

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	46
2. AMENDMENT/MODIFICATION NO. 0003	3. EFFECTIVE DATE 29-Jun-2004	4. REQUISITION/PURCHASE REQ. NO. W16ROE-4068-6489		5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, NEW YORK ATTN:CENAN-CT ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278	CODE W912DS	7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W912DS-04-R-0010	
			X	9B. DATED (SEE ITEM 11) 03-Jun-2004	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE			FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to: 1) Incorporate attendance sheets of the attendees and pre-proposal slides for the pre-proposal conference held on 17 June 2004. 2) Incorporate pre-proposal conference questions and answers. Answers are for informational purposes only. 3) Incorporate a revised bid schedule. 4) Incorporate changes to the specifications sections and Standard Form 1442. The proposal due date remains unchanged, 19 July 2004 at 2:00pm local time. All other terms and conditions remain unchanged as a result of this amendment.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 01-Jul-2004	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 3

NOTE: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation (or as amended) by one of the following methods: In the space provided on the SF 1442, by separate letter, or by telegram, or by signing the block 15 below. FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OF BIDS OR LATE WITHDRAWAL OF BIDS (FAR 14.304)

AMENDMENT NO. 3 TO SPECIFICATIONS ISSUED 2004 FOR WSAAF BARRACKS, FORT DRUM, NEW YORK

TO BIDDER

A. Attached, for information only are the questions submitted by various prospective offerors and the respective answers:

Company Name: Clark Construction

1. Will the initial procurement be limited in any way by the \$49 million funding limit?

ANS: No, it will not be limited by the \$49 million funding limit.

2. Will the 100% Performance and Payment Bonds be for the full amount?

ANS: Yes, the 100% Performance and Payment Bonds must be for the full amount.

3. Can we obtain the AutoCAD or Microstation files of the architectural drawings distributed in the RFP?

ANS: Per Section 00800.7, the government will provide to the contractor the CAD (Computer Aided Drafting) drawing files on electronic disks in Microstation 8.0 format.

4. What deviations (or liberties) will be allowed with regard to the architectural layout (floor plans and theme)?

ANS: No deviations shall be allowed for barracks modules, need to conform to the Fort Drum architectural theme and there will be minimum liberties allowed for the other building floor plans.

5. Can you change the completion deadlines for the water tower and road construction from a specific date to calendar days after Notice To Proceed (NTP)?

ANS: Anticipated NTP date is 15 October 2004. If a delay is the result of the government, an extension will be given. But if the delay is the result of the contractor, an extension will not be given.

6. Is it allowable to bring in a survey crew before the bid?

ANS: Yes. It must be coordinated with NY District personnel at Fort Drum.

7. In the presentation, there was a reference to "betterments". The RFP is not clear as to where the betterments should be included in the technical proposal (i.e. what section). Please clarify.

ANS: Expect to see betterments in Factors 2, 4, or 5. Betterments maybe items that exceed the RFP requirements. Proposing betterments may help offeror exceed evaluation standards, thus may result in a higher rating.

8. The RFP requires that the water tower is completed by June 3, 2005. Depending on the award date, the construction period is limited. Would the government consider a fixed number of days after award to complete the tower?

ANS. The water tower completion date will be revised under this amendment. A fixed number of days will not be provided but a different completion date will be provided. The new completion date will be 30 Oct 05.

9. Section 01312, Quality Control System (QCS), is listed on the Table of Contents but the section was not included. Please provide.

ANS. The section will be added.

10. Section 01330, Submittal Procedures Design/Build Construction, is listed on the Table of Contents but the section was not included. Please provide.

ANS. The section will be added.

11. Section 00110, paragraph 3.2, the requirement for design-build experience refers to work completed by the A/E and GC "as a team."

- a. Should examples include only projects that the A/E and GC worked together on, or are projects completed by one team member also acceptable?
- b. Please confirm that eight total fact sheets are required for Factor 1, rather than eight Design-Build projects and eight Design-Bid-Build projects?

ANS. a. Some consideration will be given based on design/build projects completed by either team member. b. Eight total fact sheets are required.

12. Is any additional information available on the existing water tower to be removed, such as drawings, cut sheets, etc.? Please provide the location of the existing tower.

ANS. Will provide a drawing of the existing tower and location under this amendment.

13. In the RFP, Factor 4, design Team, it specifies SF254 and 255. However, we understand that the Federal Government is switching from the SF254/5 to the SF330 this month. Please confirm which Standard Forms to use.

ANS. Forms SF 354 and SF 255 or SF 330 maybe used under this RFP.

14. Also in Factor 4, Qualifications of the Offeror's Team, we are asked to fill out forms 6.0 Relevant Project Information and 8.0 Key Personnel Resumes. This is information that is also requested in the Standard Forms mentioned in item 13 above. Please confirm that we are to supply this information twice, in these 2 different formats, or if this is an oversight.

ANS. Yes, provide in both.

15. What is the "appropriate" CADD format in which to submit drawings?

ANS. Under section 00800-7a General.

16. Will you consider granting an extension to the July 19 due date?

ANS. No.

17. Can the Design Quality Control Manager (and alternate) listed in Factor 4, be a register architect rather than a professional engineers (registered in the State of New York)?

ANS. Yes. Will correct in 00110, 00800 and 01451.

18. Given that the architectural style of this project is predetermined, can the architectural renderings listed as part of the submittal requirements become part of the winning teams contractual obligations?

ANS. Yes.

19. When does the ACOE anticipate awarding this contract?

ANS. Target award date of 30 Sept 04 and NTP date of 15 Oct 04.

20. Paragraph 10.5.4 of RFP requires dry-type transformers to provide 208/120V system, if 480V system is chosen for a building. Paragraph 10.5.4.4 of RFP requires to feed kitchen equipment form 208V system. Can we install a separate pad mounted transformer with 208/120V secondary, if combined 208/120V load exceeds 30% of building load, or if the size of kitchen equipment load would warrant a separate transformer?

ANS. Fort Drum does not want two transformers feeding a single building. This may be acceptable if the loads warrant this and in allowed by code. Also, the kitchen equipment is mostly gas fired so there should be no need for a separate 208/120V transformer.

21. Based on the scope of information still required, will the Army Corps of Engineers consider delaying the bid date?

ANS: No, not at this time.

22. Per section 01010-8.5.7.2, Hangar COF Heating System Design, the new heating system shall tie into the existing. Please confirm that there is adequate capacity in the existing heating system to accommodate the additions.

ANS: The existing hangar heating systems have adequate capacity to the heat the new COF's as verified by PW.

23. In section 01010-8.1.1, Mechanical-HVAC Design, two code and design manuals are listed but not provided. Please provide COE, Ft. Drum Energy Guide (8.1.1.1) and COE, Ft. Drum EMCS Systems (8.1.1.2).

ANS: Both references will be deleted under this amendment.

24. In section 01010-9.2.2.1 a design document is referenced but not provided. Please provide the Army Technical Letter ETL 1110-3-489.

ANS: This document can be found on the Internet.

25. Per section 01010-9.2.3.1, Domestic Water Heater System, hot water is stored at 60° C, and is delivered to kitchen fixtures at 60° C, laundry equipment at 49° C, and all other plumbing fixtures at 43° C. Does the 60° C storage refer only to the Food Service building, or to the Barracks as well?

ANS: The 60C refers to all storage tanks.

26. Section 01010-3.16.5, Loam and Seed, refers to seeding in accordance with the Ft. Drum standard recommendations of seeding sandy soils. Is this standard entitled Ft. Drum Landscape Criteria, which is in Appendix K? If not, please provide.

ANS: The seed mixture in Appendix K is the Ft Drum standard.

27. In section 3.14.2.6 there is a reference to the basis of design from BDE VMF. Please provide this design information.

ANS: This paragraph will be revised in this amendment to clarify the design requirements.

28. Section 01010 does not address the Multi-purpose Ball Field. Please specify if there are any special requirements.

ANS: The requirements are addressed in this amendment.

29. The fence located along the north edge of Anaconda Road must be removed to re-grade the ditch (sheet C-122). Is this fence to be re-installed or replaced?

ANS: The removal and installation of the fence is covered in a note on drawing C122.

30. Is the Offerer responsible for lighting any existing roadways?

ANS: No, unless it is required under toe RFP.

31. Are the standard UFGS specifications, referenced in section 01010-2.6, available for review prior to bid?

ANS. Yes, they can be found on the Internet.

32. Per section 01010-7.2.2.1, the fire sprinkler system must be designed to meet the RFP requirements without the use of a fire pump. Our design team performed the necessary calculations based on the water supply information provided in the RFP. The location and elevation of the water supply data is not provided but is stated to be taken from the complex area. It was assumed to be at the same elevation as grade for the barracks buildings (not a conservative assumption). The calculation demonstrates that the pressure is about 20 psi lower than necessary to avoid installation of a fire pump. If the new elevated water tank is expected to increase the pressure 20 psi we may be able to avoid a fire pump. However, that tank is located more than 1/2 a mile away. An increase in elevation from the old to the new tank will not be expected to result in a proportional increase in elevation. A detailed calculation of frictional losses and the anticipated water supply pressure and flow after the elevated water tank installation would be warranted.
- a. The 4th floor mechanical room was tested, but the pressure would also be inadequate for the 1st through 3rd floor mechanical rooms.
 - b. Calculations for the dining facility and COFs indicate inadequate pressure for their sprinkler systems as well. The result is the need for multiple fire pumps or for a centralized fire pump with a distribution system (dedicated yard main loop). Either option will entail significant cost. The fire pump would be anticipated to be 750 gpm capacity.
 - c. UFC 3-600-01, Section 3-6.1.2 requires a secondary pump if the water supply is incapable of supporting protection of 25% of the design area. As this will also be the case, a secondary fire pump is also necessary to comply with the UFC.

Based on this information, please provide calculations that confirm that a fire pump is not necessary or provide direction on how to meet the RFP requirements.

ANS: Additional information will be provided in this amendment to help clarify the new requirements and the existing water piping.

33. In section 01010-10, Electrical Design, there is no mention of emergency power generation. Please confirm that there is no emergency power requirement for this project.

ANS: If emergency power is not in the RFP, then it is not required.

34. Appendix G is entitled "Work Plan for Gas Testing And Purging," however, the body of the section contains meeting minutes from a November 6, 2003 meeting. Please verify if this is the correct information for Appendix G.

ANS: The correct "Work Plan for Gas Testing And Purging" will be provided under this amendment.

35. Please provide a wage determination for Boilermakers.

ANS: Unlisted classifications needed for work not included within the scope of the classifications in a contract wage determination may be added after award only as provided in the labor standards contract clauses. The US Department of Labor Department of is the approving authority for any classification added to a wage decision. The SF 1444 is the form used to process the request to DOL. The contractor shall submit a completed form, including all supporting documentation, to the Resident Engineer, who will take the appropriate action.

36. Option D references the removal of an existing water tank and supporting structure. Does the supporting structure include the foundation? If so, please provide detailed information on the foundation including size, reinforcement, etc.

ANS: Yes this includes the foundation. This tank was installed pre 1941 and the foundation information is not available.

37. Is the existing water tank painted with lead paint? If so, must it be remediated prior to removal?

ANS: Existing water tower has lead-based paint on it. Appropriate worker protection is required. See Section 01010, Option D requirements. Remediation should not be required for scrap metal processing.

38. In section 800.4 item b (the second b), does the Government's termination of the Contractor's right to proceed refer to the terms of default, as described in FAR 52.294-10?

ANS: Yes, it refers to FAR 52.249-10, not 52.294-10.

39. What are the design requirements to start the site preparation as described in section 01010-3.5, and for backfilling the existing borrow pit excavation?

ANS: The Accident Prevention Plan and QC Plan are required to start site Preparation. Also, preparatory inspection and all normally related activities are required for this type of work.

40. Per section 01012-8.2, the Government review period for design submittals is stated as both twenty-one and 30 calendar days. Please specify the correct review period.

ANS: The correct review period is 30 calendar days. Will correct in this amendment.

Company Name: BDA/NKB/C&S.

41. Are we required to have on-site water quality/quantity measures per SPDES Permit in accordance with NYSDEC 2003 Manual beyond the standard SWPPC Plan during construction?

ANS: Yes.

42. Seismic values identified in RFP seem to be erroneous, please review and confirm values.

ANS: Will be provided in future amendment.

