

**MOORPARK CITY COUNCIL  
AGENDA REPORT**

**TO:** Honorable City Council

**FROM:** Yugal K. Lall, City Engineer/Public Works Director

*Y L by 10/24*

**DATE:** March 14, 2007 (CC Meeting of 03/21/07)

**SUBJECT:** Consider Approval of Conceptual Design for the Construction of Raised Landscaped Medians on Los Angeles Avenue between State Route 23 and Tierra Rejada Road

**BACKGROUND**

Caltrans has developed Context Sensitive Design Guidelines which include provisions for the construction of raised medians, landscaping, and other aesthetic treatments on State highways, as a means to improve aesthetics and better control traffic flow.

In August of 2006, the City Council approved the selection of a civil engineering firm, Tetra Tech, Inc., to prepare design plans for the construction of raised, landscaped medians on the subject segment of Route 118. The first step in that design effort was the preparation of the Conceptual Design for the project.

**DISCUSSION**

**A. Conceptual Design**

The draft Conceptual Design is attached as Attachment 1. One of the primary purposes of this conceptual design is to show where all of the median breaks will be and, where left-turn movements will no longer be possible as the result of construction of raised medians.

The attached conceptual design was developed by the design consultant, with staff input. It is the view of staff that this design accommodates all significant needs for left-turn ingress and egress while accomplishing the primary goals of traffic safety/channelization and improved highway aesthetics.

## B. Restricted Turning Movements

The proposed Conceptual Design changes traffic patterns significantly at two locations, generally described as follows:

- Goldman Avenue: Medians will be constructed through the intersection, thus preventing left-turn movements at this uncontrolled intersection. It is the view of staff that traffic safety will be improved if left turn traffic to and from the industrial park on the north side of the highway were to be re-directed to Maureen Lane. This has been the Council direction since approval of Tract 5053 (Pacific Communities) At that time it was determined Maureen Lane (since installed) and Shasta Avenue would be signalized four-way intersection with no left turn movements at Goldman Avenue when a raised median is constructed.
- Moorpark Town Center (Ralph's market): Although the draft design for the median will allow both left-turn ingress and left-turn egress, it would be the intent of staff to pursue the placement of signs prohibiting left-turn egress during peak traffic hours. It is understood that this design does not accommodate left-turn traffic movements into the future shopping center to be constructed on the south side of the highway. It is the view of staff that there is insufficient distance between this future driveway and Moorpark Avenue to provide for a westbound left-turn pocket at this location and that ample access will be provided to the future shopping center from the signalized intersection at both Moorpark Avenue and Park Lane.
- Moorpark Pines Apartments (east of Starbuck's): Although the median design does not address left-turn egress from the condo complex, it is the intent of staff to pursue future placement of signs prohibiting left-turn egress from this driveway.

## C. Caltrans Review

Upon approval of the Conceptual Design by the City Council, staff will meet with Caltrans to discuss and review the conceptual plans. Staff anticipates that Caltrans approval will be granted, however Caltrans may require more restricted turning movements. On Caltrans approval, staff will then direct the City's design consultant to proceed with preparation of the final plans and specifications for the project. On approval by Caltrans, staff will present to City Council with the findings. Staff will also interface with the businesses along this corridor that will be affected by restrictive left turn movements.

## D. Environmental Document

When and if the conceptual design is approved by Caltrans, staff will then proceed with preparation of the Environmental Document for the project, coincidentally with

preparation of the final design. Based on the level of environmental documents required by Caltrans, staff may have to hire an independent consultant to perform those tasks.

E. Fiscal Impact

1. **Total Project Cost Estimate:** The current total project cost estimate is as follows:

<u>Description</u>	<u>Amount (\$)</u>	
Design		
Design Consultant	302,058	
Design Support	80,000	382,058
Estimated Construction Cost		3,500,000
Construction Management/Inspection		100,000
Total		<u>3,982,058</u>

2. **L. A. AOC Fees:** This project is funded by the L.A. AOC Fund. The L. A. AOC fees were last updated in March of 2006. The revised L. A. AOC fees approved at that time are based, in part, on a list of future project to be funded by this source. That list includes the subject project. The project cost estimate cited in the March 2006 L. A. AOC fee report is substantially less than the above current project cost estimate. A summary of that difference is as follows:

<u>Description</u>	<u>Amount (\$)</u>
Current Project Cost Estimate	3,982,000
Less Current L A AOC Est.	<u>(2,400,000)</u>
Fee Shorefall	1,582,000

It should be noted that a complete analysis of L A AOC fee requirements would review all proposed future L A AOC fee-funded project. If such an analysis indicated a need to revise L A AOC fees, it is likely that the amount of the then proposed change in the fee would be something other than the \$1.5 million noted above. A review of the L. A. AOC fee will be initiated and presented to the City Council by September of this year.

