Council Meeting of
August 18, 2009

Honorable Mayor and Member
of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: Public Works - Appropriate funds and approve a project for design and construction of Western Avenue Water Main Replacement and Street Repairs. Expenditure: $1,800,000

RECOMMENDATION:

Recommendation of the Public Works Director that City Council:

1. Appropriate $100,000 from the Water Enterprise Fund and approve a project budget for design and construction of the Western Avenue Water Main Replacement and Street Repairs; and

2. Transfer $1,700,000 from North Torrance Water Main Replacement, CIP No. I-74 to Western Avenue Water Main Replacement and Street Repairs.

Funding

Funding of $100,000 is available from the Water Enterprise Fund balance and $1,700,000 from I-74.

BACKGROUND/ANALYSIS

The 69 year old 12 inch cast iron water main in Western Avenue has failed twice in the past year, between 190th Street and Del Amo Boulevard. While Western Avenue is a State Highway and maintained by Caltrans, the water line and any street repair due to a water main break is the responsibility of the City. The City was about to proceed with street repairs caused by the first water main break when the second water main break occurred. This project will provide design and construction of more than eight-tenths of a mile of a new 12 inch ductile iron water main and permanent repair of the roadway structural section where the two previous breaks occurred. Please see location maps attached for limits of water main replacement and street repairs.

Staff has identified this project as a priority now because both water main failures in Western Avenue require extensive permanent pavement repairs and the

potential for future main breaks due to the condition of the pipe. Western Avenue is also a major north/south arterial roadway and main breaks have severe traffic impacts for the City of Torrance and the businesses in the area. The line has also been identified for replacement in the 2002 Water System Master Plan.

Staff is requesting a transfer of $1,700,000 from North Torrance Water Main Replacement, CIP No. I-74 to Western Avenue Water Main Replacement and for the balance of $100,000 to be appropriated from the Water Enterprise Fund. Construction for CIP No. The I-74 project will be included in future capital budgets but the recent breaks in Western Avenue have made this segment of pipe a higher priority at this time.

With City Council's approval of the project and the attached Infrastructure Action Plan, staff will proceed with design in-house and will advertise for construction of the Western Avenue Water Main Replacement and Street Repairs.

Respectfully Submitted,

ROBERT J. BESTE
Public Works Director

By John Dettle
Acting City Engineer

CONCUR:

