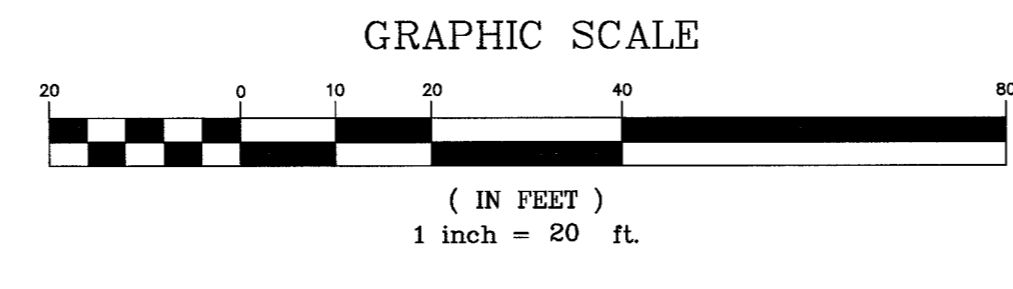


- GENERAL NOTES:**
- AVAILABLE INFORMATION AS TO THE LOCATION OF EXISTING SUBSTRUCTURES AND UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULTS OF SUCH INVESTIGATIONS, AS MAY BE SHOWN ON THE CONTRACT DRAWINGS, ARE NOT GUARANTEED AS TO ACCURACY. EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL DIG TEST PITS AS NECESSARY TO VERIFY TRUE AND EXACT LOCATIONS OF UNDERGROUND UTILITIES. PAYMENT FOR TEST PITS SHALL BE IN THE LUMP SUM PRICE BID.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING THRUST BLOCKS WHICH ARE RESTRAINING EXISTING UTILITIES. EXISTING THRUST BLOCKS SHALL NOT BE UNDERMINED OR DISTURBED.
 - PRIOR TO ANY CONNECTION TO OR WORK IN EXISTING FACILITIES, THE CONTRACTOR SHALL NOTIFY THE GOVERNMENT. ALL CONNECTIONS TO AND WORK IN EXISTING FACILITIES SHALL BE DONE AT THE CONVENIENCE OF THE GOVERNMENT. THE DURATION OF A FULL SHUT DOWN OF THE EXISTING PLANT SHALL NOT EXCEED 12 HOURS. THE EXISTING CLEARWELL, THE EXISTING BOOSTER PUMP STATION'S FINISHED WATER PUMPS, THE EXISTING BACKWASH TANK, AND THE EXISTING SUBMERSIBLE PUMP VAULT FACILITIES CAN BE TAKEN OUT OF SERVICE INDIVIDUALLY FOR EXTENDED PERIODS OF TIME WITHOUT REQUIRING A FULL PLANT SHUT DOWN.
 - EXISTING MAINS TO WHICH CONNECTIONS SHALL BE MADE ARE SIZED AND LOCATED IN ACCORDANCE WITH AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE PREPARED TO ACCOMMODATE CHANGES IN THE SIZE OR LOCATION BY MAINTAINING AT THE JOB SITE ADDITIONAL PIPE, FITTINGS, VALVES, ETC. IN THE RANGES OF SIZE BEING DEALT WITH. THIS ADDITIONAL MATERIAL SHALL BE AVAILABLE TO PREVENT DELAYS IN CONSTRUCTION AND SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.
 - ALL TRENCHES SHALL BE BACKFILLED WITHOUT DELAY. OPEN TRENCHES SHALL BE KEPT TO A MINIMUM. OPEN TRENCHES SHALL BE STEEL PLATED OR BARRICADED WHEN WORK IS NOT IN PROGRESS.
 - THE CONTRACTOR SHALL PROTECT ALL STRUCTURES, ROADS, PIPELINES, TREES, SHRUBBERY, GRASS AREA, ETC. DURING THE PROGRESS OF THE WORK AND SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNUSED MATERIALS. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESTORE THE SITE TO ITS ORIGINAL CONDITION, INCLUDING THE REPLACEMENT AT THE CONTRACTOR'S SOLE EXPENSE OF GRASSED AREAS WHICH HAVE BEEN DAMAGED.
 - EXCEPT AS SPECIFICALLY SHOWN ON THE DRAWINGS, BURIED PIPE SHALL BE INSTALLED WITH 4'-0" MINIMUM COVER OF THE FINAL FINISHED GRADES. ADDITIONAL FITTINGS SHALL BE INSTALLED AS NECESSARY TO MAINTAIN COVER AND TO PROVIDE VERTICAL CLEARANCE BETWEEN THE VARIOUS PIPELINES. PROCESS WASTE PIPING SHALL BE SLOPED TO DRAIN WHERE POSSIBLE. PROCESS WASTE PIPING INCLUDES: FLOCCULATION TANK OVERFLOW/DRAIN PIPING, PLATE SETTLER SLUDGE PIPING, AND GAC BACKWASH WASTE PIPING.
