



Rules and Regulations
Sanitary Sewer Lateral Installation
Barberton, Ohio

Applications for new sanitary sewer laterals shall be submitted to the Barberton Building Department along with the City of Barberton System Development Charge prior to scheduling the installation of any piping. There is also a \$30 sanitary sewer lateral permit fee to be submitted at the time the application is filed. The permit fee covers the cost of the sanitary lateral inspection.

The permit application shall be filed 15 days prior to the lateral installation to allow for the required stormwater cross connection inspections that are necessary before the new lateral is connected to the sanitary system. The stormwater inspection may include the use of dye testing, internal sewer televising, smoke testing, or any alternate method to determine the discharge point for the existing downspouts, sump pumps, footer drains, or any other suspect point of entry of stormwater on the property. This inspection and approval is required before excavation for the lateral begins. If evidence of a stormwater cross connection is found during the initial inspection, the stormwater connection must be removed by the Homeowner before excavation for the new sanitary lateral is permitted to commence.

Once the residence has been inspected and is approved, the Homeowner is responsible to contact the City of Barberton Building Department a minimum of 48 hours in advance of the excavation for the new lateral. Lateral inspections will be performed Monday through Friday between 9am and 3 pm. If an inspection is requested outside of these times it will be subject to the availability of inspection staff and there will be an overtime charge applied based on the excess time and material costs accrued by the City.

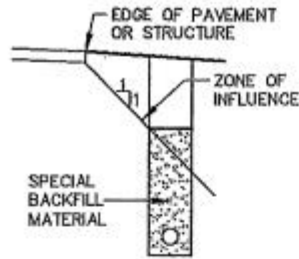
The following specifications shall apply to the installation of the new lateral:

1. No backfill shall be placed prior to the inspection by the City of Barberton
2. The pipe bedding shall be a minimum of 6 inches of #57 limestone
3. The pipe shall be 6 inch SDR 35 PVC, with gasketed joints
4. Grade shall be a minimum of 1% away from the residence
5. The pipe shall be laid straight and true to the main
6. There shall be a maximum of 180 degrees of bends in the pipe between the residence and the main
7. There shall be a clean out placed at each 90 ft. interval - measured from the house
8. There shall be a clean out directed toward the sewer main and placed at the street right-of-way line

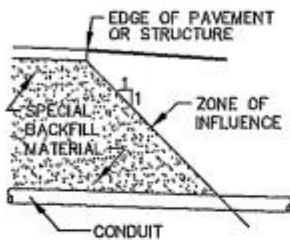
The City of Barberton sanitary sewer lateral application and permit does not include the permitting, inspection, or required approval for the abandonment of septic tank systems.

The fees required prior to issuing a Sanitary Lateral Connection permit are as follows:

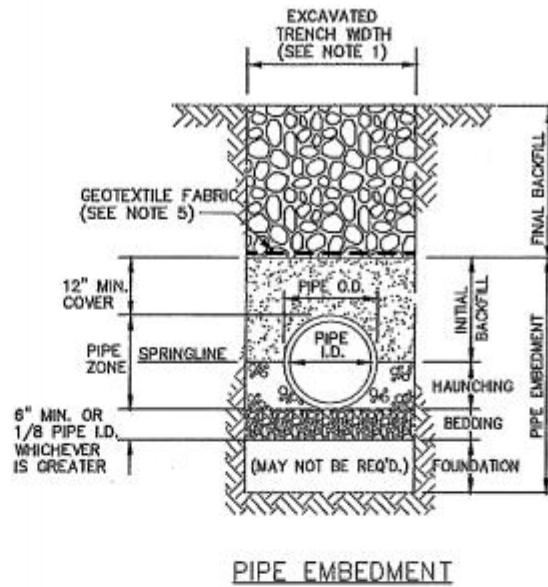
1. City of Barberton Tap-in fee \$1,600.00 (\$800.00 if installed within 6 months)
2. City of Barberton Lateral Inspection fee \$ 30.00
3. Copy of Summit County Health Dept. application for septic system abandonment \$90.00



PARALLEL ZONE OF INFLUENCE



TRANSVERSE ZONE OF INFLUENCE



NOTES:

1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.
2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
3. PIPE EMBEDMENT:
THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.
5. GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
6. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

NOTE 1: THIS DETAIL IS VALID ONLY WHEN USED AS PRESENTED HERE, WITHOUT CHANGES AND IN CONJUNCTION WITH ANY GENERAL NOTES AND/OR OTHER DETAILS WHICH MAY APPLY. ANY CHANGES TO THIS DETAIL SHALL FIRST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER.

