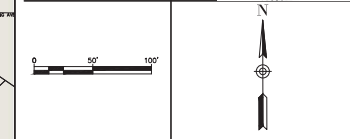


**CONSTRUCTION NOTES:**

1. General sequence of work shall be excavated repairs, new manhole installation, cured-in-place manhole lining, cured-in-place lateral lining, manhole rehabilitation. All lateral replacements will be performed simultaneous to mainline replacement. All service lateral replacement or rehabilitation using CIPPL connected to cured-in-place manholes shall not be performed until after the waiting period specified in the Specifications.
2. Unless detours are in place, maintain at least one-lane of traffic and access to all streets, commercial facilities, healthcare facilities and private residences by emergency vehicles, commercial deliveries, trash pick-up and school buses.
3. Restrict construction activities to the limits of the public-right-of-way or the easements shown on the drawings.
4. All initial and final pavement, curb and gutter repair shall be restored in accordance with City of Roanoke Excavation and Restoration Standards, Section 5.
5. Replacement of all service laterals shown to be connected to the rehabilitated sewer main (CIPPL) shall be connected to the rehabilitated sewer main using an insert tee or wye. All new lateral piping and cleanout assemblies shall be constructed of 4 or 6-inch SDR 35 PVC to match existing pipe diameter and constructed in accordance with the Details.
6. All service laterals shown to be connected to new piping, shall be connected to the new piping using Tee or Wye fittings to match existing service lateral configuration. All new lateral piping and cleanout assemblies shall be constructed of 4 or 6-inch SDR 35 PVC to match existing pipe diameter and constructed in accordance with the Details.
7. All service laterals that are shown to be rehabilitated with CIPPL with a new cleanout shall be televised to verify diameter, configuration and location of existing cleanout (if any). Uncover and expose existing cleanout to facilitate installation of the new lateral liner. Install new cleanout if an existing cleanout does not exist. Install new lateral liner after the required waiting period as described in the Specifications.
8. Dye test laterals as shown to be abandoned to confirm inactive status. Do not reinstate inactive lateral connections.
9. Within 30 days of Notice to Proceed, Contractor shall dig a test pit to expose the existing concrete encasement without further damage to the existing VCP pipe. While excavating the test pit, televise pipeline to confirm that additional damage is not being made to the VCP pipeline during test pitting activities. The purpose of the test pit is to expose limits of concrete encasement to determine if the excavated repair can be made directly to the DIO carrier pipe or if the excavated repair will be performed outside of the limits of the concrete encasement connecting to competent VCP. No materials can be purchased for this sewer segment until the Owner directs the Contractor to proceed with the work or a revised plan based on the test pit findings. The Owner will provide direction within 14 days of receipt of Contractor's Field Report. Contractor shall provide 72-hours advance notice to the OWNER in advance of test pit activities.
10. Install temporary 12' x 40' Portable Timber bridge and abutments across the creek. Bridge shall be of suitable length to protect stream banks. Bridge shall be an engineered structure having a minimum capacity of 10,000 or 80,000 lb. multi-axle load as manufactured by E&H Manufacturing, Inc. or equal. Design shall be verified by an Engineer licensed in the Commonwealth of Virginia. Submit shop drawing of temporary bridge as a submittal prior to construction. Install all fence along temporary easement in accordance with the Details on Sheet C-16.



DESIGNED	DRAWN	CHECKED	APPROVED
A.T.	A.T.	J.A.S.	T.C.W.



**Westside Boulevard  
Sanitary Sewer Rehabilitation**

UTILITY PLAN - 2 (WESTSIDE BLVD)

DATE	JOB NO.	DRAWING NO.	SHEET NO.
FEBRUARY 2018	062859	C4	4 OF 17

**FLOW BYPASS NOTES:**

1. Dry weather flows requiring bypass are anticipated to range between 0.4 and 1.0 MGD.
2. During dry weather conditions, contractor may bypass flow from the Westside sanitary sewer to the adjacent interceptor.
3. Coordinate bypass piping layout with Traffic Control Plan and Details shown on DRAWING NO. C14.

- Mainline CIPPL
- Dig & Replace
- Point Repair Before Lining
- New Manhole
- Manhole Lined
- Lateral Grouting
- Lateral Short Liner
- Cleanout Installed

MANHOLE TO BE REHABILITATED, SEE MANHOLE SCHEDULE, DRAWING NO. C11 (Typ).

20' TEMPORARY EASEMENT CENTERED AROUND PIPES AND STRUCTURES. SEE NOTE 10

FOR SURVEY PLAN AND PROFILE SEE DRAWING NO. C9

REMOVE & REPLACE EXIST. MANHOLE, PER DETAILS S-1 & S11, DRAWING NO. C12 (Typ).

MANHOLE TO BE REHABILITATED, SEE MANHOLE SCHEDULE, DRAWING NO. C11 (Typ).

NO.	DESCRIPTION	DATE	BY
1	ADDENDUM #1	4/3/2018	A.T.
REVISIONS			

