



THE CITY OF SAN DIEGO

November 14, 2006

Ms. Tonya Carter  
CalTrans District 11  
4050 Taylor Street  
San Diego, CA 92110

Dear Ms. Carter:

Subject: Will Serve Letter - Route 52, 11-SD-52, PM 7.5-13.3, 11-273-267301

This letter will confirm water availability for the above-referenced project. The project is located within the City of San Diego water service area. This location will have water facilities for this project's use. The only City water main is in Santo Road, a City fire hydrant (500 feet south of the on and off ramps on the south side of 52 (see attached map). The existing water facilities that serve this area are complete.

At this time, the City of San Diego is able to provide potable water for this constructed project through the existing fire hydrants in the area. On April 21, 1991, the San Diego City Council instituted a 20 percent water conservation goal and this goal remains in effect today. Because San Diego imports 90 percent of its water, water customers are encouraged to use water efficiently.

Construction water connections are to use City fire hydrant meters. For information, call the City Meter Shop @ (619) 527-7452. These connections are requested per required demand estimated at 665,000 gallons of water (6,000 GPD), over the period of 10 months of construction. All connections are governed by City ordinances and regulations concerning connections, constructions, capacity charges, permit fees and matters pertaining thereto.

If further information is required, please contact me at (619) 533-5146.

Sincerely,

Rudy Benitez, Jr.  
Assistant Engineer-Civil



Capital Improvements Program • Water Department

600 B Street, Suite 700, MS 907 • San Diego, CA 92101-4506

Tel: (619) 522-4242 Fax: (619) 522-5978

# Memorandum

To : MELBA FULLER-FABIEN (MS 340)  
Project Engineer  
Design

Date: September 25, 2006

File: 11-SD-52  
PM 7.5/ 13.3  
EA 11-267301

From : DEPARTMENT OF TRANSPORTATION - DISTRICT 11  
MATERIALS ENGINEERING BRANCH

Subject: CORROSION RECOMMENDATIONS

In accordance with your request dated September 13, 2006, we have developed corrosion recommendations for the subject project. The recommendations are based on the materials report for 11-010171 (PM 7.3/11.6) and the materials report for 11-010201 (PM 11.6/14.3). These reports show the project soils to be moderate to highly corrosive to metal. Due to the aggressive environment the use of corrugated metal pipe, aluminum, or aluminumized-steel corrugated culverts is not recommended.

### Recommendations for New Culverts

1. Alternative Pipe Culvert (APC), either Polyethylene Pipe (Type S), Ribbed Profile Wall Polyethylene Pipe, or Ribbed Profile Wall Polyvinyl Chloride Pipe that meet Caltrans' current diameter and fill height requirements.
2. Reinforce Concrete pipe (RCP) having the following or equivalent designed specifications.

Type II Modified cement or Type V cement using 7 sacks/CY cement content with 25% mineral admixture replacement, concrete cover of 2.5 inches, total mix water of 15% by volume, and a maximum water-to-cementitious ratio of 0.40.

~~These recommendations assume non-abrasive conditions. If you have questions or comments, please telephone R. Avila 858-467-4069, or FAX at 8588-467-4063.~~



Ruben Avila  
Assistant Pavement Engineer



David Evans  
District Pavement Engineer

cc: APadilla, DME  
P File

