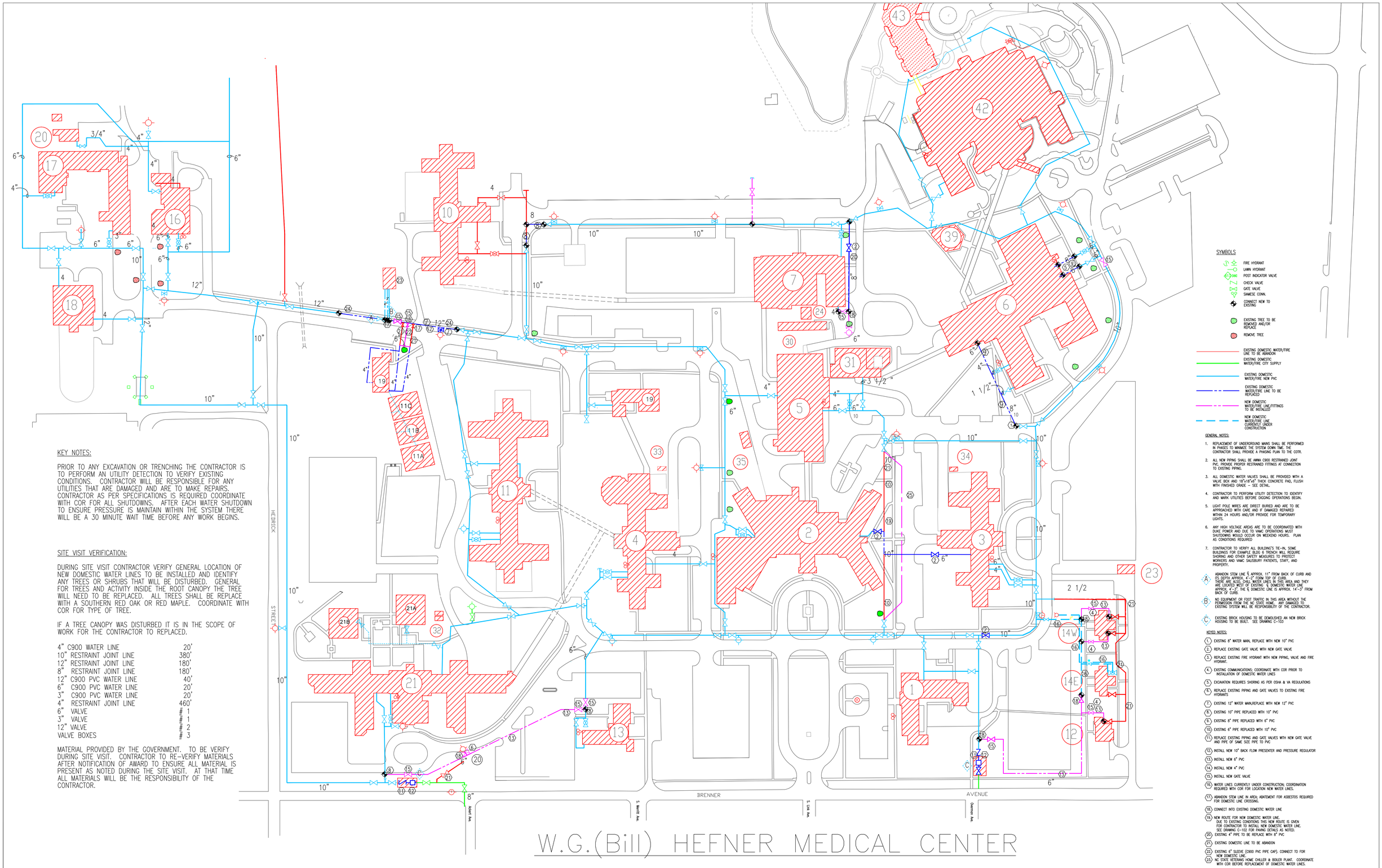

KEY NOTES:

PRIOR TO ANY EXCAVATION OR TRENCHING THE CONTRACTOR IS TO PERFORM AN UTILITY DETECTION TO VERIFY EXISTING CONDITIONS. CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES THAT ARE DAMAGED AND ARE TO MAKE REPAIRS. CONTRACTOR AS PER SPECIFICATIONS IS REQUIRED COORDINATE WITH COR FOR ALL SHUTDOWNS. AFTER EACH WATER SHUTDOWN TO ENSURE PRESSURE IS MAINTAIN WITHIN THE SYSTEM THERE WILL BE A 30 MINUTE WAIT TIME BEFORE ANY WORK BEGINS.

