

*City of Alexandria, Virginia*

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**MEMORANDUM TO INDUSTRY NO. 01-11**

DATE: FEBRUARY 18, 2011

TO: HOMEOWNERS, CONTRACTORS, DEVELOPERS AND DESIGN PROFESSIONALS

FROM: EMILY A. BAKER, P.E., CITY ENGINEER *EAB*  
TRANSPORTATION & ENVIRONMENTAL SERVICES

SUBJECT: SANITARY SEWER LATERAL CONNECTIONS AND PERMITTING

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Effective immediately, a Sanitary Sewer Lateral Connection Permit shall be required from the Department of Transportation & Environmental Services to connect sanitary sewer laterals to the City's sanitary sewer mains. This permit will cover both the lateral connection and any associated excavation within the public right-of-way, a separate excavation permit will not be required. The current excavation permit fee of \$200 will be applied, there will be no additional permit fee for the lateral connection. Any other applicable permits, such as lane or sidewalk closures and reserved parking, will still be required with the applicable fees. The permits may be obtained from the Transportation & Environmental Services Permit Office located in Room 4130 of City Hall, 301 King Street, Alexandria, VA 22314.

In addition, the City's Sanitary Sewer Lateral Connection detail CSLC-1 is hereby replaced with CSLC-1A and CSLC-1B details attached to this Memorandum to Industry. In accordance with these details, the sanitary sewer laterals shall be connected to the existing sanitary sewers through a manufactured "Y" or "T" or an approved sewer saddle as specified in these standards.

All installations of sanitary sewer lateral connections must be inspected by a T&ES inspector prior to backfilling.

All new installations and/or reinstallations of sanitary sewer laterals both on public and private properties and in the public right of way in the City of Alexandria shall be provided with 3" and 6" wide 5 mil overall thickness Detectable Underground Warning Tapes (DUWT) per the requirements of Memorandum to Industry 02-09 dated December 3, 2009.

If you have any questions or require additional information, please contact Dr. S.P. Singh, P.E. at 703-746-4062 or the Construction & Inspection office at 703-746-4035.

Attachments: 1. Permit Application for Sanitary Sewer Lateral Connection  
2. Sanitary Sewer Lateral Connection Details: CSLC-1A and CSLC-1B

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## ATTACHMENTS



APPLICATION FOR SANITARY SEWER LATERAL CONNECTION

CITY OF ALEXANDRIA, VIRGINIA
TRANSPORTATION & ENVIRONMENTAL SERVICES
301 KING STREET, ROOM 4130
ALEXANDRIA, VA 22314
703-746-4035 (office); 703-838-6438 (fax)
alexandriava.gov

Job Address:
Contractor:
Mailing Address:
Applicant Name: Email:
Office Telephone Number: Cell #:

Utility Company:
Mailing Address:
Utility Company Contact Person:
Field Supervisor/Foreman: Telephone #:
Cell #: Email:

- Type of Excavation: Sidewalk, Concrete, Brick, Utility/Grass Strip, Driveway Apron, Concrete, Brick, Street, Median, Concrete, Brick

Size of Excavation: Length Width
Size of Sanitary Sewer Tap: in.
Invert Depth at Connection: ft.
Distance From The Nearest Manhole: ft.

Description of Work:

Work Area to Include: Lane Closure; Street Closure; Sidewalk Closure; Parking Spaces: Total No.

Begin Date: End Date:
Requested Work Hours:

Applicant Must Provide: Sketch showing work to be performed and a maintenance of traffic (MOT) plan. The MOT must be in compliance with the current version of the Virginia Work Area Protection Manual. (Note: Incomplete applications cannot be processed and will be returned.)

ALL DRAWINGS MUST BE A MINIMUM SIZE OF 8-1/2" X 11" AND MUST BE LEGIBLE, AND CONTAIN ALL REQUIRED INFORMATION. THREE (3) COPIES OF EACH DRAWING IS REQUIRED.

THE APPLICANT IS SOLELY RESPONSIBLE TO ADHERE TO ALL CONDITIONS ASSOCIATED WITH THIS PERMIT.

