

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Executive Office

MWD Colorado River Aqueduct, etc.  
Substr. Job No. 2001-04-007

May 13, 2005

Mr. Charles Landrey  
Project Manager  
Jacobs Civil, Inc  
3850 Vine Street, Suite 120  
Riverside, CA 92507

Dear Mr. Landrey:

Mid-County Parkway Alignment - Conflicts with MWD Facilities

This letter is regarding the proposed Mid-County Parkway project alignment alternatives located in Riverside County generally between Interstate 15 and the city of San Jacinto, north and south of Lake Mathews and south of Lake Perris.

The following comments provide a detailed explanation of potential conflicts between the proposed project alignments and Metropolitan's various facilities. The subject locations are referenced accordingly on the enclosed aerial photo map that delineates the project's alternative alignments, which your company submitted to Metropolitan.

I. Colorado River Aqueduct/Casa Loma Siphon-1<sup>st</sup> Barrel - at Sanderson Avenue

Just south of the Ramona Expressway, Metropolitan's 148-inch-inside-diameter Casa Loma Siphon crosses Sanderson Avenue (MWD Station 10933+40). There is an existing protective concrete slab in place at Sanderson Avenue and our pipeline is between 4 and 10 feet below grade at this location. This protective slab may need to be upgraded or extended depending on the limits of the corridor construction in this area. Enclosed are prints of our Casa Loma Siphon Drawings B-363-10, B-363-11, H-1224 and H-1300, and Drawing B-25759 for the protective slab.

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II. Colorado River Aqueduct, Inland Feeder and Lakeview Pipeline – between Bridge Street and Princess Ann Road

Just south of the Ramona Expressway at Princess Ann Road, Metropolitan's 185-inch-inside-diameter Colorado River Aqueduct monolithic concrete pipeline, 145-inch-inside-diameter Inland Feeder welded steel pipeline, and 133-inch-inside-diameter welded steel Lakeview Pipeline are all in close proximity to the proposed corridor alignment. Please submit detailed plans of your corridor project in this area for our review and written approval when available. Enclosed are prints of our Drawings B-363-9, B-60591, B-88361, B-88362 and B-88381 for our facilities in this area.

III. Inland Feeder – Davis Road/Hansen Avenue

Metropolitan's 145-inch-inside-diameter Inland Feeder welded steel pipeline is located at the intersection of Ramona Expressway and Davis Road and runs parallel to Ramona Expressway for approximately 800 feet. The pipeline is located approximately 15 feet below grade in this area and may need to be protected within the limits of your corridor improvements. Enclosed for your information are prints of our Drawings B-92103 and B-92104.

IV. Lake Perris Facilities

Metropolitan has a number of facilities and properties along the south side of Lake Perris that may be impacted by the proposed corridor. In addition, appropriate protection of our various pipelines and tunnels in this area may need to be undertaken. Enclosed are prints of our Drawings B-363, B-363-6, B-60445 through B-60447, B-60561, B-60562, B-60563, B-60564, B-65646 and B-65656 through B-65661 for your information and use.

a. Lake Perris Bypass Pipeline

The proposed corridor alignment must be kept outside the limits of this right-of-way except where it must cross the pipeline.

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b. Perris Power Plant

The proposed corridor alignment must be kept outside the limits of our power plant and pressure control facility right-of-way.

c. Bernasconi Tunnels No. 1 and No. 2 – West and East Portals

Appropriate access will need to be provided to Metropolitan to these portal sites for routine maintenance and repairs.

V. SR-215 – Chemical Unloading Facilities

a. Metropolitan owns and operates a chemical unloading facility just west of the proposed SR-215 interchange. The proposed alignment should not encroach into any area of this property. Please note that Metropolitan may be performing major upgrades to this facility in the near future. We will keep you informed of changes to this facility as they occur. Enclosed are prints of our Drawings B-26979 and B-26980 for your information and use.

b. In addition, just east of the chlorine facility extending approximately to the Cajalco Dam, Metropolitan's 183-inch-inside-diameter Colorado River Aqueduct Valverde Tunnel is longitudinally in close proximity to the proposed alignment with an average depth of 150 to 200 feet. Your proposed corridor must have no impact on this tunnel.

VI. Cajalco Dam – El Sobrante Road and Cajalco Road (East of Lake Mathews)

The proposed alignment may require modifications to the existing Cajalco Dam facility, which would have to be coordinated with Metropolitan, Riverside County Flood Control District and the California Division of Safety of Dams (DSOD). Also, access to the facility will need to be maintained. Enclosed are prints of our Drawings A-1178, H-1362 and H-1363 for your information and use.

Metropolitan's facilities between the Cajalco Dam and our Lake Mathews

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facility may also be affected where the Valverde Tunnel transitions into an outlet channel. Detailed plans of your proposed corridor improvements will be required in order to determine potential impacts to our facilities. Enclosed are prints of our Drawings B-363-1 through B-363-4 for your information and use.

VII. Lake Mathews Facilities, Upper Feeder and Lower Feeder

- a. The alignment of your proposed corridor in proximity to our Lake Mathews Dike No. 1 at McAllister Street would involve the removal of a hill that is acting as a buttress for this dike, which is unacceptable. Metropolitan cannot allow any activity which has the potential to compromise or reduce the factor of safety of this dike. Your corridor alignment will need to be revised such that no material is removed from this abutment area. Any construction in this area will also require DSOD approval.
- b. Seepage pipes located at the face of this dike may also be affected. Any impacts to these pipelines will need to be mitigated.
- c. Metropolitan's main entrance to our Lake Mathews facility is accessed from El Sobrante Road. The proposed alignment appears to interfere with this access. If this alignment will bridge over La Sierra Avenue, the height should be such that it allows all of our vehicles to cross under the overcrossing.
- d. Metropolitan's 140-inch-inside-diameter Upper Feeder pipeline crosses the proposed alignment just west of La Sierra Avenue. This pipeline will need to be protected in place.
- e. Metropolitan's 108-inch-inside-diameter Lower Feeder pipeline and related above-ground facilities, including a small hydroelectric power plant, may be impacted by your proposed corridor alignment and auxiliary road between Lake Mathews and Temescal Canyon Road. As shown on the enclosed drawings, Metropolitan facilities include, but are not limited to, two standpipes, a control tower, a venturi meter and the Temescal Power

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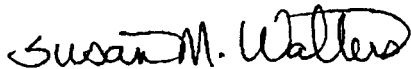
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Plant. Please provide detailed information on how these facilities will be protected in place and how Metropolitan's access will be maintained in this area.

Enclosed for your information are prints of our Lower Feeder pipeline and tunnel Drawings B-9363, B-10203 through B-10212, B-21226 and B-21227 and above-ground facility Drawings B-10275, B-10282, B-10283, B-30310 through B-30314, B-30398 and B-30399.

For any further correspondence with Metropolitan relating to this project, please make reference to the Substructures Job Number located in the upper right-hand corner of this letter. Should you require any additional information, please contact Mr. Ish Singh at (213) 217-6679.

Very truly yours,



for Kieran M. Callanan, P.E.  
Manager, Substructures Team

IS/ly  
DOC 2001-04-007  
Enclosures (53)