

LEGEND	
EXISTING FEATURES	
EXISTING BUILDING	
EXISTING WATER MAIN	
EXISTING OVERHEAD POWER SERVICE	
EXISTING UNDERGROUND POWER	
EXISTING GAS SERVICE	
EXISTING SANITARY SEWER	
EXISTING TELECOMMUNICATION LINE	
PROPOSED FEATURES	
PROPOSED BUILDING	
PROPOSED LINES	
PROPOSED WATER MAIN	
PROPOSED SANITARY SEWER	
PROPOSED FIRE HYDRANT	
PROPOSED METER/DCV VAULT	
PROPOSED WATER METER	
PROPOSED GATE VALVE	
PROPOSED CONC. THRUST BLOCK	
PROPOSED SANITARY SEWER MANHOLE	
PROPOSED SS CLEANOUT/WYE CONC.	
PROPOSED GAS METER	

- PAULDING COUNTY GENERAL NOTES:**
- ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY PAULDING COUNTY DISTURBED AREAS LEFT IDLE FOR TWO TO FOUR WEEKS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED TO TEMPORARY VEGETATION (D&Z). DISTURBED AREAS LEFT IDLE FOR FOUR WEEKS OR MORE WILL BE ESTABLISHED TO PERMANENT VEGETATION (D&Z) WITHIN TWO WEEKS.
 - WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDING AREA WITHIN 24 HOURS OF SEEDING.
 - DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS TEMPORARY COVER (D&Z). ON SLOPES 4:1 V OR STEEPER, MULCH WILL BE ANCHORED.
 - PAULDING COUNTY LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A COUNTY ROAD OR STREET. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. CALL (770) 443-7601 FOR AN INSPECTION.
 - SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED BY THE DEVELOPER AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
 - OWNER/DEVELOPER TO EXECUTE MAINTENANCE AGREEMENT FOR COMMERCIAL OR PRIVATE PONDS AT OR BEFORE C.O.
 - WATER QUALITY FEATURES TO BE INSTALLED AT BOW BUILD OUT OR END OF WARRANTY. DEVELOPER SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE AT PROJECT SITE WITH REPRESENTATIVES OF THE PAULDING COUNTY DEPARTMENTS OF COMMUNITY DEVELOPMENT, TRANSPORTATION, AND WATER SEWER & ENVIRONMENTAL SERVICES. **WASHOUT OF THE CONCRETE TRUCK MIXER DRUM AT THE CONSTRUCTION SITE IS PROHIBITED PER N.P.D.E.S. GENERAL PERMITS.**
 - AN AS-BUILT POND CERTIFICATION LETTER FOR ALL PONDS MUST BE COMPLETED PRIOR TO C.O.