3. **Budget:** The project is included in the FY 06/07 Budget as Project 8047 and is funded by Fund 2501: L A AOC Fund. A re-cap of the current budget is as follows:

<b>Project 8069</b>	Prior Years	FY 06/07	Appropriations
<u>Description</u>	<u>Actual Cost (\$)</u>	<u>Budget (\$)</u>	<u>Total (\$)</u>
Design	2,469	301,022	303,491
Construction	0	0	0
Construction Management	0	0	0
Total	<u>2,469</u>	<u>301,022</u>	<u>303,491</u>

A request for funding of construction and construction management will be presented to the City Council later.

F. Schedule

The anticipated project schedule is as follows:

Start Final Design and Environmental Document	August-07
Complete Design	April-08
Caltrans Final Design Approval	August-08
City Council Plan Approval / Authorization to Advertise	November-08
Award Contract	January-09
Commence Construction	February-09
Project Completion	July-09

G. Implementation

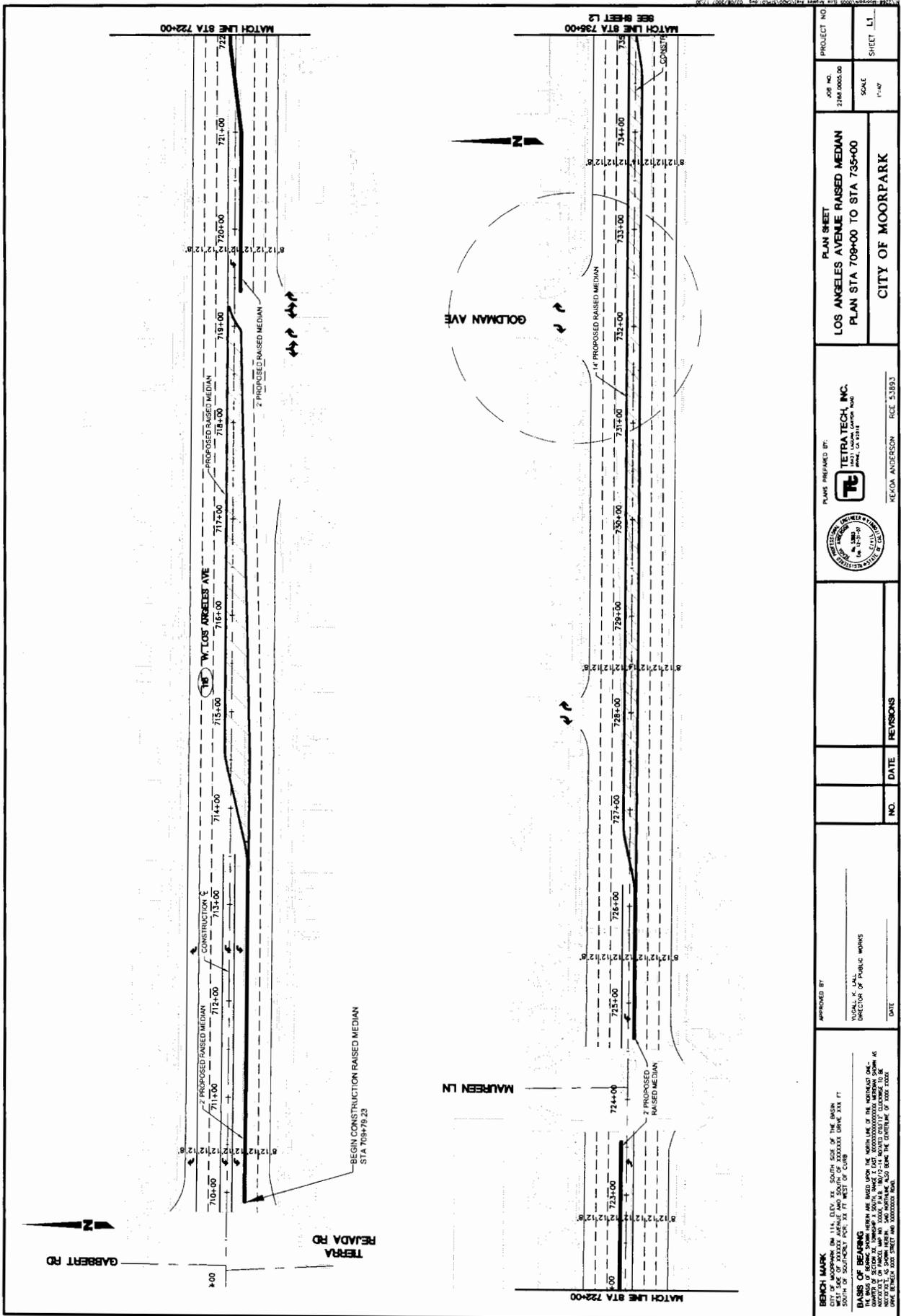
The segments of Los Angeles Avenue between Leta Yancy and Maureen Lane and between Spring Road and Moorpark Avenue must first be widened before medians can be constructed. It is anticipated that the widening of these portions will be accomplished before the installation of the medians. In the event street widening has not yet occurred, installation of medians in those reaches would be made a part of the street widening project.

