

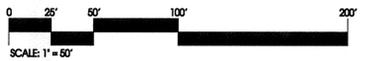
EMERGENCY ACCESS NOTE
 WHILE CONSTRUCTION IS GOING ON IN MILLBROOK DRIVE FOR THE THREE OPEN CUTS TO PROVIDE SIX WATER MAIN TAPS (LOTS 48-53), ONE LANE OF MILLBROOK DRIVE WILL BE REQUIRED TO BE KEPT OPEN FOR INGRESS AND EGRESS. IF ONE LANE CANNOT BE MAINTAINED OPEN THEN A REVISED TRAFFIC PATTERN MUST BE APPROVED BY THE FIRE DEPARTMENT PRIOR TO CONSTRUCTION.

- GENERAL UTILITY NOTES:**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF PITTSBORO STANDARD SPECIFICATIONS AND DETAILS, LATEST REVISION JANUARY 1, 2007.
 - ALL CONSTRUCTION WITHIN THE NCDOT PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST NCDOT STANDARD SPECIFICATIONS.
 - ALL RESIDENTIAL SEWER SERVICES SHALL BE 4" SCHEDULE 40 PVC. ALL RESIDENTIAL WATER SERVICES SHALL BE 3/4" TYPE K COPPER.
 - ALL STORM DRAINAGE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED.
 - ALL UTILITY LINES SHALL HAVE 20' EASEMENTS CENTERED ON THE LINES UNLESS LOCATED COMPLETELY IN ROAD R/W.
 - WATERLINE SHALL BE 2" MINIMUM OFF EDGE OF CURB UNLESS SHOWN OTHERWISE. ALL WATER LINES SHALL BE DUCTILE IRON PIPE.
 - WATERLINES SHALL BE LAID AT A MINIMUM OF 10 FEET LATERALLY MEASURED OUTSIDE EDGE TO OUTSIDE EDGE FROM EXISTING OR PROPOSED SANITARY SEWERS UNLESS THE ELEVATIONS OF THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER WITH A HORIZONTAL SEPARATION OF AT LEAST 3 FEET.
 - WHEN A WATER MAIN MUST CROSS OVER A SEWER MAIN, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN. IF THIS SEPARATION CANNOT BE OBTAINED WHILE MAINTAINING THE REQUIRED COVER, BOTH THE WATER AND SEWER MAINS SHALL BE DUCTILE PIPE, WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS, FOR 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A JOINT OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
 - WHEN A WATER MAIN MUST CROSS UNDER A SEWER MAIN, BOTH THE WATER AND SEWER MAINS SHALL BE DUCTILE IRON PIPE, WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS IS BASED ON BEST AVAILABLE INFORMATION BUT CAN BE CONSIDERED ONLY AS APPROXIMATE.
 - WHERE THE STATIC WATER PRESSURE IS IN EXCESS OF 80 PSI, A PRESSURE REDUCING VALVE SHALL BE PROVIDED INSIDE THE BUILDING IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLUMBING CODE.
 - SEWER LINES AND SERVICES INSTALLED WITH A DEPTH OF COVER LESS THAN 3' OR OVER 20 FEET SHALL REQUIRE DUCTILE IRON PIPE FOR THE ENTIRE RUN BETWEEN MANHOLES OR CLEANOUTS.
 - MINIMUM SLOPE FOR FOUR INCH SANITARY SEWER SERVICES SHALL BE 1%. CLEANOUTS SHALL BE PROVIDED AS SHOWN ON THE PLANS BUT SHALL BE SPACED AT NO GREATER THAN 75 FEET FOR 4" SERVICES. ALL CLEANOUTS SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE FINISH GRADE OR MEET THE OPTIONAL CLEANOUT REQUIREMENT METHODS.
 - ALL MANHOLES LOCATED OUTSIDE OF PAVED AREAS SHALL BE INSTALLED BETWEEN 2 AND 3 FEET ABOVE FINISHED GRADE. MANHOLES TALLER THAN 3 FEET ABOVE FINISHED GRADE SHALL BE CONSTRUCTED WITH STEPS CAST INTO THE EXTERIOR OF THE MANHOLE.
 - FOR 8"-12" SEWER LINES, 4" DIA MANHOLES SHALL BE USED FOR DEPTHS UP TO 12', 5" DIA MANHOLES FOR DEPTH FROM 12' TO 20', AND 6" DIA MANHOLES FOR DEPTHS GREATER THAN 20'.
 - GRADE ADJUSTMENT RINGS ARE ALLOWED ONLY IN ROADWAY SECTIONS. A MAXIMUM OF 2 GRADE ADJUSTMENT RINGS ARE ALLOWED ON ANY MANHOLE. GRADE ADJUSTMENT RINGS ARE NOT ALLOWED ON OUTFALL MANHOLES OR MANHOLES OTHERWISE LOCATED IN EASEMENTS.
 - CONTRACTOR TO MAINTAIN SOIL DENSITY REQUIREMENTS FOR AT LEAST 18" BETWEEN WATER AND STORM CROSSINGS. A JOINT OF RCP SHALL BE CENTERED OVER THE CROSSING WITH THE WATER MAIN.

PHASE 2E UTILITY TAKEOFFS:

LF OF 8" DIP WATERLINE:	1,463 LF
LF OF 6" DIP WATERLINE:	48 LF
LF OF 8" SEWER LINE:	1,586 LF

PRELIMINARY PLAN
 NOT APPROVED FOR CONSTRUCTION



No.	Revision	Date	By
1	TOP 1st REVIEW COMMENTS	02/20/15	JCI
2	TOP 2nd REVIEW COMMENTS	03/24/15	JCI

Designer	W&R	Scale	SEE SHEET
Drawn By	JCI	Date	12/19/14
Checked By	JCI	Job No.	020803512

POWELL PLACE - PHASE 2E
 TOWN OF PITTSBORO CHATHAM COUNTY NORTH CAROLINA

UTILITY PLAN

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