Applicant Signature: Date:

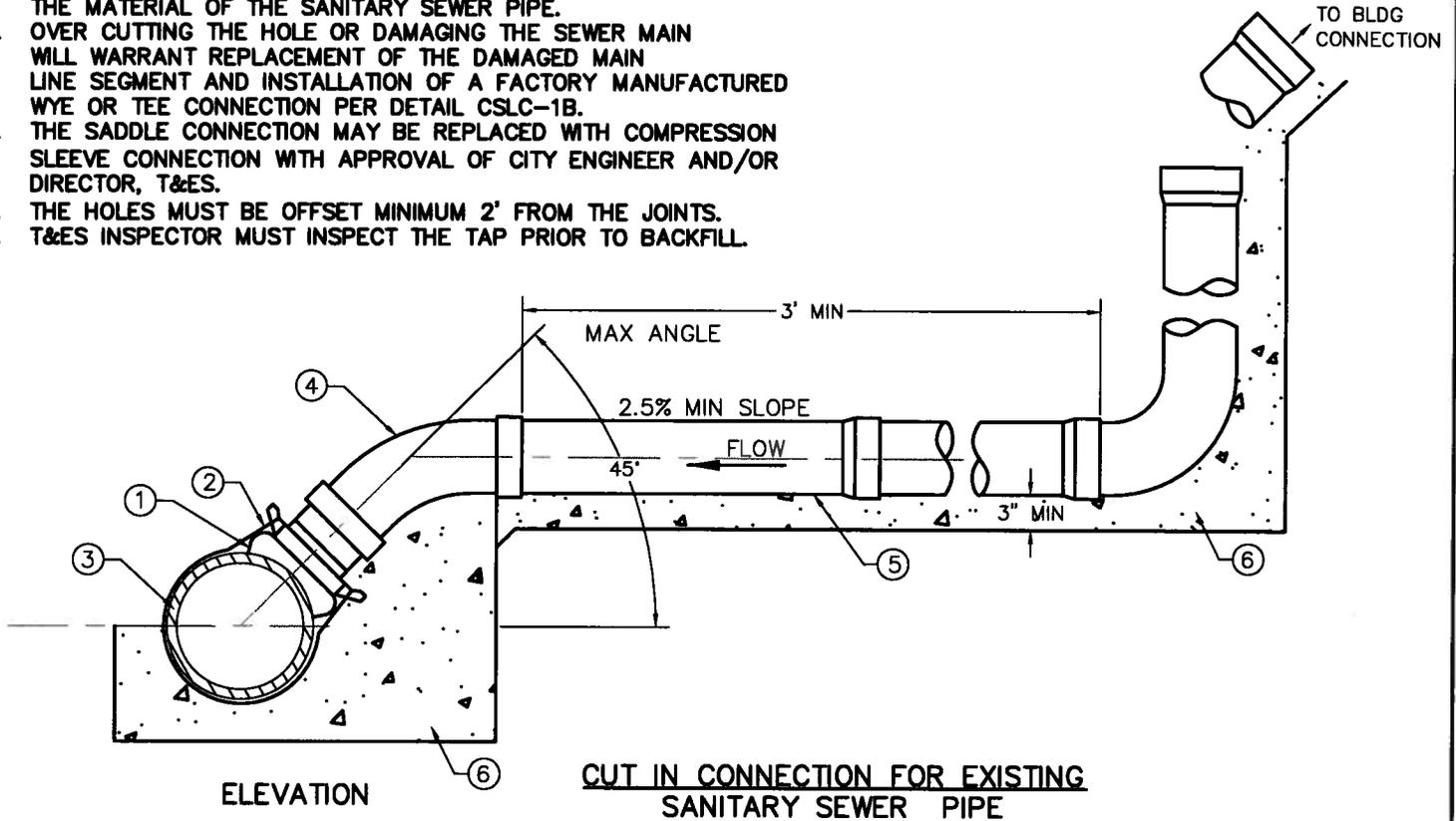
FOR OFFICE USE ONLY

Permit Number: Previous Permit Number:
Insurance Expiration Date: Bond Required: Yes; No; Amount:
Tap Fee Required: Yes; No; Tap Fee Paid: Yes; No

