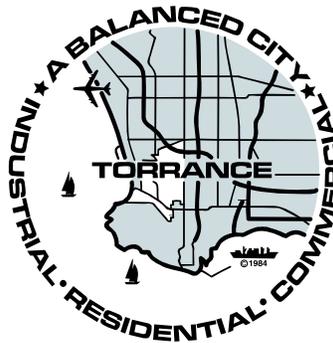


# CITY OF TORRANCE

## PROPOSAL, SPECIFICATIONS, BOND AND AFFIDAVIT FOR THE CONSTRUCTION OF

### 2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159 AND 2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139

**B2015-08**



**CRAIG BILEZERIAN, P.E.**  
**City Engineer**

**MARCH 2015**

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**SECTION A**  
**NOTICE INVITING BIDS**

**CITY OF TORRANCE, CALIFORNIA**

**NOTICE INVITING BIDS**

Notice is hereby given that sealed bids for performing the following described work will be received at the Office of the City Clerk of the City of Torrance, California, **until 3:00 p.m. on Wednesday, April 29, 2015**, after which time they will be publicly opened and read at 3:15 p.m. in the Council Chambers of said City:

**CONSTRUCTION OF  
2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159  
AND  
2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139  
B2015-08**

Bid Schedule (for reference only), Striping Plans, and Specifications are available for viewing and printing on the project website at: <http://www.torranceca.gov/28471.htm>

Those who only view and/or print the Plans, Bid Schedule and Specifications from the City's website will not automatically be added to the City's Plan Holder list for this project.

**The official Bidder's Submittal packet must be obtained from the Office of the City Clerk, City Hall, 3031 Torrance Boulevard, Torrance, California. Contact the City Clerk's office at (310) 781-7530 or [CityClerk@TorranceCA.gov](mailto:CityClerk@TorranceCA.gov) for more information. There is no cost if the Bidder's Submittal is obtained at City Hall. A payment of \$5 is required if requested by mail.** The amount includes tax and is not refundable. A prospective bidder must provide to the City Clerk the firm's name, address, telephone and fax numbers, a contact person and a valid email address. This will ensure that your firm is listed as a "Plan Holder" and that you will be informed of any and all information issued subsequent to obtaining the official form of Proposal. Addenda will be issued only by email and only to those that provide the required information to the City Clerk. Receipt of any Addendum must be acknowledged by a bidder in its submitted form of Proposal. **If a bidder submits its Bidder's Submittal on forms other than the official Bidder's Submittal forms, the City may declare the bid as non-responsive.**

Full-size 24" x 36" Plans and a bound Specifications booklet also may be obtained at the same Office of the City Clerk upon payment of \$10 if obtained at City Hall, or payment of \$15 if requested by mail. Both amounts include tax. Neither amount is refundable. The \$15 includes a copy of the official Bidder's Submittal packet. If requesting any item(s) by mail, please send check to the following:

**CITY OF TORRANCE  
OFFICE OF THE CITY CLERK  
3031 TORRANCE BLVD  
TORRANCE, CA 90503  
ATTN: B2015-08**

The Engineer's estimate of the contract total is between \$3,500,000 and \$3,700,000. All work shall be completed within ninety-five (95) working days from the date of the Notice to Proceed (NTP).

Per Division 2, Chapter 2 of the Torrance Municipal Code, the Torrance City Council may reject any and all bids, waive any informality or irregularity in such bids, and determine the lowest responsible bidder. No facsimile bids shall be accepted by the City.

Substitution of securities for withheld funds is permitted per Section 22300 of the Public Contract Code.

The City has determined that a California Class A, Class C-12 or Class C-32 Contractor's license is required to bid this project.

By order of the City Council of the City of Torrance, California.

For further information, please contact Stephanie Comon, Assistant Civil Engineer, in the Public Works Department at (310) 618-3079 or by email at [scomon@torranceca.gov](mailto:scomon@torranceca.gov).

**SECTION B**

**INSTRUCTIONS TO BIDDERS**

## CITY OF TORRANCE, CALIFORNIA

### INSTRUCTIONS TO BIDDERS

#### A. QUALIFICATION OF BIDDERS

1. Competency of Bidders

The Bidder shall be thoroughly competent and capable of satisfactorily performing the Work covered by the Bid. As specified in the Bid Documents, the Bidder shall furnish statements of previous experience on similar work. When requested, the Bidder shall also furnish the plan of procedure proposed; the organization, machinery, plant and other equipment available for the Work; evidence of its financial condition and resources; and any other such documentation as may be required by the City to determine if the Bidder is responsible.

2. Contractor's License

At the time of submitting the Bid, the Bidder shall be licensed as a contractor in accordance with the provisions of Chapter 9, Division 3, of the California Business and Professions Code. The required prime contractor license class for the Work is shown in the project Notice Inviting Bids. However, the City reserves the right to award the Contract to a contractor with another class if the City determines that the license is proper for the work.

3. Contractor Registration Requirements

SB 854 amended the Labor Code to require all contractors bidding on public work to register with the Department of Industrial Relations (DIR) and to pay an annual fee. The registration requires contractors to provide the State with evidence of the contractors' compliance with a number of statutory requirements. The registration requirement took effect on July 1, 2014.

4. Bidder's Submittal and Contract Award Prohibited

Under California Labor Code section 1771.1, as amended by SB 854, unless registered with the DIR, a contractor may not bid, nor be listed as a subcontractor, for any bid proposal submitted for public work on or after March 1, 2015. Similarly, a public entity cannot award a public work contract to a non-registered contractor, effective April 1, 2015. Also refer to Section 7-2.6 of the Special Provisions.

#### B. BIDDER RESPONSIBILITY

A responsible Bidder is a Bidder who has demonstrated the attribute of trustworthiness, as well as ability, fitness, capacity and experience to satisfactorily perform the work.

Bidders are notified that, in accordance with Division 2, Chapter 2 of the Torrance Municipal Code, the City Council may determine whether the Bidder is responsible based on a review of the Bidder's performance on other contracts.

If, based on the provision and criteria in Division 2, Chapter 2 of the Torrance Municipal Code, the Engineer proposes not to recommend the award of contract to the apparent low bidder, the Director shall notify the Bidder in writing of its intention to recommend to the City Council that the Council award the contract to the 2nd lowest responsible bidder. If the Bidder presents evidence in rebuttal to the recommendation, the Director shall evaluate the merits of such evidence, and based on that evaluation, make a recommendation to the City Council.

## **C. ADDENDA TO THE CONTRACT DOCUMENTS**

The City may issue Addenda to the Contract Documents during the period of advertising. The Bidder shall acknowledge the receipt of the Addenda in their Bid. Failure of the Bidder to do so may result in the rejection of the Bid as non-responsive.

## **D. PREPARATION OF THE BID**

### **1. Examination of Site, Plans and Specifications**

Prior to submitting a Bid, the Bidder shall examine the Work site, carefully read the Specifications, view the Plans (available on the website only) and satisfy itself that it has the abilities and resources to complete the Work. The Bidder agrees that if it is awarded the Contract, no claim will be made against the City based on ignorance or misunderstanding of the provisions of the Contract Documents, the nature and amount of the work, and the physical and climatic conditions of the work site.

The Contractor shall have included in the contract price a sufficient sum to cover all items, including labor, materials, tools, equipment and incidentals, that are implied or required for the complete improvements as contemplated by the drawings, specifications, and other contract documents.

### **2. Estimated Quantities**

The quantities shown in the Bid are approximate only. The Contractor will be paid for the actual quantities of work installed based on field measurements. The City reserves the right to increase or decrease the amount of any item or portion of work to be performed or materials furnished, or to delete any item, in accordance with the Specifications.

### **3. Bid Instructions and Submissions**

The Bid shall be submitted on the Bidder's Submittal forms included with the Specifications. All Bid Documents must be completed, executed and submitted with the Bid by the Bidder.

Required Bid Submittal Documents:

- 1) Bidder's Submittal
- 2) Addenda Acknowledgment of Addenda Received
- 3) Contractor's Affidavit
- 4) List of Subcontractors
- 5) References (2 pages)
- 6) Violations of Federal or State Law
- 7) Debarment and Suspension Certification
- 8) Bid Bond (10%)

All prices submitted will be considered as including any and all sales or use taxes. For any individual bid item, in the case of a discrepancy between its unit price and total bid, the unit price shall always prevail.

### **4. Disadvantaged Business Enterprise (DBE) Requirements**

This project has no DBE requirements.

**E. BID BOND**

The Bid must be accompanied by either cash, a certified or cashier's check or a surety bond (bid bond) payable to the City of Torrance. Bids must be submitted on the proposal forms furnished by the Public Works Department. The Bid Guaranty shall be in an amount equivalent to at least 10% of the Total Contract Bid Price.

**F. NONRESPONSIVE BIDS AND BID REJECTION**

1. A Bid in which the required bid proposal documents are not completed, executed and submitted may be considered non-responsive and be rejected.
2. A Bid in which the Contract Unit Prices are unbalanced, which is incomplete or which shows alteration of form or irregularities of any kind, or which contains any additions or conditional or alternate Bids that are not called for, may be considered non-responsive and be rejected.

**G. AWARD OF CONTRACT**

In accordance with Division 2, Chapter 2 of the Torrance Municipal Code, the City Council reserves the right to reject any and all bids received, to take all bids under advisement for a period not-to-exceed sixty (60) days after date of opening thereof, to waive any informality or irregularity in the Bid, and to be the sole judge of the merits of material included in the respective bids received.

No less than 2 weeks prior to the anticipated City Council meeting awarding a contract as a result of the Notice Inviting Bids, the City will notify all of the vendors that submitted a bid of the intention to award.

City of Torrance Bid/RFP Protest Procedures: The City of Torrance Bid/RFP Protest Procedures may be found on the City of Torrance website:  
[http://www.torranceca.gov/PDF/Bid\\_RFP\\_Protest\\_Procedures.pdf](http://www.torranceca.gov/PDF/Bid_RFP_Protest_Procedures.pdf)

**H. EXECUTION OF CONTRACT**

After the Contract is awarded, the awardee shall execute the following eight (8) documents:

- 1) Performance Bond (100% of Bid)
- 2) Labor and Material Bond (100% of Bid)
- 3) Public Works Agreement
- 4) Verification of Insurance Coverage (Certificates and Endorsements)
- 5) Construction or Service Contract Endorsement
- 6) Workers' Compensation Insurance Certificate
- 7) Construction Permit Application Form
- 8) Business License Application Form

**I. APPRENTICESHIP EMPLOYMENT STANDARDS**

The Contractor is directed to the provisions in Sections 1776, 1777.5 and 1777.6 of the California Labor Code concerning the employment of apprentices by the Contractor or any subcontractor under them.

**J. PERMITS, LICENSES AND PUBLIC WORKS AGREEMENT**

The Contractor shall procure and execute all permits, licenses, pay all charges and fees, and give all notices necessary and incidental to the completion of the Work. The Contractor shall execute a Public Works Agreement. No fee is charged for a Construction Excavation Permit issued by the City of Torrance for a public works project. The Contractor shall obtain a City of Torrance Business License.

**K. INSURANCE**

The Contractor shall maintain Automobile Liability, General Liability and Workers' Compensation Insurance as specified in the Public Works Agreement included in the Project Specifications.

**L. PRE-BID INQUIRIES**

A Bidder with a Pre-Bid Inquiry must submit their question(s) in writing to the Torrance Public Works Department. You may email it to Stephanie Comon, Assistant Engineer at [scomon@torranceca.gov](mailto:scomon@torranceca.gov). All questions must be received no later than 5:00 p.m. on the Thursday one week prior to the date for opening the bids. Questions received after this date may not be considered. For questions of a general nature, a bidder may call Stephanie Comon at (310) 618-3079.

Because Gas Tax funds will be used for this project, pursuant to Section 1770 et seq. of the California Labor Code, the minimum prevailing rate of per diem wages for each craft, classification, or type of workman needed to execute the Contract shall be those determined by the Director of Industrial Relations of the State of California. These wages are set forth in the General Prevailing Wage Rates for this project, available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>.

**SECTION C**

**BID DOCUMENT**



## BIDDER'S SUBMITTAL

COMPANY: \_\_\_\_\_

### 2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159 AND 2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139

**B2015-08**

Honorable Mayor and Members  
of the Torrance City Council  
Torrance, California

Members of the Council:

In accordance with the Notice Inviting Bids pertaining to the receiving of sealed proposals by the City Clerk of the City of Torrance for the above titled improvement, the undersigned hereby proposes to furnish all Work to be performed in accordance with the Plans, Specifications, Standard Drawings, and the Contract Documents, for the unit price or lump sum set forth in the following schedule.

#### BID SCHEDULES

##### BID SCHEDULE A – RESIDENTIAL STREETS (AREAS 1 THROUGH 6)

ITEM NO.	ITEM DESCRIPTION	APPROX. QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL BID
1	MOBILIZATION AND DEMOBILIZATION	1	LS	\$	\$
2	TRAFFIC CONTROL	1	LS	\$	\$
3	CRACK SEAL	1	LS	\$	\$
4	DIG-OUTS - RESIDENTIAL	200,000	SF	\$	\$
5	<b>TYPE II</b> SLURRY SEAL WITH 2-1/2% LATEX	8,578,273	SF	\$	\$
6	REMOVE EXISTING PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$
7	INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$

SCHEDULE "A" SUBTOTAL: \$ \_\_\_\_\_  
(FIGURES)\*

SCHEDULE "A" SUBTOTAL: \_\_\_\_\_  
(WORDS)\*

**\*BID MAY BE REJECTED IF SUBTOTAL BID IS NOT SHOWN IN FIGURES AND WORDS**

**NOTE: Include above subtotal in the Total Bid Price for this project on page C-5.**

**BIDDER'S SUBMITTAL- B2015-08**  
(CONTINUED)

COMPANY: \_\_\_\_\_

**BID SCHEDULE B – ARTERIAL STREETS**

ITEM NO.	ITEM DESCRIPTION	APPROX. QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL BID
1	MOBILIZATION AND DEMOBILIZATION	1	LS	\$	\$
2	TRAFFIC CONTROL	1	LS	\$	\$
3	CRACK SEAL	1	LS	\$	\$
4	DIG-OUTS	100,000	SF	\$	
5	<b>TYPE II</b> SLURRY SEAL WITH 2-1/2% LATEX	1,696,113	SF	\$	\$
6	REMOVE EXISTING PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$
7	INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$

SCHEDULE "B" SUBTOTAL: \$ \_\_\_\_\_  
(FIGURES)\*

SCHEDULE "B" SUBTOTAL: \_\_\_\_\_  
(WORDS)\*

**\*BID MAY BE REJECTED IF SUBTOTAL BID IS NOT SHOWN IN FIGURES AND WORDS**

**NOTE: Include above subtotal in the Total Bid Price for this project on page C-5.**

**BIDDER'S SUBMITTAL- B2015-08**  
(CONTINUED)

COMPANY: \_\_\_\_\_

**BID SCHEDULE C – CITY PARKING FACILITIES (5 LOCATIONS)**

ITEM NO.	ITEM DESCRIPTION	APPROX. QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL BID
1	MOBILIZATION AND DEMOBILIZATION	1	LS	\$	\$
2	TRAFFIC CONTROL	1	LS	\$	\$
3	CRACK SEAL	1	LS	\$	\$
4	<b>TYPE I</b> SLURRY SEAL WITH 2-1/2% LATEX	384,780	SF	\$	\$
5	REMOVE EXISTING PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$
6	INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$
7	REMOVE EXISTING CONCRETE WHEEL STOPS (Approx. 25)	1	LS	\$	\$
8	FURNISH AND INSTALL NEW CONCRETE WHEEL STOPS	100	EA	\$	\$

SCHEDULE "C" SUBTOTAL: \$ \_\_\_\_\_  
(FIGURES)\*

SCHEDULE "C" SUBTOTAL: \_\_\_\_\_  
(WORDS)\*

**\*BID MAY BE REJECTED IF SUBTOTAL BID IS NOT SHOWN IN FIGURES AND WORDS**

**NOTE: Include above subtotal in the Total Bid Price for this project on page C-5.**

**BIDDER'S SUBMITTAL- B2015-08**  
(CONTINUED)

COMPANY: \_\_\_\_\_

**BID SCHEDULE D –AIRPORT**

ITEM NO.	ITEM DESCRIPTION	APPROX. QTY	UNIT OF MEASURE	UNIT PRICE	TOTAL BID
1	MOBILIZATION AND DEMOBILIZATION	1	LS	\$	\$
2	TRAFFIC CONTROL	1	LS	\$	\$
3	CRACK SEAL	1	LS	\$	\$
4	<b>TYPE I</b> SLURRY SEAL WITH 2-1/2% LATEX	667,000	SF	\$	\$
5	REMOVE EXISTING PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$
6	INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS	1	LS	\$	\$

**SCHEDULE "C" SUBTOTAL:** \$ \_\_\_\_\_  
(FIGURES)\*

**SCHEDULE "C" SUBTOTAL:** \_\_\_\_\_  
(WORDS)\*

**\*BID MAY BE REJECTED IF SUBTOTAL BID IS NOT SHOWN IN FIGURES AND WORDS**

**NOTE:** Include above subtotal in the Total Bid Price for this project on page C-5.

**BIDDER'S SUBMITTAL - B2015-08**  
(CONTINUED)

COMPANY: \_\_\_\_\_

The Total Bid Price below shall include the 4 subtotals of Schedules A, B, C, and D.

<p><b>TOTAL BID PRICE FOR SCHEDULES A + B + C + D:</b></p> <p>\$ _____</p> <p style="text-align: center;">(FIGURES)*</p> <p><b>TOTAL BID PRICE FOR SCHEDULES A + B + C + D:</b></p> <p>_____</p> <p style="text-align: center;">(WORDS)*</p>
--

**\*BID MAY BE REJECTED IF SUBTOTAL BID IS NOT SHOWN IN FIGURES AND WORDS**

The undersigned furthermore agrees to enter into and execute a contract, with necessary bonds, at the unit prices set forth herein and in case of default in executing such contract, with necessary bonds, the check or bond accompanying this bid and the money payable thereon shall be forfeited thereby to and remain the property of the City of Torrance.

The above unit prices include all work appurtenant to the various items as outlined in the Specifications and all work or expense required for the satisfactory completion of said items. In case of discrepancies between unit prices and totals, the unit prices shall govern.

The undersigned declares that it has carefully examined the Plans, Specifications, and Contract Documents, and has investigated the site of the work and is familiar with the conditions thereon.

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_ By: \_\_\_\_\_

Contractor's State License No.: \_\_\_\_\_ Class: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**ACKNOWLEDGMENT OF ADDENDA RECEIVED - B2015-08**

The Bidder shall acknowledge the receipt of any and all addenda by placing an "X" by each addendum received.

Addendum No. 1 \_\_\_\_\_

Addendum No. 2 \_\_\_\_\_

Addendum No. 3 \_\_\_\_\_

Addendum No. 4 \_\_\_\_\_

Addendum No. 5 \_\_\_\_\_

If an addendum or addenda have been issued by the City and not noted above as being received by the Bidder, the Bid Proposal may be rejected.

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_  
Date

**CONTRACTOR'S AFFIDAVIT**

STATE OF CALIFORNIA }  
 }  
COUNTY OF \_\_\_\_\_ }

**B2015-08**

\_\_\_\_\_, being first duly sworn, deposes and says:  
(NAME)

- 1. That he/she is the \_\_\_\_\_  
(TITLE)  
of \_\_\_\_\_  
(NAME OF PARTNERSHIP, CORPORATION, OR SOLE PROPRIETORSHIP)

hereinafter called "Contractor," who has submitted to the City of Torrance a proposal for the Construction of 2015 Residential Slurry Seal Program, I-159 and 2015 Arterial Street Pavement Sealing Program, I-139 , B2015-08;

- 2. That said proposal is genuine; that the same is not sham; that all statement of facts therein are true;
- 3. That such proposal was not made in the interest or behalf of any person, partnership, company, association, organization or corporation not named or disclosed;
- 4. That the Contractor did not, directly or indirectly, induce, solicit or agree with anyone else to submit a false or sham bid, to refrain from bidding, or to withdraw the bid, to raise or fix the bid price of the Contractor or anyone else, or to raise or fix any overhead, profit or cost element of the Contractor's price or the price of anyone else; and did not attempt to induce action prejudicial to the interest of the City of Torrance, or of any other bidder, or anyone else interested in the proposed contract;
- 5. That the Contractor has not in any manner sought by collusion to secure for itself an advantage over any other bidder or to induce action prejudicial to the interests of the City of Torrance, or of any other bidder or of anyone else interested in the proposed contract;
- 6. That the Contractor has not accepted any bid from any subcontractor or materialman through any bid depository, the bylaws, rules or regulations of which prohibit or prevent the Contractor from considering any bid from any subcontractor or materialman, which is not processed through said bid depository, or which prevent any subcontractor or materialman from bidding to any Contractor who does not use the facilities of or accept bids from or through such bid depository;

**CONTRACTOR'S AFFIDAVIT**  
(CONTINUED)

7. That the Contractor did not, directly or indirectly, submit the Contractor's bid price or any breakdown thereof, or the contents thereof, or divulge information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any individual or group of Individuals, except to the City of Torrance, or to any person or persons who have a partnership or other financial interest with said Contractor in its business.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

Subscribed and Sworn to

before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
(CONTRACTOR'S SIGNATURE)

\_\_\_\_\_  
(NAME)

\_\_\_\_\_  
Notary Public in and for said  
County and State.

\_\_\_\_\_  
(TITLE)

(SEAL)

## LIST OF SUBCONTRACTORS

The Bidder is required to fill in the following blanks in accordance with the provisions of the Subletting and Subcontracting Fair Practices Act (Chapter 2 of Division 5, Title 1 of the Government Code of the State of California) and should familiarize itself with Section 2-3 of the Standard Specifications.

Name Under Which Subcontractor is Licensed: \_\_\_\_\_

Subcontractor's Address: \_\_\_\_\_

Specific Description of Sub-Contract: \_\_\_\_\_

License Number: \_\_\_\_\_ CA License Classification/Type: \_\_\_\_\_

Name Under Which Subcontractor is Licensed: \_\_\_\_\_

Subcontractor's Address: \_\_\_\_\_

Specific Description of Sub-Contract: \_\_\_\_\_

License Number: \_\_\_\_\_ CA License Classification/Type: \_\_\_\_\_

Name Under Which Subcontractor is Licensed: \_\_\_\_\_

Subcontractor's Address: \_\_\_\_\_

Specific Description of Sub-Contract: \_\_\_\_\_

License Number: \_\_\_\_\_ CA License Classification/Type: \_\_\_\_\_

Name Under Which Subcontractor is Licensed: \_\_\_\_\_

Subcontractor's Address: \_\_\_\_\_

Specific Description of Sub-Contract: \_\_\_\_\_

License Number: \_\_\_\_\_ CA License Classification/Type: \_\_\_\_\_

Subcontractors listed must be properly licensed under the laws of the State of California for the type of work which they are to perform. Do not list alternate subcontractors for the same work.

## REFERENCES (Page 1 of 2)

List work similar in magnitude and degree of difficulty completed by the Contractor within the past three (3) years.

1. Name (Firm/Agency): \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone No.: \_\_\_\_\_  
Title of Project: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Date of Completion: \_\_\_\_\_ Contract Amount: \$ \_\_\_\_\_
  
2. Name (Firm/Agency): \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone No.: \_\_\_\_\_  
Title of Project: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Date of Completion: \_\_\_\_\_ Contract Amount: \$ \_\_\_\_\_
  
3. Name (Firm/Agency): \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone No.: \_\_\_\_\_  
Title of Project: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Date of Completion: \_\_\_\_\_ Contract Amount: \$ \_\_\_\_\_
  
4. Name (Firm/Agency): \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone No.: \_\_\_\_\_  
Title of Project: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Date of Completion: \_\_\_\_\_ Contract Amount: \$ \_\_\_\_\_
  
5. Name (Firm/Agency): \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact Person: \_\_\_\_\_ Telephone No.: \_\_\_\_\_  
Title of Project: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Date of Completion: \_\_\_\_\_ Contract Amount: \$ \_\_\_\_\_

**REFERENCES (Page 2 of 2)**  
(CONTINUED)

If Contractor has not performed work for the City of Torrance within the last five (5) years, list all work done within said five years (attach additional sheets if necessary). Note if work was done as subcontractor [include only subcontract amount]:

Work Description & Contract Amount	Agency	Date Completed

Contractor's License No.: \_\_\_\_\_ Class: \_\_\_\_\_

a. Date first obtained: \_\_\_\_\_ Expiration: \_\_\_\_\_

b. Has License ever been suspended or revoked? \_\_\_\_\_  
If yes, describe when and why: \_\_\_\_\_

c. Any current claims against License or Bond? \_\_\_\_\_  
If yes, describe claims: \_\_\_\_\_

Principals in Company (List all – attach additional sheets if necessary):

NAME	TITLE	LICENSE NO. (If Applicable)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**VIOLATIONS OF FEDERAL, STATE OR LOCAL LAWS**

- 1. Has your firm or its officers been assessed any penalties by an agency for noncompliance or violations of Federal, State or Local labor laws and/or business or licensing regulations within the past five (5) years relating to your construction projects?

Yes/No: \_\_\_\_\_ Federal/State: \_\_\_\_\_

If "yes," identify and describe, (including agency and status): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Have the penalties been paid? Yes/No: \_\_\_\_\_

- 2. Does your firm or its officers have any ongoing investigations by any public agency regarding violations of the State Labor Code, California Business and Professions Code or State Licensing Laws?

Yes/No: \_\_\_\_\_ Code/Laws: \_\_\_\_\_ Section/Article: \_\_\_\_\_

If "yes," identify and describe, (including agency and status): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DEBARMENT AND SUSPENSION CERTIFICATION**  
TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal AGENCY;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal AGENCY within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating AGENCY, and dates of action.

**Notes:** Providing false information may result in criminal prosecution or administrative sanctions.

The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

**BID BOND (10%)**

**KNOW ALL MEN BY THESE PRESENTS:** That we, \_\_\_\_\_  
as principal, and \_\_\_\_\_ as sureties, are held  
and firmly bound unto the City of Torrance, State of California, in the penal sum of  
\_\_\_\_\_ dollars (\$\_\_\_\_\_), for the payment whereof  
we hereby bind ourselves, our successors, heirs, executors or administrators jointly and  
severally, firmly by these presents.

The condition of this obligation is such that, whereas the above bounded principal is about to  
file with and submit to the City of Torrance a bid or proposal for the performance of certain work  
as required in the City of Torrance, **Project No. B2015-08**, said work being: the **2015  
RESIDENTIAL SLURRY SEAL PROGRAM, I-159 AND 2015 ARTERIAL STREET PAVEMENT  
SEALING PROGRAM, I-139**, and in compliance with the Specifications therefor under an  
invitation of said City contained in a notice or advertisement for bids or proposals; now if the bid  
or proposal of the said principal shall be accepted and if the said work be thereupon awarded to  
the principal by said City and if the said principal shall enter into a contract with the said City in  
accordance with said bid or proposal, or if the bid or proposal of the said principal is rejected,  
then this bond shall be void and of no effect and otherwise in full force and effect.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
PRINCIPAL

\_\_\_\_\_  
SURETY/ATTORNEY-IN-FACT

\_\_\_\_\_  
SIGNATURE

Name: \_\_\_\_\_  
Local Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone No.: \_\_\_\_\_  
Fax No.: \_\_\_\_\_

**SECTION D**

**DOCUMENTS TO BE COMPLETED  
AND DELIVERED TO CITY PRIOR  
TO AWARD OF CONTRACT**



## PERFORMANCE BOND

### KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_ as Principal(s) and \_\_\_\_\_ a corporation, incorporated, organized, and existing under the laws of the State of \_\_\_\_\_, and authorized to execute bonds and undertakings and to do a general surety business in the State of California, as Surety, are jointly and severally held and firmly bound unto the City of Torrance, a municipal corporation, located in the County of Los Angeles, State of California, in the full and just sum of: \_\_\_\_\_ Dollars (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which sum, well and truly to be made, we bind ourselves and our respective heirs, executors, administrators, representative, successors and assigns, jointly and severally, firmly by these presents.

**THE CONDITION OF THIS OBLIGATION IS SUCH, THAT: WHEREAS,** said Principal(s) have/has entered into, or are/is about to enter into, a certain written contract or agreement, dated as of the \_\_\_\_\_ day of \_\_\_\_\_, 2014, with the said City of Torrance for the Construction of **2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159 AND 2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139, B2015-08**, all as is more specifically set forth in said contract or agreement, a full, true and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof;

**NOW, THEREFORE,** if the said Principal(s) shall faithfully and well and truly do, perform and complete, or cause to be done, performed and complete, each and all of the covenants, terms, conditions, requirements, obligations, acts and things, to be met, done or performed by said Principal(s), including any guarantee period as set forth in, or required by, said contract or agreement, all at and within the time or times, and in the manner as therein specified and contemplated, then this bond and obligation shall be null and void; otherwise it shall be and remain in full force, virtue and effect.

The said Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration or addition to said contract or agreement, or of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said Surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract or agreement, and of any feature or item or items of performance required therein or thereunder.

**PERFORMANCE BOND**  
(CONTINUED)

In the event any suit, action or proceedings is instituted to recover on this bond or obligation, said Surety will pay, and does hereby agree to pay, as attorney's fees for said City, such sum as the Court in any such suit, action or proceeding may adjudge reasonable.

**EXECUTED, SEALED AND DATED** this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

CORPORATE SEAL

PRINCIPAL(S):

BY \_\_\_\_\_

BY \_\_\_\_\_

CORPORATE SEAL

SURETY:

BY \_\_\_\_\_

## LABOR AND MATERIAL BOND

### KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_ as Principal(s) and \_\_\_\_\_ a corporation, incorporated, organized, and existing under the laws of the State of \_\_\_\_\_, and authorized to execute bonds and undertakings and to do a general surety business in the State of California, as Surety, are jointly and severally held and firmly bound unto:

- (a) The State of California for the use and benefit of the State Treasurer, as ex-officio Treasurer and custodian of the Unemployment Fund of said State; and
- (b) The City of Torrance, California; and
- (c) Any and all persons who do or perform or who did or performed work or labor upon or in connection with the work or improvement referred to in the contract or agreement hereinafter mentioned; and
- (d) Any and all materialmen, persons, companies, firms, association, or corporations, supplying or furnishing any materials, provisions, provender, transportation, appliances or power, or other supplies used in, upon, for or about or in connection with the performance of the work or improvement contracted to be executed, done, made or performed under said contract or agreement; and
- (e) Any and all persons, companies, firms, associations, or corporations furnishing, renting, or hiring teams, equipment, implements or machinery for, in connection with, or contributing to, said work to be done or improvement to be made under said contract or agreement; and
- (f) Any and all persons, companies, firms, associations, or corporations who supply both work and materials;

and whose claim has not been paid by said Principal(s), in full and just sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which will and truly to be made, said Principal(s) and said Surety do hereby bind themselves and their respective heirs, executors, administrators, representatives, successors and assigns, jointly and severally, firmly by these presents.

**LABOR AND MATERIAL BOND**  
(CONTINUED)

**THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH, THAT: WHEREAS,** said Principal(s) have/has entered into or are/is about to enter into a certain written contract or agreement, dated as of the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, with the City of Torrance for the Construction of 2015 RESIDENTIAL SLURRY SEAL, I-159 and 2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139, B2015-08, all as is more specifically set forth in said contract or agreement, a full, true and correct copy of which is hereunto attached, and hereby referred to and by this reference incorporated herein and made a part hereof;

**NOW, THEREFORE,** if the said Principal(s) (or any of his/her, its, or their subcontractors) under said contract or agreement fails or fail to pay:

- (1) For any materials, provisions, provender, transportation, appliances, or power, or other supplies; or
- (2) For the hire of any teams, equipment, implements, or machinery; or
- (3) For any work or labor; supplies, furnished, provided, used, done or performed in, upon, for or about or in connection with the said work or improvement; or
- (4) For amounts due under the Unemployment Insurance Act of the State of California with respect to such work or improvement;

the Surety on this bond will pay the same in an amount not exceeding the sum hereinabove specified in this bond; and, also, in case suit is brought upon this bond, said Surety will (and does hereby agree to) pay a reasonable attorney's fee, to be fixed and taxed as costs, and included in the judgment therein rendered.

This bond shall (and it is hereby made to) inure to the benefit of any and all persons entitled to file claims under Section 1192.1 of the Code of Civil Procedure of the State of California, so as to give a right of action to them or their assigns in any suit brought upon this bond, all as contemplated under the provisions of Section 4205 of the Government Code, and of Chapter 1 of Title 4 of Part 3 of the Code of Civil Procedure, of the State of California.

This bond is executed and filed in connection with said contract or agreement hereunto attached to comply with each and all of the provisions of the laws of the State of California above mentioned or referred to, and of all amendments thereto, and the obligors so intend and do hereby bind themselves accordingly.

**LABOR AND MATERIAL BOND**  
(CONTINUED)

The said Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration, or addition to said contract or agreement, or of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said Surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract or agreement, and of any feature or item or items of performance required therein or thereunder.

**EXECUTED, SEALED AND DATED** this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

CORPORATE SEAL

PRINCIPAL:

BY \_\_\_\_\_

CORPORATE SEAL

SURETY:

BY \_\_\_\_\_

## **PUBLIC WORKS AGREEMENT**

BIDDERS ARE TO REFER TO APPENDIX I FOR THE PRO FORMA PUBLIC WORKS AGREEMENT TO BE EXECUTED, UPON APPROVAL OF THE CITY COUNCIL, WITH THE CONFIRMED LOWEST, RESPONSIBLE BIDDER.

**CITY OF TORRANCE, CALIFORNIA  
CONSTRUCTION OR SERVICE CONTRACT ENDORSEMENT**

To be attached to and made a part of all policies insuring the liability of any person, firm or corporation performing services under contract for the City of Torrance.

Notwithstanding any inconsistent expression in the policy to which this endorsement is attached, or in any other endorsement now or hereafter attached thereto, or made a part thereof, the protection afforded by said policy shall:

1. Include the City of Torrance as an additional insured. (To include the elected officials, appointed officials, and employees.)
2. Indemnify and save harmless the City of Torrance against any and all claims resulting from the undertaking specified in the contract known as:

**PROPOSAL, SPECIFICATIONS, BOND AND AFFIDAVIT  
FOR THE CONSTRUCTION OF  
2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159  
AND  
2015 ARTERIAL STREET PAVEMENT SEALING PROGRAM, I-139  
B2015-08**

This hold harmless assumption on the part of the underwriters shall include all costs of investigation and defense, including claims based on damage to substructures not shown, not located on the plans, or shown incorrectly.

3. Not be cancelled except by notice to the City Attorney of the City of Torrance at least thirty (30) days prior to the date of cancellation.
4. Provide single limit for Bodily Injury Liability and Property Damage Liability combined, \$3,000,000 each occurrence, and \$5,000,000 Aggregate.
5. Limited classifications, restricting endorsements, exclusions or other special provisions contained in the policy shall not act to limit the benefits of coverage as they shall apply to the City of Torrance as enumerated in this endorsement. However, nothing herein contained shall affect any rights of the insurer against the insured.
6. It is further expressly agreed by and between the parties hereto that the following two provisions, (a) and (b), are a part of this contract:
  - a. That the Contractor specifically agrees to comply with applicable provisions of Section 1777.5 of the Labor Code relating to the employment by Contractor or subcontractor under it, of journeyman or apprentices, or workmen, in any apprenticeable craft or trade.
  - b. By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

**CONSTRUCTION OR SERVICE CONTRACT ENDORSEMENT**  
(CONTINUED)

The limits of liability as stated in this endorsement apply to the insurance afforded by this endorsement notwithstanding that the policy may have lower limits of liability applying elsewhere in the policy.

\_\_\_\_\_  
Duly Authorized Agent

Attached to and forming part of

Policy No. \_\_\_\_\_

of the \_\_\_\_\_

Date: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

## WORKERS' COMPENSATION INSURANCE CERTIFICATION

In compliance with Section 7-4 of the Standard Specifications, the Contractor shall complete and submit the following certification with a Certificate of Insurance before execution of the contract.

I am aware of, and will comply with, Section 3700 of the Labor Code, requiring every employer to be insured against liability for Workers' Compensation or to undertake self-insurance before commencing any of the work.

\_\_\_\_\_  
CONTRACTOR

By: \_\_\_\_\_

Title: \_\_\_\_\_

## **SECTION E**

### **SPECIAL PROVISIONS**

**The following Special Provisions supplement and amend the latest editions of the Standard Specifications for Public Works Construction (SSPWC “Greenbook”), and the Standard Specification of the State of California Department of Transportation (Caltrans), as noted herein. These Special Provisions have been arranged in a format that parallels the SSPWC “Greenbook” Standard Specifications.**

**SECTION E  
SPECIAL PROVISIONS**

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# PART 1 GENERAL PROVISIONS

## SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS

**1-2 TERMS AND DEFINITIONS.** Add or redefine the following:

**Agency** – The City of Torrance, herein referred to as City.

**Board** – The City Council of the City of Torrance herein referred to as City Council.

**Engineer** – The Public Works Director and/or the City Engineer of the City of Torrance, acting either directly or through properly authorized agents (e.g. Engineering Manager, Project Engineer, or Inspector), and such agents acting within the scope of the particular duties entrusted to them.

**Caltrans Specifications** – State of California Department of Transportation Standard Specifications, latest edition, and all supplements.

**Claim** – A separate demand by the Contractor for (A) a time extension, (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to, or (C) an amount the payment of which is disputed by the Agency.

## SECTION 2 – SCOPE AND CONTROL OF THE WORK

**2-1 AWARD AND EXECUTION OF CONTRACT.** Replace the entire subsection with the following:

Within ten (10) working days after the date of the City's award of contract, the Contractor shall execute and return all Contract Documents required by the City. The City reserves the right to terminate the award if the above requirement is not met. Such termination will result in the forfeiture of the Proposal Guaranty.

The Contract shall not be considered binding upon the City until executed by the authorized City officials.

**2-4 CONTRACT BONDS.** Revise the fourth paragraph to read as follows:

The "Performance Bond" shall be for 100 percent of the Contract Price and shall remain in effect for one year following the date specified in the Notice of Completion or, if no Notice of Completion is recorded, for one year following the date of final acceptance by the Engineer.

**2-5 PLANS AND SPECIFICATIONS.**

**2-5.1 General.** Add the following subsections:

**2-5.1.1 Plans.** There are no Plans for the Work. Included in the Appendices are project location and detail area maps, and spreadsheets of related information. Actual limits of Work will be determined in the field by the Engineer.

**2-5.1.2 Specifications.** The Work shall be performed or executed in accordance with these Special Provisions and the following:

- 1) Standard Specifications for Public Works Construction, latest edition and supplements thereto, hereinafter referred to as the Standard Specifications, as written and promulgated by Public Works Standards, Inc. The Standard Specifications are published by BNi Building News, Inc., 990 Park Center Drive, Suite E, Vista, CA 92081, Phone: (760) 734-1113.
- 2) Sections 84 and 85 of the State of California Department of Transportation (Caltrans) Standard Specifications, latest edition, and all supplements.

**2-5.2 Precedence of Contract Documents.** Replace the entire subsection with the following:

If there is a conflict between any of the Contract Documents, the document highest in precedence shall control. The order of precedence shall be as follows:

- 1) Permits issued by other agencies
- 2) Change Orders (including Plans and Specifications attached thereto)
- 3) Public Works Agreement
- 4) Addenda
- 5) Special and General Provisions
- 6) Plans and/or Maps
- 7) City Standard Plans
- 8) Other Standard Plans
- 9) Standard Specifications for Public Works Construction
- 10) Reference Specifications

With reference to the Plans, the order of precedence is as follows:

- 1) Change Order plans govern over Addenda and Contract plans
- 2) Addenda plans govern over Contract plans
- 3) Contract plans govern over standard plans
- 4) Detail plans govern over general plans
- 5) Figures govern over scaled dimensions

Within the Specifications, the order of precedence is as follows:

- 1) Change Orders
- 2) Permits from other agencies/Supplemental Agreements
- 3) Special Provisions
- 4) Instruction to Bidders
- 5) Referenced Standard Plans
- 6) Referenced Standard Specifications

If the Contractor, in the course of the Work, becomes aware of any claimed errors or omissions in the Contract Documents or in the City's fieldwork, the Contractor shall immediately inform the Engineer. The Engineer shall promptly review the matter, and if the Engineer finds an error or omission has been made the Engineer shall determine the corrective actions and advise the Contractor accordingly. If the corrective work associated with an error or omission increases or decreases the amount of work called for in the Contract, the City shall issue an appropriate Change Order in accordance with Section 3-3. After discovery of an error or

omission by the Contractor, any related work performed by the Contractor shall be done at the Contractor's risk unless authorized by the Engineer.

### **2-5.3 Submittals.**

#### **2-5.3.4 Supporting Information.** Add the following:

Submittals are required for the following:

- 1) Type II Slurry Seal with 2.5% latex additive
- 2) Crack Sealant

In addition to the above, submittals may be required for any product, manufactured item, or system not specifically listed above.

### **2-6 WORK TO BE DONE.** Add the following:

**2-6.1 Scope of Work.** The Work generally consists of furnishing all labor, materials, tools, equipment, and incidentals necessary to remove (by grinding) existing thermoplastic and painted striping, pavement markings and legends; remove raised pavement markers; apply bituminous pavement crack sealant; apply slurry seal in areas indicated; install new striping, pavement markings, legends and raised pavement markers; remove existing concrete wheel stops; and install new concrete wheel stops; on City streets and on City parking facilities shown on the location and detail area maps, as listed in the Appendices, as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

The Work also includes sweeping before and after slurry seal applications; removing of grease spots (by grinding); all necessary traffic control; preparing and updating construction schedules; posting signs for "NO PARKING" and arranging for towing of cars, if necessary; protecting all utility covers in place; and installing temporary pavement markers.

The Contractor shall be responsible for cleaning, sweeping and removing all loose rock from surfaces, parking areas, gutters, sidewalks, driveways and parkways after slurry seal application, as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

### **2-10 AUTHORITY OF THE BOARD AND THE ENGINEER.** Add the following:

Failure of the Contractor to comply with the requirements of the Contract Documents, or to follow the directions of the Engineer, and/or to immediately remedy such noncompliance or to follow directions, may, upon notice from the Engineer, result in the suspension of the Contract monthly progress payments. Any monthly progress payments so suspended may remain in suspension until the Contractor is in compliance with the Contract Documents and the directions of the Engineer, as determined by the Engineer.

### **2-11 INSPECTION.** Replace the entire subsection with the following:

The Work is subject to inspection and approval by the Engineer. The Contractor shall notify the Engineer a minimum of 48 hours in advance of the required inspection.

The Engineer will make, or have made, such inspections and tests, as deemed necessary to see that the Work is in conformance with the Contract Documents. In the event such

inspections or tests reveal noncompliance with the Contract Documents, the Contractor shall bear the cost of such corrective measures as deemed necessary by the Engineer, as well as the cost of subsequent re-inspection and re-testing.

Work done in the absence of inspection by the Engineer may be required to be removed and replaced under the inspection of the Engineer, and the entire cost of removal and replacement, shall be borne by the Contractor.

The Engineer and any authorized representatives shall at all times have access to the Work during its construction at shops and yards as well as the Work site. The Contractor shall provide every reasonable facility for ascertaining that the materials and workmanship are in accordance with the Contract Documents.

Inspection of the Work shall not relieve the Contractor of the obligation to fulfill all conditions of the Contract.

Add the following subsections:

**2-11.1 Special Inspection Fees.** If the Contractor elects to work under this Contract more than 8 hours/day or more than 40 hours/week, Saturday, Sunday, or City holidays, the Contractor shall arrange with the Engineer for the required inspection service and pay the Special Inspection Fees which will be charged at the following rates:

Mondays through Fridays - \$145.00 per hour  
Saturdays, Sundays, Holidays - \$1,200.00 per day

Fees may be deducted from payments due to the Contractor at the discretion of the Engineer.

If the Contractor works under this contract at times other than within the allowed working hours without permission from or prior arrangement with the Engineer, the Contractor will be charged a lump sum amount of \$500.00 for each occurrence, in addition to the above fees. The amount will be deducted from a Progress Payment.

**2-11.2 Material Inspection/Testing and other City Expenses.**

- (a) If a City subcontractor hired to perform material inspection and/or testing is required to work additional time to perform inspection and testing as a result of an action or delay caused by the Contractor, except for specific work allowed by the Engineer, the City subcontractor may charge the City an additional fee. The Engineer may deduct the additional fee for said inspection and testing from a Progress Payment to the Contractor. The Engineer also may deduct the cost to perform additional testing when an initial test fails to meet the requirements of this Contract. The typical rates for material testing and inspection are available upon request from the Public Works Department.
- (b) If the Contractor does not comply with a requirement of these Special Provisions or if it does not immediately respond, after being informed, to a request by the Engineer to amend a site condition that jeopardizes the public health, safety or welfare, the Engineer may direct City staff to perform the work. For each occurrence, the City will charge the Contractor a base charge in the amount of \$750 in addition to all costs incurred by the City for administration, labor, equipment and materials. The standard rates for City staff are available upon request from the Public Works Department.

- (c) For each sign, drum, delineator, cone, barricade, warning device, or other type of required traffic control device that is not provided by the Contractor when required by the Traffic Control Plans, the Engineer may deduct \$75 per day for each missing device from a Progress Payment. The Engineer, a City designee, or Public Works Inspector will inform the Contractor. The deduction does not apply to a device that is fraudulently removed by non-construction personnel.
- (d) Temporary lane closures maintained prior to 8:30 A.M. and/or after 3:30 P.M. may have a negative economic effect on the local residential, commercial or industrial community. Unless a temporary lane closure is otherwise authorized, the Engineer may deduct a fee from a Progress Payment for each temporary lane closure maintained prior to 8:30 A.M. or after 3:30 P.M. The fee will be assessed at a rate of \$700 per each travel lane per each thirty (30) minute interval, or fraction thereof.

## **SECTION 3 – CHANGES IN WORK**

### **3-3 EXTRA WORK.**

#### **3-3.1 General.** Add the following:

Payment for additional work and all expenditures in excess of the Contract Price must be authorized in writing by the Engineer. Such authorization shall be obtained by the Contractor prior to engaging in additional work. It shall be the Contractor's sole responsibility to obtain written approval from the Engineer for any change(s) in material or in the work proposed by suppliers or subcontractors. No payment shall be made to the Contractor for additional work, which has not been approved in writing, and the Contractor hereby agrees that it shall have no right to additional compensation for any work not so authorized.

The Contractor shall be responsible to provide all data and to obtain all approvals required by the Specifications, including submittal of Daily Extra Work Reports. No claims or extras shall be approved by the Engineer unless all work was done under the direction of and subject to the approval of the Engineer. Disputed work claims shall comply with Section 3-3 as modified herein.

