



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 BE REPLACED.

4" C900 WATER LINE	20'
10" RESTRAINT JOINT LINE	280'
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
- SWIMME 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 REPAIRED
- NEW DOMESTIC WATER/FIRE LINE/FITTINGS TO BE INSTALLED
- NEW DOMESTIC WATER/FIRE LINE CURRENTLY UNDER CONSTRUCTION

GENERAL NOTES:

- REPLACEMENT OF UNDERGROUND MAINS SHALL BE PERFORMED IN PHASES TO MINIMIZE THE SYSTEM DOWN TIME. THE CONTRACTOR SHALL PROVIDE A PAVING PLAN TO THE COR.
- ALL NEW PIPING SHALL BE MAND C900 RESTRAINED JOINT PVC. PROVIDE PROPER RESTRAINED FITTINGS AT CONNECTION TO EXISTING PIPING.
- ALL DOMESTIC WATER VALVES SHALL BE PROVIDED WITH A VALVE BOX AND 18"x18"x4" THICK CONCRETE PAD, FLUSH WITH FINISHED GRADE - SEE DETAIL.
- CONTRACTOR TO PERFORM UTILITY DETECTION TO IDENTIFY AND MARK UTILITIES BEFORE EXCING OPERATIONS BEGIN.
- 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.
- ANY HIGH VOLTAGE AREAS ARE TO BE COORDINATED WITH DUNE POWER AND DUE TO VMAO OPERATIONS MUST SHUTDOWNS WOULD OCCUR ON WEEKEND HOURS. PLAN AS CONDITIONS REQUIRED.
- CONTRACTOR TO VERIFY ALL BUILDINGS TIE-IN, SOME BUILDINGS FOR EXAMPLE BLDG # TRENCH WILL REQUIRE SHORING AND OTHER SAFETY MEASURES TO PROTECT WORKERS AND VMAO SALES/BUYER INTERVIEWS, STAFF, AND PROPERTY.

- A. ABANDON STEM LINE 6 APPROX. 11" FROM BACK OF CURB AND ITS BIRTH APPROX. 4'-2" FROM TOP OF CURB. THERE ARE ALSO CHILL WATER LINES IN THIS AREA AND THEY ARE LOCATED WEST OF EXISTING 6" DOMESTIC WATER LINE APPROX. 4'-3". THE 6" DOMESTIC WATER 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 CHILLER & BOILER PLANT. EXISTING SYSTEM WILL BE RESPONSIBILITY OF THE CONTRACTOR.
- C. EXISTING BRICK HOUSING TO BE DEMOLISHED IN NEW BRICK HOUSING TO BE BUILT - SEE DRAWING C-103.
- D. EXISTING FIRE HYDRANT DOESN'T MEET HEIGHT REQUIREMENT. CONTRACTOR TO RESET HYDRANT AS PER REQUIREMENTS.

KEYED NOTES:

- EXISTING 8" WATER MAIN REPLACE WITH NEW 10" PVC
- REPLACE EXISTING GATE VALVE WITH NEW GATE VALVE
- REPLACE EXISTING FIRE HYDRANT WITH NEW PIPING VALVE AND FIRE HYDRANT
- EXISTING COMMUNICATIONS, COORDINATE WITH COR PRIOR TO INSTALLATION OF DOMESTIC WATER LINES
- EXCAVATION REQUIRES SHORING AS PER OSHA & VA REGULATIONS
- REPLACE EXISTING PIPING AND GATE VALVES TO EXISTING FIRE HYDRANTS
- EXISTING 12" WATER MAIN REPLACE WITH NEW 12" PVC
- EXISTING 10" PIPE REPLACED WITH 10" PVC
- EXISTING 8" PIPE REPLACED WITH 8" PVC
- EXISTING 6" PIPE REPLACED WITH 10" PVC
- REPLACE EXISTING PIPING AND GATE VALVES WITH NEW GATE VALVE AND PIPE OF SAME SIZE PIPE TO PVC
- INSTALL NEW 10" BACK FLOW PREVENTER AND PRESSURE REGULATOR FOR DOMESTIC LINE CROSSING
- INSTALL NEW 6" PVC
- INSTALL NEW 4" PVC
- INSTALL NEW GATE VALVE
- WATER LINES CURRENTLY UNDER CONSTRUCTION; COORDINATION REQUIRED WITH COR FOR LOCATION NEW WATER LINES.
- ABANDON STEM LINE IN AREA; ABANDONMENT FOR ASBESTOS REQUIRED FOR DOMESTIC LINE CROSSING
- CONNECT INTO EXISTING DOMESTIC WATER LINE
- NEW ROUTE FOR NEW DOMESTIC WATER LINE. DUE TO EXISTING CONDITIONS THIS NEW ROUTE IS GIVEN FOR CONTRACTOR TO INSTALL NEW DOMESTIC WATER LINE. SET DRAWING C-102 FOR PAVING DETAILS AS NOTED.
- EXISTING 4" PIPE TO BE REPLACE WITH 4" PVC
- EXISTING DOMESTIC LINE TO BE ABANDON
- EXISTING 8" SLEEVE (C900 PVC PIPE CAP) CONNECT TO FOR NEW DOMESTIC LINE.
- NC STATE VETERANS HOME CHILLER & BOILER PLANT. COORDINATE WITH COR BEFORE REPLACEMENT OF DOMESTIC WATER LINES.
- CONCRETE SIDEWALK LIES DIRECTLY ABOVE EXISTING 12" WATER LINE TO BE REPLACED.
- PAVING OPERATIONS.

W.G.(Bill) HEFNER MEDICAL CENTER

REV-1 ADDITION TO KEY NOTES	1 AUG 12
REV-2 MODIFICATION TO KEY NOTES	14 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:			Date
MEDICAL CENTER DIRECTOR			

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