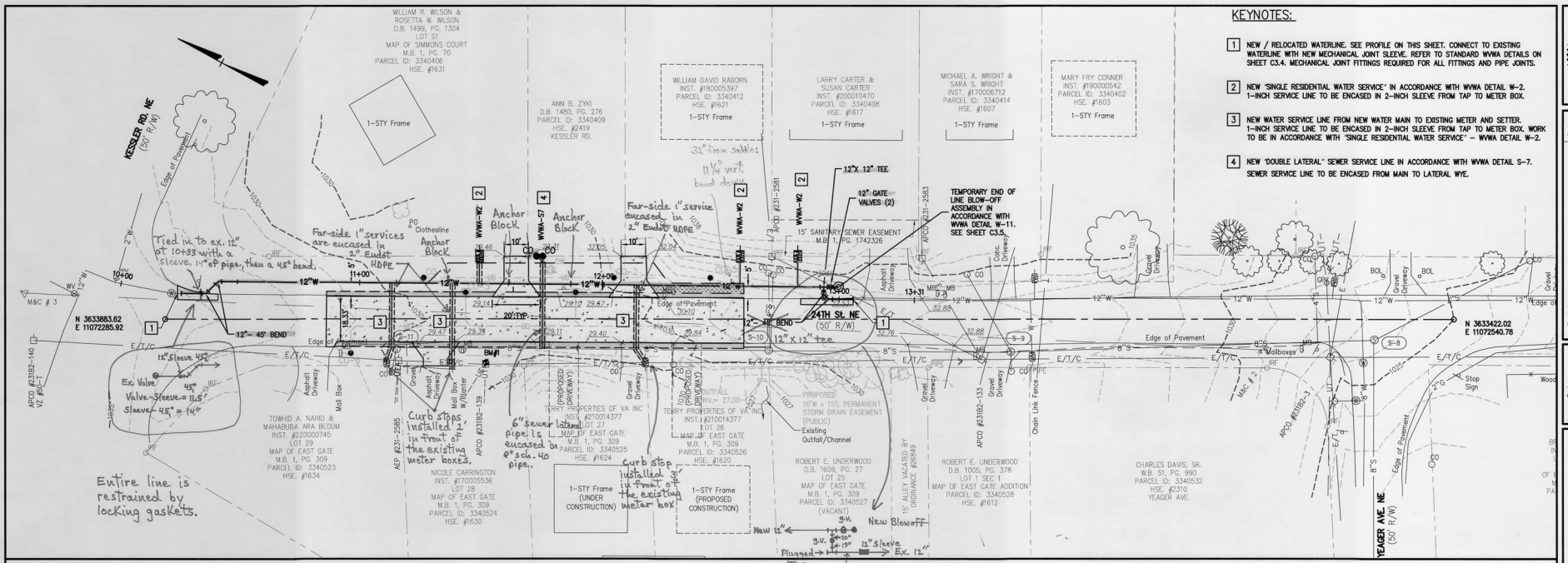
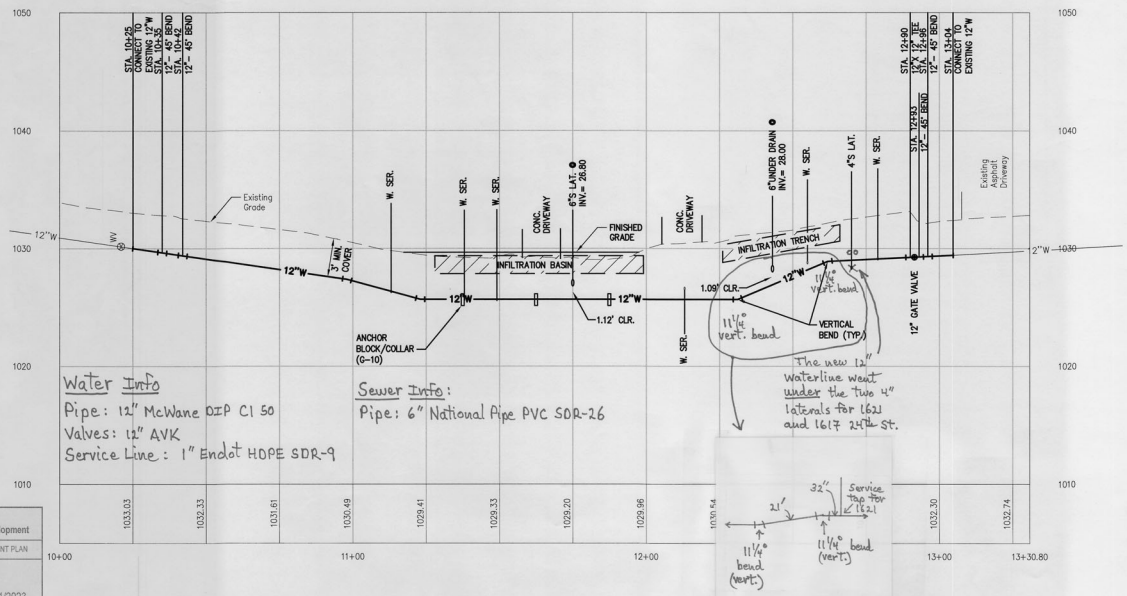