#### **3-3.2.2 Basis for Establishing Costs.** Replace the second paragraph of part (c) with the following:

The Contractor will be paid for the use of equipment at rental rates listed for such equipment in "Rental Rate Blue Book" published by Dataquest, Inc., 1290 Ridder Park Drive, San Jose, California, 95131, telephone: (408) 971-9000, which is in effect on the date upon which the work is accomplished and which is a part of the Contract, regardless of ownership and any rental or other agreement, if such may exist, for the use of such equipment entered into by the Contractor. If it is deemed necessary by the Engineer to use equipment not listed in the said publication, a suitable rental rate will be established by the Engineer. The Contractor may furnish any cost data that might assist the Engineer in the establishment of such rental rate.

#### **3-3.2.3 Markup.** Replace the entire subsection with the following:

The markups mentioned hereinafter shall include, but are not limited to, all costs for the services of superintendents, project managers, timekeepers and other personnel not working

directly on the change order, and pickup or yard trucks used by the above personnel. These costs shall not be reported as labor or equipment elsewhere except when actually performing work directly on the change order and then shall only be reported at the labor classification of the work performed.

- (a) **Work by Contractor.** The following percentages shall be added to the Contractor's costs and shall constitute the mark-up for all overhead and profit, which shall be deemed to include all items of expense not specifically designated as cost or equipment rental in Subsections 3-3.2.2(a), 3-3.2.2(b), and 3-3.2.2(c).

Labor	20
Materials	15
Equipment Rental	15
Other Expenditures	15

To the sum of the costs and markups provided for in this subsection, one (1) percent shall be added as compensation for bonding.

- (b) **Work by Subcontractor.** When any part of the extra work is performed by a subcontractor, the markup established in 3-3.2.3(a) shall be applied to the subcontractor's actual cost of such work. A markup of ten (10) percent on the first \$5,000 of the subcontracted portion of the extra work and a mark-up of 5 percent on work added in excess of \$5,000 of the subcontracted portion of the extra work may be added by the Contractor.

The markups specified in parts (a) and (b) above shall be considered as including, but not limited to, the Contractor's labor costs for personnel not working directly on the extra work, including the cost of any tools and equipment that they may use. Such costs shall not be reported as labor or equipment costs elsewhere except when they are actually used in the performance of the extra work. Labor costs shall in that case be reported for the labor classification corresponding to the type and nature of extra work performed.

## **SECTION 4 – CONTROL OF MATERIALS**

### **4-1 MATERIAL AND WORKMANSHIP.**

**4-1.1 General.** Add the following paragraph after the second paragraph:

If the work, or any portion thereof, shall be damaged in any way, or if any defective materials or faulty workmanship shall be discovered at any time prior to the final payment, the Contractor shall forthwith, at its own cost and expense, repair said damage, or replace such defective materials, or remedy such faulty workmanship in a manner satisfactory to the Engineer.

**4-1.2 Protection of Work and Materials.** Add the following:

The Contractor shall assume all risks and expense of interference and delay in his operations, and the protection from or the repair of damage to improvements being built under the contract, as may be caused by water of whatever quantity from floods, storms, industrial waste, irrigation, underground or other sources. However, the Contractor shall be entitled to an extension of time in accordance with the provisions of Subsection 6-6. The Contractor shall

also assume full responsibility and expense of protecting, or removing and returning to the site of Work, all equipment or materials under his care endangered by any action of the elements.

Furthermore, the Contractor shall indemnify and hold the City harmless from all claims or suits for damages arising from his operations in dewatering the Work and control of water.

## **SECTION 6 – PROSECUTION, PROGRESS AND ACCEPTANCE OF THE WORK**

**6-1 CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK.** Replace the entire subsection with the following:

**6-1.1 General.** Within ten (10) working days after the date of the City's execution of the Contract, the Contractor shall submit a proposed construction schedule to the Engineer for approval. The schedule shall be in accordance with the Specification and these Special Provisions.

In addition, during construction, the Contractor shall also submit to the Engineer, a two-week "look ahead" construction schedule every Monday morning. The schedule shall indicate, by date, the locations of Work during the next 2 weeks. The schedule shall consist of an 8-1/2" x 11" street map of the part of the city to be completed, with each week's area outlined.

Prior to issuing the Notice to Proceed, the Engineer will schedule a Pre-Construction Meeting with the Contractor to review the proposed construction schedule and delivery dates, arrange utility coordination and clarify inspection procedures.

Notwithstanding any other provisions of the Contract, the Contractor shall not be obligated to perform any work and the City will not be obligated to accept or pay for any work performed by the Contractor prior to delivery of a Notice to Proceed. The City's knowledge of work being performed prior to delivery of the Notice to Proceed shall not obligate the City to accept or pay for such work. The Contractor shall provide all required Contract bonds and evidences of insurance prior to commencing work at the site.

**6-1.2 Criteria.** Construction schedules shall consider the following:

- 1) **REFUSE AND RECYCLING COLLECTION.** Detail Area Maps in the Appendices show the refuse and recycling collection day for each area. **Application of Slurry Seal is prohibited on the day prior to and on the same day as refuse and recycling collection.**
- 2) **Contractor shall schedule Residential Slurry Seal work according to the Daily Residential Slurry Seal schedules included in Appendix V.**
- 3) **Application of Slurry Seal on Calle Mayor, Anza Avenue, Skypark Drive, and Carson Street is permitted only on weekdays between the hours of 9:00 a.m. to 1:00 p.m.**
- 4) **Application of Slurry Seal on the City of Torrance Cultural Arts Parking Lot shall be performed only on Saturdays and Sundays.**
- 5) **Application of Slurry Seal on the City Hall North Employee Parking Lot shall be performed only on a City Hall closed Friday or Saturday. Closed Fridays are: May 1, 15, 29; June 12, 26; July 3, 10, 24; August 7, 21; September 4, 18.**

- 6) **During application of Slurry Seal on arterial streets, Contractor shall maintain access to at least one half (1/2) of each driveway in the work area at all times. Flag strings shall be utilized to clearly delineate the work area to prevent cars from driving on fresh slurry until it is completely dry.**
- 7) **TEMPORARY PAVEMENT MARKINGS; CAT-TRACKING AND STRIPING: Reflective yellow and white "Tabs" MUST be installed following the installation slurry seal to indicate locations of lane lines, STOP limit lines, all yellow crosswalks and shall be maintained until new striping is installed. Cat-tracking layout for final pavement markings shall be completed within three (3) working days after applying slurry seal to a residential and/or arterial street and on the same day as applying slurry seal to a parking lot. Striping shall take place between seven (7) and fourteen (14) calendar days after applying slurry seal.**
- 8) **WORK HOURS.** Work shall be performed between the hours of 7:00 a.m. and 4:30 p.m. unless otherwise approved by the Engineer.
- 9) **TEMPORARY STREET PARKING FOR RESIDENTS.** The schedule shall allow affected residents ample on-street parking within an 1,000-foot distance from their homes, and shall consider pedestrian access routes to said parking.
- 10) **STOCKPILE AREA.** Schedule shall indicate date for cleanup of stockpile area.
- 11) **WEEKEND WORK:** Weekend work is required for several project areas, as described in these Specifications.

**6-1.3 Updates.** The Contractor is expected to strictly adhere to the schedule. Should it be necessary to change the sequence of the streets previously scheduled for Work, the Contractor shall immediately inform the Engineer, and within 24-hours of such notification, submit a revised schedule for approval. In no case shall the Contractor be allowed to perform any Slurry on a street without notifying the Engineer and the residents as required in these Specifications.

Written re-notification is required, per Section 7-10.1.2, Notifications and Postings.

**6-1.4 Compensation.** Compensation for all scheduling activities will be made on the lump sum basis per the Contract Unit Price for "MOBILIZATION AND DEMOBILIZATION," in the Bidder's Proposal, if all schedules comply with the requirements of the Specifications, and are submitted in a timely manner and in proper form.

## **6-7 TIME OF COMPLETION.**

**6-7.1 General.** Replace the first sentence with the following:

Time shall be of the essence in the Contract. The Contractor shall begin Work within five (5) working days of the start date specified in the Notice to Proceed and shall diligently prosecute the work to completion.

**6-7.3 Contract Time Accounting.** Insert the following before the first sentence:

Unless otherwise specified, contract time accounting shall be expressed in working days.

**6-8 COMPLETION, ACCEPTANCE AND WARRANTY.** Add the following:

It is the intent of the Specifications that only first-class materials and workmanship will be acceptable. The Contractor shall take all necessary measures to protect Work from damage and prevent accidents and vandalism during any and all phases of the work.

Until the final acceptance of the Work by the City, by written action of the Engineer, the Contractor shall have the charge and care thereof and will bear the risk of injury or damage to any part of the Work by the action of the elements, vandalism, or any other cause. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the Work occasioned by any cause before its completion and acceptance and will bear the expense thereof.

A partial list of causes for rejection of Work includes:

- Power steering marks
- Drive-through marks
- Raveling
- Color variations
- Loose gravel on roadways, sidewalks, gutters and parkways
- Deliberate defacing by vandals
- Slurry seal applied over traffic markings and/or manhole and utility valve covers
- Inadequate temporary traffic markers

**6-9 LIQUIDATED DAMAGES.**

In each of the two paragraphs, substitute "\$750" in place of "\$250" as the amount of the liquidated damages per each consecutive calendar day.

**SECTION 7 – RESPONSIBILITIES OF THE CONTRACTOR**

**7-3 LIABILITY INSURANCE.** Replace the second sentence of the second paragraph with the following:

The Contractor shall maintain at its sole expense insurance, conforming to the requirements of Article 17, "INSURANCE" of the Public Works Agreement.

Add the following:

The Contractor must include all subcontractors as insured under its policies or must furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors will be subject to all of the requirements of the Public Works Agreement.

**7-4 WORKERS' COMPENSATION INSURANCE.** Add the following after the first sentence of the second paragraph:

Worker's Compensation Insurance shall be per Section 17 of the Public Works Agreement.

**7-5 PERMITS.** Replace this section with the requirements of paragraph J in the Instructions to Bidders.

**7-6 THE CONTRACTOR'S REPRESENTATIVE.** Add a third paragraph to the section stating the following:

Before starting work, the City shall have the authority to not approve the Contractor's proposed representative and/or alternate representative. The City shall inform the Contractor in writing and request a replacement representative and/or alternate representative. The City shall have the authority to require the Contractor to remove its representative and/or alternate representative at any time without cause and at no cost to the City.

## **7-8 WORK SITE MAINTENANCE.**

**7-8.1 General.** Add the following subsections:

**7-8.1 Temporary Light, Power, and Water.** If required, the Contractor shall obtain a construction water meter from the CITY by calling Torrance Customer Service Operations ("CSO") at (310) 921-6449. A \$1,000 deposit is required and refundable upon return of the meter in good working condition. The Contractor shall pay for the water used, at the CITY's current water rates.

Some water mains in Torrance are owned and operated by California Water Service. For rental of a hydrant meter the contractor shall call California Water Service at (310) 257-1400.

**7-8.1.2 Graffiti Removal.** The Contractor shall maintain the Work, all of its equipment, and all traffic control devices, including signage, free of graffiti throughout the duration of the Contract. The Contractor shall respond to any request from the Engineer to remove graffiti within 4 hours of notification. Should the Contractor fail to respond to such request, the City reserves the right to make other arrangements for the requested graffiti removal and deduct the cost from any monies due the Contractor.

**7-8.6 Water Pollution Control.** Add the following subsections:

**7-8.6.2 Best Management Practices (BMPs).** Best Management Practices shall be defined as any program, technology, process, siting criteria, operating method, measure, or device, which controls, prevents, removes, or reduces pollution. The Contractor shall obtain and refer to the California Stormwater Quality Association's: Stormwater Best Management Practice Handbook Portal: Construction. The publication is available from CASQA.

BMPs for Contractor activities shall be continuously implemented throughout the year. BMPs for erosion control and sedimentation shall be implemented during the period from October 15 to April 15, and whenever the National Weather Service predicts rain within 24 hours. BMPs for erosion control and sedimentation shall also be implemented prior to the commencement of any Contractor activity or construction operation that may produce run-off, and whenever run-off from other sources may occur.

The City, as a permittee, is subject to enforcement actions by the State Water Resources Control Board, Environmental Protection Agency, and private citizens. The City may assess the Contractor a penalty of \$1,000 for each calendar day that the Contractor has not fully implemented the BMPs specified for the Contract and/or is otherwise in noncompliance with these provisions. In addition, the City will deduct, from the final payment due the Contractor, the total amount of any fines levied on the City, plus legal and staff costs, as a result of the Contractor's lack of compliance with these provisions and/or less than complete implementation of the specified BMPs.

Full compensation for the implementation of BMPs, including the construction, removal, and the furnishing of all necessary labor, equipment, and materials, shall be considered as included in the prices bid for the various items of work.

**7-9 PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS.** Add the following subsections:

**7-9.1 Protection of Permanent Pavement Markers, Manholes, Valves, Thermoplastic Markings.**

The Contractor shall cover and protect existing raised pavement markers (blue, white and yellow), manhole covers, utility valve covers, survey markers and similar items from damage and discoloration from the slurry seal operation. The City uses special water valve lids which must be protected at all times.

Existing thermoplastic "STOP" legends and 12"-wide stop bars and other thermoplastic pavement markings that are not within the work area, but in close proximity shall either be masked to prevent damage during the slurry seal application or, if damaged, replaced in-kind after the slurry seal application. Refer to Section 310-5.6.1 of these Specifications.

All protective masking material shall be promptly removed by the Contractor.

Full compensation for protection and restoration of existing improvements shall be included in the bid items to which this work is appurtenant and no additional compensation will be allowed therefore.

**7-10 PUBLIC CONVENIENCE AND SAFETY.**

**7-10.1 Traffic and Access.**

**7-10.1.1 General.** Delete this subsection and replace with the following:

The Contractor is allowed to fully close local residential street segments and restrict driveway access to private properties for up to 9 hours (7:00 a.m. to 4:00 p.m.), subject to compliance with the operational requirements of these specifications. The Contractor's operations shall cause no unnecessary inconvenience and shall accommodate emergency access to residents and businesses on a case by case basis.

The Contractor shall provide and maintain all signs, barricades, flashers, delineators and similar devices needed for traffic control in accordance with the California Manual on Uniform Traffic Control Devices, latest edition. Flagmen shall also be provided by the Contractor on an as-needed basis.

The Contractor shall protect the work from traffic. Should the slurry seal be damaged, the Contractor shall provide satisfactory repairs at no cost to the City.

At the end of each day's work and at other times when construction operations are suspended, all equipment and other obstructions shall be removed from the roadway.

Add the following subsections:

### **7-10.1.2 Notifications and Postings.**

**SIGNS SHALL NOT BE POSTED ON TREES, TRAFFIC SIGNAL POLES, UTILITY POLES, STREET LIGHTS, OR ANY OTHER STREET FURNITURE.**

Notifications and postings shall consist of “door-hanger” Notices, printed Notices mounted on barricades or wood stakes, and “No Parking – Tow Away” signs. The City will provide original PDF files of notices each week and the Contractor shall be responsible for printing and distributing and/or posting all such notices.

**A “door-hanger” Notice for each street segment shall be distributed: a) one (1) week prior to the scheduled work, and b) 48 hours in advance of the Work on that street segment.**

A copy of the above Notices shall be posted at each and all access points to the affected street segment and in the same manner as the “No Parking – Tow Away” signs.

The “No Parking-Tow Away” signs shall be posted on each street segment at least 48 hours in advance of scheduled Work. The signs shall be mounted on 1” x 2” wood stakes, barricades, or other approved support. Signs shall be spaced at approximately 100’ intervals on both sides of the street. The text shall include the day, date, and hours that parking will be prohibited on that particular street and a statement that parked vehicles must be towed away at owner’s expense per California Vehicle code CVC 22651L and CVC 22654D.

The Contractor shall document the day, date, and time that the signs are installed. The “No Parking” restriction cannot be enforced until the signs have been in place at least 24 hours. The Contractor shall maintain said signs through the day of work, and shall remove all of said signs on the same day after completion of the work, or as otherwise directed by the Engineer.

If, in the event a street scheduled for Work is missed, the Contractor shall immediately remove all “No Parking” signs and Notices and deliver a new Notice from the City to all previously notified persons. The Contractor shall have on the job site, prior to the start of each day’s work, an adequate supply of approved Notices for missed streets.

Full compensation for conforming to the above requirements shall be considered as included in the various bid items to which the notifications and postings are appurtenant, and no additional compensation will be allowed therefore.

**7-10.1.3 Temporary Pavement Markings.** Temporary pavement delineation shall be furnished, placed and maintained by the Contractor, in accordance with the provisions of Section 12-3.01, of the Caltrans Specifications. Contractor will be responsible for the removal of the temporary marks and perform the permanent pavement striping. Nothing in these Special Provisions shall be construed as to reduce the minimum standards specified in the Manual on Uniform Traffic Control Devices or as relieving the Contractor from responsibility as provided in 7-10 of these Special Provisions.

Whenever the work causes obliteration of pavement delineation, temporary or planned pavement delineation shall be in place prior to opening the traveled way to public traffic. Lane line or centerline pavement delineation shall be provided at all times for traveled ways open to public traffic.

All work necessary to establish satisfactory lines for temporary pavement delineation shall be performed by the Contractor. Surfaces on which temporary pavement delineation is to be applied shall be cleaned of all dirt and loose material and shall be dry when the pavement delineation is applied. Temporary pavement delineation shall not be applied over existing pavement delineation or other temporary pavement delineation.

Temporary pavement delineation shall consist of temporary reflective raised pavement markers placed on lane lines and centerlines at longitudinal intervals of not more than 24 feet apart. Stop bars and cross walks shall also be clearly delineated by raised pavement markers at 5 feet on-center, minimum. Temporary reflective raised markers shall be the same color as the lane line or centerline the markers replace. Temporary reflective raised pavement markers shall be, at the option of the Contractor, one of the following or approved equal:

3M Scotch-Lane A200 Pavement Marking System (reflective raised pavement marker on reflective traffic line tape), manufactured by 3M Company, Highway Safety Products, 1010 Hurley Way, Suite 300, Sacramento, CA 95825, Telephone (916) 924-9605.

Application shall be in accordance with the manufacturer's instructions, except that epoxy adhesive shall not be used.

There shall be no additional payment for temporary pavement markings and all costs for furnishing, placing, maintaining, and removing the temporary pavement delineation shall be considered as included in the bid prices for the work to which the markings are appurtenant.

**7-10.1.4 Storage of Equipment and Materials in Public Streets.** Replace the first paragraph with the following:

Construction materials and equipment shall not be stored in streets, roads or highways, unless specifically authorized by Engineer.

**7-10.1.5 Street Closures, Detours, Barricades.** Add the following.

The Contractor shall provide and maintain all other signs, barricades, pedestals, flashers, delineators, and other necessary facilities for the protection of the public and control of vehicular and pedestrian traffic within the limits of the construction area. All traffic control devices shall be clean and free of graffiti, and the Contractor shall be responsible to immediately clean and replace any device to the satisfaction of the Engineer. All barricades used as warning and guiding devices shall bear the name of the Contractor in legible letters.

The Contractor shall notify the following offices at least two (2) working days in advance prior to any street closure, or partial closure, or restriction of access:

- |   |                |
|---|----------------|
| 1. Engineer   | (310) 781-6900 |
| 2. Torrance Police Department                         | (310) 618-5557 |
| 3. Torrance Fire Department                           | (310) 781-7040 |
| 4. Torrance Sanitation Division (Tony Mullikin)       | (310) 781-6904 |
| 5. Torrance Transit Department (Bus Operations)       | (310) 618-6927 |
| 6. Torrance Unified School District – District Office | (310) 972-6500 |
| 7. United States Post Office                          | (310) 222-5902 |

## **SECTION 9 – MEASUREMENT AND PAYMENT**

### **9-3 PAYMENT.**

#### **9-3.2 Partial and Final Payment.** Add the following before the first paragraph:

The Contractor shall submit all requests for payment in the form of an invoice and provide it to the Engineer. Prior to submittal of said invoice, all items for which payment is requested shall be checked and approved in writing by the Engineer. No payments will be made unless all back-up data is submitted with the payment request, and the Progress Payment Invoice is signed by both Contractor and Engineer.

Delete the third paragraph in its entirety and replace with:

From each progress estimate, 5 percent will be deducted and retained by the City, and the remainder, less the amount of all previous payments, will be paid. In addition, 125% of the amount of outstanding "Stop Notices" shall be withheld.

Add the following:

#### **9-3.4 Mobilization.** Replace the entire subsection with the following:

Mobilization shall include the provisions of the Construction Schedule, Best Management Practices, site review; insurance, and bonds; moving onto the site all equipment; and other construction facilities, and removal of same at completion of the Work; and all other work, as required for the proper performance and completion of the Work.

Mobilization shall include, but not be limited to, the following items:

- a) Submittal and modification, as required, of the Construction Schedule.
- b) Moving onto the site of all Contractor's equipment required for the work.
- c) Providing on-site sanitary facilities and portable water facilities, as required.
- d) Submittal of all required insurance certificates and bonds, including subcontractors.
- e) Obtaining all required permits.
- f) Posting all OSHA required notices and establishment of safety programs.
- g) Having the Contractor's Superintendent present at the job site full time.
- h) Removal (including all spray-painted markings on any surface), cleanup, and restoration.
- i) Demobilization.

Payment for Mobilization will be all be made on the lump sum basis per the Contract Unit Price for "MOBILIZATION AND DEMOBILIZATION," in the Bidder's Proposal, and progress payments shall be pro-rated as a percentage of the overall progress of work. Payment for Mobilization shall include all items listed in Section 9-3.4 of these Specifications.

## **PART 2 CONSTRUCTION MATERIALS**

### **SECTION 203 – BITUMINOUS MATERIALS**

#### **203-5 SLURRY SEAL.**

**203-5.1 General.** Replace the first sentence with the following:

Slurry seal shall be quick-set Type II emulsion-aggregate slurry (EAS), with the addition of 2.5% latex, for residential and arterial streets, and is herein referred to as “Slurry”.

Slurry seal shall be quick-set Type I emulsion-aggregate slurry (EAS), with the addition of 2.5% latex, for City parking facilities and the airport, and is herein referred to as “Slurry”.

### **SECTION 210 – PAINT AND PROTECTIVE COATINGS**

#### **210-1 PAINT**

##### **210-1.6 Paint for Traffic Striping, Pavement Marking, and Curb Marking**

**210-1.6.1. General.** Add the following:

All permanent striping and pavement markings on arterial streets shall be hot applied alkyd thermoplastic in accordance with the provisions of Subsection 84-2.02 of the Caltrans Standard Specifications.

All permanent striping and pavement markings on residential streets shall be paint in accordance with the provisions of this Section 84-3.02 of the Caltrans Standard Specifications.

**210-1.6.2. Thermoplastic Paint, State Specifications.** Replace the entire subsection with the following:

Thermoplastic traffic stripes and pavement markings shall conform to the provisions of Subsection 84 of the Caltrans Standard Specifications. Contractor shall paint a solid black stripe between all double thermoplastic striping.

### **SECTION 214 – PAVEMENT MARKERS**

Delete the entire Section 214 and replace with Section 85 of the Caltrans Standard Specifications (latest edition).

#### **85-1.05 Retroreflective Pavement Markers**

##### **85-1.051 Blue Pavement Markers**

Blue pavement markers shall conform to Section 3B-11, “Raised Pavement Markers”, of the California Manual on Uniform Traffic Control Devices (MUTCD), current edition.

**85-1.055 Adhesives.** Add the following:

At the option of the Contractor, a hot melt bituminous adhesive may be used to cement the markers to the pavement, instead of the Rapid Set Type or Standard Set Type adhesive specified in Section 85-1.06 of the Caltrans Standard Specifications. The bituminous adhesive material, if used, shall conform to the following:

<b><u>ASTM Test Specification</u></b>	<b><u>Method</u></b>	<b><u>Requirement</u></b>
Flash Point, COC °F	D 92	550 Min.
Softening Point, °F	D 36	200 Min.
Brookfield Viscosity, 400° F	D 2196	3,000-7,500 cP
Penetration, 100g 5 sec., 77° F	D 5	10-20 dmm
Filler Content, % by weight (Insoluble in 1,1,1 Trichloroethane)	D 2371	50-75

## **PART 3 CONSTRUCTION METHODS**

### **SECTION 300 – EARTHWORK**

**300-2.1 General.** Add the following text:

**Roadway Dioguts:**

Unclassified excavation of existing AC pavement and underlying materials will be required as directed by the Engineer. City staff will inspect the pavement condition to identify the locations and extents of each area. The minimum width of an area is expected to be no less than 8 feet and within a single travel lane. The City anticipates the smallest dig-out area will measure approximately 200 SF.

**300-2.9 Payment.** Add the following:

**Measurement & Payment** for the removal and disposal of bituminous pavement and unclassified excavation to a total depth of 10 inches below existing arterial roadway grade shall be considered as included in the Contract Unit Price for “DIG-OUTS” as measured in the field and shall include sawcutting, removal of underlying subgrade and base, disposal, subgrade preparation and compaction, placement & compaction of 6 inches of CMB, placement & compaction of 4 inches of Type B-PG-64-10 Asphalt Concrete, application of tack coat, and all labor and equipment.

**Measurement & Payment** for the removal and disposal of bituminous pavement and unclassified excavation to a total depth of 7 inches below existing residential roadway grade shall be considered as included in the Contract Unit Price for “DIG-OUTS – RESIDENTIAL” as

measured in the field and shall include sawcutting, removal of underlying subgrade and base, disposal, subgrade preparation and compaction, placement & compaction of 4 inches of CMB, placement & compaction of 3 inches of Type B-PG-64-10 Asphalt Concrete, application of tack coat, and all labor and equipment.

## **SECTION 302 – ROADWAY SURFACING**

### **302-4 SLURRY SEAL SURFACING.**

#### **302-4.1 General.** Add the following:

The Contractor shall immediately inform the City of any necessary asphalt patching or repairs, and all other roadway surface preparation work not included in these specifications, but is required in order to achieve the required quality of slurry seal work, at any project location.

**Prior to Slurry application, the Contractor shall perform the following preparation Work in all project areas, unless otherwise specified:**

- 1) Remove all existing pavement striping, markings, and legends, and raised pavement markers per Section 314, "TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT PARKERS," in these Special Provisions.
- 2) Apply crack sealant in accordance to Section 302-14 "BITUMINOUS PAVEMENT CRACK SEALING," of these Special Provisions.
- 3) Protect all manhole covers, drain inlet covers, monument covers and all other utility covers from Slurry Seal operations by applying a sheet of plastic, cut to fit or placing a plastic bag over the exposed facilities or other methods approved by the Engineer. All traces of plastic, residual emulsion and Slurry shall be removed from all manhole covers, drain inlet covers, monument covers and all other utility covers as quickly as possible, after the application of Slurry and/or prior to final acceptance of the project.
- 4) Clean all surfaces that are to be Slurried, including removing all debris, vegetation, and other organic matter, removing any standing water, and sweeping the project area to remove all loose rocks and material.

#### **302-4.11 Measurement and Payment.** Delete this subsection and replace with the following:

Slurry will be measured by the square foot (SF) for the actual pavement area slurry sealed. Quantities shown in the Bidder's Proposal are based on estimated measurements of the project areas and are approximations only.

Payment for furnishing, preparing and placing Slurry will be made at the Contract Unit Price per square foot bid for either "TYPE II SLURRY SEAL WITH 2-1/2% LATEX" or "TYPE I SLURRY SEAL WITH 2-1/2% LATEX" in Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Work involved in the application of Slurry, including but not limited to, all surface preparations; sweeping of all work areas before and after Slurry applications; weed and debris removal; protection of manholes, valve boxes, drop inlets and other service entrances; and site clean-up.

Compensation for preparation Work described in this Section will be considered as included in the Contract Unit Price for the items of work involved and no additional compensation will be allowed therefore.

No payment shall be made for any area requiring re-application of Slurry due to damage of Slurry, prior to acceptance of Work.

Add the following subsections:

### **302-14 BITUMINOUS PAVEMENT CRACK SEALING.**

**302-14.1 General.** Bituminous pavement crack sealing shall consist of furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Work involved in the application of bituminous pavement crack sealant.

All pavement cracks equal to 1/4" in width or greater shall be sealed.

**302-14.2 Cleaning.** Prior to crack sealing, the Contractor shall be responsible for properly cleaning all pavement cracks to be sealed, to the satisfaction of the Engineer. Cleaning of pavement cracks shall include, but is not limited to, the application of approved weed killer, as specified by the manufacturer or Engineer, removal of debris or loose material from cracks, and cleaning of cracks with a hot air lance.

**302-14.3 Materials.** The crack sealant shall be a mixture of asphalt cement, aromatic rubber extender, oil and a minimum of 20% powdered rubber by weight, combined in such a manner as to produce a material with the following properties:

- 1) **WORKABILITY.** The material shall pour readily and penetrate large cracks at temperatures below 400 degrees Fahrenheit.
- 2) **CURING.** The product shall contain no water or volatile solvents and shall cure immediately upon cooling to a sufficient viscosity to prevent tracking by traffic.
- 3) **LABORATORY EVALUATION.** When the sample of the product has been heated at 350 degrees Fahrenheit for two hours, it shall pass the following tests:
  - Softening Point (R & B): 135 degrees Fahrenheit Min. (ASTM D312)
  - Flexibility: A 1/8" thick specimen of the product conditioned to 10 degrees Fahrenheit shall be capable of being bent to a 90-degree angle over 1" mandrel without cracking.
  - The sealer shall be forced into the crack by use of a squeegee.

**302-14.4 Payment.** Payment for bituminous pavement crack sealing will be made at the Contract Unit Price per linear foot for "CRACK SEALING" in the Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Work, as specified in the Specifications and these Special Provisions, and as directed by the Engineer. This item will be used in the event that City crews are unable to complete the crack seal work.

## **SECTION 312 – PAVEMENT MARKER PLACEMENT AND REMOVAL**

Delete the entire Section 312 and replace with Sections 85-1.06, 85-1.07 and 85-1.09 of the

Caltrans Standard Specifications.

**85-1.06 Placement.** Add the following:

The solid 4" white lines at intersections shall have a marker installed at each end. These markers shall be placed on the line.

Markers shall not be installed on bike lane striping.

**85-1.09 Payment.** There shall be no separate payment for pavement markers. Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing and placing pavement markings, complete in place, including adhesives and establishing alignment for pavement markers, as shown on the Plans, and specified in these Special Provisions shall be included in the Contract Unit Price for traffic striping and pavement markers as described in Section 84-2.06 of these Special Provisions.

**SECTION 314 – TRAFFIC STRIPING, CURB AND PAVEMENT MARKINGS, AND PAVEMENT MARKERS**

**314-2 REMOVAL OF TRAFFIC STRIPING AND CURB AND PAVEMENT MARKINGS.**

**314-2.1 General.** Replace the first paragraph with the following:

Prior to Slurry Seal application, the Contractor shall remove all existing raised pavement markings within the work limits by grinding. Other methods may be requested by the Contractor, which shall be submitted in writing to the Engineer for approval.

Contractor shall be responsible for noting and/or recording all existing pavement striping, markings, and legends on project streets and parking facilities, prior to any removal, for the purpose of matching the existing configuration, installation and dimension of said markings during installation.

All existing raised pavement markers, pavement striping, markings and legends not within the work limits, but in close proximity, shall either be protected from the Work or restored in-kind to the satisfaction of the Engineer.

The Contractor is strongly advised to confirm in advance with the Engineer any and all markings designated for removal. Should the Contractor or its Subcontractor inadvertently or intentionally remove markings in areas not designated for slurry seal, the Contractor will be fully responsible for restoring the pavement surface and all markings. Pavement restoration shall be accomplished, at a minimum, by use of slurry seal. All costs for the restoration of pavement surfaces and markings shall be the sole responsibility of the Contractor.

**314-2.3 Payment.** Replace the entire subsection with the following:

Payment for the removal of pavement striping, markings and legends, and raised pavement markers will be made on the lump sum basis per the Contract Unit Price for "REMOVE EXISTING PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS" in the Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Work, as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

## **314-4 APPLICATION OF TRAFFIC STRIPING AND CURB AND PAVEMENT MARKINGS.**

### **314-4.3 Painted Traffic Striping and Curb and Pavement Markings.**

#### **314-4.3.1 General.** Delete this subsection and replace with the following:

The Contractor shall install all traffic striping, and curb and pavement markings on all streets and City parking facilities listed in the Appendix, no earlier than one (1) week and no longer than two (2) weeks after Slurry Work is complete. All pavement striping, markings, and legends shall be installed with (2) two coats of paint.

All pavement striping, markings, and legends shall match the existing configuration and dimension of the project area, unless otherwise directed by the Engineer. Contractor shall be responsible for noting and/or recording all existing pavement striping, markings, and legends prior to removal. Any pavement striping, markings, and legends that do not match the existing configuration and dimension of the project area, shall be corrected by the Contractor, to the satisfaction of the Engineer, no more than two (2) working days after receiving notification. All associated removals and installations, necessary to complete the work, shall be performed as outlined in these Special Provisions at the sole expense of the Contractor, and no separate compensation will be allowed therefore.

Existing thermoplastic and/or painted pavement striping, markings, and legends outside of the Work area shall be protected in place by the Contractor, unless otherwise directed by the Engineer. In addition, Contractor may be required to install new pavement striping, markings, and/or legends that previously do not exist on the streets and City parking facilities listed in the Appendix.

Contractor shall not proceed with the painting of any pavement striping, markings, and/or legends until after the Engineer has inspected and approved the required "cat-tracking", and has authorized the Contractor to proceed with said painting.

For City parking facilities, the Contractor shall layout ("cat-track") parking area striping, markings and legends on the same day as slurry seal application. After completion of layout, the Contractor shall notify the Engineer, and allow for a minimum of two (2) business days after notification, for the Engineer to inspect the layout.

Contractor shall not proceed with the painting of striping, markings or legends until after the Engineer has inspected and approved the required layout, and has authorized the Contractor to proceed with said Work.

**"Cat-track" marks shall be made in chalk and/or marking paint only. "Striping" paint for the purpose of cat-tracking is prohibited.**

Contractor shall refresh all painted curbs within the work limits, unless otherwise directed by the Engineer.

All existing pavement striping and markings that do not conform to the approved Plans shall be removed by grinding. Blackout of existing pavement striping and markings, which do not conform to the approved Plans, will not be allowed.

**314-4.3.2 Painting Traffic Striping, Pavement Markings and Curb Markings.** Delete the entire subsection 310-5.6 and replace with Section 84 of the Caltrans Standard Specifications.

**84-1.01 Description.** Replace the first two paragraphs with the following:

The work on arterial streets shall consist of applying thermoplastic traffic stripes (traffic lines) and pavement markings at the locations and in accordance with the details shown on the Plans or designated by the Engineer, and as specified in these Specifications and Special Provisions.

The work on residential streets shall consist of applying paint traffic stripes (traffic lines) and pavement markings at the locations and in accordance with the details shown on the Plans or designated by the Engineer, and as specified in these Specifications and Special Provisions.

The thermoplastic material and paint material shall conform to the provisions of 84-2.02 and 84-3.02, respectively, of the Caltrans Standard Specifications.

**84-2.06 Payment.** Replace the entire subsection with the following:

Payment for thermoplastic traffic striping on arterial streets shall be on a lump sum basis per the Contract Unit Price for various bid items for "INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS" and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, necessary to complete the Work.

All costs for establishing alignment of traffic stripes, pavement markers, layout, and temporary pavement painting shall be included and no extra costs will be allowed.

**84-3.07 Payment.** Replace the entire subsection with the following:

Payment for traffic striping, pavement marking, pavement markers, and pavement legends shall be on a lump sum basis per the Contract Unit Price for various bid items for "INSTALL PAVEMENT STRIPING, MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS" in the Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, necessary to complete the Work, as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

All costs for establishing alignment of traffic stripes, pavement markings, pavement markers, layout, temporary pavement painting, and sandblasting of existing lines and markings shall be included and no extra costs will be allowed.

## **314-5 PAVEMENT MARKERS.**

**314-5.1 General.** Add the following:

Reflective pavement markers shall be placed on a location as established by the applicable Caltrans striping detail noted on the approved striping Plan, which includes, but is not limited to temporary painted line, new striping or existing striping. There shall be one marker for each location. All work necessary to establish satisfactory locations for markers shall be performed by the Contractor.

## **SECTION 315 – CONCRETE WHEEL STOPS**

Add the entire Section 315.

## **315-1 WHEEL STOPS.**

### **315-1.1 General.**

Refer the City Parking Facilities inventory table in the Appendices for approximate concrete wheel stop quantities for each project area. All concrete wheel stops at City Parking Facilities indicated shall be removed, including rebar pins, unless otherwise directed by the Engineer.

New concrete wheel stops shall be 4' long. Material for new concrete wheel stops shall be in accordance with Sections 201 and 303 of the latest edition of the Standard Specifications for Public Works Construction unless specified otherwise. Portland cement concrete shall be Class A six (6) sack mix developing not less than 3,250 psi compressive strength at 28 days. All cement shall be Type II.

### **315-1.2 Payment.**

Payment for removing all existing concrete wheel stops will be made on the lump sum basis per the Contract Unit Price for "REMOVE EXISTING CONCRETE WHEEL STOPS," in the Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to remove concrete wheel stops completely, including rebar pins. Payment shall also include disposing of wheel stops and repairing AC pavement damaged by the removal of concrete wheel stop and/or the 1" rebar pin, by using C3-PG-64-10 mix.

Payment for furnishing and installing new concrete wheel stops will be made at the Contract Unit Price per each bid for "FURNISH AND INSTALL NEW CONCRETE WHEEL STOPS," in the Bidder's Proposal, and shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Work, as specified in the Specifications and these Special Provisions, and as directed by the Engineer.

## **SECTION 316 –TRAFFIC CONTROL**

Add the entire Section 316.

### **316-1 TRAFFIC CONTROL.**

#### **316-1.1 General.**

**316-1.2 Payment.** Payment for Traffic Control will be all be made on the lump sum basis per the Contract Unit Price for "TRAFFIC CONTROL," in the Bidder's Proposal, and progress payments shall be pro-rated as a percentage of the overall progress of work. Payment shall include all signage, barricades, delineators, flashing arrow boards, traffic control devices, preparation and distribution of public notices, re-notification of affected homeowners and businesses as necessary, assistance in the towing of parked vehicles, and all other appurtenant work, and no extra payment shall be allowed.

**APPENDIX I**

**PUBLIC WORKS AGREEMENT**

**CITY OF TORRANCE  
BUSINESS LICENSE APPLICATION**

**PERMIT APPLICATION FORMS**

**FOR OFFICIAL USE ONLY**

1. LICENSE NO. 2. CATEGORY NO.  
HOME OCCUPATION HEALTH PERMIT N.A.I.C.S. CODE



City of Torrance, Revenue Division  
**Business License Application**

3031 Torrance Boulevard, Torrance, California 90503 • 310/618-5828

**PART I. APPLICANT TO ANSWER ALL QUESTIONS IN THIS SECTION (print or type)**

3. BUSINESS NAME OR DBA				4. CORPORATE NAME (IF DIFFERENT FROM ABOVE)			
5. BUSINESS ADDRESS		SUITE #	CITY		STATE	ZIP	
6. MAILING ADDRESS		SUITE #	CITY		STATE	ZIP	
7. NATURE OF BUSINESS (state type of business being conducted at this location)				8. NO. OF PERSONS WORKING AT LOCATION		9. BUSINESS PHONE	
10. NAME OF PERSON MAKING APPLICATION (must be an owner, partner or corporate officer)				11. TITLE		12. HOME PHONE	
13. RESIDENCE ADDRESS			CITY	STATE	ZIP	14. DRIVER'S LICENSE NO.	
15. STATE SALES TAX NO.							
16. STATE CONTRACTOR'S LICENSE NO.		17. SQUARE FOOTAGE		18. SOCIAL SECURITY NO.		19. FED TAX ID#	
20. STATE TAX ID#							
21. OWNERSHIP INFORMATION							
<input type="checkbox"/> PARTNERSHIP		<input type="checkbox"/> CORPORATION		<input type="checkbox"/> SOLE OWNERSHIP			
NAMES OF OWNER, PARTNERS, OR PRINCIPAL OFFICERS		TITLE		HOME ADDRESS		HOME PHONE	
I declare that I am the owner, partner, corporate officer or person with the power of attorney, and i understand if all the information provided above is not the true the business license being applied for may be revoked as outlined in section 31.9.10 of the Torrance Municipal Code.							
I am duly authorized to make this application. All of the information provided in this application is true and correct. The business will not provide any service, good or product which is illegal under Federal, State, or Local Laws. I declare under penalty of perjury that the foregoing is true and correct.							
SIGNATURE _____				DATE _____			

**PART II. FOR OFFICIAL USE ONLY**

BASIC FEE		APPLICATION SENT FOR ZONING? <input type="checkbox"/> YES <input type="checkbox"/> NO		PROCESSING FEE		FIRE INSP. FEE		OTHER		
PER PERSON FEE		OTHER (cont'd)								
PENALTY FEE		HOLD <input type="checkbox"/> YES <input type="checkbox"/> NO		ENT. FEE		DANCE/PIANO FEE				
RECEIVED BY			DATE		CHECK NO.		BANK NO.		CASH	TOTAL AMOUNT \$



City of Torrance, Community Development Department

# Permit Application Form

3031 TORRANCE BLVD. • TORRANCE, CA 90503

## OWNER/APPLICANT INFORMATION

## CONTRACTOR INFORMATION ON FILE

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Evacuation permits will not be issued without USA I.D. number.

Underground Service Alert  
Call 1-800/227-2600

USA I.D.#: \_\_\_\_\_

State License #: \_\_\_\_\_

Class: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

City Business#: \_\_\_\_\_

Workers Comp. #: \_\_\_\_\_

Exp. Date: \_\_\_\_\_

## JOB LOCATION/ADDRESS

*(or closest street address)*

Please list cross streets: \_\_\_\_\_

\_\_\_\_\_

## DESCRIPTION OF WORK

\_\_\_\_\_

\_\_\_\_\_

Lin/Ft Trench \_\_\_\_\_

Width of Trench \_\_\_\_\_

Lin/Ft Curb & Gutter \_\_\_\_\_

Lin/Ft Bore \_\_\_\_\_

Sewer Connection \_\_\_\_\_

Number of Curb Drains \_\_\_\_\_

Sq/Ft Asphalt \_\_\_\_\_

Sq/Ft Concrete \_\_\_\_\_

Sq/Ft Dirt \_\_\_\_\_

Work Order Number *(for utility companies)*: \_\_\_\_\_

Applicant or Authorized Signature: \_\_\_\_\_

For further permit information, please call 310/618-5898 or Fax 310/618-2846.

## Contractor Qualification List

<p>Curb/Gutter ..... A(General Engineering) C8(Concrete Contractor)</p> <p>Driveways ..... A(General Engineering) C8(Concrete Contractor)</p> <p>Sidewalks ..... A(General Engineering) B(General Building) C8(Concrete Contractor)</p> <p>Street/Alley ..... A(General Engineering) C8(Concrete Contractor) C12(Earth and Paving Contractor)</p> <p>Sewer Lateral..... A (General Engineering) C34(Pipeline Contractor) C42(Sanitation Contractor)</p>	<p>Sewer Mainline ..... A(General Engineering) C34(Pipeline Contractor) C42(Sanitation Contractor)</p> <p>Storm Drains ..... A(General Engineering) C34(Pipeline Contractor) C42(Sanitation Contractor)</p> <p>U/G Utilities..... A (General Engineering) (Water, Gas or Oil) C34 (Pipeline Contractor)</p> <p>U/G Electrical ..... A (General Engineering) C8 (Concrete Contractor) C12 (Earth and Paving Contractors)</p>
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## Contractor Qualification List

- 1) FOR INSPECTIONS 24 hour notice is required, before, during, and after construction. Call 310-618-5898, 7:30 AM – 5:30 PM, to SCHEDULE AN INSEPCTION.
- 2) Provide TRAFFIC CONTROL per the "CITY OF TORRANCE CONSTRUCTION TRAFFIC CONTROL PROCEDURES." Street closures shall be per City of Torrance Standard T603. Major street lane closures between 8:30 AM – 3:30 PM only. ONE STANDARD ARROWBOARD REQUIRED FOR EACH LANE CLOSURE.
- 3) Permitt is not valid until two working days after notifying DIG-ALERT of project. USA # \_\_\_\_\_
- 4) Do not remove any trees or shrubs without approval of Torrance Tree Supervisor (310-781-6900).
- 5) Contractor will be billed for overtime inspection services. OVERTIME REQUESTS must be submitted for approval 24 hrs in advance.
- 6) Construction site CLEANUP and GRAFFITI removal must be completed prior to finaling of this permit. The work site shall be kept in a well maintained condition. Signage shall be free of graffiti, replaced if bent, vandalized or displays loss of reflectivity. Any graffiti on construction signs must be removed or replaced within 24 hours of notification.
- 7) Any street striping, crosswalk, raised reflective pavement marker or pavement markings damaged by this construction shall be replaced to the satisfaction of the Torrance Public Works Department (310-781-6900).
- 8) THIS PERMIT WILL BE REVOKED if any pollutant is released into or allowed to remain in any component of the city drainage system.
- 9) Trench backfill and pavement repairs shall be per City of Torrance Standard T116.
- 10) Any irrigation system components damaged by this construction shall be replaced to the satisfaction of Park Services (310-618-2930).
- 11) All survey monuments in the project area MUST be located and tied out and a Corner Record filed prior to the start of construction. Also, all destroyed monuments must be replaced prior to receiving final inspection.
- 12) It is the responsibility of the contractor to REPLACE any PAVEMENT removed by this construction.
- 13) The City of Torrance is held harmless from the results of any action or accidents caused by the permittee, his employees, or equipment in the performance of the work described or covered in this permit. Validation of this permit SHALL NOT be held to permit or to be an approval of the violation of any applicable provision of the City Code covering this work, or any other provisions of the City of Torrance Code. In the granting of a Construction & Excavation permit, the Community Development Director may impose such conditions thereon, in addition to those otherwise provided herein, as are reasonably necessary to prevent the proposed operations from being conducted in such a manner as to constitute or create a HAZARD TO LIFE or property or be detrimental to property.