Company Name: PJ Dick Inc.

43. The slide states \$84 million as the ceiling price. Section 01010 states that the ceiling price is \$86.6 million. Which one is correct?

ANS: \$84 million is the correct target-ceiling price.

44. Liquidated damages are fixed dates. Are they related to the 30 Sep 2004 NTP date? If the NTP date changes, will the completion date shift accordingly?

ANS: The targeted award date is 30 September 2004. The NTP date is 15 October 2004. If a delay to the NTP date is the result of the government, an extension will be given. But if the delay to the NTP date is the result of the contractor, an extension will not be given.

45. Please verify quantity of copies to submit. Solicitation Sheet lists 1 original and 1 copy. The documents read one original and six copies. Should the 1 original and 1 copy requirements apply only to the price proposal?

ANS: The requirement is for 1 original and 6 copies apply to Volumes I and II. The requirement for Volume III is for 1 original and 3 copies. Will correct in this amendment.

46. Please clarify if the government review period for submissions is for 21 days or 30 days? 21 is written in words but 30 is given as a numeral.

ANS: 30 days is correct. This will be corrected in this amendment.

47. We need a clarification regarding what is meant by "100% design complete" as defined by the RFP. Does this mean final approval by the Corps or submission of the 100% drawings to the Corps?

ANS: The 100% design complete is defined as final approval by the Corps.

48. In working on the schedule we have the following questions: Is the end date for the design May 5 or May 16? A different date appears in a least two different spots in the RFP.

ANS: The correct date is May 16. This will be corrected in this amendment.

Company Name: Parsons Brinckerhoff

49. Will you permit precast exterior wall system with brick facing precast as a system?

ANS: The use of exterior precast concrete wall panels layed with brick will be permitted. Thin set brick will not be allowed. CMU block must be used for precast concrete back up.

50. If two firms join together as a Joint Venture (JV), first firm is a HUBZone with 51% and the second one is non-HUBZone with 49%, will the JV qualify as a HUBZone?

ANS: No. To be qualified as a HUBZone joint venture, it must consist of only qualified HUBZone small business concern.

Company Name: Purcell Construction Corp.

51. The solicitation includes residential wage rates. Is this correct?

ANS: Yes, it includes residential wage rates for the barracks and it also includes building rates.

Company Name: Bovis Lend Lease, LMB

52. With the current projects on Fort Drum, anticipated to run concurrently with this new project at the WSAAF, has consideration been given to the lack available man power in the area? If so, has this been incorporated into the 913 day duration of the project?

ANS: The government analysis indicates that the 913 duration period is realistic. It's the contractors responsibility to determine manpower requirements and availability.

53. Are measures in place to ensure that labor wage rates are in unison with other projects on Fort Drum so that migration of labor will not be of concern?

ANS: In construction contracting, the wage rates are those established by the US Department of Labor and which are current at the time of award or time of bid opening. The Corps does not have the authority to hold them constant to prevent migration.

54. It may be essential to bring in labor from distant parts of the state to accommodate the project duration, but it is anticipated that relocation fees could become essential. Are there provisions for this, should this be necessary?

ANS: Federal labor standards do not provide for relocation fees. It's the contractors responsibility to determine manpower requirements and availability.

55. In terms of trade-offs, if materials are used to ensure a better return in long term usage of the building, how extensive may the basis of design be modified?

ANS: The government set the minimum. The rest is the contractor's decision.

56. If the building envelope is designed in a manner to which the Energy Efficiency is maximized, will consideration be given to the elimination of the geothermal wells?

ANS: No, elimination of geothermal wells/heating systems is not the contractor's decision. Geothermal is an option, not the base bid, therefore it may not be awarded depending on funds available. But if geothermal is awarded, maximizing energy efficiency will not eliminate the wells.

Company Name: Beardsley Design

57. Will questions be accepted after June 28, 2004?

ANS: No, questions will not be accepted.

58. In Appendix E, SPiRiT Rating for barracks, 57 points equals gold and for non-barracks, 44 points equals silver. Per Section 00110, 3.3 Factor 2, a minimum of gold rating for barracks and a minimum of bronze rating for non-barracks. Please clarify required rating for non-barracks.

ANS: Required rating for non-barracks building is silver. This will be corrected in Section 00110.

59. What circumstances will lead to a postponement of bid date?

ANS: The proposal due date will only be extended if there are errors in the solicitation and additional time is required for the government to make corrections and issue an amendment and for offerors to incorporate the changes into their proposal.

60. During discussions after proposals, will all factors be discussed or just those that are unsatisfactory?

ANS: If discussions are held, they will focus on those critical areas of a contractor's proposal, which are marginal or unsatisfactory.

61. Please provide any known tank manufacturers that are believed can achieve stated delivery schedule.

ANS: The delivery schedule will be changes under this amendment.

62. Is Government review period twenty one or (30) days? Please confirm also time is calendar days, not working days.

ANS: (30) days is correct for review period. Time is in calendar days.

63. Solicitation Form Item 0004 "final 10% Construction Completion" - does this refer to final 10% of time or cost? Why would this item not be just 10% of proposal amount?

ANS: This refers to the final 10% of cost for the construction of the project. Item 0004 will be changes and a value given by the government.

64. Solicitation Form Item 0005 Geothermal – Is there any consideration of energy savings that will result from geothermal – should information regarding the advantages of geothermal be included with proposal?

ANS: Spirit points, cost savings and the geothermal method proposed for implementation will be evaluated. Should provide advantages of geothermal in proposal for the type of system you are proposing.

65. Section 00800 the design completion date is stated as 5/5/05.

ANS: The correct date is 5/16/05. This will be changed in the amendment.

66. Section 00110 the design completion date is stated as 5/16/05.

ANS: This is the correct date.

67. Both of the above (41 and 42) are effected by award date – is it correct to assume an award within 60 days of submission due date (7/19/04) – if due date is postponed will design completion date be adjusted accordingly?

ANS: The NTP date is scheduled for 15 Oct 04. If a delay to the NTP date is the result of the government, an extension will be given. But if the delay to the NTP date is the result of the contractor, an extension will not be given.

68. Section 00110 - ITR Team; if different design teams are proposed for portions of the work (eg buildings), can one team check the work of the other?

ANS: Yes.

69. Section 00110 – Is there any stated weighting of Selection Factors?

ANS: Descending Order as listed.

70. Section 00110 Factor 2 and 01010.3.17.20.1 - Water Tower 90% stamped drawings - we are advised by a leading tank manufacturer that the stated requirement for completed drawings with the proposal is not realistic, that they will only do such work with an awarded contact. Please review requirement and clarify what is desired. Note that 01010.3.17.20.1 asked for "bid sketches" which is more reasonable.

ANS: The 90% NYS stamped drawings are required. Section 01010.3.17.20.1 will be corrected in this amendment.

71. Section 00110 Factor 3 – Please clarify the desired content of renderings - are they to be "artistic" or more detailed with notes? Could the requested "description" be on an attachment? What perspective is desired (ground level or elevated)?

ANS: Artistic is required, attachment with description is recommended the perspective shall be an elevation.

72. Section 00110 Factor 4 – Alt DQCM - can this person have other duties?

ANS: Not while actually acting as the DQCM.

73. Section 00110 Factor 5 – Water Tower schedule - we are advised by a leading tank manufacturer that the stated timeline is not realistic. They advise that due to current steel delivery, required fabrication time, and erection/painting/commissioning time that a much greater time period will be required. Please reconsider the stated schedule and advise if any tank manufacturers are known that can meet stated schedule.

ANS: The schedule for the water tower will be changed under this amendment.

74. Section 01012 paragraph 1.4f – It appears the text ref. latches here belongs in 01010.

ANS: Will correct in this amendment.

75. Section 01012 paragraph 1.4g – no text included.

ANS: Will correct in this amendment.

76. Section 01012 paragraph 2.0 – Designer of Record – can there be two Designers of Record for different work areas?

ANS: Yes.

77. Section 01012 paragraph 8.6 – Assume reference is to 2004-2005 Holiday period.

ANS: Will correct in this amendment.

78. Section 01012 paragraph 9.3 – Can all calculations be in US customary units?

ANS: This paragraph only allows civil design (storm water, sanitary sewer, water, etc.) and all others are still required to be in metric.

79. Section 01012 paragraph 9.3 – Is hard metric Construction Documents absolutely required? Can "soft metric" dual dimensioned documents be provided?

ANS: Soft metric is acceptable.

80. Can the LS3P Drawings be provided electronically now to assist Offerors with proposal preparation?

ANS: Government will provide these drawings in this amendment.

81. Section 01010 Paragraph 3.17 Are there any requirements for electric service and lighting within Water tank and drywell?

ANS: Yes, the requirements are under paragraphs 3.17.4.15.12 and .13.

82. Section 01010 paragraph 3.17 Are there any requirements for electric service and lighting within Water tank and drywell?

ANS: Yes, this requirement is under paragraph 3.17.4.15.12 and 13.

83. Section 01010 paragraph 3.17.6 Please provide and FDPW standards regarding water tank painting.

ANS: All standards are covered under this RFP. There are no additional FDPW standards. Will delete reference to FDPW in this amendment.

84. Section 01010 paragraph 3.17.6 Construction Equipment for the tank: During the construction operations the temporary construction equipment will extend approximately 30' (9.15M) above El. 265.843M. Please advise if this will be acceptable by the FAA.

ANS: This is acceptable during working hours only and will require coordination with the airfield operations. There may be times during the work day that the construction equipment will have to be lowered. During off hours the construction equipment may be required to be lowered if directed by the airfield operations office.

85. Section 01010 paragraph 3.17.7 Please provide and FDPW standards regarding water tank disinfection.

ANS: Fort Drum does not have any additional requirements. Refer to NYSDOH standards and specifications. Will delete reference to FDPW in this amendment.

86. Section 01010 paragraph 3.17.19 Please provide and FDPW standards regarding water tank corrosion protection.

ANS: Fort Drum does not have any additional requirements. Refer to specification requirements. Will delete reference to FDPW in this amendment.

87. Section 01010 paragraph 3.17.19 Corrosion Allowance: Per the AWWA D-100 code the corrosion allowance must be specified by the purchaser. Please advise on Fort Drum Public Works requirements for corrosion allowance.

ANS: Purchaser has not additional requirements above industry standards.

88. Appendix D Geotech Report Water Tower Site Plan indicates two borings at tank location - are these included in the RFP or otherwise available?

ANS: Yes. Appendix D "Geotechnical Report" has a sub-appendix labeled Appendix B "Field Operations". Borings are the last 2 pages within this sub-appendix WT-1 and WT-2.

Company Name: Walsh Construction

89. Has the government done an initial pass-on the SPiRiT score sheet? Can it be made available to bidders? Some of the points involve decisions/operations pertinent to the site/base that bidders may not have knowledge of.

ANS: Yes, it is in Appendix E.

Company Name: Poole Enterprises

90. What is the HUBZone miles or address determination?

ANS: A small business must have a principal office, as defined by Small Business Administration (SBA), in a designated HUBZone and must generally draw a portion of its workforce from these areas. To qualify for the program, a company must meet the following standards:

- i. It must be a small business by SBA size standards.
- ii. It must be owned and controlled by one or more US citizens (other exceptions for Native Americans)
- iii. Its principal office (defined as the location where the greatest number of employees work) must be located in a HUBZone.
- iv. At least 35% of its employees must reside in any area designated as a HUBZone.

91. What is the project completion date?

ANS: 913 days after NTP.

92. Can an award be made above the target price?

ANS: Yes, but only if additional funding and higher level approval are received. There is no guarantee that either will be received.

Company Name: Bell

93. Please confirm that the US Army Corps of Engineers will accept a design/build program for the barracks utilizing concrete wall and floor construction in lieu of masonry wall and concrete floor construction as specified in section 6.8.1 "Superstructure System". Confirm the option to permit

the fabrication, pre-assembling and finishing of precast concrete monolithic building systems and components on and off site as shown on Volume 2 – Barrack drawings.

ANS: The option to permit the fabrication, pre-assembling and finishing of precast concrete monolithic building systems and components on and off site for the barracks is not allowed. See text in amendment 1 for section 01010-63, Section 6.8.1.

