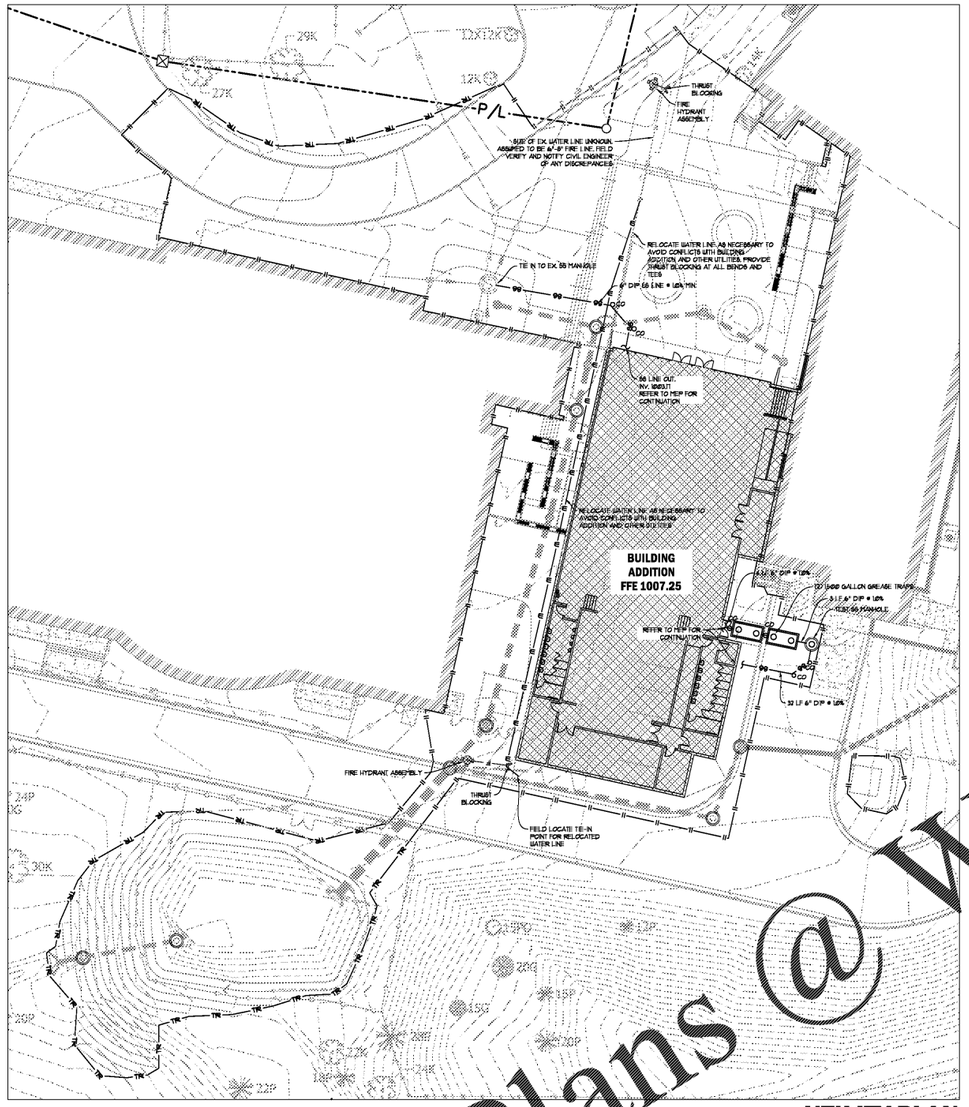
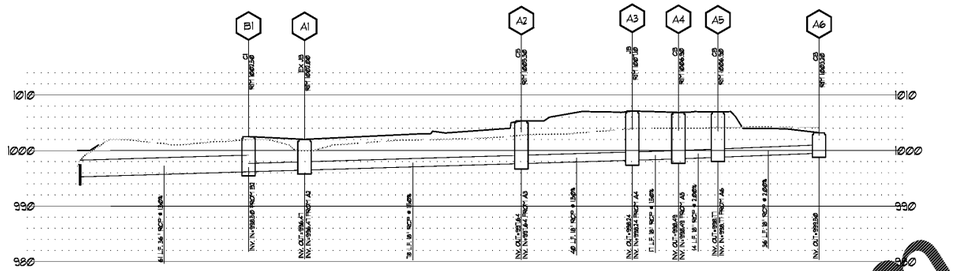
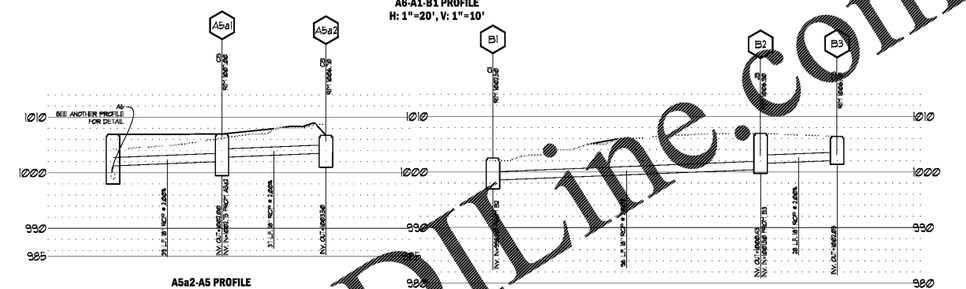