Robert J. Beste
Public Works Director

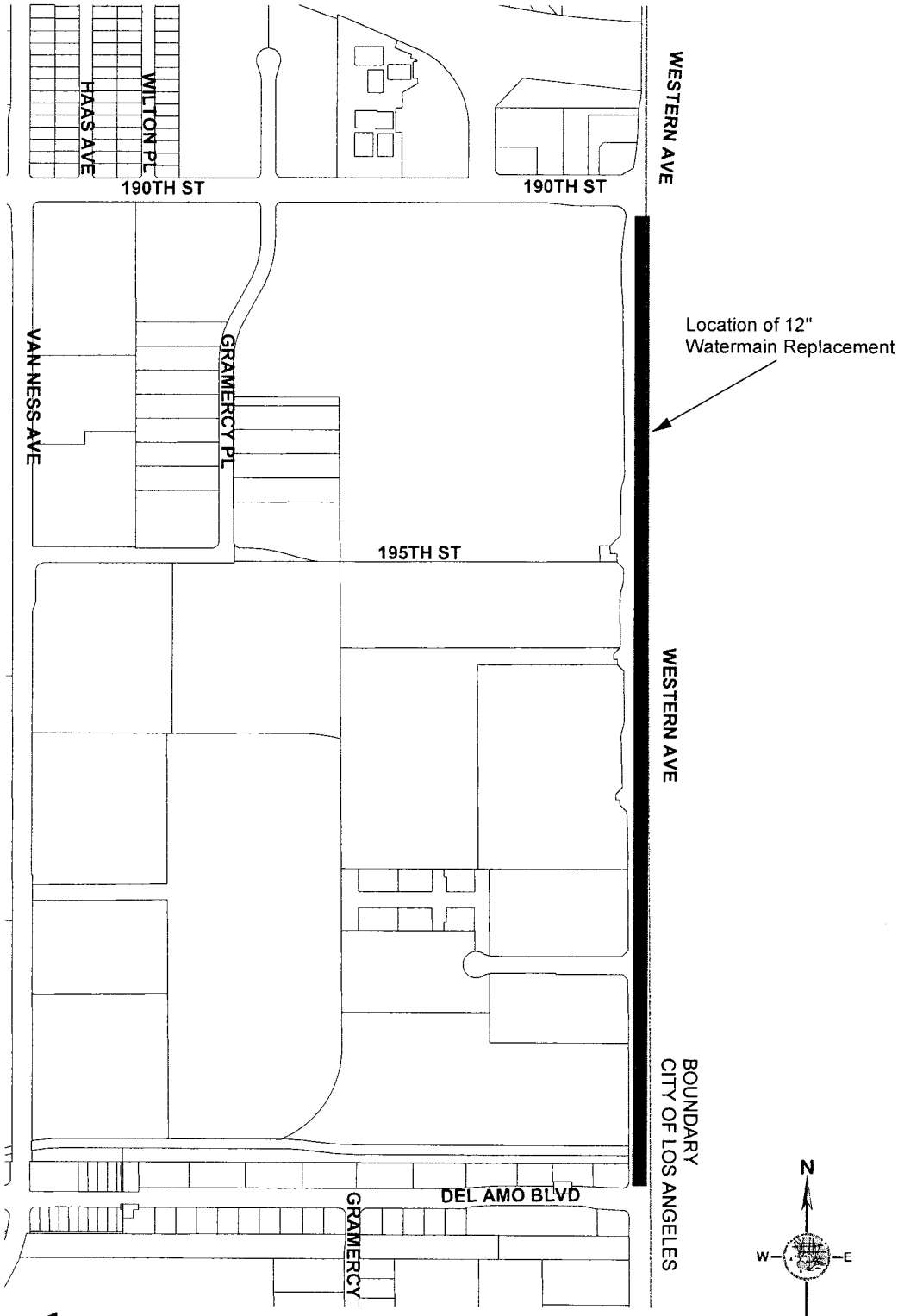
Eric Tsao
Finance Director

LeRoy J. Jackson
City Manager

Attachments: A. Western Avenue Water Main Replacement Location Map
B. Western Avenue Street Rehabilitation Location Map
C. Infrastructure Action Plan