Company Name: Paul Trent

94. We were requested to submit a proposal for the food service equipment for the Ft Drum project from a construction company here in Chicago area. I received the kitchen floor plans and only kitchen equipment cut sheet booklet. Are there any written specifications available to bid from?

ANS: No, this is a design/build project and there are no specifications on the equipment, except for what is in the solicitation.

B. Make the Following Changes in the Specifications.

Standard Form SF1442 Section 10 Add: Contract Specialist: Shaukat Syed (212) 264-6707, email shaukat.m.syed@usace.army.mil

Standard Form SF1442 Section 10 Delete: Principal Manager: Jeff Crowley, (315) 772-1567 **Add:** Principal Manager: Edward R. Sim, (315) 772-4106, email edward.r.sim@usace.army.mil

Standard Form SF1442 Section 13A Change sentence to read: “Sealed offers in original and six (6) copies to perform the work required are due at the place specified in Item 8 by 02:00 pm (hours) local time 19 July 2004 (date).”

Section 00110, 1.2 Delete sentence: “The target price for the contract award for design and construction is \$86,600,000 for this project.” **Add sentence:** “The target price for the contract award for design and construction is \$84,000,000 for this project.”

Section 00110, 1.5 Change sentence to read: “The written portion of the proposal (Volume I – Technical Proposal), however shall not exceed 250 pages.”

Section 00110, 3.3 Factor 2 – Proposed Engineering Systems, First Bullet, Change to read: “Based upon the Sustainable Project Rating Tool (SPiRiT) provide a completed score sheet for each building and a description of the Offeror’s plan to achieve a minimum of gold rating for the barracks and a minimum of silver for all remaining buildings except the Hanger COFs.”

Section 00110, 3.3 Factor 2 – Proposed Engineering Systems, Second Bullet, Change to read: “Submit site specific 90% plans and specification for the design of the water tower. Plans shall have a note “Not for Construction” but shall be stamped by a New York State licensed Professional Engineer. Plans should include elevations, foundation plan, utility plan, grading plan, and lighting plan. Included in the submission shall be the manufacturer’s proposed delivery and schedule showing completion not later than 30 October 2005.”

Section 00110, 3.5 Factor 4, Design Quality Control Manager, (2), Change sentence to read: “Hold a current state Professional Engineer’s license or be a Registered Architect.”

Section 00110, 3.5 Factor 4, Design Team Leader. (3) Change sentence to read: “For all projects the PE/A must be a New York State registered professional.”

Section 00110, 3.5 Factor 4, Design Team: Change sentence to read: “The Offeror shall submit this information regarding their design team by providing all the information requested on STD forms SF 254 and SF 255 or SF330 and the information listed below.”

Section 00110, 3.5 Factor 5, Performance Schedule, b, Change sentence to read: “b. Proposed Water Tower delivery and erection schedule demonstrating completion no later than 30 October 2005.”

Section 00120, 1.2.2, Add the following sentence: “The technical merits of the proposal are significantly more important than price”.

Section 00800.1, a, Add the following sentence: “The completion date for the Water Tower is 30 October 2005.”

Section 00800.1, d, Change sentence to read: “The project include two three story junior enlisted barracks (240 rooms each for a total of 480 rooms) with integrated soldier community facilities, one brigade headquarters, three medium battalion headquarters with classrooms, a dining facility (251-500 PIN), fourteen company operation facilities (5 medium, 9 small that are hanger additions), troop aid

station, and a multi-purpose ball field. Three hanger COFs will be constructed for the 1/10 battalion at building 2072, four for the 2/10 at building 2060, and two for the 3/17 at building 2074.”

Section 00800.4 LIQUIDATED DAMAGES – CONSTRUCTION, a. Change to read: “a. If the Contractor fails to have the water tower erected and operational by 30 October 2005, or any extension, the Contractor shall pay the Government \$80,000.00 and \$2,145.00 for each day of delay thereafter. The targeted award date is 30 September 2004. The targeted Notice to Proceed (NTP) date is 15 October 2004. If a delay to the NTP date is the result of the Government, an extension will be given. But if the delay to the NTP date is the result of the contractor, an extension will not be given. The Contractor shall submit 100% final design of water tower sixty (60) calendar days after Notice to Proceed is issued. If the Contractor fails to have Anaconda Road completed by 3 June 2005, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$2,145.00 for each day of the delay. If the Contractor fails to complete the remainder of the work within the time specified in the contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$29,985.00 for each day of delay.”

Section 00800.4 LIQUIDATED DAMAGES – CONSTRUCTION, b. Change to read: “b. If the Contractor fails to have the design completed by 16 May 2005, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$2,145.00 for each day of the delay.”

Section 00800.13, Change to read:

Hardware:

(3) Personal Computers (LAPTOP)

- Pentium IV processor running at 2.4 GHz or better
- High speed cache memory controller with at least 512 KB L2 PIPELINE BURST CACHE
- At least 55MB SDRAM
- (1) 3.5" 1.44 MB diskette drive with hard drive controller
- 40 GB hard drive with access time of 9 ms
- Sound card WI SPEAKERS
- Enhanced 101 keyboard
- 6 outlet surge protector
- 17" LCD Flat Panel SVGA high resolution COLOR monitor or better with refresh rate 75Hz or better and 8Mb Color Graphics
- 3 Button ergonomic mouse and mouse pad
- Modem V.90 or V.92 56KB Baud (U.S. Robotics or equal) and 10/100MB 3COM Net Card (Network Connection)
- Internal DVD ROM 16X and CD-RW (Read-Write) Drive 24X
- Microsoft Windows 2000 Professional or XP Operating System
- Diamond Viper V770D Video Card
- DSL/Cable Router with 4 port DLink, LINKSYS or equal, 802.11G

Contractor shall submit a waiver letter stating permission for qualified COE personnel (IMO only) to work on the computer. This includes program installation and software troubleshooting.”

Section 00800.13, Add after “Scanner” and before “Printer”:

“Digital Camera: 3 Mega pixels or greater, 128 memory sticks, optical zoom >3, all glass optics (Canon or equal)”

Section 00800.39, Design Quality Control Manager, (2), Change sentence to read: “Hold a current state Professional Engineer’s license or be a Registered Architect.”

Section 00800.39, Design Team Leader, (3), Change sentence to read:

“For all projects the PE/A must be a New York State registered professional.”

Section 00800.39, Design Team, Change sentence to read: “The Offeror shall submit this information regarding their design team by providing all the information request on STD forms SF254 and SF 255 or SF330 and the information listed below.”

Section 01010, 1.1, Scope of Work, Change sentence to read: “The complex includes two 240 pn Barracks buildings, five company operations facilities, nine hangar company operations facilities, three battalion headquarters with classrooms, a brigade headquarters, troop aid station, and a dining facility.”

Section 01010, 1.2, Applicable Criteria, Add after last sentence: “Requirements of this Section 01010 shall be deemed the controlling authority of any changes to the other referenced documents and criteria. The COE Guide Specifications shall be used to provide all details not stated in this RFP, but in no way to a lower standard than stated in the 01010 Section.”

Section 01010, 1.5 Energy and Resources Conserving Features, Change sentence to read: “Sustainable design criteria shall be followed to achieve a minimum rating of “gold” for the barracks and “silver” for non-barracks facilities per Sustainable Project Rating Tool (SPiRiT) in ETL 110-3-491.”

Section 01010, 2.1, Standards, Documents, and Criteria, Add after last sentence of first paragraph: The COE Guide Specifications shall be used to provide all details not stated in this RFP, but in no way to a lower standard than stated in the 01010 Section.”

Section 01010, 2.5 Drawings, Change sentence to read: “Microstation Version 8.0 drawings (.dgn format) will be available to the successful bidder.”

Section 01010, 3.13.7 Delete paragraph. Replace with: “Multi-Purpose Ball Field Site: The new multi-purpose ball field backstop will be located parallel to the existing landfill fence. Backstop Configuration will be 16 feet vertical height by 48 feet long consisting of three 16 foot sections with each end section set at 45 degrees inward to the middle section. The top vertical 4 feet of the backstop shall slope in 7 feet and be secured by half inch diameter truss rods. Chain-Link fence fabric shall be PVC coated, 9 gage per ASTM F668 (the middle fence section shall be 6 gage), class 2b coating that is thermally fused and adhered onto the 9 gage galvanized steel wire. Metallic coating shall be zinc and color shall be black vinyl complying with ASTM F934. Mesh and wire size shall be 2-inch mesh, 0.192 inch diameter. Post for backstop shall be 3 inch O.D. weighting 5.75#/ lf as a minimum. Top, intermediate, and bottom rails shall be 1 5/8 inch O.D. weighting 2.27 #/ lf as a minimum. Fence post shall be set in 12-inch diameter concrete 5 feet deep. Orientation was provided by Fort Drum Public Works Department. The ball field will be graded to provide positive drainage for the field. (See grading drawings for overall drainage concept). Field sizes shall be in accordance to drawings and of regulation size.

Section 01010, 3.14.2.6. Delete paragraph. Replace with: “Water System Pressures: The water distribution system currently being installed was designed to provide adequate capacity to handle the additional demand anticipated for this project. The new water tower to be constructed under this project shall have a minimum fire reserve elevation of at least 253.346 meters (See Appendix M). A 16” line from the new water tower to the existing 16” line will be required as shown on drawing C-138. The existing 16” water supply line runs from the area of the new water tower across the airfield to along Anaconda Road (labeled Water VMF project on C-138 Elevated Water Storage Tank Site Plan). At the project site (barracks, dining facility, etc.), the lateral supply line(s) from the Anaconda Road 16” water supply line shall also be a minimum of 16”. Contractor to size domestic water lines and fire protection system based on this information.

Section 01010, 3.17.4.15.13, Change sentence to read: “Room shall be insulated with R-20 insulation and shall have a forced hot air electric heater.”

Section 01010, 3.17.6 Painting, Change sentence to read: “All interior and exterior tank painting shall be performed according to manufacturer specifications, New York State Department of Health, and FAA requirements.” (Delete reference to Fort Drum Public Works)

Section 01010, 3.17.7. Disinfection, Change sentence to read: “Disinfections and testing of tank shall be performed according to AWWA C652 standard and New York State Department of Health requirements.” (Delete reference to Fort Drum Public Works)

Section 01010, 3.17.19. Corrosion Allowance, Change sentence to read: “Corrosion allowance shall be per AWWA D100 and New York State Department of Health requirements.” (Delete reference to FAA and Fort Drum Public Works.) Fort Drum has no additional corrosion allowance requirement above current industry standards.”

Section 01010, 3.17.20.1. Delete first bullet, Replace with: “Submit site specific 90% plans and specifications for the design of the water tower. Plans shall have a note “Not for Construction”, but shall be stamped by a New York State Professional Engineer. Plans should include elevations, foundation plan, utility plan, grading plan, and lighting plan. Included in the submission shall be the manufacturer’s proposed delivery and schedule showing completion not later than 30 October 2005.”

Section 01010, 5.10.7.1. Service Areas In Living Units and Coffee/Break Areas, Delete paragraph and substitute this paragraph: “Provide manufactured unitized kitchen; or provide architectural full height wall cabinets complying with AWI Quality Standards, Section 400, Custom Grade cabinets with high-pressure laminate finish, meeting NEMA LD3 Standards. Horizontal laminate: nominal 1.25mm thick; vertical laminate: nominal 0.7 mm thick. Door and drawer edges shall be heavy-duty 3mm extruded polyvinyl chloride with self-locking serrated tongue. All plastic laminate countertops and work surfaces shall be of high pressure laminated plastic, with heat resistive adhesive, fully formed with a continuous sheet of plastic. Where countertop abuts wall, provide end splash of material and thickness to match backsplash.”

Section 01010, 5.10.7.5. Other casework, Delete sentence: “Work surfaces and counter shall be high-pressure decorative laminate, or solid surfacing material.” **Replace with:** All plastic laminate countertops and work surfaces shall be of high pressure laminated plastic, with heat resistive adhesive, fully formed with a continuous sheet of plastic.”

Section 01010, 5.12.4.6. Panic devices, Change sentence to read: “Shall comply with ANSI A156.3 Type 1, Type 6 or 8, Grade 1, Accessibility Code A117.1, NFPA 101 Fire Safety, NFPA 80 Life Safety and ULC-ULC10C Positive Pressure.”