UTILITY PLAN

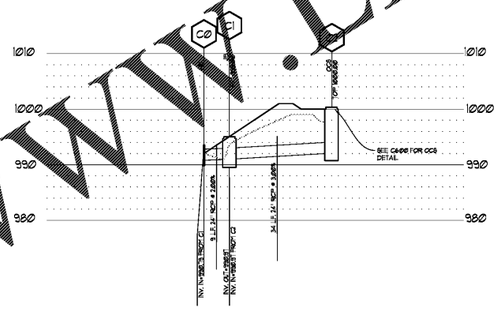


A6-A1-B1 PROFILE
H: 1"=20', V: 1"=10'

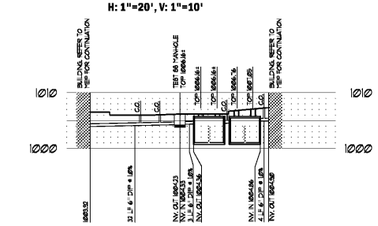


A5a2-A5 PROFILE
H: 1"=20', V: 1"=10'

B3-B1 PROFILE
H: 1"=20', V: 1"=10'

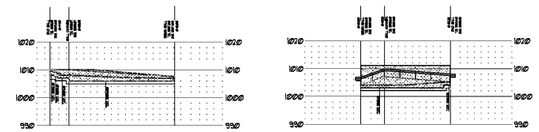


C2-C0 PROFILE
H: 1"=20', V: 1"=10'



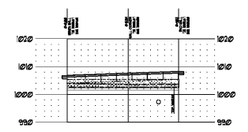
SANITARY SEWER PROFILE
H: 1"=20', V: 1"=10'

NOTE: ALL INVERTS GIVEN ARE FOR REFERENCE ONLY. INVERTS WILL BE DETERMINED BY EXISTING SANITARY INVERTS AT TIE-IN LOCATIONS. REFER TO MEP AND FIELD VERIFY. NOTIFY CIVIL ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.



CAST IN PLACE RETAINING WALL A ELEVATION VIEW
SCALE: 1"=10'-0"

CAST IN PLACE RETAINING WALL B ELEVATION VIEW
SCALE: 1"=10'-0"



CAST IN PLACE RETAINING WALL C ELEVATION VIEW
SCALE: 1"=10'-0"

SITE PLAN LEGENDS

SIGNAGE
- SIGN
- STOP SIGN - MUTCD STANDARD R1-1
- YIELD SIGN - MUTCD STANDARD R1-2
- NO PARKING SIGN - MUTCD STANDARD R8-3a
- DO NOT ENTER SIGN - MUTCD STANDARD R5-1
- ONE WAY SIGN - MUTCD STANDARD R6-1

SITE GRADING
- PROPOSED INTERMEDIATE CONTOURS
- PROPOSED INDEX CONTOURS
- SPOT ELEVATION
- BERM
- HP, HIGH POINT
- LP, LOW POINT
- FLOW DIRECTION
- SCALE
- SLOPE INDICATOR (1V:xH)
- TW SHED FINISHED GRADE AT TOP OF WALL
- BW SHED FINISHED GRADE AT BOTTOM OF WALL
- TC SHED TOP OF CURBS ELEVATION

