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 IN NONTRAFFIC AREAS. 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 SITE 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.

FLOOD ZONE X

8" WATTS 909 RPDA IN AN ABOVE GRADE HEATED/INSULATED ENCLOSURE

2 ½" WATTS 909 RPZ IN AN ABOVE GRADE HEATED/INSULATED ENCLOSURE

2" TAP W/ 2" WM PER TOWN STANDARDS

2" TAP W/2" METER BOX AND SETTER FOR FUTURE IRRIGATION PER TOWN STANDARDS

8" GV
2" BLOW–OFF ASSEMBLY

8" DIP PRIVATE WATER MAIN

30' PUBLIC SEWER EASEMENT

8" SEWER

2" PVC WATER SERVICE

6" DIP WATER MAIN (PRIVATE)

8"x8"x8" TEE & (3)8"GV'S TERMINAL GATE VALVE TO BE INSTALLED WITH 2" BLOW–OFF ASSEMBLY

R/W VALVE MARKER

16" STEEL ENCASEMENT PIPE

8" DIP WATER MAIN (PUBLIC LINE TO METER CONNECTION)

NEW AG CTR MH#1 TO BE PREINSTALLED ON NEW GRAVITY SEWER MAIN FROM DETENTION CENTER

NEW FH

NEW 8" DIP WATER MAIN

8" SEWER BY OTHERS

14" STEEL ENCASEMENT PIPE

N16°21'04"E 78.48' (GROUND TIE LINE)

McKIM & CREED PNT#2 REBAR AND CAP SET (COORDINATES) N=717,793.17' E=1,941,331.92' (NAD 83/2011) ELEV=409.08' (NAVD 88) COMBINED FACTOR=0.99989158

McKIM & CREED PNT#1 REBAR AND CAP SET (COORDINATES) N=717,727.88' E=1,941,671.42' (NAD 83/2011) ELEV=407.41' (NAVD 88)

1/F REEVES 1 PG 606 1 PG 37 –97–7699

REEVES FAMILY LIMITED PARNERSHIP D.B. 785 PG. 690 P.B. 1 PG. 79

N/F HAROLD BOONE MEMORIAL SC DB 658 PG PB 95 PG PIN#9741–27–

0 15 30 60 120

SCALE: 1"=30'

CONSTRUCTION DRAWINGS WATER AND SEWER PLAN

THE CHATHAM COUNTY AGRICULTURE & CONFERENCE CENTER

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CONSTRUCTION DRAWING SET

DATE 04-09-14

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