Section 01010, 5.12.5.2. Change sentence to read: “Finish shall be per Fort Drum Architectural Compatibility standards.” (Delete reference to bronze anodized.)

Section 01010, 6.8.1. Delete sentence “The use of load bearing exterior pre-stressed recast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.8.2. Delete sentence “The use of load bearing exterior prestressed precast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.8.3. Delete sentence “The use of load bearing exterior prestressed precast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.8.4. Delete sentence “The use of load bearing exterior prestressed precast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.8.5. Delete sentence “The use of load bearing exterior prestressed precast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.8.6. Delete sentence “The use of load bearing exterior prestressed precast concrete panel wall systems will be permitted.” **Replace with:** “The use of exterior precast concrete wall panels inlaid with brick will be permitted for building exterior. Thinset brick will not be allowed. CMU block must be used for precast concrete back-up.”

Section 01010, 6.9.2.6. Minimum Reinforcement, Change sentence to read: “All masonry walls shall be reinforced as specified in TI 809-2 and as required to meet the most severe loading imposed by seismic forces and/or wind forces.” (Delete reference to UFC 4-010-01.)

Section 01010, 7.2.2.1 Delete paragraph. Replace with: “The successful proposer shall hydraulically design the sprinkler system to the appropriate density requirements as stated in letters a-c in 7.2.2.4 below without the need for a fire pump. There shall be no fire pump installed in this complex. The project site shall be supplied (fed) from the new water tank (1,000,000 gallon) constructed under this project. Supply lines are sized a minimum of 16”. New water tower to be constructed under this project shall have a minimum fire reserve elevation of at least 253.346 meters (See Appendix M). Ground elevation of water tower is approximately 205.81 meters. See C-121 and C-122 Site Grading and Drainage Plan for finish floor elevations of the facilities.”

Section 01010, 8.1.1. Delete this reference.

Section 01010, 8.1.2. Delete this reference.

Section 01010, Option A – Geothermal, Add after 5): “6) Domestic hot water system is not to be part of the geothermal system.”

Section 01010, Option D – Decommission Existing Airfield Water Tower, General, Add after last sentence: “Sequence of work shall be decommissioning of existing airfield water tower after commissioning and full operation of newly constructed water tower.”

Section 01010, Option D – Decommission Existing Airfield Water Tower, Add after last section: “Reference, Appendix L – Existing Water Tower As-Built, Nov 17, 1941 and Planned Water Tower Drawing.”

Section 01010, Option E – Water Treatment Plant, fourth paragraph, Delete sentence: “An on-site septic system appropriately sized for anticipated use of plant operator and incidentals shall be installed.” **Replace with:** “Septic system shall be installed and connected to nearest sanitary sewer connection either at the MATES building or Central Vehicle Wash Rack.”

Section 01012,1.4.c. Change sentence to read: “As part of the proposal the Contractor will submit 90% site specific plans and specifications for the water tower. Within fifteen calendar days of receipt of Notice to Proceed, the Contractor will begin final design of the water tower plans and specifications. Within sixty (60) calendar days of receipt of Notice to Proceed, the Contractor will complete 100% design of the water tower. Also within fifteen days of receipt of a Notice to Proceed, the Contractor will begin final design of Anaconda Road. Only 95% and 100% design submissions are required for these packages when submitted separately from the remainder of the design. This work shall meet all review requirements and all other contract requirements. The Contractor will be required to complete the construction of the water tower no later than 30 October 2005 without liquidated damages described in Section 00800 being incurred.”

Section 01012,1.4.f. Delete entire section. Replace with: “f. The final design for all remaining facilities not previously submitted must be completed not later than 16 May 2005.”

Section 01012,1.4.g. Delete “g”

Section 01012, 8.2. Delete first sentence and replace with: “After receipt, the Government will be allowed thirty (30) calendar days to review and comment on the 75% design submittal, thirty (30) calendar days to review and comment on the 95% design submittal, and thirty (30) days to review and comment on the 100% design.”

Section 01012, 8.6. Delete first sentence and replace with: “Review of submittals will not occur during period of December 22, 2004 through January 5, 2005.”

Add Section 01312, in its entirety. Specification attached

Add Section 01330, in its entirety. Specification attached.

Section 01451, 3.2.2.2, Design Quality Control Manager (2) Change sentence to read: “Hold a current Professional Engineer’s license or be a Registered Architect.”

Section 01451, 3.2.2.5 Design Team Leader. (3) Change sentence to read:
“For all projects the PE/A must be a New York State registered professional.”

Delete Appendix G, text. Replace with:

APPENDIX G

**Reference Standards: AGA, Purging Principles and Practice, 2001
 NMPC – Gas Standards**

SAFETY OVERVIEW

The Fort Drum Fire Department will be notified within 24 hrs of the exact time the purging process is to start and when work has been completed. The Contractor shall ensure that all ignition sources (see chart 1.6) are removed or controlled prior to commencing work. All insertion points, purge stacks, valve keys, and miscellaneous hand tools will be statically grounded using a uncoated wire trailer and ground rod.

Although plastic piping is not a conductor of electricity, it is susceptible to static charges that may be collected by the piping as a result of handling, or from internal friction and turbulence with the piping. Whenever a charged pipe is placed in contact with a foreign object, it is possible to discharge in the form of a spark. For this reason, it is most important to provide a ground path for these charges whenever making repairs, tie-ins or handling pipe in situations where live gas may be present. Static grounding must be employed whenever handling plastic piping in an environment containing natural gas or other potentially explosive mixtures. NMPC Gas Standard 35.1 has been utilized for guidance. All tools must be grounded; this includes the purge stack and any squeeze-off tools being used.

The Contractor shall maintain at least two ten pound ABC type fire extinguishers at each insertion/expulsion location while purge activities are ongoing. Barricades and warning signs shall be posted to isolate the work areas. All valves are new and in perfect working condition. All valves supplying building meter pads and future capped tie-in points will be locked out of service in the closed position via a lockable valve cover and tag out procedures.

There are no confined spaces associated with the commissioning of the gas distribution system. Each expulsion point will be vented to the atmosphere.

PRE-ENGERIZE CHECK LIST

All piping has been pressure tested at 70 PSI and each section of 12" main has been cleared with a neoprene pig.

Fort Drum Public Works has been notified of purge.

Fort Drum Fire Department has been notified of purge.

Take precautions to control static electricity.

Review sketch of purge with all involved personnel.

Assure all tools and equipment (air sensor, gas meter, fire extinguishers, signage grounding, etc.) are properly positioned at all purge points prior to operation. See attached product literature for testing instruments.

Radio communication will be established from all purge points prior to operation. Check all communication equipment for fully charged batteries.

A means of stopping flow will be provided at existing source tie, all purge locations, and at all numbered locations on attached sketches.

Verify that Fort Drum Public Works is prepared to unlock the existing insertion point and lock out all test point risers and future services valves upon completion of the purge.

A gauge will be installed on the supplying main to monitor pressure.

EXAMPLE PURGE PLAN PURGE ZONE ONE

Step 1. At tie-in point on north thank trail downstream of last main line valve, the 1 ½ " test point riser valve will be opened slowly until fully open to ensure the tie-in stub is un-pressurized. At this point, the section of the pipe will be tested confirm no gas residual is present and static fluid and or static cloth will be applied, thus allowing for the removal of the 12" cap and tie-in between new and existing mains via electro fuse coupling. Soap bubble-test the tie-in coupling under supply gas pressure upon completion of the first section.

Step 2. Install purge stack at expulsion point #1. Open the shut off valve and check for any signs of natural gas in piping. Install purge stack at expulsion point #2 and follow the same procedure explained above.

Step 3. Install insertion manifold at insertion point #1. Open shut off valve and check for any signs of natural gas in pipe.

Step 4. Maintain closure at valves #1, #4, GC-13, and all unused test point riser valves to ensure isolation of zone one piping. Verify valves #2 and #3 are open.

Step 5. Make radio contact with personnel manning the expulsion points and advise them that the inert gas is being introduced to the pipeline. Introduce the nitrogen at insertion point #1. Monitor expulsion point #1 and close off when oxygen level falls to a satisfactory level per AGA Table 2-4 (target is 4% min.). Continue nitrogen purging to expulsion point #2. Monitor expulsion point #2 and close off when the oxygen level falls to a satisfactory level per AGA Table 2-4 (target is 4% min.). Drop back to GC-13 and open the valve momentarily to evacuate any air in the short stub. Nitrogen insertion pressures and desired injection rates may vary between the ranges indicated on Table 5-3. A manifold pressure of 45 psig will provide an injection rate of 1350 cu ft per minute through 50 lf of 2" hose.

Step 6. Radio contact will again be established and the expulsion point personnel will be notified that the inert agent will be propelled by natural gas. At this point, expulsion point #2 will be closed and expulsion point #1 will remain open. Natural gas will be supplied by slowly but fully opening existing 12" valve #1. A gauge upstream of valve #1 will be monitored to ensure existing pressures are maintained. Once the discharge at expulsion point #1 has been tested to a minimum of 95% gas, expulsion point #1 will be closed and expulsion point #2 opened thus allowing that section of main to be energized with natural gas. Once expulsion point #2 has verified they have a minimum of 95% natural gas the expulsion point will be closed. Future connection GS-13 will then be opened momentarily to purge out the inert gas between main and valve (about 2 ft of pipe). All attendees will be notified that zone #1 purge is complete.

Step 7. After future tie-in point GC-13 has been purged with gas and the valve closed it will be allowed to naturally ventilate. The Contractor will then test the end section with the gas detector to certify that there is no gas present. After applying static fluid or utilizing static cloth the end cap will be butt fused to the stub end, which then will be backfilled and marked.

Step 8. Close valve #2. The short stub North of valve #2 should then be allowed to ventilate before locking out. Fort Drum Public Works will then lock out all the remaining test point risers on Purge #1. The final position of valves should have #1 open, #2 closed, #3 open and #4 closed in preparation for the next purging sequence.

Insert, Appendix L Existing Water Tower As-Built, Nov 17, 1941 and Planned Water Tower Drawing. (See attached drawing)

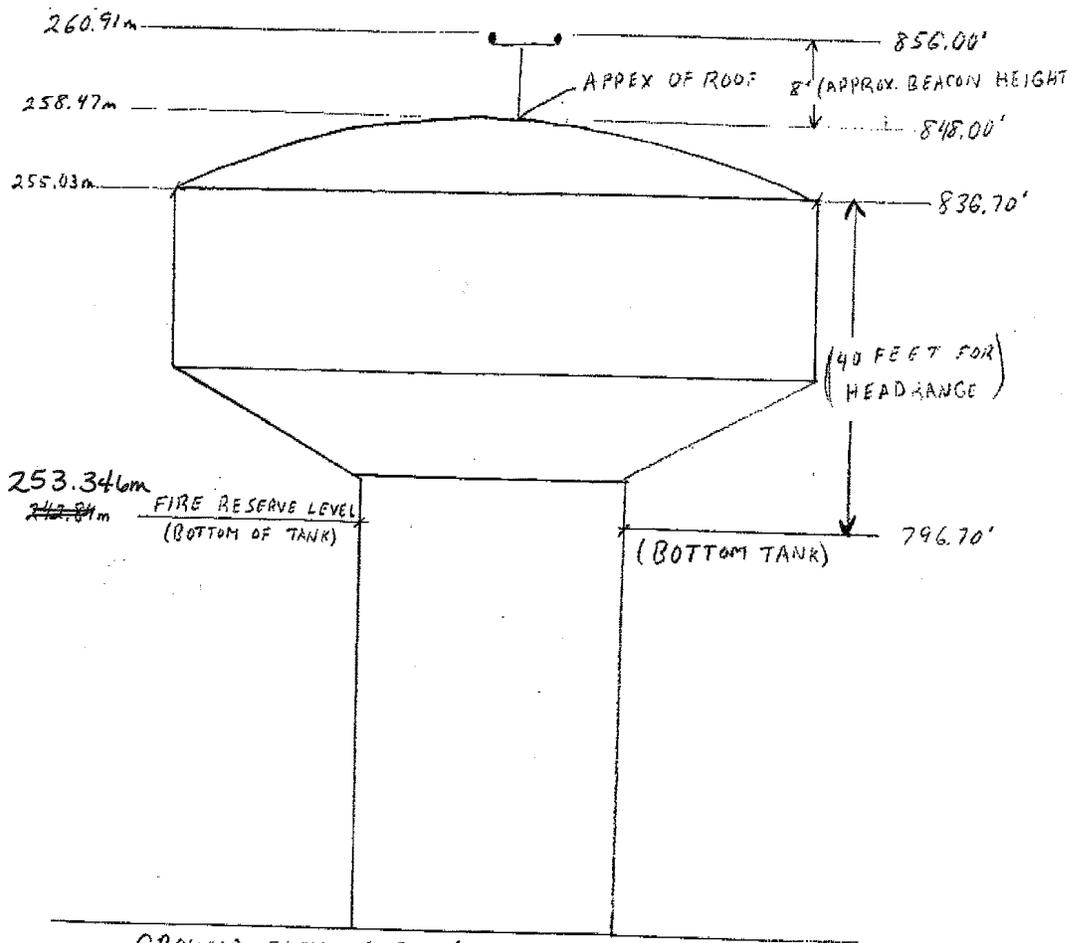
Insert, Appendix M Calculation Sheet for Proposed Water Tower.