**NOTES:**

1. CONNECTION TO A PUBLIC SANITARY SEWER SHALL REQUIRE A SEWER LATERAL CONNECTION PERMIT FROM THE DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES (T&ES). IF THE SANITARY SEWER IS LOCATED WITHIN THE PUBLIC RIGHT OF WAY AN EXCAVATION PERMIT SHALL ALSO BE REQUIRED.
2. THE CONNECTION SHALL BE MADE PER THE RECOMMENDATIONS OF THE MANUFACTURER, AND IN THE PRESENCE OR WITH THE APPROVAL OF THE T&ES, CONSTRUCTION AND INSPECTION (C&I) INSPECTOR.
3. THE SADDLE SHALL PROPERLY MATCH THE SANITARY SEWER MAIN PIPE.
4. THE CUT ON THE EXISTING PIPE MUST BE NO LARGER THAN NECESSARY TO INSTALL SADDLE.
5. ROUGH EDGES LEFT BY SAW CUT OR CORING SHALL BE SMOOTHED WITH A FILE OR SAND PAPER DEPENDING UPON THE MATERIAL OF THE SANITARY SEWER PIPE.
6. OVER CUTTING THE HOLE OR DAMAGING THE SEWER MAIN WILL WARRANT REPLACEMENT OF THE DAMAGED MAIN LINE SEGMENT AND INSTALLATION OF A FACTORY MANUFACTURED WYE OR TEE CONNECTION PER DETAIL CSLC-1B.
7. THE SADDLE CONNECTION MAY BE REPLACED WITH COMPRESSION SLEEVE CONNECTION WITH APPROVAL OF CITY ENGINEER AND/OR DIRECTOR, T&ES.
8. THE HOLES MUST BE OFFSET MINIMUM 2' FROM THE JOINTS.
9. T&ES INSPECTOR MUST INSPECT THE TAP PRIOR TO BACKFILL.

Pipe Type	Pipe Cutting Method	Connection Type	Applicable Detail
Transite	Transite Pipe Cutter	Romac CB Sewer Saddle or approved equal	CSLC-1A
Concrete	Coring	Romac CB Sewer Saddle or approved equal	CSLC-1A
Cast Iron/Ductile Iron	Tapping Machine	Romac CB Sewer Saddle or approved equal	CSLC-1A
Vitrified Clay Pipe (VCP)	Saw Cut	Manufactured Y or T connection	CSLC-1B
Brick	Special design		
Non-circular pipe			
Other Material			



**NOTE:**

- 1) ROMAC CB SEWER SADDLE OR CITY APPROVED EQUAL
- 2) ROMAC CB STRAPS 304 STAINLESS STEEL
- 3) EXISTING SEWER MAIN
- 4) 45° ELBOW/ BEND
- 5) PVC LATERAL SDR 26 OR SCHEDULE 40
- 6) CLASS "A3" CONCRETE CRADLE TO JOINT

CONCRETE CRADLE TO BE USED IF COVER IS LESS THAN 5 FEET OR MORE THAN 12 FEET. CRADLE TO BE POURED TO SPRING LINE OF PIPE AND TO SUPPORT THE SANITARY LATERAL. IF COVER IS 2 FEET OR LESS, PIPE IS TO BE ENCASED IN CONFORMANCE WITH CSSE-1.

**SANITARY SEWER LATERAL CONNECTION**

12/03/2010

REVISION DATE

*[Signature]*  
 12/03/2010  
 APPROVED DATE

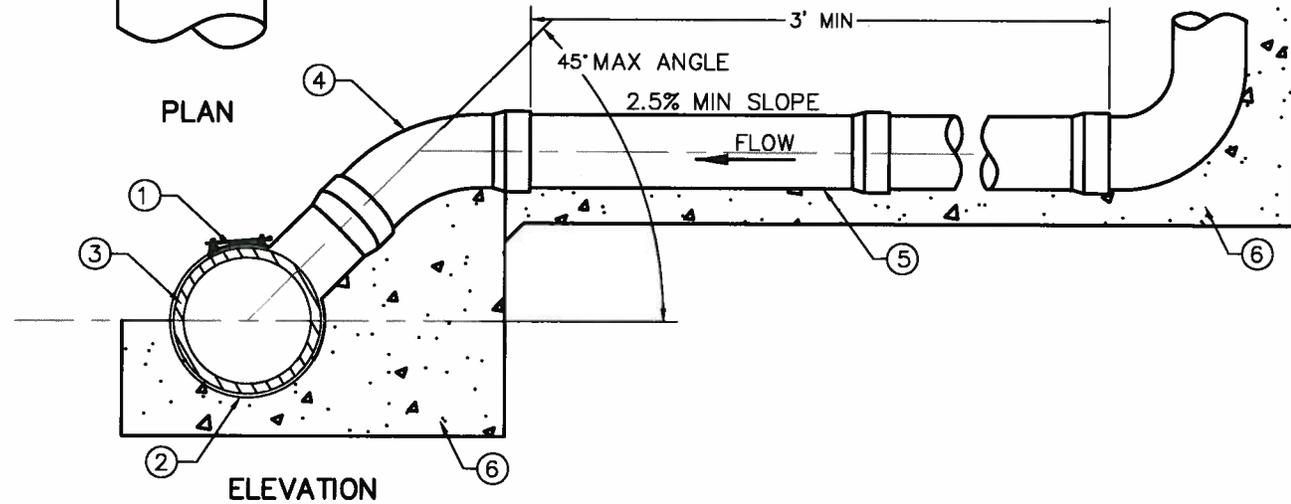
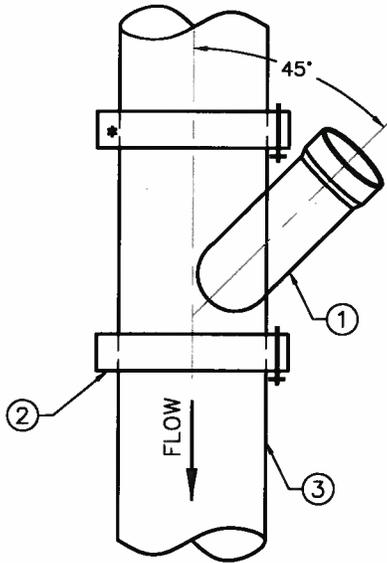
TRANSPORTATION & ENVIRONMENTAL SERVICES DEPARTMENT  
 ALEXANDRIA VIRGINIA

