE, TYPE, LOCATION, ACCURACY OR THOROUGHNESS OF THE INFORMATION CONCERNING THE ABOVE-GROUND UTILITIES AND STRUCTURES. NO GUARANTEE IS MADE THAT OTHER UTILITIES MAY EXIST ON THE SITE, THAT MAY NOT BE SHOWN.
 - THE FIELD DATA UPON WHICH THIS MAP OR PLAT IS BASED HAS AN AVERAGE RELATIVE ACCURACY OF 0.03 FEET AT A 95% CONFIDENCE LEVEL AND HAS NOT BEEN ADJUSTED. THIS PLAT HAS NOT BEEN CALCULATED FOR CLOSURE. THE LINEAR AND ANGULAR MEASUREMENTS SHOWN ON THIS PLAT WERE OBTAINED BY UTILIZING A GEOMAX ROBOTIC TOTAL STATION AND A CARLSON BR7 GPS UNIT (MFG#192: 168.10.1) IN THE PREPARATION OF THIS PLAT. THE FIELD MEASUREMENTS WERE COMPLETED ON 10/07/2023.
 - THIS PROPERTY IS SUBJECT TO ALL RIGHT OF WAYS AND EASEMENTS OF RECORD.
 - IN MY OPINION, THIS IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF LAW.
 - THIS PLAT HAS BEEN COMPLETED FOR THE USE AND PURPOSE OF THE CLIENT ASCRIBED AND CONTRACTED WITH HEREON. ALL OTHER PARTIES ARE SUBSEQUENTLY PUT ON NOTICE AS TO THE LIMITED DEGREE OF RELIANCE UPON THIS PLAT BY THIRD PARTIES.
 - THE TOPOGRAPHICAL INFORMATION SHOWN HEREON IS BASED ON FIELD SURVEYED DATA. ELEVATIONS SHOWN ARE BASED ON NAV88 (COMPUTED USING GEOID16).

COORDINATE TABLE

STATE PLANE COORDINATES-GA WEST-NAD 83

POINT	NORTHING	EASTING	ELEV.	DESC.
A	1313776.29410	2385434.45620	739.20	MAG NAIL
B	1313833.48300	2385331.60780	735.02	MAG NAIL
C	1313785.18600	2385045.17920	723.23	MAG NAIL
D	1313816.32910	2385118.91500	728.91	MAG NAIL
E	1313737.49600	2384934.65640	722.46	MAG NAIL
F	1313547.91680	2384989.73440	723.85	MAG NAIL
G	1313431.95900	2384923.79840	724.49	MAG NAIL
H	1313432.36460	2385047.07820	725.24	MAG NAIL
J	1313312.41800	2385005.07790	725.40	MAG NAIL
K	1313316.75530	2385388.46290	735.16	MAG NAIL
L	1313505.91270	2385539.87570	741.28	MAG NAIL
M	1313553.16590	2385532.76970	731.14	MAG NAIL

ELEVATIONS SHOWN IN FEET-NAVD 88-GEOID12A



ALPHA SITE SET 08-08-2024



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GEORGIA PROFESSIONAL LAND SURVEYOR
No. 2629
G. BRIAN SLATE

SURVEYED BY:
G. BRIAN SLATE, PLS#2629
C: 706-201-0996
bslate@georgiacivil.com

THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE OFFICIAL CODE OF GEORGIA ANNOTATED (O.C.G.A. 15-8-87, AS AMENDED BY HB1004 (2016)).
CERTIFICATE OF AUTHORIZATION LS9001055
Project Information

NEWTON COUNTY GEORGIA
IN LAND LOTS 289 & 270 OF THE 9th LAND DISTRICT
IN THE CITY OF OXFORD AND THE CITY OF COVINGTON
NEWTON COUNTY, GEORGIA

SURVEY FOR:

CREW CHIEF:	TG
SURVEYED:	12/07/2023
PROJECT #:	23SB8009
DRAWING DATE:	12/15/2023
DRAWN BY:	GBS
CHECKED BY:	GBS
REVISIONS	
DATE:	DESCRIPTION:

SCALE: 1"=40'
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TOPOGRAPHICAL AND EXISTING CONDITIONS SURVEY

Sheet Number
TS-1
GEORGIA PROFESSIONAL LAND SURVEYOR, PLS#2629

ALPHA SITE SET 08-08-2024

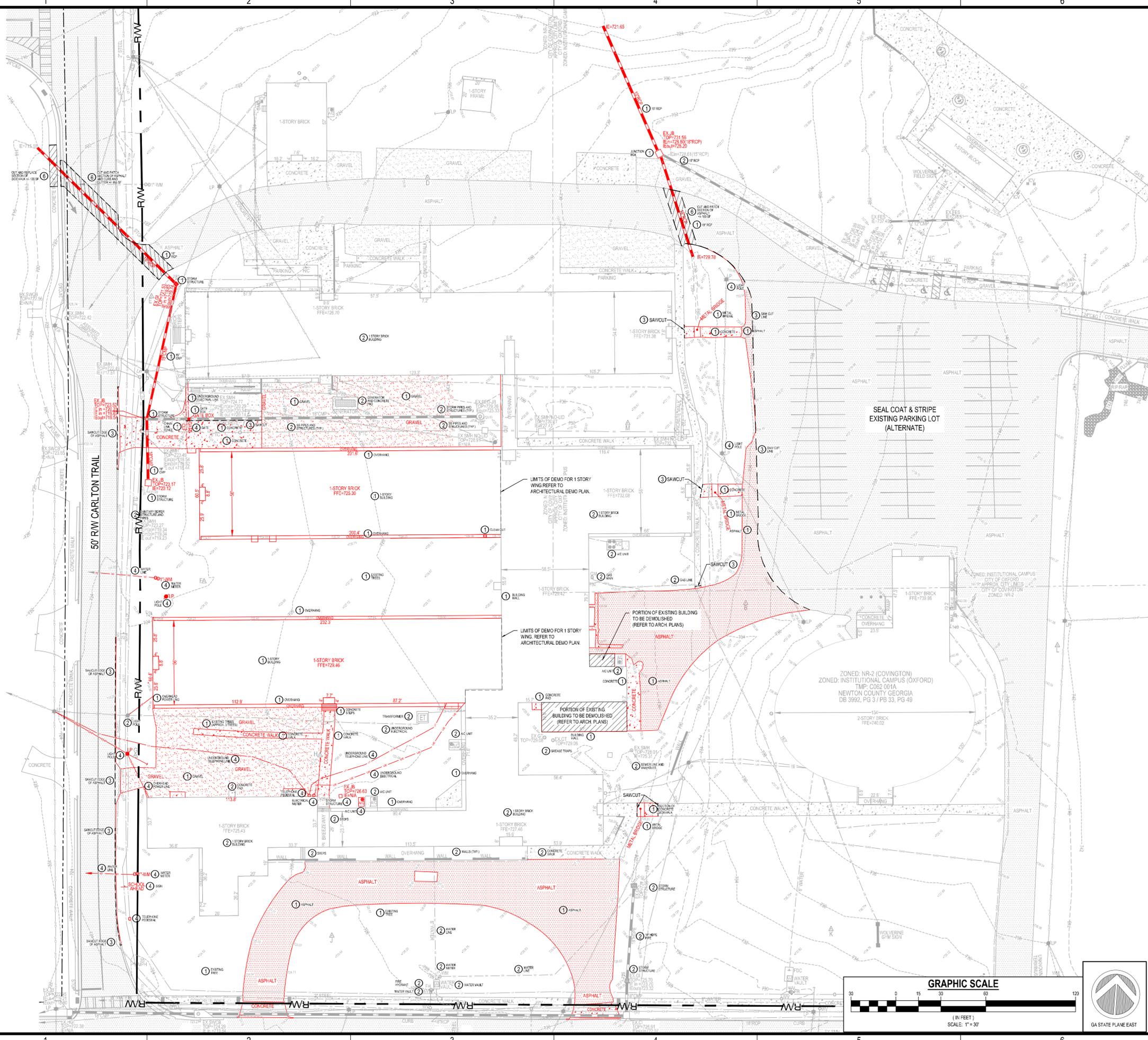


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COVINGTON, GA 30014
ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT



DEMOLITION LEGEND:

1 DEMOLISH AND REMOVE	5 REMOVE AND TURN OVER TO OWNER
2 SAVE AND PROTECT	6 CUT AND PATCH
3 SAW CUT LINE	
4 RELOCATE/REMOVE AS NECESSARY	

OWNER/DEVELOPER
COMPANY: NEWTON COUNTY GEORGIA
ADDRESS: 1124 CLARK ST
COVINGTON, GA 30014
PHONE: 404-992-3050
CONTACT: JEFF PRINE
EMAIL: JPRINE@ASCENSION-PM.COM

CONTRACTOR
COMPANY: SUNBELT BUILDERS
ADDRESS: 10641 HIGHWAY 36
COVINGTON, GA 30014
CONTACT: MIKE MCCROREY
PHONE: 770.786.3031
EMAIL: MMCCROREY@SUNBELTBUILDERS.COM

JASON P. BROWN
LEVEL II CERTIFIED
DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

24-HOUR CONTACT
MIKE MCCROREY
404.644.2939

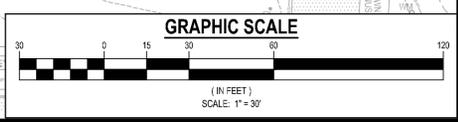
SURVEYOR
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896 MADISON, GA 30650
PHONE: 706.342.1104
CONTACT: BRIAN SLATE
EMAIL: BSLATE@GEORGIA811.COM

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

DRAWING DATE: 7/2/2024
DRAWN BY: MCS
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DEMOLITION AND
REMOVAL PLAN

Sheet Number
C-2.0



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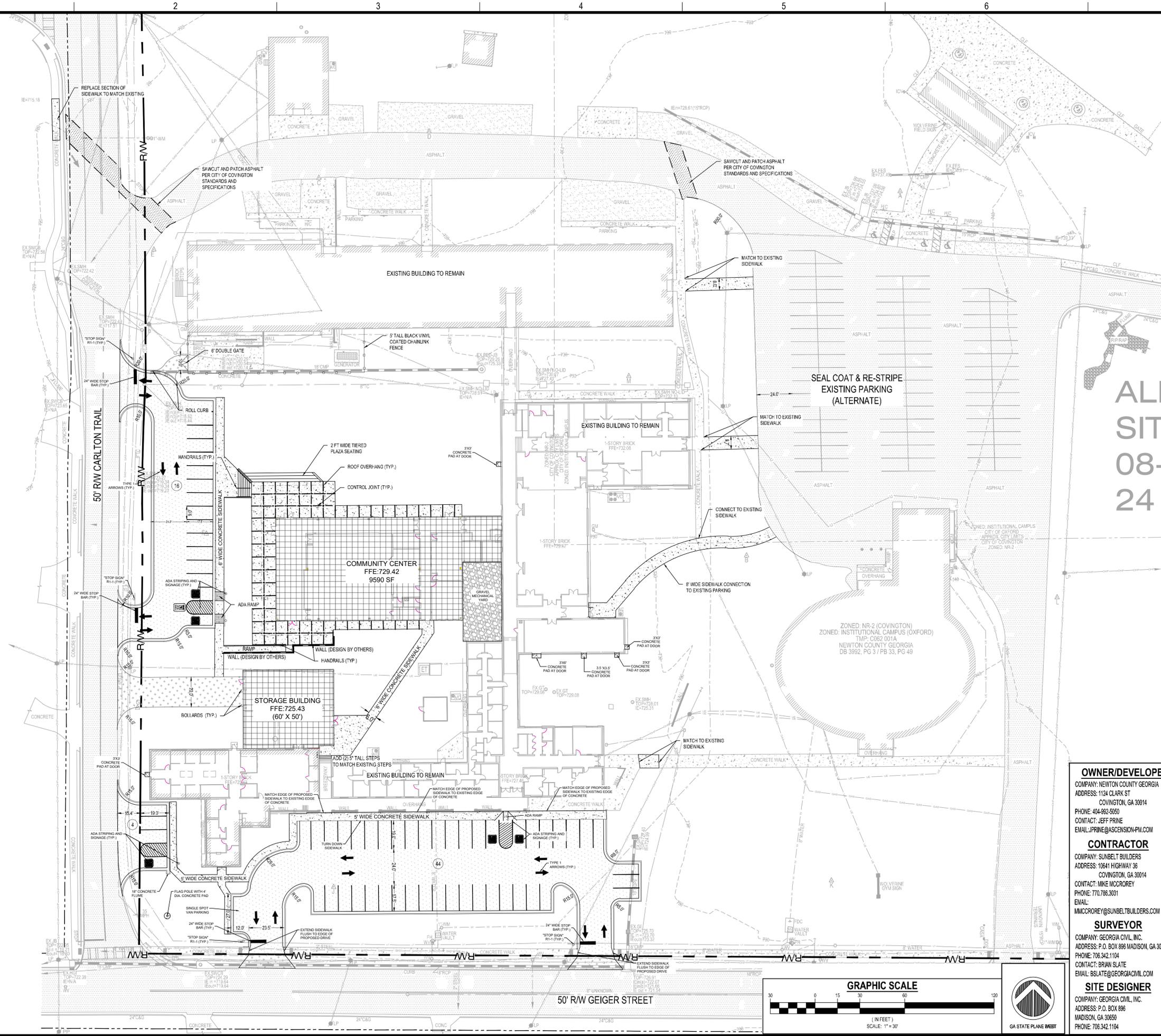
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ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT

ALPHA SITE SET 08-08-20 24



PAVING LEGEND:

HD = HEAVY DUTY
SD = STANDARD DUTY

	HD CONCRETE PAVING
	SD CONCRETE PAVING
	SD ASPHALT PAVING

REFER TO DETAILS FOR SECTION REQUIREMENTS.

- NOTES:**
- ALL STRIPING SHOWN INCLUDING ARROWS, STOPBARS, AND PARKING SPACES REFLECTS STRIPING TO BE DONE BY CONTRACTOR.
 - ALL PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO ACCEPTANCE BY THE IA AND/OR ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
 - THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF STOP SIGNS.