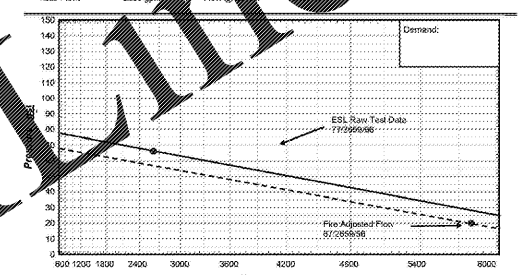
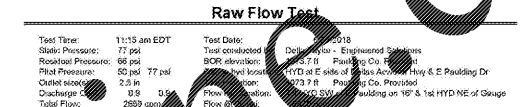
- PAULDING COUNTY WATER SYSTEM SEWER NOTES:**
- NO PERMANENT STRUCTURES SHALL BE CONSTRUCTED WITHIN THE PERMANENT WATER OR SEWER EASEMENT.
 - THE DEVELOPER SHALL NOTIFY THE WATER AND SEWER SYSTEM INSPECTOR AT (878) 224-4088 24 HOURS PRIOR TO TAPPING THE SEWER LINE.
 - SEWER PIPES SHALL HAVE GRAVEL BEDDING.
 - TRANSITION JOINTS BETWEEN SEWER PIPES OF DIFFERENT MATERIALS SHALL BE ACCOMPLISHED BY THE USE OF ADAPTERS. CONCRETE COLLARS ARE NOT ACCEPTABLE.
 - ALL TIE-INS TO EXISTING MANHOLES SHALL BE CORED. ALL MANHOLES REQUIRE "KOR-N-SEAL" OR EQUAL RUBBER BOOTS. EQUAL BOOTS MUST BE APPROVED BY THE WATER, SEWER, AND ENVIRONMENTAL SERVICES DEPARTMENT.
 - NO SEWER LINES SMALLER THAN EIGHT (8) INCHES SHALL BE TIED TO A COUNTY LINE OR MANHOLE, EXCLUDING SERVICE LATERALS.
- PAULDING COUNTY WATER SYSTEM WATER NOTES:**
- PAULDING COUNTY DOES NOT GUARANTEE WATER SERVICE ABOVE AN ELEVATION OF 1130 MSL.
 - MINIMUM COVER OF 4' OVER ALL WATER LINES.
 - WATER LINES SHALL BE 4' FROM BACK OF CURB ON SOUTH AND WEST SIDES OF ROADWAYS.
 - SERVICES SHALL BE IN THE ROAD R/W.
 - SEE DETAIL SHEETS FOR ALL WATER AND SEWER DETAILS. METERS AND BOXES SHALL BE INSTALLED AS DIRECTED BY PAULDING COUNTY WATER, SEWER AND ENVIRONMENTAL SERVICES DEPARTMENT.
 - ALL PIPES SHALL BE CLASS 300 DUCTILE IRON PIPE UNLESS NOTED OTHERWISE.
 - ALL SERVICES SHALL BE TYPE K COPPER UNLESS NOTED OTHERWISE.
 - THRUST BLOCKS SHALL BE USED AT ALL BENDS, TEES, AND FLUGS (SEE DETAIL SHEETS).
 - LONG SERVICES SHALL BE 1" INSE 1.5" PVC CASING.
 - COMPACTION EQUIPMENT SHALL BE USED ON WATER MAINS AND SERVICES UNDER PAVEMENT.
 - TRACER WIRE APPROVED BY PAULDING COUNTY WATER, SEWER, AND ENVIRONMENTAL SERVICES DEPARTMENT SHALL BE INSTALLED ON ALL PVD MAINS.
 - ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL.
 - THE ENGINEER WILL BE REQUIRED TO FURNISH THE WATER, SEWER, AND ENVIRONMENTAL SERVICES DEPARTMENT AS-BUILTS FOR ALL COMMERCIAL DEVELOPMENTS.
 - THE DEVELOPER SHALL INSTALL ALL WATER SERVICES UP TO AND INCLUDING THE METER BOXES FOR ALL COMMERCIAL DEVELOPMENTS. THE DEVELOPER SHALL NOTIFY THE WATER AND SEWER SYSTEM INSPECTOR AT (878) 224-4088 24 HOURS PRIOR TO TAPPING THE WATER LINE.

- GENERAL UTILITY NOTES:**
- UNLESS SPECIFICALLY DENOTED IN CONTRACT DOCUMENTS, CONTRACTOR TO RETAIN AND PROTECT ALL EXISTING UTILITIES. IF CONFLICT OCCURS, CONTACT CIVIL ENGINEER IMMEDIATELY.
 - CONTRACTOR TO COORDINATE POWER, TELEPHONE, AND GAS SERVICE WITH INDIVIDUAL UTILITY PROVIDER.
 - CONTRACTOR TO SEE SITE ELECTRICAL PLANS BY OTHERS FOR SITE LIGHTING LOCATIONS, SERVICES, AND DETAILS.
 - CONTRACTOR SHALL VERIFY THE LOCATIONS, SIZES, MATERIAL TYPES, AND INVERT ELEVATIONS OF ALL EXISTING SANITARY SEWER AND STORM DRAINAGE STRUCTURES AND PIPES PRIOR TO CONSTRUCTION, AND NOTIFY THE OWNER AND CIVIL ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE NOTED.
 - CONTRACTOR SHALL CONSTRUCT ALL TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER OR MUNICIPAL INSPECTOR TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION.
 - VARIATIONS TO CONDITIONS OR DISCREPANCY IN ACTUAL CONDITIONS AS THEY APPLY TO THE DEMOLITION OR SITE DEVELOPMENT WORK ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER OR OWNER'S REPRESENTATIVE AND ENGINEER PRIOR TO THE COMMENCEMENT OF ANY SITE WORK.
 - CONTRACTOR SHALL LOCATE AND IDENTIFY ALL EXISTING UTILITIES THAT ARE TO REMAIN AND PROTECT THEM FROM DAMAGE.
 - CONTRACTOR TO CONDUCT ALL DEMOLITION OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSES AND FACILITIES.
 - PROTECT BENCH MARKS, PROPERTY CORNERS AND ALL OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF A MARKER NEEDS TO BE REMOVED, IT SHALL BE REFERENCED BY A LICENSED LAND SURVEYOR AND REPLACED.
 - PROVIDE TRAFFIC CONTROL AS REQUIRED, IN ACCORDANCE WITH THE U.S. DEPT. OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND GOVERNING MUNICIPALITY REQUIREMENTS.
 - DEPRESSIONS AND VOID AREAS CAUSED BY DEMOLITION WORK ARE TO BE FILLED TO SUBGRADE ELEVATION TO AVOID WATER POOLING.
 - ALL CONSTRUCTION/DEMOLITION DEBRIS SHALL BE DISPOSSED OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
 - LOCATIONS OF THE EXISTING UTILITY LINES ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION PRIOR TO BEGINNING CONSTRUCTION.
 - CONTRACTOR IS ADVISED TO VISIT THE SITE AND MAKE HIMSELF FAMILIAR WITH THE EXISTING SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
 - SEE PLUMBING DRAWINGS FOR EXACT UTILITY CONNECTION LOCATION AT THE BUILDING. LOCATIONS SHOWN ON THIS PLAN ARE FOR GENERAL COORDINATION PURPOSES ONLY AND SHOULD BE VERIFIED PRIOR TO INSTALLATION.
 - MIN. HORIZONTAL SEPARATION OF 10'-FT. AND VERTICAL SEPARATION OF 18" SHALL BE MAINTAINED BETWEEN WATER AND SANITARY SEWER FACILITIES.
 - HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.

