



July 5, 2007

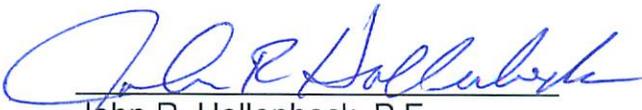
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NACIMIENTO WATER PROJECT
 ADDENDUM NO. 03
 for
 INTAKE
 CONTRACT NO. 300187.08-01
 SPECIFICATION No. 01

Modified requirements for blasting.
 Added MCWRA excavated materials requirements.
 Miscellaneous changes and clarifications to the Specifications and Drawings.



 Noel King
 Director of Public Works



 John R. Hollenbeck, P.E.
 Nacimiento Project Manager

ACKNOWLEDGMENT

BIDDER shall submit this ACKNOWLEDGMENT as indicated below if this Addendum was received by any delivery service other than Certified Mail return receipt requested, or Other Express Service.

 Company Name Printed Name Signature Date

Return this acknowledgment via any of the following methods:

- Fax No. (805) 772-2010, c/o Vicki
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NWP NACIMIENTO WATER PROJECT

San Luis Obispo County Flood Control & Water Conservation District

CONTRACT NO. 300187.08.01
Specification 01

ADDENDUM

DATE:	July 5, 2007
PROJECT:	Intake
ADDENDUM NO.:	3
BID OPENING:	July 16, 2007
(Revised)	



NOTICE TO ALL BIDDERS SUBMITTING BIDS AND TO ALL PLANHOLDERS:

You are hereby notified of the following changes, clarifications or modifications to the Contract Documents. This addendum shall supersede the original Contract Documents and previous addenda. In the event this addendum contradicts the original Contract Documents and previous addenda, this addendum shall take precedence. All other provisions of the Contract Documents shall remain unchanged.

BIDDERS shall acknowledge receipt of this addendum in the appropriate space provided in the Bid Forms.

A. CHANGES AND/OR CLARIFICATIONS TO DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS

1. Section 00700, Paragraph 14.3.D; add the following to the end of the first paragraph:
"Materials of like kind in large quantities and related appurtenant components that will be incorporated in the WORK will be eligible for payment, if considered eligible by the ENGINEER, even though a single item of said material has a value of less than \$5,000."

B. CHANGES AND/OR CLARIFICATIONS TO DIVISION 1 – GENERAL REQUIREMENTS

1. Section 01060, "Permit Requirements," Page 7, Paragraph 1.2.4; add the following after the first sentence of the second paragraph (as revised in Addendum No. 2):

"Discharge pipe(s) or hose(s) shall be used to discharge the treated water at least five feet below the lake surface elevation."

2. Section 01650, "Startup and Testing", Page 6, Paragraph 6.05; replace the first bullet with the following:

"Test the system ground per National Electric Code, then terminate the ground."

C. CHANGES AND/OR CLARIFICATIONS TO THE TECHNICAL SPECIFICATIONS

1. Section 02200, "Earthwork," Page 11, Paragraph 3-7; add the following to the end of the first bullet:

"The MCWRA requires that excavated materials shall be dry, no larger than one foot in size, and be non-hazardous."

2. Section 02370, "Intake Shaft Construction", Page 2, Paragraph 1-4; add the following bullet to the end of Paragraph 1-4:

- "Blasting plans and details:
 - Qualifications of Blast Control Specialist: Submit at least 60 days prior to blasting WORK.
 - Shaft excavation plan describing details for CONTRACTOR's proposed rock excavation methods. Submit at least 60 days prior to start of WORK.
 - Detailed blasting plan for each blast shall be submitted at least 48 hours prior to beginning any WORK for that blast.
 - Vibration and air-blast monitoring plan. Submit at least 60 days prior to blasting WORK.
 - Qualifications of Blast Consultant. Submit at least 60 days prior to blasting WORK.

Review of the Blasting Plan by the ENGINEER or Blasting Consultant shall not relieve the CONTRACTOR of their responsibility for the accuracy and adequacy of the plan when implemented in the field."

3. Section 02370, "Intake Shaft Construction", Page 5, Paragraph 3-2, 3-2.01, and 3-2.02; replace Paragraph 3-2, 3-2.01, and 3-2.02 with the following:

"3-2. BLASTING. Blasting shall be performed in accordance with all laws, regulations, and ordinances in effect at the time of blasting and required by the authority having jurisdiction thereover including compliance with the California Division of Occupational Safety and Health Division 1. Department of Industrial Relations, Chapter 4. Division of Industrial Safety Subchapter 20. Tunnel Safety Orders. CONTRACTOR shall engage the services of a qualified Blast Consultant with extensive knowledge of noise vibration, and visual impacts of blasting operations, and who is specialized in the detonation of explosives, particularly in shaft construction operations. The Blast Consultant must have at least ten (10) years of experience in construction blasting and be utilized to develop blasting procedures and to perform pre-blast and post-blast surveys and assist in monitoring blasting operations. The CONTRACTOR shall employ the services of a Blast Control Specialist authorized to act on behalf of the CONTRACTOR and be a licensed blaster by the State of California with authority to possess, transport, and use explosives. The Blast Control Specialist shall have a minimum of ten (10) years experience with blast design and vibration and air-blast monitoring. The Blast Control Specialist is subject to the approval of the Blast Consultant.