OWNER/DEVELOPER
COMPANY: NEWTON COUNTY GEORGIA
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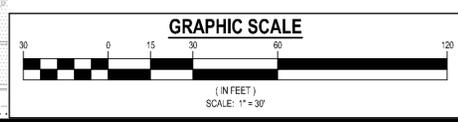
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LAYOUT & STAKING PLAN

Sheet Number
C-2.1





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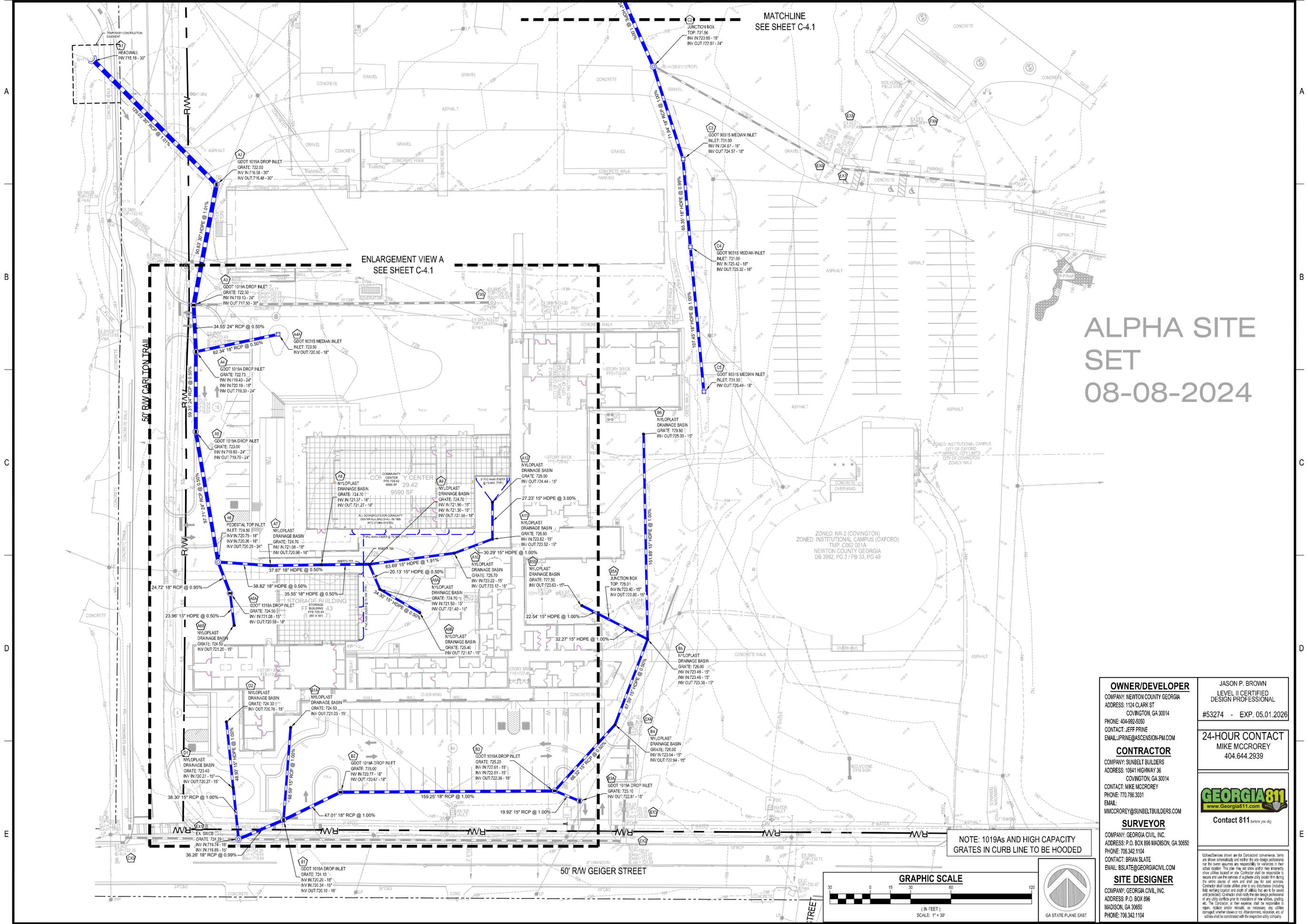
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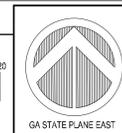
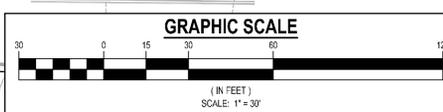
ALPHA SITE SET
08-08-2024



ENLARGEMENT VIEW A
SEE SHEET C-4.1

MATCHLINE
SEE SHEET C-4.1

NOTE: 1019As AND HIGH CAPACITY
GRATES IN CURB LINE TO BE HOODED



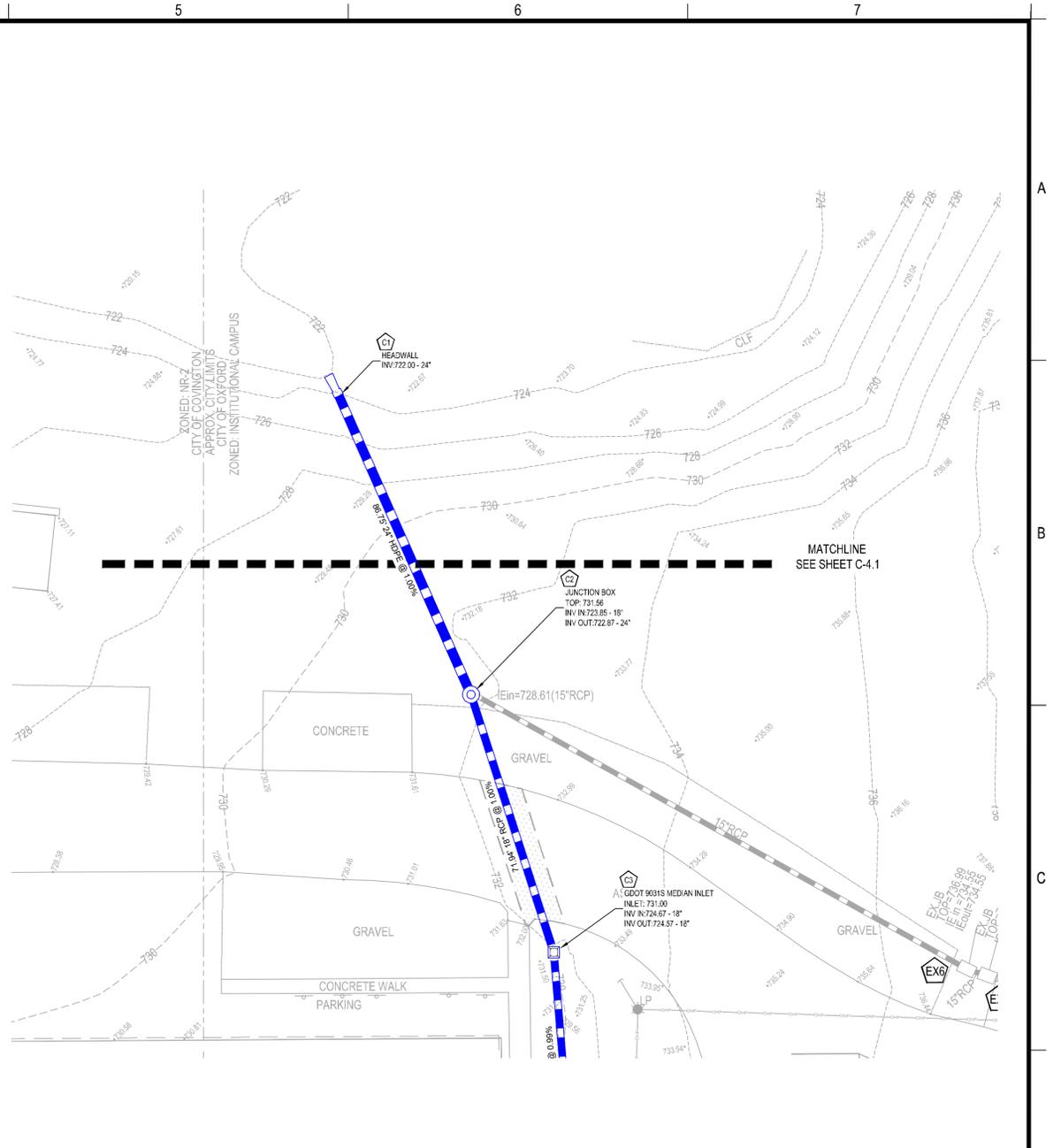
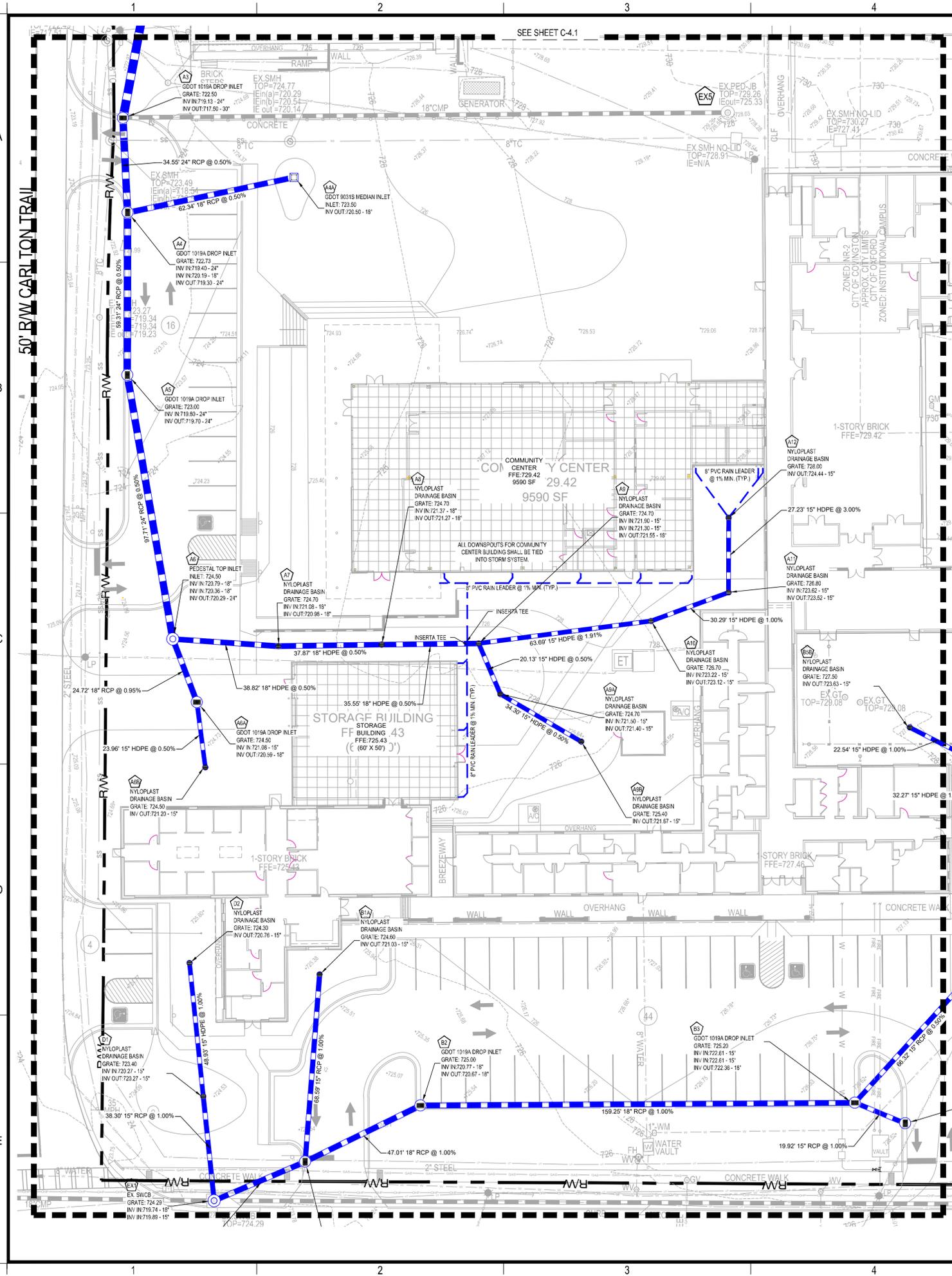
<p>OWNER/DEVELOPER COMPANY: NEWTON COUNTY GEORGIA ADDRESS: 1124 CLARK ST COVINGTON, GA 30014 PHONE: 404-992-3050 CONTACT: JEFF PRINE EMAIL: JPRINE@ASCENSION-PM.COM</p>	<p>JASON P. BROWN LEVEL II CERTIFIED DESIGN PROFESSIONAL #53274 - EXP. 05.01.2026</p>				
<p>CONTRACTOR COMPANY: SUNBELT BUILDERS ADDRESS: 10641 HIGHWAY 36 COVINGTON, GA 30014 CONTACT: MIKE MCCROREY PHONE: 770.786.3031 EMAIL: MIMCCROREY@SUNBELTBUILDERS.COM</p>	<p>24-HOUR CONTACT MIKE MCCROREY 404.644.2939</p>				
<p>SITE DESIGNER COMPANY: GEORGIA CIVIL, INC. ADDRESS: P.O. BOX 896 MADISON, GA 30650 PHONE: 706.342.1104 CONTACT: BRIAN SLATE EMAIL: BSLATE@GEORGIA-CIVIL.COM</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE:</th> <th>DESCRIPTION:</th> </tr> </thead> <tbody> <tr> <td>7/2/24</td> <td>ADDRESS CITY COMMENTS</td> </tr> </tbody> </table>	DATE:	DESCRIPTION:	7/2/24	ADDRESS CITY COMMENTS
DATE:	DESCRIPTION:				
7/2/24	ADDRESS CITY COMMENTS				

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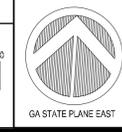
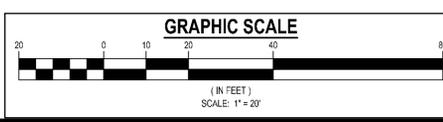
STORMWATER
MANAGEMENT PLAN

Sheet Number
C-4.0



ALPHA SITE SET
08-08-2024

NOTE: 1019As AND HIGH CAPACITY GRATES IN CURB LINE TO BE HOODED



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JASON P. BROWN
 LEVEL II CERTIFIED
 DESIGN PROFESSIONAL
 #53274 - EXP. 05.01.2026

24-HOUR CONTACT
 MIKE MCCORREY
 404.644.2939



Utilities shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for utilities in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance including field marking location and depth of utilities that are to be saved and protected. Contractor shall notify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to repair, replace and/or relocate, as necessary, any utilities damaged, whether shown or not. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.

