FULTON COUNTY SANITARY SEWER NOTES

1. ALL WASTEWATER PIPE CONSTRUCTION SHOWN ON THESE PLANS MUST CONFORM TO FULTON COUNTY'S STANDARDS AND SPECIFICATIONS, INCLUDING SANITARY SEWER REGULATIONS LATEST COPY.

2. CONTRACTOR MUST FIELD VERIFY THE LOCATION AND ELEVATION OF ALL KNOWN AND UNKNOWN (NON-MONUMENTED) UTILITIES.

3. ALL TEMPORARY AND PERMANENT WASTEWATER EASEMENTS MUST BE DRESSED AND GRASSED TO CONTROL EROSION PRIOR TO ACCEPTANCE. TREES SHALL NOT BE PLANTED IN THE PERMANENT EASEMENT AREA, OR WITHIN 5-FEET OF ANY UTILITY LINES.

4. AS-BUILT DRAWINGS AND MAINTENANCE BONDS(5) MUST BE SUBMITTED AND ARE REQUIRED PRIOR TO INSPECTION AND ACCEPTANCE. DIGITAL AS-BUILT WILL BE REQUIRED. NOTE THAT DIGITAL AS-BUILTS WILL BE REQUIRED AT THE COMPLETION OF THE PROJECT. PLEASE SEE: HTTP://WWW.FULTONCOUNTYGA.GOV/IMAGES/STORIES/BUILDDEVELOPMENT/CAD STANDARDSPDF FOR THE REQUIREMENTS. MAINTENANCE BONDS ARE DUE AT FINAL APPROVAL OF THE AS-BUILTS.

5. NEOPRENE COUPLINGS WITH STAINLESS STEEL BANDS AND SHEAR RINGS ARE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.

6. POOLS SHALL NOT DRAIN INTO WASTEWATER PIPE SYSTEMS. POOLS SHALL DRAIN INTO AN APPROVED INDIVIDUAL ONSITE WASTEWATER MANAGEMENT SYSTEM.

7. LOW PRESSURE AIR TESTING REQUIRED FOR ALL WASTEWATER PIPE SYSTEMS. THIS TEST MUST MEET ALL REQUIREMENTS AS OUTLINED IN UNI-B-6 OR CURRENT REVISION. A FULTON COUNTY INSPECTOR MUST BE PRESENT DURING TESTING.

8. ISSUANCE OF THIS PERMIT DOES NOT IN ANY WAY IMPLY THAT WASTEWATER TAPS FOR BUILDING PERMITS WILL BE ISSUED. CONTACT THE DEPARTMENT OF PUBLIC WORKS, WATER RESOURCES DIVISION AT (404) 612-1400 FOR FURTHER INFORMATION.

9. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND INVERT ELEVATIONS OF WASTEWATER PIPES FOR A CONNECTION TO EXISTING WASTEWATER SYSTEMS.

10. ANY CHANGES TO THE SEWER DRAWINGS MUST BE APPROVED BY FULTON COUNTY.

11. FOR ALL PROJECTS UTILIZING INDIVIDUAL ONSITE WASTEWATER MANAGEMENT SYSTEMS DESIGN AND PROVISIONS SHALL BE IN CONFORMANCE WITH FULTON COUNTY DEPARTMENT OF HEALTH AND WELLNESS REGULATIONS.

12. USF 1835 BOX REQUIRED FOR WASTEWATER CLEANOUTS IN PAVED AREA PER FULTON COUNTY STANDARD DETAIL 1816.

13. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY. BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS, AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE CONTENT. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. COMPACTION OF THE BACK FILL OF ALL TRENCHES LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO AT LEAST 95% STANDARD PROCTOR DENSITY.

14. SANITARY SEWER LATERALS SHALL BE MARKED WITH 4"X4"POST WITH MIN. 4-FEET ABOVE GROUND. THE TOP 7' SHALL BE PAINTED GREEN. EACH LATERAL IS TO BE BROUGHT TO THE GROUND SURFACE IN ACCORDANCE WITH FULTON COUNTY STANDARD 1809.

15. ALL REQUIRED OFF SITE EASEMENTS SHALL BE DEDICATED TO FULTON COUNTY PRIOR TO UTILITY PERMITTING. ALL PUBLIC ON- SITE EASEMENTS FOR OTHER THAN SINGLE FAMILY RESIDENTIAL PROJECTS THAT WILL BE FINAL PLATTED SHALL BE DEDICATED TO FULTON COUNTY PRIOR TO WATER RESOURCES PERMIT APPROVAL.