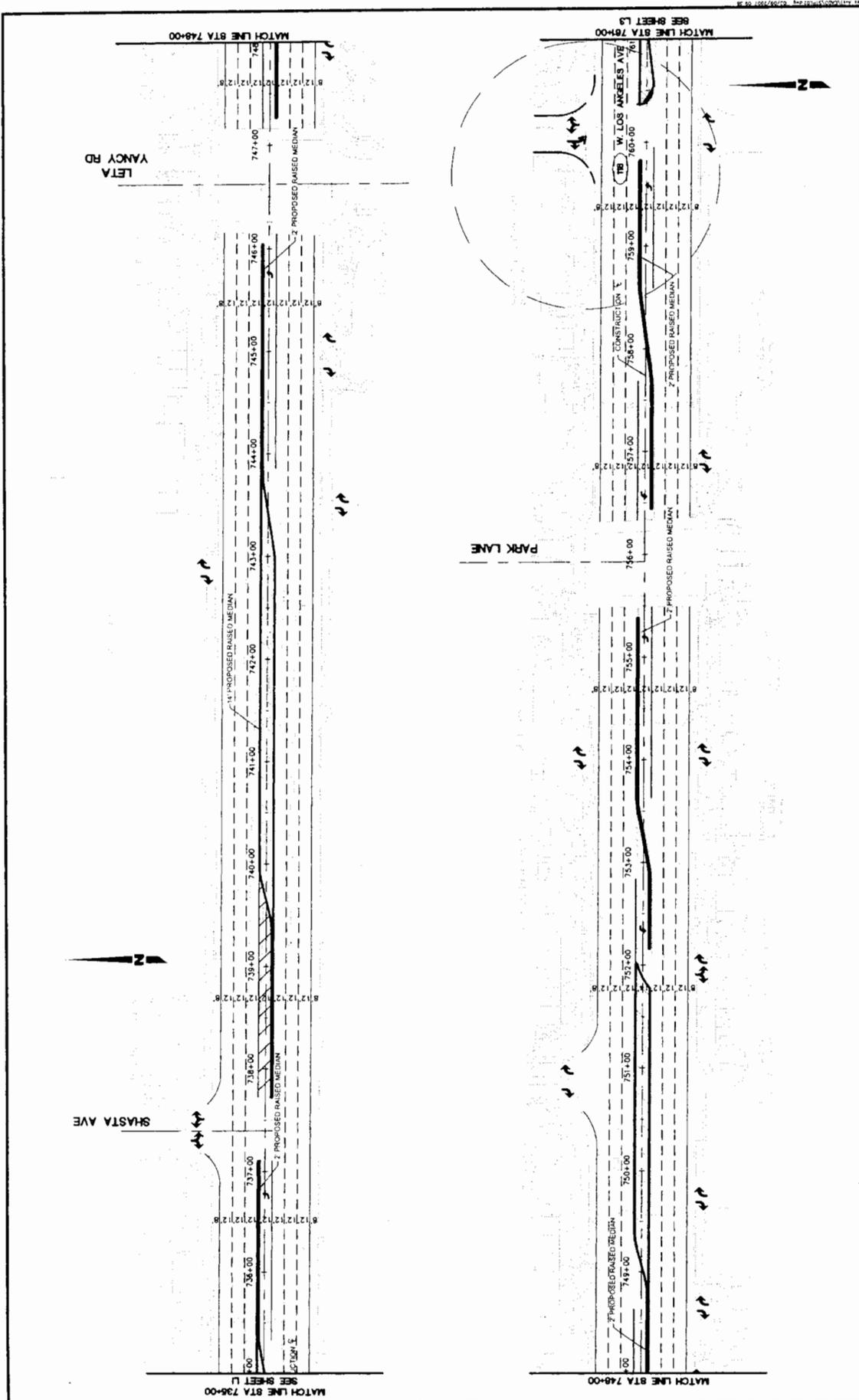
**STAFF RECOMMENDATION**

Approve the Conceptual Design for the subject project.

