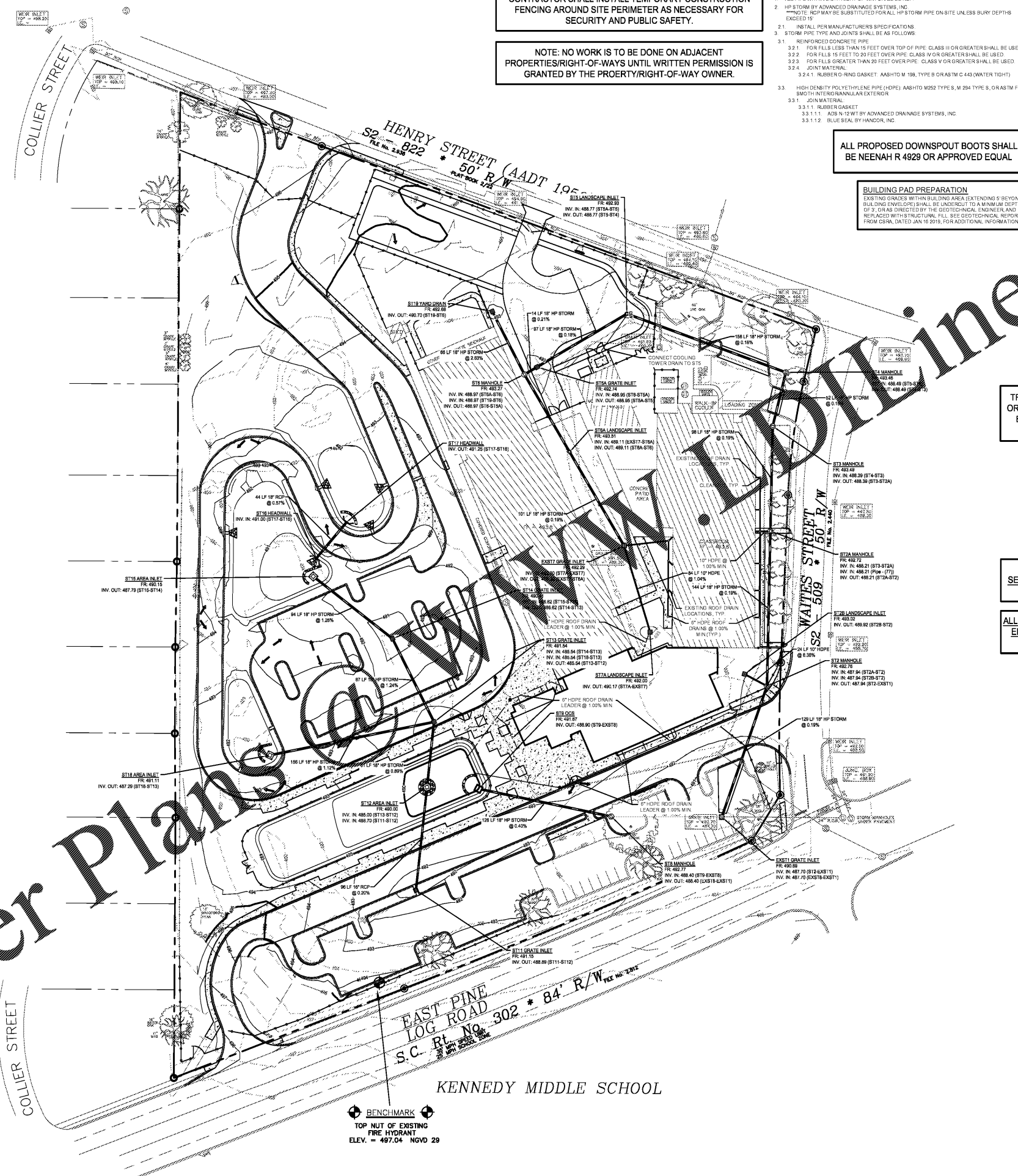


Order Plans



CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND SITE PERIMETER AS NECESSARY FOR SECURITY AND PUBLIC SAFETY.

NOTE: NO WORK IS TO BE DONE ON ADJACENT PROPERTIES/RIGHT-OF-WAYS UNTIL WRITTEN PERMISSION IS GRANTED BY THE PROPERTY/RIGHT-OF-WAY OWNER.

- ### STORM PIPE NOTES
- ALL PIPE WITHIN 0.7' RIGHT-OF-WAY SHALL BE RCP
 - HP STORM BY ADVANCED DRAINAGE SYSTEMS, INC
 - NOTE: RCP MAY BE SUBSTITUTED FOR ALL HP STORM PIPE ON-SITE UNLESS BURY DEPTHS EXCEED 12'
 - INSTALL PER MANUFACTURER'S SPECIFICATIONS
 - STORM PIPE TYPE AND JOINTS SHALL BE AS FOLLOWS
 - RENFORCED CONCRETE PIPE
 - FOR FILLS LESS THAN 15 FEET OVER TOP OF PIPE, CLASS III OR GREATER SHALL BE USED
 - FOR FILLS 15 FEET TO 20 FEET OVER PIPE, CLASS IV OR GREATER SHALL BE USED
 - FOR FILLS GREATER THAN 20 FEET OVER PIPE, CLASS V OR GREATER SHALL BE USED
 - JOINT MATERIAL
 - RUBBER-O-RING GASKET AASHTO M 199, TYPE B OR ASTM C 443 (WATER TIGHT)
 - HIGH DENSITY POLYETHYLENE PIPE (HDPE) AASHTO M 252 TYPE S, M 294 TYPE S, OR ASTM F 2306 50/75 INTERLOCK MANHOLE EXTERIOR
 - JOINT MATERIAL
 - RUBBER GASKET
 - 3.3.1.1.1. ADS N-2917 BY ADVANCED DRAINAGE SYSTEMS, INC
 - 3.3.1.1.2. BLUE SEAL BY HANGOR, INC

ALL PROPOSED DOWNSPOUT BOOTS SHALL BE NEENAH R 4929 OR APPROVED EQUAL

BUILDING PAD PREPARATION
 EXISTING GRADES WITHIN BUILDING AREA (EXTENDING 5' BEYOND BUILDING FOOTPRINT) SHALL BE LOWERED TO A MINIMUM DEPTH OF 3' OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND REPLACED WITH STRUCTURAL FILL. SEE GEOTECHNICAL REPORT FROM CSRA, DATED JAN 16 2019, FOR ADDITIONAL INFORMATION.

