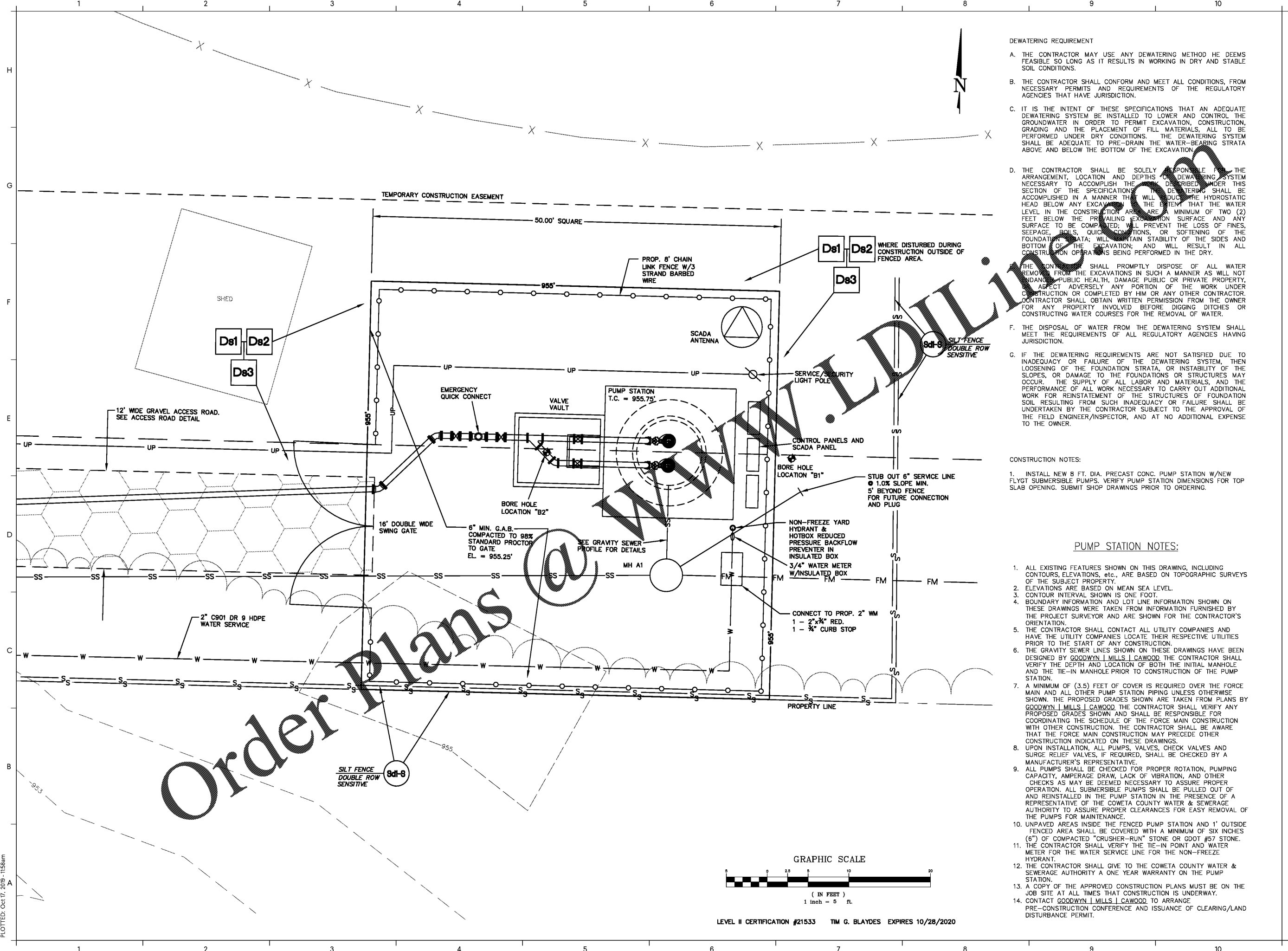


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 PLOTTED: Oct 17, 2019 - 11:38am