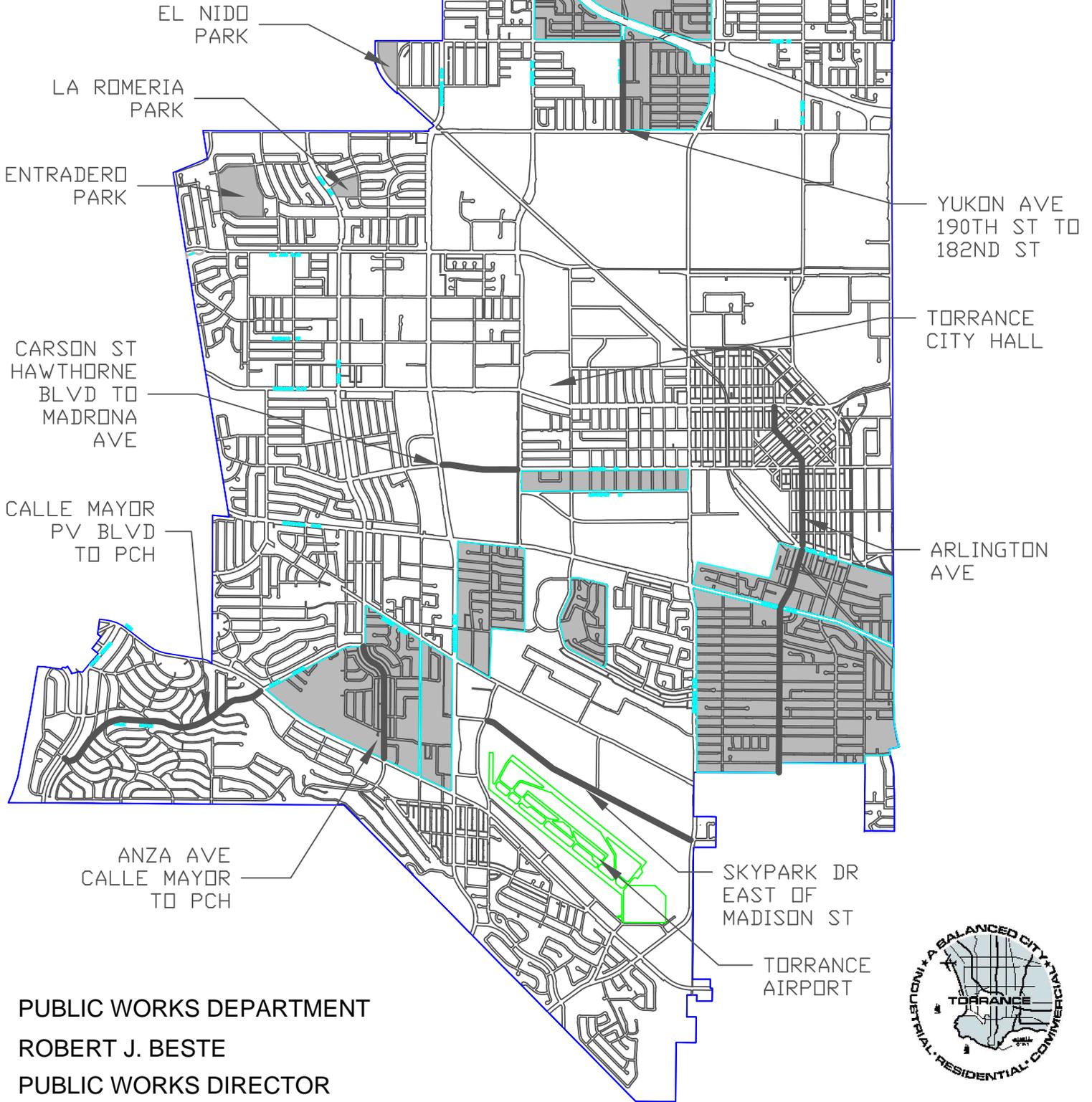
## **APPENDIX II**

### **PROJECT LOCATION MAP**

# RESIDENTIAL SLURRY SEAL PROGRAM, I-159 AND ARTERIAL PAVEMENT SEALING PROGRAM, I-139 SUMMER 2015



NTS



PUBLIC WORKS DEPARTMENT  
ROBERT J. BESTE  
PUBLIC WORKS DIRECTOR

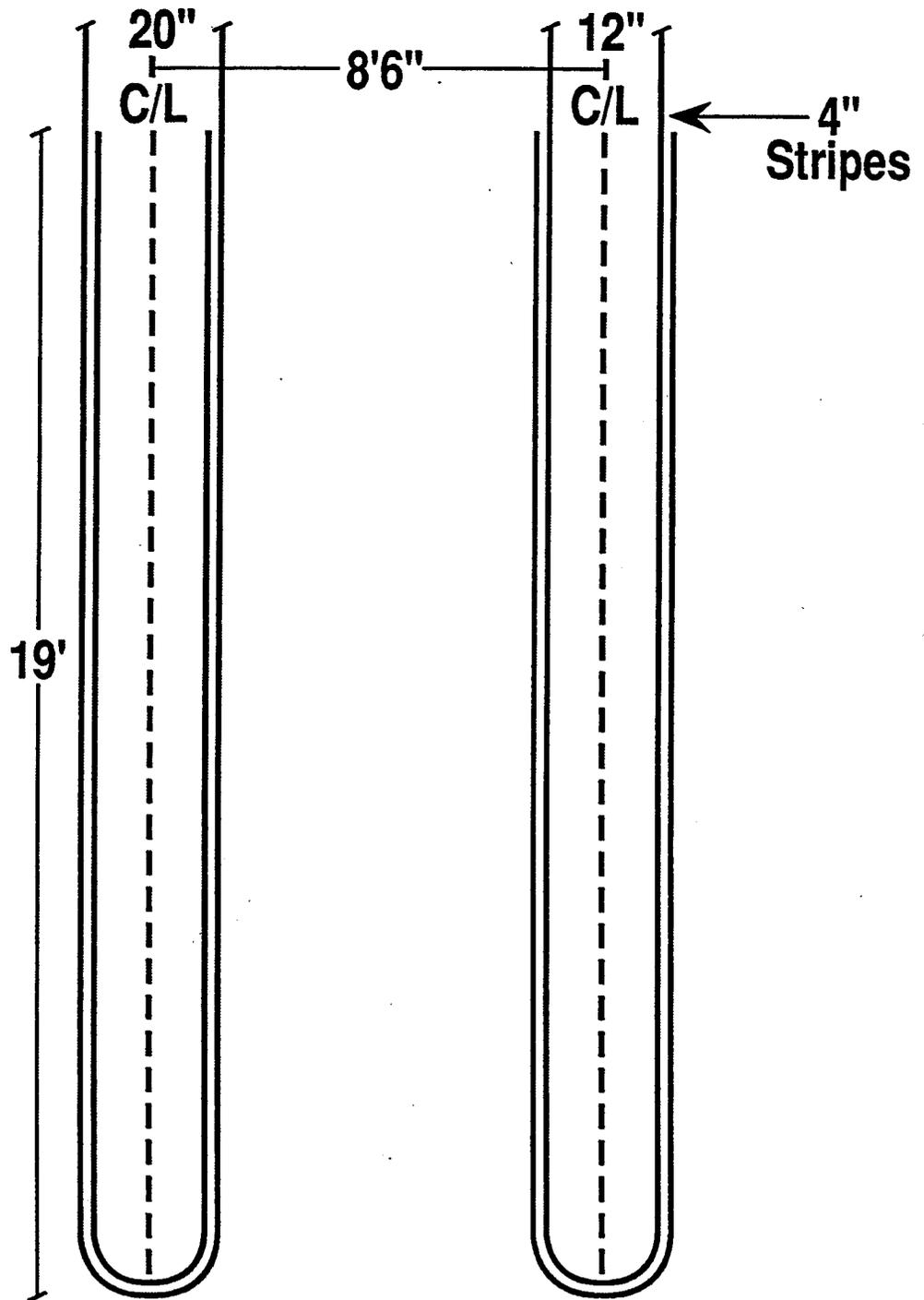


**APPENDIX III**

**CITY OF TORRANCE  
AND  
CALTRANS STANDARD PLANS  
FOR PAVEMENT MARKINGS**

# CITY OF TORRANCE

## STANDARD PARKING STRIPING



Not To Scale

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

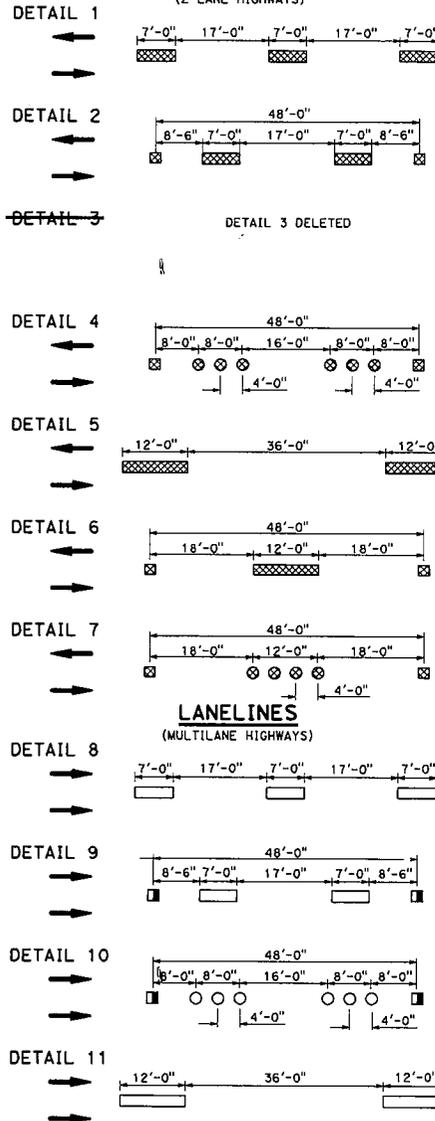
Registered Professional Engineer  
 Robert L. McLaughlin  
 No. 3-31-13  
 CIVIL  
 STATE OF CALIFORNIA

May 20, 2011  
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

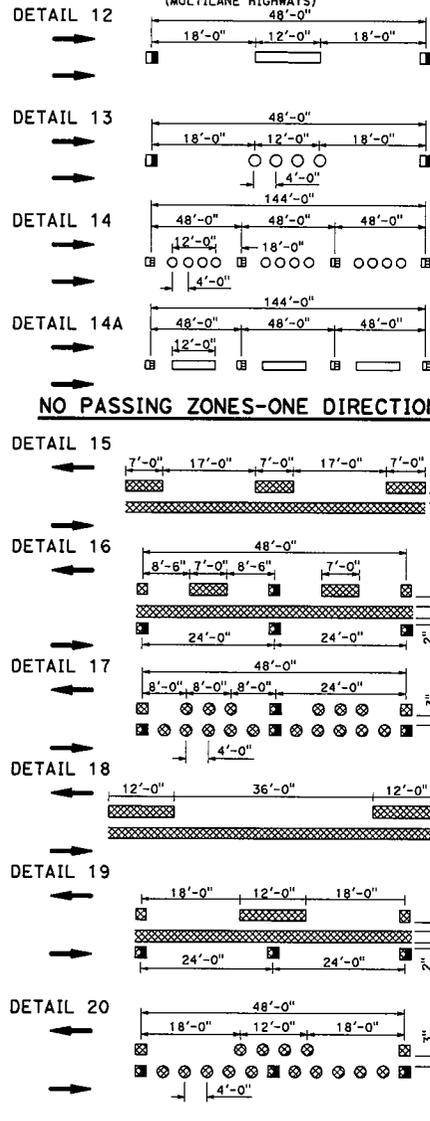
### CENTERLINES

(2 LANE HIGHWAYS)

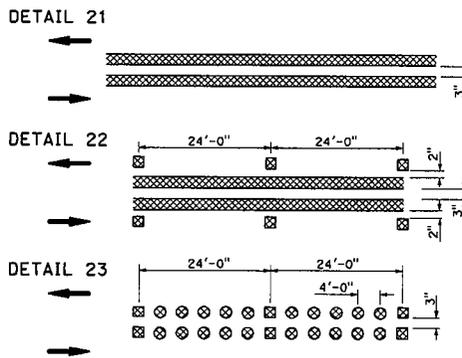


### LANELINES (Cont)

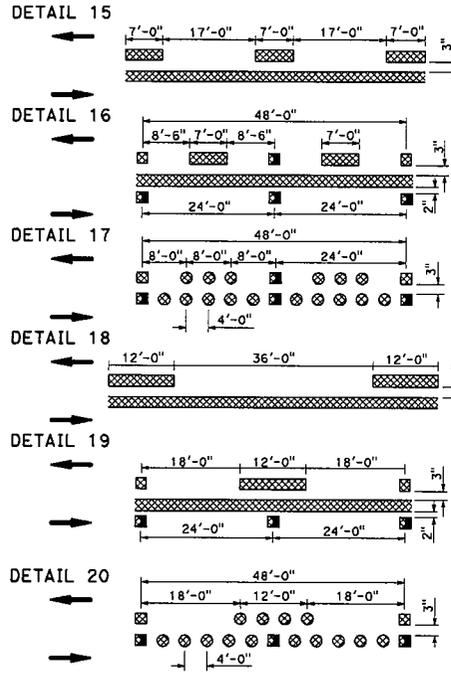
(MULTILANE HIGHWAYS)



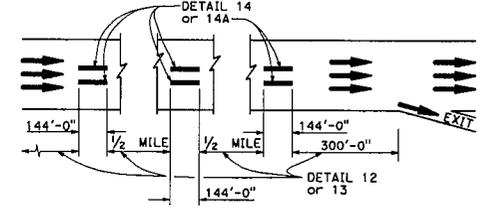
### NO PASSING ZONES-TWO DIRECTION



### NO PASSING ZONES-ONE DIRECTION



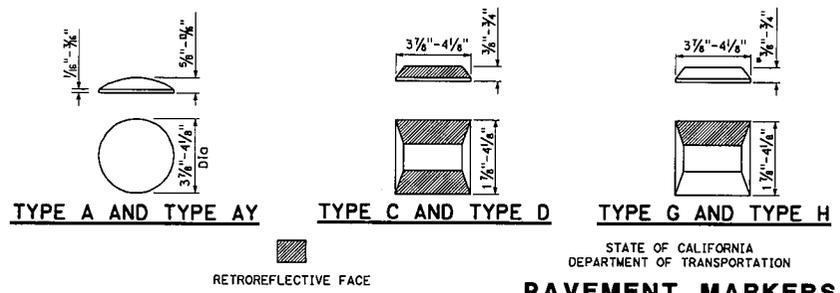
### TYPICAL LANE LINE DELINEATION IN ADVANCE OF EXIT RAMP



**NOTE:**  
Detail 14 is to be used in combination with Detail 13. Detail 14A is to be used in combination with Detail 12.

- LEGEND**
- MARKERS**
- TYPE A WHITE NON-REFLECTIVE
  - ⊗ TYPE AY YELLOW NON-REFLECTIVE
  - ◻ TYPE C RED-CLEAR RETROREFLECTIVE
  - ◻ TYPE D TWO-WAY YELLOW RETROREFLECTIVE
  - ◻ TYPE G ONE-WAY CLEAR RETROREFLECTIVE
  - ◻ TYPE H ONE-WAY YELLOW RETROREFLECTIVE
- LINES**
- ▭ 4" WHITE
  - ▨ 4" YELLOW
- ← DIRECTION OF TRAVEL

### MARKER DETAILS



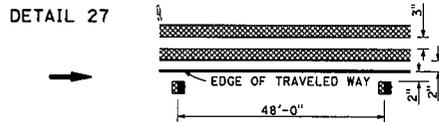
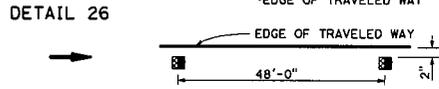
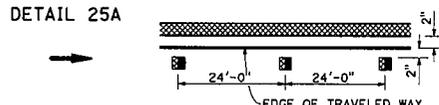
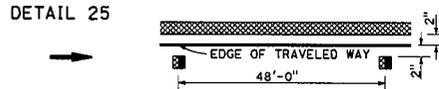
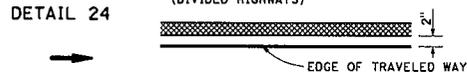
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS**

NO SCALE **A20A**

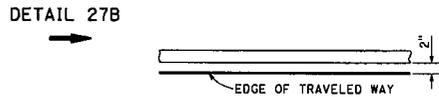
2010 STANDARD PLAN A20A

### LEFT EDGELINES (DIVIDED HIGHWAYS)

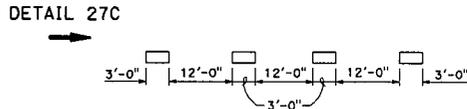


### RIGHT EDGELINES

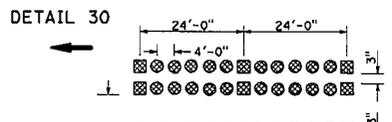
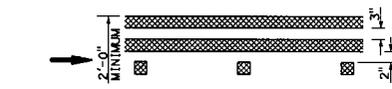
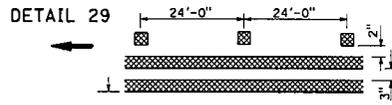
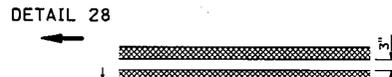
DETAIL 27A DELETED



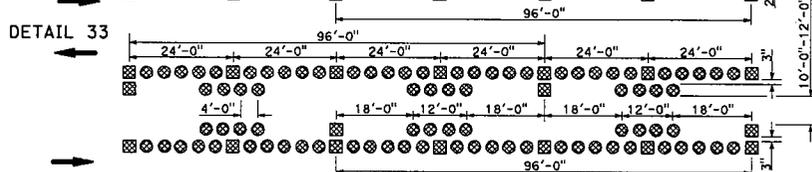
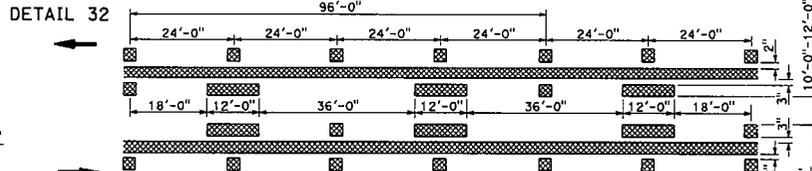
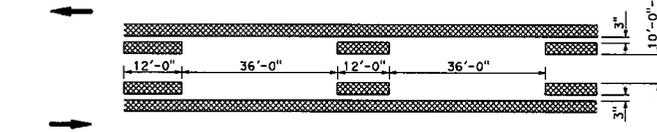
### RIGHT EDGELINE EXTENSION THROUGH INTERSECTIONS



### MEDIAN ISLANDS



DETAIL 31



### TWO-WAY LEFT TURN LANES

### LEGEND

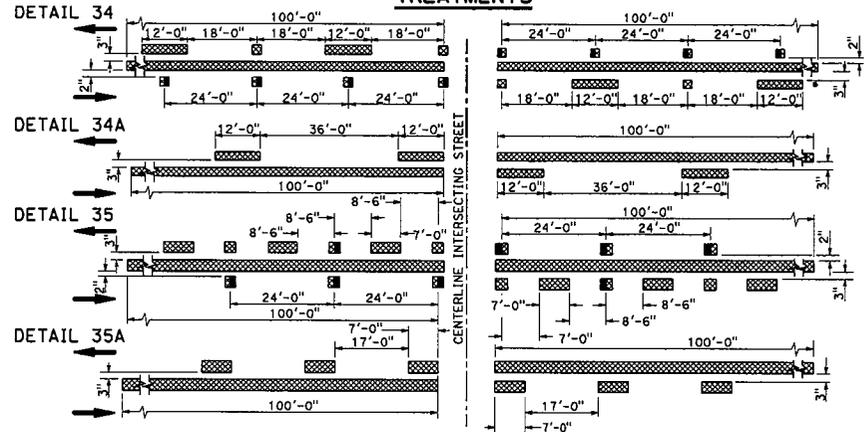
#### MARKERS

- ⊗ TYPE AY YELLOW NON-REFLECTIVE
- ⊠ TYPE D TWO-WAY YELLOW RETROREFLECTIVE
- ⊡ TYPE H ONE-WAY YELLOW RETROREFLECTIVE

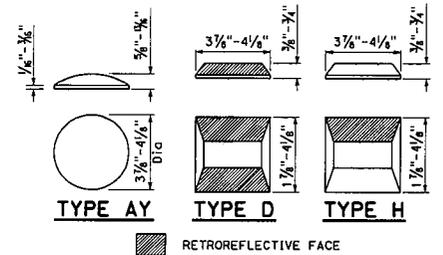
### LINES

- ▭ 4" WHITE
- ▨ 4" YELLOW
- ➔ DIRECTION OF TRAVEL

### INTERSECTION TREATMENTS



### MARKER DETAILS



STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS**  
NO SCALE

A20B

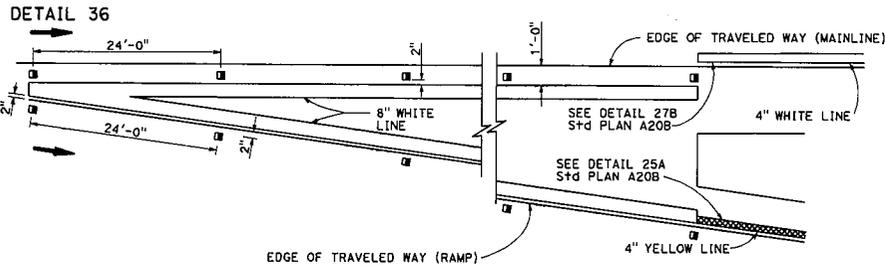
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

*Robert L. McLaughlin*  
 REGISTERED CIVIL ENGINEER  
 No. 3-31-13  
 CIVIL  
 STATE OF CALIFORNIA

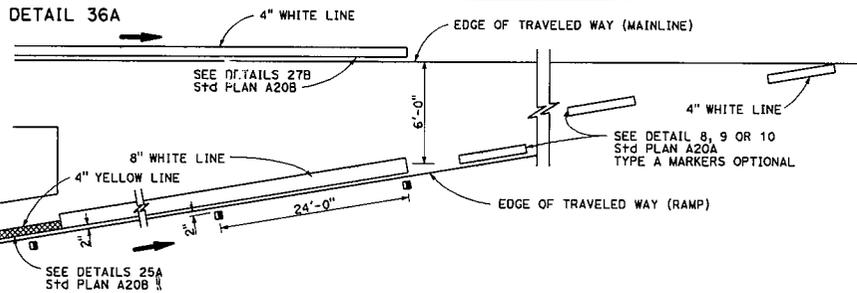
May 20, 2011  
 PLANS APPROVAL DATE

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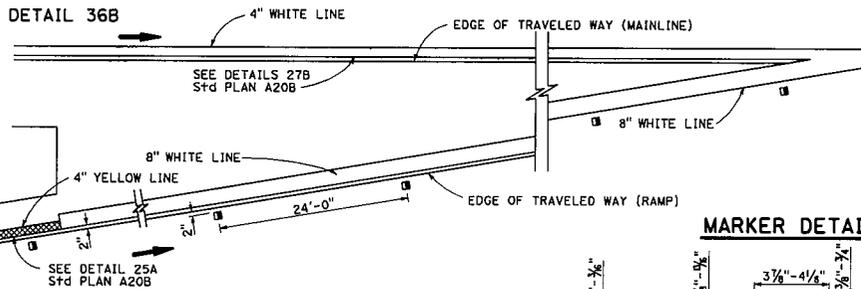
**EXIT RAMP NEUTRAL AREA (GORE) TREATMENT**



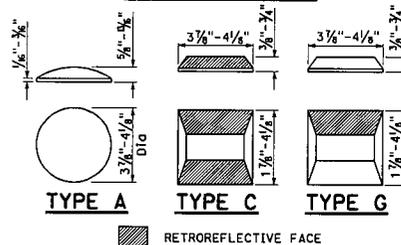
**ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT**



**ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT**



**MARKER DETAILS**



**LEGEND**

- MARKERS**
- TYPE A WHITE NON-REFLECTIVE
  - ◻ TYPE C RED-CLEAR RETROREFLECTIVE
  - ◼ TYPE G ONE-WAY CLEAR RETROREFLECTIVE
- ➔ DIRECTION OF TRAVEL

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

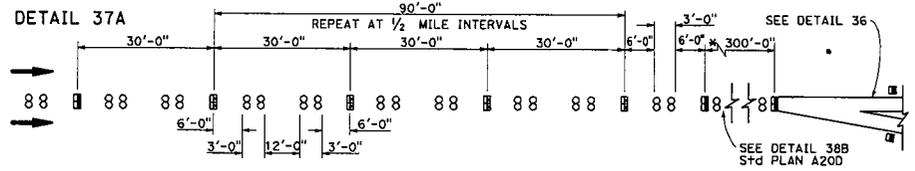
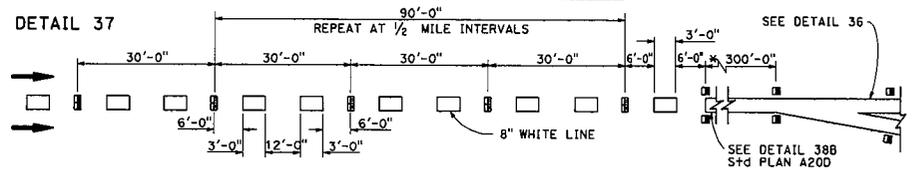
*Robert L. McLaughlin*  
REGISTERED PROFESSIONAL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

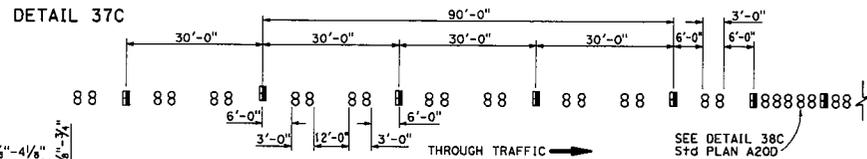
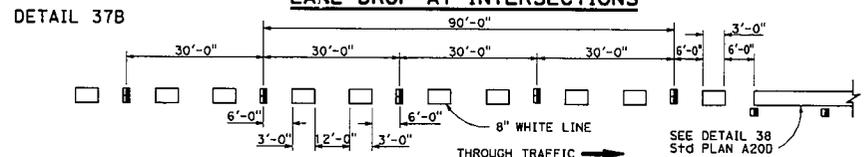
REGISTERED PROFESSIONAL ENGINEER  
**Roberto L. McLaughlin**  
No. C40375  
Exp. 3-31-13  
CIVIL  
STATE OF CALIFORNIA

**LANE DROP AT EXIT RAMP**



\* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

**LANE DROP AT INTERSECTIONS**



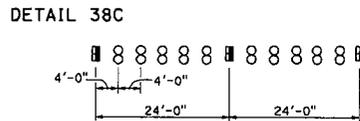
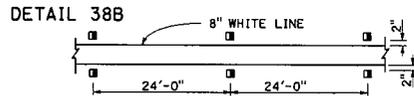
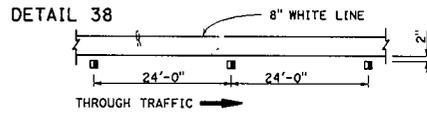
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKERS  
AND TRAFFIC LINE  
TYPICAL DETAILS**

NO SCALE

**A20C**

2010 STANDARD PLAN A20C

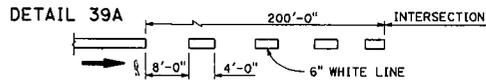
**CHANNELIZING LINE**



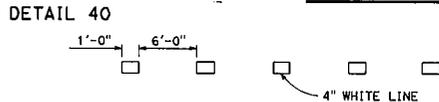
**BIKE LANE LINE**



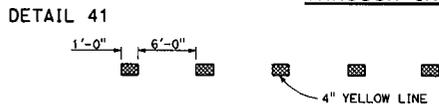
**INTERSECTION LINE BIKE LANE**



**LANE LINE EXTENSIONS THROUGH INTERSECTIONS**



**CENTER LINE EXTENSIONS THROUGH INTERSECTIONS**

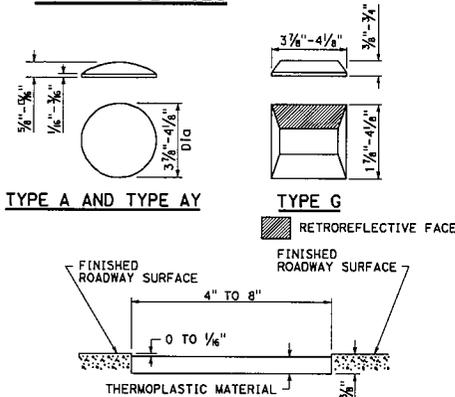


**LEGEND**

**MARKERS**

- TYPE A WHITE NON-REFLECTIVE
- ⊗ TYPE AY YELLOW NON-REFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE
- ▨ 4" YELLOW LINE
- ← DIRECTION OF TRAVEL

**MARKER DETAILS**



**DETAIL FOR RECESSED THERMOPLASTIC TRAFFIC STRIPE**

See Notes A and B.

**RECESSED THERMOPLASTIC NOTES**

- A. See typical traffic line details for pavement marking patterns.
- B. The top of the thermo-plastic installed in recessed pavement shall be 0 to 1/8" below the pavement surface.

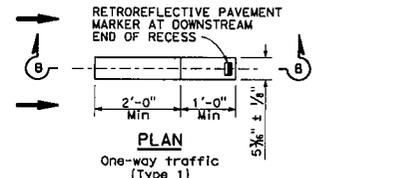
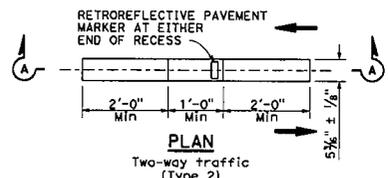
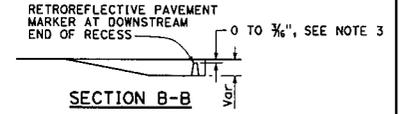
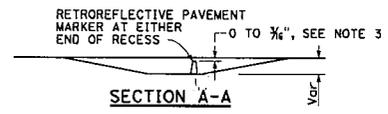
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

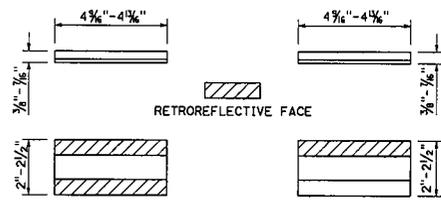
NOBerto L. MELGONIAN  
C40375  
3-31-13  
CIVIL

MAY 20, 2011  
PLANS APPROVAL DATE

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**RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER**



**RECESSED MARKER NOTES:**

1. See typical traffic line details for marker patterns to be used with recessed pavement markers. Detail 14A requires a Type 2 recess.
2. The retroreflective pavement markers shown for recessed installations are not to be used for non-recessed installations.
3. The top of pavement markers installed in recesses shall be 0 to 3/8" below the pavement surface.

TYPE C AND TYPE D TYPE G AND TYPE H  
See Notes 1 and 2.

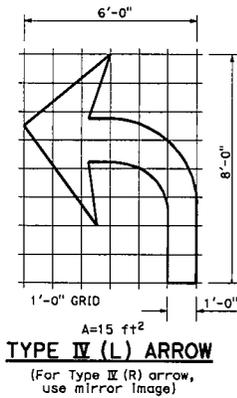
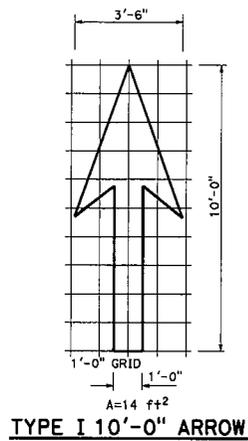
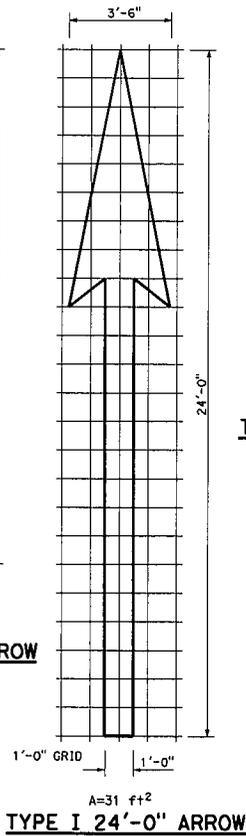
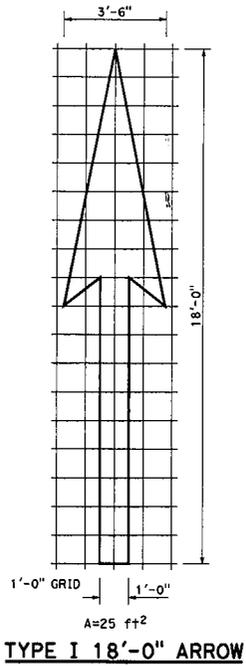
**RETROREFLECTIVE PAVEMENT MARKER FOR RECESSED INSTALLATION**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS**

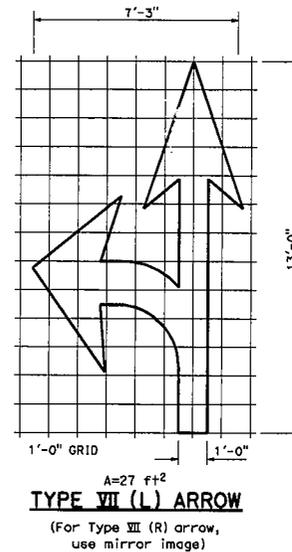
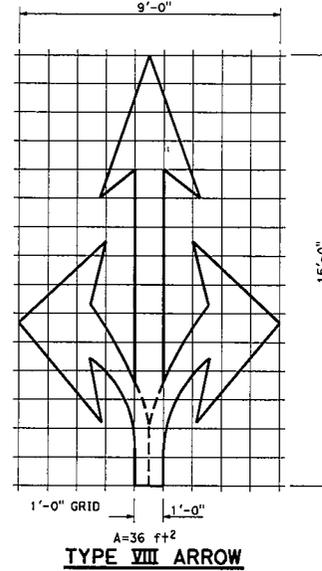
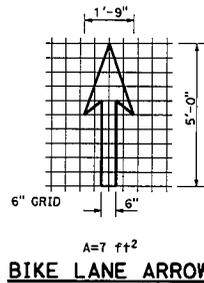
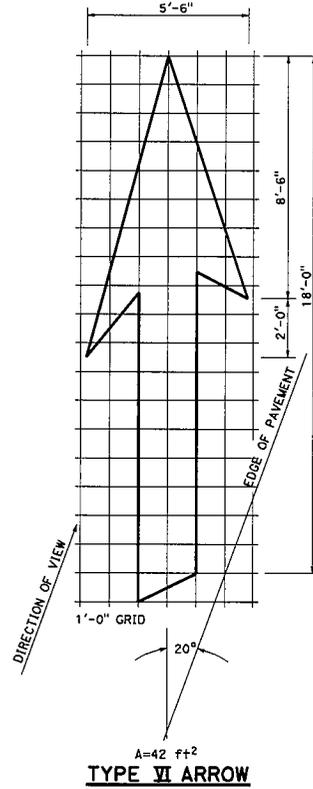
NO SCALE

**A20D**

2010 STANDARD PLAN A20D



**NOTE:**  
Minor variations in dimensions may be accepted by the Engineer.



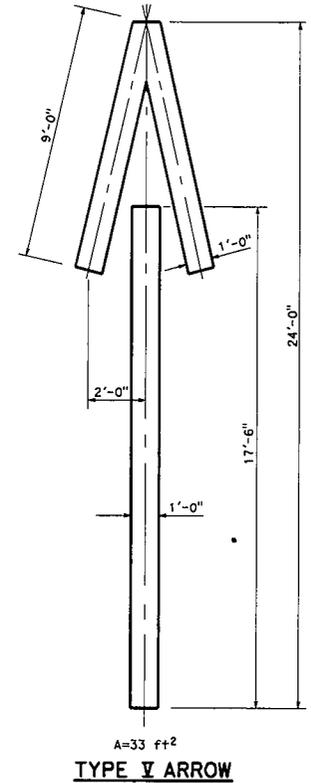
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Robert L. McLaughlin*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

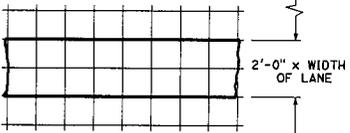
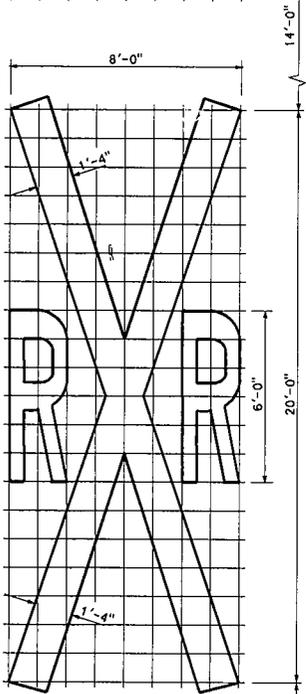
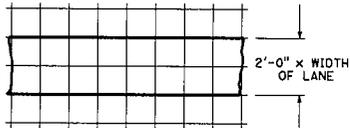
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REGISTERED PROFESSIONAL ENGINEER  
Roberto L. McLaughlin  
C40375  
3-31-13  
CIVIL  
STATE OF CALIFORNIA



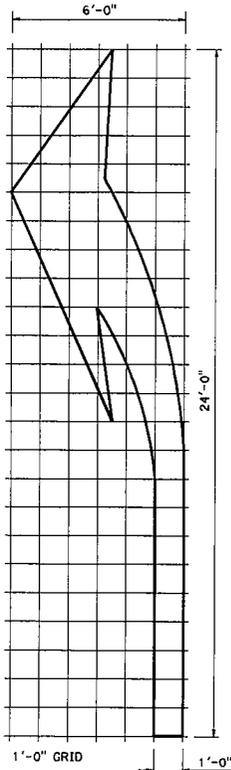
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
ARROWS**  
NO SCALE

**A24A**

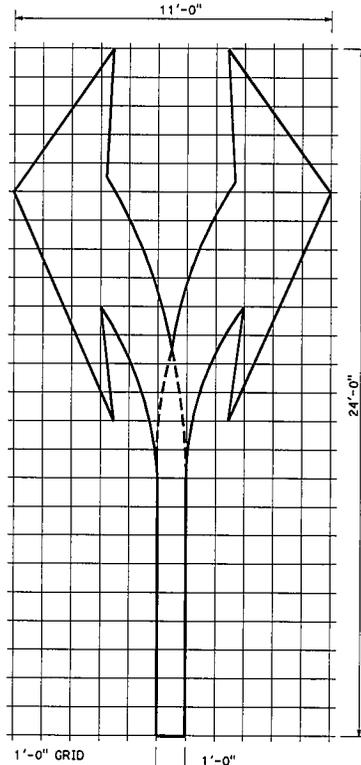


**RAILROAD CROSSING SYMBOL**

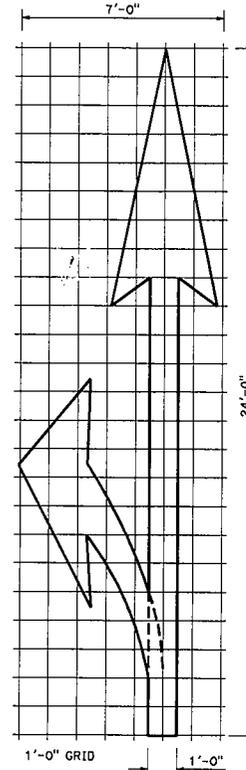
A=70 ft<sup>2</sup> \* 70 ft<sup>2</sup> does not include the 2'-0" x variable width transverse lines.



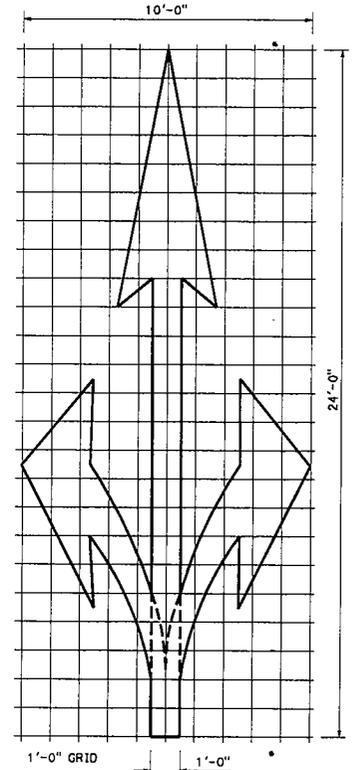
A=42 ft<sup>2</sup>  
**TYPE III (L) ARROW**  
 (For Type III (R) use mirror image)



A=73 ft<sup>2</sup>  
**TYPE III (B) ARROW**



A=45 ft<sup>2</sup>  
**TYPE II (L) ARROW**  
 (For Type II (R) use mirror image)



A=59 ft<sup>2</sup>  
**TYPE II (B) ARROW**

**NOTE:**  
 Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
 ARROWS AND SYMBOLS**

NO SCALE

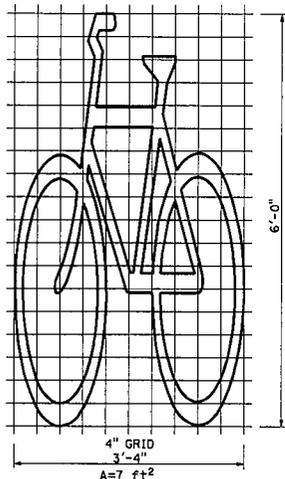
**A24B**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

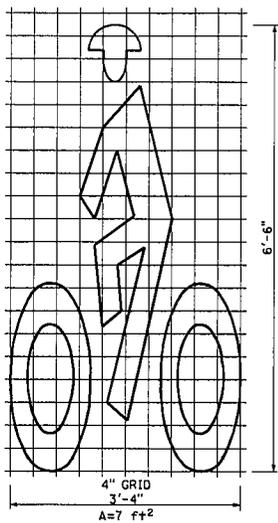
*Robert L. Meloy III*  
 REGISTERED CIVIL ENGINEER

May 20, 2011  
 PLANS APPROVAL DATE

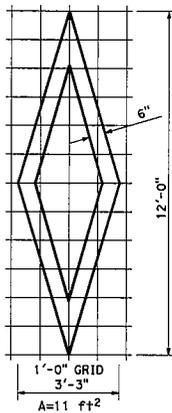
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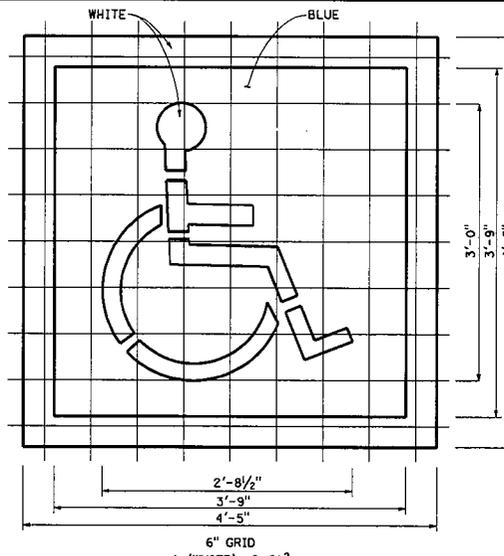
**BIKE LANE SYMBOL  
WITHOUT PERSON**



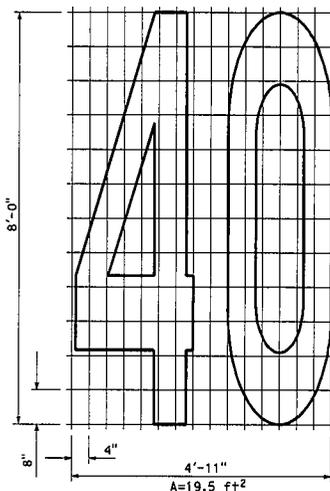
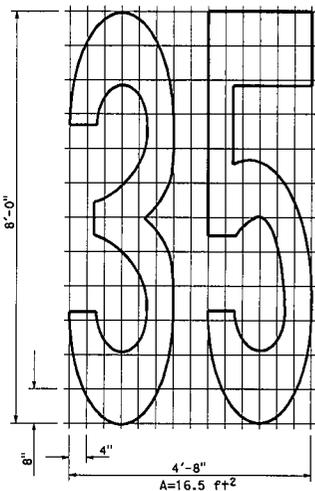
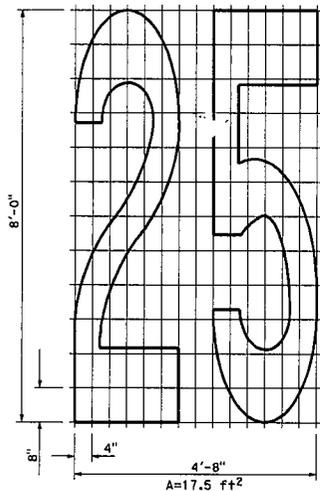
**BIKE LANE SYMBOL  
WITH PERSON**



**DIAMOND SYMBOL**



**INTERNATIONAL SYMBOL  
OF ACCESSIBILITY (ISA) MARKING**



**NUMERALS**

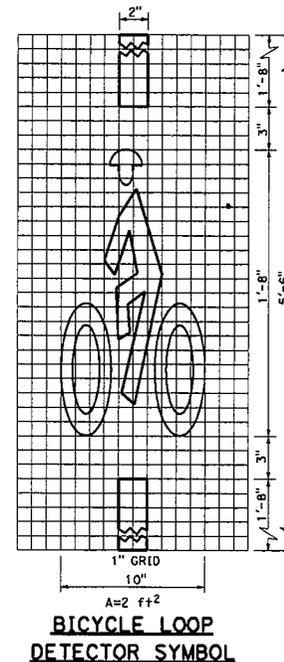
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Robert L. McLaughlin*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL SOCIETY  
*Robert L. McLaughlin*  
C40375  
No. 3-31-13  
CIVIL  
STATE OF CALIFORNIA



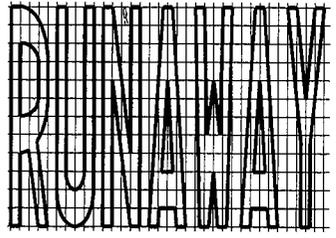
**BICYCLE LOOP  
DETECTOR SYMBOL**

**NOTE:**  
Minor variations in dimensions may be accepted by the Engineer.

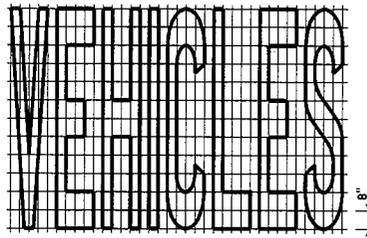
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
SYMBOLS AND NUMERALS**

NO SCALE

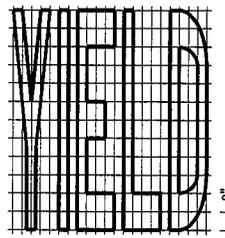
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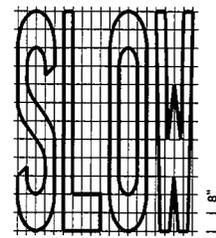
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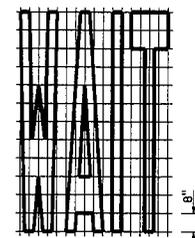
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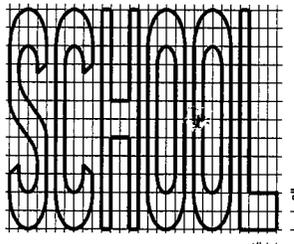
A=24 ft<sup>2</sup>