Consulting Civil Engineer _____

ITEM WATER TOWER (SKETCH 2)

CALCULATION SHEET

CLIENT FORT DRUM LOCATION FORT DRUM, NY JOB NO. _____
 SUBJECT SKETCH 2 DATE 1/21/04 PREPARED BY BEW
 DEPT _____ CHECKED BY _____



BOTTOM OF TANK FIRE RESERVE LEVEL
 BASED ON TOP OF BEACON & ANTENNA (TOP=856 FE)

APPENDIX M

SECTION 01312

QUALITY CONTROL SYSTEM (QCS)

(NYD Version 09/01)

1.0 GENERAL

The Government will use the Resident Management System for Windows (RMS) to assist in its monitoring and administration of this contract. The Contractor shall use the Government-furnished Construction Contractor Module of RMS, referred to as QCS, to record, maintain, and submit various information throughout the contract period. This joint Government-Contractor use of RMS and QCS will facilitate electronic exchange of information and overall management of the contract. QCS provides the means for the Contractor to input, track, and electronically share information with the Government in the following areas:

- Administration
- Finances
- Quality Control
- Submittal Monitoring
- Scheduling
- Import/Export of Data

1.1 Correspondence and Electronic Communications

For ease and speed of communications, both Government and Contractor will, to the maximum extent feasible, exchange correspondence and other documents in electronic format. Correspondence, pay requests and other documents comprising the official contract record shall also be provided in paper format, with signatures and dates where necessary. Paper documents will govern, in the event of discrepancy with the electronic version.

1.2 Other Factors

Particular attention is directed to Section 00700 Contract Clauses Paragraph, "Schedules for Construction Contracts", and "Payments", Section 01320, "Project Schedule", Section 01330, SUBMITTAL PROCEDURES, and Section 01451, CONTRACTOR QUALITY CONTROL, which have a direct relationship to the reporting to be accomplished through QCS. Also, there is no separate payment for establishing and maintaining the QCS database; all costs associated therewith shall be included in the contract pricing for the work.

2.0 QCS SOFTWARE

QCS is a Windows-based program that can be run on a stand-alone personal computer or on a network. The Contractor shall be responsible after award of the

construction contract to download the QCS software and User Manual from the Government's RMS Internet website ('<http://winrms.usace.army.mil>'). Prior to the Pre-Construction Conference, the Contractor shall be responsible to download, install and use the latest version of the QCS software from the Government's RMS Internet Website. Any program updates of QCS will be made available to the Contractor via the Government RMS website as they become available.

3.0 SYSTEM REQUIREMENTS

The following listed hardware and software is the minimum system configuration that the Contractor shall have to run QCS:

Hardware

IBM-compatible PC with 200 MHz Pentium or higher processor
64+ MB RAM

4 GB hard drive disk space for sole use by the QCS system

3 ½ inch high-density floppy drive

Compact disk (CD) Reader

Color monitor

Laser printer compatible with HP Laserjet III or better, with minimum 4 MB installed memory.

Connection to the Internet, minimum 28 BPS.

Software

MS windows 95 or newer version operating system (MS windows NT 4.0 or newer is recommended)

Word Processing software- MS Word 97 or newer

Internet browser

The Contractor's computer system shall be protected by virus protection software that is regularly upgraded with all issued manufacturer's updates throughout the life of the contract.

Electronic mail (E-mail) compatible with MS outlook

4.0 RELATED INFORMATION

4.1 QCS User Guide

After contract award, the Contractor shall download the program and manual for the installation and use of QCS from the Government RMS Internet Website ('http://winrms.usace.army.mil').

5.0 CONTRACT DATABASE

Prior to the pre-construction conference, the Government shall provide the Contractor with basic contract award data to use for QCS. The Government will provide data updates to the Contractor as needed, generally by files attached to E-mail. These updates will generally consist of submittal reviews, correspondence status, QA comments, and other administrative and QA data.

6.0 DATABASE MAINTENANCE

The Contractor shall establish, maintain, and update data for the contract in the QCS database throughout the duration of the contract. The Contractor shall establish and maintain the QCS database at the Contractor's site office. Data updates to the Government shall be submitted by E-mail with file attachments, e.g., daily reports, schedule updates, payment requests. If permitted by the Contracting Officer, a data diskette or CD-ROM may be used instead of E-mail (see Paragraph DATA SUBMISSION VIA COMPUTER DISKETTE OR CD-ROM). The QCS database typically shall include current data on the following items:

6.1 Administration

6.1.1 Contractor Information

The database shall contain the Contractor's name, address, telephone numbers management staff, and other required items. Within 14 calendar days of receipt of QCS software from the Government, the Contractor shall deliver Contractor administrative data in electronic format via E-mail.

6.1.2 Subcontractor Information

The database shall contain the name, trade, address, phone numbers, and other required information for all subcontractors. A subcontractor must be listed separately for each trade to be performed. Each subcontractor/trade shall be assigned a unique Responsibility Code, provided in QCS. Within 14 calendar days of receipt of QCS software from the Government, the Contractor shall deliver subcontractor administrative data in electronic format via E-mail.

6.1.3 Correspondence

All Contractor correspondence to the Government shall be identified with serial number. Correspondence initiated by the Contractor's site office shall be prefixed with "S". Letters initiated by the Contractor's home (main) office shall be prefixed with "H". Letters shall be numbered starting from 0001. (e.g., H-0001 or S-0001). The Government's letters to the Contractor will be prefixed with "C".

6.1.4 Equipment

The Contractor's QCS database shall contain a current list of equipment planned for use or being used on the jobsite, including the most recent and planned equipment inspection dates.

6.1.5 Management Reporting

QCS includes a number of reports that Contractor management can use to track the status of the project. The value of these reports is reflective of the quality of the data input, and is maintained in the various sections of QCS. Among these reports are: Progress Payment Request worksheet, QA/QC comments, Submittal Register Status, Three-Phase Inspection checklists.

6.2 Finances

6.2.1 Pay Activity Data

The QCS database shall include a list of pay activities that the Contractor shall develop in conjunction with the construction schedule. The sum of all pay activities shall be equal to the total contract amount, including modifications. Pay activities shall be grouped by Contract Line Item Number (CLIN), and the sum of the activities shall equal the amount of each CLIN. CLINs may include multiple activities, but activities may be assigned to only one such CLIN Item. The total of all CLINs equals the Contract Amount.

6.2.2 Payment Requests

All progress payment requests shall be prepared using QCS. The Contractor shall complete the payment request worksheet and include it with the payment request. The work completed under the contract, measured as percent or as specific quantities, shall be updated at least monthly. After the update, the Contractor shall generate a payment request report using QCS. The Contractor shall submit the payment requests with supporting data by E-mail with file attachment(s). If permitted by the Contracting Officer, a data diskette may be used instead of E-mail. A signed paper copy of the approved payment request is also required, which shall govern in the event of discrepancy with the electronic version.

6.3 Quality Control (QC)

QCS provides a means to track implementation of the 3-phase QC Control System, prepare daily reports, identify and track deficiencies, document progress of work, and support other contractor QC requirements. The Contractor shall maintain this data on a daily basis. Entered data will automatically output to the QCS generated daily report. The Contractor shall provide the Government a Contractor Quality Control (CQC) Plan within the time required in Section 01451, CONTRACTOR QUALITY CONTROL. Within seven calendar days of Government acceptance, the Contractor shall submit a data diskette or CD-ROM reflecting the information contained in the

accepted CQC Plan: schedule, pay activities, features of work, submittal register, QC requirements, and equipment list.

6.3.1 Daily Contractor Quality Control (CQC) Reports

QCS includes the means to produce the Daily COC Report. The Contractor may use other formats to record basic QC data. However, the Daily CQC Report generated by QCS shall be the Contractor's official report. Data from any supplemental reports by the Contractor shall be summarized and consolidated onto the QCS-generated Daily CCC Report. Daily CCC Reports shall be submitted as required by Section 01451, CONTRACTOR QUALITY CONTROL. Reports shall be submitted electronically to the Government using E-mail or diskette within 24 hours after the date covered by the report. Use of either mode of submittal shall be coordinated with the government representative. The Contractor shall also provide the Government a signed, printed copy of the daily CQC report.

6.3.2 Deficiency Tracking

The Contractor shall use QCS to track deficiencies. Deficiencies identified by the Contractor will be numerically tracked using QC punch list items. The contractor shall maintain a current log of its QC punch list items in the QCS database. The Government will log the deficiencies it has identified using its QA punch list items. The Government's QA punch list items will be included in its export file to the Contractor. The contractor will acknowledge receipt of these QA punch list items by specific number reference on the Daily CCC Report. The Contractor shall regularly update the correction status of both QC and QA punch list items.

6.3.3 Three-Phase Control Meetings

The Contractor shall maintain scheduled and actual dates and times of preparatory and initial control meetings in QCS.

6.3.4 Accident/Safety Tracking

The Government will issue safety comments, directions, or guidance whenever safety deficiencies are observed. The Government's safety comments will be included in its export file to the Contractor. The Contractor shall regularly update the correction status of the safety comments. In addition, the Contractor shall utilize QCS to advise the Government of any accidents occurring on the jobsite. This brief supplemental entry is not to be considered as a substitute for completion of mandatory reports, e.g., ENG Form 3394 and OSHA Form 200.

6.3.5 Features of Work

The Contractor shall include a complete list of the features of work in the QCS database. A feature of work may be associated with multiple pay activities. However, each pay activity (see subparagraph "Pay Activity Data" of paragraph "Finances") will only be linked to a single feature of work.

6.3.6 QC Requirements

The Contractor shall develop and maintain a complete list of QC Testing, Transfer Property listings, Installed Property listings, and User Training requirements in QCS, all tied to individual pay activities. The Contractor shall update all data on these QC requirements as work progresses, and shall promptly provide this information to the Government via QCS.

6.4 Submittal Management

The contractor will initially be required to enter all required submittal information into QCS. Thereafter, the Contractor shall maintain a complete list of all submittals, including completion of all data columns of ENG Form 4288, as required by Section 01330, SUBMITTAL PROCEDURES DESIGN/BUILD CONSTRUCTION. Dates on which submittals are received and returned by the Government will be included in its export file to the Contractor. The Contractor shall use QCS to track and transmit all submittals. ENG Form 4025, Submittal Transmittal Form, and Submittal Register Update, ENG Form 4288, shall be produced using QCS. RMS will be used to update, store and exchange submittal registers and transmittals, but will not be used for storage of actual submittals.

6.5 Schedule

The Contractor shall develop a construction schedule consisting of pay activities, in accordance with Section 00700 Contract Clauses "Schedules for Construction Contracts", or Section 01320, PROJECT SCHEDULE, as applicable. This schedule shall be input and maintained in the QCS database either manually or by using the Standard Data Exchange Format (SDEF) (see Section 01320 PROJECT SCHEDULE). The contractor shall be responsible for ensuring the SDEF is in the format required to upload the data to the QCS Module; otherwise, the contractor will be required to enter the data manually. The updated schedule data shall be included with each pay request submitted by the Contractor.

6.6 Import/Export of Data

QCS includes the ability to export Contractor data to the Government and to import Government-provided data.