Attachment:

1. Conceptual Design

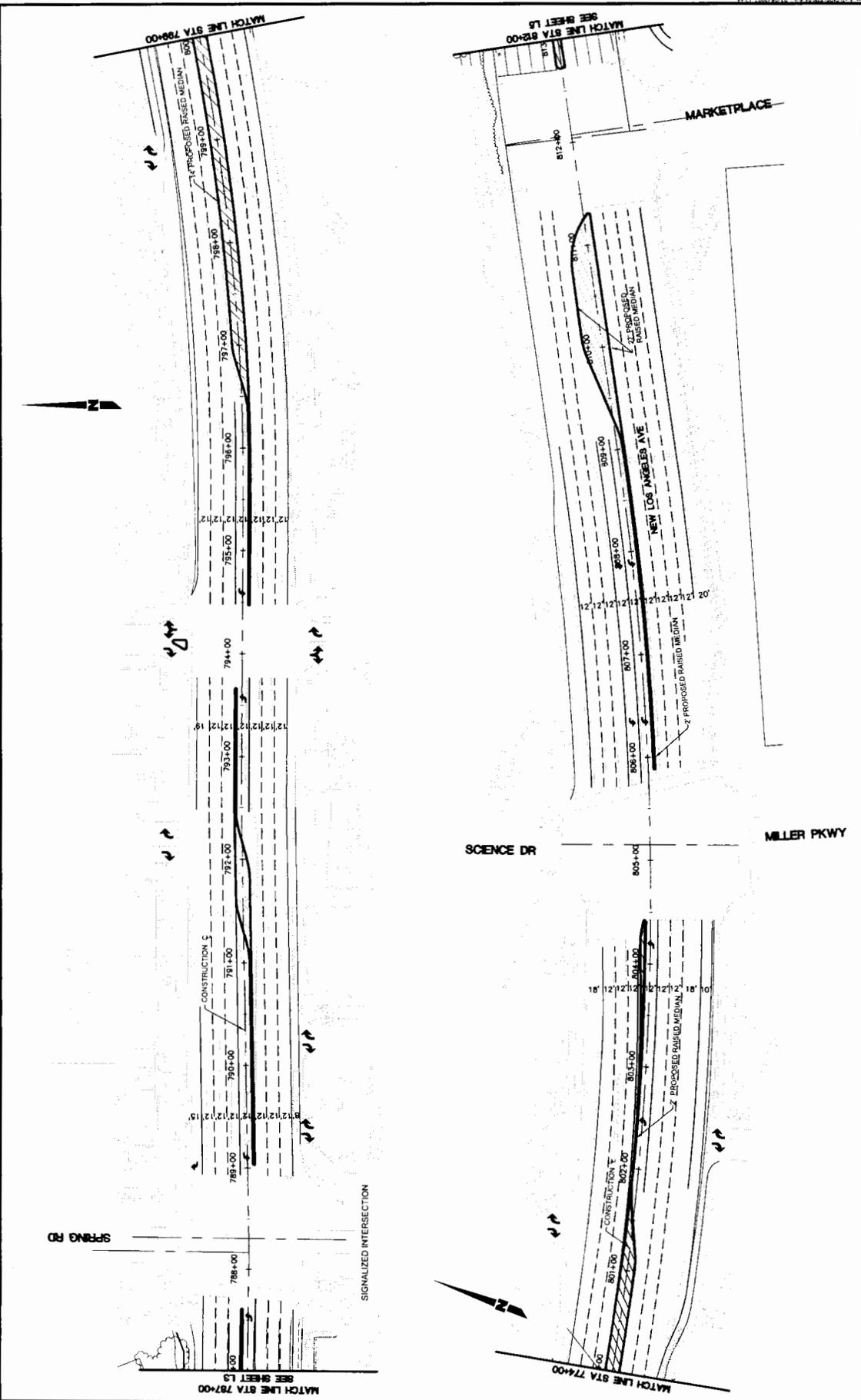




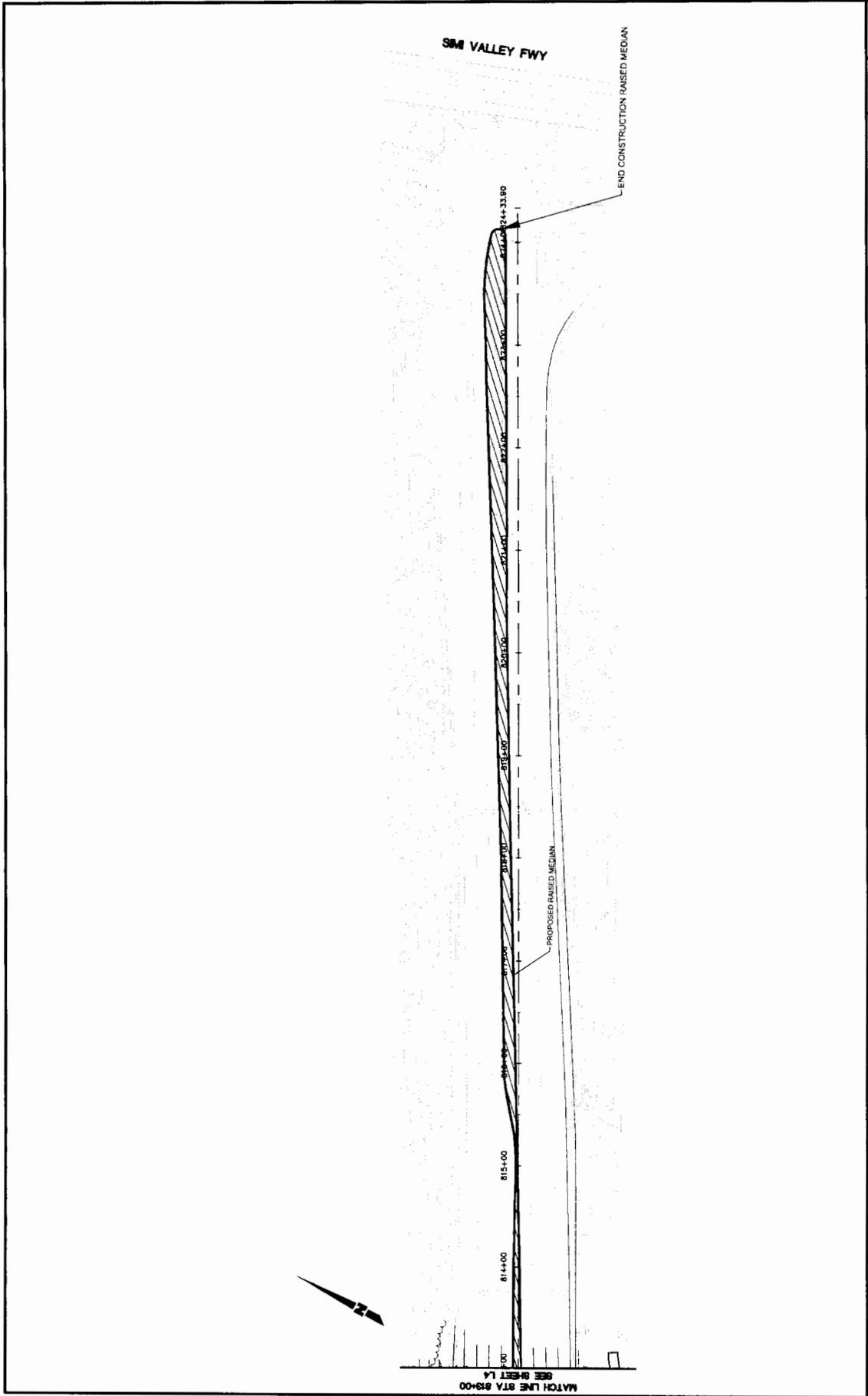
<b>BENCH MARK</b> CITY OF MOORPARK THE 1/4" LETA TO SOUTH SIDE OF THE BLOCK SOUTH OF SOUTHERLY FOR 13 FT WEST OF CURB BASIS OF BEARING THE SIDE OF BLOCK CORNER MARKS ARE BEING SHOWN THE NORTH END OF THE MARKING LINE IS BEING SHOWN IN PARALLEL WITH THE 20000.00 L.S. 10111111 BOUNDARY. ELEVATION TO BE SHOWN TO THE NEAREST TENTH OF A FOOT. THE BENCH MARK IS TO BE SET IN THE CORNER OF THE BLOCK AND BEING IN THE CORNER OF THE BLOCK.		APPROVED BY MICHAEL H. HALL DIRECTOR OF PUBLIC WORKS DATE	
PROJECT NO. JOB NO. 218A 0000.00		SCALE 1"=40'	
PLAN SHEET LOS ANGELES AVENUE RAISED MEDIAN PLAN STA 735+00 TO STA 761+00		SHEET L2	
PLANS PREPARED BY <b>TETRA TECH INC.</b> 1411 LINDEN AVENUE, SUITE 100 IRVINE, CA 92614		DESIGN AND CONSTRUCTION KEVIN ANDERSON RCE 518931	
CITY OF MOORPARK DEPARTMENT OF PUBLIC WORKS		REVISIONS NO. DATE	