STORM DRAINAGE
- STORM STRUCTURE LABEL
- HW, HEADWALL
- FES, MARYLAND SECTION STANDARD 357 / SAFETY MODIFICATION GDOT STANDARD 1030
- CB, CATCH BASIN / GRATE INLET
- JB, JUNCTION BOX
- DI (TYPE 'C' TOP), DROP INLET - PEDESTAL TOP
- CI (TYPE 'B'), CURB INLET - GDOT STANDARD 1015x W/ TYPE 'E' HOOD
- DWCB, SINGLE WING CATCH BASIN - GDOT STANDARD 1033D
- DWCB, DOUBLE WING CATCH BASIN - GDOT STANDARD 1034D
- OCS, OUTLET CONTROL STRUCTURE
- TOP, TOP OF STRUCTURE ELEVATION
- TH, THROAT OF STRUCTURE ELEVATION
- HDPE, HIGH-DENSITY POLYETHYLENE PIPE
- ASTM, ALUMINIZED STEEL TYPE 2 PIPE
- ASTM-SB, ASTM SPIRAL RIB CPP (MANNING'S n=0.020, ULTRAFLO) (TM) OR APPROVED EQUAL
- DIP, DUCTILE IRON PIPE
- RCP, REINFORCED CONCRETE PIPE (CLASS IV OR V) W/ RUBBER O-RING GASKET
- PVC, POLYVINYL CHLORIDE PIPE (SCHEDULE 40)
- INV. IN, INVERT ELEVATION - IN
- INV. OUT, INVERT ELEVATION - OUT
- HGL, HYDRAULIC GRADE LINE

LAYOUT & STAKING
- COORDINATE POINT
- POB, POINT OF BEGINNING
- C1.00, DETAIL REFERENCE (DETAIL# SHEET#)
- HANDRAIL AND/OR GUARDRAIL
- G.D.O.T. TYPE 4810 VEHICULAR GUARDRAIL

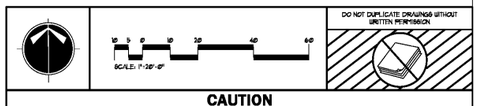
PAVEMENT MARKINGS
- PARKING ARROW - STRAIGHT, WHITE
- PARKING ARROW - TURN, WHITE
- PAINTED CROSSWALK - WHITE
- ADA PARKING ACCESS AISLE - BLUE
- PAINTED WORD "STOP" - WHITE
- PAINTED WORD "ONLY" - WHITE

SITE UTILITIES
- W, DOMESTIC WATER
- F, FIRE MAIN
- FH, FIRE HYDRANT
- PIV, POST INDICATOR VALVE
- TB, CONCRETE THRUST BLOCKING
- WV, WATER VALVE
- S, GRAVITY SANITARY SEWER
- FM, FORCE MAIN

GENERAL
- TP, TREE PROTECTION FENCE
- LOD, LIMITS OF CONSTRUCTION
- EXISTING TREE TO BE REMOVED

PIPE PROFILE LEGEND

	EXISTING GRADE
	PROPOSED GRADE
RCP	REINFORCED CONCRETE PIPE (CLASS IV)
DIP	DUCTILE IRON PIPE (CLASS 52)
HDPE	HIGH DENSITY POLYETHYLENE PIPE
ASTM	ALUMINIZED STEEL TYPE 2
ASTM-SB	ALUMINIZED STEEL TYPE 2 SMOOTH BORE (MANNING'S n=0.012)
PVC	POLYVINYL CHLORIDE PIPE (SCHEDULE 40)
HW	HEADWALL
DI	DROP INLET (PEDESTAL TOP)
JB	JUNCTION BOX
SWCB	SINGLE WING CATCH BASIN
DWCB	DOUBLE WING CATCH BASIN
CB	CATCH BASIN
BH	BEE HIVE CATCH BASIN
MYA	CURB INLET (GA. D.O.T. STD.)
FES	FLARED END SECTION
SES	SAFETY END SECTION
INV.	INVERT ELEVATION
HGL	HYDRAULIC GRADE LINE



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.

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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.

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GEORGIA REGISTERED No. 1590 PROFESSIONAL ENGINEER ROGER LEE HEWETT

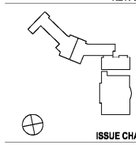
ISSUED FOR CONSTRUCTION

PROJECT

RELEASED FOR CONSTRUCTION 06/07/2019

KIPP ATLANTA COLLEGIATE - Addition and Renovations
98 Anderson Ave NW
Atlanta GA 30314

KEYPLAN



ISSUE CHART

MARK	ISSUE	DATE
Job Number	BLP 18156	
Drawn	RLW	
Checked	AAW	
Approved	AAW	

TITLE

SITE UTILITY PLAN & PROFILES

SHEET NUMBER

C300

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