NOTE 2: BEFORE ANY EXCAVATING, CALL THE FOLLOWING NUMBERS AT LEAST 48 HOURS IN ADVANCE: D.U.P.S. @ (800) 362-2764 AND O.G.P.U.P.S. @ (800) 925-0968.

City of Barberton
676 West Park Avenue, Barberton, Ohio 44203
Phone: (330) 848-8724

NO.	DATE	REVISION	NO.	DATE	REVISION

**STANDARD DESIGNS
MISCELLANEOUS
UTILITY TRENCH DETAIL**

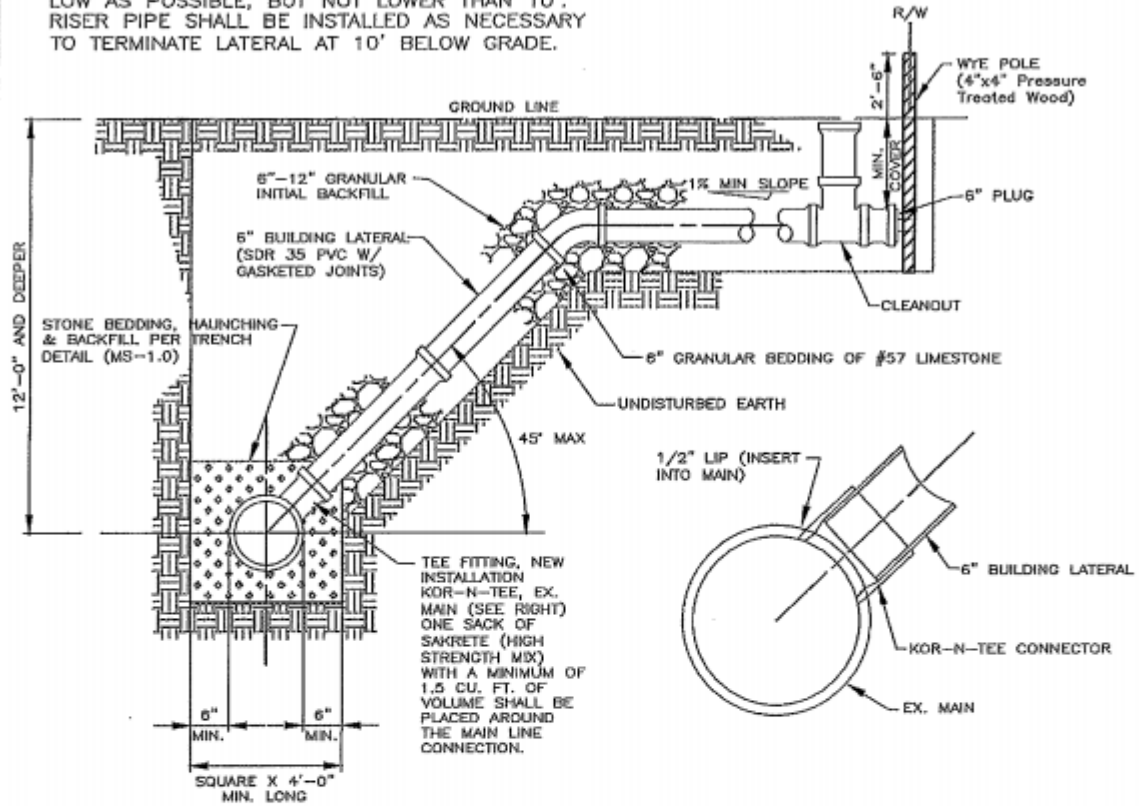
CAD FILE: SS-1-1.DWG			
DRAWN BY: BK	APPROV BY: TC	ISSUE DATE: 8/28/17	SCALE: NONE

MS-1.0

C:\USERS\VELLA\BENTON\WORKSPACE\REVISED\SS-1-1.DWG - 8/28/2017 1:22:48 PM - KCL

LATERAL TERMINATION NOTE:

LATERAL SHALL TERMINATE 6" FROM THE RIGHT OF WAY LINE UNLESS SHOWN OTHERWISE ON THE DRAWINGS. TERMINATION DEPTH SHALL BE AS LOW AS POSSIBLE, BUT NOT LOWER THAN 10'. RISER PIPE SHALL BE INSTALLED AS NECESSARY TO TERMINATE LATERAL AT 10' BELOW GRADE.



