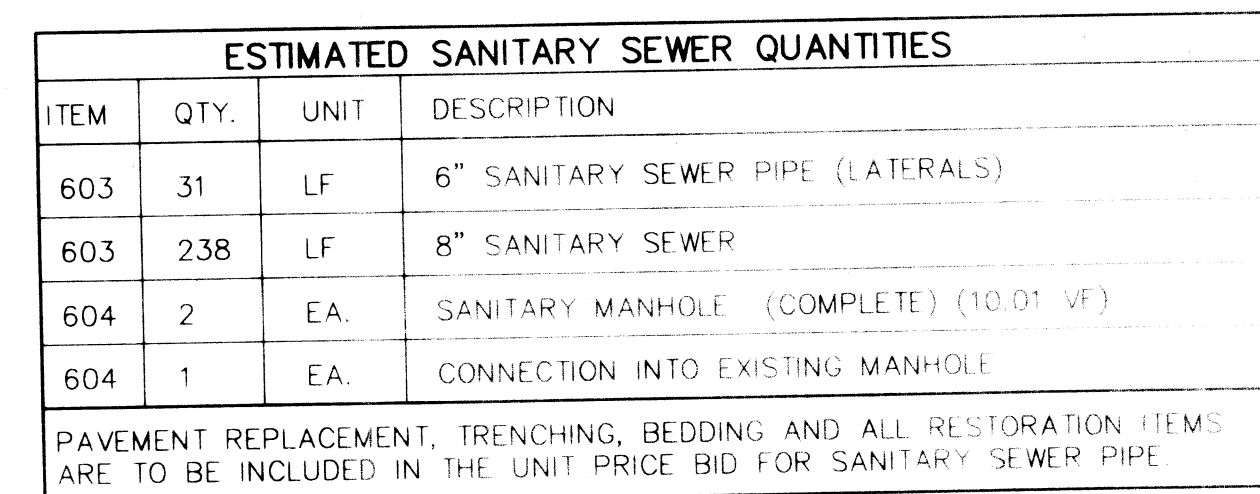


() DENOTES AS-BUILT DIMENSIONS CONTAINED IN
FIELD BOOK PAGE

I HEREBY CERTIFY THAT THESE IMPROVEMENTS HAVE BEEN COMPLETED
AS INDICATED BY THE "AS-BUILT" DIMENSIONS SHOWN ON THESE
PLANS