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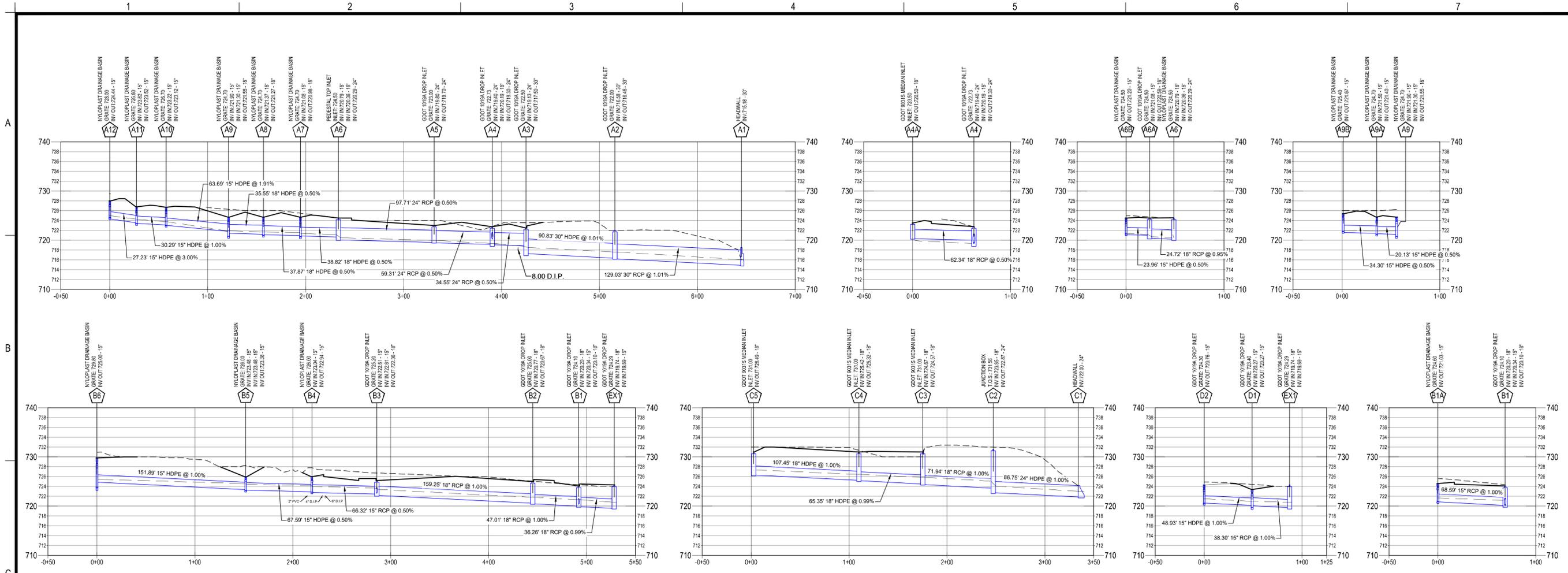
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STORMWATER
 MANAGEMENT PLAN
 ENLARGEMENTS

Sheet Number
C-4.1



25 YR STORM PIPE CHART

Line	ToLine	LineLength (ft)	Incr. Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrCx A	TotalCx A	InletTime (min)	TimeConc (min)	RhfalInt (in/hr)	TotalRunoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv BevDn (ft)	Inv BevUp (ft)	HGLDn (ft)	HGLUp (ft)	Gmd/RmDn (ft)	Gmd/RmUp (ft)	Line ID
1	Outfall	86.754	0.2	1.69	0.4	0.08	1.5	5	6.1	7.9	11.86	0	11.86	24.54	6.78	24	1	722	722.87	722.98	724.11	724.17	731.56	C2-C1
2	1	71.937	0.36	1.49	0.95	0.34	1.42	5	5.9	8	11.3	0	11.3	11.38	7.18	18	1	723.85	724.57	725.07	725.85	731.56	731	C3-C2
3	2	65.35	0.5	1.13	0.95	0.48	1.07	5	5.6	8.1	8.64	0	8.64	11.35	5.9	18	0.99	724.67	725.32	725.85	726.46	731	731	C4-C3
4	3	107.451	0.63	0.63	0.95	0.6	0.6	5	5	8.2	4.94	0	4.94	11.35	4.27	18	1	725.42	726.49	726.46	727.34	731	731	C5-C4
5	Outfall	129.033	0.38	2.25	0.95	0.36	1.81	5	11.7	6.6	11.98	0	11.98	44.6	6.54	30	1.01	715.18	716.48	716.07	717.64	718.47	722	A2-A1
6	5	90.827	0.4	1.87	0.7	0.28	1.45	5	11	6.7	9.79	0	9.79	44.71	4.99	30	1.01	716.58	717.5	717.64	718.54	722	721.67	A3-A2
7	6	34.547	0.11	1.47	0.95	0.1	1.17	5	10.8	6.8	7.95	0	7.95	24.66	6.02	24	1.01	718	718.35	718.78	719.35	721.67	722.85	A4-A3
8	7	59.314	0.07	1.03	0.95	0.07	0.92	5	10.4	6.9	6.32	0	6.32	17.43	4.89	24	0.51	718.9	719.2	719.73	720.09	722.85	723	A5-A4
9	8	97.714	0.09	0.96	0.95	0.09	0.85	5	9.6	7	6	0	6	17.35	4.81	24	0.5	719.3	719.79	720.11	720.66	723	724.5	A6-A5
10	9	38.816	0.03	0.8	0.7	0.02	0.71	5	6.8	7.7	5.48	0	5.48	7.96	4.86	18	0.49	720.29	720.48	721.2	721.39	724.5	724.7	A7-A6.1
11	10	37.87	0.07	0.77	0.95	0.07	0.69	5	6.6	7.8	5.35	0	5.35	8.06	4.58	18	0.5	720.58	720.77	721.58	721.66	724.7	724.7	A8-A7
12	11	35.548	0.23	0.7	0.95	0.22	0.62	5	6.4	7.8	4.87	0	4.87	8.1	4.36	18	0.51	720.87	721.05	721.85	721.9	724.7	724.7	A9-A8
13	12	63.693	0.07	0.28	0.95	0.07	0.27	5	5.8	8	2.13	0	2.13	11.83	3.74	15	2.86	721.3	723.12	721.9	723.7	724.7	726.7	A10-A9
14	13	30.292	0.05	0.21	0.95	0.05	0.2	5	5.4	8.1	1.62	0	1.62	6.96	3.6	15	0.99	723.22	723.52	723.7	724.02	726.7	726.8	A11-A10
15	14	27.231	0.16	0.16	0.95	0.15	0.15	5	5	8.2	1.25	0	1.25	12.14	3.44	15	3.01	723.62	724.44	724.02	724.88	726.8	728.6	A12-A11
16	12	20.13	0.05	0.19	0.95	0.05	0.14	5	5.9	8	1.1	0	1.1	4.93	2.51	15	0.5	721.3	721.4	721.9	721.81	724.7	724.7	A9A-A9
17	16	34.298	0.14	0.14	0.65	0.09	0.09	5	5	8.2	0.75	0	0.75	4.92	2.85	15	0.5	721.5	721.67	721.83	722.01	724.7	724.8	A9B-A9A
18	9	24.717	0.04	0.07	0.95	0.04	0.06	5	8	7.4	0.43	0	0.43	10.97	2.02	18	0.93	720.36	720.59	720.66	720.83	724.5	724.5	A6A-A6
19	18	23.958	0.03	0.03	0.65	0.02	0.02	5	5	8.2	0.16	0	0.16	4.95	1.83	15	0.5	721.08	721.2	721.23	721.36	724.5	724.5	A6B-A6A
20	7	62.338	0.33	0.33	0.45	0.15	0.15	5	5	8.2	1.22	0	1.22	8.02	3.19	18	0.5	720.19	720.5	720.59	720.91	722.85	723.5	A4A-A4
21	Outfall	36.264	0.18	2.18	0.95	0.17	1.68	5	8.3	7.3	12.3	0	12.3	11.33	6.96	18	0.99	719.74	720.1	721.24	721.66	722.24	724.1	B1-EX
22	21	47.007	0.25	1.94	0.95	0.24	1.46	5	8.2	7.4	10.73	0	10.73	11.38	6.07	18	1	720.2	720.67	722.69	723.11	724.1	725	B2-B1
23	22	159.25	0.2	1.69	0.95	0.19	1.22	5	7.7	7.5	9.13	0	9.13	11.37	5.17	18	1	720.77	722.36	723.53	724.55	725	725.3	B3-B2
24	23	66.323	0.11	1.43	0.8	0.09	0.97	5	7.5	7.5	7.33	0	7.33	4.93	5.97	15	0.5	722.61	722.94	725.17	725.9	725.3	726	B4-B3
25	24	67.587	0.64	1.32	0.65	0.42	0.89	5	7.3	7.6	6.71	0	6.71	4.96	5.47	15	0.5	723.04	723.38	726.25	726.87	726	726	B5-B4
26	25	32.275	0.25	0.43	0.65	0.16	0.31	5	5.4	8.1	2.49	0	2.49	6.97	2.03	15	0.99	723.48	723.8	727.89	727.93	726	728.01	B5A-B5
27	25	151.89	0.25	0.25	0.65	0.16	0.16	5	5	8.2	1.34	0	1.34	7	1.09	15	1	723.48	725	727.89	727.94	726	731.45	B6-B5
28	26	22.538	0.18	0.18	0.8	0.14	0.14	5	5	8.2	1.19	0	1.19	7.07	0.97	15	1.02	723.4	723.63	727.94	727.94	728.01	727.5	B5B-B5A
29	23	19.919	0.06	0.06	0.95	0.06	0.06	5	5	8.2	0.47	0	0.47	7.01	0.38	15	1	722.61	722.81	725.17	725.17	725.3	725.08	B3A-B3
30	21	68.591	0.06	0.06	0.85	0.05	0.05	5	5	8.2	0.42	0	0.42	7.02	0.34	15	1.01	720.34	721.03	722.69	722.69	724.1	724.6	B1A-B1
31	Outfall	38.298	0.11	0.17	0.65	0.07	0.12	5	7.5	7.5	0.9	0	0.9	6.97	3.42	15	0.99	719.89	720.27	720.19	720.64	722.24	723.4	D1-EX
32	31	48.931	0.06	0.06	0.8	0.05	0.05	5	5	8.2	0.4	0	0.4	7	1.82	15	1	720.27	720.76	720.64	721	723.4	724.3	D2-D1

ALPHA SITE SET
08-08-2024

LEGEND

EG -----
FG -----
HGL -----

NOTE: 1019As AND HIGH CAPACITY GRATES IN CURB LINE TO BE HOODED

STORMWATER MANAGEMENT PROFILES
SCALE: HORIZONTAL: 1"=50'
VERTICAL: 1"=10'

OWNER/DEVELOPER
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LEVEL II CERTIFIED DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

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PHONE: 706.342.1104
CONTACT: BRIAN SLATE
EMAIL: BSLATE@GEORGIA-CIVIL.COM

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

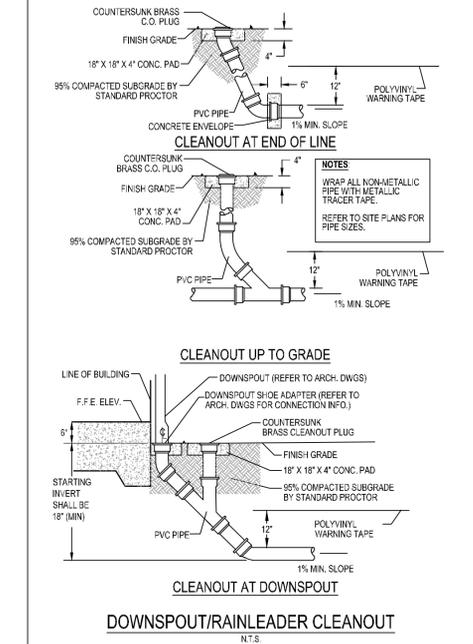
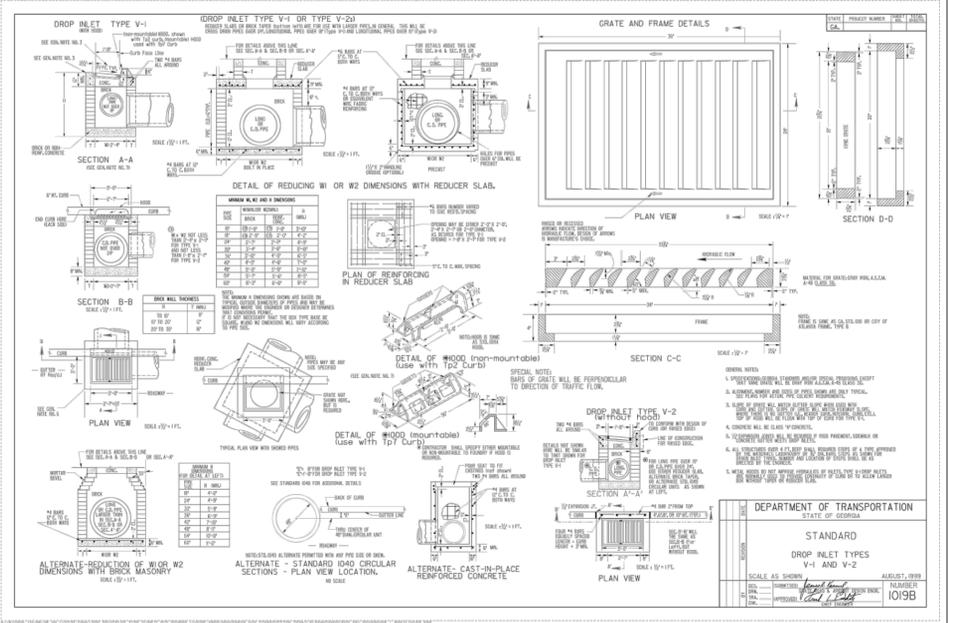
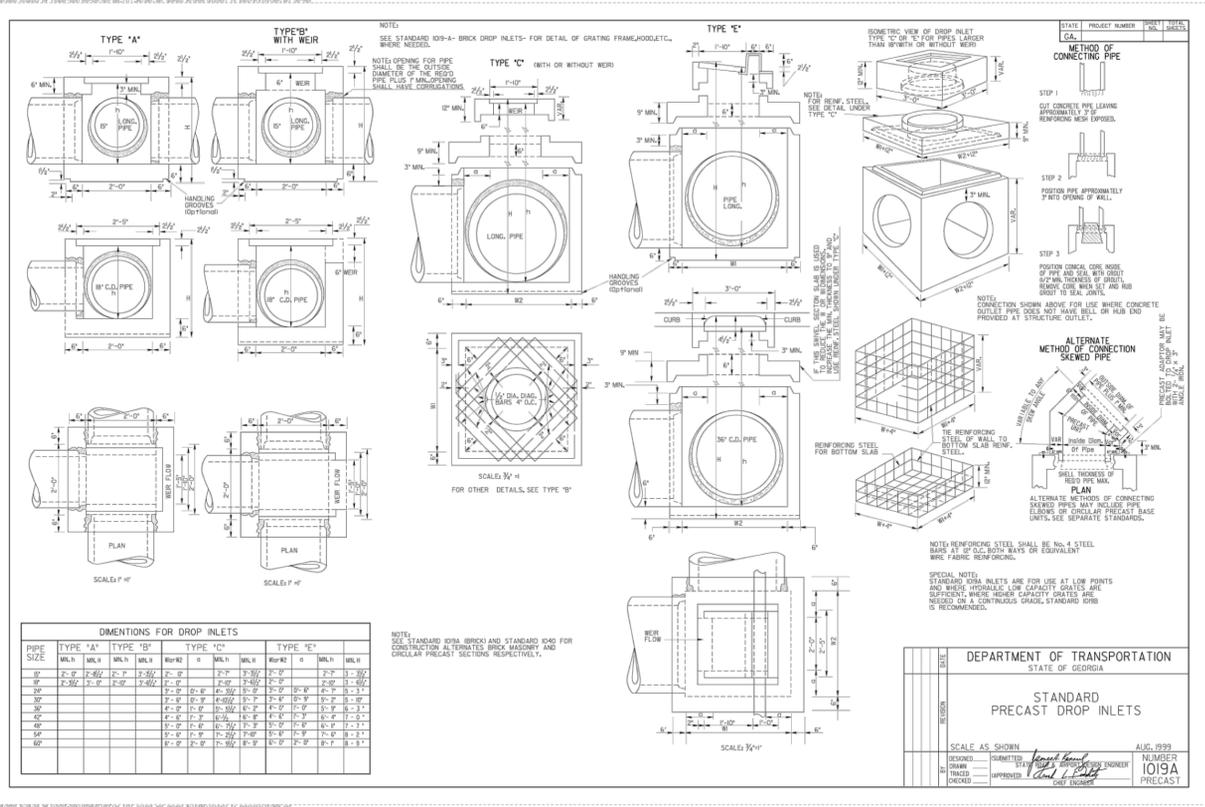
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Utilities shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for accuracy in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance including, but not limited to, excavation, trenching, boring, etc. The Contractor, at their expense, shall be responsible to report, replace and/or relocate, as necessary, any utilities damaged, whether shown on or off. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.

