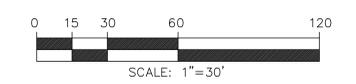


UTILITY NOTES

**SANITARY SEWER:**  
 BACKWATER VALVES SHALL BE PROVIDED FOR ALL BUILDINGS WITH FINAL FLOOR ELEVATIONS LESS THAN 1'-0" ABOVE MANHOLE TOPS.  
 MINIMUM GROUND COVER OF 3'-0" TO BE PROVIDED FOR ALL SANITARY SEWER COLLECTION LINES 4" AND LARGER. IF MINIMUM COVER IS NOT PROVIDED, SPECIFY APPROVED FERROUS PIPE.  
 MINIMUM COVER OF 5'-0" IN TRAFFIC AREAS TO BE PROVIDED FOR ALL COLLECTION LINES 4" AND LARGER. IF LESS THAN 5'-0", DUCTILE IRON PIPE SHALL BE REQUIRED IN CLASS 1 BEDDING (MINIMUM COVER SHALL BE NO LESS THAN 3'-0").  
 MINIMUM SLOPE FOR 4" SANITARY SEWER COLLECTION LINES SHALL BE NO LESS THAN 1.0% WITH CLEANOUTS EVERY 100 LINEAL FEET.  
 MINIMUM SLOPE FOR 6" SANITARY SEWER COLLECTION LINES SHALL BE NO LESS THAN 1.0% WITH CLEANOUTS EVERY 100 LINEAL FEET.  
 MAINTAIN 24" VERTICAL SEPARATION FROM STORM SEWER OR SPECIFY FERROUS PIPE FOR SANITARY SEWER. ALSO MAINTAIN 10 FEET HORIZONTAL SEPARATION OR 18" VERTICAL SEPARATION FROM WATER MAINS OR SPECIFY APPROVED FERROUS PIPE FOR SANITARY SEWER AND WATER.  
 ALL 8" SEWER MAINS AND ASSOCIATED MANHOLES SHALL BE PUBLIC AND LOCATED WITHIN 20 FOOT TOWN OF PITTSBORO PUBLIC SANITARY SEWER EASEMENTS AS NOTED ON PLAN.

WATER:

WATER MAIN TO BE INSTALLED AT A DEPTH WITH A MINIMUM COVER OF 36", WITH 18" VERTICAL CLEARANCE MINIMUM FROM OTHER UNDERGROUND UTILITIES AND 10 FEET HORIZONTAL CLEARANCE FROM ALL OTHER UTILITIES.  
 PRESSURE REDUCING VALVES SHALL BE PROVIDED IF PRESSURE IS IN EXCESS OF 80 PSI.  
 THE 8" WATER MAIN WITHIN THE RIGHT-OF-WAY OF US HWY 64 W SHALL BE PUBLIC. THIS DESIGNATION SHALL EXTEND TO THE WATER METERS PROPOSED FOR THE PROJECT.  
 TOWN PERSONNEL SHALL HAVE ACCESS TO THE PRIVATE FIRE HYDRANTS FOR FLUSHING PURPOSES.  
**GENERAL:**  
 ALL WATER AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF PITTSBORO STANDARD SPECIFICATIONS AND DETAILS.  
 ALL UNDERGROUND UTILITIES ARE APPROXIMATELY LOCATED. ACTUAL LOCATION AND DEPTH TO BE CONFIRMED IN FIELD PRIOR TO CONSTRUCTION.  
 STORM SEWER (RCP) SHALL BE CONSTRUCTED TO THE FOLLOWING CLASSES:  
 COVER LESS THAN 10 FEET - CLASS C OR D BEDDING, CLASS III WALLS  
 COVER 10 FEET TO 15 FEET - CLASS B BEDDING, CLASS III WALLS  
 COVER GREATER THAN 15 FEET - CLASS B BEDDING, CLASS IV WALLS  
 BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY NCDOT STREET OR HIGHWAY RIGHT-OF-WAY, THE FOLLOWING PROCEDURES SHOULD BE UNDERTAKEN: CONTACT PROJECT ENGINEERS AND OBTAIN ALL PERMITS AND ENCROACHMENTS. CROSS-CHECK PLANS WITH SPECIAL PROVISIONS, KEEP COPIES ON CONSTRUCTION SITE. ALSO CONTACT NCDOT DISTRICT OFFICE 24 HOURS IN ADVANCE BEFORE COMMENCING ANY WORK.



CONSTRUCTION DRAWING WATER AND SEWER PLAN

**THE CHATHAM COUNTY AGRICULTURE & CONFERENCE CENTER**  
PITTSBORO, NORTH CAROLINA

**MITCHELL DESIGN GROUP, INC.**  
 101 S. W. 10th St.  
 Wake Forest, NC 27586  
 Telephone: 919.286.0354  
 Fax: 919.286.0354  
 Civil Engineering | Landscape Architecture | Planning

**HOBBS ARCHITECTS, PA**  
 Architects & Consultants  
 101 S. W. 10th St.  
 Pittsboro, North Carolina 27312  
 Voice: (919) 545-2004  
 Fax: (919) 545-9002

CONSTRUCTION DRAWING SET  
 DATE 04-09-14  
**C5.2**  
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