16. FOR ALL PROJECTS CONTAINING PVC WASTEWATER PIPES, ALSO INCLUDE THE FOLLOWING NOTES. (SEE ATTACHED CONDITION FOR PVC).

a. PIPE SHALL BE ASTM D3034, SDR35 IN 12.5 FOOT LAYING LENGTHS WITH ELASTOMERIC SEALED JOINTS IN ACCORDANCE WITH ASTM D3212.

b. PIPE BEDDING SHALL BE #57, SHARP, ANGULAR, CRUSHED STONE. BEDDING SHALL EXTEND A MINIMUM OF 4" BELOW THE PIPE AND EXTEND TO THE TOP OF THE PIPE. THE BEDDING SHALL BE COMPACTED BY HAND WITH A FLAT SHOVEL. THE WIDTH OF THE DITCH MUST BE IN ACCORDANCE WITH OSHA SAFETY STANDARDS.

c. INITIAL BACKFILL: AFTER BEDDING, COMPLETE INITIAL BACKFILL WITH #57 STONE. IF NO ROCK IS ENCOUNTERED, INITIAL BACKFILL SHALL EXTEND TO A HEIGHT 6" ABOVE OF THE TOP OF THE PIPE. OTHERWISE INITIAL BACKFILL SHALL EXTEND TO 2" ABOVE THE TOP OF THE PIPE.

d. FITTINGS FOR LATERAL CONNECTIONS SHALL BE 45° WYES AND BENDS. PROVIDE PVC PIPE STOPPERS FOR EACH LATERAL. PROVIDE SPECIAL WATERTIGHT CONNECTIONS AT MANHOLES AND TRANSITIONS TO DUCTILE IRON PIPE AS RECOMMENDED BY THE PIPE MANUFACTURER.

e. AFTER INSTALLATION, A DEFLECTION TEST IS REQUIRED. INITIAL DEFLECTION SHALL BE LIMITED TO 3% OF THE UNDEFLECTED DIAMETER. A SECOND TEST SHALL BE MADE AT LEAST 9 MONTHS AFTER THE INSTALLATION BUT BEFORE FINAL ACCEPTANCE. AT THAT TIME DEFLECTION SHALL BE LIMITED TO 5% OF THE UNDEFLECTED DIAMETER.

17. ALL MANHOLES LOCATED WITHIN A PAVED AREA SHALL HAVE CONCENTRIC CONE SECTIONS AND FLANGE DOWN FRAMES AND COVERS. ALL MANHOLES LOCATED WITHIN AN UNPAVED AREA SHALL HAVE ECCENTRIC CONE SECTIONS WITH BOLT DOWN, IMAGE UP FRAME AND COVERS, OR HINGED CAST IN PLACE LOCKABLE COVERS. ALL MANHOLES LOCATED WITHIN A FLOOD PRONE AREA SHALL HAVE ECCENTRIC CONE SECTIONS WITH BOLT DOWN GASKETED FLANGE UP FRAME AND COVERS. RAISE TOP OF MANHOLES IN LANDSCAPE AREAS 12" (6)-FEET ABOVE GRADE.

18. NOTIFY FULTON COUNTY INSPECTOR 24-HOURS PRIOR TO CONSTRUCTION.

SEWER DEMAND CALCULATIONS

SEWER DEMAND CALCULATION SUMMARY:

DESIGN FULL TIME EQUIVALENT (FTE) = 2049 (1800 STUDENTS +249 STAFF)