DRAWING DATE: 7/2/2024
DRAWN BY: MCS
CHECKED BY: JPB

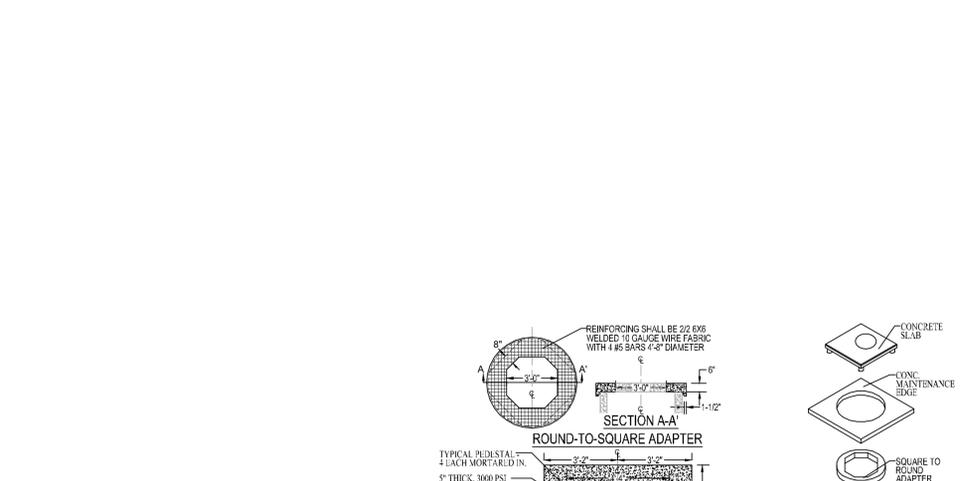
REVISIONS

DATE:	DESCRIPTION:
7/2/24	ADDRESS CITY COMMENTS



CLASSES OF EMBEDMENT AND BACKFILL MATERIALS

CLASSIFICATION	DESCRIPTION	APPROX. UNIT WEIGHT (pcf)	MIN. COVER (in)	PERFORMANCE RATING		APPROPRIATE USES		COMMENTS
				CLASS I	CLASS II	I	II	
1	CLASS I: SAND, GRAVEL, CRUSHED STONE	120	12"	100%	100%	100%	100%	NON-PLASTIC
2	CLASS II: SAND, GRAVEL, CRUSHED STONE	120	12"	100%	100%	100%	100%	NON-PLASTIC
3	CLASS III: SAND, GRAVEL, CRUSHED STONE	120	12"	100%	100%	100%	100%	NON-PLASTIC
4	CLASS IV: SAND, GRAVEL, CRUSHED STONE	120	12"	100%	100%	100%	100%	NON-PLASTIC
5	CLASS V: SAND, GRAVEL, CRUSHED STONE	120	12"	100%	100%	100%	100%	NON-PLASTIC



ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THE DRAWING IS INTENDED TO PROVIDE THE COMPONENTS AS REFERRED TO. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. ADS HAS NOT INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT REQUIRED FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THAT THE DETAILS PROVIDED HEREIN MEET OR EXCEED THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR PERMIT	08/08/2024	J. HADDY	C. HADDY
2	ISSUED FOR CONSTRUCTION	08/08/2024	J. HADDY	C. HADDY

RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
6"	21"
8"	23"
10"	25"
12"	27"
15"	30"
18"	34"
24"	42"
30"	48"
36"	56"
42"	64"
48"	72"
54"	80"
60"	88"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS*

PIPE DIA.	SURFACE LIVE LOADING CONDITION	
	H-20 (300mm x 100mm)	HEAVY CONSTRUCTION (75T AXLE LOAD) †
6"	12"	48"
8"	15"	60"
10"	18"	72"
12"	21"	84"
15"	24"	96"
18"	27"	108"
24"	30"	120"
30"	36"	144"
36"	42"	168"
42"	48"	192"
48"	54"	216"
54"	60"	240"
60"	66"	264"

*VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER. †SEE BACKFILL REQUIREMENTS IN NOTE 6.

MAXIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIA.	CLASS II			
	90%	95%	99%	99.5%
6"	3"	4"	5"	6"
8"	4"	5"	6"	7"
10"	5"	6"	7"	8"
12"	6"	7"	8"	9"
15"	7"	8"	9"	10"
18"	8"	9"	10"	11"
24"	10"	11"	12"	13"
30"	12"	13"	14"	15"
36"	14"	15"	16"	17"
42"	16"	17"	18"	19"
48"	18"	19"	20"	21"
54"	20"	21"	22"	23"
60"	22"	23"	24"	25"

MINIMUM COVER TO RIGID PAVEMENT, H

MINIMUM COVER TO FLEXIBLE PAVEMENT, H

MIN. TRENCH WIDTH (SEE TABLE)

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS"; LATEST ADDITION WHEN REQUIRED.
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO THE ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm), 6" (150mm) FOR 30"-60" (750mm-1500mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO THE ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER. EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

PRECAST DROP INLET (D.I.) - PEDESTAL TOP

N.T.S.



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LAND SURVEYING

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Professional Seal

GEORGIA REGISTERED PROFESSIONAL ENGINEER
JASON P. BRUNN

Project Information

R.L. COUSINS COMMUNITY CENTER
8134 GEIGER ST., NW
COVINGTON, GA 30014
ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT

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STORMWATER MANAGEMENT DETAILS

DRAWING DATE: 7/2/2024
DRAWN BY: MCS
CHECKED BY: JPB

REVISIONS
DATE: 7/2/24 DESCRIPTION: ADDRESS CITY COMMENTS

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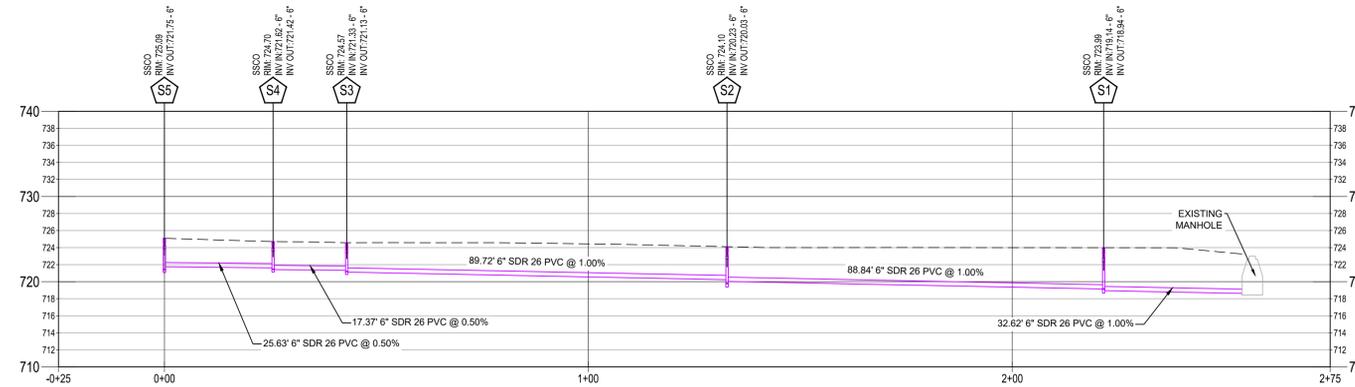
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MARIETTA, GA 30067
770-426-8111

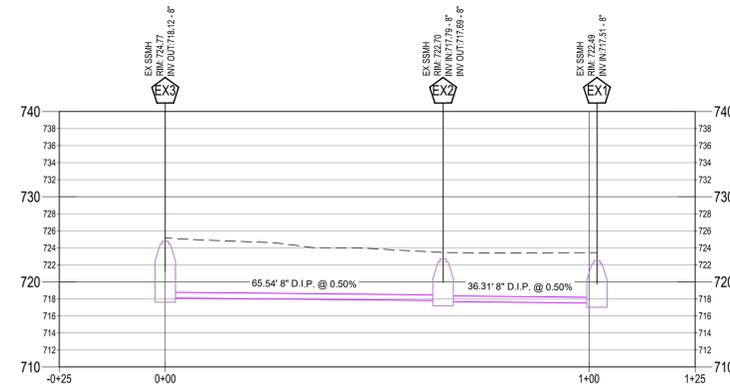
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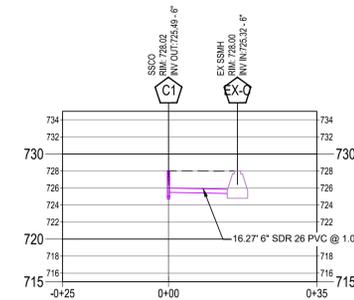
**SANITARY A PROFILE
STA. -0+25 TO STA. 2+75**



**SANITARY B PROFILE
STA. -0+25 TO STA. 1+25**



**SANITARY C PROFILE
STA. -0+25 TO STA. 0+35**



LEGEND

EG

FG

SANITARY SEWER PROFILES
SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'

OWNER/DEVELOPER
COMPANY: NEWTON COUNTY GEORGIA
ADDRESS: 1124 CLARK ST
COWINGTON, GA 30014
PHONE: 404-992-5050
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EMAIL: MMCCROREY@SUNBELTBUILDERS.COM

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EMAIL: BSLATE@GEORGIA CIVIL.COM

SITE DESIGNER
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ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706.342.1104

JASON P. BROWN
LEVEL II CERTIFIED
DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

24-HOUR CONTACT
MIKE MCCROREY
404.644.2939

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Project Information

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8134 GEIGER ST., NW
COWINGTON, GA 30014
ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT

DRAWING DATE:	7/2/2024
DRAWN BY:	MCS
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:
7/2/24	ADDRESS CITY COMMENTS

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SANITARY SEWER PROFILES

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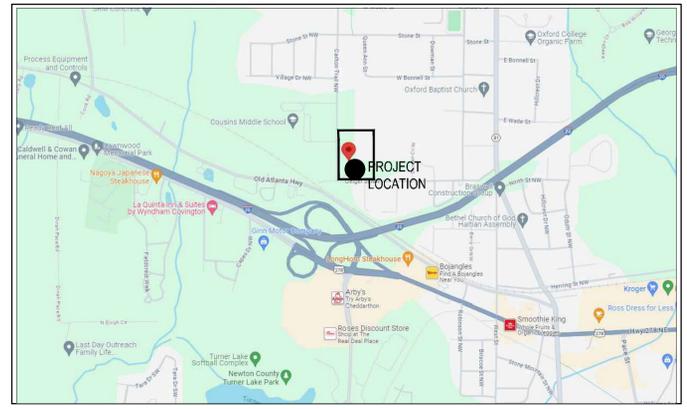
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Project Information



VICINITY MAP
NOT TO SCALE
GPS COORDINATES
N 33° 36' 35.96"
W -83° 52' 34.38"
N 33.609990
W -83.876219

PRIMARY PERMITTEE CONTACT INFORMATION:

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JEFF PINE
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PHONE: 770-892-3392
JRPINE@GASCONSON.PM.COM

MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT MAY REMAIN AFTER CONSTRUCTION IS COMPLETE:

- 1. F-Ho
2. S-Bo
3. D-Bo, D-4
4. T-Bo
5. C-Bo
6. D
7. L-Bo
8. R-Bo
9. S-1
10. S-2

POSSIBLE POLLUTANT SOURCES FOR THIS PROJECT:

Sediment, Construction Debris, Petroleum Products, Concrete Products, Epoxyes and Grouts, Fertilizers (Overuse), Tax applications (Overuse), Paint Products, Asphalt Products. Contractor shall maintain a clean work environment at all times and reduce and contain the pollution generated by these and other pollutants that are to be utilized for the construction of this project.

NON-STORM WATER DISCHARGES ALLOWED UNDER PERMIT:

- 1. Fire fighting activities
2. Fire fighting washing
3. Portable water sources including water line flushing
4. Irrigation drainage
5. Air conditioning condensation
6. Springs
7. Uncontaminated Ground Water
8. Foundation or footing drains where flows are not contaminated with process materials or pollutants.