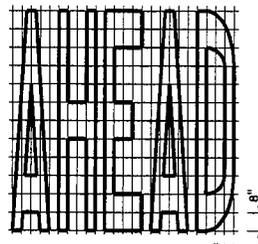
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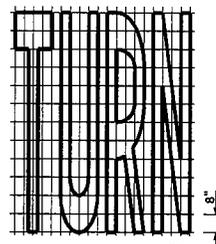
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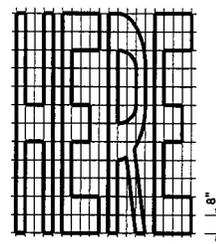
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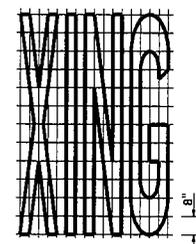
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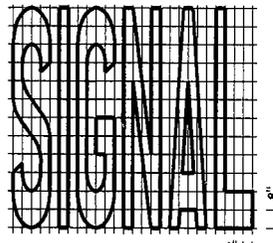
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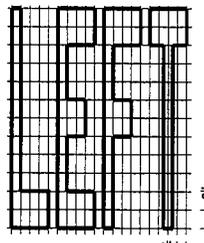
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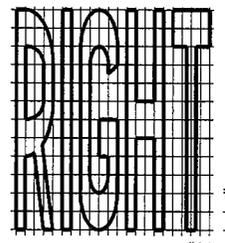
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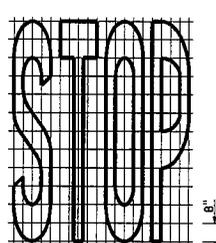
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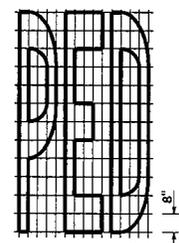
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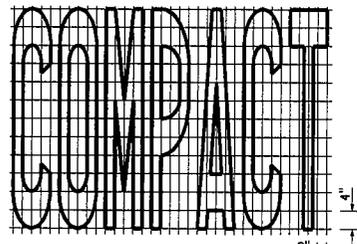
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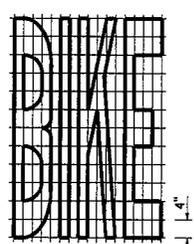
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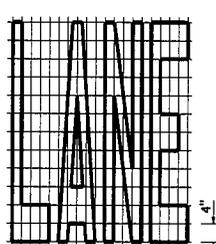
A=18 ft<sup>2</sup>



A=10 ft<sup>2</sup>



A=5 ft<sup>2</sup>



A=6 ft<sup>2</sup>

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Roberto L. McLaughlin*  
REGISTERED CIVIL ENGINEER

May 20, 2011  
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER  
Roberto L. McLaughlin  
No. C40375  
Exp. 3-31-13  
CIVIL  
STATE OF CALIFORNIA

**NOTES:**

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

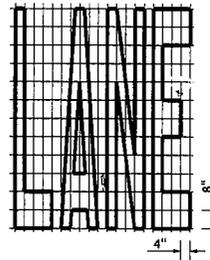
WORD MARKINGS							
ITEM	ft <sup>2</sup>	ITEM	ft <sup>2</sup>	ITEM	ft <sup>2</sup>	ITEM	ft <sup>2</sup>
XING	21	YIELD	24	BIKE	5	PED	18
AHEAD	31	SCHOOL	35	SLOW	23	COMPACT	10
WAIT	19	SIGNAL	32	STOP	22	RUNAWAY	43
LANE	6	TURN	24	LEFT	19	VEHICLES	42
RIGHT	26	HERE	26				

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
WORDS**  
NO SCALE

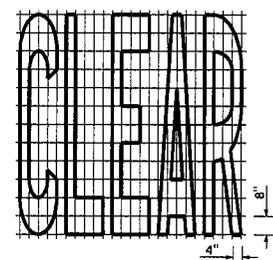
**A24D**

2010 STANDARD PLAN A24D

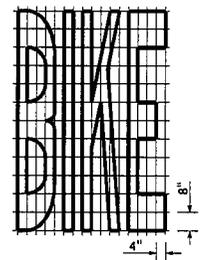
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS
May 20, 2011 PLANS APPROVAL DATE				
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>				



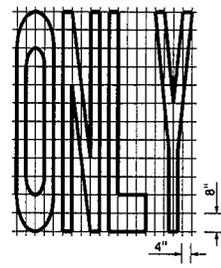
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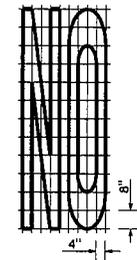
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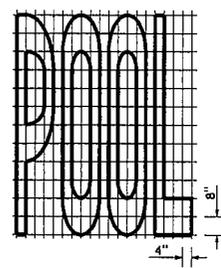
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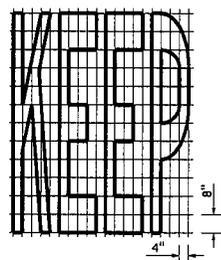
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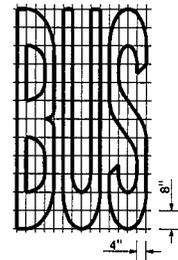
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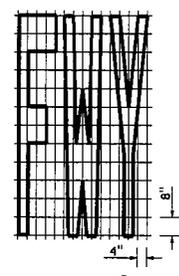
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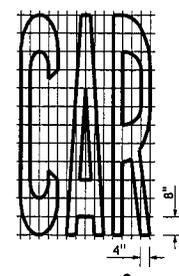
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A=20 ft<sup>2</sup>

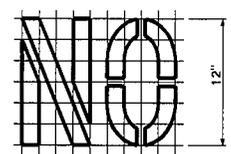


A=16 ft<sup>2</sup>



A=17 ft<sup>2</sup>

WORD MARKINGS			
ITEM	ft <sup>2</sup>	ITEM	ft <sup>2</sup>
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16



A=2 ft<sup>2</sup>  
See Notes 6 and 7



**CROSSWALK AND LIMIT LINE**  
See Note 5



DIRECTION OF TRAVEL  
**YIELD LINE**

**NOTES:**

- If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
- The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
- Minor variations in dimensions may be accepted by the Engineer.
- Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
- Crosswalks contiguous to school grounds are to be 1'-0" yellow lines in place of 1'-0" white shown.
- The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
- The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS  
WORDS AND CROSSWALKS**

NO SCALE

**A24E**

**APPENDIX IV**

**LIST OF RESIDENTIAL STREETS MEASUREMENTS  
AND  
SCHEDULE OF PAVEMENT STRIPING, MARKINGS, AND LEGENDS**

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK ONE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
MIDDLEBROOK AVENUE	GRAMERCY AVE	REYNOSA DR (W)	2	581	32		18592
MIDDLEBROOK AVENUE	REYNOSA DR (W)	CABRILLO AVE	2	1008	32		32256
REYNOSA DRIVE	CABRILLO AVE	MIDDLEBROOK AVE	2	1421	33		46893
230TH STREET	ARLINGTON AVE	CABRILLO	2	1661	30		49830
230TH STREET	CABRILLO	WALNUT ST	2	873	31		27063
<b>TOTAL</b>							<b>174,634</b>
<b>TUESDAY</b>							
<b>Area 4</b>							
GRAMERCY AVENUE	ARLINGTON AVE	MIDDLEBROOK RD	2	187	34		6358
GRAMERCY AVENUE	MIDDLE BROOK RD	SEPULVEDA	2	466	34		15844
KATHY WAY	REYNOSA DR	CABRILLO AVE	2	709	32		22688
230TH PLACE	CUL DE SAC (W)	ANDREO PL	2	339	30		10170
231ST STREET	ARLINGTON AVE	CABRILLO	2	1652	30		49560
235TH PLACE	HAAS ST	CABRILLO AVE	2	1438	30	knuckle 463	43603
ANDREO AVENUE	231ST ST	230TH PL	2	293	30		8790
DANA COURT	231ST ST	CUL DE SAC (N)	2	266	31	knuckle 1840	10086
DANA AVENUE	E O P (S)	231ST ST	2	266	33		8778
HAAS AVENUE	236TH ST	235TH PL	2	264	32		8448
<b>TOTAL</b>							<b>184,325</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
CORDARY LANE	180TH ST	CUL DE SAC (N)	2	159	24		3816
180TH STREET	CORDARY AVE.	DOTY AVE.	2	508	32		16256
180TH STREET	DOTY AVE	FONTHILL AVE.	2	277	32		8864
SANDGATE DRIVE	CUL DE SAC (W)	CUL DE SAC (E)	2	539	30		16170
CORDARY AVENUE	181ST ST	180TH ST	2	314	30		9420
181ST STREET	CORDARY AVE	DOTY AVE	2	663	32		21216
181ST STREET	DOTY AVE	FONTHILL AVE	2	277	32		8864
181ST STREET	FONTHILL AVE	180TH PL	2	1112	32		35584
PATRONELLA AVENUE	182nd St.	CUL DE SAC (N)	2	265	30		7950
ERMANITA AVENUE	182nd St.	EOP	2	125	31		3875
FALDA AVENUE	181ST ST	180TH ST	2	513	32		16416
181ST STREET	FALDA AVE	CRENSHAW BLVD	2	895	32		28640
<b>TOTAL</b>							<b>177,071</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
GALVA AVENUE	GRANT AVE	398FT N/O GRANT AVE	2	398	30	knuckle 2457	14397
ADOLPH AVENUE	231ST ST	LOMITA BLVD	2	582	29		16878
231ST STREET	ADOLPH AVE	CUL DE SAC (E)	2	120	30	knuckle 1912	5512
231ST PLACE	ADOLPH AVE	OCEAN AVE	2	377	30		11310
232ND STREET	CALLE MAYOR	ADOLPH AVE	2	359	30		10770
ADOLPH AVENUE	234TH ST	232ND ST	2	582	30		17460

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK ONE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
231ST PLACE	LOS CODONA AVE	AUDREY AVE	2	299	30		8970
LOS CODONA AVENUE	234TH ST	231ST PL	2	694	30		20820
235TH STREET	ADOLPH AVE	OCEAN AVE	2	456	30		13680
236TH STREET	LADEENE AVE	ADOLPH AVE	2	270	36		9720
ADOLPH AVENUE	236TH ST	235TH ST	2	582	30		17460
239TH STREET	ANZA AVE	LADEENE AVE	2	367	30		11010
LADEENE AVENUE	PACIFIC COAST HWY	239TH ST	2	570	30		17100
<b>TOTAL</b>							<b>175,086</b>
<b>FRIDAY</b>							
<b>Area 2</b>							
MONTEREY STREET	MADRONA AVE (CDS)	MAPLE AVE	2	1492	36		53712
MONTEREY STREET	MAPLE AVE	FLOWER AVE	2	561	36		20196
MONTEREY STREET	FLOWER AVE	JUNIPER AVE	2	360	36		12960
MONTEREY STREET	JUNIPER AVE	IRIS AVE	2	342	36		12312
MONTEREY STREET	IRIS AVE	HICKORY AVE	2	360	35		12600
MONTEREY STREET	HICKORY AVE	GREENWOOD AVE	2	360	35		12600
MONTEREY STREET	GREENWOOD AVE	FERN AVE	2	360	36		12960
MONTEREY STREET	FERN AVE	ELM AVE	2	360	32		11520
MONTEREY STREET	ELM AVE	DATE AVE	2	360	31		11160
MONTEREY STREET	DATE AVE	CRENSHAW BLVD	2	390	38		14820
<b>TOTAL</b>							<b>174,840</b>
<b>WEEK ONE TOTAL</b>							<b>885,956</b>

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK TWO

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
REYNOSA DRIVE	MIDDLEBROOK AVE (W)	KATHY WY	2	293	33		9669
REYNOSA DRIVE	KATHY WY	CABRILLO AVE	2	740	33		24420
MIDDLEBROOK AVENUE	CABRILLO AVE	REYNOSA DR (E)	2	959	32		30688
MIDDLEBROOK AVENUE	REYNOSA DR (E)	WALNUT ST	2	306	32		9792
232ND STREET	CABRILLO AVE	WALNUT ST	2	840	30		25200
HAAS AVENUE	235TH ST	234TH ST	2	227	30		6810
234TH STREET	HAAS AVE.	CABRILLO AVE	2	1289	30		38670
234TH STREET	CABRILLO AVE	WALNUT ST	2	839	30		25170
234TH STREET	FALENA AVE	HUBER AVE	2	264	32		8448
234TH STREET	HUBER AVE	WESTERN AVE	2	330	32		10560
<b>TOTAL</b>							<b>189,427</b>
<b>TUESDAY</b>							
<b>Area 3</b>							
PLUM AVENUE	SANTA CRUZ CT	SANTA FE AVE	2	256	36		9216
Plum Avenue	Sepulveda Blvd	end	2	130	36		4680
VINE AVENUE	SANTA CRUZ CT	E O P (N)	2	340.5	36		12258
CYPRESS STREET	SEPULVEDA WAY	SANTA FE AVE	2	256	30		7680
SANTA FE AVENUE	CUL DE SAC (W)	VINE AVE	2	1091	36	knuckle 163	39439
SANTA FE AVENUE	VINE AVE	CYPRESS ST	2	598	36		21528
SEPULVEDA WAY	CUL DE SAC (W)	CUL DE SAC (E)	2	468	24		11232
APPLE AVENUE	LINCOLN AVE	E O P	2	507	32		16224
LINCOLN AVENUE	TORRENCE ELEM SCHOOL	APPLE AVE	2	190	30		5700
LINCOLN AVENUE	APPLE AVE	ARLINGTON AVE	2	370	36		13320
LINCOLN AVENUE	E O P	ANDREO AVE	2	718	28		20104
LINCOLN AVENUE	ANDREO AVE	CABRILLO AVE	2	368	31		11408
<b>TOTAL</b>							<b>172,789</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
176TH COURT	CUL DE SAC (N)	AINSWORTH AVE	2	685	31		21235
176TH STREET	SAN DIEGO FRWY	AINSWORTH AVE	2	207	32		6624
AINSWORTH AVENUE	177TH ST	176TH ST	2	469	32		15008
AINSWORTH AVENUE	176TH ST	ARTESIA BLVD	2	552	32		17664
175TH STREET	AINSWORTH AVE	KORNBLUM AVE	2	528	31		16368
178TH STREET	PRAIRIE AVE	CORDORY AVE	2	637	30		19110
CORDARY AVENUE	178TH ST	177TH ST	2	419	30		12570
FLORWOOD AVENUE	180TH PL	CORDARY AVE	2	671	32		21472
FONTHILL AVENUE	181ST ST	SANDYGATE DR	2	614	30		18420
180TH PLACE	FONTHILL AVE	181ST ST	2	1312	32		41984
<b>TOTAL</b>							<b>190,455</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
230TH PLACE	ANZA AVE	KENT AVE	2	740	30		22200

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK TWO

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT		TOTAL AREA (SF)
KENT AVENUE	231ST ST	230TH PL	2	332	30			9960
KENT AVENUE	230TH PL	LOMITA BLVD	2	190	30			5700
LADEENE AVENUE	CALLE MAYOR GRANT W	CALLE MAYOR GRANT E	2	1148	30			34440
234TH PLACE	LADEENE AVE	OCEAN AVE	2	725	30			21750
238TH STREET	ANZA AVE	EOP	2	302	36			10872
238TH STREET	EOP	OCEAN AVE	2	142	36			5112
AUDREY AVENUE	CUL DE SAC	238TH ST	2	370	30	knuckle	783	11883
238TH STREET	OCEAN AVE	LOS CODONA AVE	2	509	33			16797
238TH STREET	LOS CODONA AVE	HAWTHORNE BLVD	2	489	38			18582
LADEENE AVENUE	238TH ST	236TH ST	2	656	36			23616
<b>TOTAL</b>								<b>180,912</b>
<b>FRIDAY</b>								
<b>Area 2</b>								
MERRILL DRIVE	CARSON ST (W)	CARSON ST (E)	2	641.5	36			23094
FLOWER AVENUE	MONTEREY ST	CARSON ST	2	672	36			24192
IRIS AVENUE	MONTEREY ST	CARSON ST	2	671	36			24156
GREENWOOD AVENUE	MONTEREY ST	CARSON ST	2	671	36			24156
ELM AVENUE	MONTEREY ST	CARSON ST	2	671	33			22143
<b>TOTAL</b>								<b>117,741</b>
<b>Area 6</b>								
BENNER AVENUE	229TH ST	226TH ST	2	939	30			28170
229TH STREET	FONTHILL AVE	230TH ST	2	684	36			24624
BENNER AVENUE	234TH ST	232ND ST	2	349	30			10470
<b>TOTAL</b>								<b>63,264</b>
<b>WEEK TWO TOTAL</b>								<b>914,589</b>

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK THREE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
233RD STREET	ARLINGTON AVE	CABRILLO AVE	2	1651	30		49530
233RD STREET	CABRILLO AVE	WALNUT ST	2	840	30		25200
236TH STREET	ARLINGTON AVE	CABRILLO AVE	2	1650	31		51150
236TH STREET	CABRILLO AVE	WALNUT ST	2	839	30		25170
236TH STREET	FALENA AVE	CITY LIMIT	2	506	32		16192
FALENA AVENUE	236TH ST	SCHILLING CT	2	264	32		8448
<b>TOTAL</b>							<b>175,690</b>
<b>TUESDAY</b>							
<b>Area 3</b>							
SANTA CRUZ COURT	CUL DE SAC (W)	VINE AVE	2	942	34	knuckle 98	32126
VINE AVENUE	SEPULVEDA BLVD	SANTA CRUZ CT	2	340.5	36		12258
SANTA FE AVENUE	CYPRESS ST	ORANGE AVE	2	637	36		22932
ORANGE AVENUE	SEPULVEDA BLVD	SANTA FE AVE	2	661	36		23796
SANTA CRUZ COURT	ORANGE AVE	E O P (E)	2	360	24		8640
BORDER AVENUE	SEPULVEDA BLVD	SANTA FE AVE	2	579	33		19107
BORDER AVENUE	SANTA FE AVE	MARINETTE ST	2	333	33		10989
BORDER AVENUE	MARINETTE ST	SAN ARDO ST	2	293	33		9669
BORDER AVENUE	SAN ARDO ST	DEL AMO PLAZA	2	548	32		17536
SAN ARDO STREET	BORDER AVE	E O P (E)	2	656	30		19680
<b>TOTAL</b>							<b>176,733</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
177TH STREET	KORNBLUM AVE	CRANBROOK AVE	2	267	32		8544
177TH STREET	CRANBROOK AVE	YUKON AVE	2	540	32		17280
CRANBROOK AVENUE	CUL DE SAC (N)	177TH ST	2	457	32		14624
175TH STREET	YUKON ST	CERISE AVE	2	581.5	33		19190
PATRONELLA AVENUE	CUL DE SAC (S)	175TH ST	2	230	34	knuckle 356	8176
CERISE AVENUE	CUL DE SAC (S)	175TH ST	2	230	33	knuckle 408	7998
175TH STREET	ELGAR AVE	DELIA AVE	2	280	32		8960
ELGAR AVENUE	E O P (S)	ARTESIA BLVD	2	656	32		20992
DELIA AVENUE	CUL DE SAC (S)	ARTESIA	2	464	32	knuckle 460	15308
180TH STREET	GLENBURN AVE	CRENSHAW BLVD	2	1196	32		38272
181ST STREET	ERMANITA AVE	GLENBURN AVE	2	528	28		14784
FAYSMITH AVENUE	181ST ST	180TH ST	2	532	32		17024
<b>TOTAL</b>							<b>191,151</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
230TH STREET	ANZA AVE	CUL DE SAC	2	582	32	knuckle 1169	19793
231ST STREET	CUL DE SAC (W)	KENT AVE	2	348	30	knuckle 2256	12696
KENT AVENUE	CALLE MAYOR GRANT	231ST ST	2	373	29		10817
234TH STREET	ANZA AVE	LADEENE AVE	2	309	36		11124
234TH STREET	LADEENE AVE	CALLE MAYOR	2	180	36		6480

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK THREE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT		TOTAL AREA (SF)
234TH STREET	CALLE MAYOR	ADOLPH AVE	2	272	36			9792
234TH STREET	ADOLPH AVE	OCEAN AVE	2	278	36			10008
236TH STREET	ANZA AVE	LADEENE AVE	2	301	36			10836
LADEENE AVENUE	236TH ST	234TH ST	2	1139	30			34170
CARLOW ROAD	238TH ST	234TH PL	2	703	36			25308
234TH PLACE	CARLOW RD	LEYTE DR	2	265	36			9540
234TH PLACE	LEYTE DR	KATHRYN AVE	2	267	36			9612
234TH PLACE	KATHRYN AVE	EVALYN AVE	2	275	36			9900
<b>TOTAL</b>								<b>180,076</b>
<b>FRIDAY</b>								
<b>Area 2</b>								
MERRILL DRIVE	CARSON ST (W)	CARSON ST (E)	2	641.5	36			23094
JUNIPER AVENUE	MONTEREY ST	CARSON ST	2	671	36			24156
HICKORY AVENUE	MONTEREY ST	CARSON ST	2	671	36			24156
FERN AVENUE	MONTEREY ST	CARSON ST	2	671	32			21472
DATE AVENUE	MONTEREY ST	CARSON ST	2	671	36			24156
<b>TOTAL</b>								<b>117,034</b>
<b>Area 6</b>								
234TH STREET	CUL DE SAC (W)	JUNIPER AVE	2	1046	30	knuckle	2256	33636
226TH STREET	MAPLE AVE	FONTHILL AVE	2	657	36			23652
FELBAR AVENUE	CUL DE SAC (S)	226TH AVE	2	280	30	knuckle	2821	11221
<b>TOTAL</b>								<b>68,509</b>
<b>WEEK THREE TOTAL</b>								<b>909,193</b>

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK FOUR

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 6</b>							
226TH STREET	FONTHILL AVE	JUNIPER AVE	2	538	36		19368
FONTHILL AVENUE	232ND ST	230TH ST	2	377	36		13572
FONTHILL AVENUE	230TH ST	229TH ST	2	474	36		17064
FONTHILL AVENUE	229TH ST	226TH ST	2	744	36		26784
227TH STREET	CUL DE SAC (W)	FONTHILL AVE	2	319	30	knuckle 3229	12799
232ND STREET	FONTHILL AVE	JUNIPER AVE	2	552	36		19872
BENNER COURT	232ND ST	CUL DE SAC (N)	2	236	30	knuckle 3022	10102
224TH STREET	CUL DE SAC (W)	MADISON ST	2	660	32	knuckle 1933	23053
WARD STREET	224TH ST	SEPULVEDA BLVD	2	339	31		10509
226TH STREET	HAWTHORNE BLVD	MADISON ST	2	997	31		30907
<b>TOTAL</b>							<b>184,029</b>
<b>TUESDAY</b>							
<b>Area 4</b>							
HUBER AVENUE	234TH ST	FALENA AVE	2	1086	32		34752
HUBER AVENUE	FALENA AVE	WALNUT ST	2	379	32		12128
WESTERN AVENUE FRONT (W)	234TH ST	WESTERN AVE (N)	2	681	25		17025
235TH PLACE	CABRILLO AVE	WALNUT ST	2	448	30		13440
SCHILLING COURT	CUL DE SAC (E)	WALNUT ST	2	773	32	knuckle 113	24849
237TH PLACE	CABRILLO AVE	WALNUT ST	2	1017	30		30510
238TH STREET	WALNUT ST	CITY LIMIT	2	1119	31		34689
FALENA AVENUE	238TH ST	E O P (N)	2	97	31		3007
WALNUT STREET	CITY LIMIT	238TH ST	2	226	37		8362
<b>TOTAL</b>							<b>178,762</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
177TH STREET	AINSWORTH AVE	FONTHILL AVE	2	265	32		8480
177TH STREET	FONTHILL AVE	KORNBLUM AVE	2	264	32		8448
KORNBLUM AVENUE	177TH ST	176TH ST	2	469	32		15008
KORNBLUM AVENUE	176TH ST	175TH ST	2	263	32		8416
KORNBLUM AVENUE	175TH ST	ARTESIA BLVD	2	289	32		9248
ERMANITA AVENUE	181ST ST	180TH ST	2	483	32		15456
180TH STREET	ERMANITA AVE	GLENBURN AVE	2	530	32		16960
GLENBURN AVENUE	181ST PL	180TH ST	2	497	30		14910
GLENBURN AVENUE	180TH ST	179TH ST	2	220	30		6600
GLENBURN AVENUE	179TH ST	178TH ST	2	255	30		7650
178TH STREET	GLENBURN AVE	CRENSHAW BLVD	2	1187	34		40358
ELGAR AVENUE	180TH PL	180TH ST	2	269	32		8608
180TH PLACE	ELGAR AVE	CRENSHAW BLVD	2	679	32		21728
<b>TOTAL</b>							<b>181,870</b>

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WEEK FOUR

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>THURSDAY</b>							
<b>Area 5</b>							
MARION AVENUE	CUL DE SAC (E)	CALLE MAYOR	2	577	32		18464
LOUISE AVENUE	CUL DE SAC (E)	CALLE MAYOR	2	441	32		14112
THEO AVENUE	MAYOR CALLE	MAYOR DR	2	246	32		7872
MAYOR DRIVE (E)	JUAN AVE	MAYOR CALLE	2	382	27		10314
JUAN AVENUE	CALLE MAYOR MID SCHL	MAYOR CALLE	2	130	32		4160
MAYOR DRIVE (W)	THEO AVE	MAYOR CALLE	2	453	32		14496
232ND STREET	CARLOW RD	EVALYN AVE	2	237	36		8532
234TH STREET	CARLOW RD	EVALYN AVE	2	762	30		22860
234TH STREET	EVALYN AVE	ANZA AVE	2	301	36		10836
EVALYN AVENUE	234TH ST	233RD ST	2	486	36		17496
EVALYN AVENUE	233RD ST	232ND ST	2	390	36		14040
KATHRYN AVENUE	238TH ST	234TH PL	2	962	30		28860
<b>TOTAL</b>							<b>172,042</b>
<b>FRIDAY</b>							
<b>Area 3</b>							
APPLE AVENUE	SANTA FE AVE	LINCOLN AVE	2	541	36		19476
SANTA FE AVENUE	ORANGE AVE	ARLINGTON AVE	2	729	36		26244
GRAMERCY AVENUE	CUL DE SAC (S)	DEL AMO PLAZA	2	448	34		15232
ANDREO AVENUE	SEPULVEDA BLVD	SANTA FE AVE	2	573	36		20628
ANDREO AVENUE	LINCOLN AVE	DEL AMO PLAZA	2	655	34		22270
SANTA FE AVENUE	ARLINGTON AVE	GRAMERCY AVE	2	363	37		13431
SANTA FE AVENUE	GRAMERCY AVE	ANDREO AVE	2	355	37		13135
SANTA FE AVENUE	ANDREO AVE	CABRILLO AVE	2	368	36		13248
SANTA FE AVENUE	BORDER AVE	MARTHA AVE	2	1250	32		40000
<b>TOTAL</b>							<b>183,664</b>
<b>WEEK FOUR TOTAL</b>							<b>900,367</b>

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK FIVE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
FALENA AVENUE	235TH ST	234TH ST	2	264	32		8448
FALENA AVENUE	234TH ST	HUBER AVE	2	1037	32		33184
237TH STREET	CABRILLO AVE	WALNUT ST	2	839	30		25170
235TH STREET	WALNUT ST	WESTERN AVE	2	863	32		27616
236TH PLACE	ARLINGTON AVE	CABRILLO AVE	2	1597	30		47910
238TH STREET	ARLINGTON AVE	CABRILLO AVE	2	1649	30		49470
<b>TOTAL</b>							<b>191,798</b>
<b>TUESDAY</b>							
<b>Area 6</b>							
JUNIPER AVENUE	235TH ST	232ND ST	2	684	36		24624
JUNIPER AVENUE	232ND ST	230TH ST	2	545	36		19620
JUNIPER AVENUE	230TH ST	226TH ST	2	1206	36		43416
230TH STREET	FONTHILL AVE	JUNIPER AVE	2	598	36		21528
FELBAR AVENUE	MAPLE AVE	229TH ST	2	758	36		27288
229TH STREET	FELBAR AVE	FONTHILL AVE	2	325	36		11700
225TH STREET	HAWTHORNE BLVD	MADISON ST	2	997	31		30907
<b>TOTAL</b>							<b>179,083</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
176TH STREET	PRAIRIE AVE	SAN DIEGO FRWY	2	829	32		26528
177TH STREET	PRAIRIE AVE	DOTY AVE	2	967	30		29010
180TH PLACE	CORDARY AVE	DOTY AVE	2	663	32		21216
DOTY AVENUE	182ND ST	181ST ST	2	284	32		9088
DOTY AVENUE	181ST ST	180TH PL	2	251	32		8032
DOTY AVENUE	180TH PL	180TH ST	2	253	32		8096
DOTY AVENUE	180TH ST	177TH ST	2	843	32		26976
176TH STREET	AINSWORTH AVE	KORNBLUM AVE	2	528	32		16896
KORNBLUM AVENUE	177TH ST	176TH ST	2	469	32		15008
KORNBLUM AVENUE	176TH ST	175TH ST	2	263	32		8416
KORNBLUM AVENUE	175TH ST	ARTESIA BLVD	2	289	32		9248
<b>TOTAL</b>							<b>178,514</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
CARLOW ROAD	234TH ST	CALLE MAYOR	2	993	33		32769
233RD STREET	CARLOW RD	EVALYN AVE	2	477	30		14310
CALLE MAYOR	ANZA AVE	KENT AVE	2	708	36		25488
GRANT AVENUE	KENT AVE	234TH ST	2	1045	36		37620
238TH STREET	CARLOW RD	LEYTE DR	2	293	36		10548
238TH STREET	LEYTE DR	KATHRYN AVE	2	259	36		9324
238TH STREET	KATHRYN AVE	EVALYN AVE	2	301	36		10836
238TH STREET	EVALYN AVE	ANZA AVE	2	354	36		12744

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WEEK FIVE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT		TOTAL AREA (SF)
LEYTE DRIVE	238TH ST	234TH PL	2	827	30			24810
<b>TOTAL</b>								<b>178,449</b>
<b>FRIDAY</b>								
<b>Area 4</b>								
WALNUT STREET	238TH ST	237TH ST	2	528	34			17952
WALNUT STREET	237TH ST	236TH ST	2	529	34			17986
WALNUT STREET	236TH ST	235TH PL	2	264	30			7920
WALNUT STREET	235TH PL	235TH ST	2	263	32			8416
WALNUT STREET	235TH ST	234TH ST	2	265	33			8745
WALNUT STREET	234TH ST	233RD ST	2	263	33			8679
WALNUT STREET	233RD ST	232ND ST	2	264	31			8184
WALNUT STREET	232ND ST	230TH ST	2	342	32			10944
WALNUT STREET	230TH ST	HUBER AVE	2	270	31			8370
WALNUT STREET	HUBER AVE	SEPULVEDA BLVD	2	681	34			23154
231ST STREET	CUL DE SAC (W)	WALNUT ST	2	322	30	knuckle	2081	11741
236TH STREET	WALNUT ST	E CUL-DE-SAC	2	168	28	knuckle	2787	7491
238TH STREET	CABRILLO AVE	WALNUT ST	2	839	30			25170
STANHURST AVENUE	CITY LIMIT	238TH ST	2	264	30			7920
LA MOUR COURT	CUL DE SAC (S)	238TH ST	2	194	30	knuckle	2821	8641
<b>TOTAL</b>								<b>181,312</b>
<b>WEEK FIVE TOTAL</b>								<b>909,156</b>

\*NOTE: Measurements are approximations only.

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK SIX

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
CABRILLO AVENUE	CITY LIMIT	238TH ST	2	264	49		12936
CABRILLO AVENUE	238TH ST	237TH PL	2	264	49		12936
CABRILLO AVENUE	237TH PL	237TH ST	2	264	49		12936
CABRILLO AVENUE	237TH ST	236TH PL	2	265	49		12985
CABRILLO AVENUE	236TH PL	236TH ST	2	264	57		15048
CABRILLO AVENUE	236TH ST	235TH PL	2	264	56		14784
CABRILLO AVENUE	235TH PL	235TH ST	2	264	56		14784
CABRILLO AVENUE	235TH ST	234TH ST	2	264	56		14784
CABRILLO AVENUE	234TH ST	233RD ST	2	263	58		15254
237TH STREET	ARLINGTON AVE	CABRILLO AVE	2	1650	30		49500
<b>TOTAL</b>							<b>175,947</b>
<b>TUESDAY</b>							
<b>Area 3</b>							
MARINETTE STREET	BORDER AVE	MARTHA AVE	2	1172	32		37504
LINCOLN AVENUE	CABRILLO AVE	BORDER AVE	2	370	28		10360
LINCOLN AVENUE	MARTHA AVE	CITY LIMIT (WESTERN)	2	379	33		12507
MARTHA AVENUE	228TH	SANTA FE AVE	2	409	32		13088
MARTHA AVENUE	SANTA FE AVE	LINCOLN AVE	2	350	32		11200
CALAMAR STREET	SANTA FE AVE	MARTHA AVE	2	1124	32		35968
KNODE STREET	SEPULVEDA BLVD	228TH	2	416	32		13312
Alberta STREET	Sepulveda Blvd.	228th St.	2	648	32		20736
GRAMERCY AVENUE	SEPULVEDA BLVD	SANTA FE AVE	2	590	36		21240
<b>TOTAL</b>							<b>175,915</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
175TH STREET	CERISE AVE	FAYSMITH AVE	2	581.5	33		19190
ERMANITA AVENUE	CUL DE SAC (S)	175TH ST	2	230	33	knuckle 408	7998
FAYSMITH AVENUE	CUL DE SAC (S)	ARTESIA BLVD	2	550	34	knuckle 356	19056
175TH STREET	GLENBURN AVE	ELGAR AVE	2	560	32		17920
GLENBURN AVENUE	E O P (S)	ARTESIA BLVD	2	656	30		19680
FALDA AVENUE	CUL DE SAC (S)	ARTESIA	2	464	32	knuckle 460	15308
FALDA AVENUE	178TH ST	177TH ST	2	254	32		8128
177TH STREET	FALDA AVE	CRENSHAW BLVD	2	937	32		29984
179TH STREET	GLENBURN AVE	CRENSHAW BLVD	2	1187	32		37984
<b>TOTAL</b>							<b>175,247</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
OCEAN AVENUE	PACIFIC COAST HWY	238TH ST	2	991	36		35676
OCEAN AVENUE	238TH ST	235TH ST	2	1334	36		48024
OCEAN AVENUE	235TH ST	234TH PL	2	266	36		9576
OCEAN AVENUE	234TH PL	234TH ST	2	302	36		10872
OCEAN AVENUE	234TH ST	LOMITA BLVD	2	1186	36		42696

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WEEK SIX

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT		TOTAL AREA (SF)
234TH STREET	OCEAN AVE	AUDREY AVE	2	278	30			8340
234TH STREET	AUDREY AVE	LOS CODONA AVE	2	272	30			8160
<b>TOTAL</b>								<b>163,344</b>
<b>FRIDAY</b>								
<b>Area 4</b>								
CABRILLO AVENUE	233RD ST	232ND ST	2	264	58			15312
CABRILLO AVENUE	232ND ST	231ST ST (E)	2	209	58			12122
CABRILLO AVENUE	231ST ST (E)	230TH ST (E)	2	286	52			14872
CABRILLO AVENUE	230TH ST (E)	MIDDLEBROOK AVE	2	547	52			28444
CABRILLO AVENUE	MIDDLEBROOK AVE	SEPULVEDA BLVD	2	670	52			34840
231ST STREET	CABRILLO	CUL DE SAC (E)	2	283	30	knuckle	2081	10571
232ND STREET	CUL DE SAC (W)	CABRILLO AVE	2	300	30	knuckle	1592	10592
235TH STREET	CABRILLO AVE	WALNUT ST	2	839	32			26848
227TH STREET	PENNSYLVANIA AVE	CYPRESS ST	2	825	30			24750
<b>TOTAL</b>								<b>178,351</b>
<b>WEEK SIX TOTAL</b>								<b>868,803</b>

\*NOTE: Measurements are approximations only.

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK SEVEN

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
239TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1651	29		47879
VINE AVENUE	239TH ST	CUL DE SAC (N)	2	158	30	knuckle 670	5410
238TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	763	30		22890
238TH STREET	E O P (W)	ALLIENE AVE	2	1147	32		36704
237TH STREET	CRENSHAW BLVD	PENNSYLVANIA BLVD	2	789	32		25248
VINE AVENUE	238TH ST	237TH ST	2	404	32		12928
CYPRESS STREET	238TH ST	237TH ST	2	402	32		12864
ALLIENE AVENUE	238TH ST	237TH ST	2	402	32		12864
<b>TOTAL</b>							<b>176,787</b>
<b>TUESDAY</b>							
<b>Area 6</b>							
224TH STREET	MADISON ST	MADRONA AVE	2	974	32		31168
EASTWOOD COURT	224TH ST	CUL DE SAC (N)	2	222	28	knuckle 137	6353
OSAGE COURT	CUL DE SAC (N)	224TH ST	2	267	28	knuckle 137	7613
AVIS COURT	CUL DE SAC (N)	224TH ST	2	267	28	knuckle 137	7613
226TH STREET	MADISON ST	MADRONA AVE	2	985	32		31520
EASTWOOD STREET	227TH PL	226TH ST	2	518	32		16576
228TH STREET	SAMUEL ST	MADISON ST	2	580	32		18560
228TH STREET	MADISON ST	MADRONA AVE	2	973	32		31136
229TH STREET	MADISON ST	MADRONA AVE	2	956	32		30592
<b>TOTAL</b>							<b>181,130</b>
<b>WEDNESDAY</b>							
<b>Area 1</b>							
PATRONELLA AVENUE	185TH ST	182ND ST	2	1194	32		38208
185TH STREET	YUKON ST	E O P (E)	2	472	32		15104
186TH STREET	ERMANITA AVE	FALDA AVE	2	815	32		26080
187TH STREET	FALDA AVE	CRENSHAW BLVD	2	987	32		31584
187TH PLACE	ERMANITA AVE	FALDA AVE	2	815	31		25265
188TH STREET	FALDA AVE	CRENSHAW BLVD	2	808	32		25856
189TH STREET	ERMANITA AVE	FALDA AVE	2	815	32		26080
<b>TOTAL</b>							<b>188,177</b>
<b>THURSDAY</b>							
<b>Area 5</b>							
EVALYN AVENUE	238TH ST	234TH PL	2	1124	36		40464
EVALYN AVENUE	234TH PL	234TH ST	2	333	36		11988
AUDREY AVENUE	234TH ST	LOMITA BLVD	2	1058	30		31740
LOS CODONA AVENUE	240TH ST	238TH ST	2	837	36		30132
240TH STREET	LOS CODONA AVE	NEECE AVE	2	159	36		5724
NEECE AVENUE	PACIFIC COAST HWY	240TH ST	2	412	36		14832
<b>TOTAL</b>							<b>134,880</b>

## 2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

## WEEK SEVEN

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>FRIDAY</b>							
<b>Area 4</b>							
236TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE	2	1650	31		51150
237TH STREET	PENNSYLVANIA BLVD	ARLINGTON AVE	2	1650	32		52800
237TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE	2	776	32		24832
WALTER AVENUE	238TH ST	237TH ST	2	402	32		12864
LUCILLE AVENUE	238TH ST	237TH ST	2	402	32		12864
239TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	765	30		22950
<b>TOTAL</b>							<b>177,460</b>
<b>WEEK SEVEN TOTAL</b>							<b>858,434</b>

\*NOTE: Measurements are approximations only.

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WEEK EIGHT

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
236TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE	2	803	32		25696
236TH STREET	PENNSYLVANIA BLVD	ARLINGTON AVE	2	1650	31		51150
235TH STREET	ARLINGTON AVE	CABRILLO AVE	2	1651	32		52832
234TH STREET	CUL DE SAC (E)	CRENSHAW BLVD	2	543	30	knuckle 1592	17882
233RD STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1650	30		49500
<b>TOTAL</b>							<b>197,060</b>
<b>TUESDAY</b>							
<b>Area 3</b>							
OLIVE STREET	CUL DE SAC	228TH	2	298	32	knuckle 363	9899
MODESTO AVENUE	228TH	CALAMAR ST	2	179	32		5728
MARTHA AVENUE	SEPULVEDA BLVD	228TH	2	534	32		17088
228TH (N/SEP BLVD)	W EOP	MARTHA AVE	2	758	24		18192
228th (N/Sep Blvd)	Martha Ave	City Limit (Western)	2	350	24		8400
<b>TOTAL</b>							<b>59,307</b>
<b>Area 4</b>							
234TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1650	30		49500
233RD STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	30		24150
232ND STREET	PENNSYLVANIA AVE	ARLINGTON ST	2	1649	30		49470
<b>TOTAL</b>							<b>123,120</b>
<b>FRIDAY</b>							
<b>Area 6</b>							
225TH STREET	MADISON ST	MADRONA AVE	2	982	32		31424
227TH STREET	HAWTHORNE BLVD	MADISON ST	2	997	32		31904
227TH STREET	EASTWOOD ST	MADRONA AVE	2	706	32		22592
227TH PLACE	SAMUEL ST	MADISON ST	2	576	32		18432
228TH PLACE	SAMUEL ST	CUL DE SAC (N)	2	295	30	knuckle 1297	10147
228TH PLACE	MADISON ST	AVIS ST	2	714	32		22848
AVIS STREET	229TH ST	228TH PL	2	258	32		8256
SAMUEL STREET	230TH ST	228TH ST	2	859	36		30924
SAMUEL STREET	228TH ST	227TH PL	2	269	36		9684
WARD STREET	230TH ST	CUL DE SAC (N)	2	300	30	knuckle 783	9783
<b>TOTAL</b>							<b>195,994</b>
<b>WEEK EIGHT TOTAL</b>							<b>516,174</b>

\*NOTE: Measurements are approximations only.

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

WEEK NINE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
232ND STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	30		24150
231ST STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1649	30		49470
230TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	30		24150
230TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1649	30		49470
229TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE	2	804	30		24120
CYPRESS STREET	229TH ST	SEPULVEDA BLVD	2	796	30		23880
<b>TOTAL</b>							<b>195,240</b>
<b>TUESDAY</b>							
<b>Area 1</b>							
189TH STREET	FALDA AVE	CRENSHAW BLVD	2	663	32		21216
188TH STREET	ERMANITA AVE	FALDA AVE	2	815	32		26080
187TH PLACE	FALDA AVE	CRENSHAW BLVD	2	940	32		30080
187TH STREET	ERMANITA AVE	FALDA AVE	2	815	32		26080
186TH STREET	FALDA AVE	CRENSHAW BLVD	2	987	32		31584
185TH STREET	ERMANITA AVE	FALDA AVE	2	815	32		26080
185TH STREET	FALDA AVE	CRENSHAW BLVD (FRONTAGE)	2	987	32		31584
<b>TOTAL</b>							<b>192,704</b>
<b>FRIDAY</b>							
<b>Area 4</b>							
236TH STREET	CRENSHAW BLVD	PENNSYLVANIA BLVD	2	805	34		27370
231ST STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	30		24150
230TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE	2	1652	30		49560
229TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	804	30		24120
228TH STREET	PENNSYLVANIA AVE	CYPRESS ST	2	825	30		24750
227TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	814	30		24420
<b>TOTAL</b>							<b>174,370</b>
<b>WEEK NINE TOTAL</b>							<b>562,314</b>

\*NOTE: Measurements are approximations only.

## 2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

## WEEK TEN

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
228TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	804	30		24120
229TH STREET	PENNSYLVANIA AVE	CYPRESS ST	2	825	30		24750
229TH STREET	CYPRESS ST	ARLINGTON AVE	2	825	30		24750
PEPPER TREE PLACE	229TH ST	CUL DE SAC (N)	2	160	30	knuckle 670	5470
229TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE	2	1650	30		49500
230TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	30		24150
235TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	2	805	32		25760
<b>TOTAL</b>							<b>178,500</b>
<b>TUESDAY</b>							
<b>Area 1</b>							
CRENSHAW BOULEVARD FRONT (W)	190TH LNWY	189TH ST	2	168	26		4368
CRENSHAW BOULEVARD FRONT (W)	189TH ST	188TH ST	2	294	25		7350
CRENSHAW BOULEVARD FRONT (W)	188TH ST	187TH PL	2	176	26		4576
CRENSHAW BOULEVARD FRONT (W)	187TH PL	187TH ST	2	299	26		7774
CRENSHAW BOULEVARD FRONT (W)	187TH ST	186TH ST	2	260	26		6760
CRENSHAW BOULEVARD FRONT (W)	186TH ST	185TH ST	2	323	26		8398
183RD STREET	ERMANITA AVE	FAYSMITH AVE	2	267	32		8544
183RD STREET	FAYSMITH AVE	GLENBURN AVE	2	255	32		8160
183RD STREET	GLENBURN AVE	FALDA AVE	2	257	34		8738
183RD STREET	FALDA AVE	ELGAR AVE	2	257	34		8738
DELIA AVENUE	185TH ST	E O P (N)	2	323	32		10336
ERIEL AVENUE	185TH ST	E O P (N)	2	323	32		10336
FAYSMITH AVENUE	185TH ST	183RD ST	2	717	32		22944
ELGAR AVENUE	185TH ST	183RD ST	2	714	32		22848
187TH STREET	YUKON AVE	PATRONELLA AVE	2	244	32		7808
187TH STREET	PETRONELLA AVE	CERISE AVE	2	266	32		8512
CERISE AVENUE	190TH ST	187TH ST	2	977	32		31264
<b>TOTAL</b>							<b>187,454</b>
<b>FRIDAY</b>							
<b>Area 4</b>							
PENNSYLVANIA AVENUE	CITY LIMIT	239TH ST	2	289	30		8670
PENNSYLVANIA AVENUE	239TH ST	238TH ST	2	264	29		7656
PENNSYLVANIA AVENUE	238TH ST	237TH PL	2	269	31		8339
PENNSYLVANIA AVENUE	237TH PL	237TH ST	2	259	30		7770
PENNSYLVANIA AVENUE	237TH ST	236TH PL	2	264	31		8184
PENNSYLVANIA AVENUE	236TH PL	236TH ST	2	265	30		7950
PENNSYLVANIA AVENUE	236TH ST	235TH PL	2	264	31		8184
PENNSYLVANIA AVENUE	235TH PL	235TH ST	2	264	31		8184
PENNSYLVANIA AVENUE	235TH ST	234TH ST	2	264	30		7920
PENNSYLVANIA AVENUE	234TH ST	233RD ST	2	264	30		7920
PENNSYLVANIA AVENUE	233RD ST	232ND ST	2	264	29		7656
235TH PLACE	CUL DE SAC (W)	PENNSYLVANIA AVE	2	493	30	knuckle 2081	16871

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WEEK TEN

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT		TOTAL AREA (SF)
235TH PLACE	CUL DE SAC (E)	PENNSYLVANIA AVE	2	721	36	knuckle	2518	28474
235TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE	2	1650	32			52800
<b>TOTAL</b>								<b>186,578</b>
<b>WEEK TEN TOTAL</b>								<b>552,532</b>

\*NOTE: Measurements are approximations only.