THIS _____ DAY OF _____ 200__

BRYAN J. ASHMAN : REG. ENGR. No. E-043804



1. ALL SANITARY SEWER APPURTEANCES SHALL BE CONSTRUCTED ACCORDING TO MASSILLON CITY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.
2. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED
3. MINIMUM COVER OVER ALL SANITARY SEWERS MUST BE 4.0 FEET.
4. ALL SANITARY SEWERS 8" DIAMETER AND LARGER, MUST PASS INTERNAL TELEVISION INSPECTION. THE CONTRACTOR SHALL PROVIDE COMPLETE INTERNAL INSPECTION VIDEO TAPE TO THE SANITARY ENGINEERING DEPARTMENT. THE VIDEO TAPING PROCEDURE MUST BE IN ACCORDANCE WITH CITY OF MASSILLON SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS
5. PRIOR OR THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF MASSILLON ENGINEERING DEPT., (330-630-1722) TO SCHEDULE A PRE-CONSTRUCTION MEETING. A MINIMUM OF 5 DAYS NOTICE IS REQUIRED TO SCHEDULE THIS MEETING.
6. SANITARY SEWER MANHOLES SHALL BE CONSTRUCTED USING THE FOLLOWING MATERIALS. THE CONTRACTOR SHALL INFORM THE MATERIALS DIVISION OF ANY CHANGES TO THE MATERIALS LISTED BELOW.
A. VENTILATION PIPES SHALL BE 4" DIA. WITH SCH. 40 BLACK STEEL. THE PIPES SHALL BE INSTALLED WITH A 90° ELBOW AT THE TOP OF THE MANHOLE.
B. ALL MANHOLES SHALL BE 4' DIA. WITH SCH. 40 BLACK STEEL. THE MANHOLES SHALL BE INSTALLED WITH A 90° ELBOW AT THE TOP OF THE MANHOLE.
C. ALL MANHOLES SHALL BE 4' DIA. WITH SCH. 40 BLACK STEEL. THE MANHOLES SHALL BE INSTALLED WITH A 90° ELBOW AT THE TOP OF THE MANHOLE.
7. THE CONTRACTOR SHALL CORE DRILL THE EXISTING SANITARY MANHOLE (S4) AT THE LOCATION DESIGNATED ON THESE PLANS, INSTALL A FLEXIBLE BUTYLENE RESIN CONNECTOR THAT CONFORMS TO ASTM C923, SEAL THE CONNECTION WITH A NON-SHRINK MORTAR, AND CONSTRUCT A FORMED INSERT TO PROMOTE FLOW TO THE WEST THROUGH THE MANHOLE AND INSTALL A BULKHEAD ON THE EAST SIDE OF THE PROPOSED SEWER UNTIL SUCH TIME THE PROPOSED SANITARY SEWER HAS BEEN TESTED AND APPROVED BY THE MASSILLION CITY ENGINEER, AT WHICH TIME THE BULKHEAD SHALL BE REMOVED. ALL ITEMS DESCRIBED ABOVE SHALL BE COVERED IN THE CONTRACTORS BID PRICE TO CONNECT INTO THE EXISTING SEWER.
8. MANHOLE AND TRENCHES SHALL BE PER MASSILLON DETAILS DRAWINGS.
9. THE SANITARY SEWER SHALL MAINTAIN A MINIMUM OF 18" VERTICAL CLEARANCE & 10' HORIZONTAL CLEARANCE WITH THE WATERLINE AND A MINIMUM OF 12" VERTICAL CLEARANCE WITH THE STORM SEWER.
10. A DEFLECTION TEST SHALL BE REQUIRED FOR ALL FLEXIBLE PIPE OF 8-INCH DIAMETER AND LARGER. THE TEST SHALL BE CONDUCTED AT LEAST 30 DAYS AFTER COMPLETION OF BACKFILL AND SHALL BE IN ACCORDANCE WITH THE CITY OF MASSILLON SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS. THE ALLOWABLE DEFLECTION RATE SHALL NOT EXCEED FIVE (5%) PERCENT TESTING SHALL BE IN ACCORDANCE WITH A.S.T.M. D-3034.
11. ALL SANITARY SEWERS MUST PASS A LOW PRESSURE AIR TEST, WHICH SHALL BE CONDUCTED IN ACCORDANCE WITH CITY OF MASSILLON SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS. THE MAXIMUM ALLOWABLE TEST LEAKAGE SHALL BE 100 GAL./INCH OF DIAMETER/MILE/DAY.
12. MANHOLE CONSTRUCTION SHALL MEET THE REQUIREMENTS OF A.S.T.M. C-478 AND C-443. ALL MANHOLES SHALL BE AIR/VACUUM TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF A.S.T.M. C1244.
13. IF THE 6" SANITARY LATERAL SYSTEM THAT IS FLOWING INTO THE EXISTING SANITARY MANHOLE (S4) (FLOW LINE SOUTH) IS EXISTING, THE CONTRACTOR SHALL REMOVE THE 6" SEWER FROM THE EXISTING MANHOLE TO THE PROPOSED MANHOLE (SS) AND TIE THE EXISTING 6" SEWER INTO THE PROPOSED MANHOLE. IF THE 6" LATERAL SYSTEM IS ACTIVE, THE CONTRACTOR SHALL INTERCEPT THE FLOW AND PUMP INTO THE EXISTING SANITARY MANHOLE (S4) UNTIL THE PROPOSED SEWER IS COMPLETE, TESTED AND APPROVED BY THE MASSILLION CITY ENGINEER. AT THAT TIME THE CONTRACTOR SHALL TIE THE EXISTING 6" SEWER INTO THE PROPOSED MANHOLE (SS). THE ABOVE MENTIONED WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE SANITARY MANHOLES.
14. SANITARY SEWER SERVICE LATERALS SHALL BE 6" DIAMETER AND BE LAID AT NO LESS THAN 1.0% GRADE.
15. IF THE 6" SANITARY LATERAL SYSTEM JUST NORTH OF CONDO 10 IS EXISTING, THE CONTRACTOR SHALL REMOVE THE CLEAN OUT LOCATED AT THE EAST END OF THE LINE, ABANDON THE 6" SEWER AND TIE THE SANITARY SERVICES FOR THE NORTH SIDE OF CONDO 10 AND THE SOUTH SIDE OF CONDO 9 INTO THE PROPOSED 8" SEWER WITH AN 8"x6" WYE. THE ABOVE MENTIONED WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE 8" SANITARY SEWER.
16. AS-BUILT DRAWINGS ARE REQUIRED AND SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT UPON COMPLETION OF THE PROJECT.

UTILITY LOCATION NOTE

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER AND GAS LINES, ETC., TOGETHER WITH INFORMATIONAL DATA OBTAINED FROM PLANS AND RECORDS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL O.U.P.s AT 1-800-362-2764

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

SANITARY SEWER EXTENSION

DRAWN BY: M.J.S.
CHECKED BY: B.D.B.
FIELD BOOK No. _____
DATE 03/19/2004

SHEET
1 OF 1

PROJ.# 01138

