

**CITY OF TORRANCE, CALIFORNIA**

**ADDENDUM NO. 1**

**Issued: September 23, 2009**

**TO**

**PROPOSAL, SPECIFICATIONS, BOND AND  
AFFIDAVIT FOR THE CONSTRUCTION  
OF  
DEL AMO BOULEVARD EXTENSION, T-30 – PHASE 1  
REROUTE OF TWO WATER AND TWO SEWER PIPELINES  
B2009-37**

Note the following changes and/or additions to the Plans and Specifications for the project indicated above. The bidder shall execute the Certification at the end of this addendum, and shall **attach all pages of this addendum to the Contract Documents submitted with the Bid**. In addition, the bidder shall fill out and submit the "Acknowledgment of Addenda Received" Form provided in Section C of the Specifications.

1. Refer to WATER PLAN SHEETS W-100 THROUGH W-105 (sheets 7 through 12 of 31) for the 24" CITY OF TORRANCE WATER LINE.

The Plan Sheets refer to a proposed City 24-inch Ductile Iron Pipe (D.I.P.) Class 350 water pipe per AWWA C151. The City will consider a 24-inch Cement Mortar Lined and Cement Mortar Coated Steel Pipe (CL&C) as an acceptable alternative provided, however, that it be fabricated per AWWA C200 and meet the requirements listed on Water Plan Sheet W-201 (sheet 14 of 31) for the California Water Service Company water pipeline.

Any and all references (i.e. Construction Notes, Contractor Notes, Plan or Profile, etc.) to the proposed 24-inch Ductile Iron Pipe (D.I.P.), Class 350 water pipeline system shall also be considered to be a reference to the 24-inch Cement Mortar Lined and Cement Mortar Coated Steel Pipe (CL&C) water pipeline system.

2. Refer to the BIDDER'S PROPOSAL on blue-colored paper that is included with the Contract Documents

For Bid Item #10, "24" WATER PIPELINE (CITY)", the Bidder shall list its unit price for either the 24-inch Ductile Iron Pipe (D.I.P.) Class 350 water pipeline system **OR** the 24-inch Cement Mortar Lined and Cement Mortar Coated Steel Pipe (CL&C) water pipeline system. The bidder shall indicate below the type of pipe that corresponds to its unit price shown in the Bidder's Proposal for Bid Item #10.

\_\_\_ 24-inch D.I.P. Class 350                      **OR**                      \_\_\_ 24-inch CL&C

3. Refer to Special Provisions Section E – SECTION 2-13 GEOTECHNICAL REPORT on pages E-11 and E-12.

Add the following paragraph:

“The geotechnical report for the project is also available for viewing on the City’s website at <http://www.torranceca.gov/9980.htm>.”

4. Refer to Special Provisions Section 7-5 Permits on page E-21

Add the following paragraph to Section 7-5.1:

“The Contractor shall incorporate the conditions of the Underground Classification provided in Appendix XX of these Specifications into the Health & Safety Plan. Payment for implementation of the conditions of the Underground Classification shall be included in the in the unit bid price for the Health & Safety Plan and no additional compensation will be allowed.”

5. Refer to Special Provisions Section E - SECTION 306-1.2.17 Sanitary Sewer Manholes on page E-49.

Delete the last paragraph at the bottom of page E-49 regarding “Payment” and replace with the following paragraph:

**“Payment.** New sanitary sewer manholes (LACSD & CITY) shall be paid at the unit Bid price each, accepted in place. Bid price shall include all the manhole subbase, base, sections, frame and cover, and incidental items to complete the work. Note: Due to proximity of existing oil pipelines near LACSD Manhole 1 at STA 9+91.83 and Manhole 6 at STA 16+19.25, it is recommended that LACSD Manhole 1 and Manhole 6 be completely constructed subsequent to the relocation of oil pipelines. The contractor is not prevented from constructing the base portion of said manholes prior to the relocation of oil pipelines; however, there shall be no additional compensation paid to the contractor should there be a delay between its ability to construct the base portion from the remainder of the manhole.”