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WEEK ELEVEN

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 6</b>							
227TH PLACE	MADISON ST	MADRONA AVE	2	973	32		31136
229TH PLACE	MADISON ST	436FT W/O NADINE CIR	2	1031	36		37116
230TH STREET	HAWTHORNE BLVD	SAMUEL ST	2	488	30		14640
230TH STREET	SAMUEL ST	MADISON ST	2	510	30		15300
SAMUEL STREET	230TH ST	LOMITA BLVD	2	1122	35		39270
MADRONA AVENUE	229TH ST	228TH ST	2	514	32		16448
MADRONA AVENUE	228TH ST	227TH ST	2	253	32		8096
MADRONA AVENUE	227TH ST	224TH ST	2	1014	32		32448
<b>TOTAL</b>							<b>194,454</b>
<b>TUESDAY</b>							
<b>Area 1</b>							
PATRONELLA AVENUE	190TH ST	187TH ST	2	977	32		31264
187TH PLACE	CERISE AVE	ERMANITA AVE	2	269	31		8339
ERMANITA AVENUE	190TH ST	189TH ST	2	297	15		4455
ERMANITA AVENUE	189TH ST	188TH ST	2	255	15		3825
ERMANITA AVENUE	188TH ST	187TH PL	2	255	15		3825
ERMANITA AVENUE	187TH PL	187TH ST	2	255	15		3825
ERMANITA AVENUE	187TH ST	186TH ST	2	259	15		3885
ERMANITA AVENUE	186TH ST	185TH ST	2	323	15		4845
ERMANITA AVENUE	185TH ST	183RD ST	2	717	23		16491
ERMANITA AVENUE	183RD ST	182ND ST	2	281	28		7868
GLENBURN AVENUE	185TH ST	183RD ST	2	714	32		22848
<b>TOTAL</b>							<b>111,470</b>
<b>FRIDAY</b>							
<b>Area 1</b>							
182ND PLACE	FALDA AVE	182ND ST	2	756	34		25704
FALDA AVENUE	190TH ST	189TH ST	2	298	31		9238
FALDA AVENUE	189TH ST	188TH ST	2	255	32		8160
FALDA AVENUE	188TH ST	187TH PL	2	255	32		8160
FALDA AVENUE	187TH PL	187TH ST	2	255	32		8160
FALDA AVENUE	187TH ST	186TH ST	2	260	32		8320
FALDA AVENUE	186TH ST	185TH ST	2	323	32		10336
FALDA AVENUE	185TH ST	183RD ST	2	721	34		24514
<b>TOTAL</b>							<b>102,592</b>
<b>WEEK ELEVEN TOTAL</b>							<b>408,516</b>

\*NOTE: Measurements are approximations only.

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WEEK TWELVE

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
<b>MONDAY</b>							
<b>Area 4</b>							
PENNSYLVANIA AVENUE	232ND ST	231ST ST	2	264	29		
PENNSYLVANIA AVENUE	231ST ST	230TH PL	2	264	26		6864
PENNSYLVANIA AVENUE	230TH PL	230TH ST	2	264	30		7920
PENNSYLVANIA AVENUE	230TH ST	229TH PL	2	264	30		7920
PENNSYLVANIA AVENUE	229TH PL	229TH ST	2	264	30		7920
PENNSYLVANIA AVENUE	229TH ST	228TH	2	264	30		7920
PENNSYLVANIA AVENUE	228TH ST	227TH ST	2	264	30		7920
PENNSYLVANIA AVENUE	227TH ST	SEPULVEDA ST	2	465	30		13950
<b>TOTAL</b>							<b>60,414</b>
<b>Area 3</b>							
CABRILLO AVENUE	SEPULVEDA BLVD	SANTA FE AVE	2	555	52		28860
CABRILLO AVENUE	SANTA FE AVE	LINCOLN AVE	2	540	52		28080
CABRILLO AVENUE	LINCOLN AVE	DEL AMO PLAZA	2	655	52		34060
<b>TOTAL</b>							<b>91,000</b>
<b>TUESDAY</b>							
<b>Area 6</b>							
MADISON STREET	229TH PL	LOMITA BLVD	2	1500	37		55500
MADISON STREET	229TH PL	228TH PL	2	537	39		20943
MADISON STREET	228TH PL	227TH PL	2	530	39		20670
MADISON STREET	227TH PL	226TH ST	2	560	32		17920
MADISON STREET	226TH ST	224TH ST	2	493	31		15283
MADISON STREET	224TH ST	SEPULVEDA BLVD	2	339	31		10509
<b>TOTAL</b>							<b>140,825</b>
<b>WEEK TWELVE TOTAL</b>							<b>292,239</b>

\*NOTE: Measurements are approximations only.

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STREET NAME	FROM	TO	4" YELLOW DASHED CENTER LINE STD A20A DET 5 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	"STOP" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"PED XING" LEGEND STD A24D [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]
AREA 1																					
CORDARY AVENUE	181ST ST	180TH ST																			1
CORDARY LANE	180TH ST	CUL DE SAC (N)																			
CORDARY AVENUE	178TH ST	177TH ST																			
FLORWOOD AVENUE	180TH PL	CORDARY AVE																			1
DOTY AVENUE	182ND ST	181ST ST	55																	95	1
DOTY AVENUE	181ST ST	180TH PL																			
DOTY AVENUE	180TH PL	180TH ST																			
DOTY AVENUE	180TH ST	177TH ST																			3
AINSWORTH AVENUE	177TH ST	176TH ST																			
AINSWORTH AVENUE	176TH ST	ARTESIA BLVD							10	1											1
FONTHILL AVENUE	181ST ST	SANDYGATE DR																			1
FONTHILL AVENUE	177TH ST	176TH ST																			1
SANDGATE DRIVE	CUL DE SAC (W)	CUL DE SAC (E)																			
KORNBLUM AVENUE	177TH ST	176TH ST																			1
KORNBLUM AVENUE	176TH ST	175TH ST																			
KORNBLUM AVENUE	175TH ST	ARTESIA BLVD							10	1											1
CRANBROOK AVENUE	CUL DE SAC (N)	177TH ST																			1
175TH STREET	AINSWORTH AVE	KORNBLUM AVE																			1
176TH COURT	CUL DE SAC (N)	AINSWORTH AVE																			2
176TH STREET	AINSWORTH AVE	KORNBLUM AVE																			
177TH STREET	AINSWORTH AVE	FONTHILL AVE																			
177TH STREET	FONTHILL AVE	KORNBLUM AVE																			1
177TH STREET	KORNBLUM AVE	CRANBROOK AVE																			
177TH STREET	CRANBROOK AVE	YUKON AVE								1											80
176TH STREET	PRAIRIE AVE	SAN DIEGO FRWY							10	1											2
176TH STREET	SAN DIEGO FRWY	AINSWORTH AVE																			1
177TH STREET	PRAIRIE AVE	DOTY AVE							10	1											2
178TH STREET	PRAIRIE AVE	CORDORY AVE							10	1											2
180TH STREET	CORDARY AVE.	DOTY AVE.							10	1											1
180TH STREET	DOTY AVE	FONTHILL AVE.							10	1											
180TH PLACE	CORDARY AVE	DOTY AVE							10	1											1
180TH PLACE	FONTHILL AVE	181ST ST							10	1											2
181ST STREET	CORDARY AVE	DOTY AVE							10	1											1
181ST STREET	DOTY AVE	FONTHILL AVE							10	1											1
181ST STREET	FONTHILL AVE	180TH PL																			3
PATRONELLA AVENUE	CUL DE SAC (S)	175TH ST																			
PATRONELLA AVENUE	182nd St.	CUL DE SAC (N)																			2
CERISE AVENUE	CUL DE SAC (S)	175TH ST																			
ERMANITA AVENUE	182nd St.	EOP							10	1											1
ERMANITA AVENUE	181ST ST	180TH ST																			2
ERMANITA AVENUE	CUL DE SAC (S)	175TH ST																			
FAYSMITH AVENUE	181ST ST	180TH ST																			1
FAYSMITH AVENUE	CUL DE SAC (S)	ARTESIA BLVD							10	1											
GLENBURN AVENUE	181ST PL	180TH ST							10	1											2
GLENBURN AVENUE	180TH ST	179TH ST							10	1											
GLENBURN AVENUE	179TH ST	178TH ST																			
GLENBURN AVENUE	E O P (S)	ARTESIA BLVD							10	1											1
FALDA AVENUE	181ST ST	180TH ST																			1
FALDA AVENUE	178TH ST	177TH ST																			
FALDA AVENUE	CUL DE SAC (S)	ARTESIA																			
ELGAR AVENUE	180TH PL	180TH ST																			1
ELGAR AVENUE	E O P (S)	ARTESIA BLVD							10	1											1
DELIA AVENUE	CUL DE SAC (S)	ARTESIA																			
175TH STREET	YUKON ST	FAYSMITH AVE							10	1											2
175TH STREET	GLENBURN AVE	ELGAR AVE																			2

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STREET NAME	FROM	TO	4" YELLOW DASHED CENTER LINE STD A20A DET 5 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	"STOP" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"PED XING" LEGEND STD A24D [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]	
175TH STREET	ELGAR AVE	DELIA AVE																				1
177TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												3
178TH STREET	GLENBURN AVE	CRENSHAW BLVD							10	1												4
179TH STREET	GLENBURN AVE	CRENSHAW BLVD							10	1												3
180TH STREET	ERMANITA AVE	GLENBURN AVE							10	1												1
180TH STREET	GLENBURN AVE	CRENSHAW BLVD							20	2												3
180TH PLACE	ELGAR AVE	CRENSHAW BLVD							10	1												2
181ST STREET	ERMANITA AVE	GLENBURN AVE							10	1												
181ST STREET	FALDA AVE	CRENSHAW BLVD							10	1												2
PATRONELLA AVENUE	190TH ST	187TH ST							10	1												2
PATRONELLA AVENUE	186TH ST	182ND ST							10	1												2
CERISE AVENUE	190TH ST	187TH ST							30	3												2
ERMANITA AVENUE	190TH ST	189TH ST							10	1												
ERMANITA AVENUE	189TH ST	188TH ST																				1
ERMANITA AVENUE	188TH ST	187TH PL							10	1												
ERMANITA AVENUE	187TH PL	187TH ST							10	1												1
ERMANITA AVENUE	187TH ST	186TH ST																				
ERMANITA AVENUE	186TH ST	185TH ST																				
ERMANITA AVENUE	185TH ST	183RD ST																				
ERMANITA AVENUE	183RD ST	182ND ST		55					10	1												1
FAYSMITH AVENUE	185TH ST	183RD ST																				2
GLENBURN AVENUE	185TH ST	183RD ST																				1
FALDA AVENUE	190TH ST	189TH ST							10	1												
FALDA AVENUE	189TH ST	188TH ST																				
FALDA AVENUE	188TH ST	187TH PL							10	1												
FALDA AVENUE	187TH PL	187TH ST							10	1												
FALDA AVENUE	187TH ST	186TH ST																				
FALDA AVENUE	186TH ST	185TH ST							10	1												
FALDA AVENUE	185TH ST	183RD ST							10	1												2
ELGAR AVENUE	185TH ST	183RD ST																				1
DELIA AVENUE	185TH ST	E O P (N)																				1
ERIEL AVENUE	185TH ST	E O P (N)																				1
CRENSHAW BLVD FRONT	190TH LN WY	189TH ST																				1
CRENSHAW BLVD FRONT	189TH ST	188TH ST							10	1												
CRENSHAW BLVD FRONT	188TH ST	187TH PL							10	1												
CRENSHAW BLVD FRONT	187TH PL	187TH ST																				
CRENSHAW BLVD FRONT	187TH ST	186TH ST							20	2												
CRENSHAW BLVD FRONT	186TH ST	185TH ST							10	1												
182ND PLACE	FALDA AVE	182ND ST								1										60		1
183RD STREET	ERMANITA AVE	FAYSMITH AVE																				1
183RD STREET	FAYSMITH AVE	GLENBURN AVE																				1
183RD STREET	GLENBURN AVE	FALDA AVE							10	1												
183RD STREET	FALDA AVE	ELGAR AVE							10	1												1
185TH STREET	ERMANITA AVE	FALDA AVE							10	1												1
185TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												1
186TH STREET	ERMANITA AVE	FALDA AVE							10	1												2
186TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												3
187TH STREET	ERMANITA AVE	FALDA AVE							10	1												1
187TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												3
187TH PLACE	ERMANITA AVE	FALDA AVE							10	1												1
187TH PLACE	FALDA AVE	CRENSHAW BLVD							10	1												3
188TH STREET	ERMANITA AVE	FALDA AVE							10	1												1
188TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												3
189TH STREET	ERMANITA AVE	FALDA AVE							10	1												2
189TH STREET	FALDA AVE	CRENSHAW BLVD							10	1												3
<b>TOTALS</b>			<b>0</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>175</b>	<b>114</b>

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STREET NAME	FROM	TO	4" YELLOW DASHED CENTER LINE STD A20A DET 5 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	"STOP" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"PED XING" LEGEND STD A24D [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]
<b>Area 2</b>																					
MERRILL DRIVE	CARSON ST (W)	CARSON ST (E)		300					20	2											3
FLOWER AVENUE	MONTEREY ST	CARSON ST							10	2										120	2
JUNIPER AVENUE	MONTEREY ST	CARSON ST							20	2											1
IRIS AVENUE	MONTEREY ST	CARSON ST							20	2											
HICKORY AVENUE	MONTEREY ST	CARSON ST							20	2											
GREENWOOD AVENUE	MONTEREY ST	CARSON ST							20	2											1
FERN AVENUE	MONTEREY ST	CARSON ST							10	2										120	1
ELM AVENUE	MONTEREY ST	CARSON ST							20	2											1
DATE AVENUE	MONTEREY ST	CARSON ST							20	2											
MONTEREY STREET	MADRONA AVE	MAPLE AVE	800	55																120	1
MONTEREY STREET	MAPLE AVE	FLOWER AVE	400	100																120	1
MONTEREY STREET	FLOWER AVE	JUNIPER AVE	300																		1
MONTEREY STREET	JUNIPER AVE	IRIS AVE	300						10	1											
MONTEREY STREET	IRIS AVE	HICKORY AVE	300						10	1											1
MONTEREY STREET	HICKORY AVE	GREENWOOD AVE	300																		1
MONTEREY STREET	GREENWOOD AVE	FERN AVE	300						10	1											1
MONTEREY STREET	FERN AVE	ELM AVE	300						10	1											1
MONTEREY STREET	ELM AVE	DATE AVE	300																		2
MONTEREY STREET	DATE AVE	CRENSHAW BLVD	500			55				2								2	120		1
<b>TOTALS</b>			<b>3800</b>	<b>455</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>120</b>	<b>240</b>	<b>19</b>
<b>Area 3</b>																					
PLUM AVENUE	SANTA CRUZ CT	SANTA FE AVE							10	1											
Plum Avenue	Sepulveda Blvd	end							10	1											
VINE AVENUE	SEPULVEDA BLVD	E O P (N)							10	1											2
CYPRESS STREET	SEPULVEDA WAY	SANTA FE AVE																			
ORANGE AVENUE	SEPULVEDA BLVD	SANTA FE AVE							20	2											
APPLE AVENUE	SANTA FE AVE	LINCOLN AVE							10	2										100	1
APPLE AVENUE	LINCOLN AVE	E O P								1											100
GRAMERCY AVENUE	SEPULVEDA BLVD	SANTA FE AVE							10	1											
ANDREO AVENUE	SEPULVEDA BLVD	SANTA FE AVE							10	1											2
CABRILLO AVENUE	SEPULVEDA BLVD	SANTA FE AVE			875	125	785	100			1	1			1	1		4	120		2
CABRILLO AVENUE	SANTA FE AVE	LINCOLN AVE			835	55	755	200		2	2	2				1		1	265		2
CABRILLO AVENUE	LINCOLN AVE	DEL AMO PLAZA		600		100	700	200	20	4	2	2					2	1	120		1
BORDER AVENUE	SEPULVEDA BLVD	SANTA FE AVE							10	1											2
BORDER AVENUE	SANTA FE AVE	MARINETTE ST																			1
BORDER AVENUE	MARINETTE ST	SAN ARDO ST							10	1											1
BORDER AVENUE	SAN ARDO ST	DEL AMO PLAZA							10	2										80	1
OLIVE STREET	CUL DE SAC	228TH																			
MODESTO AVENUE	228TH	CALAMAR ST							10	1											
KNODE STREET	SEPULVEDA BLVD	228TH							10	1											
MARTHA AVENUE	SEPULVEDA BLVD	228TH							20	2											1
MARTHA AVENUE	228TH	SANTA FE AVE							10	1											
MARTHA AVENUE	SANTA FE AVE	LINCOLN AVE																			
Alberta STREET	Sepulveda Blvd.	228th St.							10	1											
SAN ARDO STREET	BORDER AVE	E O P (E)							10	1											1
LINCOLN AVENUE	TORRENCE ELEM	APPLE AVE							10	1											1
LINCOLN AVENUE	APPLE AVE	ARLINGTON AVE							10	2											110
LINCOLN AVENUE	E O P	ANDREO AVE																			1
LINCOLN AVENUE	ANDREO AVE	CABRILLO AVE							10	1											
LINCOLN AVENUE	CABRILLO AVE	BORDER AVE							20	2											
LINCOLN AVENUE	MARTHA AVE	CITY LIMIT							10	1											
MARINETTE STREET	BORDER AVE	MARTHA AVE							10	1											2
SANTA FE AVENUE	CUL DE SAC (W)	VINE AVE																			3
SANTA FE AVENUE	VINE AVE	CYPRESS ST																			1
SANTA FE AVENUE	CYPRESS ST	ORANGE AVE																			1

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STREET NAME	FROM	TO	4" YELLOW DASHED CENTER LINE STD A20A DET 5 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	"STOP" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"PED XING" LEGEND STD A24D [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]	
SANTA FE AVENUE	ORANGE AVE	ARLINGTON AVE								1										110		1
SANTA FE AVENUE	ARLINGTON AVE	GRAMERCY AVE								1										110		1
SANTA FE AVENUE	GRAMERCY AVE	ANDREO AVE																		110		1
SANTA FE AVENUE	ANDREO AVE	CABRILLO AVE							10	1												
SANTA FE AVENUE	BORDER AVE	MARTHA AVE							10	1												2
SANTA CRUZ COURT	CUL DE SAC (W)	VINE AVE																				2
SANTA CRUZ COURT	ORANGE AVE	E O P (E)																				1
CALAMAR STREET	SANTA FE AVE	MARTHA AVE																				2
228TH (N/SEP BLVD)	W EOP	MARTHA AVE							10	1												1
228th (N/Sep Blvd)	Martha Ave	City Limit (Western)							20	2												1
<b>TOTALS</b>			<b>0</b>	<b>600</b>	<b>1710</b>	<b>280</b>	<b>2240</b>	<b>500</b>	<b>310</b>	<b>41</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>915</b>	<b>310</b>	<b>38</b>	
<b>Area 4</b>																						
HAAS AVENUE	236TH ST	235TH PL																				1
HAAS AVENUE	235TH ST	234TH ST							10	1												1
ANDREO AVENUE	231ST ST	230TH PL																				
DANA COURT	231ST ST	CUL DE SAC (N)																				
DANA AVENUE	E O P (S)	231ST ST																				
CABRILLO AVENUE	CITY LIMIT	238TH ST			350	65	350	100		2	2	2								1		120
CABRILLO AVENUE	238TH ST	237TH PL			280	75	245	200		2	1	1								1		120
CABRILLO AVENUE	237TH PL	237TH ST			255	75	315	100		2	2	2			1					1		120
CABRILLO AVENUE	237TH ST	236TH PL			230	75	315	100		2	3	3			1					1		120
CABRILLO AVENUE	236TH PL	236TH ST			255	50	225	210		2	1	1								1		150
CABRILLO AVENUE	236TH ST	235TH PL			300	50	190	200		2	2	2								1		150
CABRILLO AVENUE	235TH PL	235TH ST			240	75	180	200		2	2	2								1		150
CABRILLO AVENUE	235TH ST	234TH ST			245	75	180	200		2	2	2								1		150
CABRILLO AVENUE	234TH ST	233RD ST			280	50	195	200		2	2	2								1		140
CABRILLO AVENUE	233RD ST	232ND ST			270	50	180	215		2	2	2								1		140
CABRILLO AVENUE	232ND ST	231ST ST (E)			320		125	200			2	2										
CABRILLO AVENUE	231ST ST (E)	230TH ST (E)			360		200	205			1	1										
CABRILLO AVENUE	230TH ST (E)	MIDDLEBROOK AVE			640	78	630	190		2	3	3								1		170
CABRILLO AVENUE	MIDDLEBROOK AVE	SEPULVEDA BLVD			695	265	530	280		2	3	3								3		320
STANHURST AVENUE	CITY LIMIT	238TH ST																				1
LA MOUR COURT	CUL DE SAC (S)	238TH ST																				1
WALNUT STREET	CITY LIMIT	238TH ST	230							1												90
WALNUT STREET	238TH ST	237TH ST	360	25						1												100
WALNUT STREET	237TH ST	236TH ST	455						10	1												
WALNUT STREET	236TH ST	235TH PL	160	25						1												85
WALNUT STREET	235TH PL	235TH ST	170	25						1												80
WALNUT STREET	235TH ST	234TH ST	170	25						1												80
WALNUT STREET	234TH ST	233RD ST	160	25					10	1												
WALNUT STREET	233RD ST	232ND ST	170	25					10	1												
WALNUT STREET	232ND ST	230TH ST	200																			
WALNUT STREET	230TH ST	HUBER AVE	180																			
WALNUT STREET	HUBER AVE	SEPULVEDA BLVD	400						95	2						1						2
HUBER AVENUE	234TH ST	FALENA AVE																				
HUBER AVENUE	FALENA AVE	WALNUT ST							10	1												2
WESTERN AVENUE	234TH ST	WESTERN AVE (N)							10	1												1
FALENA AVENUE	236TH ST	SCHILLING CT																				1
FALENA AVENUE	235TH ST	234TH ST																				1
FALENA AVENUE	234TH ST	HUBER AVE																				
FALENA AVENUE	238TH ST	E O P (N)																				
GRAMERCY AVENUE	ARLINGTON AVE	MIDDLEBROOK RD								1												105
GRAMERCY AVENUE	MIDDLE BROOK RD	SEPULVEDA							10	1												1
REYNOSA DRIVE	MIDDLEBROOK AVE	KATHY WY																				2
REYNOSA DRIVE	KATHY WY	CABRILLO AVE							10	1												
REYNOSA DRIVE	CABRILLO AVE	MIDDLEBROOK AVE							10	1												1

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KATHY WAY	REYNOSA DR	CABRILLO AVE							10	1												
MIDDLEBROOK AVENUE	GRAMERCY AVE	REYNOSA DR (W)		65																		1
MIDDLEBROOK AVENUE	REYNOSA DR (W)	CABRILLO AVE							10	1												1
MIDDLEBROOK AVENUE	CABRILLO AVE	REYNOSA DR (E)		220					10	1												1
MIDDLEBROOK AVENUE	REYNOSA DR (E)	WALNUT ST							10	1												
230TH STREET	ARLINGTON AVE	CABRILLO							20	2												3
230TH STREET	CABRILLO	WALNUT ST							20	2												2
231ST STREET	ARLINGTON AVE	CABRILLO							10	1											100	3
231ST STREET	CABRILLO	CUL DE SAC (E)							10	1												1
231ST STREET	CUL DE SAC (W)	WALNUT ST																				1
232ND STREET	CUL DE SAC (W)	CABRILLO AVE							10	1												1
232ND STREET	CABRILLO AVE	WALNUT ST							10	1												3
233RD STREET	ARLINGTON AVE	CABRILLO AVE							10	2										90		4
233RD STREET	CABRILLO AVE	WALNUT ST							10	2										90		2
234TH STREET	HAAS AVE.	CABRILLO AVE							10	1												2
234TH STREET	CABRILLO AVE	WALNUT ST							20	2												2
234TH STREET	FALENA AVE	HUBER AVE																				
234TH STREET	HUBER AVE	WESTERN AVE							10	1												1
235TH STREET	ARLINGTON AVE	CABRILLO AVE		1600			3500			1										100	100	4
235TH STREET	CABRILLO AVE	WALNUT ST		760			1600			2										100	100	2
235TH STREET	WALNUT ST	WESTERN AVE		770					10	2										100		1
235TH PLACE	HAAS ST	CABRILLO AVE							10	1												2
235TH PLACE	CABRILLO AVE	WALNUT ST							20	2												2
SCHILLING COURT	CUL DE SAC (E)	WALNUT ST							10	1												1
236TH STREET	ARLINGTON AVE	CABRILLO AVE							10	2										100		3
236TH STREET	CABRILLO AVE	WALNUT ST								2										200		1
236TH STREET	FALENA AVE	CITY LIMIT							10	1												1
236TH STREET	WALNUT ST	E CUL-DE-SAC								1										100		1
236TH PLACE	ARLINGTON AVE	CABRILLO AVE							20	2												3
237TH STREET	ARLINGTON AVE	CABRILLO AVE								2				2						100	200	3
237TH STREET	CABRILLO AVE	WALNUT ST							10	2											100	1
237TH PLACE	CABRILLO AVE	WALNUT ST							20	2												2
238TH STREET	E O P (W)	ALLIENE AVE							10	2												2
238TH STREET	ARLINGTON AVE	CABRILLO AVE							10	2											100	3
238TH STREET	CABRILLO AVE	WALNUT ST							10	2											100	2
238TH STREET	WALNUT ST	CITY LIMIT	25	250						1											240	1
PENNSYLVANIA AVE	CITY LIMIT	239TH ST							10	1												1
PENNSYLVANIA AVE	239TH ST	238TH ST							10	1												
PENNSYLVANIA AVE	238TH ST	237TH PL																				1
PENNSYLVANIA AVE	237TH PL	237TH ST							10	1												1
PENNSYLVANIA AVE	237TH ST	236TH PL							10	1												
PENNSYLVANIA AVE	236TH PL	236TH ST							10	1												1
PENNSYLVANIA AVE	236TH ST	235TH PL							10	1												
PENNSYLVANIA AVE	235TH PL	235TH ST								1												90
PENNSYLVANIA AVE	235TH ST	234TH ST								1												90
PENNSYLVANIA AVE	234TH ST	233RD ST							10	1												
PENNSYLVANIA AVE	233RD ST	232ND ST							10	1												
PENNSYLVANIA AVE	232ND ST	231ST ST							10	1												
PENNSYLVANIA AVE	231ST ST	230TH PL							10	1												
PENNSYLVANIA AVE	230TH PL	230TH ST							10	1												
PENNSYLVANIA AVE	230TH ST	229TH PL							10	1												
PENNSYLVANIA AVE	229TH PL	229TH ST							10	1												
PENNSYLVANIA AVE	229TH ST	228TH							10	1												
PENNSYLVANIA AVE	228TH ST	227TH ST		200																		
PENNSYLVANIA AVE	227TH ST	SEPULVEDA ST							10	1												
VINE AVENUE	239TH ST	CUL DE SAC (N)																				

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VINE AVENUE	238TH ST	237TH ST																				
WALTER AVENUE	238TH ST	237TH ST																				
CYPRESS STREET	229TH ST	SEPULVEDA BLVD							10	1												1
CYPRESS STREET	238TH ST	237TH ST																				
LUCILLE AVENUE	238TH ST	237TH ST																				
PEPPER TREE PLACE	229TH ST	CUL DE SAC (N)																				1
ALLIENE AVENUE	238TH ST	237TH ST																				
227TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
227TH STREET	PENNSYLVANIA AVE	CYPRESS ST							10	1												1
228TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
228TH STREET	PENNSYLVANIA AVE	CYPRESS ST							10	1												2
229TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
229TH STREET	PENNSYLVANIA AVE	CYPRESS ST							10	1												2
229TH STREET	CYPRESS ST	ARLINGTON AVE							10	1												1
229TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
229TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												3
230TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
230TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												3
230TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												2
230TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												4
231ST STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
231ST STREET	PENNSYLVANIA AVE	ARLINGTON AVE							10	2										100		2
232ND STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												2
232ND STREET	PENNSYLVANIA AVE	ARLINGTON ST							20	2												4
233RD STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
233RD STREET	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												3
234TH STREET	CUL DE SAC (E)	CRENSHAW BLVD							10	1												2
234TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												4
235TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	750		60	1100			10	1							1		110			1
235TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE	1600			3200														200		3
235TH PLACE	CUL DE SAC (W)	PENNSYLVANIA AVE							10	1												1
235TH PLACE	CUL DE SAC (E)	PENNSYLVANIA AVE							10	1												1
236TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												2
236TH STREET	PENNSYLVANIA	ARLINGTON AVE							20	2			2							100		4
236TH STREET	CRENSHAW BLVD	W END																				
236TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												
236TH PLACE	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												3
237TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE	50						10	1										120		1
237TH STREET	PENNSYLVANIA	ARLINGTON AVE							10	2									80			4
237TH PLACE	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												
238TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												
238TH STREET	E O P (W)	ALLIENE AVE																				2
239TH STREET	CRENSHAW BLVD	PENNSYLVANIA AVE							20	2												1
239TH STREET	PENNSYLVANIA AVE	ARLINGTON AVE							20	2												3
<b>TOTALS</b>			<b>2880</b>	<b>6415</b>	<b>4720</b>	<b>1043</b>	<b>13260</b>	<b>2600</b>	<b>1245</b>	<b>168</b>	<b>28</b>	<b>28</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>15</b>	<b>3440</b>	<b>1960</b>	<b>156</b>	
<b>Area 5</b>																						
MARION AVENUE	CUL DE SAC (E)	CALLE MAYOR							10	1												
LOUISE AVENUE	CUL DE SAC (E)	CALLE MAYOR							10	1												
THEO AVENUE	MAYOR CALLE	MAYOR DR							10	1												
MAYOR DRIVE (E)	JUAN AVE	MAYOR CALLE							10	1										90		
JUAN AVENUE	CALLE MAYOR MID	MAYOR CALLE							10	1												
MAYOR DRIVE (W)	THEO AVE	MAYOR CALLE							10	1												
CARLOW ROAD	238TH ST	234TH PL							10	1			2							80		
CARLOW ROAD	234TH ST	CALLE MAYOR																				
LEYTE DRIVE	238TH ST	234TH PL																				
KATHRYN AVENUE	238TH ST	234TH PL							10	1												

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EVALYN AVENUE	238TH ST	234TH PL																				2
EVALYN AVENUE	234TH PL	234TH ST																				2
EVALYN AVENUE	234TH ST	233RD ST																				
EVALYN AVENUE	233RD ST	232ND ST																				1
LADEENE AVENUE	PACIFIC COAST	239TH ST							10	1												2
LADEENE AVENUE	238TH ST	236TH ST							10	1												2
LADEENE AVENUE	236TH ST	234TH ST							10	1												3
LADEENE AVENUE	CALLE MAYOR	CALLE MAYOR GRANT																				3
KENT AVENUE	CALLE MAYOR	231ST ST							20	2												2
KENT AVENUE	231ST ST	230TH PL		75					10	1												
KENT AVENUE	230TH PL	LOMITA BLVD		75					10	1												2
ADOLPH AVENUE	236TH ST	235TH ST																				2
ADOLPH AVENUE	234TH ST	232ND ST							10	1												2
ADOLPH AVENUE	231ST ST	LOMITA BLVD							10	1												1
GALVA AVENUE	GRANT AVE	398FT N/O GRANT							10	1												3
AUDREY AVENUE	CUL DE SAC	238TH ST							20	2												
AUDREY AVENUE	234TH ST	LOMITA BLVD																				3
LOS CODONA AVENUE	240TH ST	238TH ST							10	1												3
LOS CODONA AVENUE	234TH ST	231ST PL		100																		2
NEECE AVENUE	PACIFIC COAST	240TH ST							10	1								1				2
230TH STREET	ANZA AVE	CDS							10	1												
230TH PLACE	ANZA AVE	KENT AVE							10	1												4
231ST STREET	CUL DE SAC (W)	KENT AVE																				2
231ST STREET	ADOLPH AVE	CUL DE SAC (E)																				
231ST PLACE	LOS CODONA AVE	AUDREY AVE		50					10	1												1
231ST PLACE	ADOLPH AVE	OCEAN AVE							10	1												1
232ND STREET	CARLOW RD	EVALYN AVE																				
233RD STREET	CARLOW RD	EVALYN AVE							10	1												
234TH STREET	CARLOW RD	EVALYN AVE							10	1												2
234TH STREET	EVALYN AVE	ANZA AVE							10	1												1
234TH PLACE	LADEENE AVE	OCEAN AVE							10	1												2
234TH PLACE	CARLOW RD	LEYTE DR							10	1												
234TH PLACE	LEYTE DR	KATHRYN AVE																				
234TH PLACE	KATHRYN AVE	EVALYN AVE																				
238TH STREET	LEYTE DR	KATHRYN AVE																				2
238TH STREET	KATHRYN AVE	EVALYN AVE																				1
238TH STREET	EVALYN AVE	ANZA AVE							10	1												1
CALLE MAYOR	ANZA AVE	KENT AVE		200		85												2		110		
GRANT AVENUE	KENT AVE	234TH ST							10	1												2
234TH STREET	ANZA AVE	LADEENE AVE							10	1												1
234TH STREET	LADEENE AVE	CALLE MAYOR							10	1												1
234TH STREET	CALLE MAYOR	ADOLPH AVE							10	1												1
234TH STREET	ADOLPH AVE	OCEAN AVE							10	1												1
235TH STREET	ADOLPH AVE	OCEAN AVE							10	1												1
236TH STREET	ANZA AVE	LADEENE AVE							10	1												1
238TH STREET	OCEAN AVE	LOS CODONA AVE							20	2												2
238TH STREET	LOS CODONA AVE	HAWTHORNE BLVD								1												
239TH STREET	ANZA AVE	LADEENE AVE							10	1												1
240TH STREET	LOS CODONA AVE	NEECE AVE							10	1												
<b>TOTALS</b>			<b>0</b>	<b>500</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>430</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>230</b>	<b>170</b>	<b>75</b>	
<b>Area 6</b>																						
226TH STREET	MAPLE AVE	FONTHILL AVE							10	1											100	1
226TH STREET	FONTHILL AVE	JUNIPER AVE							10	1												1
227TH STREET	CUL DE SAC (W)	FONTHILL AVE																				
229TH STREET	FELBAR AVE	FONTHILL AVE							10	1												
229TH STREET	FONTHILL AVE	230TH ST							10	1												1

2015 RESIDENTIAL SLURRY SEAL PROGRAM, I-159

STREET NAME	FROM	TO	4" YELLOW DASHED CENTER LINE STD A20A DET 5 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	"STOP" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"PED XING" LEGEND STD A24D [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]		
230TH STREET	FONTHILL AVE	JUNIPER AVE								1										100			
232ND STREET	FONTHILL AVE	JUNIPER AVE							10	1													1
234TH STREET	CUL DE SAC (W)	JUNIPER AVE																					2
FELBAR AVENUE	MAPLE AVE	229TH ST							10	1													2
FELBAR AVENUE	CUL DE SAC (S)	226TH AVE																					
FONTHILL AVENUE	232ND ST	230TH ST																					1
FONTHILL AVENUE	230TH ST	229TH ST							10	1													1
FONTHILL AVENUE	229TH ST	226TH ST							20	2													2
BENNER AVENUE	234TH ST	232ND ST																					
BENNER AVENUE	229TH ST	226TH ST																					2
BENNER COURT	232ND ST	CUL DE SAC (N)																					
JUNIPER AVENUE	235TH ST	232ND ST		30					10	1											100		1
JUNIPER AVENUE	232ND ST	230TH ST							10	2												90	
JUNIPER AVENUE	230TH ST	226TH ST							10	1													3
224TH STREET	CUL DE SAC (W)	MADISON ST							10	1													1
224TH STREET	MADISON ST	MADRONA AVE							10	1													2
225TH STREET	HAWTHORNE BLVD	MADISON ST							20	2													1
225TH STREET	MADISON ST	MADRONA AVE							10	1													2
226TH STREET	HAWTHORNE BLVD	MADISON ST							20	2													1
226TH STREET	MADISON ST	MADRONA AVE							10	1													1
227TH STREET	HAWTHORNE BLVD	MADISON ST							20	2													2
227TH STREET	EASTWOOD ST	MADRONA AVE																					1
227TH PLACE	SAMUEL ST	MADISON ST							10	1													1
227TH PLACE	MADISON ST	MADRONA AVE							10	1													2
228TH STREET	SAMUEL ST	MADISON ST							10	1													1
228TH STREET	MADISON ST	MADRONA AVE							10	1													2
228TH PLACE	SAMUEL ST	CUL DE SAC (N)																					1
228TH PLACE	MADISON ST	AVIS ST							10	1													1
229TH STREET	MADISON ST	MADRONA AVE							10	1													1
229TH PLACE	MADISON ST	436FT W/O NADINE	510							1													100
229TH PLACE	436FT W/O NADINE	NADINE CIR		420						1													100
230TH STREET	HAWTHORNE BLVD	SAMUEL ST				110												2		90			
230TH STREET	SAMUEL ST	MADISON ST								1													100
SAMUEL STREET	230TH ST	LOMITA BLVD							20	2													3
SAMUEL STREET	230TH ST	228TH ST							10	1													
SAMUEL STREET	228TH ST	227TH PL																					
WARD STREET	224TH ST	SEPULVEDA BLVD							20	2													
WARD STREET	230TH ST	CUL DE SAC (N)							10	1													1
MADISON STREET	229TH PL	LOMITA BLVD	100		120				20	4								1				140	2
MADISON STREET	229TH PL	228TH PL	400							1												80	
MADISON STREET	228TH PL	227TH PL	300						10	1													
MADISON STREET	227TH PL	226TH ST	400						10	1													
MADISON STREET	226TH ST	224TH ST	400						20	2													
MADISON STREET	224TH ST	SEPULVEDA BLVD	240																		100		
EASTWOOD COURT	224TH ST	CUL DE SAC (N)																					
EASTWOOD STREET	227TH PL	226TH ST																					
OSAGE COURT	CUL DE SAC (N)	224TH ST																					
AVIS COURT	CUL DE SAC (N)	224TH ST																					
AVIS STREET	229TH ST	228TH PL																					1
MADRONA AVENUE	229TH ST	228TH ST																					
MADRONA AVENUE	228TH ST	227TH ST																					
MADRONA AVENUE	227TH ST	224TH ST																					
<b>TOTALS</b>			<b>2350</b>	<b>450</b>	<b>120</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>490</b>	<b>610</b>	<b>47</b>	
<b>GRAND TOTALS</b>			<b>9,030</b>	<b>8,530</b>	<b>6,550</b>	<b>1,573</b>	<b>15,500</b>	<b>3,100</b>	<b>3,185</b>	<b>387</b>	<b>33</b>	<b>33</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>29</b>	<b>5,495</b>	<b>3,465</b>	<b>449</b>		

## **APPENDIX V**

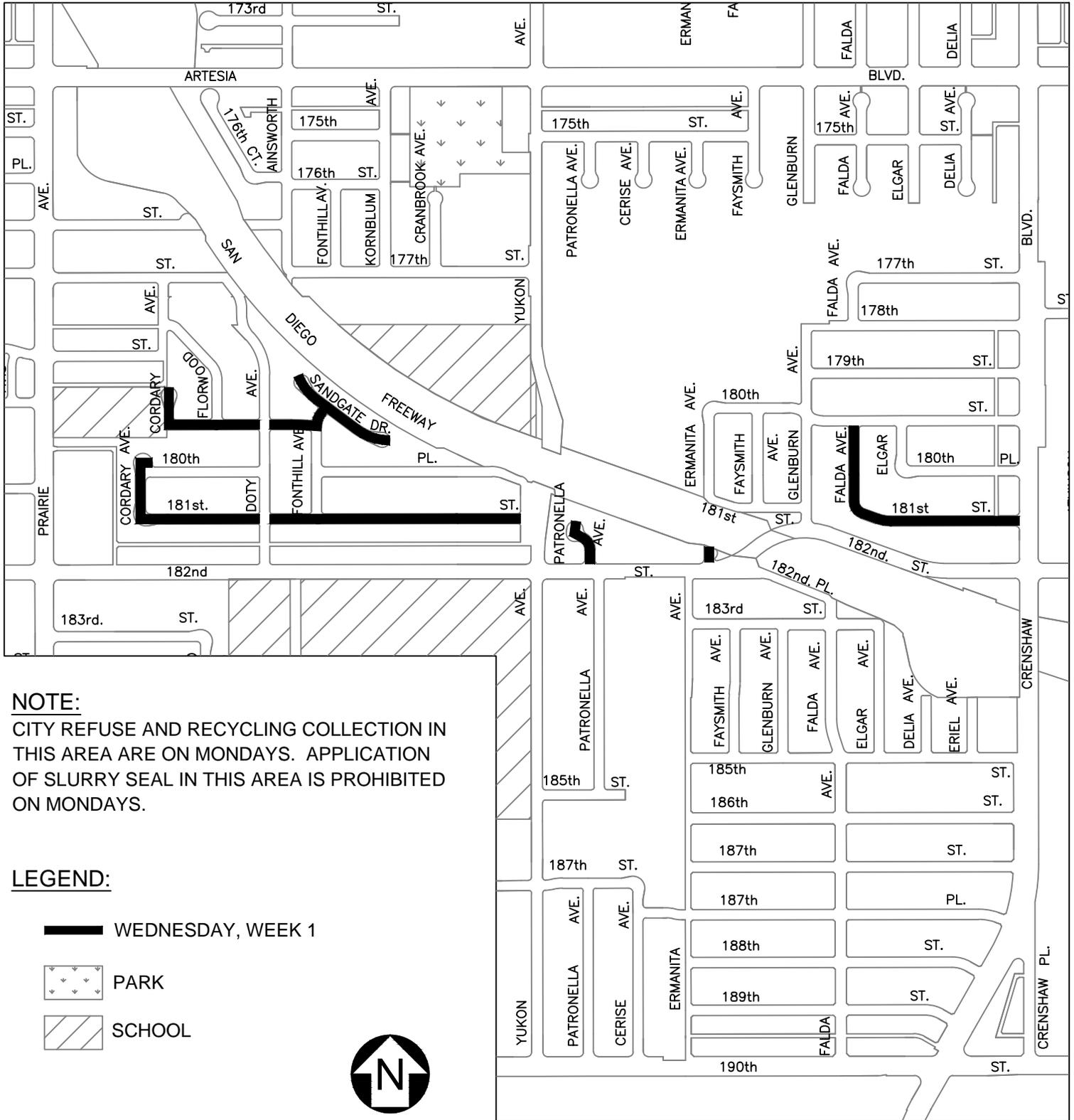
### **RESIDENTIAL SLURRY SEAL SCHEDULE MAPS**

# CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT

## 2015 Residential Slurry Seal Program, I-159

### STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

WEDNESDAY, WEEK 1

PARK

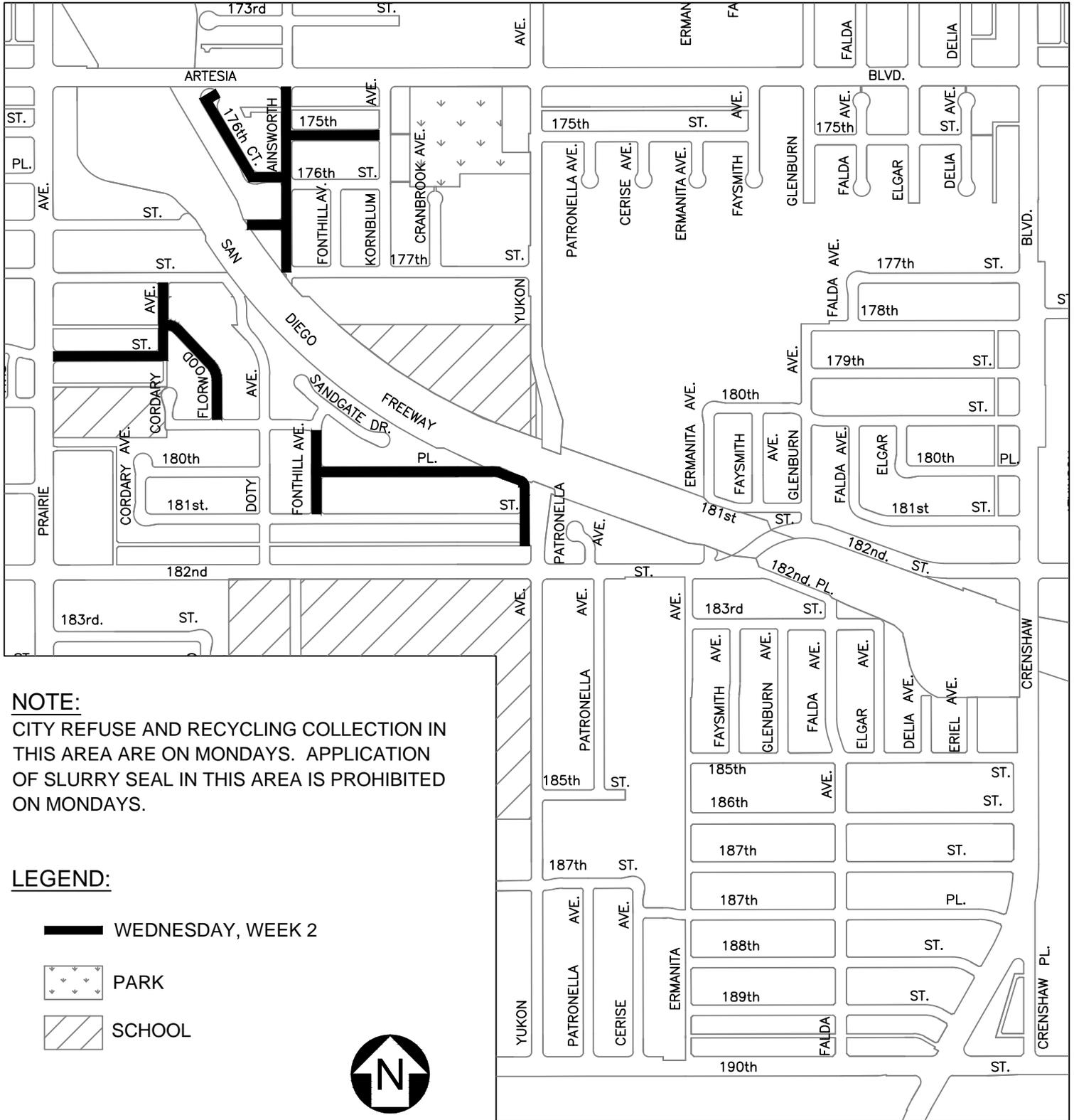
SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 WEDNESDAY, WEEK 2