 - DURING FLUSHING AND PRESSURE TESTING OF PIPING, THE GOVERNMENT WILL OPERATE ALL VALVES, INCLUDING THE NEW VALVES INSTALLED ON THE SITE PIPING.
 - WHERE PIPING IS LAID IN FILL OR DISTURBED EARTH AS A RESULT OF EXCAVATION FOR STRUCTURES, BEDDING, AS SHOWN ON DRAWINGS, DESIGNATED IN THE SPECIFICATIONS OR APPROVED COMPACTED MATERIAL SHALL BE PROVIDED AND CARRIED TO UNDISTURBED EARTH.
 - ALL LOCATIONS, DIMENSIONS AND ANGLES OF NEW FACILITIES SHALL BE VERIFIED IN FIELD. MINOR ADJUSTMENTS MAY BE REQUIRED TO AVOID POSSIBLE CONFLICTS WITH EXISTING FACILITIES. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.
 - THE SITE PIPING PLAN INDICATES THE APPROXIMATE LOCATION OF EXISTING PIPING. THE CONTRACTOR SHALL LOCATE ALL EXISTING PIPING BY TEST PIT AND/OR TEST TRENCH IN ORDER TO AVOID POSSIBLE CONFLICTS WITH NEW PIPING. SUCH WORK IS TO BE DONE WELL IN ADVANCE OF THE INSTALLATION OF THE NEW PIPES SO THAT MINOR ADJUSTMENTS CAN BE MADE PRIOR TO THE ACTUAL INSTALLATION OF THE NEW PIPING. THE COST OF ALL TEST PITS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID.
 - REFER TO PROCESS INSTRUMENTATION DRAWINGS AND SPECIFICATIONS FOR PROCESS PIPING MATERIALS OF CONSTRUCTION. ALL DUCTILE IRON SITE PIPING 4" AND LARGER SHALL BE RESTRAINED JOINT PIPE. ALL DUCTILE IRON PIPE FITTINGS 4" AND LARGER SHALL BE MECHANICAL JOINT TYPE WITH MEGA-LUG RETAINER RINGS AS MANUFACTURED BY EBAA IRON.
 - THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WHICH INCLUDE THE EXACT LOCATIONS OF ALL INSTALLED VALVE BOXES AND FITTINGS UPON COMPLETION OF BACKFILL.



PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 21333, EXPIRATION DATE: 09/05/16



Approved:	Approved: Chief, Facilities and Engineering:
	Approved: Associate Chief for Maintenance and Operations, Perry Point:
	Approved: Engineering Projects Supervisor
	Approved: Infection Control Officer

Drawing Title:	Project Title:
SITE PROCESS PIPING PLAN	POTABLE WATER SYSTEM IMPROVEMENTS - TIER 1
Approved: Associate Director for Operations:	Scale: 1" = 20'
Approved: Director, Medical Center:	Building No: 103
	Checked: JMG
	Drawn: IER
	Location: VAMC PERRY POINT, MD 21902

Date:	9/1/2015
Project No:	512A5-13-329
DRAWING NO:	C-011
	11 OF 124

Fully Sprinklered

Additions:	Date:
Revisions:	
ADDENDUM NO. 1	6-14-16

DCS Infrastructure, LLC
 3249 route 112, building 4 suite 1B
 Medford, N.Y. 11763 631-320-1706

100% Bid Documents, September 1, 2015