HAZARDOUS WASTES:

All hazardous waste materials will be disposed of in the manner specified for local, state, and federal regulations and by the manufacturer of such products. The job site superintendent, who is also responsible for seeing that these practices are followed, will install site personnel in these practices. Material Safety Data Sheets (MSDS) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where each product is stored and/or used, and another copy of each MSDS will be maintained in the E&S&P office at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the location information in the applicable MSDS for the product he/she is using, particularly regarding spill management.

SANITARY WASTES:

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed waste disposal contractor in compliance with local and state regulations. All sanitary waste units will be located in one area where the likelihood of the unit contributing storm water discharge is negligible. Additional container BMPs must be implemented, such as gravel basins or specially designed plastic catch containers around the base to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the E&S&P Plan to the contractor upon the locations have been determined. Sanitary sewer will be provided by Metropolitan Authority/Septic System at the completion of the Project.

SPILL CLEANUP AND CONTROL PRACTICES:

Local, state and manufacturer's recommended methods for spill clean up will be clearly posted and procedures will be made available to site personnel. Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment include, but is not limited to: brooms, cutters, rags, gloves, goggles, catch filter, sand, sawdust and properly labeled plastic and metal waste containers. Spill prevention practices and procedures will be reviewed after a spill and includes an assessment to prevent future spills. All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, state and federal regulations. For spills that impact surface water (leave a sheen on surface water), the National Response Center (NRC) will be contacted within 24 hours at 1-800-24-8802. For spills of an unknown amount, the NRC will be contacted within 24 hours at 1-800-424-8802. For spills greater than 25 gallons and no surface water impacts, the Georgia EPC will be contacted within 48 hours. For spills less than 25 gallons and no surface water impacts, the spill will be cleaned up and local agencies will be contacted as required. The contractor shall notify the licensed professional who prepared this plan if more than 1,200 gallons of petroleum or petroleum solids stored onsite includes a fuel-oil product (i.e., fuel oil) or any one piece of equipment has capacity greater than 650 gallons. The contractor will use a spill prevention containment and countermeasures plan prepared by the licensed professional.

NON-EXEMPT ACTIVITIES:

Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of vested 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.

SOIL SERIES (PER NRCS MAPS SOILS ARE SHOWN AS):

ALPHA SITE SET 08-08-2024
D&E CONSULTANTS AND ENGINEERS, INC.
1000 W. BROADWAY, SUITE 200, MADISON, GA 30650
PHONE: 770-892-3392 | FAX: 770-892-3393

ALPHA SITE SET 08-08-2024

REFER TO SHEET C-1.1 FOR CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS

CRITICAL AREAS AND ADDITIONAL MEASURES:

- 1. Critical Areas: 2:1 and 3:1 slopes, inlet traps, sediment basins, and storm outlets.
2. Locate and flag buffers to prevent disturbance.
"Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."

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.

Erosion control measures will be maintained at all times. If full implementation of the approved plan does not allow for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

EROSION
SEDIMENTATION AND
POLLUTION CONTROL
NOTES 1

Sheet 1 of 6

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This plan has been prepared to meet the requirements under the State of Georgia, Department of Natural Resources, Environmental Protection Division (EPCD), General Permit No. GAR10001 for authorization to discharge under the National Pollutant Discharge Elimination System (NPDES), Stormwater Discharges Associated with Construction Activity for Stand Alone Construction Project. Only daily and monthly inspections as required by Permit No. GAR10001 shall be performed by certified personnel provided by the Contractor. Sampling requirements as required by Permit No. GAR10001 shall be performed by certified personnel provided by the Contractor. Contractor shall make sure construction is in accordance with regulations of the NPDES Permit No. GAR10001. This includes but is not limited to:
- Site stabilization practices
- BMP maintenance and inspections
- Silt control practices
- Erosion control practices
- Monitoring plans and practices
- Vegetative and structural erosion control practices
- Pollution prevention plans and practices
- Material management practices for spill prevention plans
- Wetland and state water protection practices
- Reporting practices

POLLUTION REDUCTION PRACTICES FOR STORM WATER DISCHARGES: STABILIZATION (VEGETATIVE) MEASURES:

- ALL STABILIZATION (VEGETATIVE) MEASURES SHALL BE IMPLEMENTED AS STATED IN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA (LATEST EDITION).
(Ds1) Buffer Zone - A strip of undisturbed, original vegetation...
(Ds2) Disturbed Area Stabilization with Temporary Seeding...
(Ds3) Disturbed Area Stabilization with Permanent Vegetation...
(Ds4) Disturbed Area Stabilization with Sodding...
(Du) Disturbance on Disturbed Areas...
(FI-Co) Fertilizers and Coagulants...
(Sb) Streambank Stabilization...
(Ss) Slope Stabilization...
(Ta) Tackifiers...
(Dn1) Temporary Downstream Structure...
(Dn2) Permanent Downstream Structure...
(Gr) Grade Stabilization Structure...
(Lv) Level Slopener...
(Rd) Rock Filter Dam...
(Rf) Filter Ring...
(Sd1) Sediment Barrier...
(Sd2) Inlet Sediment Trap...
(Sd3) Temporary Sediment Basin...
(Sd4) Temporary Sediment Trap...
(Sf) Temporary Stream Crossings...
(Si) Storm Drain Outlet Protection...
(Su) Surface Runoff/Impervious...
(Tc) Turbidity Curtain...
(Tp) Topsoiling...
(W) Vegetated Walkways or Stormwater Conveyance Channels...
(X) Erosion Control Mats...

STRUCTURAL PRACTICES:

- ALL STRUCTURAL PRACTICES SHALL BE IMPLEMENTED AS STATED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (LATEST EDITION).
(Cd) Check Dam...
(Cs) Check Dam...
(Ct) Check Dam...
(Dc) Downstream Diversion Channel...
(Ga) Gabion...
(Gr) Grade Stabilization Structure...
(Lv) Level Slopener...
(Rd) Rock Filter Dam...
(Rf) Filter Ring...
(Sd1) Sediment Barrier...
(Sd2) Inlet Sediment Trap...
(Sd3) Temporary Sediment Basin...
(Sd4) Temporary Sediment Trap...
(Sf) Temporary Stream Crossings...
(Si) Storm Drain Outlet Protection...
(Su) Surface Runoff/Impervious...
(Tc) Turbidity Curtain...
(Tp) Topsoiling...
(W) Vegetated Walkways or Stormwater Conveyance Channels...
(X) Erosion Control Mats...

CONCRETE WASHOUT:

Contractor shall install a concrete washout. This area is only for the washout of items such as blocks, concrete mixer chutes, hoppers and the rear of the vehicles. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

WASTE DISPOSAL, SANITARY SEWER, SEPTIC TANK REGULATIONS (E&S&P PLAN COMPLIANCE):

Construction Debris shall be recycled to the extent deemed practical by Owner/Contractor. All waste generated from the development of this site, including but not limited to: soil, waste, liquid waste, chemical waste, construction waste, sanitary sewer discharge, septic tank and septic systems waste, shall be collected and disposed of in a manner that follows local, state and federal laws and regulations for collection and disposal of each type of waste. All required signage, notification, documentation, and training of personnel on correct handling of waste shall be done in a manner that follows all local, state, and federal laws and regulations. Owner/Contractor is responsible for obtaining the services of a licensed Solid Waste Management Agency (SWMA) for the collection and disposal of all waste. All waste shall be collected and disposed of in a manner that follows local, state and federal laws and regulations for collection and disposal. Solid waste, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit.

BMP'S FOR PETROLEUM SPILLS AND LEAKS:

- 1. Fix any leaks immediately, maintain and clean equipment regularly.
2. Designate areas for spill response and have spill kits located on level ground and away from any water sources.
3. Park and service equipment on top of traps to insure any spills do not get into the ground.
4. Store all fluids and containers in a leak-proof, locked container to insure safe storage.
5. Various hoses, plugs, and clamps to reduce hydraulic leaks. A variety of locking "use proof" pins can be used in emergency.
6. Large plastic bags to store any contaminated materials for disposal.
7. Temporary sealing areas shall be installed and operated in compliance with Georgia E.P.D. regulations.

PRODUCT SPECIFIC PRACTICES:

All pollutants from avoided practices, soil additives, remediation of spills and leaks of petroleum products, concrete truck washout, etc., should only if of these occur, shall be controlled by the implementation of appropriate best management practices. The site shall be in compliance with all applicable state and local regulations, sanitary sewer or septic system regulations.

Paints/Finishes/Solvents - All products shall be stored in tightly sealed original containers when not in use. Excess product shall not be discharged to the storm water collection system. Unused, materials used with these products, and product containers shall be disposed of according to manufacturer's specifications and recommendations.

Fertilizer/Herbicides - These products shall be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof or sealed containers.

Building Materials - No building or construction materials shall be buried or disposed of onsite. All such material shall be disposed of in proper waste disposal procedures. Concrete Truck Washing - No concrete trucks shall be allowed to wash or discharge surplus concrete or drum wash water onto. Concrete mixer chutes, hoppers and the rear of vehicles will only be washed in a designated area provided for this purpose, as shown on the drawings. The following best management practices will be required:
(1) Contain all wash water on soil. In a bowl-shaped area created in the designated wash area to prevent the wash water from flowing from the washout area.
(2) Use the minimum amount of water to wash down the blocks, concrete mixer chutes, hoppers and the rear of vehicles.
(3) Remove any concrete sediment from the area surrounding the wash area before it hardens; and
(4) Remove all concrete residue from the designated area once it has hardened.

GSWCC EROSION CONTROL NOTES:

- 1. Any amendments/revisions to the E&S&P Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
2. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
3. 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.
4. Erosion control measures will be maintained at all times. If full implementation of the approved plan does not allow for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.
5. Any disturbance left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

ADDITIONAL EROSION CONTROL NOTES:

- 1. Maximum up slopes are 3:1, 3 horizontal to 1 vertical, unless otherwise noted.
2. Maximum fill slopes are 3:1, 3 horizontal to 1 vertical, unless otherwise noted.
3. All buffers, tree save areas, and/or limits of disturbance shall be clearly marked in the field by the contractor by flagging or fencing and signage, prior to commencement of any land disturbance activities or clearing/grading activities. Buffers, tree save areas, and areas beyond limits of disturbance are to be left undisturbed in their natural state.
4. Contractor shall not disturb underground utilities, utilities, fire, tree save areas, and areas beyond limits of disturbance are to be left undisturbed in their natural state.
5. Contractor shall notify design professional 48 hours before beginning each phase of construction.
6. Construction debris and/or waste shall not be buried or stored on site. All construction debris and/or waste shall be taken to a state approved landfill.
7. All buffers and tree save areas shall be clearly identified by flagging and/or fencing prior to commencement of any land disturbance activities.
8. The installation of erosion and sedimentation control measures and practices shall occur prior to or concurrent with land disturbing activities and construction on the site and shall be maintained until permanent ground cover is established to 90%.
9. All initial phase Erosion, Sedimentation and Pollution Control Best Management Practices shall be installed prior to any grading.
10. All Erosion, Sedimentation and Pollution Control Best Management Practices shall be inspected and repaired or replaced if damaged. Any accumulated silt shall be removed and spread on site and controlled with temporary mulching and/or grassing.
11. Erosion, Sedimentation, and Pollution Control Best Management Practices shall be maintained at all times. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY ENGINEER OR LOCAL JURISDICTION INSPECTOR.
12. Maintenance of all soil erosion and sedimentation control measures and practices whether temporary or permanent shall be the responsibility of the contractor.
13. Any discrepancy within these plans shall be referred to the design professional by the contractor for clarification before proceeding with work.
14. Sediment storage/maintenance indicators must be installed in sediment storage structures, indicating the 10:1 fill volume.
15. Contractor shall provide temporary diversion berms and down drains on all slopes to prevent erosion prior to stabilization.
16. Contractor shall remove accumulated sediment from detention basin at end of construction when all disturbed areas have been fully stabilized.

REVISIONS SHOWN ON E&S&P PLAN:

Amendments/revisions to the E&S&P Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

INTENDED LAND USE DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE:

- Initial Phase:
1. Preconstruction meeting with CITY OF CONYNGHAM
2. Perform initial monitoring
3. Initial construction set
4. Install initial silt fence (determine silt fence locations first)
5. Provide any needed initial mulching, grassing or other ground cover
6. Install topsoil location fill fence
7. Begin clearing, grubbing, respreading, and grading operations & install construction road (install appropriate vegetative and structural BMPs (inlet & outlet protection, floodwalls/coagulants, mulching (grassing, etc.)
8. Install wheel wash and load storage location (if necessary)
9. Coordinate Site Review Meeting with Engineer and/or Local Issuing Authority
Intermediate Phase:
1. Through-out land disturbance process, maintain existing BMPs (vegetative and structural practices)
2. Through-out land disturbance process, continue NPDES monitoring and reporting
3. Coordinate with utility companies on utility/line locations
4. Begin regrading, clearing, grubbing, logging, and grading operations
5. Install topsoil pile at slope/level locations and immediately grass/mulch and install any remaining topsoil location fill fence
6. As areas are brought to final grade, grass and mulch any areas that are final grade and that will be left bare for 7 days
7. Adjust storm risers with grade changes and adjust all S&Ts
8. Each fill slope shall have a diversion at the top that is maintained and reseeded as the slope is constructed
9. Continue floodwall/coagulant applications and continue every 7 days throughout project
10. Install remaining storm systems) as grades are achieved
11. Immediately install each storm structure with associated S&Ts and add flow logs to each storm structure
12. Grass / mulch / flocculant / coagulant disturbed areas and install intermediate BMPs
13. Install inlet/wash and septic/sewer

CONCRETE WASHOUT:

Contractor shall install a concrete washout. This area is only for the washout of items such as blocks, concrete mixer chutes, hoppers and the rear of the vehicles. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

WASTE DISPOSAL, SANITARY SEWER, SEPTIC TANK REGULATIONS (E&S&P PLAN COMPLIANCE):

Construction Debris shall be recycled to the extent deemed practical by Owner/Contractor. All waste generated from the development of this site, including but not limited to: soil, waste, liquid waste, chemical waste, construction waste, sanitary sewer discharge, septic tank and septic systems waste, shall be collected and disposed of in a manner that follows local, state and federal laws and regulations for collection and disposal of each type of waste. All required signage, notification, documentation, and training of personnel on correct handling of waste shall be done in a manner that follows all local, state, and federal laws and regulations. Owner/Contractor is responsible for obtaining the services of a licensed Solid Waste Management Agency (SWMA) for the collection and disposal of all waste. All waste shall be collected and disposed of in a manner that follows local, state and federal laws and regulations for collection and disposal. Solid waste, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit.