6. Refer to Attachment A herein related to APPENDIX XX – CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY & HEALTH, MINING AND TUNNELING UNIT, UNDERGROUND CLASSIFICATION of the Specifications.

Attachment A herein contains 4 sheets from the Department of Industrial Relations that were inadvertently omitted from APPENDIX XX of the original Specifications. These 4 sheets are now hereby considered to be included in the Specifications.

7. Refer to Attachment B herein related to APPENDIX XXI – SOIL MANAGEMENT PLAN of the Specifications.

Attachment B herein contains 4 pages (pages 17 through 20) from the Soil Management Plan that were inadvertently omitted from APPENDIX XXI of the original Specifications. These 4 sheets are now hereby considered to be included in the Specifications.

By Order of the City Engineer

/S/ Craig Bilezerian

CRAIG BILEZERIAN  
City Engineer

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained therein.

\_\_\_\_\_  
Bidder

\_\_\_\_\_

By

\_\_\_\_\_

Date

**\*\*\*\*\* Submit this executed form with the bid \*\*\*\*\***

**Please fill out and submit the  
“Acknowledgment of Addenda Received” form  
provided in Section C of the Specifications.**

Attachment A

**SUPPLEMENTAL MATERIAL FOR APPENDIX XX**

**CALIFORNIA DIVISION OF OCCUPATIONAL SAFETY & HEALTH, MINING AND  
TUNNELING UNIT, UNDERGROUND CLASSIFICATION**

STATE OF CALIFORNIA

ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS  
**DIVISION OF OCCUPATIONAL SAFETY  
AND HEALTH ADMINISTRATION**  
MINING AND TUNNELING UNIT  
8150 VAN NUYS BOULEVARD, SUITE 310  
VAN NUYS, CA 91401-3333  
(818) 901-5420 FAX (818) 901-5579



September 22, 2009

City of Torrance – Public Works Dept  
20500 Madrona Avenue  
Torrance, CA 90503

Attention: Lauren Sablan, Associate Civil Engineer

Subject: Underground Classification Numbers: C022-037-10T, C023-037-10T, C024-037-10T  
Water Line Relocation – Del Amo Blvd Extension

Dear: Ms. Sablan:

The information provided to this office regarding the above project has been reviewed. On the basis of this analysis, Underground Classifications of "Potentially Gassy with Special Conditions" have been assigned to the tunnels identified in your submittal. Please provide a true and accurate copy of the Classifications to the Drilling/Excavation/Construction Contractor and insure that a copy of the Classification is posted at the job site.

Kindly insure that the Sub-Contractor notify this office to schedule the mandated Pre-job Safety Conference with the Division prior to commencing any activity associated with the project.

Also, be advised that, whenever an employee enters any bore or shaft being constructed under 30-inches in diameter, the Mining and Tunneling Unit then has immediate jurisdiction over that job. Please contact us prior to entering such spaces.

If you have any questions on these subjects, please contact this office at your earliest convenience.

Sincerely,

James Wittry for:

A handwritten signature in cursive script that reads "Tony Serpas".

Tony Serpas  
Senior Engineer

c: File



State of California  
Department of Industrial Relations  
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH  
MINING AND TUNNELING UNIT

Van Nuys Office R5D2

# Underground Classification

C022-037-10T

City of Torrance Water Line  
Del Amo Blvd Extension  
(NAME OF TUNNEL OR MINE AND COMPANY NAME)

of City of Torrance, Public Works Department  
20500 Madrona Ave Torrance, CA 90503  
(MAILING ADDRESS)

at Under Railroad Tracks; Del Amo Blvd Between Crenshaw Blvd & Maple Ave,  
Torrance, Los Angeles County, California  
(LOCATION)

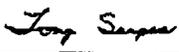
has been classified as \*\*\*POTENTIALLY GASSY with SPECIAL CONDITIONS\*\*\*  
(CLASSIFICATION)  
as required by the California Labor Code Section 7935.

