

**SEWER NOTES**

1. CONTRACTOR SHALL REPAIR ALL SINKS, LATERALS AND MAINS DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY REPORT ALL SINKS AND DAMAGE TO THE FAYATVILLE PROJECT COORDINATOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS IN ACCORDANCE WITH FAYATVILLE REQUIREMENTS.

2. SEWER MAINS, LATERALS AND MANHOLES SHALL BE INSTALLED USING A FAYATVILLE APPROVED CUT SHEET, INCLUDING INSTALLATION DETAIL.

3. TRANSMISSION OF SEWER SERVICES SHALL BE ACCOMPLISHED AS FOLLOWS:  
 A. INSTALL AND TEST MAINS, MANHOLES AND UNDERPASS. CHECKS SHALL BE INSTALLED TO INSURE PROPER OPERATION OF THE SYSTEM.  
 B. CONNECT EXISTING LATERALS TO NEW LATERAL. THE NECESSARY FITTINGS ARE SPECIFIED BY FAYATVILLE.  
 C. ALL MAINS AND LATERALS SHALL BE UNDERGRADED TO THE NEARLY THE EXISTING GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

4. WHEN THE EXISTING MAINS ARE TO BE REMOVED, THE CONTRACTOR SHALL UNDERGRADE THE EXISTING LATERAL TO THE MAIN CUT AND PUMP WITH IN 10' OF THE EXISTING MAINS AND CONNECTIONS TO THE LATERAL TO MAIN CUT.

5. CONTRACTOR SHALL REMOVE ALL EXISTING SINKS AND SINKS THAT WILL NOT BE UTILIZED BY UNCOVERING THE EXISTING SINKS. THE MAIN CUT AND PUMP SHALL BE INSTALLED TO THE MAIN CUT AND PUMP WITH IN 10' OF THE EXISTING MAINS AND CONNECTIONS TO THE LATERAL TO MAIN CUT.

6. SEWER MAINS SHALL BE INSTALLED TO ELIMINATE ANY EXCESSIVE SLOPE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS TO THE MAINS AND LATERALS.

7. ALL EXISTING MAINS DAMAGED BY CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

NO.	DATE	REVISION
1	07/08	REVISED NOTES ON MANHOLE
2	07/12	ADDED NOTE ON MANHOLE
3	07/12	ADDED NOTES AND S

FAYATVILLE PUBLIC WORKS COMMISSION  
 WATER RESOURCES ENGINEERING DEPARTMENT

**STANDARD MANHOLE**

1. MANHOLE FRAME AND COVER SHALL BE MANUFACTURED BY FAYATVILLE APPROVED MANUFACTURER. ALL CASTINGS SHALL BE CLEAN AND FREE FROM DEFECTS.

2. CASTINGS SHALL BE UNPAINTED AND SHALL HAVE THE LETTERS "FAYATVILLE" AND "MANHOLE" CAST INTO THE FRAME AND COVER. ALL CASTINGS SHALL CONFORM TO THE SHAPE AND DIMENSIONS SPECIFIED BY FAYATVILLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

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**STANDARD NON-TRAFFIC AREA MANHOLE RING AND COVER WITH WIPER GASKET AND CAM LOCK**

1. MANHOLE FRAME AND COVER SHALL BE MANUFACTURED BY FAYATVILLE APPROVED MANUFACTURER. ALL CASTINGS SHALL BE CLEAN AND FREE FROM DEFECTS.

2. CASTINGS SHALL BE UNPAINTED AND SHALL HAVE THE LETTERS "FAYATVILLE" AND "MANHOLE" CAST INTO THE FRAME AND COVER. ALL CASTINGS SHALL CONFORM TO THE SHAPE AND DIMENSIONS SPECIFIED BY FAYATVILLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

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**STANDARD TRAFFIC AREA MANHOLE RING AND COVER**

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**STRUCTURE STEP**

1. CONCRETE POLYPROPYLENE FIBER REINFORCING SHALL BE PLACED 3" TO 4" BELOW THE TOP OF THE CONCRETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

2. STEPS SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

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**SEWER LATERAL**

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**SEWER LATERAL SEPARATION**

1. ALL VERTICAL AND HORIZONTAL SEPARATION SHALL BE IN ACCORDANCE WITH THE REGULATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS TO THE MAINS AND LATERALS.

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**SEWER BEDDING**

1. THE SELECT BEDDING MATERIAL SHALL BE WELL GRADED SAND OR SAND AND GRAVEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY FITTINGS AND CONNECTIONS.

2. SELECT BEDDING MATERIAL SHALL BE EXTENDED TO UNBURNED TRENCH WALLS.

3. SELECT BEDDING MATERIAL SHALL BE PROPERLY PLACED TO THE SPRING LINE OF THE PIPE FOR THE ENTIRE LENGTH.

4. SUFFICIENT BEDDING MATERIAL SHALL BE PROVIDED TO UNBURNED TRENCH WALLS.

5. BEDDING MATERIAL SHALL BE EXTENDED TO UNBURNED TRENCH WALLS.

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**MH CONNECTION DESIGN GUIDE**

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**TRIANGLE SITE DESIGN**

CONSULTANT:  
 TRIANGLE SITE DESIGN, PLLC  
 4004 BARRETT DR, STE 101  
 RALEIGH, NC 27609  
 (919) 553-6570



OWNER/DEVELOPER:  
 Hartzog Holdings, LLC  
 109 Still Wild Lane  
 Elgin, SC 29045  
 803-561-6718  
 collins@hartzogholdings.com



Starbucks  
 Cedar Creek Road  
 Fayetteville, NC  
 Cumberland County

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NO.	DATE	REVISION
1	10/2/19	REVISED NOTES AND S
2	11/05	ADDED NOTE ON LATERALS
3	05/10	REVISED LATERAL AND WATER SEPARATION

REVISIONS	
<b>FAYATVILLE</b>	<b>PUBLIC WORKS COMMISSION</b>
CEDAR CREEK ROAD SEWER EXTENSION TO SERVE STARBUCKS PLAN AND PROFILE	
DRAWN BY: MEL	DATE: 10/2/19
CHECKED BY:	SCALE: 1"=40', 1"=4'
APPROVED BY:	SHEET: C1.3A

UTILITY DETAILS  
 Sheet No. C1.3A