CSLC-1A

\* EACH JOINT SPACE/ BETWEEN THE EXISTING PIPE AND THE INSERTED SECTION SHALL NOT EXCEED ONE (1) INCH.

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2. THE CONNECTION SHALL BE MADE PER THE RECOMMENDATIONS OF THE MANUFACTURER, AND IN THE PRESENCE OR WITH THE APPROVAL OF T&ES, CONSTRUCTION AND INSPECTION (C&I) INSPECTOR.
3. THE MANUFACTURED WYE OR TEE CONNECTION SHALL BE INSTALLED BY CUTTING OUT A SECTION OF VCP SEWER MAIN, MAINTAINING SQUARE ENDS, AND INSERTING THE MANUFACTURED WYE OR TEE SECTION. THE JOINTS ON BOTH SIDES SHALL BE SEALED USING HYMAX COUPLERS OR HYMAX FLANGED ADAPTERS OR CITY APPROVED EQUAL.
4. T&ES INSPECTOR MUST INSPECT THE CONNECTION PRIOR TO BACKFILL.



TO BLDG CONNECTION

**MANUFACTURED WYE OR TEE CONNECTION FOR EXISTING VITRIFIED CLAY PIPE (VCP) OR REPLACING ENTIRE SECTION OF OTHER MATERIALS PIPES**

**NOTE:**

- 1) STANDARD MANUFACTURED WYE OR TEE SECTION
- 2) HYMAX COUPLER OR FLANGED ADAPTERS OR CITY APPROVED EQUAL
- 3) EXISTING SANITARY SEWER
- 4) 45° ELBOW/ BEND
- 5) PVC LATERAL SDR 26 OR SCHEDULE 40
- 6) CLASS "A3" CONCRETE CRADLE TO JOINT

CONCRETE CRADLE TO BE USED IF COVER IS LESS THAN 5 FEET OR MORE THAN 12 FEET. CRADLE TO BE POURED TO SPRING LINE OF PIPE. IF COVER IS 2 FEET OR LESS, PIPE IS TO BE ENCASED IN CONFORMANCE WITH CSSE-1.

Pipe Type	Pipe Cutting Method	Connection Type	Applicable Detail
Transite	Transite Pipe Cutter	Romac CB Sewer Saddle or approved equal	CSLC-1A
Concrete	Coring	Romac CB Sewer Saddle or approved equal	CSLC-1A
Cast Iron/ Ductile Iron	Tapping Machine	Romac CB Sewer Saddle or approved equal	CSLC-1A
Vitrified Clay Pipe (VCP)	Saw Cut	Manufactured Y or T connection	CSLC-1B
Brick		Special design	
Non-circular pipe		Special design	
Other Material		Special design	

**SANITARY SEWER LATERAL CONNECTION**

12/03/2010

REVISION DATE

TRANSPORTATION & ENVIRONMENTAL SERVICES DEPARTMENT

CSLC-1B

APPROVED

12/03/2010

DATE

ALEXANDRIA

VIRGINIA

PAGE 14A