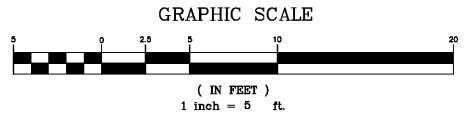
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- DEWATERING REQUIREMENT**
- THE CONTRACTOR MAY USE ANY DEWATERING METHOD HE DEEMS FEASIBLE SO LONG AS IT RESULTS IN WORKING IN DRY AND STABLE SOIL CONDITIONS.
 - THE CONTRACTOR SHALL CONFORM AND MEET ALL CONDITIONS, FROM NECESSARY PERMITS AND REQUIREMENTS OF THE REGULATORY AGENCIES THAT HAVE JURISDICTION.
 - IT IS THE INTENT OF THESE SPECIFICATIONS THAT AN ADEQUATE DEWATERING SYSTEM BE INSTALLED TO LOWER AND CONTROL THE GROUNDWATER IN ORDER TO PERMIT EXCAVATION, CONSTRUCTION, GRADING AND THE PLACEMENT OF FILL MATERIALS, ALL TO BE PERFORMED UNDER DRY CONDITIONS. THE DEWATERING SYSTEM SHALL BE ADEQUATE TO PRE-DRAIN THE WATER-BEARING STRATA ABOVE AND BELOW THE BOTTOM OF THE EXCAVATION.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE ARRANGEMENT, LOCATION AND DEPTHS OF DEWATERING SYSTEM NECESSARY TO ACCOMPLISH THE WORK DESCRIBED UNDER THIS SECTION OF THE SPECIFICATIONS. THE DEWATERING SHALL BE ACCOMPLISHED IN A MANNER THAT WILL REDUCE THE HYDROSTATIC HEAD BELOW ANY EXCAVATION TO THE EXTENT THAT THE WATER LEVEL IN THE CONSTRUCTION AREA IS A MINIMUM OF TWO (2) FEET BELOW THE PREVAILING EXCAVATION SURFACE AND ANY SURFACE TO BE COMPACTED; WILL PREVENT THE LOSS OF FINES, SEEPAGE, BOILS, QUICK CONDITIONS, OR SOFTENING OF THE FOUNDATION DATA; WILL MAINTAIN STABILITY OF THE SIDES AND BOTTOM OF THE EXCAVATION; AND WILL RESULT IN ALL CONSTRUCTION OPERATIONS BEING PERFORMED IN THE DRY.
 - THE CONTRACTOR SHALL PROMPTLY DISPOSE OF ALL WATER REMOVED FROM THE EXCAVATIONS IN SUCH A MANNER AS WILL NOT ENDANGER PUBLIC HEALTH, DAMAGE PUBLIC OR PRIVATE PROPERTY, AFFECT ADVERSELY ANY PORTION OF THE WORK UNDER CONSTRUCTION OR COMPLETED BY HIM OR ANY OTHER CONTRACTOR. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE OWNER FOR ANY PROPERTY INVOLVED BEFORE DIGGING DITCHES OR CONSTRUCTING WATER COURSES FOR THE REMOVAL OF WATER.
 - THE DISPOSAL OF WATER FROM THE DEWATERING SYSTEM SHALL MEET THE REQUIREMENTS OF ALL REGULATORY AGENCIES HAVING JURISDICTION.
 - IF THE DEWATERING REQUIREMENTS ARE NOT SATISFIED DUE TO INADEQUACY OR FAILURE OF THE DEWATERING SYSTEM, THEN LOOSENING OF THE FOUNDATION STRATA, OR INSTABILITY OF THE SLOPES, OR DAMAGE TO THE FOUNDATIONS OR STRUCTURES MAY OCCUR. THE SUPPLY OF ALL LABOR AND MATERIALS, AND THE PERFORMANCE OF ALL WORK NECESSARY TO CARRY OUT ADDITIONAL WORK FOR REINSTATEMENT OF THE STRUCTURES OF FOUNDATION SOIL RESULTING FROM SUCH INADEQUACY OR FAILURE SHALL BE UNDERTAKEN BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE FIELD ENGINEER/INSPECTOR, AND AT NO ADDITIONAL EXPENSE TO THE OWNER.

- CONSTRUCTION NOTES:**
- INSTALL NEW 8 FT. DIA. PRECAST CONC. PUMP STATION W/NEW FLYGT SUBMERSIBLE PUMPS. VERIFY PUMP STATION DIMENSIONS FOR TOP SLAB OPENING. SUBMIT SHOP DRAWINGS PRIOR TO ORDERING.