KEYNOTES:

1. NEW / RELOCATED WATERLINE. SEE PROFILE ON THIS SHEET. CONNECT TO EXISTING WATERLINE WITH NEW MECHANICAL JOINT SLEEVE. REFER TO STANDARD WVWA DETAILS ON SHEET C3.4. MECHANICAL JOINT FITTINGS REQUIRED FOR ALL FITTINGS AND PIPE JOINTS.
2. NEW "SINGLE RESIDENTIAL WATER SERVICE" IN ACCORDANCE WITH WVWA DETAIL W-2. 1-INCH SERVICE LINE TO BE ENCASED IN 2-INCH SLEEVE FROM TAP TO METER BOX.
3. NEW WATER SERVICE LINE FROM NEW WATER MAIN TO EXISTING METER AND SETTER. 1-INCH SERVICE LINE TO BE ENCASED IN 2-INCH SLEEVE FROM TAP TO METER BOX. WORK TO BE IN ACCORDANCE WITH "SINGLE RESIDENTIAL WATER SERVICE" – WVWA DETAIL W-2.
4. NEW "DOUBLE LATERAL" SEWER SERVICE LINE IN ACCORDANCE WITH WVWA DETAIL S-7. SEWER SERVICE LINE TO BE ENCASED FROM MAIN TO LATERAL WYE.

PROFILE – 24TH STREET NE (25 MPH POSTED)



Water Info
Pipe: 12" McWane DIP Cl 50
Valves: 12" AVK
Service Line: 1" Endot HDPE SDR-9

Sewer Info:
Pipe: 6" National Pipe PVC SDR-26

The new 12" waterline went under the two 4" laterals for 1621 and 1617 24th St.

City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN
APPROVED
by Aaron Cypher 05/01/2023