NOTES:

- HOLES IN EXISTING MAINS FOR INSTALLATION OF TEES SHALL BE CORE DRILLED USING HOLESAWS OR CORING MACHINES TO ENSURE A CLEAN, ROUND, SMOOTH HOLE.
- THE TEST TEE RISER SECTION SHALL BE INSTALLED WHEN THE CONNECTION IS EXTENDED TO THE BUILDING
- THE TEST PLUG SHALL BE YELLOW IN COLOR AND JOINED BY MEANS OF AN INTEGRAL BELL WITH A ELASTOMERIC GASKET JOINT AND BE APPROVED BY THE ENGINEER.
- A PIECE OF FERROUS MATERIAL HAVING A VOLUME OF 1.5 CUBIC INCHES SHALL BE PLACED OVER THE TOP OF THE TEST PLUG AND BACKFILLED WITH 6" TO 12" OF TOPSOIL. ANY TEST PLUG LOCATED IN A PAVED AREA SHALL BE APPROVED BY THE CITY ENGINEER BEFORE CONSTRUCTION IS TO BEGIN.

NOTE 1: THIS DETAIL IS VALID ONLY WHEN USED AS PRESENTED HERE, WITHOUT CHANGES AND IN CONJUNCTION WITH ANY GENERAL NOTES AND/OR OTHER DETAILS WHICH MAY APPLY. ANY CHANGES TO THIS DETAIL SHALL FIRST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER.

NOTE 2: BEFORE ANY EXCAVATING, CALL THE FOLLOWING NUMBERS AT LEAST 48 HOURS IN ADVANCE: O.U.P.S. @ (800) 362-2764 AND O.G.P.U.P.S. @ (800) 925-0988.

City of Barberton
 576 West Park Avenue, Barberton, Ohio 44203
 Phone: (330) 848-6724