BMP'S FOR PETROLEUM SPILLS AND LEAKS:

- 1. Fix any leaks immediately, maintain and clean equipment regularly.
2. Designate areas for spill response and have spill kits located on level ground and away from any water sources.
3. Park and service equipment on top of traps to insure any spills do not get into the ground.
4. Store all fluids and containers in a leak-proof, locked container to insure safe storage.
5. Various hoses, plugs, and clamps to reduce hydraulic leaks. A variety of locking "use proof" pins can be used in emergency.
6. Large plastic bags to store any contaminated materials for disposal.
7. Temporary sealing areas shall be installed and operated in compliance with Georgia E.P.D. regulations.

CONSTRUCTION MATERIALS:

Contractor shall at all times have all construction materials protected from rainfall. Contractor shall utilize tarps, plastic sheeting, roof cover, trailers or any other method to make sure all construction material is covered at all times during construction.

EROSION CONTROL MEASURES TO CONTROL POLLUTANTS IN STORM WATER POST CONSTRUCTION:

"NOTE THE PERMITTEE IS ONLY RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT DEVICES PRIOR TO FINAL STABILIZATION OF THE SITE AND NOT THE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED."

- 1. RIP RAP FULL CHANNEL PROTECTION: Shall be inspected and maintained prior to final stabilization. Any displaced stones and/or other repairs deemed necessary should be completed according to conditions set forth in GAR10001 permit.
2. WATER QUALITY BASIN: Water quality basin shall be inspected and cleared out according to Georgia Stormwater Management Manual's recommendations to ensure required water quality guidelines are met.

NATURE OF CONSTRUCTION ACTIVITY:

PROJECT LOCATION: 0962-01A
PROJECT ADDRESS: 8134 GEIGER ST., NW CONYNGHAM, GA 30014
PROJECT TYPE: COMMUNITY CENTER, STORAGE BUILDING, ASSOCIATED DRIVES, PARKING, STORM INFRASTRUCTURE, AND UTILITIES
IMPROVEMENTS TO BE MADE:
SITE ACREEGE: 2.91 ACRES
DISTURBED ACREEGE: 2.91 ACRES
STATE WATERS ON SITE: NO
EPA BUFFER ZONE(S): PERMIT REQD NO
STATE AND LOCAL BUFFERS ADMERED TO: YES
WETLANDS OR WATERS OF US ON SITE: NO
USING UTILITIES: TREATMENT OF YELLOW WATER

ESTIMATE OF RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW PRE AND POST DEVELOPMENT CONDITIONS:
PRE C: 0.88
POST C: 0.88
PRE FLOW: 28.2 CFS
POST FLOW: 28.5 CFS

NOTE: CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER SUCH AS PLASTIC SHEETING OR TEMPORARY ROOFS ON ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DESTRUCTANTS, SANITARY WASTE AND ANY OTHER MATERIALS IN ORDER TO PREVENT EXPOSURE TO PRECIPITATION AND STORMWATER.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF VESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFERS AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
NPDES PERMIT PART IV:
(i), EXCEPT AS PROVIDED IN PART IV (i), BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG COASTAL MARSHLANDS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN VESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED THAT AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-4-6, OR WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4.

- 1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS:
2. STREAM CROSSINGS FOR WATER LINES AND SEWER LINES: PROVIDED THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
3. STREAM CROSSINGS FOR AERIAL UTILITY LINES: PROVIDED THAT (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ROUTED AND CONSTRUCTED AS SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCE TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION I.E. DISTURBANCE OF UNDERLYING VEGETATION IS MINIMIZED, AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (E) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
4. BUFFER CROSSINGS FOR FENCES: PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
5. STREAM CROSSINGS FOR AERIAL UTILITY LINES: PROVIDED THAT (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ROUTED AND CONSTRUCTED AS SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCE TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION I.E. DISTURBANCE OF UNDERLYING VEGETATION IS MINIMIZED, AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (E) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
6. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
8. MAINTENANCE (INCLUDING DREDGING, REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF USDA NATURAL RESOURCES CONSERVATION SERVICE.

(ii) NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN VESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS "TROUT STREAMS" EXCEPT WHEN APPROVAL IS OBTAINED BY THE DIRECTOR OR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH O.C.G.A. 12-2-6, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4.

- 1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS:
2. STREAM CROSSINGS FOR WATER LINES AND SEWER LINES: PROVIDED THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
3. STREAM CROSSINGS FOR AERIAL UTILITY LINES: PROVIDED THAT (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ROUTED AND CONSTRUCTED AS SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCE TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION I.E. DISTURBANCE OF UNDERLYING VEGETATION IS MINIMIZED, AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (E) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
4. BUFFER CROSSINGS FOR FENCES: PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
5. STREAM CROSSINGS FOR AERIAL UTILITY LINES: PROVIDED THAT (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ROUTED AND CONSTRUCTED AS SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCE TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION I.E. DISTURBANCE OF UNDERLYING VEGETATION IS MINIMIZED, AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (E) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
6. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
8. MAINTENANCE (INCLUDING DREDGING, REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF USDA NATURAL RESOURCES CONSERVATION SERVICE.

(iii) EXCEPT AS PROVIDED IN PART IV (i), BELOW, NO CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG COASTAL MARSHLANDS, AS MEASURED HORIZONTALLY FROM THE COASTAL MARSHLAND INTERFACE, AS DETERMINED IN ACCORDANCE WITH PART 4 OF ARTICLE 4 OF CHAPTER 05 OF TITLE 12, THE COASTAL MARSHLANDS PROTECTION ACT OF 1970, AND THE RULES AND REGULATIONS PROMULGATED THEREUNDER, EXCEPT WHERE THE DIRECTOR HAS DETERMINED THAT AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-4-6, OR WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4, OR WHERE AN ALTERNATION WITHIN A BUFFER ZONE IS AUTHORIZED BY THE DIRECTOR PURSUANT TO CODE SECTION 12-2-4.

- 1. PUBLIC DRINKING WATER SYSTEM RESERVOIRS:
2. CROSSINGS FOR UTILITY LINES THAT CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
3. ANY LAND DISTURBING ACTIVITY CONDUCTED PURSUANT TO AND IN COMPLIANCE WITH A VALID AND EFFECTIVE LAND DISTURBING PERMIT ISSUED SUBSEQUENT TO APRIL 22, 2014 AND PRIOR TO DECEMBER 31, 2015.
4. ANY LOT FOR WHICH RELIANCE HAS BEEN APPROVED PRIOR TO DECEMBER 31, 2015 IF ROADWAYS, BRIDGES, OR WATER AND SEWER LINES HAVE BEEN EXTENDED TO SUCH LOT PRIOR TO THE EFFECTIVE DATE OF THIS ACT AND IF THE REQUIREMENT TO MAINTAIN A 25 FOOT BUFFER WOULD CONSUME AT LEAST 10 PERCENT OF THE HIGH GROUND OF THE PLATTED LOT OTHERWISE AVAILABLE FOR DEVELOPMENT.
5. BUFFER CROSSINGS THAT CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS WITHIN THE BUFFER.
6. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
7. RIGHT-OF-WAY POSTS, GUY WIRES, ANCHORS, SURVEY MARKERS, AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDER TAKEN OR FINANCE IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY MUNICIPALITY, PROVIDED THAT (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE AREAS OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
8. MAINTENANCE (INCLUDING DREDGING, REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF USDA NATURAL RESOURCES CONSERVATION SERVICE.

(iv) EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV (i), (ii), AND (iii), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER ZONE AS MEASURED FROM THE POINT OF VESTED VEGETATION UNTIL LAND DISTURBING

REQUIRED INSPECTIONS AND RECORD KEEPING BY THE PRIMARY PERMITTEE:

PERMITTEE REQUIREMENTS. (1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE... (2) MEASURE AND RECORD ANNUAL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION... (3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS... (4) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT... (5) BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN... (6) A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL, DATES OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATIVE TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN...

ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE SAMPLES:

1. SAMPLING REQUIREMENTS. THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATERS... (a) SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING: (1) A USGS TOPOGRAPHIC MAP OR A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24,000 MAP... (2) A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES... (3) WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A NATIONAL MAP MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B... (4) ANY ADDITIONAL INFORMATION EPA DETERMINES NECESSARY TO BE PART OF THE PLAN, EPA WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL... (b) SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH THE METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED)...

(c) SAMPLING POINTS. (1) FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE EACH RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATERS AND OUTFALLS... (2) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY... (3) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S)... (4) CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL... (5) THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM... (6) THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS... (7) PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT... (8) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III(D.3) OR III(D.4), WHICHEVER IS APPLICABLE... (d) SAMPLING FREQUENCY. (1) THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW FOR A QUALIFYING EVENT... (2) HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT) OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE... (3) SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS: (A) FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT... (B) IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 30 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST... (C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMP'S IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS... (D) WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV(D.4)(b), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE SUBMISSION OF THE PLAN SAMPLING WAS NOT PERFORMED, PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE... (E) EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIREMENT BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B); THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIREMENT BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE... *NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

RETENTION OF RECORDS:

THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

- a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPA.
b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.
c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT.
d. A COPY OF ALL SAMPLING INFORMATION RESULTS AND REPORTS REQUIRED BY THIS PERMIT.
e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT.
f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV(D.4.A)(2) OF THIS PERMIT.

RECORDS TO BE MAINTAINED:

- 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.
2. LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL.
3. LIMITS OF DISTURBANCE THAT IS NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE GAEPD DISTRICT OFFICE.
4. THE NAME AND PHONE NUMBER OF THE 24-HOUR 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 ACRES OF THE PROJECT OR PHASE UNDER CONSTRUCTION.
7. PROVIDE THE GPS LOCATION OF THE CONSTRUCTION EXIST 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 AND EXISTING SITE CONDITIONS.
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 BMP'S 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 BMP'S 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 VESTED 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 BMP'S 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 MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III, C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX I LISTING ALL THE BMP'S 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 THE NOT, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN."
24. BMP'S FOR concrete washout of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited."
25. PROVIDE BMP'S 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 BMP'S, 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."

RECORDS TO BE MAINTAINED:

- 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.
2. LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL.
3. LIMITS OF DISTURBANCE THAT IS NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE GAEPD DISTRICT OFFICE.
4. THE NAME AND PHONE NUMBER OF THE 24-HOUR 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 ACRES OF THE PROJECT OR PHASE UNDER CONSTRUCTION.
7. PROVIDE THE GPS LOCATION OF THE CONSTRUCTION EXIST 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 AND EXISTING SITE CONDITIONS.
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 BMP'S 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 BMP'S 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 VESTED 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 BMP'S 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 MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III, C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX I LISTING ALL THE BMP'S 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 THE NOT, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN."
24. BMP'S FOR concrete washout of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited."
25. PROVIDE BMP'S FOR THE REMEDIATION OF ALL petroleum spills and leaks.
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35. DELINEATE ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED."

NPDES Permit Part IV.E. Reporting:

1. THE APPLICABLE PERMITTE

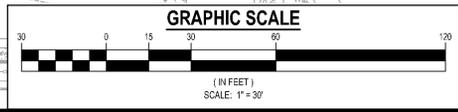
ALPHA SITE SET

08-08-2024

GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL					
STRUCTURAL PRACTICES					
Code	Practice	Symbol	Code	Practice	Symbol
Cd1-S	Compustrip Filter Sock	[Symbol]	Sd2-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)	[Symbol]
Cd2-S	Straw-Bale Check Dams	[Symbol]	Sd2-P	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]
Cd3-S	Stone Check Dams	[Symbol]	Sd2-S	Inlet Sediment Trap (See Inlet Protection)	[Symbol]
Ch1	Channel Stabilization - Category 1 (Vegetative/Soil)	[Symbol]	Sd3	Temporary Sediment Basin	[Symbol]
Ch2	Channel Stabilization - Category 2 (Log-Riprap, Trill)	[Symbol]	Sd4	Temporary Sediment Trap	[Symbol]
Ch3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Floating Filter Surface Squeezer	[Symbol]
Co	Construction Exit	[Symbol]	Sb	Seep Berm	[Symbol]
C	Construction Road Stabilization	[Symbol]	Sr-C	Temporary Stream Crossing (Bridge)	[Symbol]
Dca	Stream Diversion Channel (Sodded, Soil or Polyethylene Lin)	[Symbol]	Sr-C	Temporary Stream Crossing (Culvert)	[Symbol]
Dcb	Stream Diversion Channel (Gravel)	[Symbol]	St	Storm Drain Outlet Protection	[Symbol]
Dcc	Stream Diversion Channel (Class 1 Rip-Rap and Concrete)	[Symbol]	Su	Surface Roughening	[Symbol]
D	Diversion	[Symbol]	Tc-F	Turbidity Curtain (Fiberglass)	[Symbol]
Dn1	Temporary Diversion Structure	[Symbol]	Tc-S	Turbidity Curtain (Siltsock)	[Symbol]
Dn2	Permanent Diversion Structure	[Symbol]	Tp	Tosseling	[Symbol]
F	Fiber Ring	[Symbol]	Wt	Vegetative Mulchway or Stormwater Control Channel	[Symbol]
G	Gabion	[Symbol]	VEGETATIVE MEASURES		
G	Grade Stabilization Structure	[Symbol]	Bf	Buffer Zone	[Symbol]
Lv	Level Spreader	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)	[Symbol]
Ra	Rock Filler	[Symbol]	Dd1	Disturbed Area Stabilization (w/ Mulch and Seed)	[Symbol]
Re	Retaining Wall	[Symbol]	Dd2	Disturbed Area Stabilization (w/ Temporary Seeding)	[Symbol]
Rf	Reinforced Earth Wall (w/ Stone or Filter Fabric)	[Symbol]	Dd3	Disturbed Area Stabilization (w/ Permanent Vegetation)	[Symbol]
Rf-P	Reinforced Earth Round Pipe w/ Stone Filler	[Symbol]	Dd4	Disturbed Area Stabilization (w/ Seeding)	[Symbol]
Rf-S	Retain (Soil Control Gate)	[Symbol]	Du	Dust Control on Disturbed Areas	[Symbol]
Sb1-SB	Sediment Barrier (Type I - Brush Barrier)	[Symbol]	FH-Co	Fabric Covers	[Symbol]
Sb1-NS	Sediment Barrier (Type I - Non-Sensitive Areas)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)	[Symbol]
Sb1-S	Sediment Barrier (Type I - Sensitive Areas)	[Symbol]	Ss	Slope Stabilization Control Products (RECPs)	[Symbol]
Sb1-C	Sediment Barrier (Type I - Compustrip Filter Media Sock)	[Symbol]	Tac1	Tackifiers - Type I (Synthetic Polymers)	[Symbol]
Sb2	Inlet Sediment Trap (Barle Box)	[Symbol]	Tac2	Tackifiers - Type II (Organic Polymers)	[Symbol]
Sb2-B	Inlet Sediment Trap (Block & Gravel Drop Inlet Protection)	[Symbol]	Tac3	Tackifiers - Type III (Synthetic Fibers)	[Symbol]
Sb2-C	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]	Tac4	Tackifiers - Type IV (Synthetic Fibers)	[Symbol]
Sb2-E	Inlet Sediment Trap (Supporting Frame)	[Symbol]	Tac5	Tackifiers - Type V (Synthetic Fibers)	[Symbol]