WVWA NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (AUTHORITY) AVAILABLE AT WWW.WESTERNVAWATER.ORG. ALL WATER AND SEWER WORK SHALL BE SUBJECT TO INSPECTION BY WVWA. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY STANDARDS (E.G. VDOT, DEQ, DCR, VDH, ETC.) WHERE APPLICABLE.
2. THE CONTRACTOR SHALL PERFORM ALL MANHOLE CONNECTIONS. THE CORING AND BOOT INSTALLATION SHALL BE INSPECTED AND APPROVED BY AN AUTHORITY CONSTRUCTION INSPECTOR PRIOR TO ACTIVATING SEWER SERVICE. THE CONTRACTOR SHALL CONTACT THE AUTHORITY'S CONSTRUCTION INSPECTOR RESPONSIBLE FOR THE PROJECT AT LEAST ONE (1) DAY PRIOR TO INITIATING THE MANHOLE CONNECTION.
3. PRIOR TO CONSTRUCTION IN THE RIGHT-OF-WAY, ALL APPLICABLE PERMIT(S) FROM THE GOVERNING JURISDICTION AND/OR AGENCY MUST BE OBTAINED AND A COPY KEPT ON THE PROJECT SITE.
4. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE MOST RECENT MUTCD MANUAL AND THE VDOT WORK AREA PROTECTION MANUAL. ALL PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH THE PLANS AND APPLICABLE VDOT LAND USE PERMIT.
5. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY'S ENGINEERING COORDINATOR, MARK SINK, AT 540-537-3460 AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
6. A PRE-CONSTRUCTION CONFERENCE SHALL BE SCHEDULED AT LEAST ONE (1) DAY PRIOR TO ANY CONSTRUCTION.
7. THE CONTRACTOR SHALL HAVE A VALID MISS UTILITY TICKET PRIOR TO EXCAVATION. CONTACT MISS UTILITY AT 1-800-552-7001.
8. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THEIR EXACT LOCATION. CONTRCTOR SHALL LOCATE ALL UTILITIES AND DETERMINE ALL INVERTS (THROUGH "POTHOLING" AND TEST DIG IF NECESSARY) PRIOR TO CONSTRUCTION TO ALLOW FOR ADJUSTMENTS DUE TO CONFLICTS WITH OTHER UTILITIES. THE CONTRACTOR SHALL COMPLY WITH THE VIRGINIA STATE WATER WORKS REGULATIONS, SECTION 12.05.03, AND THE VIRGINIA STATE SEWAGE COLLECTION AND TREATMENT REGULATIONS WHERE LINES CROSS.
9. AN APPROVED SET OF PLANS AND PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
10. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT.
11. PRIOR TO COMMENCING WORK, THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER SHALL OBTAIN AN EROSION AND SEDIMENT CONTROL PERMIT FOR THE PROJECT FROM THE LOCAL GOVERNING JURISDICTION AND DCR (IF REQUIRED). ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING ALL VEHICLES AND EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE STREETS ARE KEPT IN A CLEAN, MUD- AND DUST-FREE CONDITION AT ALL TIMES.
13. FIELD CHANGES SHALL BE APPROVED BY THE AUTHORITY'S ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.
14. THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE ACCESS TO ALL PROPERTIES DURING CONSTRUCTION AND SHALL MAINTAIN SAFE ACCESSIBILITY TO FIRE HYDRANTS AT ALL TIMES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE RIMS SHALL BE INSTALLED TO GRADE AND FLUSH WITH THE FINAL PAVEMENT.
16. UNREPAIRED ROADWAYS OPENED TO TRAFFIC SHALL HAVE, AT A MINIMUM, COMPACTED AGGREGATE MATERIAL VDOT 21A OR 21B FLUSH WITH THE ADJACENT ROADWAY SURFACE AND SHALL BE INSPECTED AND REPAIRED ON A DAILY BASIS. SOME AREAS WILL REQUIRE A TEMPORARY PATCH UNTIL FINAL PAVING CAN BE COMPLETED.
17. THE CONTRACTOR SHALL NOT EXCAVATE MORE THAN 100' OF TRENCH AT A TIME. ALL TRENCHES SHALL BE BACKFILLED OR PLATED AT THE END OF EACH WORK DAY OR WHEN THE CONTRACTOR IS NOT ON SITE.
18. THE CONTRACTOR SHALL SUPPLY THE AUTHORITY WITH CORRECT AS-BUILT PLANS BEFORE SUBSTANTIAL COMPLETION WILL BE GRANTED.
19. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" CLEARANCE VERTICALLY AND 2' MINIMUM HORIZONTALLY FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE AT ALL WATER, SANITARY SEWER CROSSINGS OF ANY OTHER UTILITIES. WHERE THIS CANNOT BE ACHIEVED ADDITIONAL MEASURES IN ACCORDANCE WITH WVWA STANDARDS SHALL BE ENFORCED.

SCALE: 1" = 20'

Inspector's As-Builts K. Winslow 12.26.23 Contractor: Holt, Inc.

Mattern & Craig
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Revisions	Date
1 PLAN REVISION NO. 1	4/18/23

Issue Date: MAR. 31, 2023
Drawn By: WTA
Designed By: ARB
Checked By: WTA
Dates: 3/31/23

STORMWATER DRAINAGE IMPROVEMENT PROJECT FOR 1600 BLOCK 24TH ST. NE

PLAN AND PROFILE – UTILITY RELOCATIONS

ROANOKE, VIRGINIA

Vertical Scale: 1"= 5'
Horizontal Scale: 1"= 20'
Commission Number: 3991C
Sheet No.: C3.3