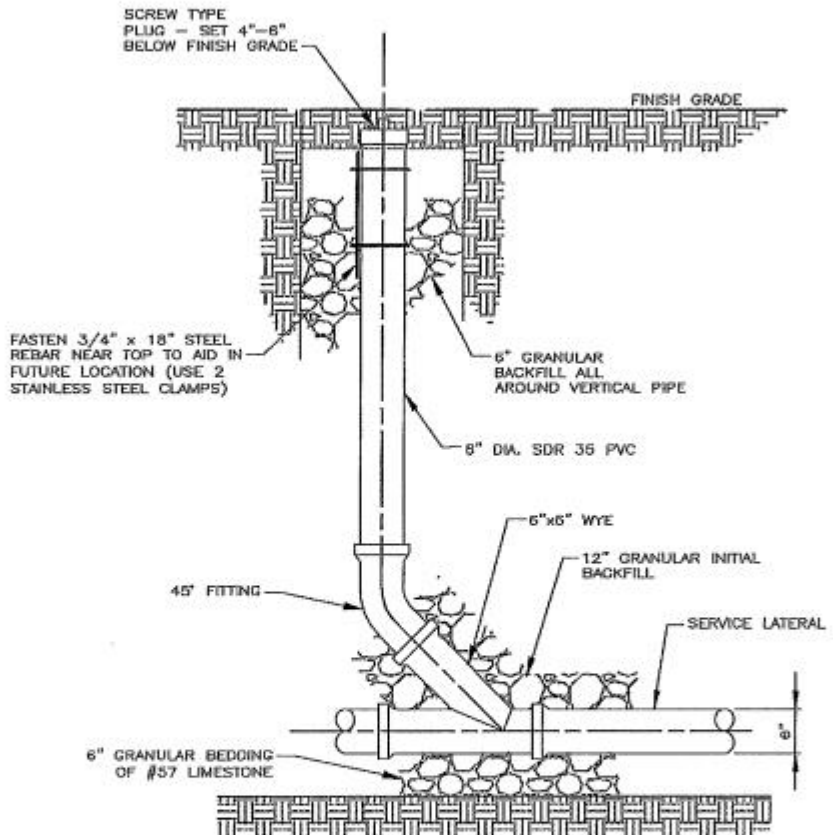
**STANDARD DESIGNS
 SANITARY SEWER
 STANDARD LATERAL CONNECTION**

NO.	DATE	REVISION	NO.	DATE	REVISION

CD FILE:
 SS-1-LONG
 DRAWN BY: BK APPROV BY: IC ISSUE DATE: 8/28/17 SCALE: NONE

SS-1.0

C:\USERS\KELLER\DESIGN\BARBERTON - 8/28/2017 8:14:48 AM - HSL



D:\WORK\WELL\CONSTRUCTION\STANDARD DESIGNS\SS-6.0.dwg - 8/28/2017 4:55:46 PM - WELL

NOTE 1: THIS DETAIL IS VALID ONLY WHEN USED AS PRESENTED HERE, WITHOUT