- PUMP STATION NOTES:**
- ALL EXISTING FEATURES SHOWN ON THIS DRAWING, INCLUDING CONTOURS, ELEVATIONS, etc., ARE BASED ON TOPOGRAPHIC SURVEYS OF THE SUBJECT PROPERTY.
 - ELEVATIONS ARE BASED ON MEAN SEA LEVEL.
 - CONTOUR INTERVAL SHOWN IS ONE FOOT.
 - BOUNDARY INFORMATION AND LOT LINE INFORMATION SHOWN ON THESE DRAWINGS WERE TAKEN FROM INFORMATION FURNISHED BY THE PROJECT SURVEYOR AND ARE SHOWN FOR THE CONTRACTOR'S ORIENTATION.
 - THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THE UTILITY COMPANIES LOCATE THEIR RESPECTIVE UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION.
 - THE GRAVITY SEWER LINES SHOWN ON THESE DRAWINGS HAVE BEEN DESIGNED BY GOODWYN | MILLS | CAWOOD. THE CONTRACTOR SHALL VERIFY THE DEPTH AND LOCATION OF BOTH THE INITIAL MANHOLE AND THE TIE-IN MANHOLE PRIOR TO CONSTRUCTION OF THE PUMP STATION.
 - A MINIMUM OF (3.5) FEET OF COVER IS REQUIRED OVER THE FORCE MAIN AND ALL OTHER PUMP STATION PIPING UNLESS OTHERWISE SHOWN. THE PROPOSED GRADES SHOWN ARE TAKEN FROM PLANS BY GOODWYN | MILLS | CAWOOD. THE CONTRACTOR SHALL VERIFY ANY PROPOSED GRADES SHOWN AND SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULE OF THE FORCE MAIN CONSTRUCTION WITH OTHER CONSTRUCTION. THE CONTRACTOR SHALL BE AWARE THAT THE FORCE MAIN CONSTRUCTION MAY PRECEDE OTHER CONSTRUCTION INDICATED ON THESE DRAWINGS.
 - UPON INSTALLATION, ALL PUMPS, VALVES, CHECK VALVES AND SURGE RELIEF VALVES, IF REQUIRED, SHALL BE CHECKED BY A MANUFACTURER'S REPRESENTATIVE.
 - ALL PUMPS SHALL BE CHECKED FOR PROPER ROTATION, PUMPING CAPACITY, AMPERAGE DRAW, LACK OF VIBRATION, AND OTHER CHECKS AS MAY BE DEEMED NECESSARY TO ASSURE PROPER OPERATION. ALL SUBMERSIBLE PUMPS SHALL BE PULLED OUT OF AND REINSTALLED IN THE PUMP STATION IN THE PRESENCE OF A REPRESENTATIVE OF THE COWETA COUNTY WATER & SEWERAGE AUTHORITY TO ASSURE PROPER CLEARANCES FOR EASY REMOVAL OF THE PUMPS FOR MAINTENANCE.
 - UNPAVED AREAS INSIDE THE FENCED PUMP STATION AND 1' OUTSIDE FENCED AREA SHALL BE COVERED WITH A MINIMUM OF SIX INCHES (6") OF COMPACTED "CRUSHER-RUN" STONE OR GDOT #57 STONE.
 - THE CONTRACTOR SHALL VERIFY THE TIE-IN POINT AND WATER METER FOR THE WATER SERVICE LINE FOR THE NON-FREEZE HYDRANT.
 - THE CONTRACTOR SHALL GIVE TO THE COWETA COUNTY WATER & SEWERAGE AUTHORITY A ONE YEAR WARRANTY ON THE PUMP STATION.
 - A COPY OF THE APPROVED CONSTRUCTION PLANS MUST BE ON THE JOB SITE AT ALL TIMES THAT CONSTRUCTION IS UNDERWAY.
 - CONTACT GOODWYN | MILLS | CAWOOD TO ARRANGE PRE-CONSTRUCTION CONFERENCE AND ISSUANCE OF CLEARING/LAND DISTURBANCE PERMIT.



LEVEL II CERTIFICATION #21533 TIM G. BLAYDES EXPIRES 10/28/2020



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PRELIMINARY	08.15.2019
75% SUBMITTAL	10.01.2019
BID READY	10.18.2019

NORTHGATE HIGH SCHOOL
 SANITARY SEWER
 COWETA COUNTY WATER AND
 SEWERAGE AUTHORITY

CATL190025



NORTHGATE PUMP STATION
 SITE PLAN

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