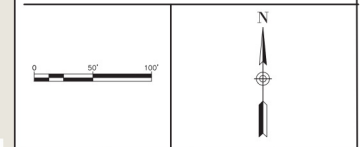


**CONSTRUCTION NOTES:**

1. General sequence of work shall be excavated repairs, new manhole installation, cured-in-place mainline 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 mainlines 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 Insertate or Wye. All new lateral piping and cleanout assemblies shall be constructed in accordance with 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 to be rehabilitated with CIPPL shall be connected to the new piping using Tee or Wye fittings to match existing service lateral 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 restate 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 pipes. 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 DIP 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. Min. capacity shall be HS 20-44 or 80,000 lb. Multi-axle load.
11. Within 30 days of Notice to Proceed, Contractor shall dig a test pit to expose structure that may or may not actually exist. If a structure is found, expose the structure to determine extents and ability to access the structure to successfully rehabilitate the pipeline using CIPPL. While excavating the test pit, televise pipeline to confirm that additional damage is not being made to the VCP pipeline during test pitting activities. 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.
12. Replace manhole using eccentric components where possible to maximize distance between edge of gutter and manhole frame and cover. Form bench and channel in-place to locate channel allowing manhole base to be offset of pipe centerline.



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

*Westside Boulevard  
Sanitary Sewer Rehabilitation*

**UTILITY PLAN - 3 (WESTSIDE BLVD)**

DATE FEBRUARY 2018	JOB NO. 062859	DRAWING NO. C5	SHEET NO. 5 OF 17
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