CHANGES AND IN CONJUNCTION WITH ANY GENERAL NOTES AND/OR OTHER DETAILS WHICH MAY APPLY. ANY CHANGES TO THIS DETAIL SHALL FIRST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER.
NOTE 2: BEFORE ANY EXCAVATING, CALL THE FOLLOWING NUMBERS AT LEAST 48 HOURS IN ADVANCE: O.U.P.S. ☎ (800) 362-2784 AND O.G.P./U.P.S. ☎ (800) 925-0988.

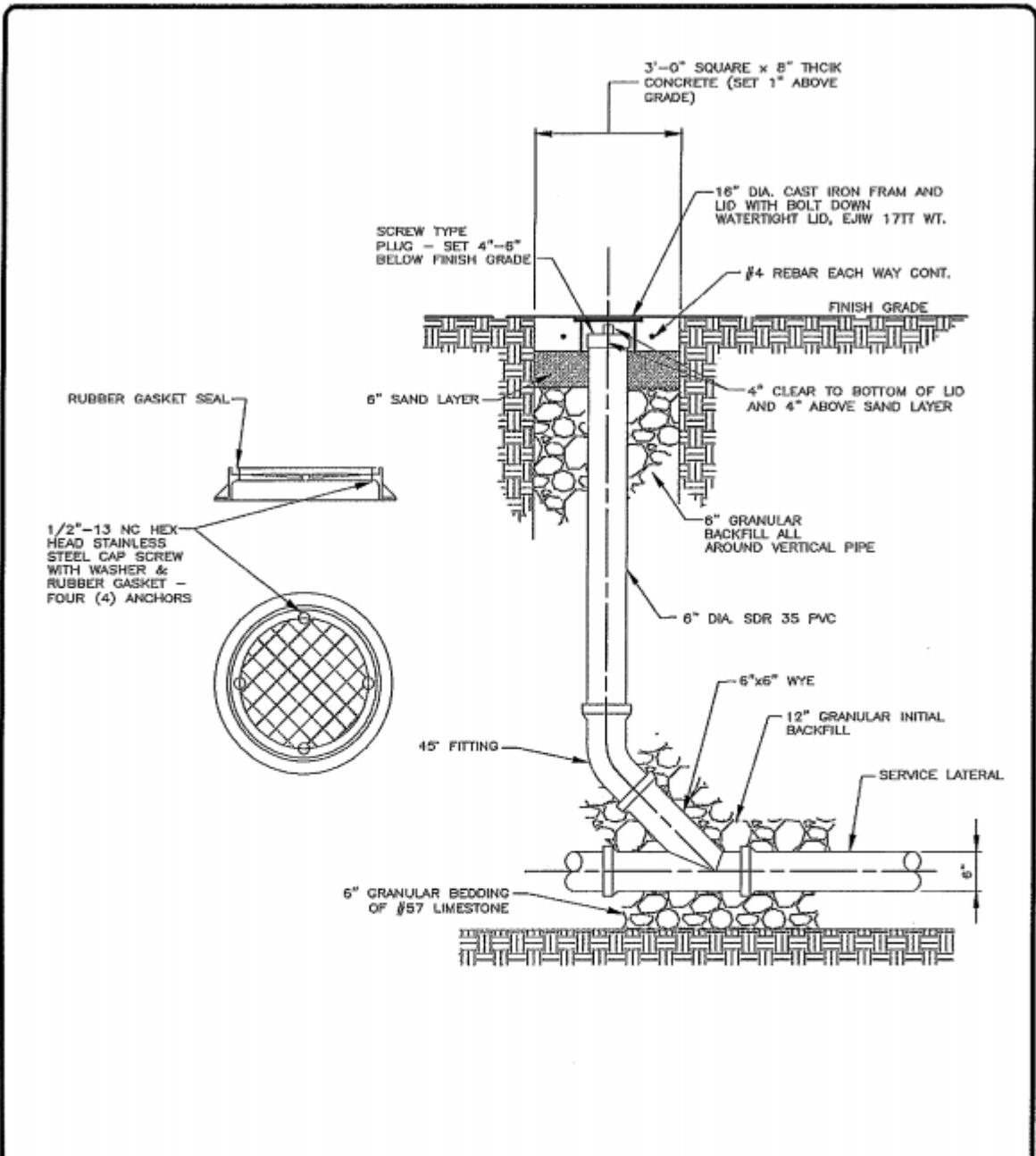
City of Barberton
 576 West Park Avenue, Barberton, Ohio 44203
 Phone: (330) 848-6724