The Division shall be notified if sufficient quantities of flammable gas or vapors have been encountered underground. Classifications are based on the California Labor Code Part 8, Tunnel Safety Orders and Mine Safety Orders.

A 36" by approximately 165 LF steel casing to be jacked under railroad tracks between Station 10+92 and Station 12+57, Torrance, LA County, CA, Line Segment 7604, Mile Post 20.19.

### \*\*\* SPECIAL CONDITIONS \*\*\*

1. Pre-entry and continuous monitoring of tunnel for flammable, combustible and/or toxic gas shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the tunnel.
2. Positive mechanical ventilation shall be provided at any time a person is permitted to enter the tunnel, and at any other location where it is required for employee safety and health.
3. Continuous monitoring for flammable and combustible gas inside the bore pit shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the bore pit.
4. The Division shall be immediately notified if any Flammable Gas or Petroleum Vapor exceeds 5% of the LEL.
5. All utilities that may be in conflict with the operation shall be identified and physically located (potholed) prior to start of operations.

Date September 22, 2009  
J. Wiltry For:  
Tony Sarpas  
  
(Senior Engineer)



State of California  
Department of Industrial Relations  
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH  
MINING AND TUNNELING UNIT

Van Nuys Office R5D2

# Underground Classification

C023-037-10T

California Water Service Company - Water Line  
Del Amo Blvd Extension  
(NAME OF TUNNEL OR MINE AND COMPANY NAME)

of California Water Service Company  
2632 W. 237th Street Torrance, CA 90505  
(MAILING ADDRESS)

at Under Railroad Tracks: Del Amo Blvd Between Crenshaw Blvd & Maple Ave,  
Torrance, Los Angeles County, California  
(LOCATION)

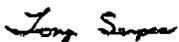
has been classified as \*\*\*POTENTIALLY GASSY with SPECIAL CONDITIONS\*\*\*  
(CLASSIFICATION)  
as required by the California Labor Code Section 7955.

The Division shall be notified if sufficient quantities of flammable gas or vapors have been encountered underground. Classifications are based on the California Labor Code Part 9, Tunnel Safety Orders and Mine Safety Orders.

A 30" by approximately 157 LF steel casing to be jacked under railroad tracks between Station 11+74 and Station 13+31, Torrance, LA County, CA, Line Segment 7604, Mile Post 20.19.

### \*\*\* SPECIAL CONDITIONS \*\*\*

1. Pre-entry and continuous monitoring of tunnel for flammable, combustible and/or toxic gas shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the tunnel.
2. Positive mechanical ventilation shall be provided at any time a person is permitted to enter the tunnel, and at any other location where it is required for employee safety and health.
3. Continuous monitoring for flammable and combustible gas inside the bore pit shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the bore pit.
4. The Division shall be immediately notified if any Flammable Gas or Petroleum Vapor exceeds 5% of the LEL.
5. All utilities that may be in conflict with the operation shall be identified and physically located (potholed) prior to start of operations.

Date September 22, 2009  
J. Wiltry for  
Tony Sampa  
  
(Senior Engineer)



State of California  
Department of Industrial Relations  
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH  
MINING AND TUNNELING UNIT

Van Nuys Office RSD2

# Underground Classification

C024-037-10T

California Water Service Company - Water Line  
Del Amo Blvd Extension

(NAME OF TUNNEL OR MINE AND COMPANY NAME)

of California Water Service Company  
2632 W. 237th Street Torrance, CA 90505  
(MAILING ADDRESS)

at Under Railroad Tracks: Del Amo Blvd Between Crenshaw Blvd & Maple Ave,  
Torrance, Los Angeles County, California  
(LOCATION)

has been classified as **\*\*\*POTENTIALLY GASSY with SPECIAL CONDITIONS\*\***  
(CLASSIFICATION)

as required by the California Labor Code Section 7955.