SEWER LOADING RATES = 1800 STUDENTS X 20 GPD/STUDENT
249 STAFF X 25 GPD/ STAFF = 43,525 GPD

SEWER LOAD = 43,295 GAL/DAY

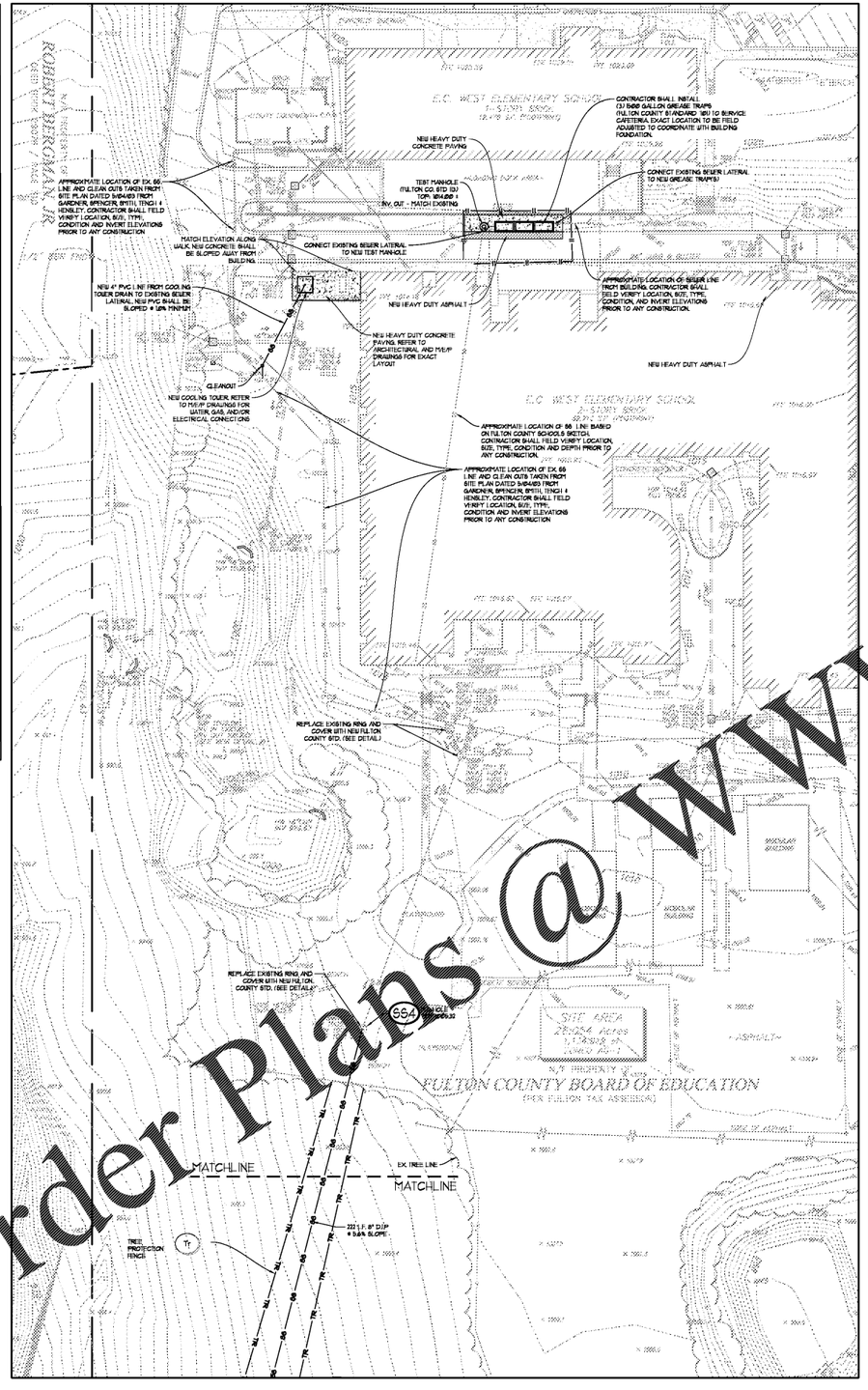
GREASE TRAP CALCULATIONS

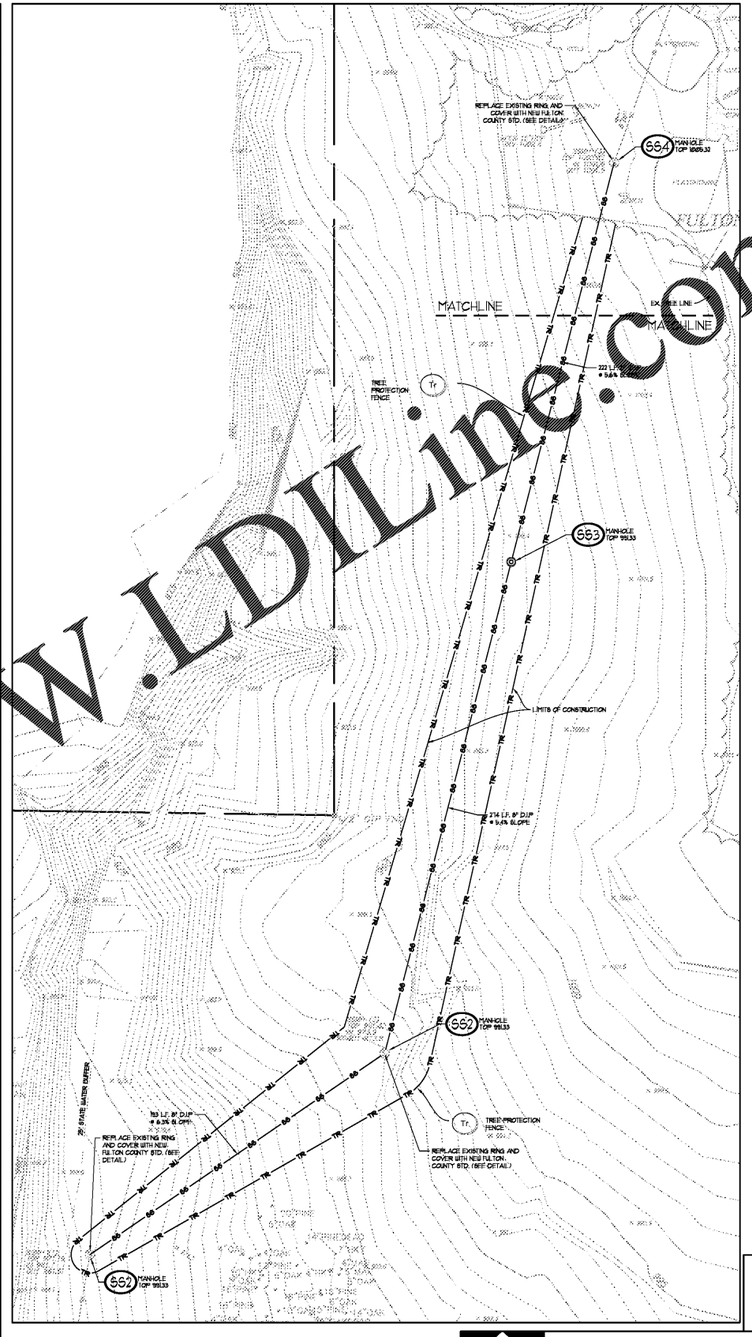
REFER TO FULTON COUNTY STANDARD DETAIL #1811 FOR CONSTRUCTION DETAILS

GREASE TRAP SIZING SUMMARY:

CAFETERIA:
FULL TIME EQUIVALENT (FTE) = 1800 STUDENTS
MEALS PER DAY = 85% OF FTE
85% X 1800 = 6313 = 6381 MEALS SERVED EACH DAY
6381 X LB (LOAD FACTOR) X 5 (GALLONS / MEAL) = 31815 GALLONS

REQUIRED: 3,186 GALLONS
PROVIDED: (3) 1500 GALLON GREASE TRAPS (4500 GALLONS)





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675 Tower Road
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FULTON COUNTY SCHOOL SYSTEM

EVOLINE C. WEST ELEMENTARY SCHOOL - RENOVATIONS

7040 RIVERTOWN RD
FAIRBURN, GA 30213

PROJECT NO:

○	50% CD	11/20/2018
○	90% CD	10/04/2019
○	PERMIT SET	11/15/2019
○	BID SET	12/20/2019

GEORGIA REGISTERED No. PROFESSIONAL ENGINEER CIVIL WATER/WASTE

CONTRACT DOCUMENT
ISSUED FOR CONSTRUCTION

SCALE: 1"=30'-0"

24-HOUR CONTACT
JIM KNIGHT
FULTON COUNTY SCHOOLS
CAPITAL PROGRAMS
404-358-2139

DO NOT DUPLICATE DRAWINGS WITHOUT WRITTEN PERMISSION

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR, FROM HIS/HER OPERATIONS, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

811 Know what's below. Call before you dig. Dial 811 Or Call 800-282-7411

CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES. CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES, SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.

BREEDLOVE LAND PLANNING
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SHEET TITLE
SITE UTILITY PLAN

SHEET NUMBER
C200