SITE VISIT VERIFICATION:

DURING SITE VISIT CONTRACTOR VERIFY GENERAL LOCATION OF NEW DOMESTIC WATER LINES TO BE INSTALLED AND IDENTIFY ANY TREES OR SHRUBS THAT WILL BE DISTURBED. GENERAL FOR TREES AND ACTIVITY INSIDE THE ROOT CANOPY THE TREE WILL NEED TO BE REPLACED. ALL TREES SHALL BE REPLACE WITH A SOUTHERN RED OAK OR RED MAPLE. COORDINATE WITH COR FOR TYPE OF TREE.

IF A TREE CANOPY WAS DISTURBED IT IS IN THE SCOPE OF WORK FOR THE CONTRACTOR TO REPLACED.

4" C900 WATER LINE	20'
10" RESTRAINT JOINT LINE	380'
12" RESTRAINT JOINT LINE	180'
8" RESTRAINT JOINT LINE	180'
12" C900 PVC WATER LINE	40'
6" C900 PVC WATER LINE	20'
3" C900 PVC WATER LINE	20'
4" RESTRAINT JOINT LINE	460'
6" VALVE	# 1
3" VALVE	# 1
12" VALVE	# 2
VALVE BOXES	# 3

MATERIAL PROVIDED BY THE GOVERNMENT. TO BE VERIFY DURING SITE VISIT. CONTRACTOR TO RE-VERIFY MATERIALS AFTER NOTIFICATION OF AWARD TO ENSURE ALL MATERIAL IS PRESENT AS NOTED DURING THE SITE VISIT. AT THAT TIME ALL MATERIALS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SYMBOLS

- FIRE HYDRANT
- LAWN HYDRANT
- POST INDICATOR VALVE
- CHECK VALVE
- GATE VALVE
- SIAMESE CONN.
- CONNECT NEW TO EXISTING
- EXISTING TREE TO BE REMOVED AND/OR REPLACE
- REMOVE TREE
- EXISTING DOMESTIC WATER/FIRE LINE TO BE ABANDON
- EXISTING DOMESTIC WATER/FIRE CITY SUPPLY
- EXISTING DOMESTIC WATER/FIRE NEW PVC
- EXISTING DOMESTIC WATER/FIRE LINE TO BE REPLACED
- NEW DOMESTIC WATER/FIRE LINE/FITTINGS TO BE INSTALLED
- NEW DOMESTIC WATER/FIRE LINE CURRENTLY UNDER CONSTRUCTION

GENERAL NOTES:

1. REPLACEMENT OF UNDERGROUND MAINS SHALL BE PERFORMED IN PHASES TO MINIMIZE THE SYSTEM DOWN TIME. THE CONTRACTOR SHALL PROVIDE A PHASING PLAN TO THE COTR.
2. ALL NEW PIPING SHALL BE AWWA C900 RESTRAINED JOINT PVC. PROVIDE PROPER RESTRAINED FITTINGS AT CONNECTION TO EXISTING PIPING.
3. ALL DOMESTIC WATER VALVES SHALL BE PROVIDED WITH A VALVE BOX AND 18"x18"x6" THICK CONCRETE PAD, FLUSH WITH FINISHED GRADE – SEE DETAIL.
4. CONTRACTOR TO PERFORM UTILITY DETECTION TO IDENTIFY AND MARK UTILITIES BEFORE DIGGING OPERATIONS BEGIN.
5. LIGHT POLE WIRES ARE DIRECT BURIED AND ARE TO BE APPROACHED WITH CARE AND IF DAMAGED REPAIRED WITHIN 24 HOURS AND/OR PROVIDE FOR TEMPORARY LIGHTS.
6. ANY HIGH VOLTAGE AREAS ARE TO BE COORDINATED WITH DUKE POWER AND DUE TO VAMC OPERATIONS MUST SHUTDOWNS WOULD OCCUR ON WEEKEND HOURS. PLAN AS CONDITIONS REQUIRED
7. CONTRACTOR TO VERIFY ALL BUILDING'S TIE-IN, SOME BUILDINGS FOR EXAMPLE BLDG 6 TRENCH WILL REQUIRE SHORING AND OTHER SAFETY MEASURES TO PROTECT WORKERS AND VAMC SALISBURY PATIENTS, STAFF, AND PROPERTY.