 PARK

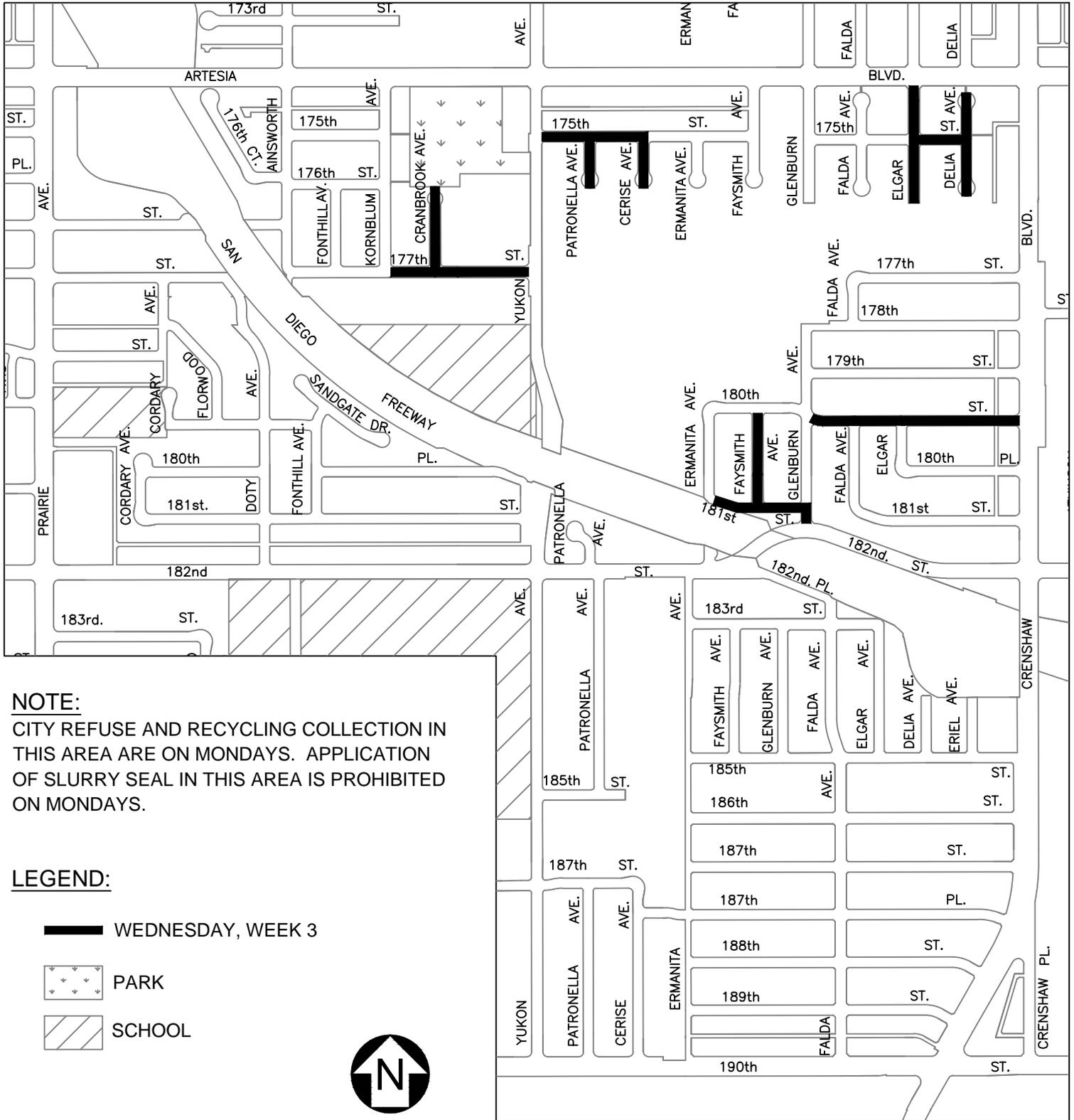
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**  
 CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

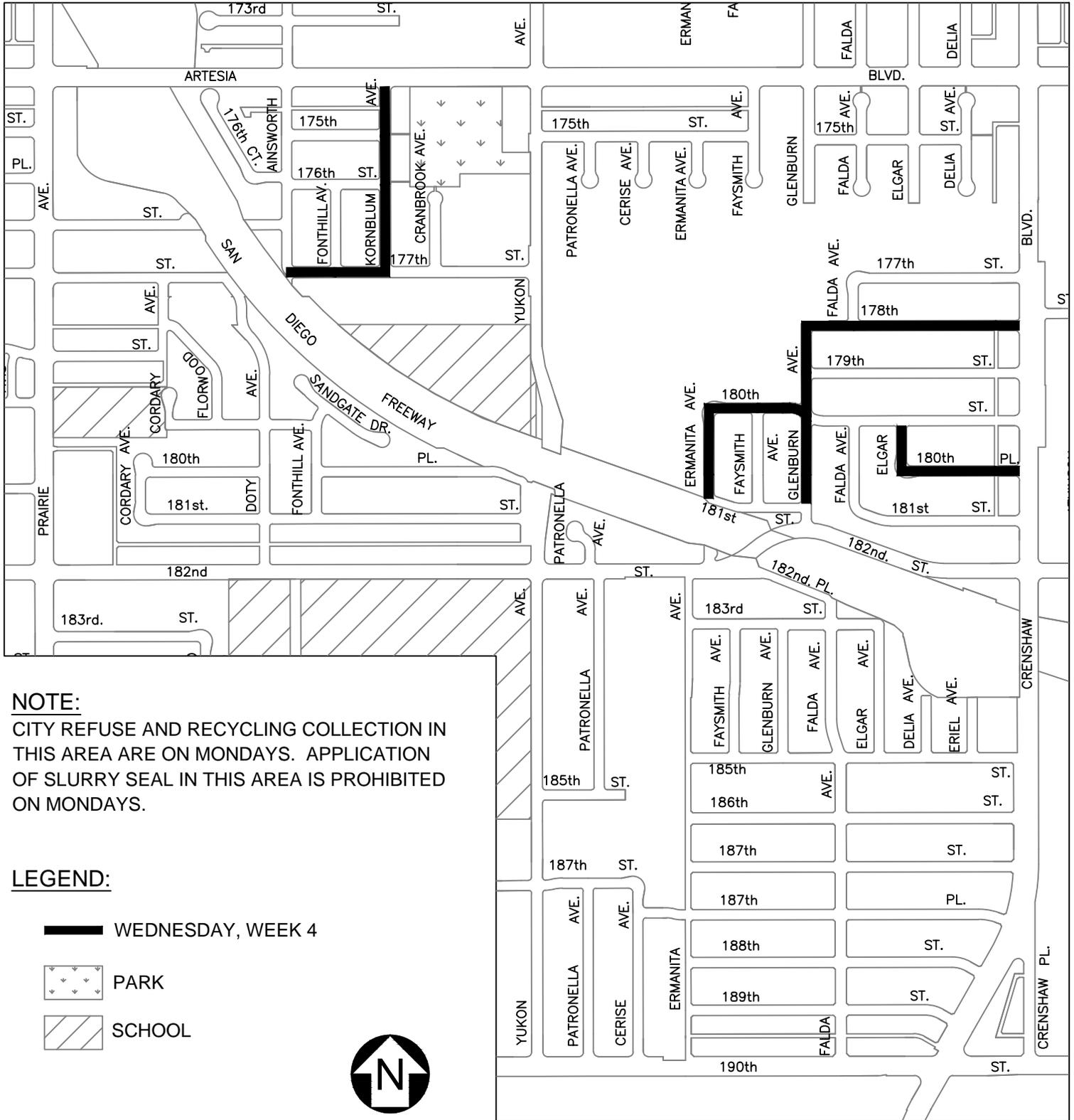
-  WEDNESDAY, WEEK 3
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

**AREA 1**



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 WEDNESDAY, WEEK 4

 PARK

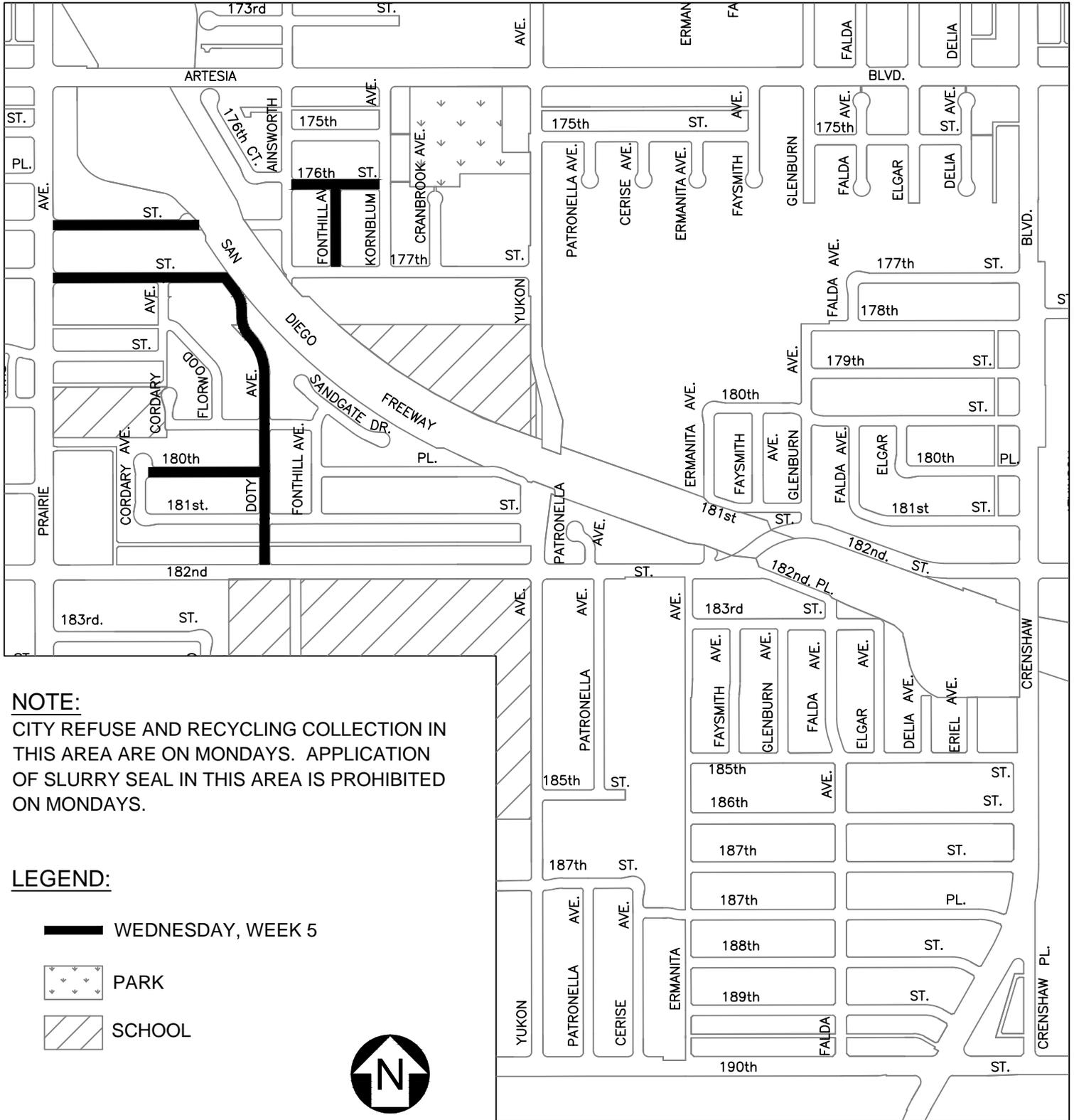
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**  
 CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

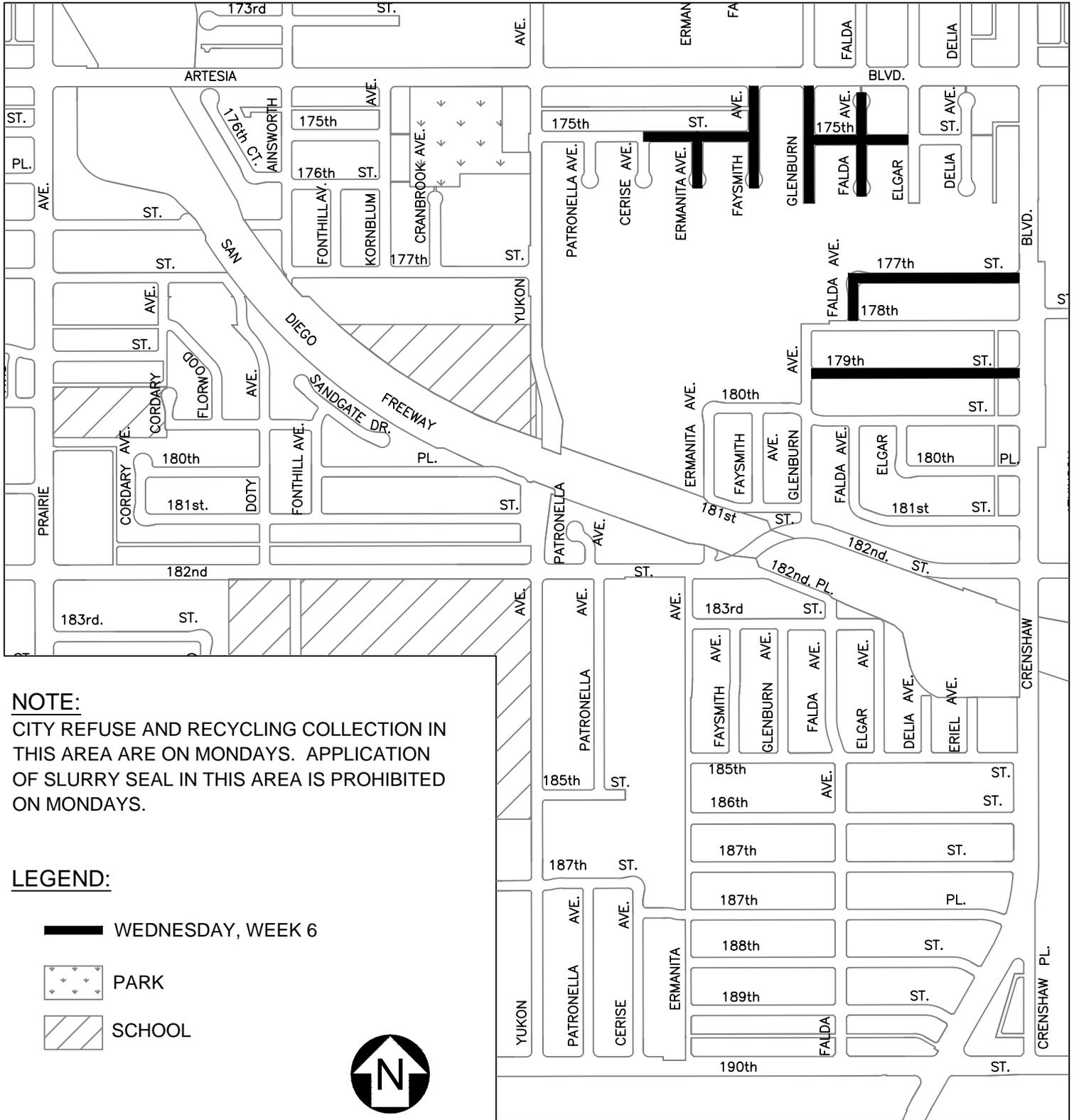
- LEGEND:**
-  WEDNESDAY, WEEK 5
  -  PARK
  -  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 WEDNESDAY, WEEK 6

 PARK

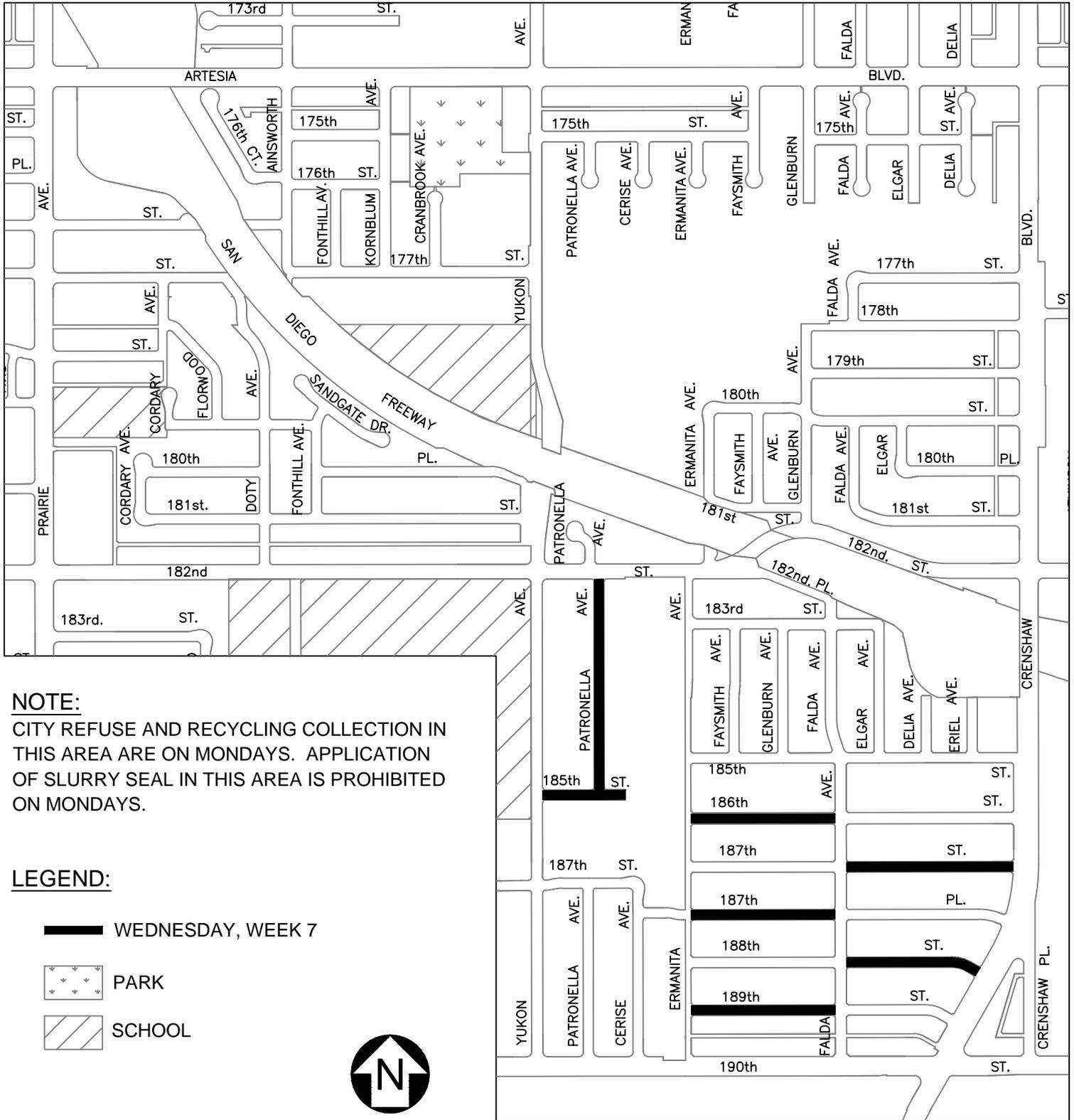
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 WEDNESDAY, WEEK 7

 PARK

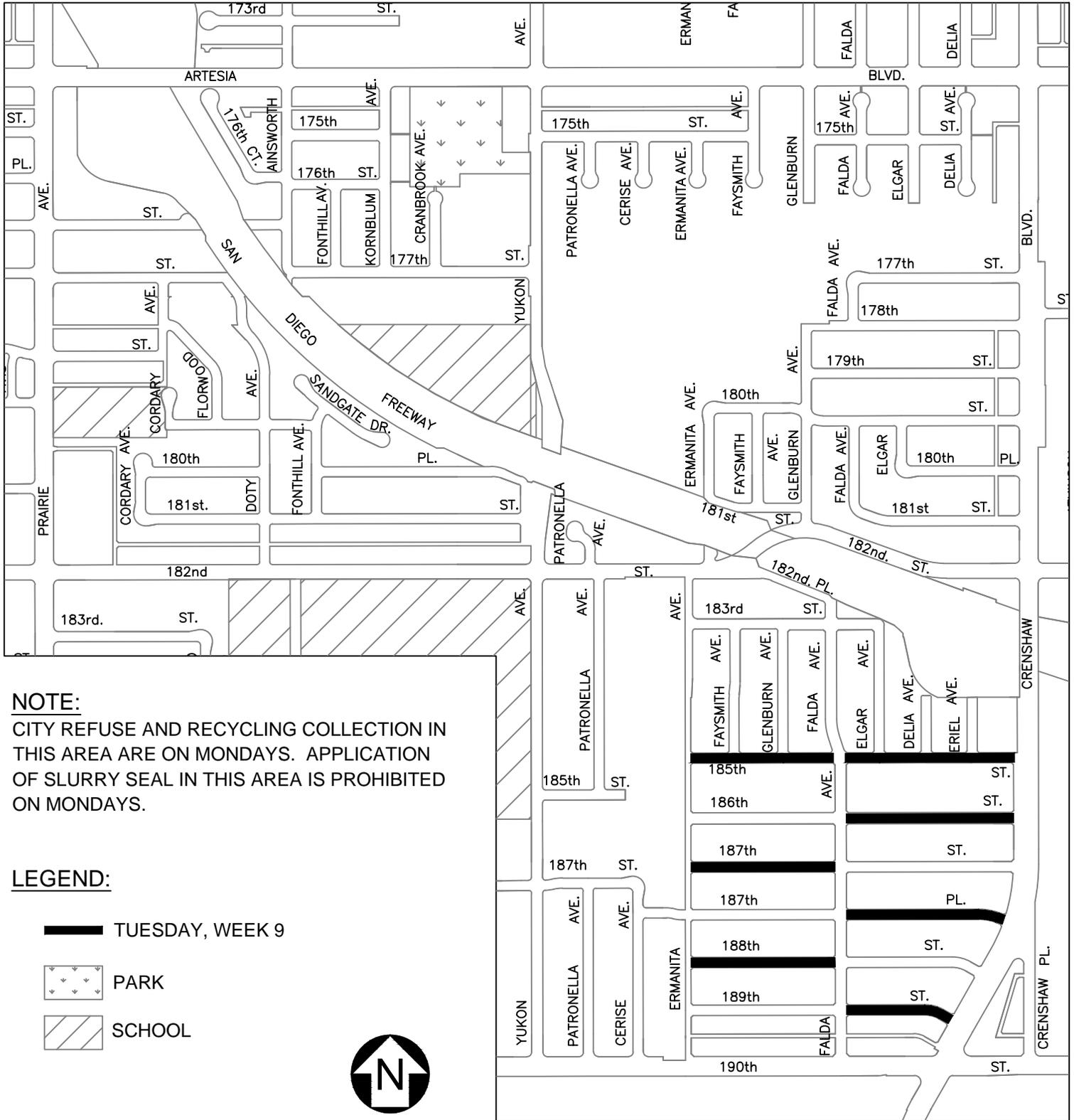
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 TUESDAY, WEEK 9

 PARK

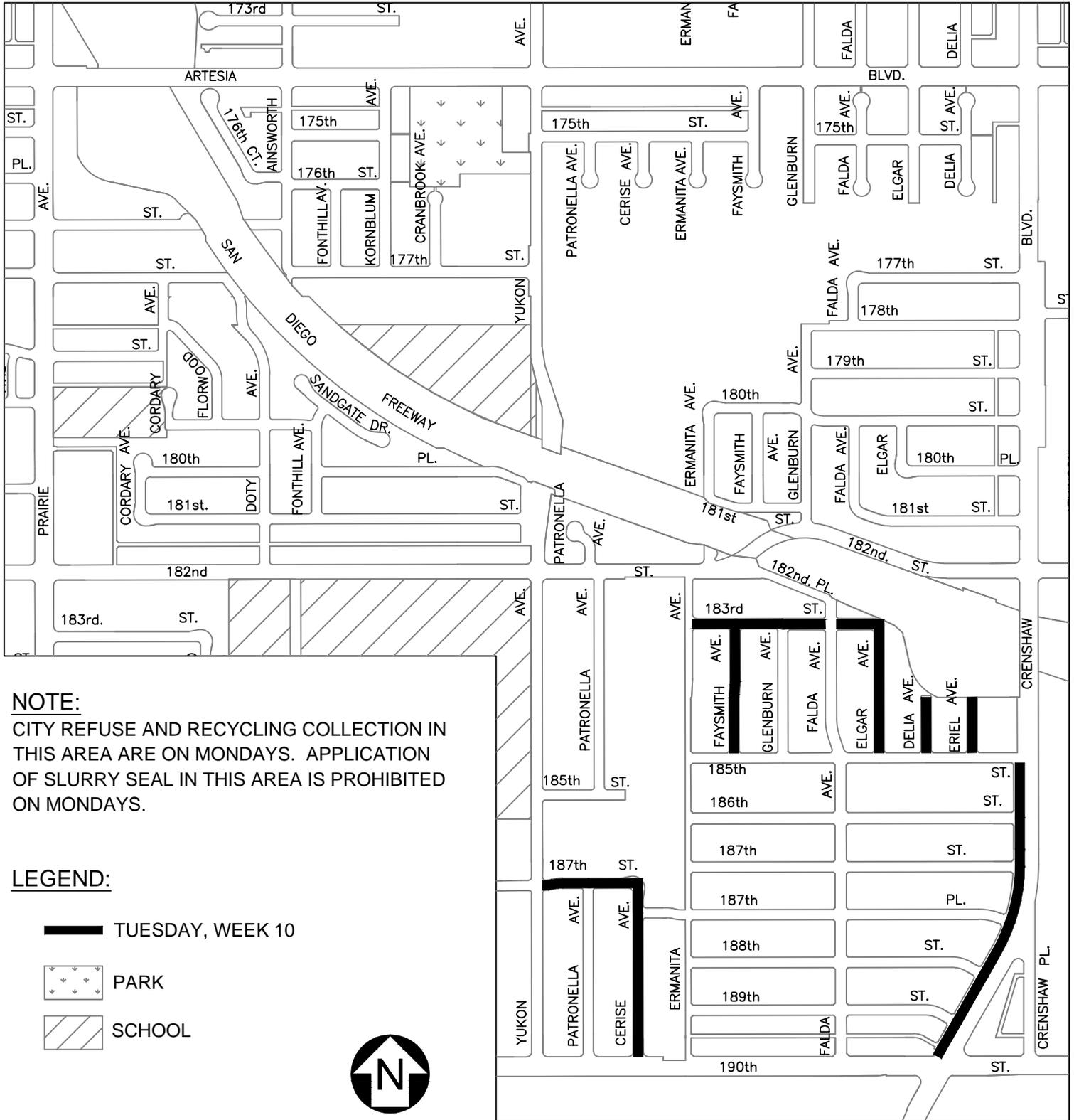
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 1



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

 TUESDAY, WEEK 10

 PARK

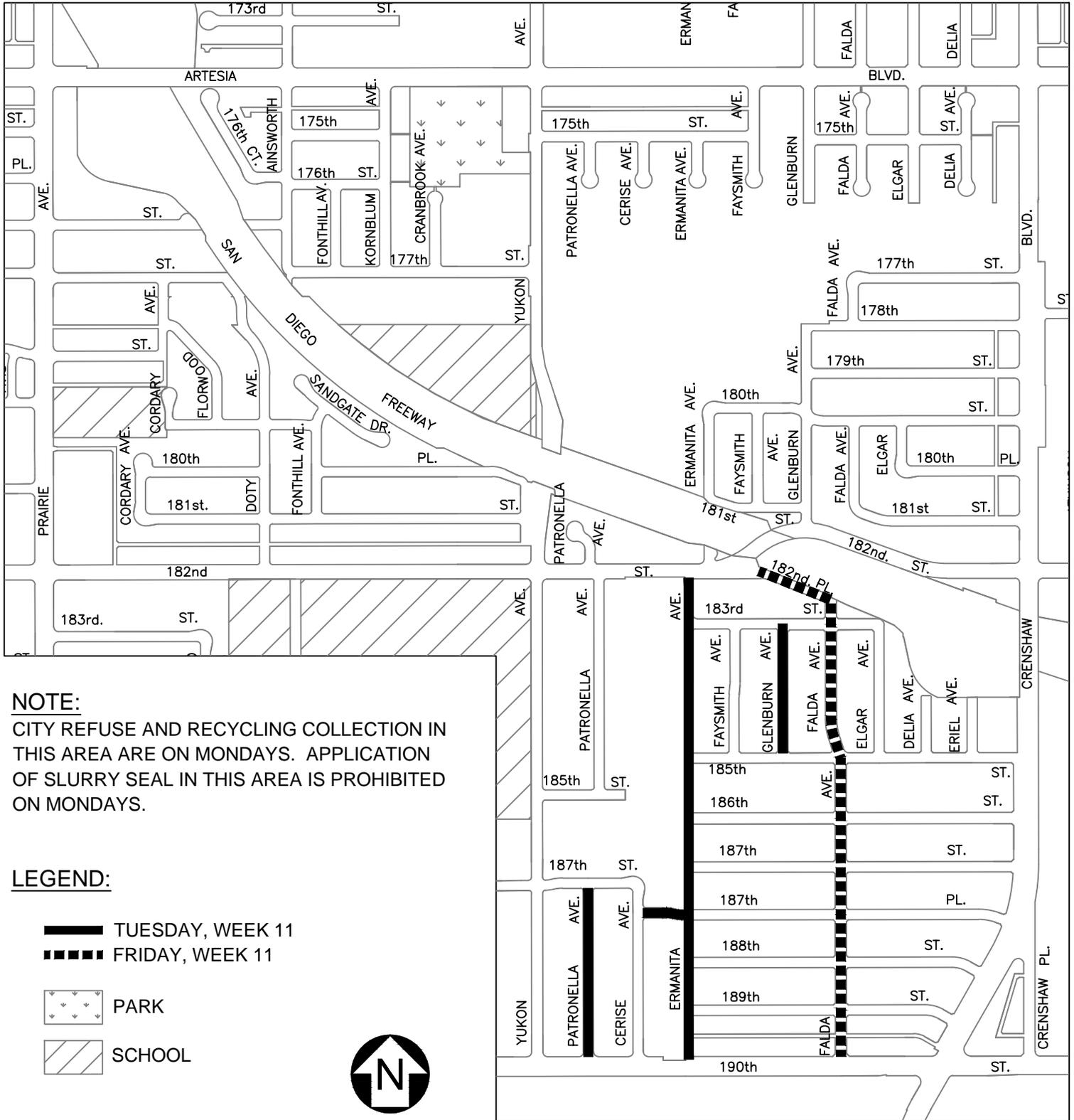
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

**AREA 1**



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON MONDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON MONDAYS.

**LEGEND:**

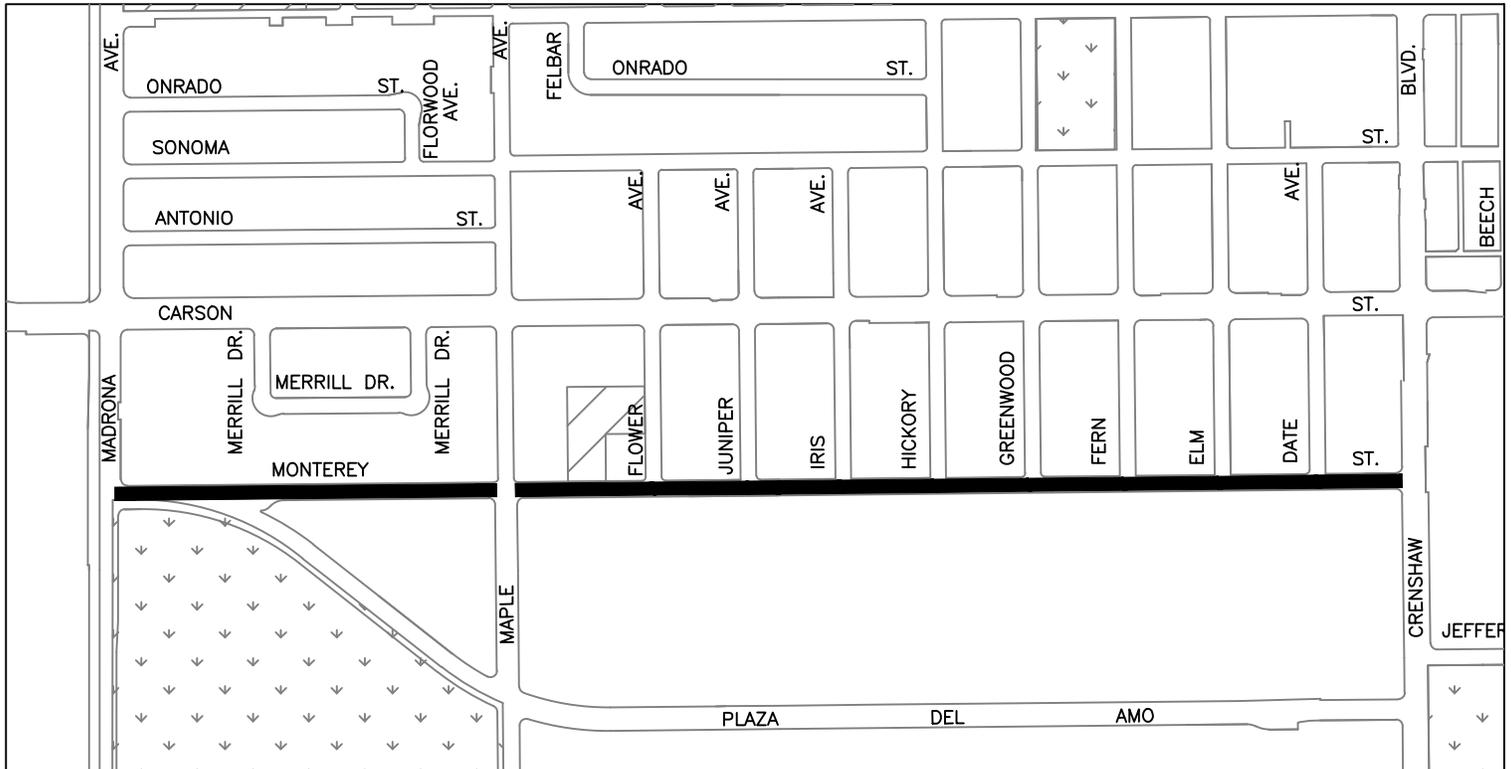
-  TUESDAY, WEEK 11
-  FRIDAY, WEEK 11
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

AREA ②



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

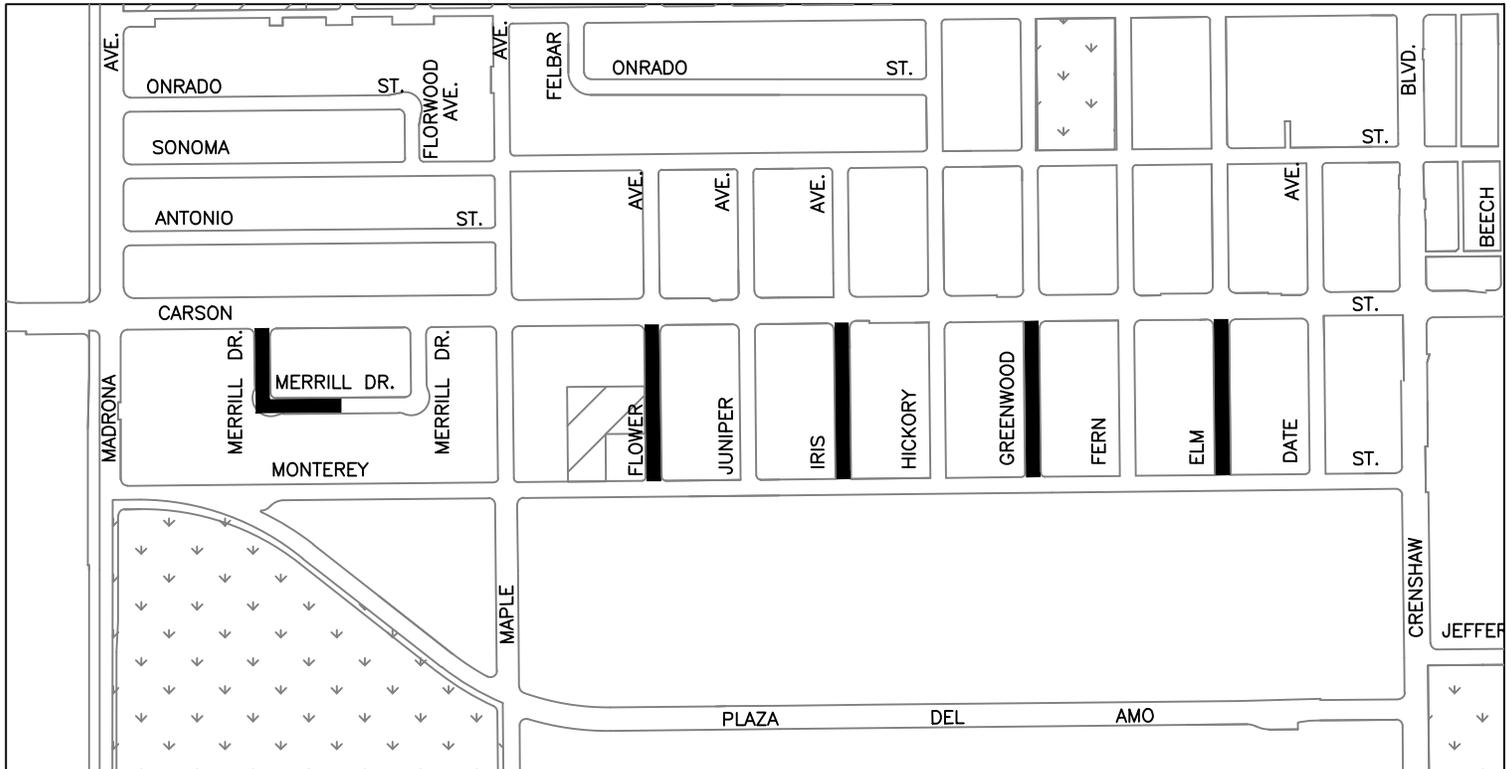
-  FRIDAY, WEEK 1
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

AREA ②



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

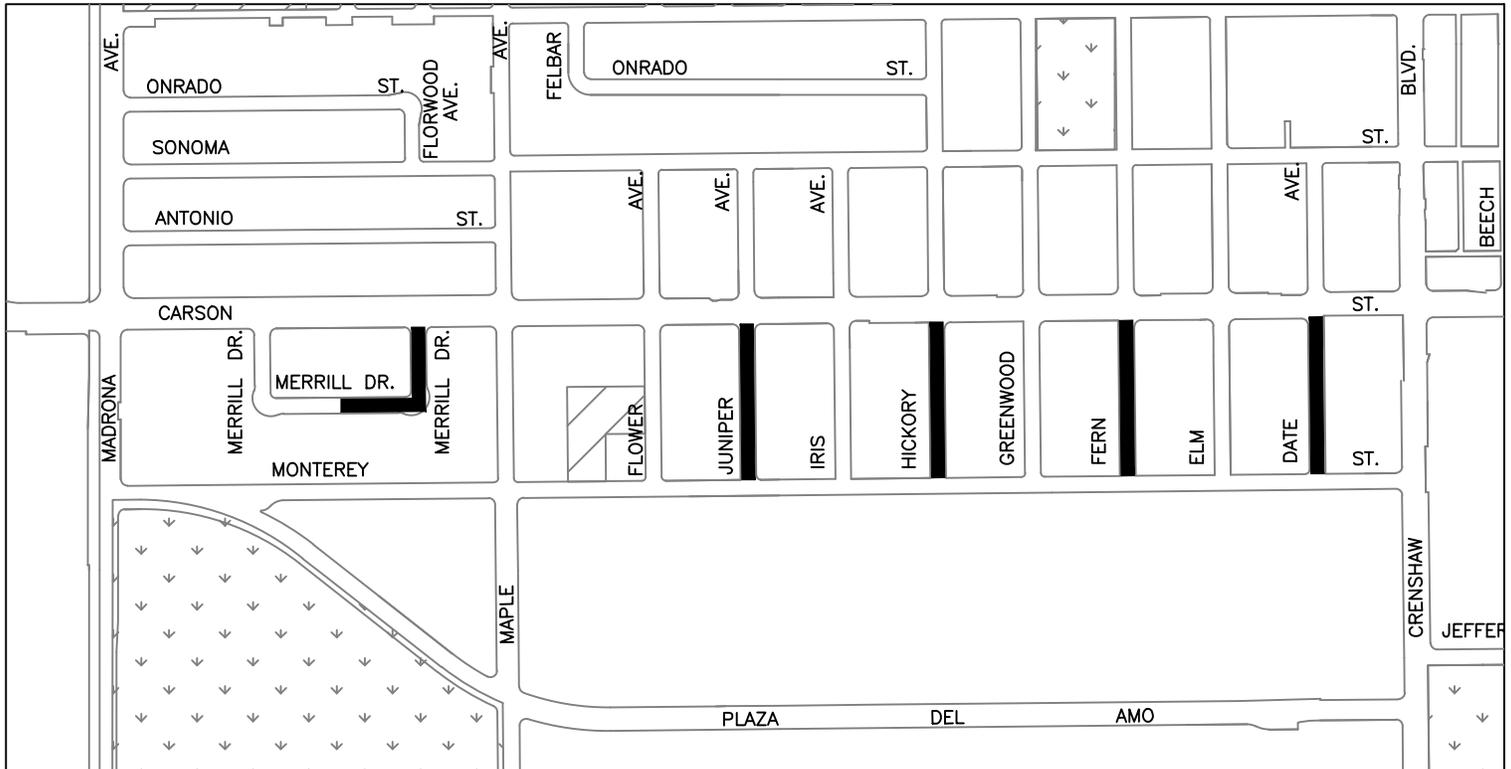
-  FRIDAY, WEEK 2
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

AREA ②



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

-  FRIDAY, WEEK 3
-  PARK
-  SCHOOL

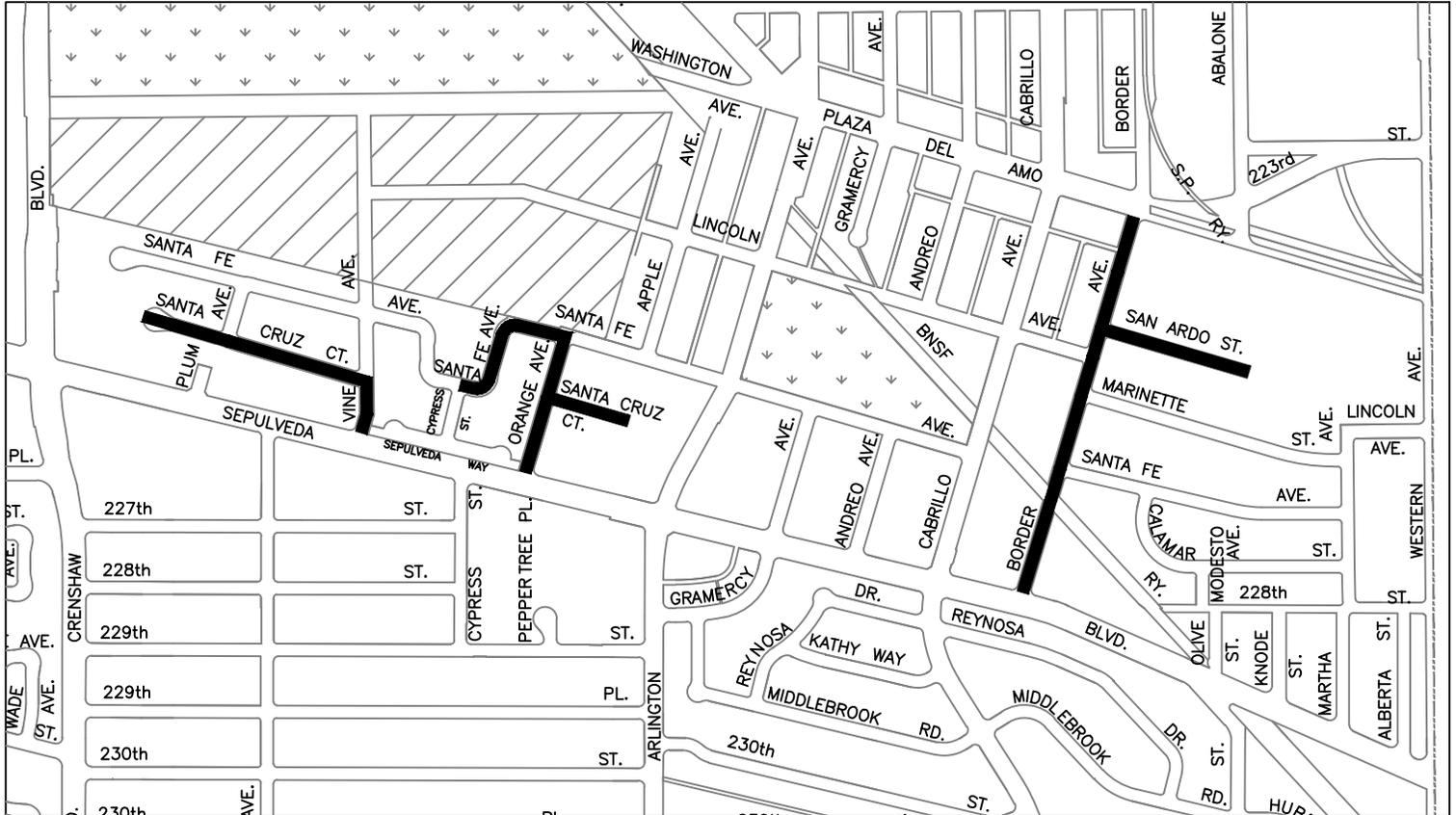


NO SCALE



CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 3



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

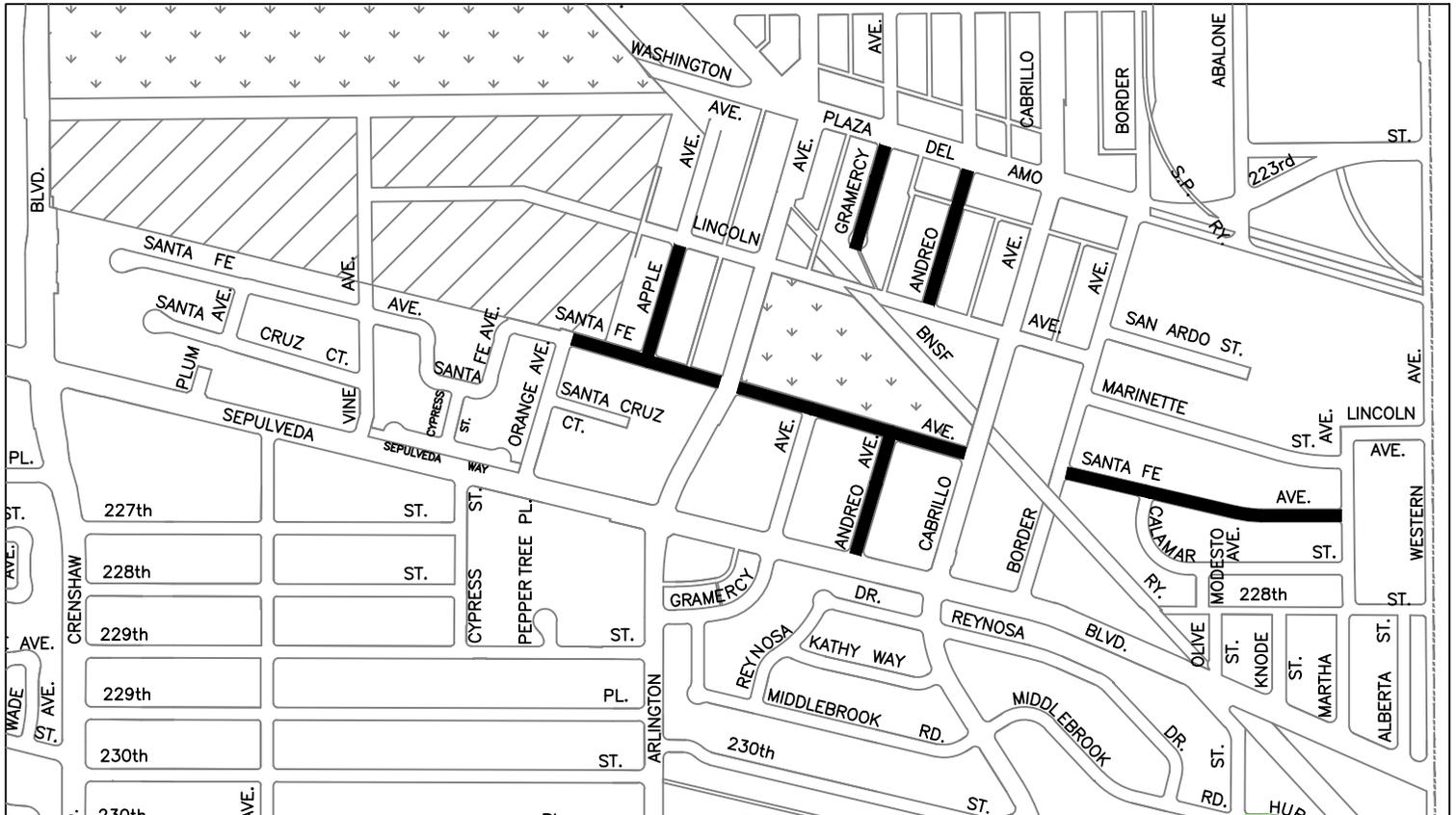
-  TUESDAY, WEEK 3
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 3



