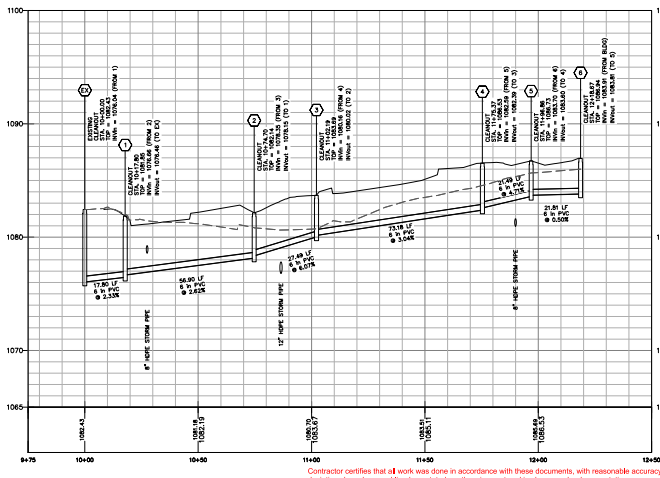


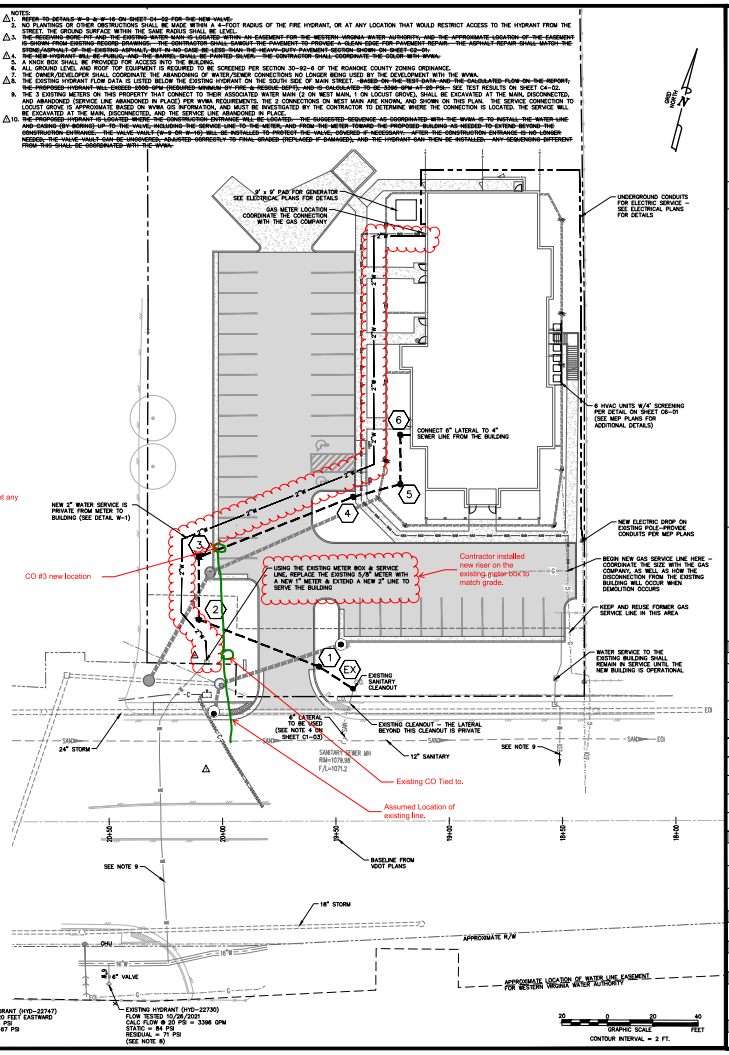
Contractor certifies that all work was done in accordance with these documents, with reasonable accuracy an that any deviations have been red-lined annotated or otherwise captured in change order documentation.

TerWisscha Construction Inc.

Jeremy Nelson
Jeremy Nelson
PM Manager

NOTES:

1. ~~REFER TO DETAILS W-3 & W-16 ON SHEET C4-02 FOR THE NEW VALVE.~~
2. NO PLANTINGS OR OTHER OBSTRUCTIONS SHALL BE MADE WITHIN A 4-FOOT RADIUS OF THE FIRE HYDRANT, OR AT ANY LOCATION THAT WOULD RESTRICT ACCESS TO THE HYDRANT FROM THE STREET. THE GROUND SURFACE WITHIN THE SAME RADIUS SHALL BE LEVEL.
3. ~~WHERE THE PROPOSED SERVICE LINE CROSSES THE WESTERN VIRGINIA WATER AUTHORITY AND THE APPROXIMATE LOCATION OF THE EASEMENT IS SHOWN FROM EXISTING RECORD DRAWING, THE CONTRACTOR SHALL SAWCUT THE PAVEMENT TO PROVIDE A CLEAN EDGE FOR PAVEMENT REPAIR. THE ASPHALT REPAIR SHALL MATCH THE STONE/ASPHALT OF THE EXISTING ASPHALT, BUT IN NO CASE BE LESS THAN THE HEAVY-DUTY PAVEMENT SECTION SHOWN ON SHEET C2-01.~~
4. ~~THE NEW HYDRANT WILL BE PURCHASED AND THE BARREL SHALL BE PAINTED SILVER. THE CONTRACTOR SHALL COORDINATE THE COLOR WITH WVWA.~~
5. A KNOX BOX SHALL BE PROVIDED FOR ACCESS INTO THE BUILDING.
6. ALL GROUND LEVEL AND ROOF TOP EQUIPMENT IS REQUIRED TO BE SCREENED PER SECTION 30-92-6 OF THE ROANOKE COUNTY ZONING ORDINANCE.
7. THE OWNER/DEVELOPER SHALL COORDINATE THE ABANDONING OF WATER/SEWER CONNECTIONS NO LONGER BEING USED BY THE DEVELOPMENT WITH THE WVWA.
8. ~~THE EXISTING HYDRANT FLOW DATA IS LISTED BELOW THE EXISTING HYDRANT ON THE SOUTH SIDE OF MAIN STREET. BASED ON THE TEST DATA AND THE CALCULATED FLOW ON THE REPORT, THE PROPOSED HYDRANT WILL EXCEED 2000 GPM (REQUIRED MINIMUM FIRE FLOW & RESIDUE DEPTH) AND IS CALCULATED TO BE 3306 GPM AT 20 PSI. SEE TEST RESULTS ON SHEET C4-02.~~
9. ~~THE 3 EXISTING METERS ON THIS PROPERTY THAT CONNECT TO THEIR ASSOCIATED WATER MAIN (2 ON WEST MAIN, 1 ON LOCUST GROVE), SHALL BE EXCAVATED AT THE MAIN, DISCONNECTED, AND ABANDONED. SERVICE LINE ABANDONMENT WILL FOLLOW WVWA REQUIREMENTS. THE 2 CONNECTIONS ON WEST MAIN ARE KNOWN, AND SHOWN ON THIS PLAN. THE SERVICE CONNECTION TO LOCUST GROVE IS UNKNOWN, AND WILL BE LOCATED BY THE CONTRACTOR TO DETERMINE WHERE THE CONNECTION IS LOCATED. THE SERVICE WILL BE EXCAVATED AT THE MAIN, DISCONNECTED, AND THE SERVICE LINE ABANDONED IN PLACE.~~
10. ~~THE PROPOSED HYDRANT IS LOCATED WHERE THE CONSTRUCTION ENTRANCE WILL BE LOCATED. THE SUGGESTED SEQUENCE AS COORDINATED WITH THE WVWA IS TO INSTALL THE WATER LINE AND CASING (BY BORING) UP TO THE VALVE, INCLUDING THE SERVICE LINE TO THE METER, AND FROM THE METER TOWARD THE BUILDING AS NEEDED TO EXTEND BEYOND THE CONSTRUCTION ENTRANCE. THE VALVE VAULT (W-3 OR W-16) WILL BE INSTALLED TO PROTECT THE VALVE, COVERED IF NECESSARY. AFTER THE CONSTRUCTION ENTRANCE IS NO LONGER NEEDED, THE VALVE VAULT CAN BE UNCOVERED, ADJUSTED CORRECTLY TO FINAL GRADE (REPLACED IF DAMAGED), AND THE HYDRANT CAN THEN BE INSTALLED. ANY SEQUENCING DIFFERENT FROM THIS SHALL BE COORDINATED WITH THE WVWA.~~



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SALEM ANIMAL HOSPITAL SITE DEVELOPMENT PLAN

ROANOKE COUNTY, VIRGINIA

COMMONWEALTH OF VIRGINIA
TREVOR M. KIMZEY
Lic. No. 0436354
PROFESSIONAL ENGINEER

REVISIONS

NO.	COMMENTS	DATE
1	REMOVED 8" WATER MAIN & SCRE ACROSS WEST MAIN STREET AND FIRE HYDRANT.	06/15/2022

PROJECT TEAM

PE	TREVOR M. KIMZEY, PE
PM	BRYANT H. ALTIZER, PE, LS
DESIGN	EZO, ZJM

ISSUE DATE: 01/05/2022

GNI JOB NO.: 3178

SHEET TITLE: UTILITY PLAN

SHEET NUMBER: C4-01

APPROVED, 9/22/2022

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