

WESTERN VIRGINIA WATER AUTHORITY NOTES:

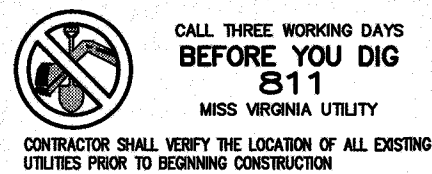
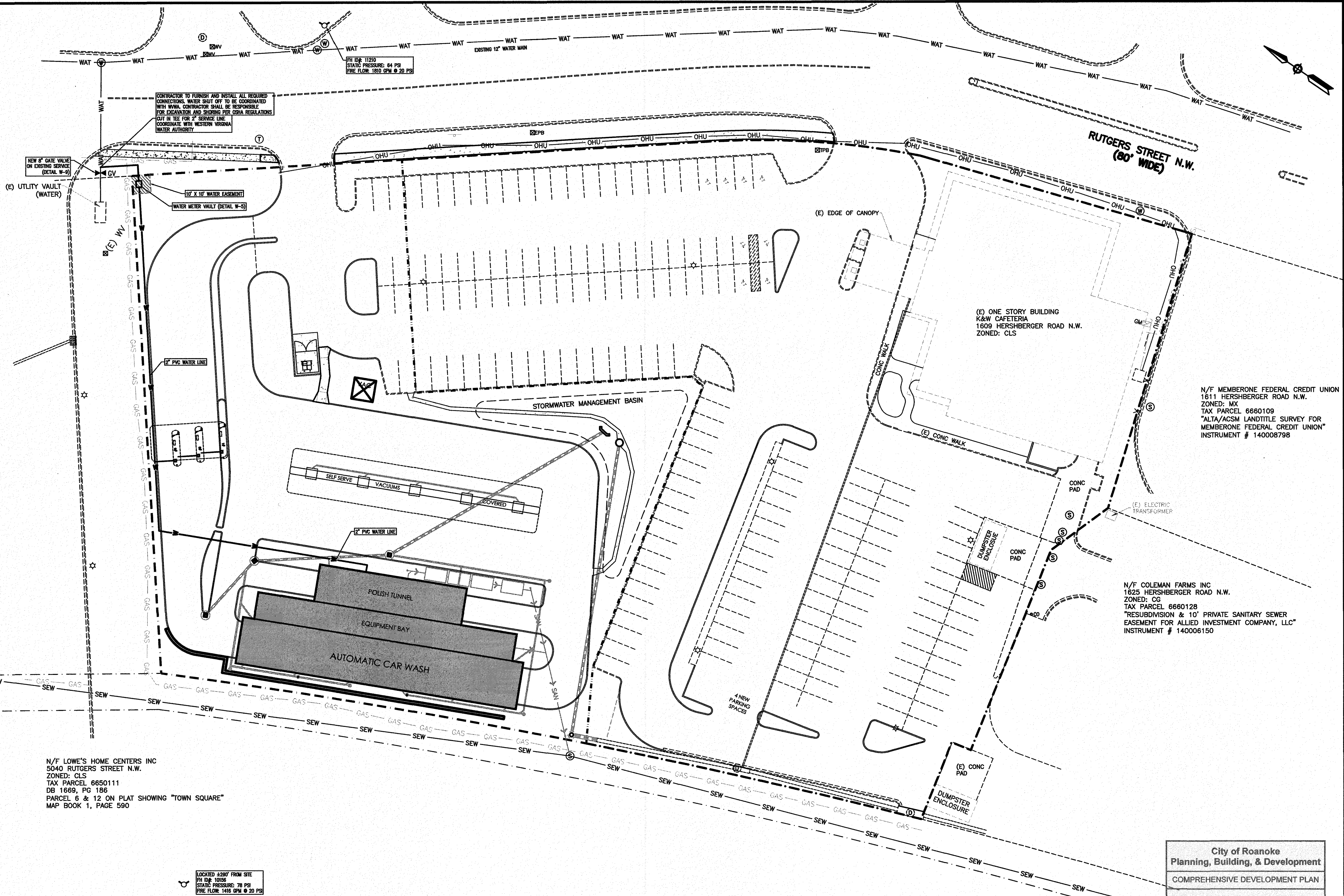
1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) AVAILABLE AT WWW.WESTERNVIRGINIAWATER.ORG. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS 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, [NAME TO BE PROVIDED], AT 540-537-3243 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. CONTRACTOR SHALL LOCATE ALL UTILITIES AND DETERMINE ALL INVERTS 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 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.