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

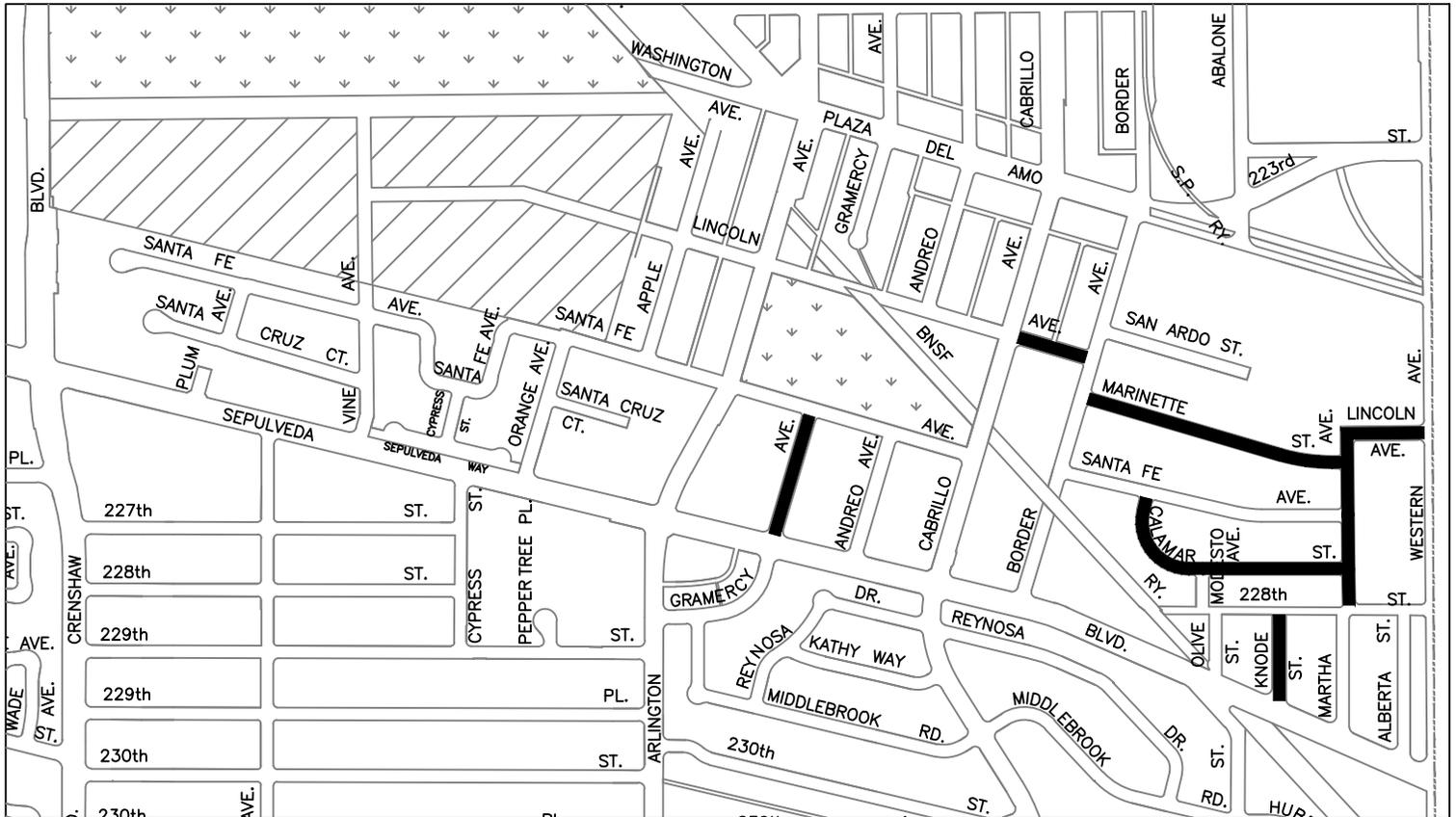
-  FRIDAY, WEEK 4
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 3



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

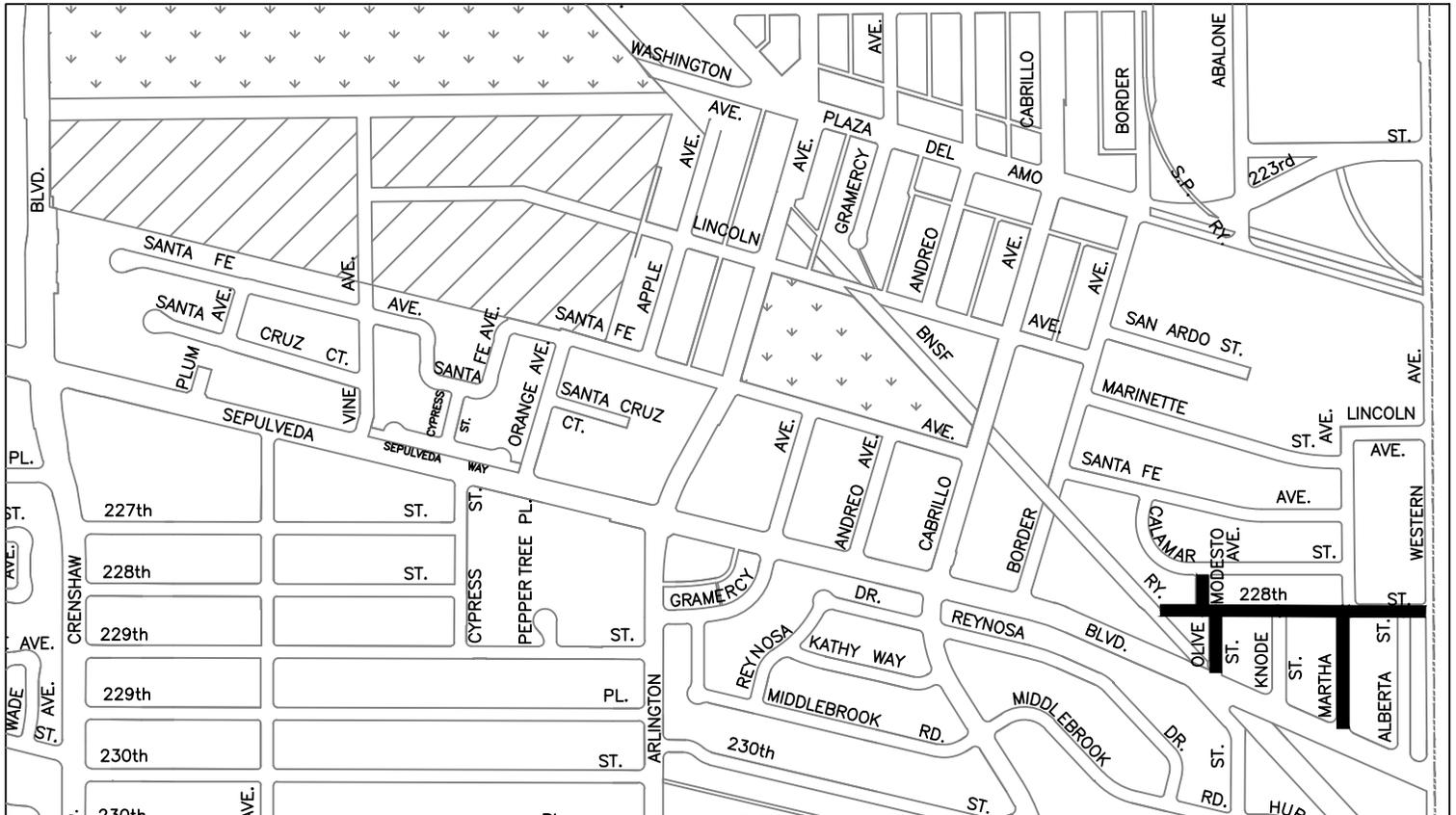
-  TUESDAY, WEEK 6
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 3



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

 TUESDAY, WEEK 8

 PARK

 SCHOOL



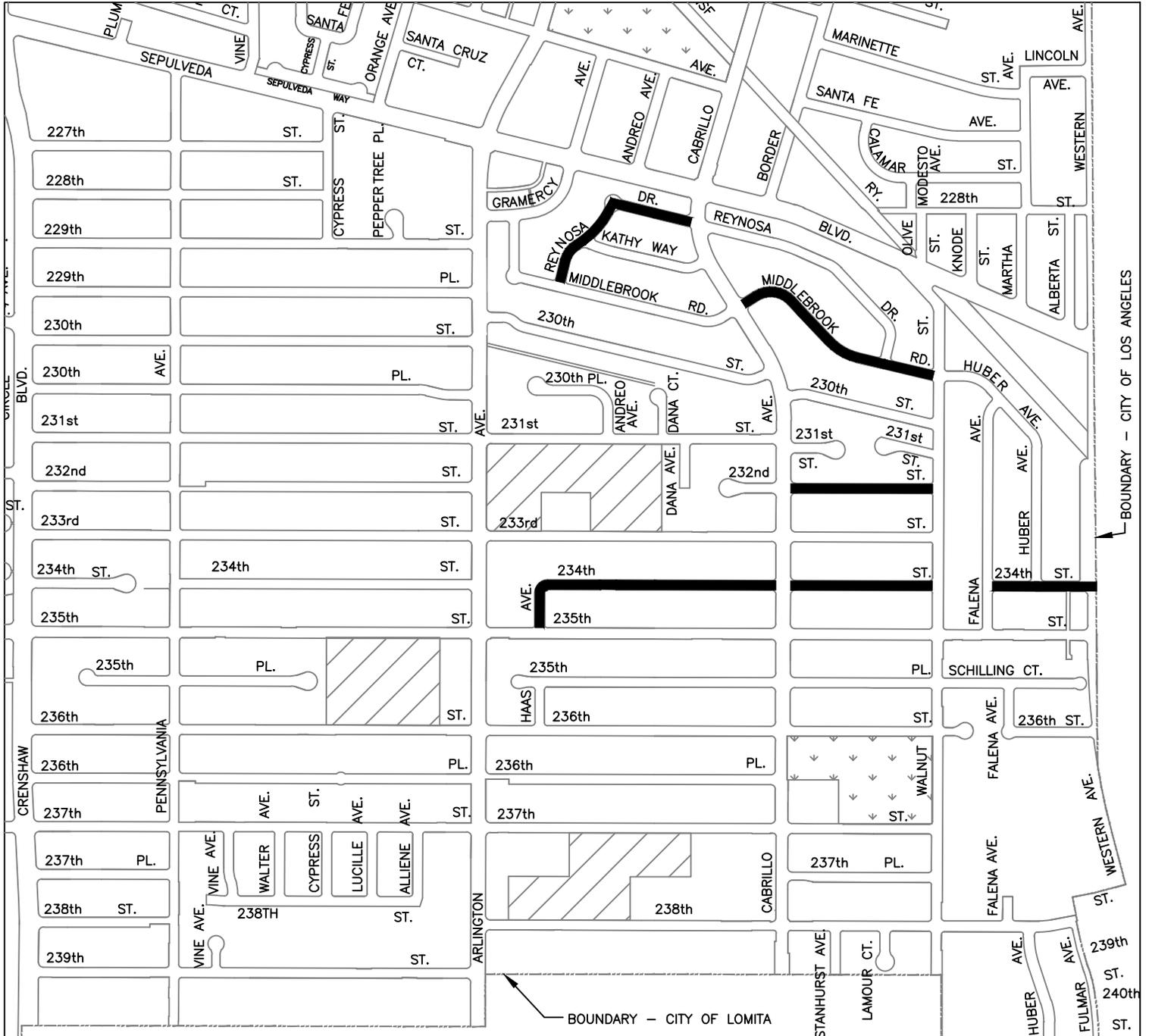
NO SCALE





CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

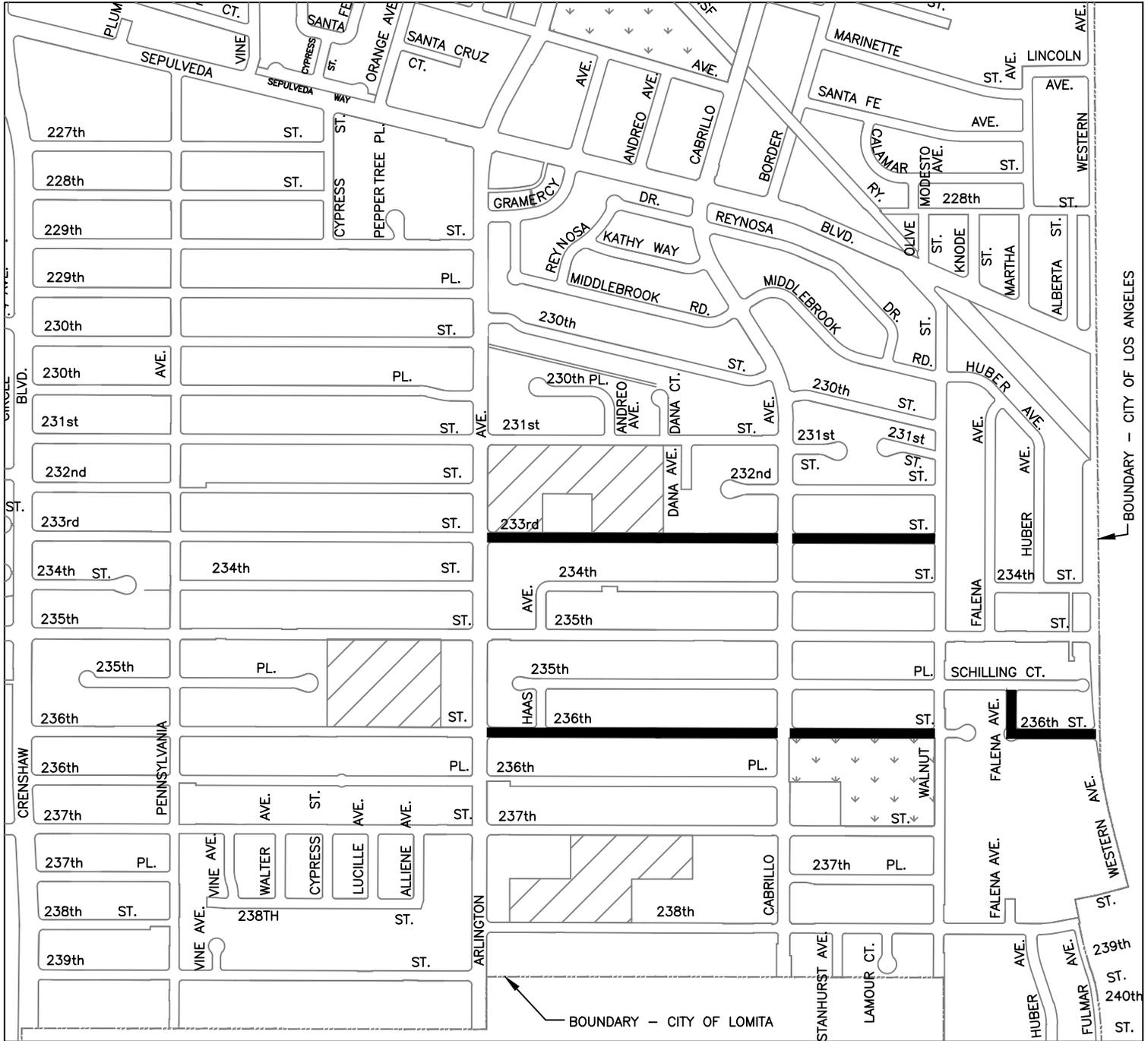
-  MONDAY, WEEK 2
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

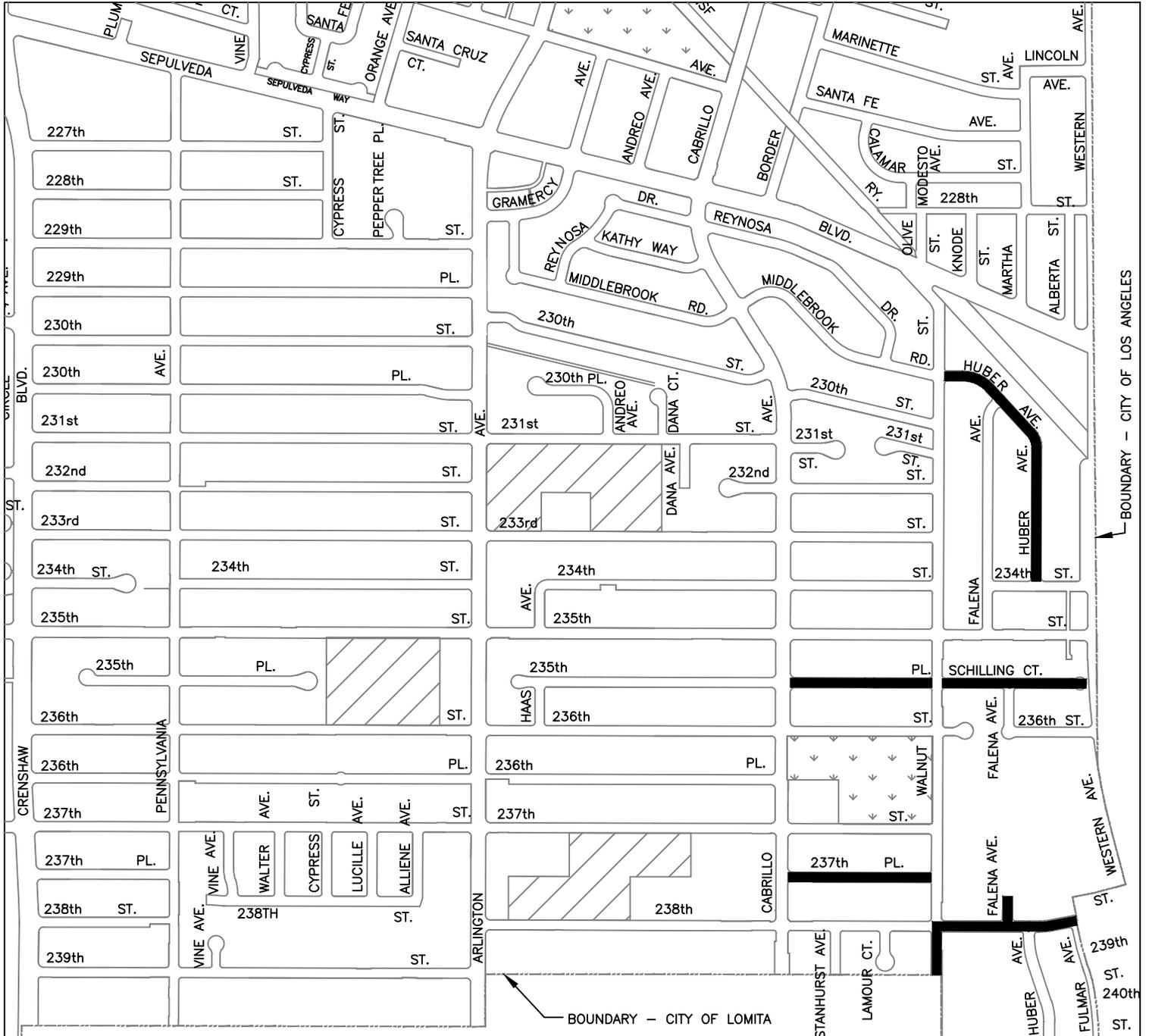
-  MONDAY, WEEK 3
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

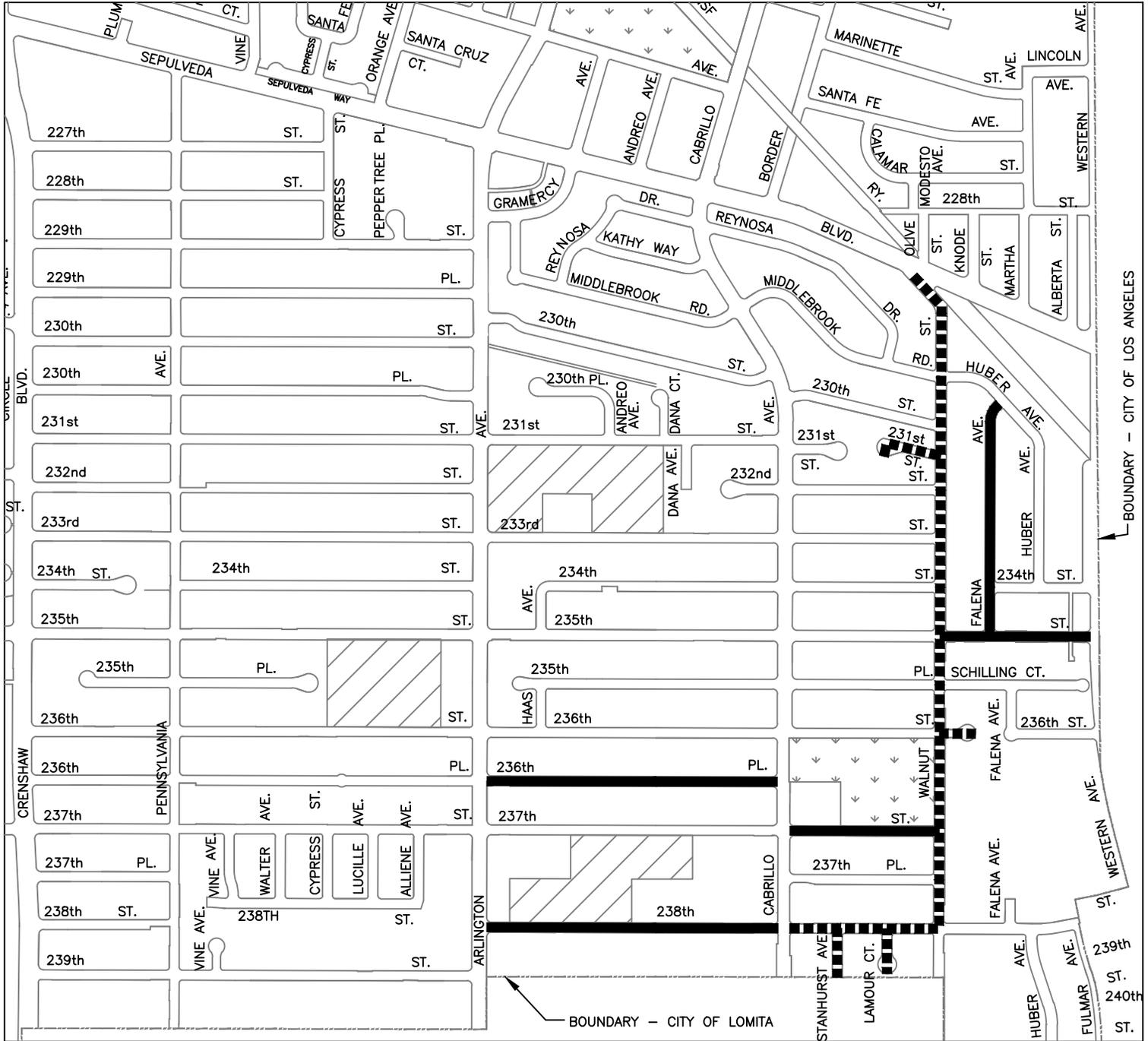
-  TUESDAY, WEEK 4
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

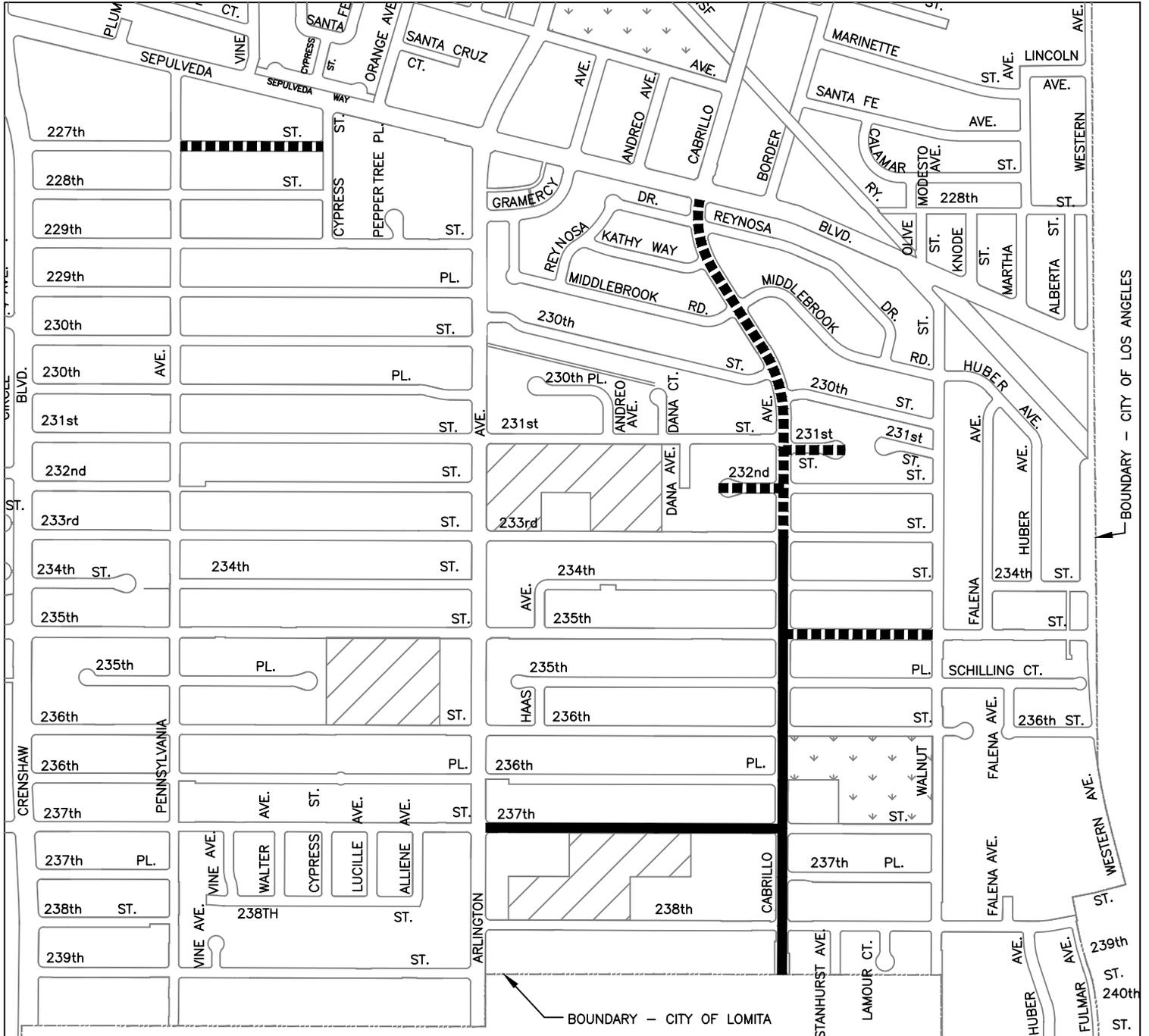
-  MONDAY, WEEK 5
-  FRIDAY, WEEK 5
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

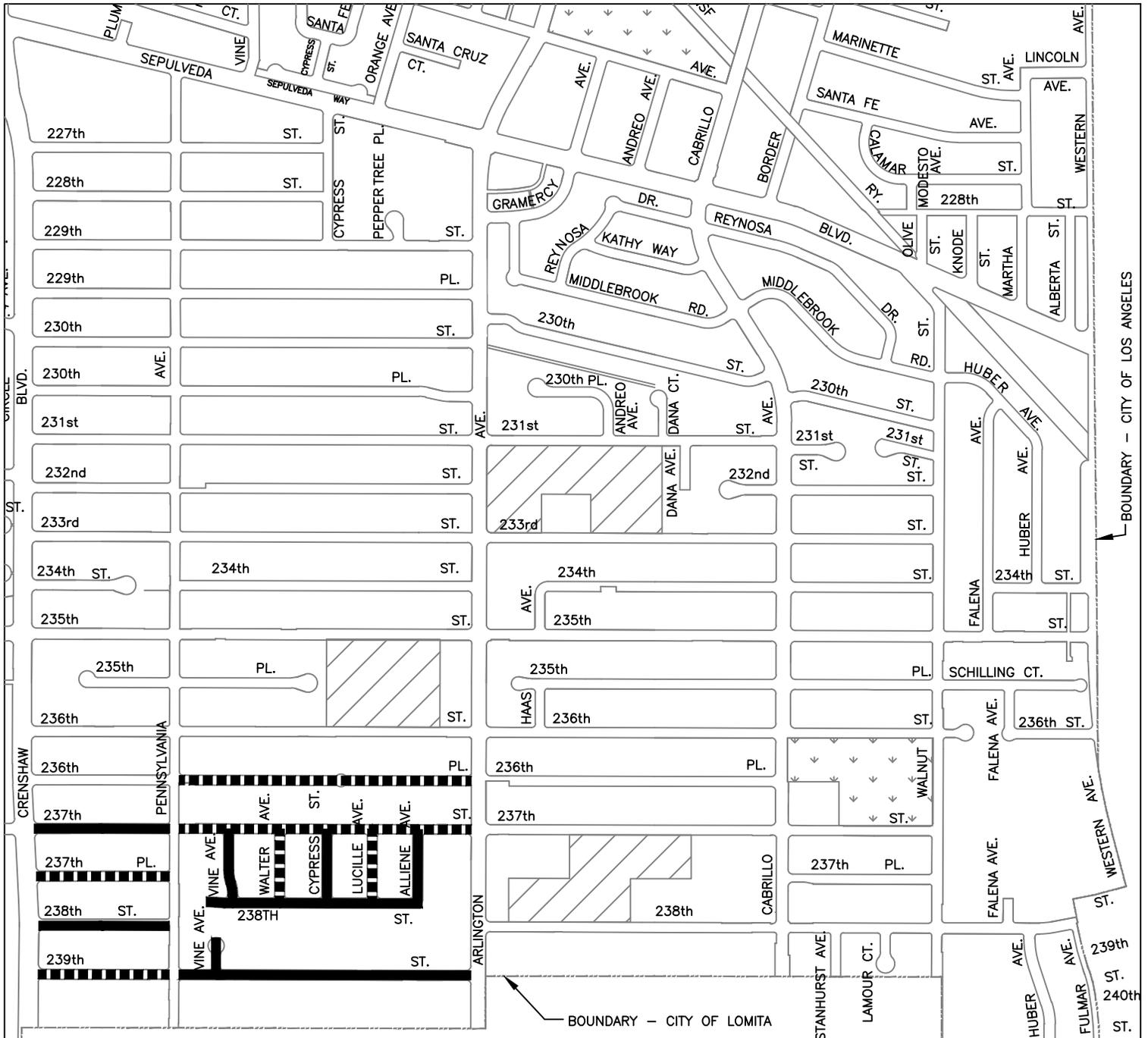
-  MONDAY, WEEK 6
-  FRIDAY, WEEK 6
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

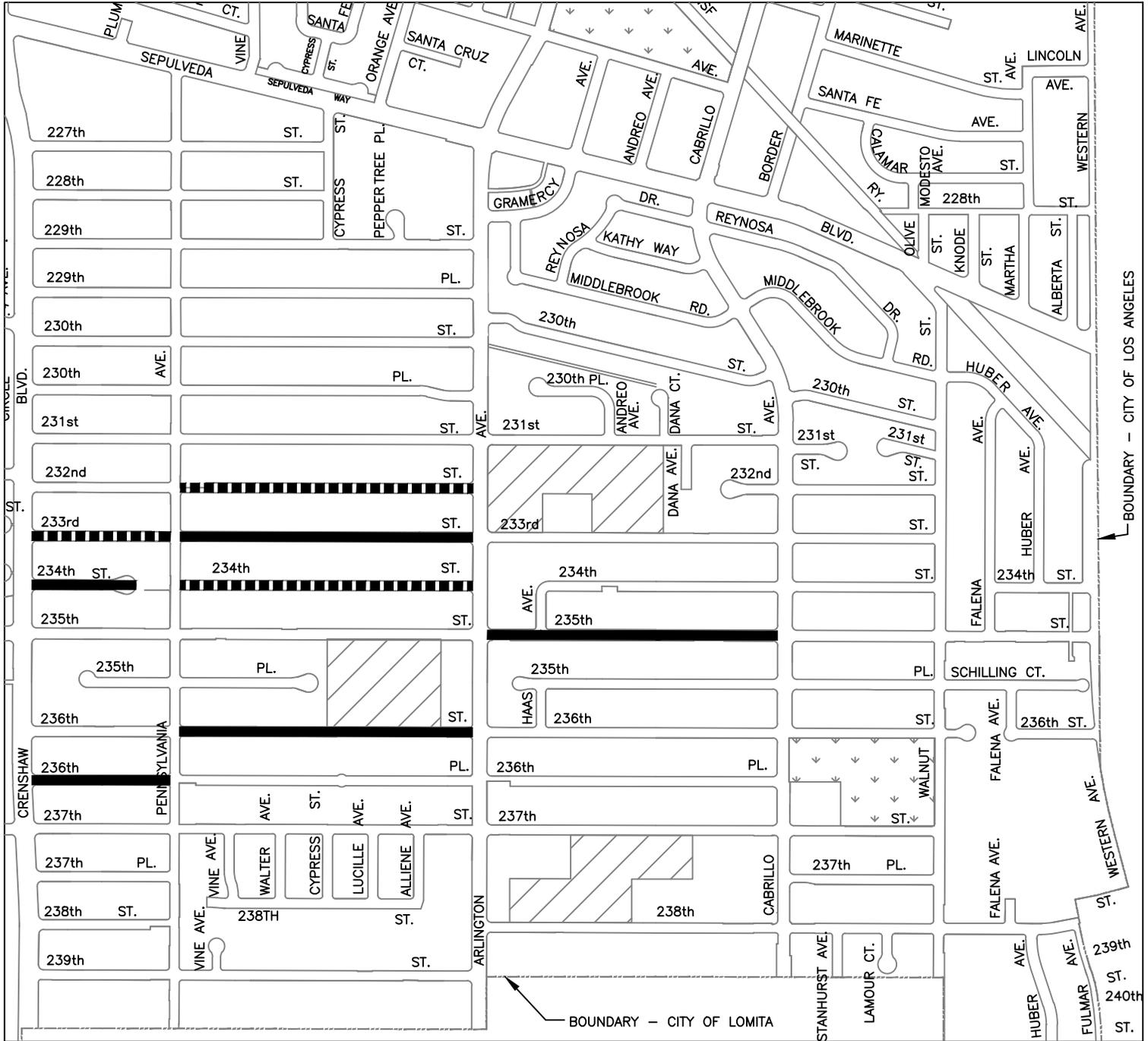
-  MONDAY, WEEK 7
-  FRIDAY, WEEK 7
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

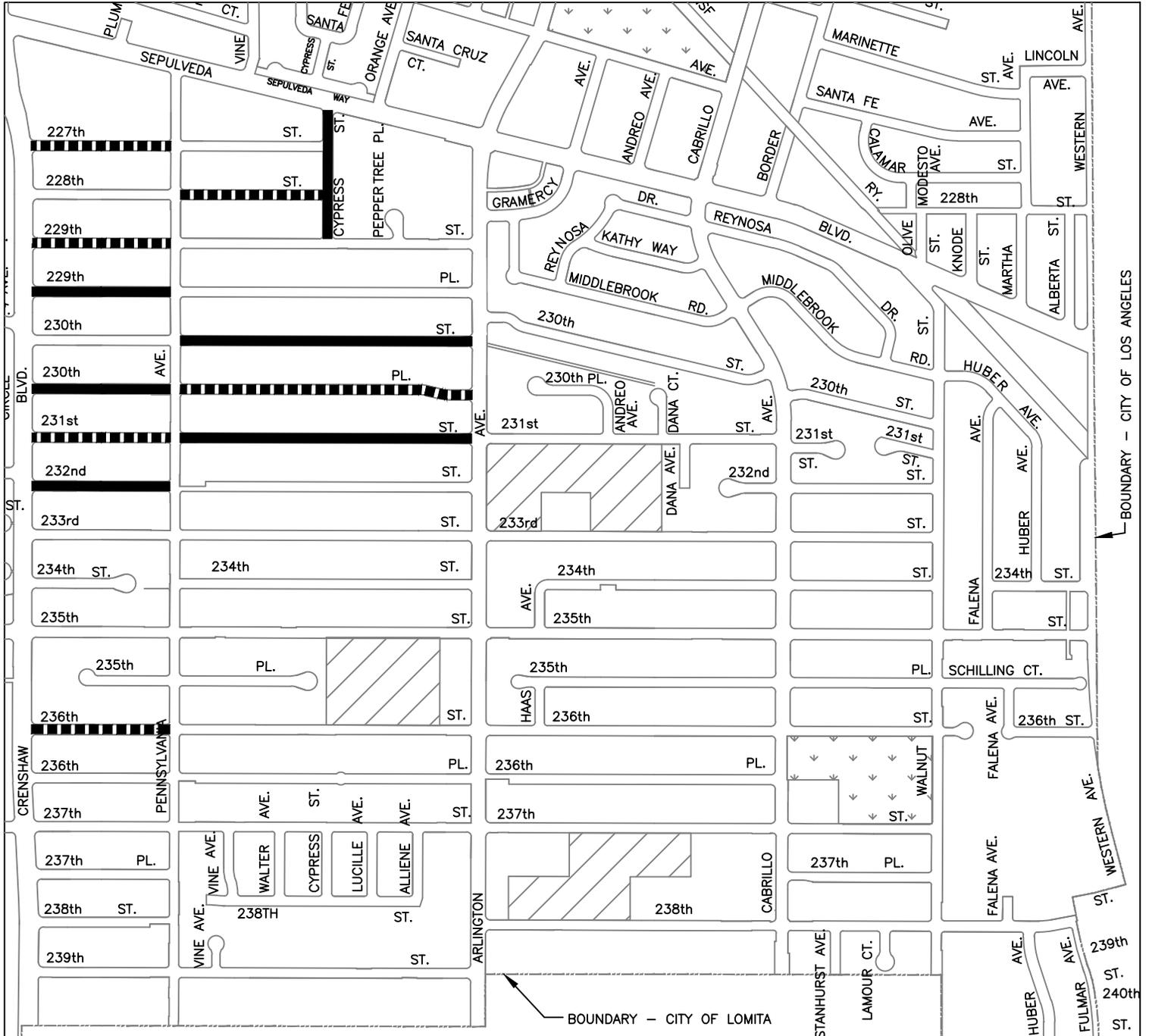
-  MONDAY, WEEK 8
-  TUESDAY, WEEK 8
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

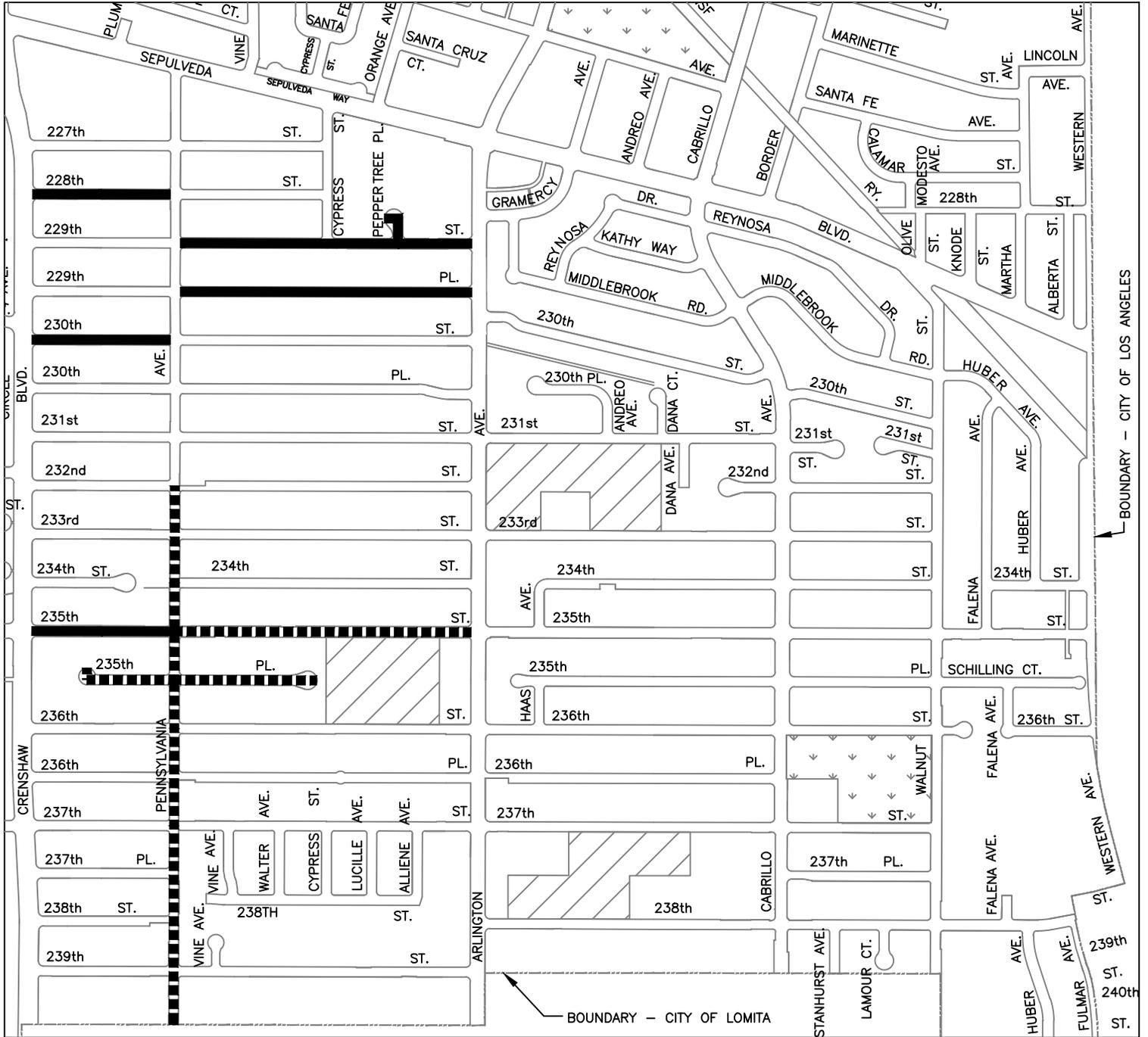
-  MONDAY, WEEK 9
-  FRIDAY, WEEK 9
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

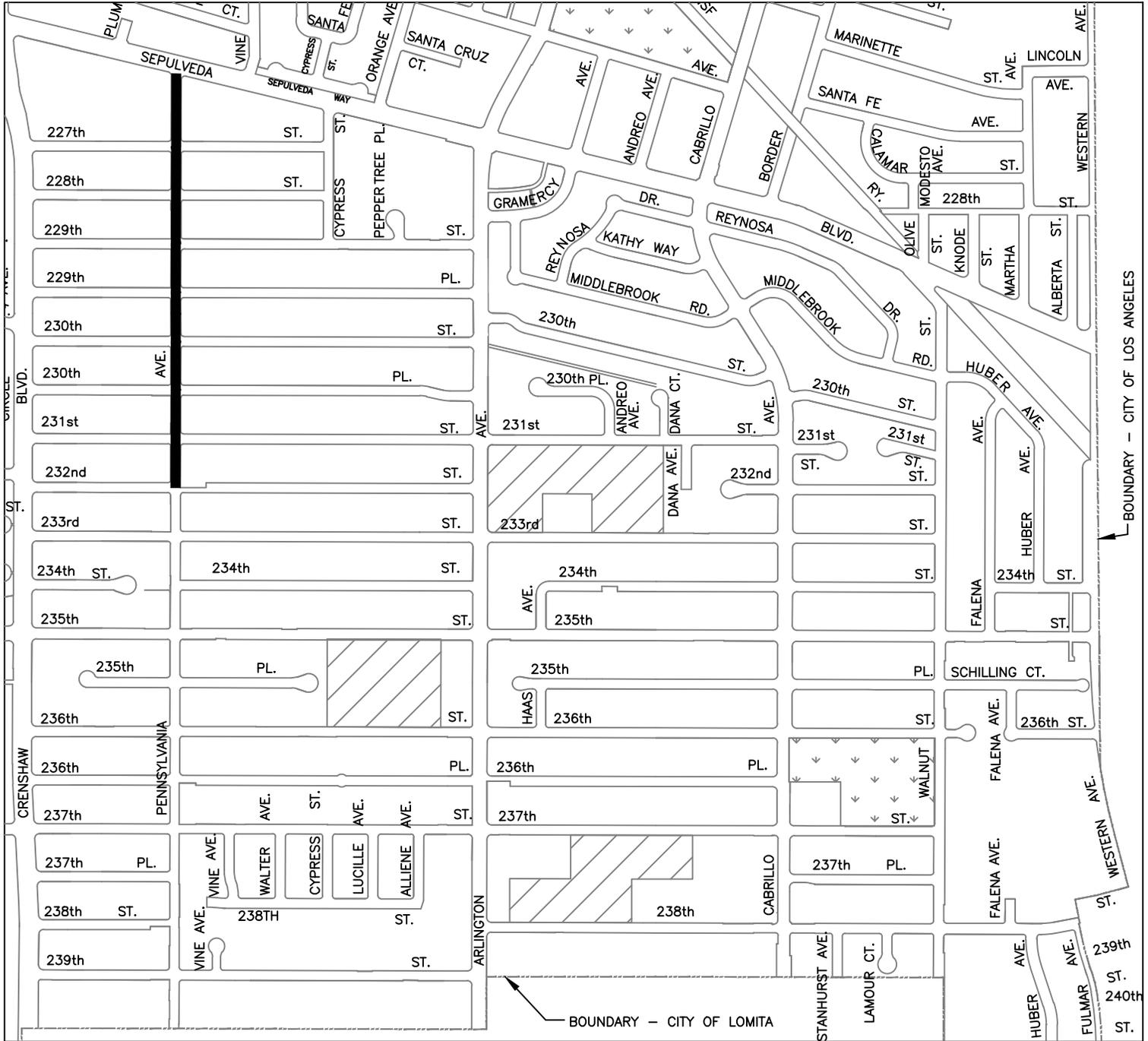
-  MONDAY, WEEK 10
-  FRIDAY, WEEK 10
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 4