DRAINAGE STRUCTURE	DRAINAGE BASIN	DRAINAGE AREA (ACRE) (A)	REQ. STORAGE (CY) (B)	REQ. STORAGE (CF) (C)	DEPTH (FT.) (D)	S _{MIN} (SF) (E)	LENGTH (FT.) (F)	WIDTH (FT.) (G)	PROVIDED SURFACE AREA WIDTH X LENGTH (SF.) (H)	PROVIDED STORAGE (2' DEPTH) X WIDTH X LENGTH (CF.) (I)
A2	26	0.38	50.92	1374.84	2.00	687.42	20.00	35.00	700.00	1400.00
A3	25	0.40	53.60	1447.20	2.00	723.60	21.00	36.00	756.00	1512.00
A4	23	0.11	14.74	397.98	2.00	198.99	15.00	14.00	210.00	420.00
A4A	24	0.33	44.22	1193.94	2.00	596.97	24.00	26.00	624.00	1248.00
A5	22	0.07	9.38	253.26	2.00	126.63	10.00	13.00	130.00	260.00
A6A	8	0.03	4.02	108.54	2.00	54.27	8.00	7.00	56.00	112.00
A6B	7	0.04	5.36	144.72	2.00	72.36	10.00	8.00	80.00	160.00
A7	19	0.03	4.02	108.54	2.00	54.27	8.00	8.00	64.00	128.00
A8	18	0.07	9.38	253.26	2.00	126.63	10.00	13.00	130.00	260.00
A9	17	0.23	30.82	832.14	2.00	416.07	24.00	18.00	432.00	864.00
A9A	10	0.05	6.70	180.90	2.00	90.45	10.00	10.00	100.00	200.00
A9B	11	0.14	18.76	506.52	2.00	253.26	15.00	17.00	255.00	510.00
A10	15	0.03	4.02	108.54	2.00	54.27	8.00	7.00	56.00	112.00
A11	A11	0.04	5.36	144.72	2.00	72.36	10.00	15.00	150.00	300.00
A12	16	0.16	21.44	578.88	2.00	289.44	20.00	15.00	300.00	600.00
B1	4	0.07	9.38	253.26	2.00	126.63	10.00	13.00	130.00	260.00
B1A	B1A	0.06	8.04	217.08	2.00	108.54	10.00	12.00	120.00	240.00
B2	3	0.25	33.50	904.50	2.00	452.25	22.00	21.00	462.00	924.00
B3	2	0.19	25.46	687.42	2.00	343.71	20.00	18.00	360.00	720.00
B3A	1	0.06	8.04	217.08	2.00	108.54	10.00	12.00	120.00	240.00
B4	13	0.11	14.74	397.98	2.00	198.99	15.00	14.00	210.00	420.00
B5	12	0.64	85.76	2315.52	2.00	1157.76	35.00	35.00	1225.00	2450.00
B5B	B5B	0.15	20.10	542.70	2.00	271.35	20.00	14.00	280.00	560.00
B6	14	0.25	33.50	904.50	2.00	452.25	22.00	21.00	462.00	924.00
C3	30	0.36	48.24	1302.48	2.00	651.24	27.00	25.00	675.00	1350.00
C4	29	0.50	67.00	1809.00	2.00	904.50	31.00	30.00	930.00	1860.00
C5	28	0.63	84.42	2279.34	2.00	1139.67	46.00	25.00	1150.00	2300.00
D1	D1	0.11	14.74	397.98	2.00	198.99	20.00	10.00	200.00	400.00
D2	D2	0.06	8.04	217.08	2.00	108.54	10.00	12.00	120.00	240.00

NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.



Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

GSWCC EROSION CONTROL NOTES:

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.

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.

Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

Any amendments to the approved plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

OWNER/DEVELOPER
 COMPANY: NEWTON COUNTY GEORGIA
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 COVINGTON, GA 30014
 PHONE: 404-892-3050
 CONTACT: JEFF PRINE
 EMAIL: JPRINE@ASCENSION-PM.COM

JASON P. BROWN
 LEVEL II CERTIFIED DESIGN PROFESSIONAL
 #53274 - EXP. 05.01.2026

CONTRACTOR
 COMPANY: SUNBELT BUILDERS
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 CONTACT: MIKE MCCROREY
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 EMAIL: MMCCROREY@SUNBELTBUILDERS.COM

24-HOUR CONTACT
 MIKE MCCROREY
 404.644.2939

SURVEYOR
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 ADDRESS: P.O. BOX 896 MADISON, GA 30650
 PHONE: 706.342.1104
 CONTACT: BRIAN SLATE
 EMAIL: BSLATE@GEORGIA-CIVIL.COM

Contact 811 before you dig

GEORGIA811
 www.Georgia811.com

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Project Information

R.L. COUSINS COMMUNITY CENTER
 8134 GEIGER ST., NW
 COVINGTON, GA 30014
 ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT

DRAWING DATE: 7/2/2024
 DRAWN BY: MCS
 CHECKED BY: JPB
 DATE: DESCRIPTION:
 7/2/24 ADDRESS CITY COMMENTS

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INTERMEDIATE EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

C-6.4

ALPHA SITE SET

08-08-2024



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Project Information

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ZONING: 27.40 ACRES

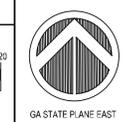
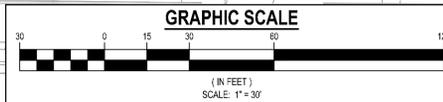
NOTE:
IRRIGATION PLAN TO BE PROVIDED BY LANDSCAPE CONTRACTOR VIA DESIGN BUILD DELIVERY METHOD. IRRIGATION PLAN AND SPECIFICATIONS TO BE SUBMITTED AND PERMITTED BY LOCAL JURISDICTION (IF NECESSARY) PRIOR TO LANDSCAPE INSTALLATION.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY
TREES					
(1)	ACE AUT	Acer rubrum 'Autumn Flame' / Autumn Flame Red Maple	2" Cal.	B&B	2
(5)	MAG LIT	Magnolia grandiflora 'Little Gem' / Little Gem Dwarf Southern Magnolia	6' Ht.	B&B	5
(1)	ZEL GRE	Zelkova serrata 'Green Vase' / Green Vase Japanese Zelkova	2" Cal.	B&B	3
SHRUBS					
(8)	AZA OEC	Azalea x 'Roblex' / Autumn Lily® Encore® Azalea	3 gal.	Pot	8
(14)	AZA FIO	Azalea x 'Roblex' / Autumn Fire® Encore® Azalea	3 gal.	Pot	14
(39)	DIS VTJ	Distylium x 'Vintage Jade' / First Editions® Vintage Jade Distylium	3 gal.	Pot	39
(18)	ITE SPR	Itea virginica 'Sprich' / Little Henry® Sweetspire	3 gal.	Pot	18
(3)	MUH CAP	Muhlenbergia capillaris / Pink Muhly Grass	1 gal.	Pot	3
(8)	ROS K32	Rosa x 'Radsunny' / Sunny Knock Out® Yellow Rose	3 gal.	Pot	8
(8)	ROS 361	Rosa x 'Radtko' / Double Knock Out® Red Rose	3 gal.	Pot	8
(5)	ROS DKN	Rosa x 'Radtkopink' / Pink Double Knock Out® Rose	3 gal.	Pot	5
(16)	SPI AWT	Spiraea x bumalda 'Anthony Waterer' / Anthony Waterer Spirea	3 gal.	Pot	16
GROUND COVERS					
(64,322)	CYN UUT	Cynodon x Tifton 419 / Tif419 Bermudagrass Sod	sod		64,322 sf

NOTE: REFER TO THE EROSION CONTROL PLAN FOR GRASS SEEDING LOCATIONS. ONLY SODDED AREAS ARE SHOWN ON THIS PLAN

NOTE: ALL LANDSCAPE BEDS TO BE COVERED IN PINE STRAW - MIN. 3" THICK



OWNER/DEVELOPER
COMPANY: NEWTON COUNTY GEORGIA
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DRAWING DATE:	7/2/2024
DRAWN BY:	MCS
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:
7/2/24	ADDRESS CITY COMMENTS

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LANDSCAPE PLAN

Sheet Number
C-7.0

GENERAL PLANTING NOTES

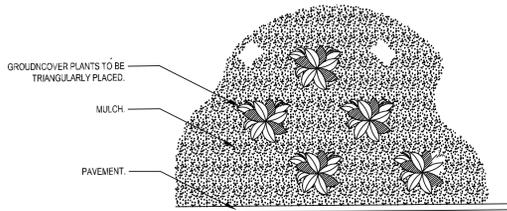
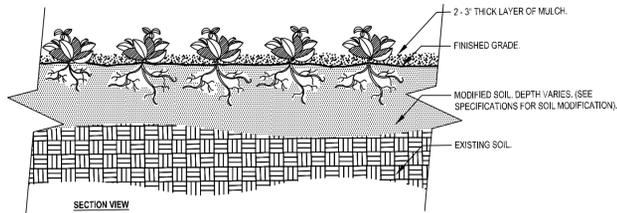
- SELECTION:**
 - ALL PLANT MATERIALS TO BE (GEORGIA *1) OR BETTER (GEORGIA FANCY) DEFINED AND SPECIFIED ACCORDING TO GRADES AND STANDARDS FOR NURSERY STOCK PUBLISHED BY THE DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY UTILIZING THE LATEST UPDATED EDITION.
 - ALL PLANT MATERIAL SHALL MEET THE MINIMAL SIZE REQUIREMENT AS STATED ON THE PLANT LIST.
 - THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT AND REJECT PLANTS AT ANY TIME AND AT ANY LOCATION. LANDSCAPE ARCHITECT WILL DECIDE FINAL APPROVAL OF ALL PLANT MATERIAL DELIVERED TO THE PROJECT SITE.
 - THE LANDSCAPE ARCHITECT MAY MAKE SELECTION OF PLANT MATERIAL PROCURED UNDER THIS PROJECT AT THE PLACE OF CULTIVATION BEFORE THE CONTRACTOR PURCHASES AND PREPARES FOR DELIVERY TO PROJECT SITE. THE CONTRACTOR IS TO RETAIN AND SUBMIT CERTIFICATION TAGS VERIFYING TYPE AND PURITY OF LANDSCAPE MATERIAL.
 - ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY. UNLESS OTHERWISE NOTED, PLANTS SHALL BE EXCEPTIONALLY DENSE WITH A NATURALISTIC BRANCHING CHARACTER AS INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT.
 - LANDSCAPE CONTRACTOR SHALL REFER TO PLANTING PLAN AND PLANT LIST FOR MATERIAL PROCUREMENT. QUANTITY ESTIMATES ON THE PLANTING PLAN AND PLANT LIST ARE FOR REFERENCE ONLY.
 - CONTRACTOR SHALL FURNISH ALL QUANTITIES NECESSARY TO COMPLETE THE PLANTING AREAS AS SHOWN ON THE DRAWING TO ACCEPTANCE AND SATISFACTION AT THE LANDSCAPE ARCHITECT.
 - THE CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT SHOULD THERE BE CHANGES IN THE PLANTING AREAS ON SITE RESULTING IN SUBSTANTIAL DIFFERENCE IN QUANTITIES AND SPECIES REQUIRED.
 - WARRANTY: ALL PLANTS SHALL BE WARRANTED TO REMAIN ALIVE AND HEALTHY AND IN VIGOROUSLY THRIVING CONDITION FOR PERIOD OF 1 YEAR FROM DATE OF FINAL ACCEPTANCE.

- EXECUTION:**
 - THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH DRAWINGS, SPECIFICATIONS AND INSTRUCTIONS PROVIDED BY LANDSCAPE ARCHITECT.
 - CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AS NECESSARY TO EXECUTE AND COMPLETE PROPOSED LANDSCAPE / IRRIGATION INSTALLATION IN A TIMELY MANNER COMPLYING WITH THE SCHEDULED COMPLETION DATE.
 - WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE INTENTIONS OF THE SPECIFIED DRAWINGS. ALL WORK PERFORMED BY THE CONTRACTOR SHALL BE OF BEST QUALITY AND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
 - PLANTING PLANS INDICATE DIAGRAMMATIC LOCATION ONLY. SITE ADJUSTMENTS OF PLANTING DESIGN AND RELOCATION OF PLANT MATERIAL INSTALLED PRIOR TO LANDSCAPE ARCHITECT APPROVAL SHALL BE DONE WITHOUT PENALTY OR ADDITIONAL COST TO OWNER.
 - LANDSCAPE CONTRACTOR SHALL STAKE AND/OR MARK ALL TREE AND PLANT LOCATIONS AT SITE AND NOTIFY LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PLANT INSTALLATION.
 - UTILITIES: THE LANDSCAPE CONTRACTOR SHALL DETERMINE LOCATION OF ALL ABOVE GRADE AND UNDERGROUND UTILITIES PERFORM WORK THAT WILL AVOID DAMAGE TO UTILITIES. THE CONTRACTOR SHALL MAKE GOOD ALL DAMAGED UTILITIES AT NO COST TO OWNER.
 - DRAINAGE: CONTRACTOR SHALL CONDUCT PERCOLATION TEST IN AREAS TO BE PLANTED; NOTIFY LANDSCAPE ARCHITECT OF ANY POOR DRAINAGE PROVIDE SUPPLEMENTAL PIT DRAINAGE AS REQUIRED TO ENSURE HEALTHY PLANT MATERIALS (SEE SPECIFICATIONS FOR DETAILS). IF DRAINAGE IS NOT SUFFICIENT NOTIFY LANDSCAPE ARCHITECT BEFORE INSTALLING THE PLANTS. OTHERWISE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR THE GUARANTEE AND LIVABILITY OF THE PLANT.

