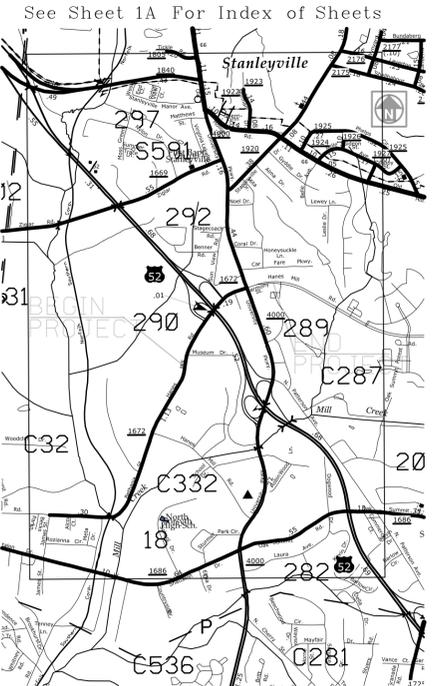


09.08/99

TIP PROJECT: U-2729



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

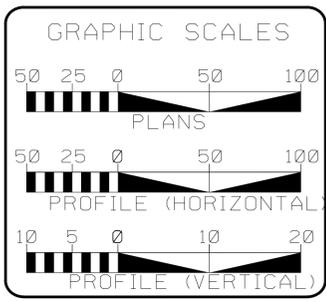
T.I.P. NO.	SHEET NO.
U-2729	UC-1

LOCATION: SR 1672 (HANES MILL ROAD) FROM MUSEUM DRIVE TO SR 4000 (UNIVERSITY PARKWAY) IN WINSTON-SALEM
 TYPE OF WORK: WATER LINE AND SEWER LINE RELOCATION



THIS PROJECT IS WITHIN THE MUNICIPAL LIMITS OF WINSTON-SALEM, NC.

DOCUMENT NOT CONSIDERED FINAL
UNTIL ALL SIGNATURES ARE COMPLETED



SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU 3C	DETAILS
UC-4 THRU UC-6	UTILITY CONSTRUCTION SHEETS
UC-7	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT

(A) CITY OF WINSTON-SALEM - WATER AND SANITARY SEWER

300 S. Main Street • Winston-Salem, NC 27101
 (803) 722-5326 • thewootencompany.com
 License Number: F-01115

John C. Grey, P.E. CONSULTANT CONTACT #1
J. Perry Mayhew, P.E. CONSULTANT CONTACT #2
 _____ CONSULTANT CONTACT #3

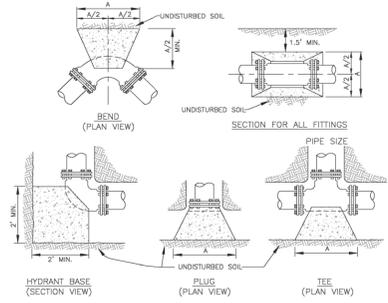
SEAL

DIVISION OF HIGHWAYS UTILITIES UNIT
 1500 MAIL SERVICES CENTER
 RALEIGH, NC 27699-1500
 PHONE (919) 737-8878
 FAX (919) 238-4181

R. David Trantham DIVISION UTILITY ENGINEER
Amy York UTILITIES ENGINEER
XXXX UTILITIES AREA COORDINATOR
Tommy Marten, TWC UTILITIES COORDINATOR

\$\$\$ \$ TIME \$\$\$
 \$\$\$ \$ DOWN \$\$\$
 \$\$\$ \$ USE RNAME \$\$\$

MISCELLANEOUS DETAILS

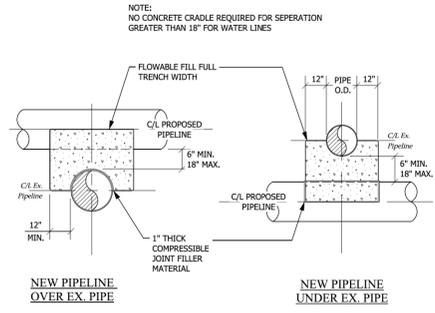


FITTING	MINIMUM "A" DIMENSION (FEET)										
	PIPE SIZE (INCHES)										
	2	4	6	8	12	16	20	24	30	36	
90° BEND	1.0	2.0	2.5	3.5	5.0	6.5	8.0	10.0	12.0	14.5	
45° BEND	1.0	1.5	2.0	2.5	4.0	5.0	6.0	7.0	9.0	10.5	
22 1/2° BEND	0.5	1.0	1.5	2.0	3.0	3.5	4.5	5.0	6.5	7.5	
15 1/4° BEND	0.5	1.0	1.0	1.5	2.0	2.5	3.0	4.0	4.5	5.5	
PLUG/TEE	1.0	1.5	2.5	3.0	4.5	5.5	7.0	8.0	10.0	12.0	

NOTE: ABOVE DIMENSIONS BASED ON THE FOLLOWING: 250 PSI WATER PRESSURE AND 2000 LB/SQ. FT. SOIL BEARING CAPACITY (SOFT CLAY)

CITY OF WINSTON-SALEM
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

1 CONCRETE THRUST BLOCKS FOR HORIZONTAL BENDS
NOT TO SCALE



2 CONCRETE CRADLE PROTECTION FOR WATER LINE CROSSINGS
NOT TO SCALE

PREPARED IN THE OFFICE OF:	PROJECT REFERENCE NO.	SHEET NO.
	U-2729	UC-3C
	DESIGNED BY: JPM	
	DRAWN BY: BTH	
CHECKED BY: JPM		
APPROVED BY: JCG		
REVISED:		
VERTICAL SCALE: 5' 0 5' 10' HORIZONTAL SCALE: 25' 0 25' 50'		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151
WATER LINE AND SEWER LINE CONSTRUCTION SHOWN ON THIS SHEET		Document Not Considered Final Unless All Signatures Completed UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

5/14/99

