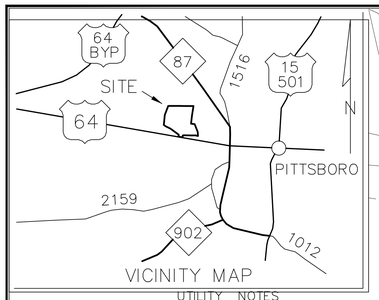

VICINITY MAP

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 PRIVATE 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

JURISDICTIONAL STREAM ACCORDING TO REPORT BY ENVIRONMENTAL SERVICES, INC.

RUINS (BARN)

FLOOD ZONE AE

FLOOD ZONE X

S 05°57'16" E

ASHFORD LAKE (EDGE OF WATER) (RIPARIAN ENCROACHMENT)

50' RIPARIAN BUFFER

ASHFORD LAKE

ASHFORD LAKE SUBDIVISION P.S. 97-209

FUTURE 30' PUBLIC SEWER EASEMENT – LOCATION SUBJECT TO ADJUSTMENT UPON DESIGN OF GRAVITY SEWER OUTFALL

FENCE

ASHFORD LAKE DAM

EIP

S 83°43'59" E 264.24'

IRS

EIP

ZONE X

ZONE AE

FLOOD ZONE AE

JURISDICTIONAL STREAM ACCORDING TO REPORT BY ENVIRONMENTAL SERVICES, INC.

JAMES L. HATCHER
BARBARA J. HATCHER
D.B. 1077 PG. 759
P.S. 97-209

S 21°59'45" E 619.29' (MEAS)
375.94'

EIS

50' UNDISTURBED BUFFER

WILLIAM EASTERLING
KATHRYN EASTERLING
D.B. 1121, PG. 160
P.S. 97-209

WILLIAM L. STEELE, III
Deed Book 1155 Page 265
Plat Slide 2006-317

IPF

HILL CREEK

8" DIP PRIVATE WATER MAIN

FH

8" DIP PRIVATE FIRE LINE

FDC

8" DIP PRIVATE WATER MAIN

2" PVC WATER SERVICE

CO (TYP)

6" DIP PRIVATE WATER MAIN

4" DCDA

DCO

MH

8" DIP PRIVATE WATER MAIN

8" SEWER

8" DIP PRIVATE WATER MAIN

8" GV
2" BLOW-OFF ASSEMBLY

8" DIP PRIVATE WATER MAIN

8" GV
2" BLOW-OFF ASSEMBLY

30' PUBLIC SEWER EASEMENT

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

8" DIP WATER MAIN (PRIVATE)

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

15"RCP INV=391.27

INV=400.76

Telephone Pedestal

NEW FH

16"RCP INV=397.39' END NOT FOUND

N/F HAROLD BOONE MEMORIAL SCOUTING FUNDS, INC. DB 658, PG 299 PB 85 PG 5 PIN#9741-27-1801

EX 5'X5' BOX CULVERT W/ CONC HW INV=383.52'

N/F GRAHAM DOUGLAS DB 483 PG 277 PIN#9741-27-7714

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

8"x8" TEE & (3)38"GV'S TERMINAL GATE VALVE TO BE INSTALLED WITH 2" BLOW-OFF ASSEMBLY

R/W VALVE MARKER

36" 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

8" SEWER BY OTHERS

NEW 8" DIP WATER MAIN

14" STEEL ENCASEMENT PIPE

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)

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

EX 5'X5' BOX CULVERT W/ CONC HW INV=383.98'

NEW FH

U.S. HIGHWAY 64 R/W (100' PUBLIC R/W)

NEW 8" DIP WATER MAIN

R/W VALVE MARKER

14" STEEL ENCASEMENT PIPE

REEVES FAMILY LIMITED PARTNERSHIP Deed Book 785 Page 690 Plat Slide 1-79

EX TWIN 7' X 5' CULVERTS W/ INV=367.46'

EX MH RIM=38 INV(S)

INV=379.52'

12"RCP INV=382.68'

INV=381.76'

EX TWIN 7' X 5' BOX CULVERTS W/CONC HW INV=306.11'

0 30 60 120 240

SCALE: 1"=60'

US HWY 64 WATER TIE INSET

SSMH RIM=382.15'

EX CB TOP@GL=381.32' INV=378.97'

NEW FH

R/W VALVE MARKER

EX MH RIM=372.71' INV(N)=365.48'

15"CMP INV=369.82'

14" STEEL ENCASEMENT PIPE

ZONE AE

DR. NOAH ROUSE WILSON, II AND WIFE, SUSAN SCHLEF WILSON Deed Book 768 Page 150 Plat Slide A-682

EXISTING 8" WATER MAIN

EXISTING 8" MAIN LINE VALVE AND BLOW-OFF ASSEMBLY IN DRIVEWAY OF DENTIST OFFICE

CONNECT TO EXISTING 8" WATER MAIN AND EXTEND 8" DIP WATER MAIN

EX FH

N 88°43'50" W 192.39'

N 88°27'18" W 166.42'

N 88°27'18" W 86.91'

OLD ROAD BED (ABANDONED) "OLD SALISBURY ROAD" S 88°59'08" W 279.40'

N 85°27'

43.92'

REFERENCE NAILS ON BRIDGE DECK (ABANDONED)

N 00°27'28" E 7.10'

N=717,790.71' E=1,942,802.11'

N=717,787.47' E=1,942,829.95'

ZONE X

ZONE AE

STREAM

THE CHATHAM COUNTY AGRICULTURE & CONFERENCE CENTER

PITTSBORO, NORTH CAROLINA

CONSTRUCTION DRAWINGS WATER AND SEWER PLAN

MITCHELL DESIGN GROUP
Civil Engineering | Landscape Architecture | Planning
Wake Forest, NC 27588
Telephone: 919.280.0354

HOBBS ARCHITECTS, PA
Architects & Consultants
480 Hillsboro Street, Suite 400
Pittsboro, North Carolina 27312
Voice: (919) 545-2004
Fax: (919) 545-9002

CONSTRUCTION DRAWING SET

DATE 04-09-14

C5.0

OF 00