810000





PROJECT NO. JOB NO. 2188.0003.00	SCALE 1"=40'	SHEET LA	PLAN SHEET <b>LOS ANGELES AVENUE RAISED MEDIAN</b> PLAN STA 787+00 TO STA 819+00 <b>CITY OF MOORPARK</b>	
			PLANS PREPARED BY:  <b>TETRA TECH, INC.</b> 1947 LAMAR AVENUE, SUITE 100 FORT WORTH, TEXAS 76102	
APPROVED BY: TUGAL K. LAL DIRECTOR OF PUBLIC WORKS		APPROVED BY: REJICA ANDERSON P.E. 53883		NO.
DATE		DATE		REVISIONS
BENCH MARK: 114.45' ELEV. AT SOUTH SIDE OF THE MARK WEST SIDE OF LOS ANGELES AVENUE AND SOUTH OF AVENUE DRIVE 100 FT SOUTH OF SQUIPMENT PARK AT WEST CORNER BASE OF BEARING: 114.45' ELEV. AT SOUTH SIDE OF THE MARK, LINE OF THE MARKS AS QUANTITY OF STATION IS 114.45' ELEV. AT SOUTH SIDE OF THE MARK, LINE OF THE MARKS AS QUANTITY OF STATION IS 114.45' ELEV. AT SOUTH SIDE OF THE MARK, LINE OF THE MARKS AS QUANTITY OF STATION IS 114.45' ELEV. AT SOUTH SIDE OF THE MARK, LINE OF THE MARKS AS QUANTITY OF STATION IS 114.45' ELEV. AT SOUTH SIDE OF THE MARK, LINE OF THE MARKS AS				



<b>BENCH MARK</b> CITY OF MOORPARK, RM 114, ELEV. 24, SOUTH SIDE OF THE BASIN SOUTH OF SOUTHWEST CORN. 153 FT. WEST OF CURB SOUTH OF SOUTHWEST CORN. 153 FT. WEST OF CURB		<b>APPROVED BY</b> TUDOR K. LAKE, P.E. DIRECTOR OF PUBLIC WORKS DATE _____		<b>NO.</b> <b>DATE</b> <b>REVISIONS</b>	
<b>BASES OF BEARING</b> THE BASES OF BEARING SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE METROPOLITAN ONE-FOURTH QUARTER SECTION 14, TOWNSHIP 14 N., RANGE 114 E., COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN HEREON. THE COORDINATE ALSO BEING THE CENTERLINE OF ROAD 112222. THE BASES OF BEARING SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE METROPOLITAN ONE-FOURTH QUARTER SECTION 14, TOWNSHIP 14 N., RANGE 114 E., COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN HEREON. THE COORDINATE ALSO BEING THE CENTERLINE OF ROAD 112222. THE BASES OF BEARING SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE METROPOLITAN ONE-FOURTH QUARTER SECTION 14, TOWNSHIP 14 N., RANGE 114 E., COUNTY OF LOS ANGELES, CALIFORNIA, AS SHOWN HEREON. THE COORDINATE ALSO BEING THE CENTERLINE OF ROAD 112222.		<b>PLANS PREPARED BY:</b>  <b>TETRA TECH, INC.</b> 10000 W. CENTURY BLVD., SUITE 1000 LOS ANGELES, CA 90045-1000 PHONE: (310) 551-1000 FAX: (310) 551-1001 WWW: WWW.TETRA-TECH.COM		<b>PLAN SHEET</b> LOS ANGELES AVENUE RAISED MEDIAN PLAN STA 813+00 TO STA 825+00 CITY OF MOORPARK	
<b>JOB NO.</b> 2180 0005 00		<b>PROJECT NO.</b> L5		<b>SCALE</b> 1"=40'	