- UTILITY PLAN GENERAL NOTES:**
- SITE CONTRACTOR SHALL COORDINATE SERVICE ROUTING OF ALL GAS, TELEPHONE, AND ELECTRICAL LINES WITH THE APPROPRIATE UTILITY COMPANY. ALL CONSTRUCTION MUST COMPLY WITH EACH UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS.
 - SITE CONTRACTOR SHALL FIELD LOCATE AND VERIFY EXISTING UTILITIES TYPE, SIZE, DEPTH, AND ALIGNMENT PRIOR TO BEGINNING GRADING.

- SANITARY SEWER GENERAL NOTES:**
- ALL WASTEWATER PIPE CONSTRUCTION MUST CONFORM TO ALL PAULDING COUNTY DEPARTMENT OF WATER, SEWER AND ENVIRONMENTAL SERVICES STANDARDS AND SPECIFICATIONS.
 - CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATIONS OF WASTEWATER PIPE FOR CONNECTION TO EXISTING WASTEWATER SYSTEMS.
 - SEWERS SHOULD BE LAD AT LEAST 10 FEET HORIZONTALLY AND 18" VERTICALLY FROM ANY EXISTING OR PROPOSED WATER MAIN, WITH THE WATER MAIN ABOVE THE SEWER PIPE. SEWERS CROSSING WATER MAINS SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, EITHER THE WATER MAIN OR THE SEWER SHOULD BE DUCTILE IRON OR SHALL BE ENCASED IN DUCTILE IRON OR CONCRETE FOR A MINIMUM OF ONE FULL JOINT LENGTH ON EACH SIDE OF THE CROSSING.
 - ALL CLEANOUT CAPS MUST BE BRASS AND BE PLACED FLUSH WITH THE EXISTING OR PROPOSED GRADES.

Project Name: College & Career Academy
 Site Location: 4555 Dallas Acworth Hwy
 City, State: Dallas, GA
 Attachment # 1
 Service