GENERAL NOTES:

1. "CONTRACTOR TO FURNISH AND INSTALL TAPPING SLEEVE AND VALVE, TAP TO BE MADE BY WVWA. CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS."
 2. "THE WATER SERVICE FOR THIS PROJECT WILL REQUIRE A CONCRETE VAULT. PLEASE CONTACT CLEAR FLOW AT (540) 942-3300 TO ORDER THE VAULT. THE APPLICANT IS RESPONSIBLE FOR PAYMENT, DELIVERY AND COORDINATION OF THE VAULT, AND INSTALLATION OF THE WATER SERVICE BETWEEN THE AUTHORITY MAIN AND THE VAULT INCLUDING THE TAPPING SLEEVE AND VALVE. CONTRACTOR TO EXCAVATE AND INSTALL TAPPING SLEEVE AND VALVE, THE TAP WILL BE MADE BY THE AUTHORITY UPON PAYMENT AND SCHEDULING."
 3. "SANITARY SEWER TAP TO EXISTING MANHOLE TO BE MADE BY CONTRACTOR. MANHOLE CONNECTION MUST BE CORED WITH A BOOT INSTALLED."
 4. GREASE INTERCEPTOR SHALL BE INSPECTED AND APPROVED BY WESTERN VIRGINIA WATER AUTHORITY PRIOR TO SITE RECEIVING WATER SERVICE CONNECTION.
- FORTY-EIGHT (48) HOURS PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
1. SUBMIT SHOP DRAWINGS TO CASSIE ALICE, 601 S. JEFFERSON STREET, SUITE 300, ROANOKE, VA 24011
 2. CALL (540) 537-3460 TO SCHEDULE GREASE INTERCEPTOR INSPECTION. THE INSPECTION SHALL OCCUR PRIOR TO THE CONTRACTOR COVERING THE GREASE INTERCEPTOR.
 3. 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 (WVWA) AVAILABLE AT WWW.WESTERNVIRGINIAWATER.ORG OR BY CONTACTING THE AUTHORITY AT 540-853-5700. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY STANDARDS (E.G. VDOT, DEQ, DCR, VDH, ETC.) WHERE APPLICABLE.

FIRE DATA / KEYNOTES:

- FD-1: USE GROUP: B (BUSINESS)
- FD-2: CONSTRUCTION TYPE: II-B (UNPROTECTED NON-COMBUSTIBLE)
- FD-3: USE GROUP AND CONSTRUCTION TYPE PROVIDED BY PROJECT ARCHITECT IN ACCORDANCE WITH VIRGINIA UNIFORM STATEWIDE BUILDING CODE AND INTERNATIONAL BUILDING CODE.
- FD-4: FIRE FLOW REQUIRED (CODE): 2000 GPM
- FD-5: FIRE FLOW AVAILABLE:
-AT F.H.# 1210 = 1800 GPM
-AT F.H.# 10156 = 1416 GPM
- FD-6: NO NEW FIRE HYDRANT IS PROPOSED
- FD-7: NO NEW SPRINKLER SYSTEM OR FIRE ALARM IS PROPOSED.
- FD-8: NO KNOX BOX PROPOSED.



CALL THREE WORKING DAYS
BEFORE YOU DIG
811
MISS VIRGINIA UTILITY
CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING
UTILITIES PRIOR TO BEGINNING CONSTRUCTION

NOTICE TO CONTRACTORS REGARDING EXISTING UTILITIES

Contractors are specifically cautioned that the location and/or depth of existing utilities as shown on these plans is approximate only. The contractor is not to be relied on as being exact or complete.

The Contractor must call the appropriate utility provider in advance a minimum of 72 hours before beginning any excavation activities in order to verify the location of all existing utilities. It is the responsibility of the contractor to verify the utility locations and determine if any existing utilities conflict with the proposed construction.

These drawings prepared by the Engineer are instruments of the Engineer's service. Unless otherwise indicated, the Engineer shall be deemed the author of all drawings, specifications and other documents and shall retain all copyright, title, and other reserved rights, in addition to the copyright, title, and other reserved rights, in these drawings and specifications. These drawings shall not be used, copied or altered without the specific written consent of the Engineer. Any violation of the above rights of the Engineer shall be cause for the Engineer to pursue legal action without notice.

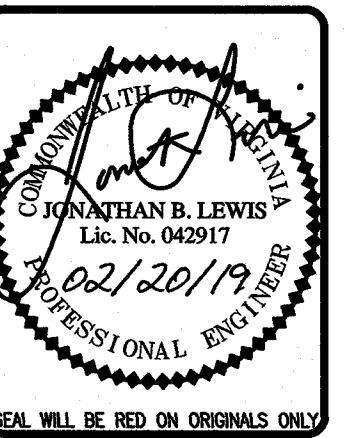
WATER LINE PLAN

30' 0' 30' 60'

REV.	DATE	BY

PROPOSED CONSTRUCTION PLANS
ULTIMATE SHINE CAR WASH
RUTGERS STREET N.W., ROANOKE, VA
WATER LINE PLAN

HIGHLANDS
ENGINEERING, LLC
4132 Bristol Highway, Suite 2 ~ Johnson City, TN 37601
Phone: (423) 926-2007 E-mail: highlandseng@gmail.com



DRAWN BY:
CHECKED BY:
DATE:
02-20-19
SCALE:
1"=30'
DRAWING NAME:
WLD ROANOKE 07
SHEET NUMBER:
C7
OF
16
SHEETS