7.0 IMPLEMENTATION

Contractor use of QCS as described in the preceding paragraphs is mandatory. The Contractor shall ensure that sufficient resources are available to maintain its QCS database, and to provide the Government with regular database updates. QCS shall be an integral part of the Contractor's management of quality control.

8.0 DATA SUBMISSION VIA COMPUTER DISKETTE OR CD-ROM

The Government-preferred method for Contractor's submission of updates, payment requests, correspondence and other data is by E-mail with file attachment(s). For locations where this is not feasible, the Contracting Officer may permit use of computer diskettes or CD-ROM for data transfer. Data on the disks or CDs shall be

exported using the QCS built-in export function. If used, diskettes and CD-ROMs will be submitted in accordance with the following:

8.1 File Medium

The Contractor shall submit required data on 3-1/2" double-sided high-density diskettes formatted to hold 1.44 MB of data, capable of running under Microsoft Windows 95 or newer. Alternatively, CD-ROMs may be used. They shall conform to industry standards used in the United States. All data shall be provided in English.

8.2 Disk or CD-ROM Labels

The Contractor shall affix a permanent exterior label to each diskette and CD-ROM submitted. The label shall indicate in English, the QCS file name, full contract number, contract name, project location, data date, name and telephone number of person responsible for the data.

8.3 File Names

The Government will provide the file names to be used by the Contractor with the QCS software.

9.0 WEEKLY SUBMISSION OF EXPORT FILES

The contractor shall, at a minimum, generate and submit weekly export file to the Government.

10.0 MONTHLY COORDINATION MEETING

The Contractor shall update the QCS database each workday. At least monthly, the Contractor shall generate and submit an export file to the Government with schedule update and progress payment request. As required in Section 00700 Contract Clauses "Payments", at least one week prior to submittal, the contractor shall meet with the Government representative to review the planned progress payment data submission for errors and omissions. The contractor shall make all required corrections prior to Government acceptance of the export file and progress payment request. Payment requests accompanied by incomplete or incorrect data submittals will be returned. The Government will not process progress payments until an acceptable QCS export file is received.

11.0 NOTIFICATION OF NONCOMPLIANCE

The Contracting Officer will notify the Contractor of any detected noncompliance with the requirements of this specification. The Contractor shall take immediate corrective action after receipt of such notice. Such notice, when delivered to the Contractor at the work site, shall be deemed sufficient for the purpose of notification. The QCS Module shall be completed to the satisfaction of the Contracting Officer prior to any contract payment (except for Bonds, and Insurance, as approved by the Contracting Officer).

----End of Section----

SECTION 01330
SUBMITTAL PROCEDURES
DESIGN/BUILD CONSTRUCTION
(NY Dist Rev. 8/01)

PART 1 GENERAL

1.1 SUMMARY

This section covers procedures to be used in making submittals for construction. The Contractor's Quality Control Representative shall coordinate and control submittals.

1.1 SUBMITTAL CLASSIFICATION

Submittals are classified as follows:

1.1.1 Design Submittals

Administrative Contracting Officer review is required for all design. The Government will review all 75% and 95% design submittals for conformance with the technical requirements of the solicitation. Section 01012, Design After Award, covers the design submittal and review process in detail.

1.1.2 Construction Submittals

1.1.2.1 Submittal Definitions

The submittals described below are those required and further described in other sections of the specifications. Submittals required by the CONTRACT CLAUSES and other non-technical parts of the contract are not included in this section.

SD-01 Data

Work to be Performed by Contractor

Submittal Registers

Submittals which provide calculations, descriptions, or documentation regarding the work.

SD-04 Drawings

Submittals which graphically show relationship of various components of the work, schematic diagrams of systems, details of fabrication, layouts of particular elements, connections, and other relational aspects of the work.

As-Built Drawings

Equipment Layout Drawings

SD-06 Instructions

Preprinted material describing installation of a product, system or material, including special notices and material safety data sheets, if any, concerning impedances, hazards, and safety precautions.

SD-07 Schedules

Progress Schedules

Schedules for Construction Contracts

Contractor Prepared Network Analysis

Tabular lists showing location, features, or other pertinent information regarding products, materials, equipment, or components to be used in the work.

SD-08 Statements

Accident Prevention Plan

Hazard Analysis Plan

Environmental Protection Plan

Submittal Procedures

A document, required of the Contractor, or through the Contractor, from a supplier, installer, manufacturer, or other lower tier Contractor, the purpose of which is to confirm the quality or orderly progression of a portion of the work by documenting procedures, acceptability of methods or personnel, qualifications, or other verifications of quality.

SD-09 Reports

Reports of inspections or tests, including analysis and interpretation of test results. Each report shall be properly identified. Test methods used shall be identified and test results shall be recorded.

SD-13 Certificates

Statements signed by responsible official of a manufacturer of a product, system or material, attesting that the product, system or material meets specified requirements.

SD-14 Samples

Samples including both fabricated and unfabricated physical examples of products, and units of work as complete units or as portions of units of work.

SD-18 Records

Documentation to record compliance with technical or administrative requirements.

SD-19 Operation and Maintenance Manuals

Data which forms a part of an operation and maintenance manual.

1.1.2.2 Designer of Record Approval.

Designer of Record approval is required for extensions of design, critical materials, any

deviations from the solicitation, the accepted proposal, or the completed design, equipment whose compatibility with the entire system must be checked, and other items as designated by the Contracting Officer's Representative. Within the terms of the Contract Clause entitled "Specifications and Drawings for Construction", they are considered to be "shop drawings". The Contractor shall also provide the Government the number of copies designated hereinafter of all Designer of Record approved submittals. The Government may review any or all Designer of Record approved submittals for conformance to the Solicitation and Accepted Proposal. The Government will review all submittals designated as deviating from the Solicitation or Accepted Proposal, as described below.

1.1.2.3 Government Approved Construction Submittals.

Administrative Contracting Officer approval is required for any deviations from the Solicitation or Accepted Proposal and other items as designated by the Contracting Officer's Representative. Within the terms of the Section 00700 Contract Clauses "Specifications and Drawings for Construction", they are considered to be "shop drawings".

1.1.2.4 Government Reviewed Extension of Design.

Government review is required for extension of design construction submittals, used to define contract conformity, and for deviation from the completed design. Review will be only for conformance with the contract requirements. Included are only those construction submittals for which the Designer of Record design documents do not include enough detail to ascertain contract compliance. Government review is not required for extensions of design such as structural steel or reinforcement shop drawings.

1.1.2.5 Information Only.

All submittals not requiring Designer of Record or Government approval will be for information only. They are not considered to be "shop drawings" within the terms of the Contract Clause referred to above.

1.2 GOVERNMENT REVIEWED OR "APPROVED" SUBMITTALS

The Contracting Officer's Representative conformance review or approval of submittals shall not be construed as a complete check, but will indicate only that the design, general method of construction, materials, detailing and other information appear to meet the Solicitation and Accepted Proposal. Government Review or approval will not relieve the Contractor of the responsibility for any error which may exist, as the Contractor, under the Design and CQC requirements of this contract, is responsible for design, dimensions, all design extensions, such as the design of adequate connections and details, etc., and the satisfactory construction of all work. After submittals have been reviewed for conformance or approved, as applicable, by the Contracting Officer's Representative, no resubmittal for the purpose of substituting materials or equipment will be considered unless accompanied by an explanation of why a substitution is necessary.

1.3 DISAPPROVED SUBMITTALS

The Contractor shall make all corrections required by the Contracting Officer's Representative, obtain the Designer of Record's approval, when applicable, and promptly furnish a corrected submittal in the form and number of copies specified for the initial submittal. Any "information only" submittal found to contain errors or unapproved deviations from the Solicitation or Accepted Proposal shall be resubmitted as one requiring "approval" action, requiring both Design of Record and Government approval. If the Contractor considers any correction indicated by the Government on the submittals to constitute a change to the contract, it shall promptly provide a notice in accordance with the Section 00700 Contract Clauses "Changes" to the Contracting Officer's Representative.

1.4 WITHHOLDING OF PAYMENT

No payment for materials incorporated in the work will be made if all required Design of Record or required Government approvals have not been obtained. No payment will be made for any materials incorporated into the work for any conformance review submittals or information only submittals found to contain errors or deviations from the Solicitation or Accepted Proposal.

PART 2 PRODUCTS

2.1 DESIGN SUBMITTALS

The Contractor shall make design submittals in accordance with Section 01012 entitled "DESIGN AFTER AWARD".

2.2 CONSTRUCTION SUBMITTALS

2.2.1 General

The Contractor shall make submittals as required by the specifications. The Contracting Officer's Representative may request submittals in addition to those specified when deemed necessary to adequately describe the work covered in the respective sections. Units of weights and measures used on all submittals shall be the same as those used in the contract drawings. Each submittal shall be complete and in sufficient detail to allow ready determination of compliance with contract requirements. Prior to submittal, the Contractor's Quality Control (CQC) representative, and the Designer of Record, as applicable, above shall check, approve and stamp, sign, and date each item, indicating action taken. Proposed deviations from the contract requirements shall be clearly identified. Submittals shall include items such as: Contractor's, manufacturer's, or fabricator's drawings; descriptive literature including (but not limited to) catalog cuts, diagrams, operating charts or curves; test reports; test cylinders; samples; O&M manuals (including parts list); certifications; warranties; and other such required submittals. Submittals requiring Government approval shall be scheduled and made prior to the acquisition of the material or equipment covered thereby. Samples remaining upon completion of the work shall be picked up and disposed of in accordance with manufacturer's Material Safety Data Sheets (MSDS) and in compliance with existing laws and regulations.

2.2.2 Submittal Register (ENG Form 4288)

The Contractor's Designer(s) of Record shall develop a complete list of submittals during design. The Designer of Record shall identify required submittals in the specifications. The contractor shall generate and update the ENG Form 4288 Submittal Register. If QCS is used on this project the submittal register is required to be entered and updated in QCS. If not, and specifications used are in Specs-In-Tact format, the submittal register shall be generated using the Spec-in-Tact program, and updated using the electronic files exported from Specs-in-Tact. If neither RMS nor Specs-in-Tact are used, the contractor shall generate and update the submittal register electronically in another program. The Submittal register will be included in the 95% design submittal. The list may not be all inclusive and additional submittals may be required by other parts of the contract. The Contractor is required to complete ENG Form 4288 (including columns "a" through "r") and submit to the Contracting Officer for approval within 30 calendar days after approved date of beginning of construction. The approved submittal register will serve as a scheduling document for submittals and will be used to control submittal actions throughout the contract period. The submit dates and need dates used in the submittal register shall be coordinated with dates in the Contractor prepared progress schedule. Updates to the submittal register showing the Contractor action codes and actual dates with Government action codes and actual dates shall be submitted monthly or until all submittals have been satisfactorily completed. When the progress schedule is revised, the submittal register shall also be revised and both submitted for approval.

2.2.3 Scheduling

Contractor shall schedule those submittals covering component items forming a system or items that are interrelated to be coordinated and submitted concurrently. Also, schedule Certifications to be submitted with the pertinent drawings. Allow adequate time (a minimum of 30 calendar days exclusive of mailing time) and indicate on the register for Government review or approval. No delay damages or time extensions will be allowed for time lost in late submittals.

2.2.4 Transmittal Form (ENG Form 4025)

The transmittal form (ENG Form 4025) shall be for transmitting both Government approved and information only submittals in accordance with the instructions on the reverse side of the form. The Government will furnish blank forms to the Contractor. Properly complete this form by filling out all the heading blank spaces and identifying each item submitted. Exercise special care to ensure proper listing of the specification

paragraph and/or sheet number of the contract drawings pertinent to the data submitted for each item.

2.2.5 Submittal Procedure

Make submittals as follows:

2.2.5.1 Procedures

At the Quality Control Coordination meeting, or pre-work conference, the Contractor shall ascertain the name and address of each individual, agency, or firm who is designated to normally receive items for approval, for information or samples. The contractor shall complete ENG Form 4025, entering each item requiring a separate approval action as a separate item on the form, for each transmittal. A transmittal may consist of one or more 4025 sheets. The transmittal, consisting of ENG Form 4025 plus all applicable submittals, is then sent to the appropriate individual. On critical items the Contractor is encouraged to confirm receipt via telephone. The Contractor shall submit to the Government four copies of submittals for approval or conformance review and one for items for information.