The Division shall be notified if sufficient quantities of flammable gas or vapors have been encountered underground. Classifications are based on the California Labor Code Part 9, Tunnel Safety Orders and Mine Safety Orders.

A 30" by approximately 85 LF steel casing to be jacked under railroad tracks between Station 23+69 and Station 24+54, Alcoa Alum. Spur, LA County, CA, Line Segment 7604, Mile Post .032

### \*\*\* SPECIAL CONDITIONS \*\*\*

1. Pre-entry and continuous monitoring of tunnel for flammable, combustible and/or toxic gas shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the tunnel.
2. Positive mechanical ventilation shall be provided at any time a person is permitted to enter the tunnel, and at any other location where it is required for employee safety and health.
3. Continuous monitoring for flammable and combustible gas inside the bore pit shall be provided by a Certified Gas Tester at any time personnel are permitted to enter the bore pit.
4. The Division shall be immediately notified if any Flammable Gas or Petroleum Vapor exceeds 5% of the LEL.
5. All utilities that may be in conflict with the operation shall be identified and physically located (potholed) prior to start of operations.

Date September 22, 2009  
*J. Wittry for:*  
Tony Serpas

*Tony Serpas*  
(Senior Engineer)

Attachment B

**SUPPLEMENTAL MATERIAL FOR APPENDIX XXI**

**SOIL MANAGEMENT PLAN**



- Contractor will prepare a project HASP that meets the criteria set forth in 29 CFR 1910.120 and Title 8 CCR 5192. The HASP will apply to all on-site personnel and visitors. The Contractor will maintain a copy of the approved HASP at an accessible, on-site location for the duration of the contract.
- The HASP will include a Community Health and Safety Plan section. The objective of this section will be to promote a safe and healthy environment for the public by minimizing community exposures to hazards from site activities and/or releases that may migrate off site, and by promoting community awareness.
- The HASP will evaluate the potential COPCs that may be encountered on site, based on previous and current environmental assessment information, and previous site usage. The HASP will also evaluate other potential hazards from project activities and site conditions. The HASP will identify the appropriate training of on-site personnel, personal protective equipment (PPE), and engineering controls that may be required to implement the provisions of the HASP.
- The HASP will have provisions to monitor project activities and site conditions by a qualified Site Safety Manager (SSM) designated by the Contractor. The HASP will describe procedures for continuous and periodic monitoring during site activities, and sampling of various media for COPCs.
- The HASP will include a Hazard Communication/Right to Know program.
- The HASP will describe emergency action plans to respond to incidents and accidents that may occur on the project site. The HASP will include route maps to nearby hospitals and emergency procedures. The hospitals will have appropriate business hours and be capable of administering to the needs of medical situations that may occur. The HASP will define the chain-of-command and notification procedures for project activities related to health and safety and for emergency situations. The HASP will also include provisions for immediate medical care and first aid procedures.
- Material safety data sheets of the constituents of hazardous or contaminated substances that may be potentially encountered or used on site will be included in the HASP.

## **8.1 HEALTH AND SAFETY TRAINING REQUIREMENTS**

- All project personnel involved in site activities who may reasonably be expected to come into contact with hazardous substances will have completed 40 hours of off-site hazardous waste health and safety training and have current certification in accordance with OSHA.
- Any person serving as the SSM will have completed training described above and eight-hour hazardous waste site supervisor course meeting the criteria in 29 CFR 1910.120.
- The Contractor will be responsible for providing a competent person, as required by OSHA, for tasks requiring such competency.
- Proof of training and current certification(s) will be included in the HASP.



- Contractor performing work will be a licensed Contractor for handling of hazardous waste.