- ### GRADING NOTES
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES ABOVE OR BELOW GROUND AS SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE LOCATED BASED ON EITHER VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS AND/OR FROM UTILITY OWNERS. GMC DOES NOT GUARANTEE THAT EXISTING UTILITY LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANIES AND THE UTILITIES PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS AS SHOWN ON THESE PLANS.
 - ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED
 - PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION
 - EXISTING DRAINAGE STRUCTURES TO BE REMOVED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS
 - EXISTING GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS
 - PROPOSED GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS
 - IF ANY EXISTING STRUCTURES TO BE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER
 - ALL STORM PIPE ENTERING STRUCTURES SHALL BE GRADED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT
 - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE SET WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVER. MANHOLES IN UNPAVED AREAS SHALL BE SET ABOVE FINISH GRADE
 - THE CONTRACTOR SHALL ADHERE TO ALL PERMITS & CONDITIONS AS REQUIRED IN THE GENERAL N.P.D.E. PERMIT FOR STORM SEWER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES
 - CONTRACTOR SHALL ADHERE TO ALL PERMITS & CONDITIONS AS REQUIRED TO ASSURE A SMOOTH FINISH AND PROPERLY GRADED SURFACES NECESSARY FOR NATURAL AND PAVED AREAS
 - ALL UNPAVED AREAS TO BE DISTURBED DURING OPERATIONS SHALL RECEIVE 4 INCHES OF TOP SOIL. EXISTING STABILIZATION FABRIC TO ALL SLOPES AS INDICATED ON THE EROSION CONTROL SHEETS SHALL BE REPAIRED OR REPLACED AS NEEDED TO MEET ALL APPLICABLE COUNTY SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED
 - CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSISTENT WITH THE CITY OF AIKEN, SOUTH CAROLINA
 - ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT-TO-TO INVERT-OUT
 - CONTRACTOR TO CONTACT THE CITY/UNION FIRE DEPARTMENT FOR BLASTING REQUIREMENTS
 - CONTRACTOR SHALL VERIFY BENCHMARKS PRIOR TO SETTING FINISHED GRADES
 - ALL A/D A SPACES SHALL BE GRADED TO HAVE A MAXIMUM SLOPE OF 2.00% IN ANY DIRECTION
 - CONTRACTOR SHALL COORDINATE ALL EXCAVATION WITH GEOTECHNICAL TESTING COMPANY. ALL CONTRACTORS SHALL BE IN THE GEOTECHNICAL REPORT
 - ANY EXISTING EXPOSURE OF SOIL AND/OR MATERIALS SHALL BE TOPPED FROM A PERMITTED BORROW/PILE SITE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING DOCUMENTATION TO ALL REPORTS AND ALL REPORTS TO BE USED FOR CONSTRUCTION
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER ANY AREAS THAT MAY TRAP STORMWATER RUNOFF AND/OR NOT DRAIN PROPERLY

TREE PROTECTION FENCING SHALL BE HOPE HIGH VISIBILITY ORANGE OR CHAIN LINK. ALL TREE PROTECTION FENCE SHALL BE A MIN. OF 5' TALL MOUNTING STAKES/POSTS SHALL BE DRIVEN A MIN. OF 2' INTO GROUND @ 10' SPACING (MAX).

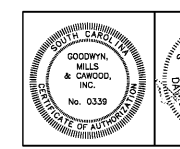
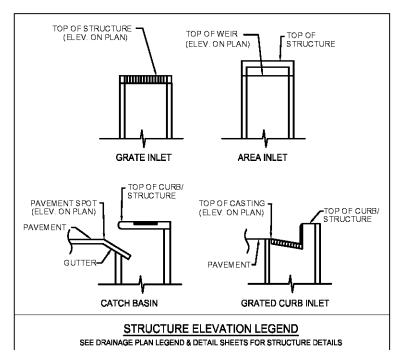
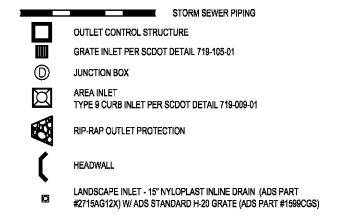
NOTE: PRECAST CONCRETE STRUCTURES MAY BE SUBSTITUTED FOR ALL ADS/NYOPLAST DRAINAGE STRUCTURES.

ALL SIDEWALKS SHALL HAVE 2.00% MAX CROSS-SLOPE, UNLESS NOTED OTHERWISE

SEE ARCHITECTURAL PLANS FOR PHASING PROJECT PHASING

ALL DISTURBED AREAS ARE TO BE SEEDED AND STABILIZED PER EROSION CONTROL SHEETS C-401 - C-501 AND PER EROSION CONTROL DETAILS

DRAINAGE PLAN LEGEND



ISSUE	DATE
BID DOCUMENTS	10.24.19

MILLBROOK ELEMENTARY SCHOOL - ADDITIONS AND RENOVATIONS
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GRADING & DRAINAGE PLAN
C-201



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