ATTACHMENT A

CITY OF TORRANCE Western Avenue Watermain Replacement



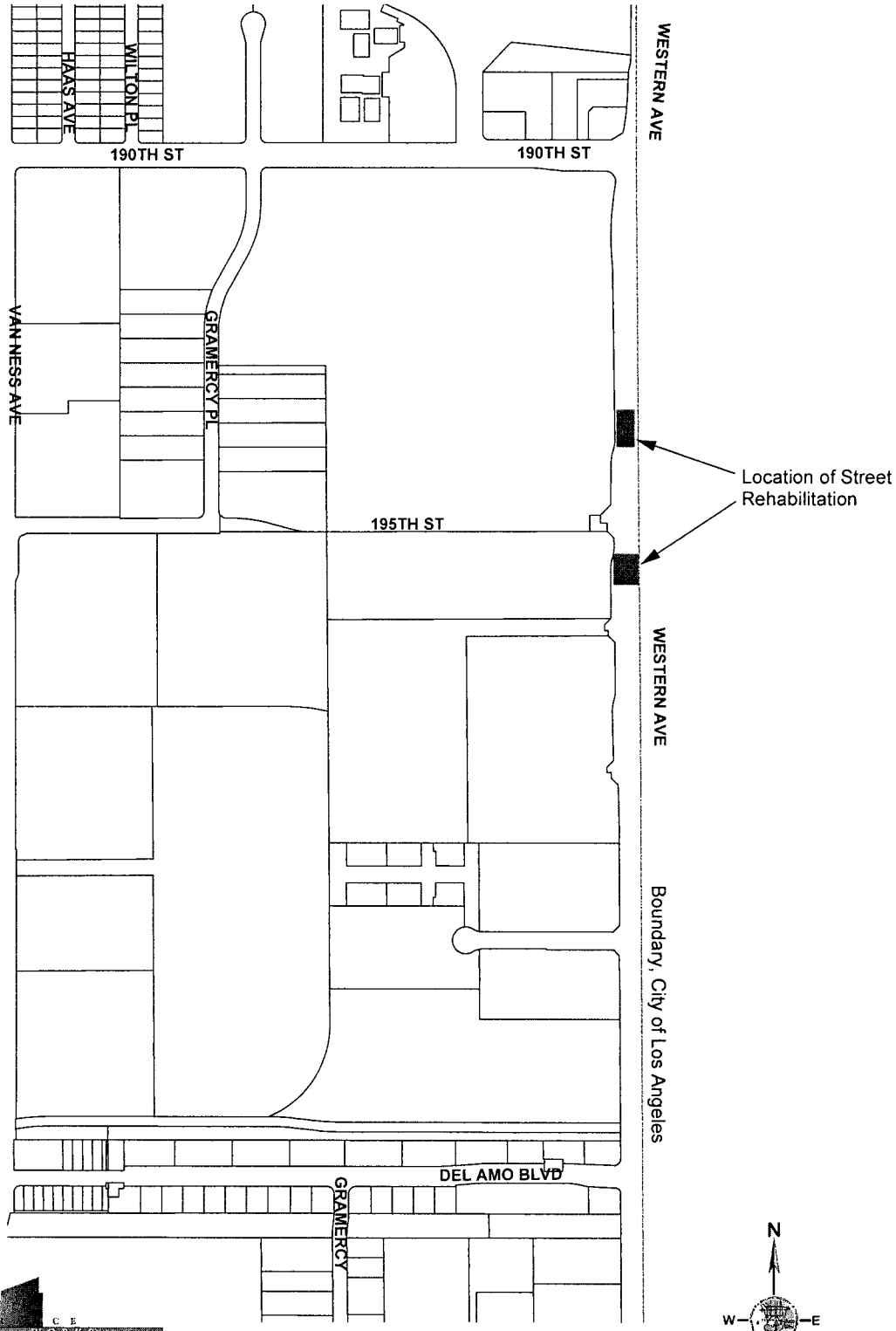
NOT TO SCALE

PUBLIC WORKS DEPARTMENT
ROBERT J. BESTE
PUBLIC WORKS DIRECTOR

X:Eng\Lreis\Projects2009\Western Ave Water Rehab\Vicinity Maps\Western rehab vicinity map (7/23/2009)

ATTACHMENT B

CITY OF TORRANCE Western Avenue Street Rehabilitation



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NOT TO SCALE

X:Eng\Lreis\Projects2009\Western Ave Water Rehab\Vicinity Maps\Western Ave Street rehab vicinity map (7/23/2009)

ATTACHMENT C

INFRASTRUCTURE ACTION PLAN

INFRASTRUCTURE

WESTERN AVENUE WATER MAIN REPLACEMENT, 190TH TO DEL AMO

This project will replace the 12 inch cast iron main in Western Avenue from 190th Street to Del Amo Boulevard ahead of the re-paving of Western Avenue. This main has failed twice in one year and this project will help ensure the life of proposed paving.

	Amount	Year Ending	Fund	Approval Date	Adjustment
Previous Project Budget:	$ -				
Council approved adjustments:					
Current approved budget					$ -
Proposed 2009-11 Adjustments:					-
New Project		2010	Water Fund		100,000
Budget Transfer from I-74		2010	Water Fund		1,700,000
Proposed Budget:					$ 1,800,000

Proposed Project Budget	**2009-10**
Project Management	$ 50,000
Inspection/Design	60,000
Construction Management	90,000
Construction	1,600,000
Total	**$ 1,800,000**

	Water Fund	**TOTAL**
Project Management	$50,000	$ 50,000
Inspection/Design	60,000	60,000
Construction Management	90,000	90,000
Construction	1,600,000	1,600,000
Total	**$ 1,800,000**	**$ 1,800,000**

Funding Sources:

	2009-10	**TOTAL**
Water Fund	$ 1,800,000	$ 1,800,000
	-	-
Total	**$ 1,800,000**	**$ 1,800,000**

Project Timeline:

							2009-10		2010-11		2011-12		2012-13		2013-14		2014-15	
Project Management																		
Design																		
Construction Management																		
Construction																		