CONTRACTOR shall notify the MCWRA and all affected adjacent property occupants at least 24 hours prior to blasting. CONTRACTOR shall be responsible for responding to and resolving all complaints. Suitable methods shall be employed to confine all materials lifted by blasting within the limits of the excavation, including use of blasting mats to control flying rock.

CONTRACTOR shall be responsible for obtaining all required blasting permits from the city, County, State and Federal agencies and shall provide sufficient prior notice as specified by code, ordinance or other regulation to the agencies and authorities where the blasting is to be performed. A copy of the blasting permit shall be on the site before and during blasting operations. CONTRACTOR shall furnish to ENGINEER a copy of all blasting permits at least 7 days prior to blasting.

The CONTRACTOR shall submit for review the proposed methods and sequence of blasting for rock excavations. The CONTRACTOR shall identify the number, depth, and spacing of holes; stemming and number and type of delays; methods of controlling overbreak at excavation limits, procedures for monitoring the shots and recording information for each shot; and other data that may be required to control the blasting.

The CONTRACTOR shall submit to the Blast Consultant for review a completely detailed blasting plan of each blast at least 48 hours prior to preparing for, drilling or loading the holes. These details shall include the location of all holes relative to the excavation plans and sections, the size of all holes, the typical loading pattern of each hole, the distribution of charge within each hole, and the number of each delay.

3-2.01. Pre-Blast Survey. CONTRACTOR shall perform a pre-blast survey of all utilities, structures, and other facilities adjacent to the blast site to determine the condition of structures and facilities susceptible to damage from blasting operations. The pre-blast survey shall include all structures and facilities within a minimum of 500 feet radius of the area to be blasted, including the lake spillway structure even if outside the distance limits specified. The survey notification to all property owners, tenants, and other agencies and the area of survey shall be in conformity with the requirements of the authority having jurisdiction thereover or as determined by CONTRACTOR'S insurance company if no local ordinance applies. CONTRACTOR shall submit the pre-blast survey report for record purposes to the ENGINEER for review two weeks before any blasting begins.

3-2.02. Blast Monitoring. Prior to the start of CONTRACTOR'S blasting, CONTRACTOR shall measure background ground vibrations. Blasting shall be monitored by the Blast Consultant using CONTRACTOR-furnished monitoring devices. The Blast Consultant will be responsible for the location and placement of these monitoring devices.

Establish appropriate maximum limit for peak particle velocity for each structure or facility that is adjacent to, or near blast sites. Base maximum limits on expected sensitivity of each structure or facility to blast induced vibrations and federal, state, or local regulatory requirements, but not to exceed two-inches per second when frequency is 40-Hz or greater, and 0.75 inches per second when frequency is less than 40-Hz.

The CONTRACTOR shall monitor each blast with three approved seismographs located, as approved, between the blast area and the closest structures subject to blast damage. The seismograph used shall be capable of recording particle velocity for three mutually perpendicular components of vibration in the range generally found with controlled blasting as well as air overpressure. The seismographs must be capable of storing data in digital form, which can be electronically transferred. The type of seismograph instrumentation, and the method of use, must conform to the general guidelines for proper use of seismographs.

An air blast-monitoring system shall be installed between the main blasting area and the nearest structures subject to blast damage or annoyance. The equipment used to make the air blast measurements shall be the type specifically manufactured for that purpose. Peak overpressure shall be held below 90 decibels (dB) linear peak method at the nearest structures or other designated location. Blast mats or shaft cover shall be used to prevent venting of blasts and to minimize air blast and noise levels produced by the blasting operations.

CONTRACTOR shall submit measurement records of the blast monitoring to the ENGINEER for record purposes within 24 hours after each blast.”

D. CHANGES AND/OR CLARIFICATIONS TO THE CONTRACT DRAWINGS

1. Drawing A-C503; replace the pipe centerline note on Section 2 with the following:

“C/L 18” O.D. SCH 10 STL PIPE W/ CLASS B RING FLANGE.
GALVANIZE AFTER FABRICATION.”

E. CHANGES AND/OR CLARIFICATIONS TO THE APPENDICES AND DVD

1. None.

F. CHANGES AND/OR CLARIFICATIONS TO THE STANDARD DETAILS

1. None.

ATTACHMENTS

1. None.
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No compact disk (CD) is issued with this addendum. For an electronic .PDF of this addendum, visit the following website:

http://www.slocounty.ca.gov/PW/NacWP/Construction_Bidding_Phase/Addenda.htm

End of Addendum 3