A. ABANDON STEM LINE Ę APPROX. 11' FROM BACK OF CURB AND ITS DEPTH APPROX. 4'-2" FORM TOP OF CURB. THERE ARE ALSO, CHILL WATER LINES IN THIS AREA AND THEY ARE LOCATED WEST OF EXISTING Ę DOMESTIC WATER LINE APPROX. 4'-3". THE Ę DOMESTIC LINE IS APPROX. 14'-3" FROM BACK OF CURB.

B. NO EQUIPMENT OR FOOT TRAFFIC IN THIS AREA WITHOUT THE PERMISSION FROM THE NC STATE HOME. ANY DAMAGED TO EXISTING SYSTEM WILL BE RESPONSIBILITY OF THE CONTRACTOR.

C. EXISTING BRICK HOUSING TO BE DEMOLISHED AN NEW BRICK HOUSING TO BE BUILT. SEE DRAWING C-103

KEYED NOTES:

1. EXISTING 8" WATER MAIN, REPLACE WITH NEW 10" PVC
2. REPLACE EXISTING GATE VALVE WITH NEW GATE VALVE
3. REPLACE EXISTING FIRE HYDRANT WITH NEW PIPING, VALVE AND FIRE HYDRANT.
4. EXISTING COMMUNICATIONS; COORDINATE WITH COR PRIOR TO INSTALLATION OF DOMESTIC WATER LINES
5. EXCAVATION REQUIRES SHORING AS PER OSHA & VA REGULATIONS
6. REPLACE EXISTING PIPING AND GATE VALVES TO EXISTING FIRE HYDRANTS
7. EXISTING 12" WATER MAIN,REPLACE WITH NEW 12" PVC
8. EXISTING 10" PIPE REPLACED WITH 10" PVC
9. EXISTING 8" PIPE REPLACED WITH 6" PVC
10. EXISTING 6" PIPE REPLACED WITH 10" PVC
11. REPLACE EXISTING PIPING AND GATE VALVES WITH NEW GATE VALVE AND PIPE OF SAME SIZE PIPE TO PVC.
12. INSTALL NEW 10" BACK FLOW PRESENTER AND PRESSURE REGULATOR
13. INSTALL NEW 6" PVC
14. INSTALL NEW 4" PVC
15. INSTALL NEW GATE VALVE
16. WATER LINES CURRENTLY UNDER CONSTRUCTION; COORDINATION REQUIRED WITH COR FOR LOCATION NEW WATER LINES.
17. ABANDON STEM LINE IN AREA; ABATEMENT FOR ASBESTOS REQUIRED FOR DOMESTIC LINE CROSSING.
18. CONNECT INTO EXISTING DOMESTIC WATER LINE
19. NEW ROUTE FOR NEW DOMESTIC WATER LINE. DUE TO EXISTING CONDITIONS THIS NEW ROUTE IS GIVEN FOR CONTRACTOR TO INSTALL NEW DOMESTIC WATER LINE. SEE DRAWING C-102 FOR PAVING DETAILS AS NOTED.
20. EXISTING 4" PIPE TO BE REPLACE WITH 8" PVC
21. EXISTING DOMESTIC LINE TO BE ABANDON
22. EXISTING 6" SLEEVE (C900 PVC PIPE CAP). CONNECT TO FOR NEW DOMESTIC LINE.
23. NC STATE VETERANS HOME CHILLER & BOILER PLANT. COORDINATE WITH COR BEFORE REPLACEMENT OF DOMESTIC WATER LINES.
24. CONCRETE SIDEWALK LIES DIRECTLY ABOVE EXISTING 12" WATER LINE TO BE REPLACED.
25. PAVING OPERATIONS.

REV-1 ADDITION TO KEY NOTES	1 AUG 12
Revision	Date

RECOMMEND APPROVAL

REQUESTER	Date		
CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY: MEDICAL CENTER DIRECTOR			Date

Drawing Title: EXISTING, REPLACING, AND NEW DOMESTIC WATER LINES

Approved: Safety Manager/M&O Supervisor

Approved:Chief of Facilities Management Svr.

Project Title: REPLACE DOMESTIC WATER PIPING–NORTH LOOP

Building Number CAMPUS | Checked | Drawn BLF

Location: W.G.(Bill) Hefner Medical Center, 1601 Brenner Ave. Salisbury NC 28144

Date: 29 JUNE 2012

Project No. 659-12-253

DRAWING NO. U-101

DWG. 5 OF 7

Department of Veterans Affairs