## **8.2 HEALTH AND SAFETY MEETINGS**

- The SSM will conduct daily on-site health and safety meetings according to the HASP. The daily meetings will include the completion of a checklist, documenting conformance by on-site personnel with the HASP, implementation of administrative, engineering, and traffic controls, environmental monitoring, compliance with decontamination and good housekeeping practices, compliance with protocol of entering and exiting site, incident log, and a review of associated responses to incidents.
- The Contractor will maintain a log documenting worker attendance at the daily meetings. The log will include written confirmation, signed and dated by the SSM and each attendee indicating that each attendee has read and understood the HASP, and agrees to abide by its provisions. The Contractor will maintain a copy of the log on site for the duration of the project and make the log available for review.
- The HASP will be read and understood by the Contractor, subcontractors, on-site personnel, and others, as appropriate, prior to initiation of construction activities.
- Contractor will ensure that on-site personnel have the appropriate training, current certifications, PPE, and monitoring equipment required by the HASP. The Contractor will be responsible for the health and safety of on-site personnel, including medical monitoring, in accordance with the HASP.

## **8.3 MONITORING**

- Monitoring for the presence of contamination will be the Contractor's responsibility and will be performed in all areas during project activities. The monitoring program will be consistent with the HASP and will follow the monitoring procedures and documentation requirements as stipulated in the HASP.
- The Contractor will maintain a daily log of monitoring results, including the date, time, location, type of instrument, instrument reading, and note of conditions or circumstances that may have influenced the readings. The instruments will be calibrated in accordance with manufacturer's specifications and the HASP. The Contractor will include the calibration data in the daily monitoring logs. The Contractor will maintain the daily monitoring log on site for the duration of the project and, with reasonable notice, make the log available for review.
- The SSM will be responsible for hazard recognition, accident prevention, and the maintenance and supervision of the on-site safety program. The SSM will be on site while work is ongoing.

## **8.4 COMMUNITY HEALTH AND SAFETY PLAN**

The primary objectives of the Community Health and Safety Plan (CHSP) are to maintain a safe and healthy environment for the public and site workers, reduce hazards, accidents, offsite releases and community exposure due to site activities, and provide an appropriate level of community awareness.

In accordance with generally accepted practices, procedures and controls will be implemented to reduce the potential for on-site activities to negatively impact the surrounding community. The Contractor is responsible for preparation and implementation of the CHSP. The following items should be included in the CHSP:

- Site Identification and Site Plan;
- Off-site Risks;
- Engineering Control Methods and Emergency Equipment;
- Site Monitoring;
- Site Safety Manager;
- Emergency Planning; and
- Public Notification.

## **9 PROJECT CLOSEOUT**

Following completion of on-site excavation activities, a final summary report will be sent to the client and City that describes and includes at a minimum, the extent of impacted soil encountered during excavation, the total volume of impacted soil transported for disposal, disposal manifests, sampling locations, soil sample analytical data, final grades prior to the placement of clean fill materials (if applicable), and recommendations for a post-closure monitoring and maintenance plan.

## REFERENCES

- AMEC Earth & Environmental, Inc., 2006. Foundation Report, Del Amo Boulevard Extension and Grade Separation Over BNSF Railroad, City of Torrance, California, submitted to Moffatt & Nichol Engineers, dated July 11, 2006. (AMEC Project Number 5212100600).
- EDAW, Inc., 2001. Phase II Soil Investigation Report, Del Amo Boulevard Extension, Torrance, California, dated July.
- EDAW, Inc., 2003. Recirculated Draft Environmental Impact Report/Environmental Assessment, Del Amo Boulevard Extension, Torrance, California, dated August.
- Severn Trent Laboratories, Inc., 2005a. Unpublished Analytical Results, Del Amo Boulevard Project, California, Report E5F170409, dated July 2005 (AMEC Project Number 5212100600).
- Severn Trent Laboratories, Inc., 2005b. Unpublished Analytical Results, Del Amo Boulevard Project, California, Report E5F270200, dated July 2005. (AMEC Project Number 5212100600).
- U.S. Environmental Protection Agency, 2008, Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites. RSL Table Update. Sept 2008.