2.2.5.2 Deviations

On submittals for which the Contractor requests proposed deviations, check the column "variation" of ENG Form 4025. The Contractor shall set forth in writing the reason for any deviations and annotate such deviations on the submittal. As stated above, the Contractor's Designer of Record's approval is required for any proposed deviation. The Government reserves the right to rescind inadvertent approval of submittals containing unnoted deviations.

2.2.6 Control of Submittals

The Contractor shall carefully control its procurement operations to ensure that each individual submittal is made on or before the Contractor scheduled submittal date shown on the approved "Submittal Register" so the material needed date is complied with.

2.2.7 Government Conformance Review and Approved Submittals

Upon completion of review of submittals requiring Government approval, the Government will identify the submittals as having received approval by so stamping and dating. The Contracting Officer's Representative will retain 2 copies of the submittal and return 2 copies of the submittal to the Contractor. If the Government performs a conformance review of other Designer of Record approved submittals, the submittals will be so identified and returned, as described above.

2.2.8 Information Only Submittals

Normally the Government will not return submittals for information only. No action of the Contracting Officer's Representative is required on information only submittals. This does not relieve the Contractor from the obligation to furnish material conforming to the plans and specifications and will not prevent the Contracting Officer's Representative from requiring removal and replacement of nonconforming material incorporated in the work; and does not relieve the Contractor of the requirement to furnish samples for testing by the Government laboratory or for check testing by the Government in those instances where the technical specifications so prescribe.

2.2.9 Stamps

Stamps used by the Contractor's Designer of Record and the Contractor's designed Quality Control person on the submittal data to certify that the submittal meets contract requirements shall be similar to the following (use two stamps for submittals reviewed by both):

CONTRACTOR (Firm Name)	
___	Approval
___	Approval with corrections as noted on submittal data and /or attached sheet(s)
SIGNATURE: _____	
TITLE:	(DESIGNER OF RECORD)
DATE:	_____

---End of Section---

C. Insert New Drawing, Appendix-L, New Water Treatment Plant Site Plan.

NEW BID SCHEDULE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001			Dollars, U.S.		
	Base (All buildings, parking, utilities, etc)				
	PURCHASE REQUEST NUMBER: W16ROE-4068-6489				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002			Dollars, U.S.		
	Design Fee				
	FFP				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003			Dollars, U.S.	\$90,000	\$90,000

AS-BUILT DRAWINGS PER 00800 SECTION

FOR WSAAF BARRACKS EXPANSION (NO PARTIAL PAYMENTS WILL BE PROVIDED UNTIL FINAL ACCEPTANCE OF THIS ITEM). This amount shall not be changed.

NET AMT \$90,000

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004			Dollars, U.S.	\$360,000	\$360,000

PROJECT PUNCHLIST

This line applies to all punch list items including those items identified at the prefinal and final inspections and is above the normal retainage for this item. Offerors shall include this amount in the bid price. This amount shall not be changed. *1

*1 This amount shall be retained by the Government in the event contractor fails to complete punch list items. This amount is separate from liquidated damages to be applied in the event contractor fails to complete the work within the time specified in the contract including any extensions.

NET AMT \$360,000

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005			Dollars, U.S.		

OPTION Option #1
FFP
Geothermal for Barracks (May be exercised within 180 days after NTP)
(Also referred to as Option A - Complete Construction of Geothermal at Barracks Buildings in Technical Specifications)

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006			Dollars, U.S.		

OPTION Option #2
FFP
Water Treatment Plant (May be exercised within 180 days after NTP)
(Also referred to as Option E - Complete Construction of Water Treatment Plant in Technical Specifications)

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007			Dollars, U.S.		
OPTION	Option #3 FFP DFAC Equipment (May be exercised within 180 days after NTP) (Also referred to as Option C - Complete Purchase and Install of Dining Facility Equipment in Technical Specifications)				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008			Dollars, U.S.		
OPTION	Option #4 FFP DFAC Furniture (May be exercised within 180 days after NTP) (Also referred to as Option B - Complete Purchase and Install of Dining Facility Furniture in Technical Specifications)				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009			Dollars, U.S.		
OPTION	Option #5 FFP Tear Down Existing Tower (May be exercised within 180 days after NTP) (Also referred to as Option D - Decommission Existing Airfield Water Tower in Technical Specifications)				

NET AMT

TOTAL BASE BID (0001 – 0004) \$_____

TOTAL BASE BID PLUS OPTIONS (0005-0009) \$_____

SIGN IN SHEET

WSAAF Barracks, Fort Drum, New York
PRE-PROPOSAL CONFERENCE
SIGN-IN SHEET
17 June 2004

<u>NAME</u>	<u>AGENCY</u>	<u>TELEPHONE #</u>
RAY M. TEETER	RAY M. TEETER, P.E.	585-393-4762
HAMILTON G. GARUSEY	BENDSLEY DESIGN ASSOCIATES	315-253-7301
Christina Schneider	Purcell Construction Corp.	315-782-1050
STEVE BILLS	LeChase Construction	585-452-0305
Ann Wood	USACE Baltimore	315-772-0749 410-962-0032
MICHAEL BETZ	MW-ZANDER	(312) 577-3234
STEVE KILEY	CLARE CONSTRUCTION	812-474-5500
Bernard 'Bud' Grove	" "	617/353-1550
RICHARD CHARLESON	WALSH CONSTRUCTION	312/563-5480
Neil Lawler	LHC	315-646-2919
RAMA KANTHAN	PARSONS BRINCKERHOFF	212-465-5156
YALCIN TARHAN	" "	212-465-5140
GARY L POOLER	POOLER ENTERPRISES	585-924-5200
Virginia MacCallum	FORT-ALBERT ASSOC.	315-788-9330
Jim GEROW	FYP A/E	518-431-3359
JOE WHITE	AIRFIELD	

(End of Summary of Changes)



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

PRE-PROPOSAL CONFERENCE

W912DS-04-R-0010

WSAAF Barracks Complex

FT Drum, New York

17 June 2004



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Welcome

DID YOU SIGN-IN ?!



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

AGENDA

- 1330 Introductions (Please Sign-In)
- 1335 Description of the Project
- 1345 USACE Design/Build Process
- 1355 Procurement Information
- 1405 Submittal of Questions
- 1415 Site Visit
- 1530 Return to “Commons”- Answer Period
- 1600 Conclusion



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

Project Overview

- Project includes all work required to design and construct a brigade size barracks complex for the WSAAF including 2 - three story junior enlisted barracks (240 rm each) with integrated soldier community facilities, 1 brigade HQ, 3 medium battalion HQ's with classrooms, 1 dining facility (251-500 PN), 3 company operating facilities, 6 hangar additions for company operating facilities, 1 troop aid station, 1 multi-purpose ball field. One contract will be awarded.
- Price includes design and construction (target ceiling \$ 84.0M).
- Contractor is responsible for the total project, including warranty of the design and the facility.
- Completion: 913 days after receipt of NTP



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

Project Description

- **(2) 240 man barracks buildings**
- **2 person modules including**
 - ✓ **2 living sleeping rooms with closets**
 - ✓ **Serving area**
 - ✓ **Bathroom**
- **Soldier community building includes:**
 - ✓ **Mud room**
 - ✓ **Janitors closets**
 - ✓ **Vending area**
 - ✓ **Public toilets**
 - ✓ **CQ desk areas**
 - ✓ **Multipurpose rooms**
 - ✓ **Mail distribution area**
 - ✓ **Laundry rooms**
 - ✓ **Mechanical, electrical and communications rooms**



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

Project Description (continued)

- 1 Brigade HQ,
- 3 Medium battalion HQ's
- 1 Dining facility
- 1 Troop aid station
- 1 Multi-purpose ball field
- 3 Company operating facilities
- 6 Hangar additions that house 9 Co's



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Project Description (cont'd)

Additional supporting facilities include water tower and water treatment facilities, utilities, electric service, security lighting, sanitary sewers, storm drainage, information systems, heating and air conditioning, energy monitoring and control system (EMCS), mass notification system, fire detection and alarm system.



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

Design Build

CONTRACTOR MAY BE:

- Construction contractor with subcontracted AE services
- Joint venture of AE firm and construction contractor
- AE firm with subcontracted construction contractor
- Design build firm with full AE and construction capabilities
- Other combinations providing all services.

Responsibilities

- Design-build contractor responsible for designing to budget, or is faced with paying the difference from own pocket.
- Government has minimal role in design of project.



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Best Value-Trade-Offs

- Process used when selection is based on technical factors and price, which when evaluated constitute a best value to the Government, not necessarily to the lowest price proposal.
- Evaluation factors are listed in the solicitation.
- Trade-Offs are permitted.



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

RFP Overview

W912DS-04-R-0010 consists of:

- Key Sections 00100, 00110, 00120, 00600, 00700, 00800, 00900, 01010, 01012, etc
- Performance & Prescriptive Specifications and Attachments
- Reference Drawings

On Time Submission of Proposal

Government will evaluate proposals

(RFP Compliance, Cost Proposal, and Technical Proposal)

Hub-Zone Preference (10% Price Preference)



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Submission Requirement (Section: 00110)

- 150 pages or less, due 19 July 2004 at 1400 hrs
- Volume I (Technical Proposal)
 - 1. Past Experience of Offeror's Team
 - 2. Proposed Engineering Systems
 - 3. Past Performance of Offeror's Team
 - 4. Qualifications of Offeror's Team
 - 5. Performance Schedule
- Volume II (Price Proposal), Separate Volume
- Volume III (Subcontracting Plan), Separate Volume



US Army Corps
of Engineers

New York District

Fort Drum Resident
Office

Team

- **Key Design and Construction Team Members:** Contractor's Project Manager, Contractor's Quality Control Manager, Design Quality Control Manager, Construction Quality Manager, Design/Construction Liaison, Design Team Leader, Design Team Members (all engineering disciplines), Superintendent, Contractor's Sub-Contractor Manager, Independent Technical Review Team, Safety Manager.
- **Substitution of proposed "Key Personnel":**
 - Sec 00110, section 3.4 (a)
 - » i. Only PCO/SSA can authorize change from RFP
 - » ii. Only allowed under limited conditions
 - » iii. The replacement will meet, or exceed, the qualifications of the named individual in the RFP
 - A substitution of team members from Proposal to Execution phase is not allowed



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Competitive Range

- Consists of the most highly rated proposals that have a reasonable chance of award.

Discussions

- Government reserves the right to award the contract without discussions.
- If discussions are held, they will be conducted with each offeror within the competitive range.
- Discussions will include deficiencies that should be corrected to conform to RFP requirements.



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Proposal Revisions

- At conclusion of Discussions, if held, all offerors within the competitive range will have the opportunity to submit a final proposal revision.
- Final proposal revisions must be in writing and received by the specified date.



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Rating Definitions

(Volume I and III)

- **Exceptional (Blue):** Meets evaluation standards and exceeds many to the Government's benefit.
- **Very Good (Purple):** Meets evaluation standards and exceeds some to the Government's benefit.
- **Satisfactory (Green):** Meets evaluation standards.
- **Marginal (Yellow):** Fails to meet evaluation standards. The evaluation standards being assessed reflect a serious problem for which the Offeror did not identify corrective actions. The Offeror's corrective actions appear only marginally effective or were not fully implemented.
- **Unsatisfactory (Red):** Fails to meet most contractual requirements. The evaluation standard being assessed contained serious problem(s) for which the Offeror's corrective actions appear or were ineffective.



Rating Definitions

No award will be made to an Offeror receiving either:

- An unacceptable (red) rating in any evaluation factor is given.

or

- A rating below satisfactory (green) in Factor #1.

or

- Any satisfactory rating in Factor #1 but having more than two marginal (yellow) in any other factors given.



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Contract

- Contract will be firm fixed price
- Contract consists of:
 - RFP Requirements
 - Contractor's Proposal
- Order-of-Precedence:
 1. "Betterments" in Contractor's Proposal
 2. RFP Provisions
 3. Contractor's Proposal
 4. Design Products



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Key Dates

- **Proposal Due Date: 19 July 04**
- **Award: NLT 30 Sept 04**



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Submitting Questions

- Please provide questions in a written format.
- Following site visit, initial response(s) to your questions will be provided, if possible.
- Answer(s)/Comment(s) to questions and information from this meeting will be provided in an amendment.