NO.	DATE	REVISION	NO.	DATE	REVISION

STANDARD DESIGNS
SANITARY SEWER
CLEANOUT DETAIL - IN GRASS

CAD FILE:
 SS-1-1.DWG
 DRAWN BY: BK APPROVED BY: TC ISSUE DATE: 8/28/17 SCALE: NONE

SS-6.0



C:\DESIGN\WELL\BARBERTON\BARBERTON_DETALS\SS-7.0.DWG - 8/28/2017 3:58:08 PM - RDL

NOTE 1: THIS DETAIL IS VALID ONLY WHEN USED AS PRESENTED HERE, WITHOUT CHANGES AND IN CONJUNCTION WITH ANY GENERAL NOTES AND/OR OTHER DETAILS WHICH MAY APPLY. ANY CHANGES TO THIS DETAIL SHALL FIRST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER.
NOTE 2: BEFORE ANY EXCAVATING, CALL THE FOLLOWING NUMBERS AT LEAST 48 HOURS IN ADVANCE: O.U.P.S. @ (800) 362-2784 AND O.G.P.A.P.S. @ (800) 925-0988.

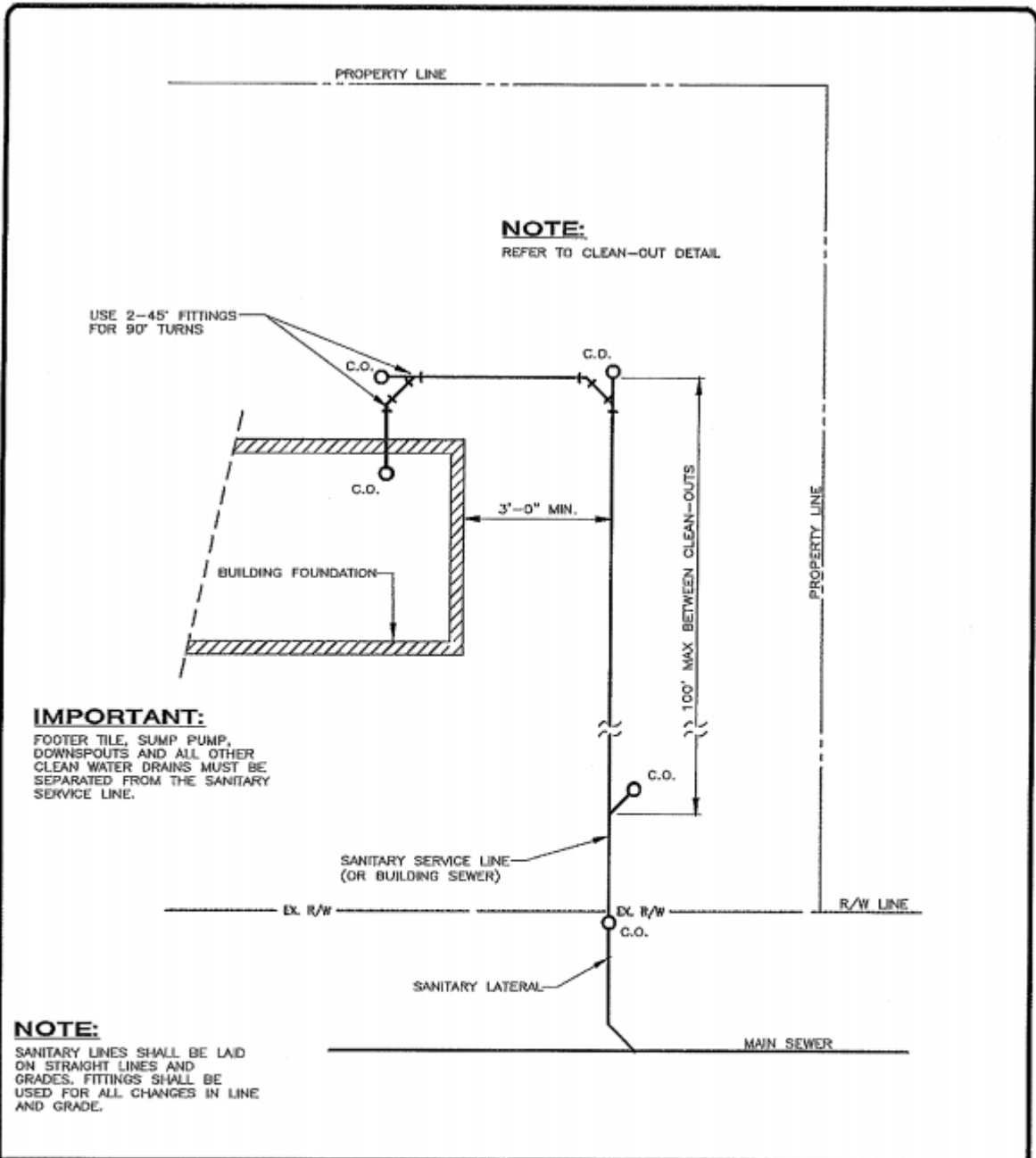
City of Barberton
 576 West Park Avenue, Barberton, Ohio 44203
 Phone: (330) 848-6724

NO.	DATE	REVISION	NO.	DATE	REVISION

STANDARD DESIGNS
SANITARY SEWER
CLEANOUT DETAIL - IN PAVEMENT

CAD FILE:
 SS-1-1.DWG
 DRAWN BY: BK APPROVED BY: TC ISSUE DATE: 8/28/17 SCALE: NONE

SS-7.0



C:\Users\jcollins\Desktop\BARBERTON DETAIL\SS-8.0.DWG - 8/28/17 8:31:46 AM - NELL

NOTE 1: THIS DETAIL IS VALID ONLY WHEN USED AS PRESENTED HERE, WITHOUT CHANGES, AND IN CONJUNCTION WITH ANY GENERAL NOTES AND/OR OTHER DETAILS WHICH MAY APPLY. ANY CHANGES TO THIS DETAIL SHALL FIRST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER.

NOTE 2: BEFORE ANY EXCAVATING, CALL THE FOLLOWING NUMBERS AT LEAST 48 HOURS IN ADVANCE: O.U.P.S. @ (800) 362-2764 AND O.G.P.U.P.S. @ (800) 925-0988.

City of Barberton
576 West Park Avenue, Barberton, Ohio 44208
Phone: (330) 848-6724

NO.	DATE	REVISION	NO.	DATE	REVISION

**STANDARD DESIGNS
SANITARY SEWER
TYPICAL LATERAL PLAN**

DWG FILE: SS-1-1.DWG			
DRAWN BY: BK	APPROV BY: TC	ISSUE DATE: 8/28/17	SCALE: NONE

SS-8.0