GENERAL NOTES

1. ALL GRAVITY LINES SHALL BE TESTED BY EITHER LOW PRESSURE AIR TESTING (CONFORMING TO ASTM C828) OR MANDREL TESTING.
2. ALL PVC LINE SHALL BE MANDREL TESTED AFTER 30 DAYS. SHOULD ANY SECTION FAIL THE MANDREL TEST, COUNTY STAFF WILL REQUIRE RETESTING OF THAT SECTION AFTER REPAIRS TO THE PIPE SECTION ARE MADE. IN ALL CASES RETESTING WILL NOT OCCUR UNTIL 48 HOURS HAVE PASSED FROM THE DATE OF THE PREVIOUS TESTING.
3. MANHOLE INVERTS AND BENCHES SHALL ALSO BE CLEAN AND FREE OF DEBRIS PRIOR TO ACCEPTANCE.
4. ALL SANITARY SEWER MAIN SHALL BE CLEANED PRIOR TO ACCEPTANCE. THE SANITARY SEWER SHALL BE FREE OF CONSTRUCTION DEBRIS, SOIL, TRASH AND ALL OTHER FOREIGN PARTICULATES.
5. THE CLEANED SANITARY SEWER MAIN SHALL BE INSPECTED BY CCTV. THE VIDEO SHALL SHOW THE LINE TO BE FREE OF SILT, FOREIGN OBJECTS, AND DEBRIS. A COPY OF THE VIDEO SHALL BE GIVEN TO DURHAM COUNTY INSPECTIONS AS A CONDITION OF ACCEPTANCE.
6. MANHOLES SHALL HAVE NO-FLO INFLOW SHIELDS.

INDUSTRIAL USERS

1. APPROVAL OF PLANS DOES NOT AUTHORIZE CONSTRUCTION OF THE PRETREATMENT SYSTEM. THE COUNTY COMPLIANCE MANAGER SHALL ISSUE AN "AUTHORIZATION TO CONSTRUCT" FOR ALL DISCHARGE COMPONENTS RELATED TO PRETREATMENT AND DISCHARGE. THESE COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO: SEDIMENT TANKS, GREASE INTERCEPTORS, FLUMES, FLOW METERS, pH NEUTRALIZATION SYSTEMS, CARBON FILTRATION, THERMOKILL/BIOKILL SYSTEMS, AND CHEMICAL INJECTION.
2. INDUSTRIES INCORPORATING RAIN HARVESTING FOR USES OTHER THAN IRRIGATION, SHALL BE REQUIRED TO GET WRITTEN COUNTY APPROVAL, PRIOR TO OPERATION OF THE SYSTEM.
3. ANY SYSTEM MODIFICATION THAT ALTERS THE QUANTITY OF DISCHARGE, CHEMICAL COMPOSITION OF DISCHARGE, OR LOCATION OF SITE DISCHARGE WILL REQUIRE COUNTY APPROVAL.

PLUG PROCEDURE

1. DURING CONSTRUCTION OF SEWER EXTENSIONS OR GRADING OF SEWER EASEMENTS, THE CONTRACTOR/OWNER WILL BE RESPONSIBLE TO INSPECT AND VERIFY THAT INFLOW WILL NOT OCCUR (I.E. MANHOLES AT SUFFICIENT GRADE SO AS NOT TO ALLOW STORM WATER AND DEBRIS TO ENTER THE SYSTEM; NO GRADING, DITCHES, OR EROSION CONTROL DEVICES CONSTRUCTED SO AS TO ALLOW STORM WATER OR DEBRIS INTO THE SYSTEM.) AS A RESULT OF CONSTRUCTION.
2. ALL AN APPROVED PLUG MUST BE INSTALLED ON THE DOWNSTREAM SIDE OF THE FIRST MANHOLE UP FORM LIVE SEWER OR A MANHOLE APPROVED BY THE UTILITY DIVISION. THE PLUG MUST BE SECURED TO THE MANHOLE STEPS OR OTHER SECURED OBJECT TO PREVENT THE PLUG FROM MOVING DUE TO HYDRAULIC FORCE. THE MANHOLE TO BE PLUGGED WILL BE DESIGNATED AT PRE-CONSTRUCTION MEETINGS.
3. THE UTILITY DIVISION WILL MONITOR THE PLUG FOR COMPLIANCE.
4. THE CONTRACTOR IS REQUIRED TO IMPLEMENT A ROUTINE SCHEDULE OF MAINTENANCE AND DOCUMENT THAT THE PLUG IS FUNCTIONING AS REQUIRED ON A DAILY BASIS. THE CONTRACTOR/OWNER MUST ENSURE THAT HE PLUG REMAINS IN PLACE UNTIL AUTHORIZED FOR REMOVAL BY THE UTILITY DIVISION.
5. ALL WATER AND DEBRIS WILL BE PUMPED OR REMOVED FROM THE MANHOLE AND SYSTEM WASHED/FLUSHED CLEAN PRIOR TO REMOVING THE PLUG. A REPRESENTATIVE FORM THE UTILITY DIVISION MUST BE PRESENT TO INSPECT THE SYSTEM DURING THIS PROCEDURE, AND PRIOR TO PLUG REMOVAL. CONTACT THE UTILITY DIVISION FOR SCHEDULING OF THIS PROCEDURE.
6. ANY DAMAGE TO THE COLLECTION SYSTEM, INCLUDING BUT NOT LIMITED TO, MANHOLES, FRAME & COVER, LINES, LIFT STATIONS, FORCE MAINS, POWER LINES, AND TELEMETRY THAT IS CAUSED BY THE CONTRACTOR, MUST BE REPORTED TO THE UTILITY DIVISION WITHIN TWO HOURS OF THE INCIDENT.

DURHAM COUNTY NORTH CAROLINA	JRP APPROVED BY: WEC DRAWN BY: DATE: 05/18/2012	STANDARD SANITARY SEWER NOTES DURHAM COUNTY, NORTH CAROLINA ENGINEERING DEPARTMENT	SCALE: NTS DETAIL NO. DUCO - 018