US Army Corps
of Engineers
New York District
Fort Drum Resident
Office

Questions

- Questions and Answers Are for Information Only



US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Additional Information

Additional questions should be submitted
to Mr. Shaukat Syed
Phone number 212-264-6707
Fax number 212-264-3013

Deadline for questions is
28 June 2004.



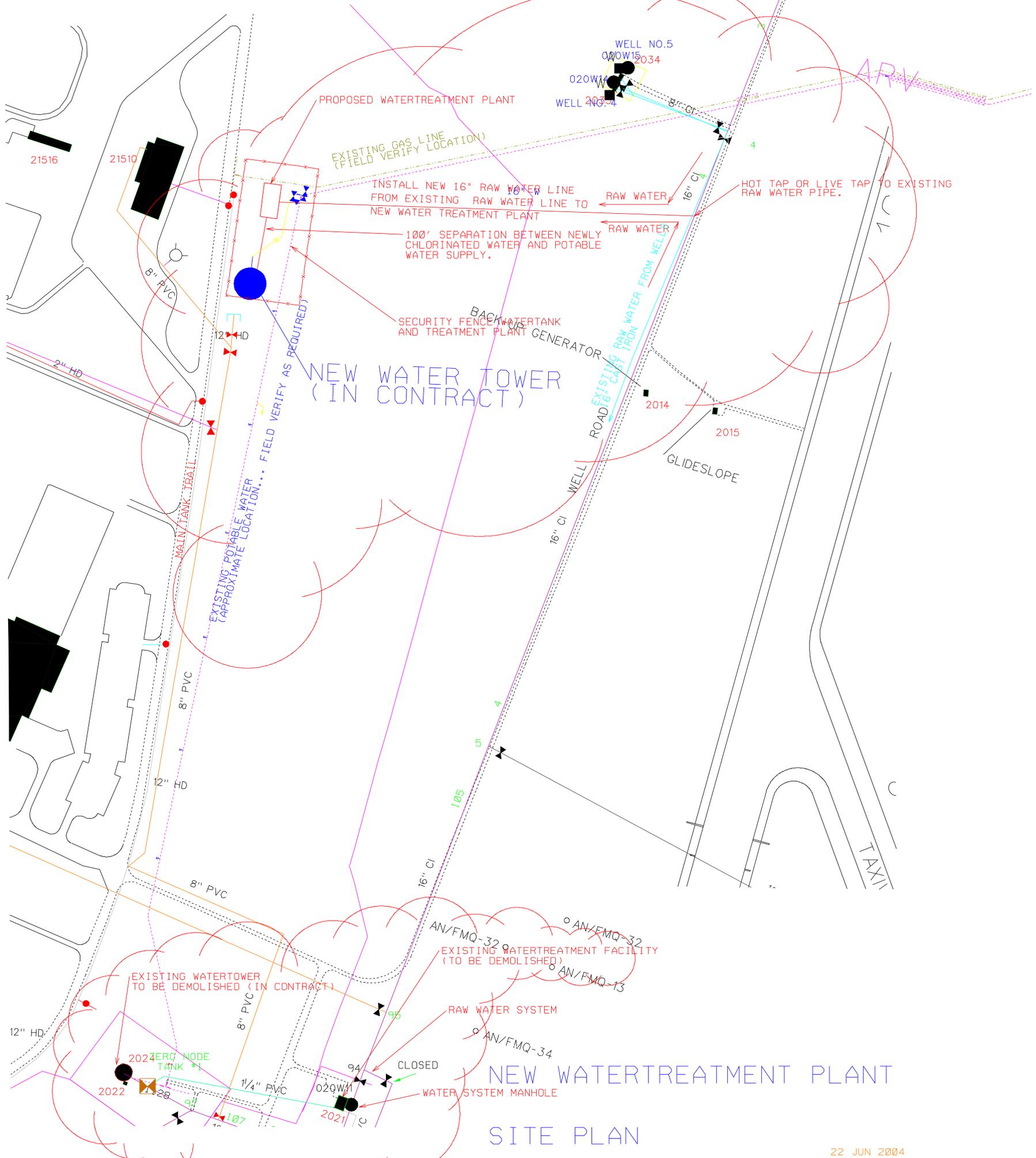
US Army Corps
of Engineers

New York District
Fort Drum Resident
Office

Site Visit

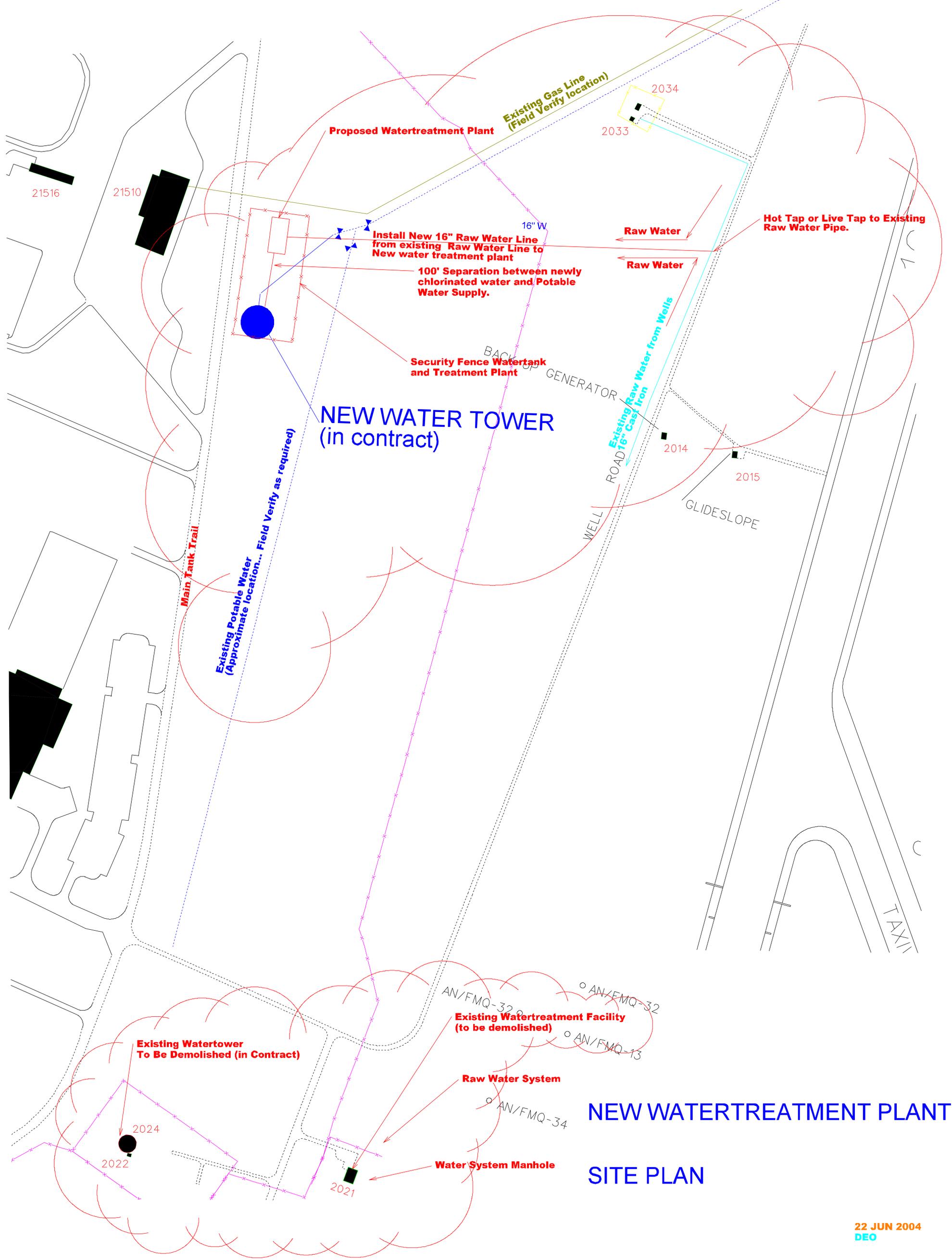
DID YOU SIGN-IN ?!

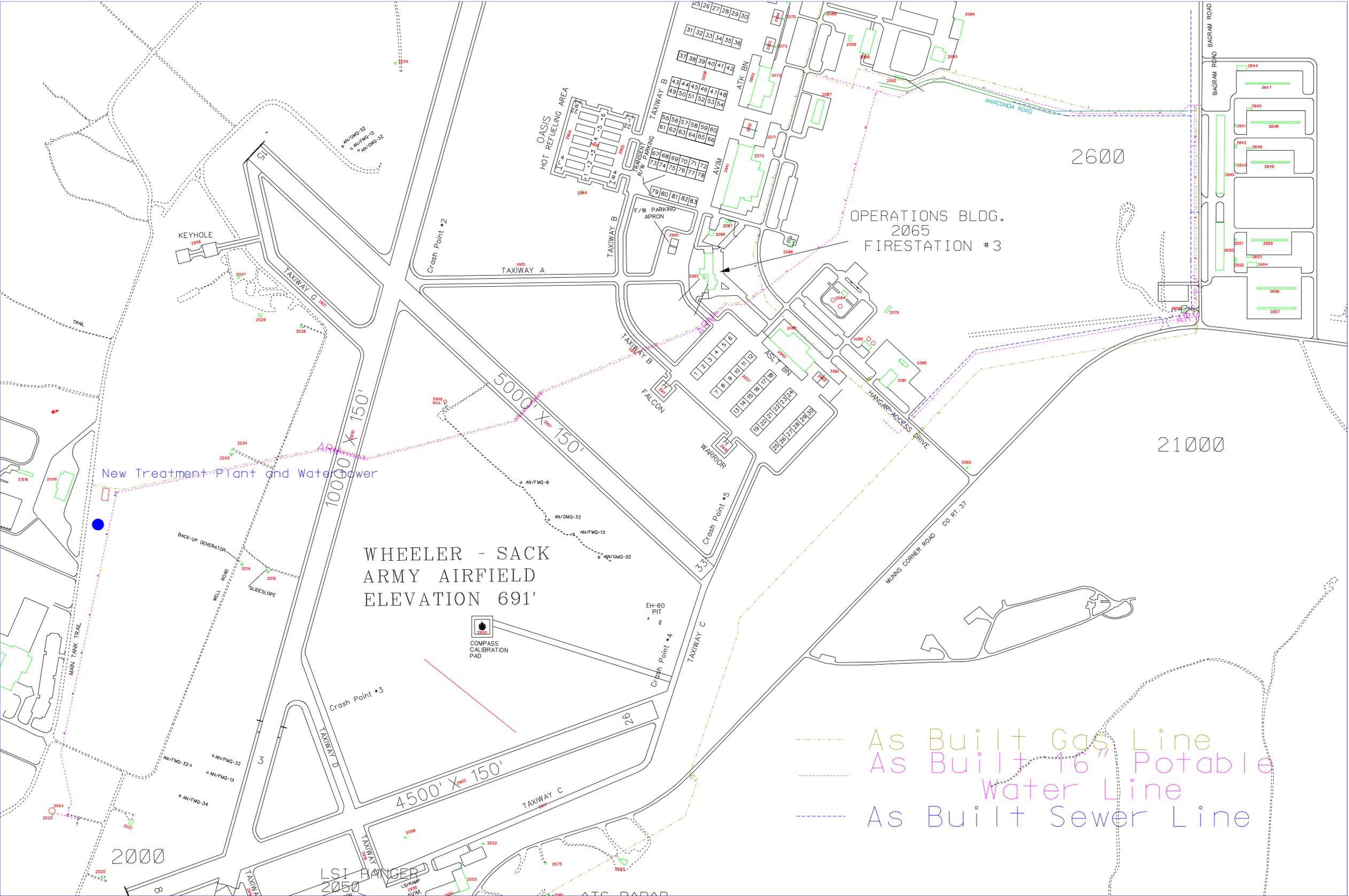
Thanks for attending.



SITE PLAN

22 JUN 2004
DEO





WHEELER - SACK
ARMY AIRFIELD
ELEVATION 691'

OPERATIONS BLDG.
2065
FIRESTATION #3

New Treatment Plant and Water Tower

- As Built Gas Line
- As Built 16" Potable Water Line
- As Built Sewer Line

2000

2600

21000

LSI HANGAR
2050