- GENERAL PLANTING:**
 - THE CONTRACTOR'S FIELD SUPERVISOR SHALL ACCOMPANY LANDSCAPE ARCHITECT ON ALL PLANT TAGGING AND SITE VISITS.
 - CONTRACTOR SHALL PLACE 2" DEPTH OF AGED MUSHROOM COMPOST IN ALL PLANTING BEDS THAT ARE WELL DRAINED. MUSHROOM COMPOST SHALL THEN BE THOROUGHLY TILLED INTO EXISTING SOIL TO A DEPTH OF 10"-12" PRIOR TO PLANTING.
 - PLACE PLANTS UPRIGHT AND TURNED SO THAT THE MOST ATTRACTIVE SIDE VIEWED.
 - PROVIDE 1" THICK MULCH (MEASURED AFTER WATERING IN) AT ALL PLANTS AND PLANTING BEDS. MULCH SHALL BE DOUBLE SHREDDED OR FINE HARDWOOD UNLESS OTHERWISE NOTED ON THE PLANS OR DETAILS.
 - PROVIDE A CLEAN SHARP EDGING OF LANDSCAPE BEDS ADJACENT TO LAWN AREAS UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR "ROLLING" ALL SOD THAT IS INSTALLED ON THE DAY THE SOD IS INSTALLED; HOWEVER, NO SOD SHALL BE LAID WHERE THE GRADE IS NOT CORRECT.

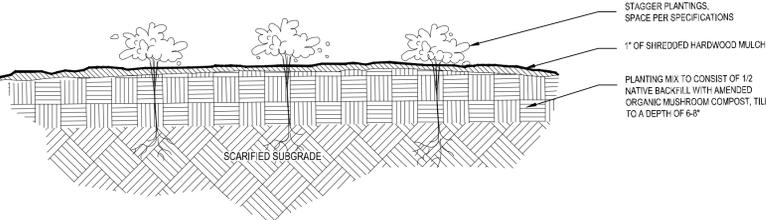
- TREE PLANTING:**
 - REMOVE FIRST 8-10" OF WIRE BASKET FROM ROOTBALLS. IF REMOVAL WILL RESULT IN ROOTBALL INJURY, CUT AND REMOVE WIRES ONCE IN HOLE TO ALLOW FOR ROOT EXPANSION.
 - MULCH SAUCERS TO BE 8" (MIN.) DIAMETER FOR ALL TREES NOT INCLUDED WITH A MULCH BED.
 - STAKING AND GUYING DETAILS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE TO ADAPT STAKING AND GUYING METHOD ACCORDING TO SITE CONDITIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE STAKING AND GUYING PERIODICALLY AS NECESSARY OR AS INSTRUCTED BY LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL MAINTAIN PLANT MATERIAL IN AN UPRIGHT POSITION AT ALL TIMES DURING THE CONTRACT PERIOD.
 - STAKING AND GUYING OF TREES SHALL BE FOR THE PURPOSE OF ESTABLISHMENT ONLY. STAKING AND GUYING DETAILS ARE NOT DESIGNED OR ENGINEERED TO WITHSTAND STRONG WIND OR WINDSTORM CONDITIONS.
 - IF CONTRACTOR SEES ANY SITUATION ON THE SITE WHERE A TREE IS TO BE STAKED WITH ARBORIES, BUT IT APPEARS TO PRESENT A SAFETY HAZARD TO RESIDENCE OF THE PROPERTY, THEIR CHILDREN OR THEIR GUEST, THE TREE SHALL NOT BE STAKED AND LANDSCAPE ARCHITECT SHALL BE NOTIFIED.
 - SPECIMEN TRANSPORTED TREE PROTECTION IS THE OWNER'S RESPONSIBILITY.
 - PROPER DRAINAGE FROM ROOTBALL IS THE RESPONSIBILITY OF THE CONTRACTOR.
 - USE ARBORGUARD WEBBING TO SECURE PLANT. SPACE STAKES EQUALLY AT 120° ANGLES AROUND TREE.
 - NYLON WEBBING SHOULD BE SECURED IN SUCH A WAY AS TO ALLOW SOME MOVEMENT OF TREE.
 - PLANT TREE 2" ABOVE FINISHED GRADE IF MIXING SOIL TYPES, OTHERWISE PLANT AT FINISHED GRADE.

- PRUNING AND MAINTENANCE:**
 - PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES AND TO COMPENSATE FOR THE LOSS OF ROOTS AS A RESULT OF TRANSPORTING OPERATION AND TO MAINTAIN SAFETY IN VEHICULAR AREAS.
 - PRUNING SHALL BE DONE IN SUCH A MANNER AS TO NOT CHANGE THE NATURAL HABIT OR SHAPE OF THE PLANT. ALL CUTS SHALL BE MADE FLUSH, LEAVING NO STUBS ACCORDING TO A.N.A. STANDARDS.
 - THE LANDSCAPE ARCHITECT SHALL BE THE SOLE PARTY TO APPROVE ALL APPROPRIATE PRUNING.
 - MAINTENANCE WORK AS DESCRIBED IN THE SPECIFICATIONS SHALL BE PERFORMED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND UNTIL DATE OF THE FINAL ACCEPTANCE BY OWNER AND LANDSCAPE ARCHITECT.

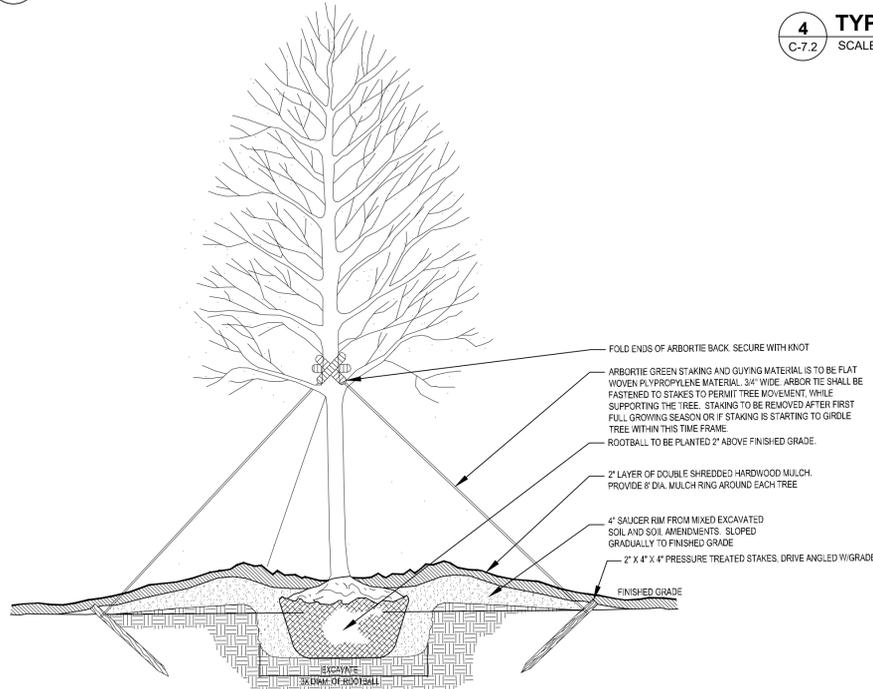


- Notes:**
- SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE AND SPACING DIMENSION.
 - SMALL ROOTS (2" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
 - SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

1 GROUNDCOVER
C-7.2 SCALE: NTS

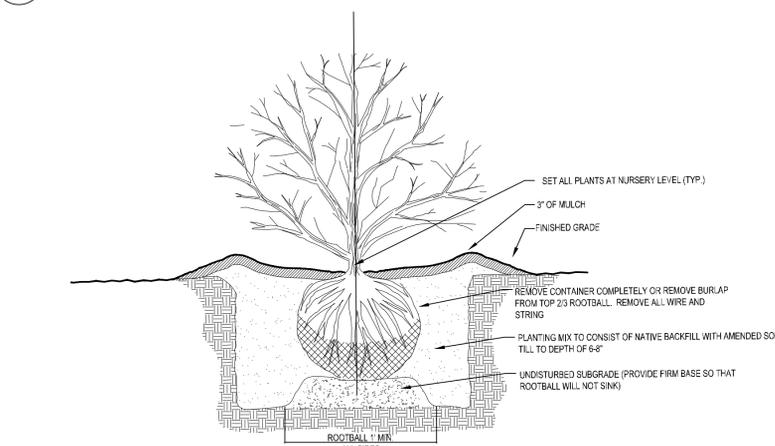


3 TYPICAL PLANTING DETAIL - CONTAINER OR PLUG
C-7.2 SCALE: NTS

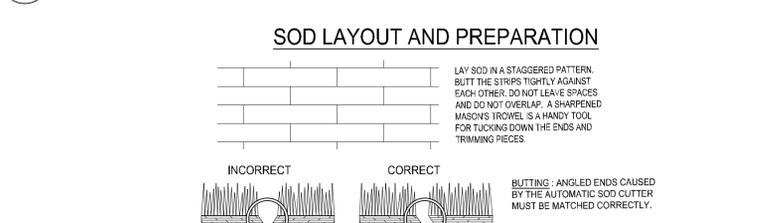


5 TYPICAL TREE PLANTING DETAIL - BALL AND BURLAP
C-7.2 SCALE: NTS

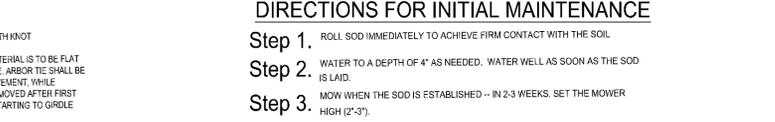
2 CROWN OBSERVATIONS - HIGH BRANCHED
C-7.2 SCALE: NTS



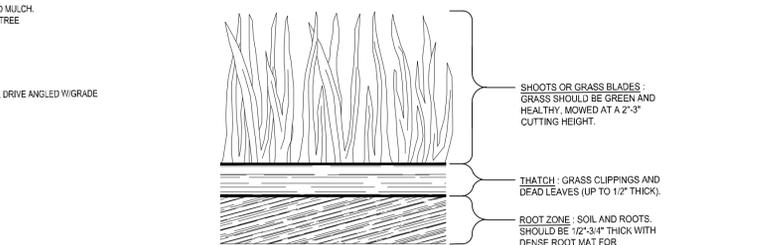
4 TYPICAL SHRUB PLANTING DETAIL - BALL AND BURLAP
C-7.2 SCALE: NTS



SOD LAYOUT AND PREPARATION



APPEARANCE OF GOOD SOD



5 SOD MAINTENANCE AND INSTALLATION
C-7.2 SCALE: NTS

OWNER/DEVELOPER
COMPANY: NEWTON COUNTY
GEORGIA
ADDRESS: 1124 CLARK ST
COVINGTON, GA 30014
PHONE: 404-892-5050
CONTACT: JEFF PRINE
EMAIL: PRINE@ASCENSION-PM.COM

CONTRACTOR
COMPANY: SUNBELT BUILDERS
ADDRESS: 10841 HIGHWAY 36
COVINGTON, GA 30014
CONTACT: MIKE MCCROREY
PHONE: 770-786-3031
EMAIL: MIKEMCCROREY@SUNBELTBUILDERS.COM

SURVEYOR
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896 MADISON, GA 30650
PHONE: 706-342-1104
CONTACT: BRIAN SLATE
EMAIL: BSLATE@GEORGIA-CIVIL.COM

SITE DESIGNER
COMPANY: GEORGIA CIVIL, INC.
ADDRESS: P.O. BOX 896
MADISON, GA 30650
PHONE: 706-342-1104

JASON P. BROWN
LEVEL II CERTIFIED DESIGN PROFESSIONAL
#53274 - EXP. 05.01.2026

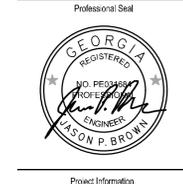
24-HOUR CONTACT
MIKE MCCROREY
404.644.2939

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Utilities shown are for Contractor's convenience. Items are shown schematically and neither the site design professional nor the owner assumes any responsibility for accuracy in their actual location. This plan may not show and/or may incorrectly show utilities located on site. Contractor shall be responsible to secure and use the services of a private utility locator firm during the entire course of work and shall pay for said services. Contractor shall locate utilities prior to any disturbance including backfilling, grading, and/or any other work. Contractor shall verify the location and depth of utilities that are to be saved and protected. Contractor shall notify the site design professional of any utility conflicts prior to installation of new utilities, grading, etc. The Contractor, at their expense, shall be responsible to report, reduce and/or resolve, as necessary, any utilities damaged, whether shown or not. Abandonment, relocation, etc. of utilities shall be coordinated with the respective utility company.



311 N. Main St. Ste. 101, Unit C
P.O. Box 896 | Madison, GA 30650
P: 706.342.1104 | F: 706.342.1105
www.georgiacivil.com



Project Information

ALPHA SITE SET
08-08-2024

R.L. COUSINS COMMUNITY CENTER
8134 GEIGER ST., NW
COVINGTON, GA 30014
ZONING: NR-2 NEIGHBORHOOD RESIDENTIAL 2 DISTRICT

DRAWING DATE:	7/2/2024
DRAWN BY:	MCS
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:
7/2/24	ADDRESS CITY COMMENTS

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Sheet 1 of 6
LANDSCAPE DETAILS
Sheet Number
C-7.1



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CIVIL ENGINEERING
LAND PLANNING
LAND SURVEYING

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Professional Seal



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Sheet 1 of 6

SITE DETAILS

Sheet Number

C-8.1

CITY OF COVINGTON WATER SYSTEM DETAIL
DRAWN BY: EFT
CHECKED BY:
DATE: 6/02
REVISED: 4/11

CITY OF COVINGTON WATER SYSTEM DETAIL
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CITY OF COVINGTON WATER SERVICE CONNECTION
DRAWN BY: EFT
CHECKED BY:
DATE: 6/02
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CITY OF COVINGTON BEDDING CLASSES
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CITY OF COVINGTON WATERLINE THRUST BLOCK
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CITY OF COVINGTON 6" TEE SERVICE CONNECTIONS
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CITY OF COVINGTON HOSE BIBB & BACKFLOW PREVENTER DETAIL
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ALPHA SITE SET 08-08-2024



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