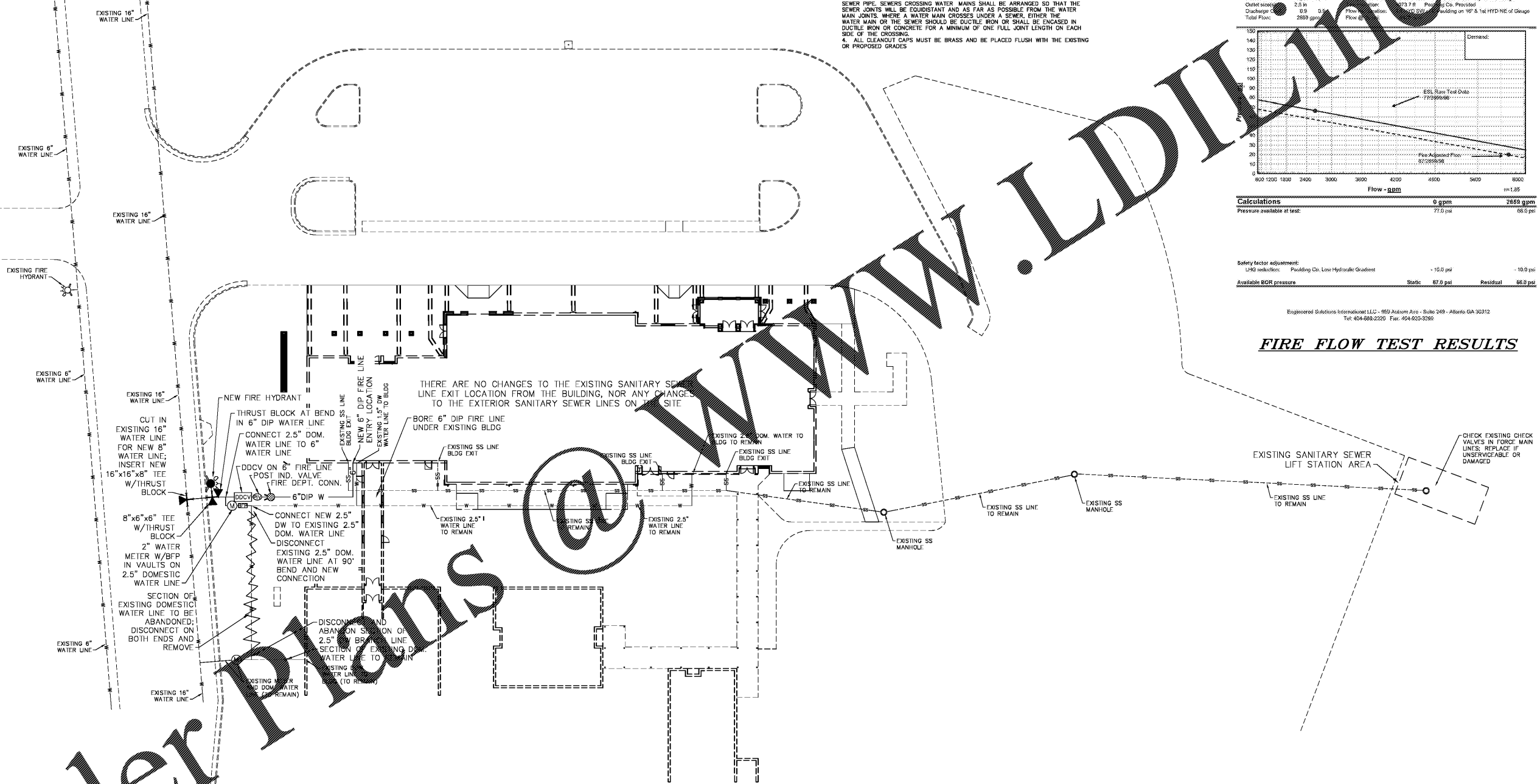
Calculations

Flow	0 gpm	2859 gpm
Pressure available at test:	77.0 psi	66.0 psi

Safety factor adjustment: -10.0 psi
 LHD reduction: Pauling Co. Low Hydraulic Gradient -10.0 psi
 Available BGR pressure: Static: 87.0 psi Residual: 66.0 psi

Engineered Solutions International LLC - 1850 Autumn Park - Suite 349 - Atlanta, GA 30312
 Tel: 404-888-3229 Fax: 404-903-5288

FIRE FLOW TEST RESULTS



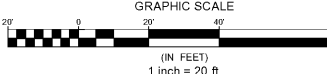
CAUTION-NOTE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE MANHOLES PLUTTS OBTAINED AND, WHERE POSSIBLE, REASSEMBLED TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND/OR ELEVATION OF UTILITIES AT LEAST 24 HOURS BEFORE ANY CONSTRUCTION TO REDUCED EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE NECESSARY CONSTRUCTION WITH THE UTILITIES WHICH CONTACT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

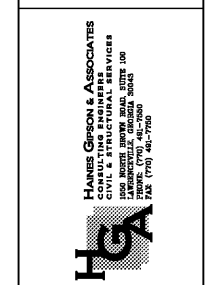
NOTE: SEE ARCHITECTURAL DRAWINGS FOR EXACT UTILITY CONNECTION LOCATIONS AT THE BUILDING. LOCATIONS SHOWN ON THIS PLAN ARE FOR GENERAL COORDINATION PURPOSES ONLY AND SHOULD BE VERIFIED PRIOR TO INSTALLATION.

NOTE: CONTRACTOR SHALL RE-LOCATE OR REMOVE ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA AS NECESSARY.

UTILITY PLAN



CAUTION NOTE TO CONTRACTOR: THE LOCATION, PIPE MATERIAL, AND LINE SIZES OF ALL EXISTING UTILITIES SHOWN ON THIS DRAWING ARE BASED ON ORIGINAL SITE DESIGN DRAWINGS AND INFORMATION OBTAINED FROM THE PAULDING COUNTY WATER SYSTEM. ALL UTILITY LOCATIONS, SIZES, AND MATERIALS MUST BE VERIFIED BY THE CONTRACTOR DURING CONSTRUCTION.



PAULDING COLLEGE & CAREER ACADEMY
 4555 DALLAS ACWORTH HIGHWAY
 DALLAS, GEORGIA 30132
 FACILITY CODE NO. 110-3403

PAULDING COUNTY SCHOOLS

UTILITY PLAN

Date: AUG 8, 2018
 Project Number: 17129

C2.0

HGA JOB NO. 2018-166