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

-  MONDAY, WEEK 12
-  PARK
-  SCHOOL



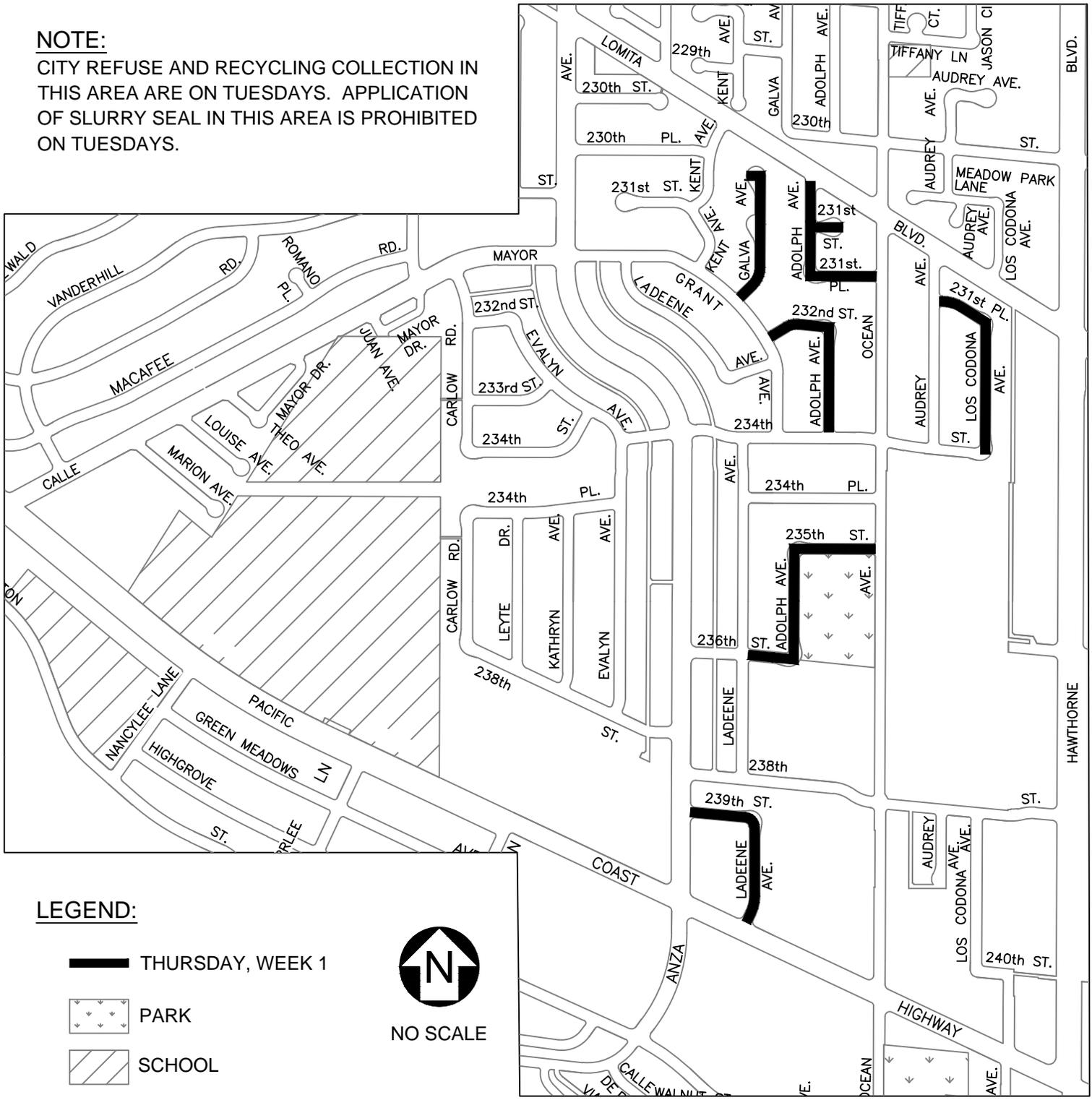
NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 5

**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

 THURSDAY, WEEK 1

 PARK

 SCHOOL



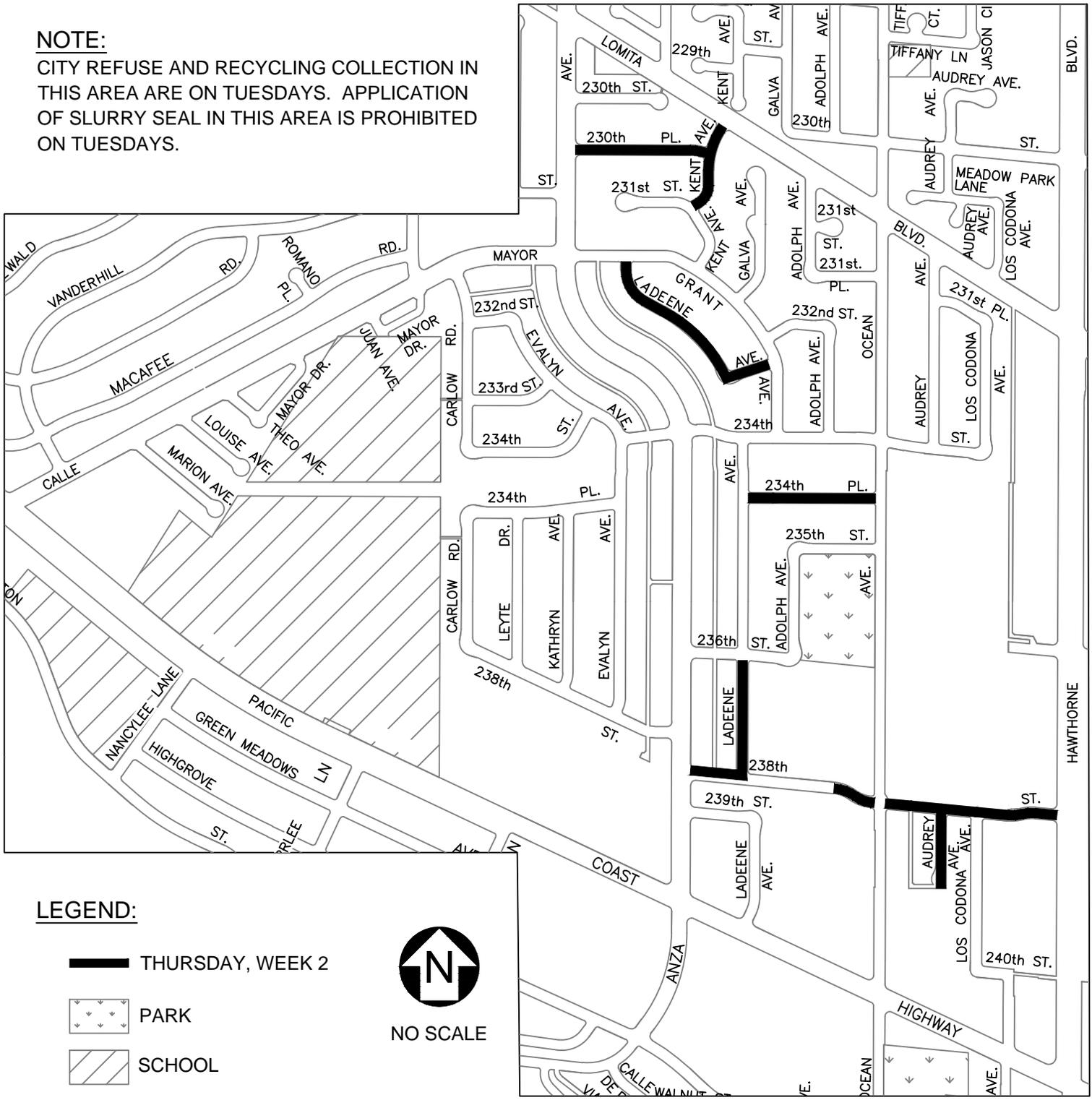
NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 5

**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

 THURSDAY, WEEK 2

 PARK

 SCHOOL



NO SCALE

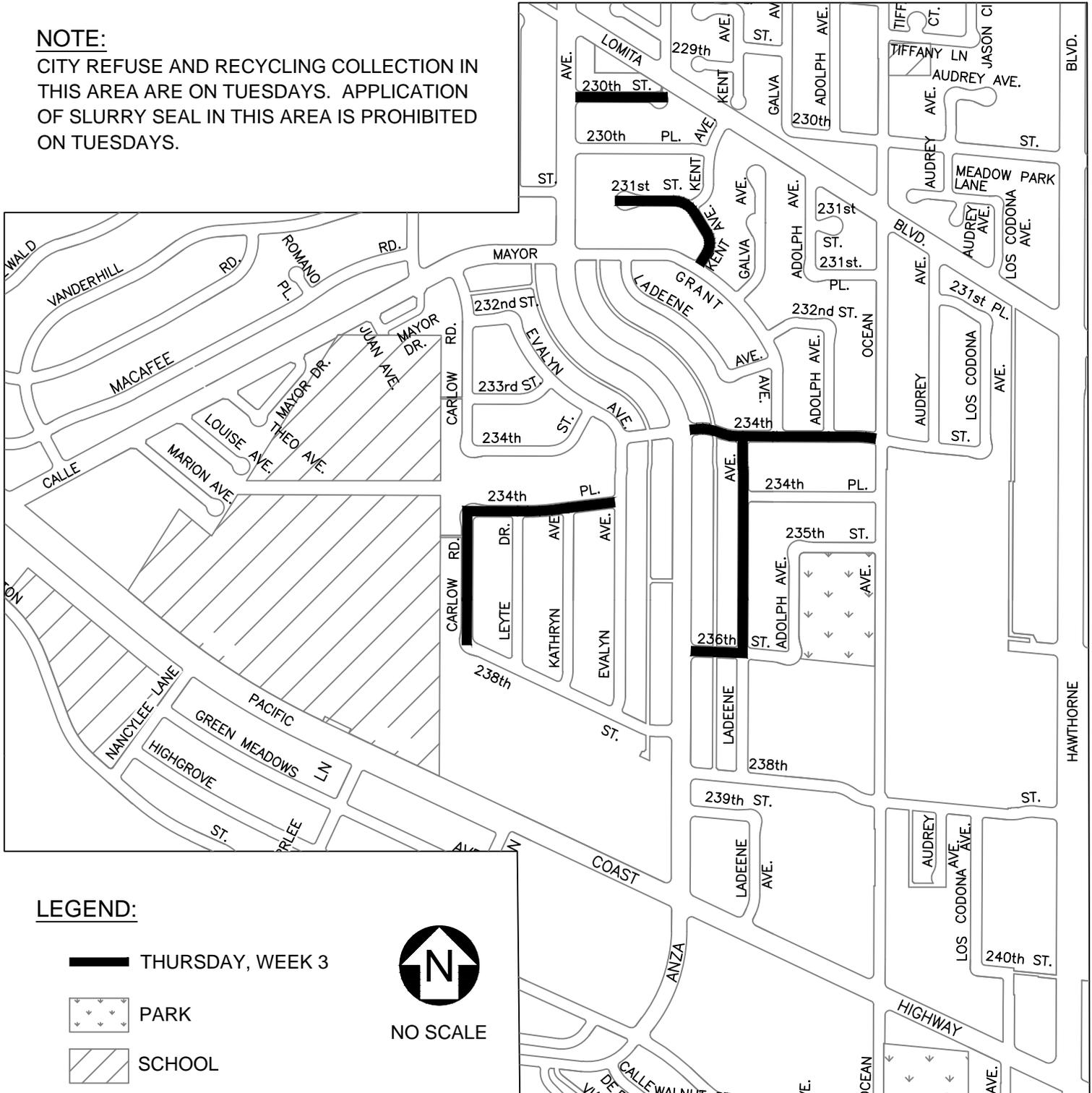
# CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT

## 2015 Residential Slurry Seal Program, I-159

### STREET DETAIL AREA MAP

AREA 5

**NOTE:**  
 CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

THURSDAY, WEEK 3

PARK

SCHOOL



NO SCALE

# CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT

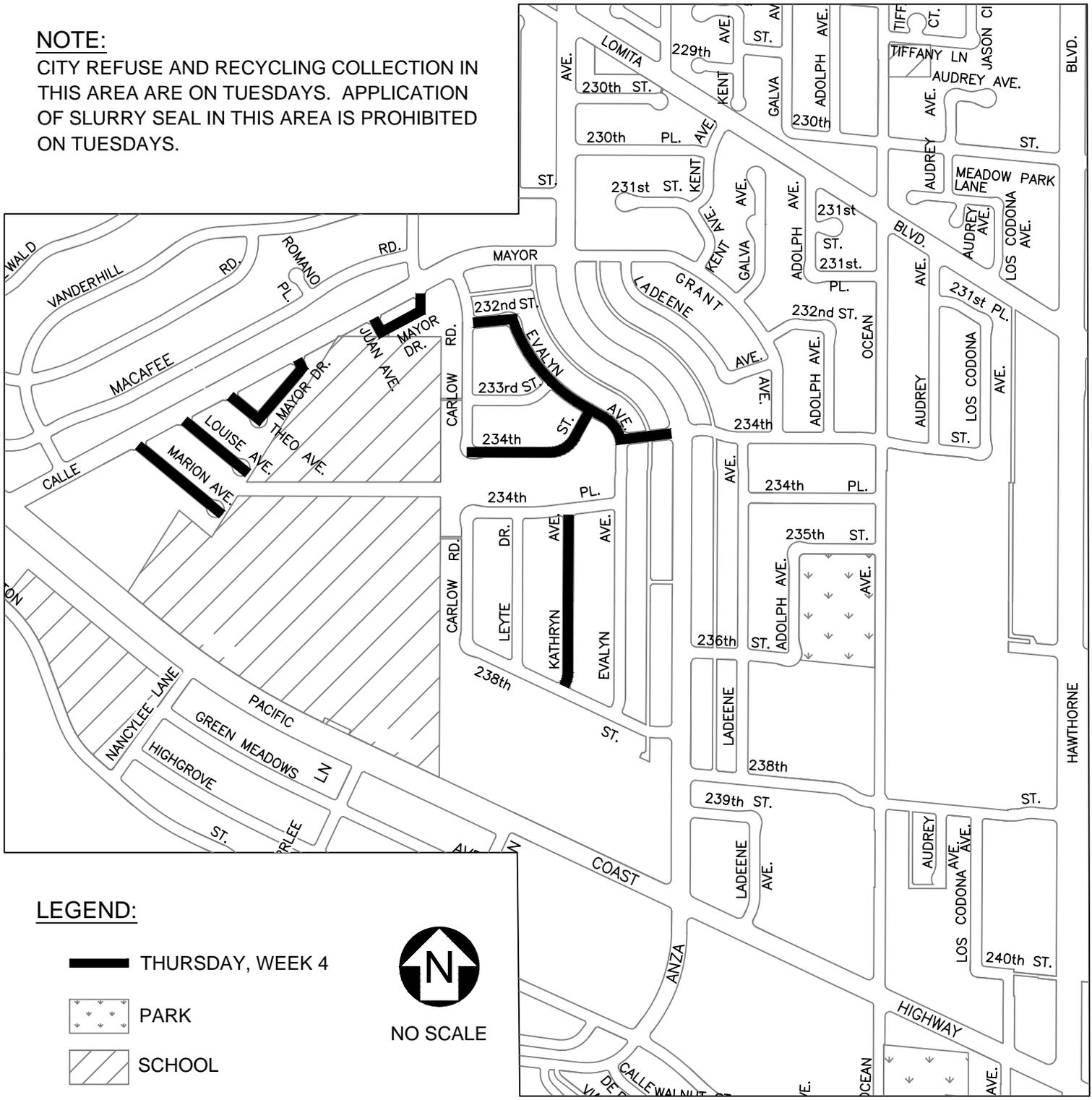
## 2015 Residential Slurry Seal Program, I-159

### STREET DETAIL AREA MAP

AREA 5

**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

THURSDAY, WEEK 4

PARK

SCHOOL



NO SCALE

# CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT

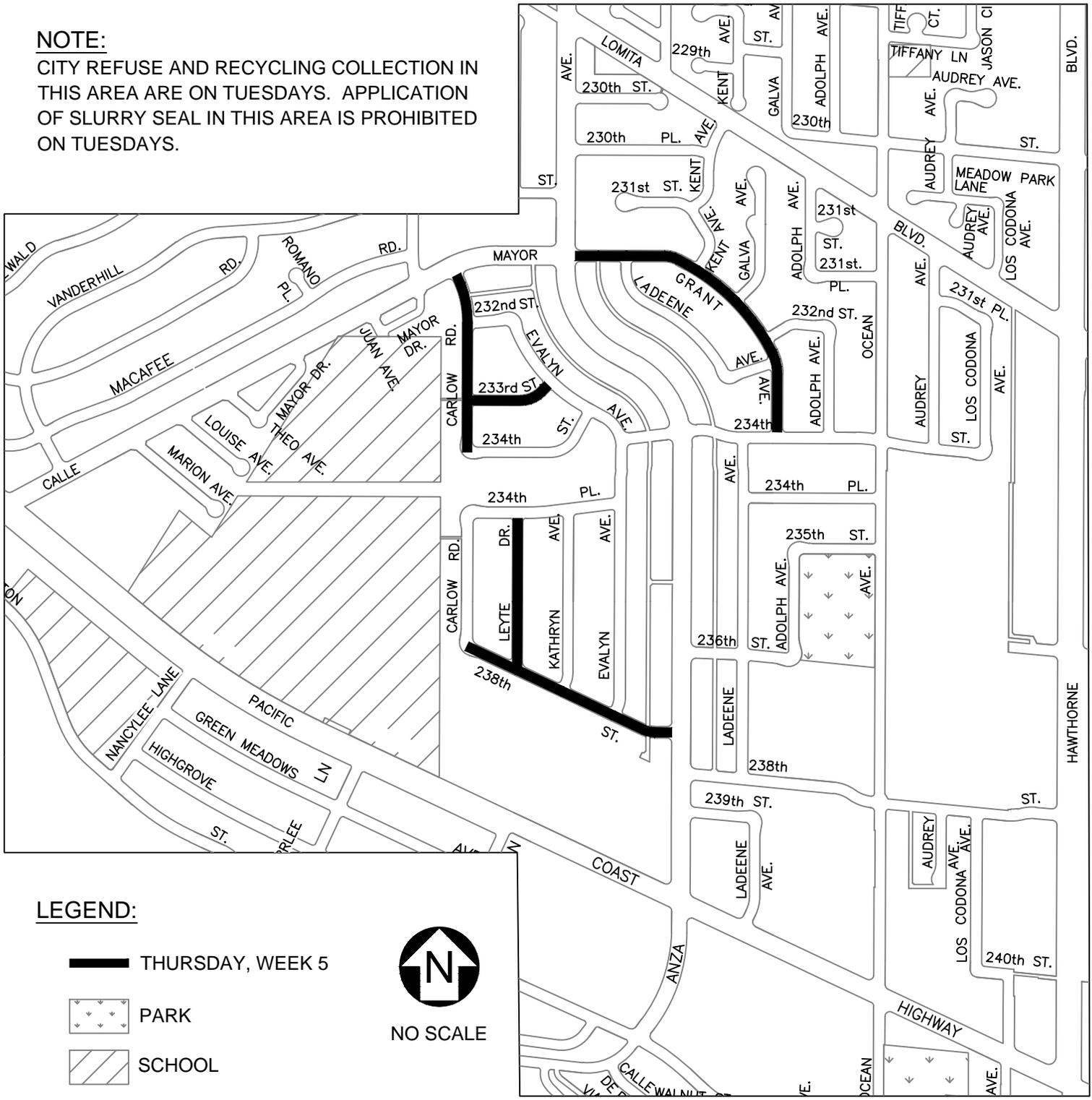
## 2015 Residential Slurry Seal Program, I-159

### STREET DETAIL AREA MAP

**AREA 5**

**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

THURSDAY, WEEK 5

PARK

SCHOOL



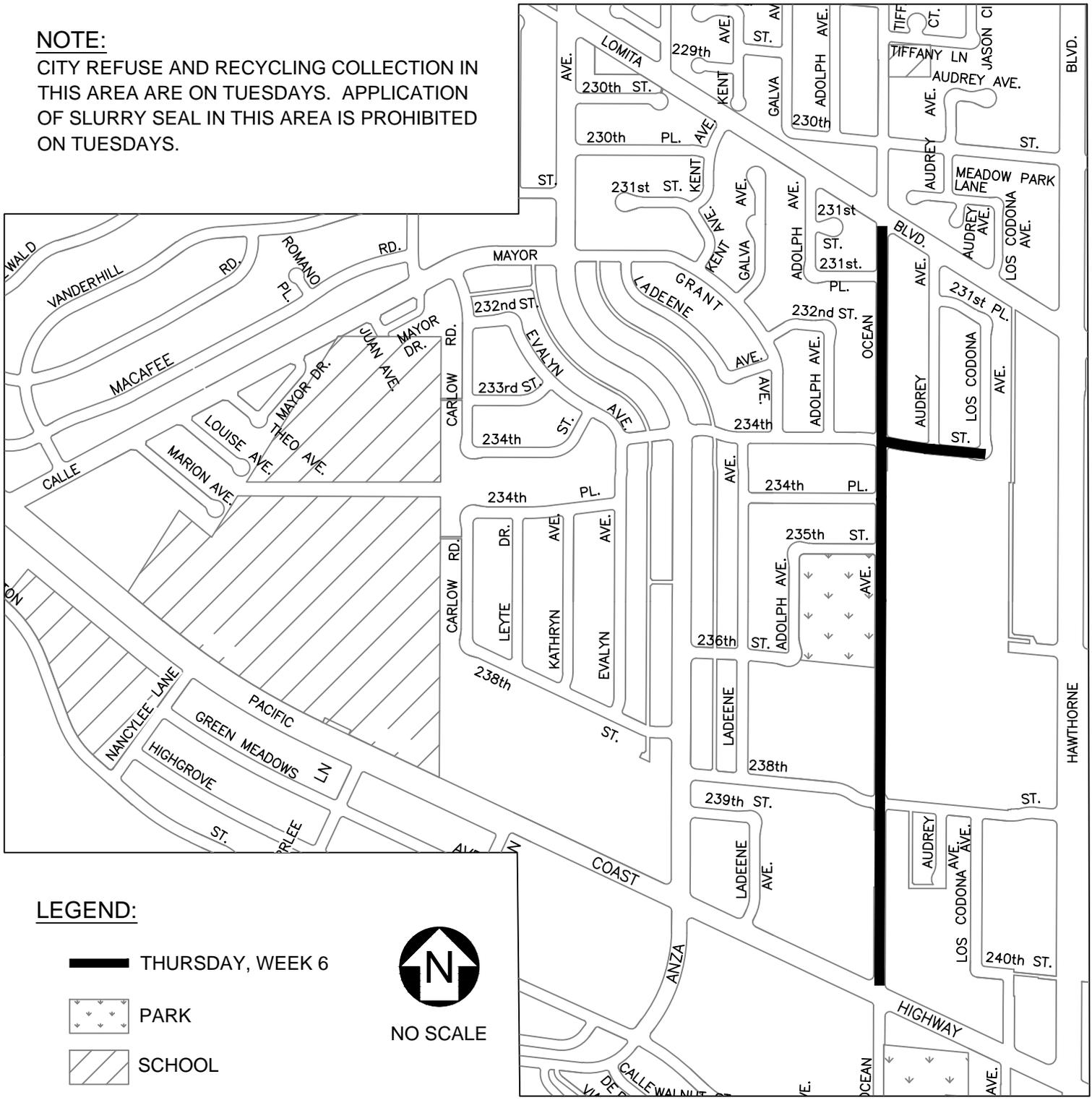
NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 5

**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON TUESDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON TUESDAYS.



**LEGEND:**

 THURSDAY, WEEK 6

 PARK

 SCHOOL



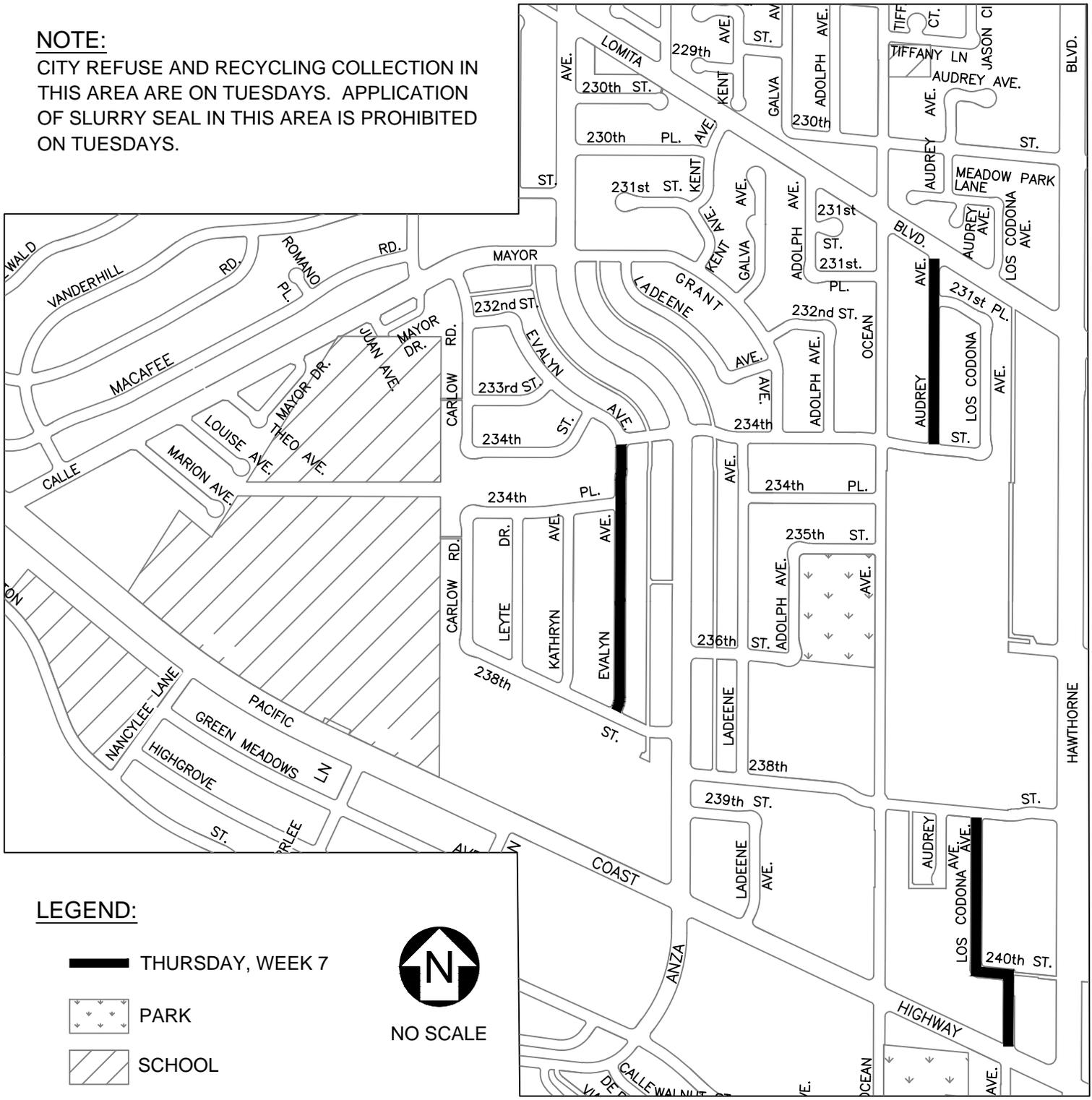
NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 5

**NOTE:**

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**LEGEND:**

 THURSDAY, WEEK 7

 PARK

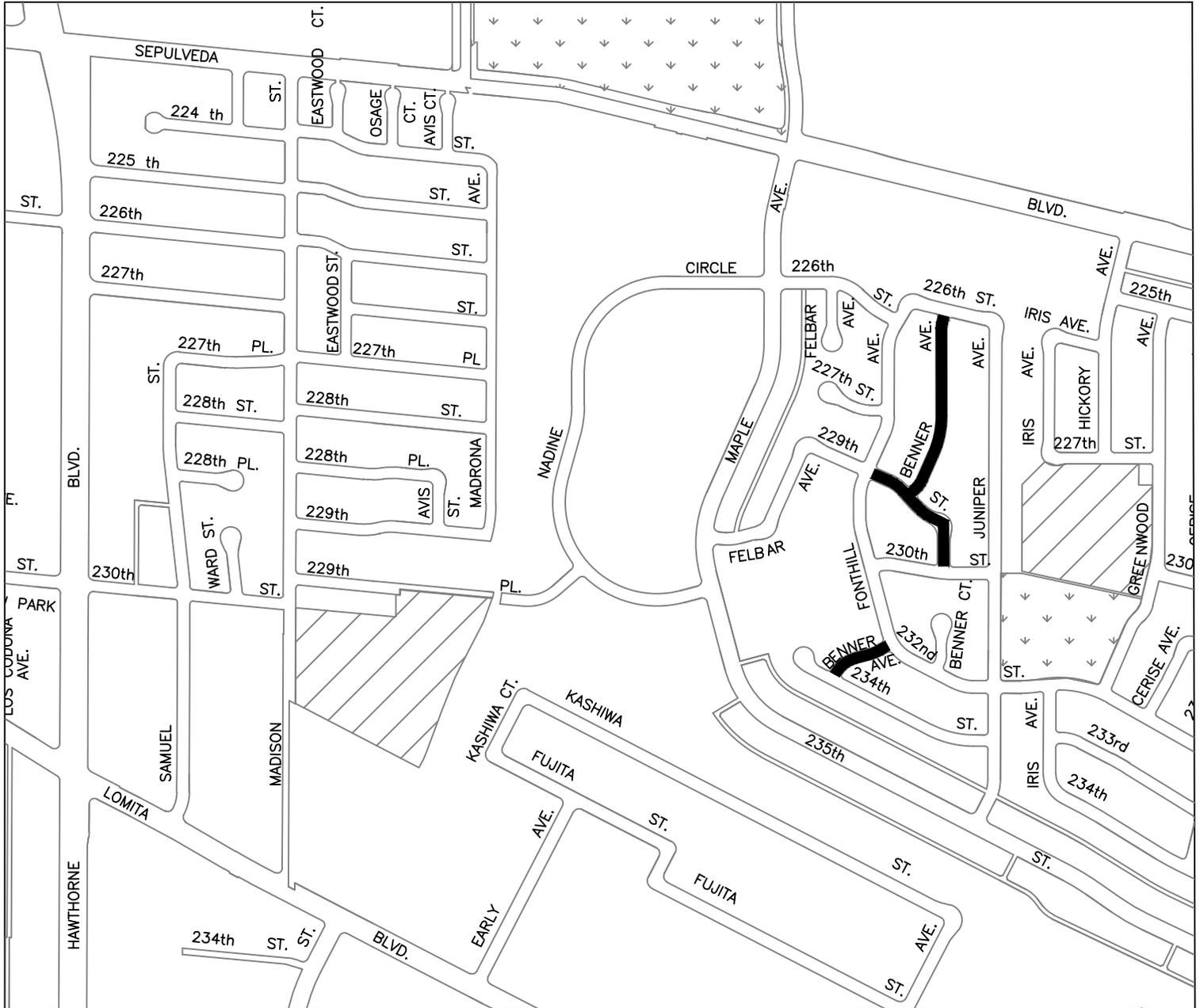
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

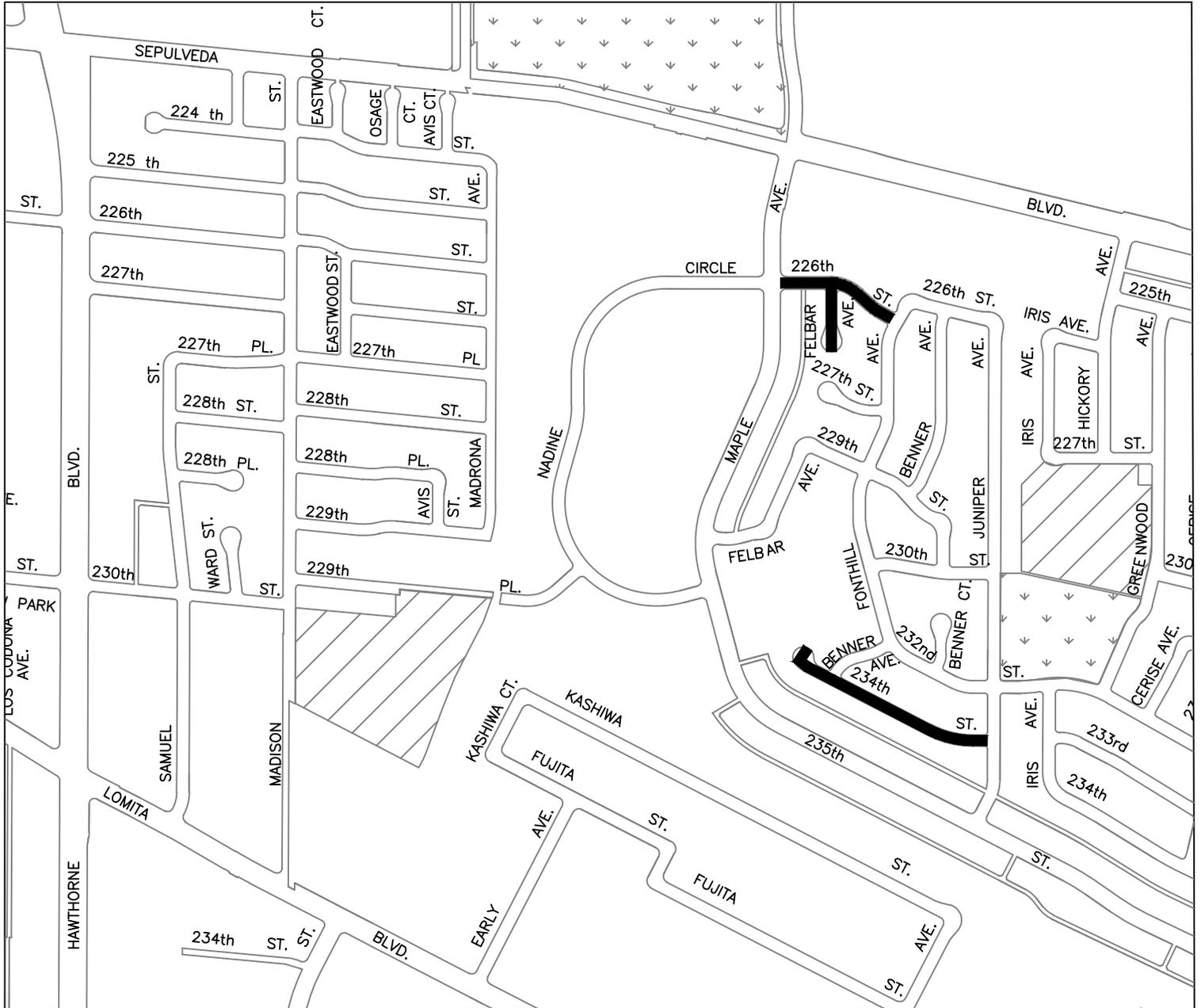
-  FRIDAY, WEEK 2
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

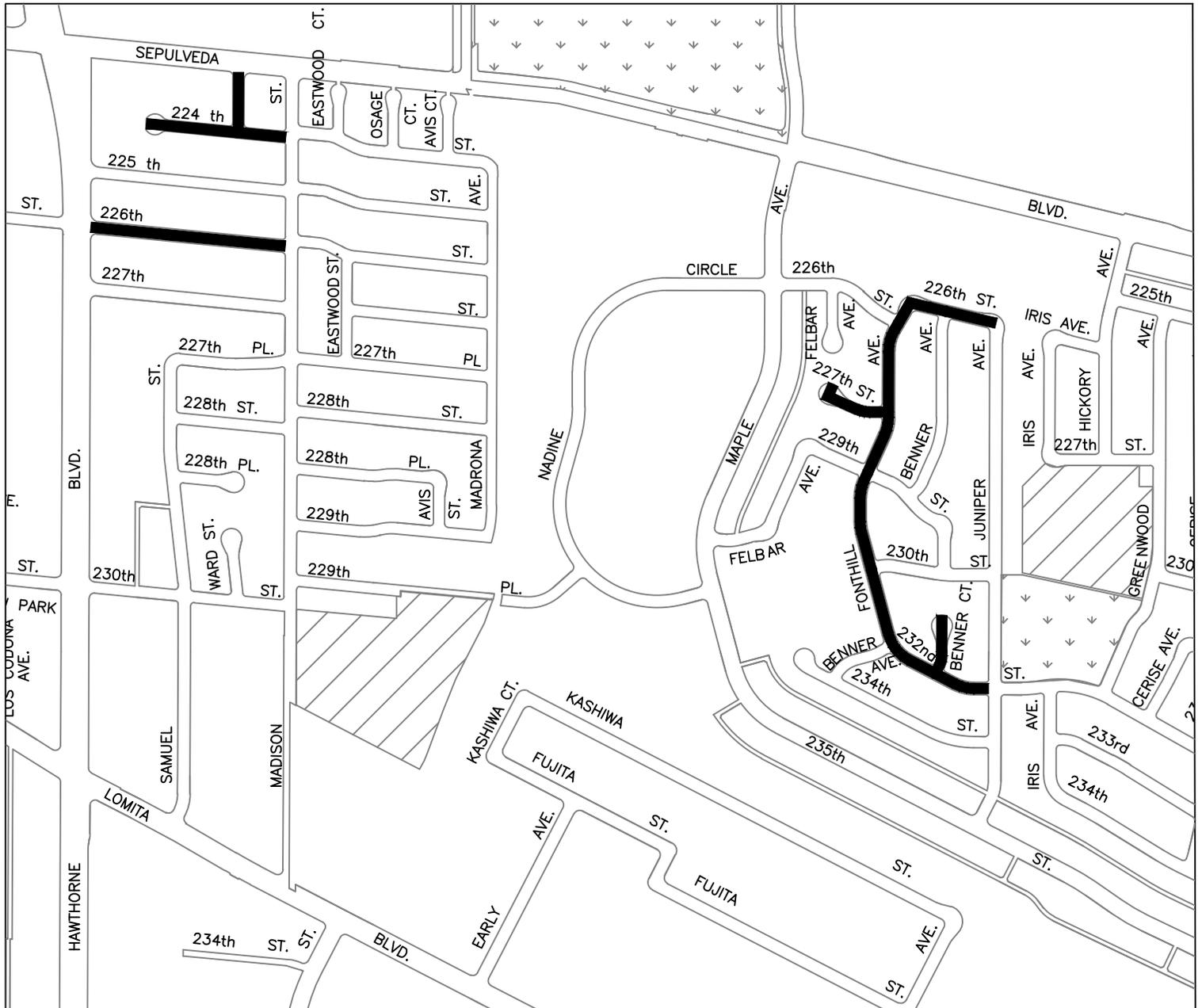
-  FRIDAY, WEEK 3
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

 MONDAY, WEEK 4

 PARK

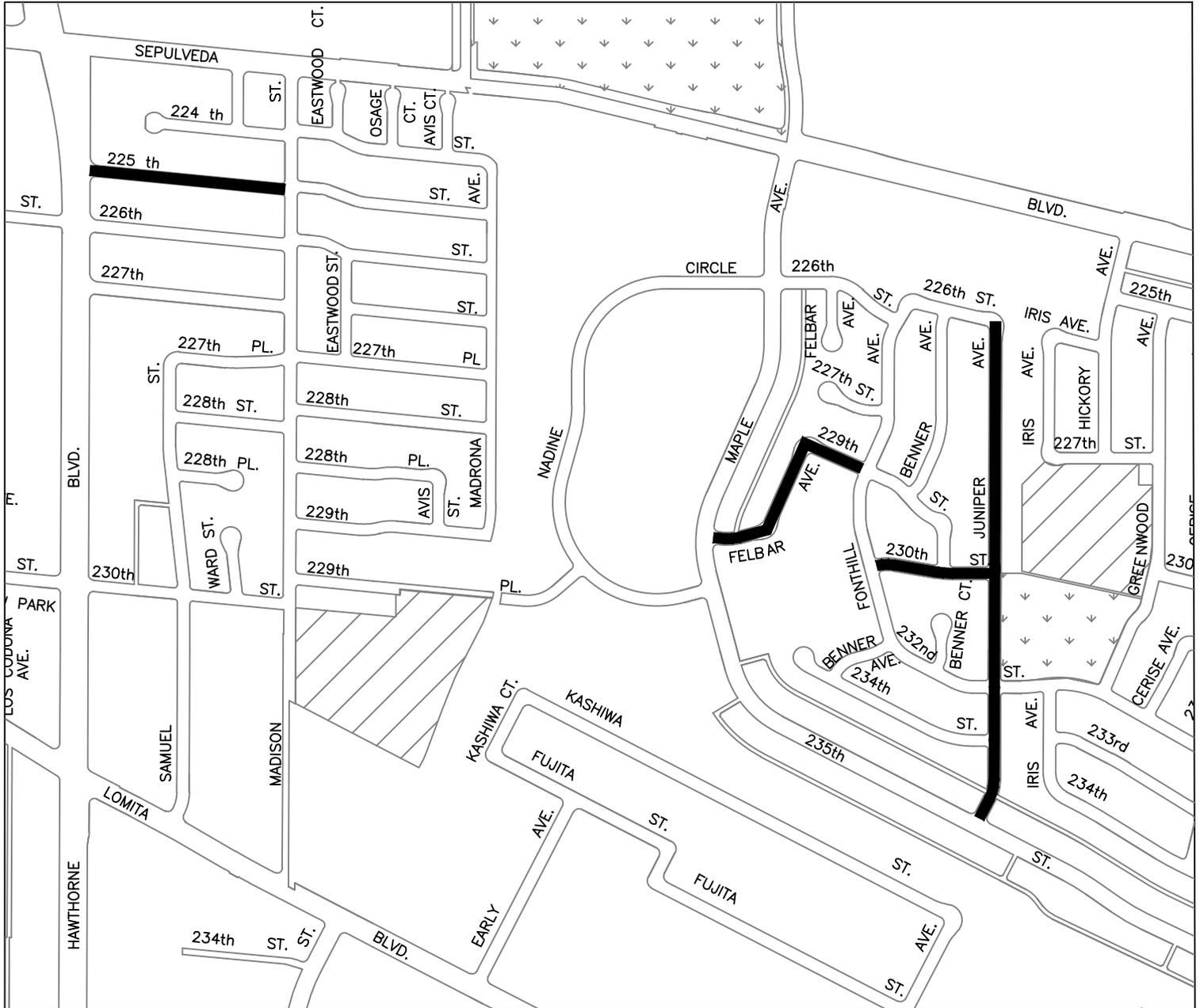
 SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
**2015 Residential Slurry Seal Program, I-159**  
**STREET DETAIL AREA MAP**

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

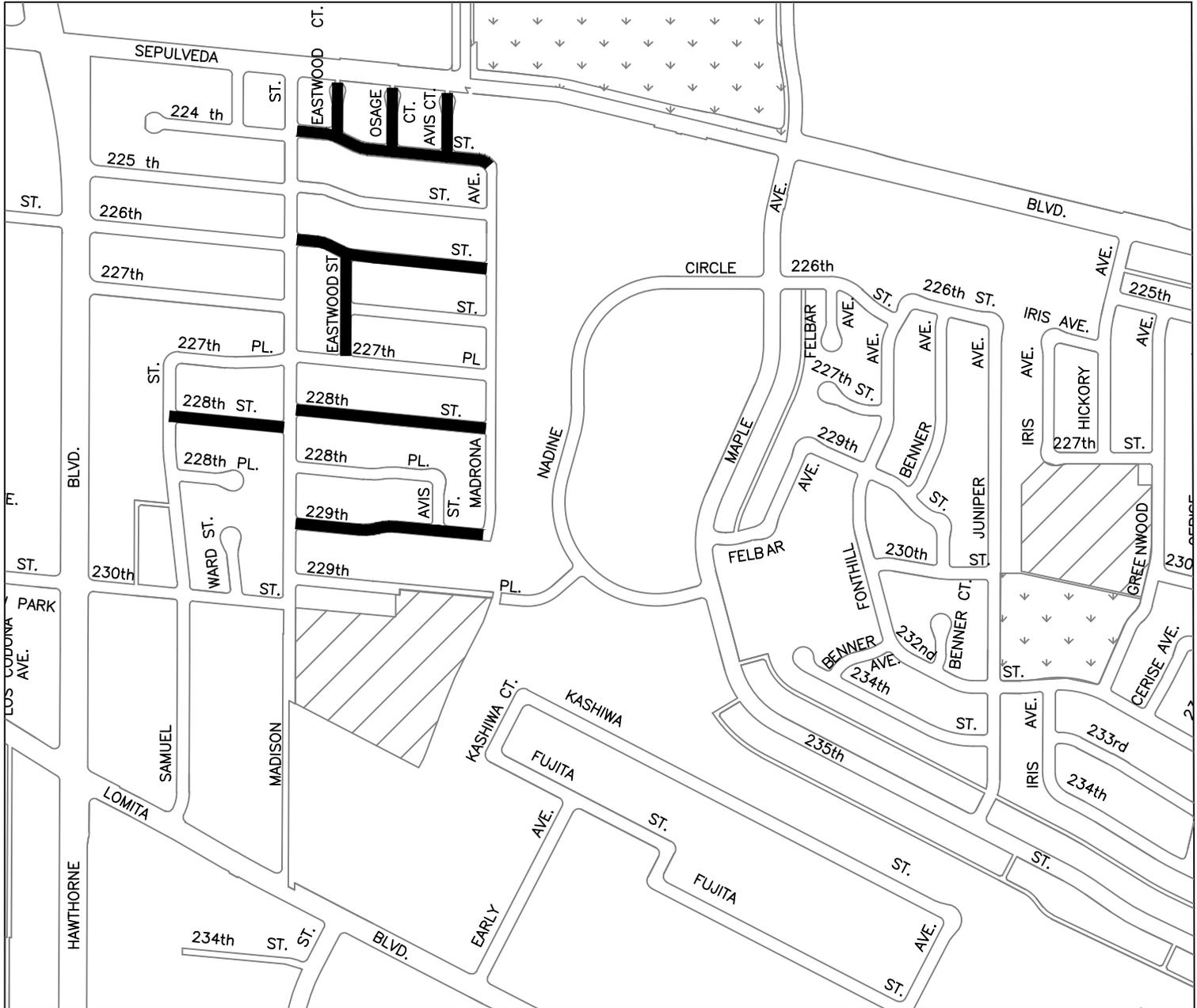
-  TUESDAY, WEEK 5
-  PARK
-  SCHOOL



NO SCALE

CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

-  TUESDAY, WEEK 7
-  PARK
-  SCHOOL



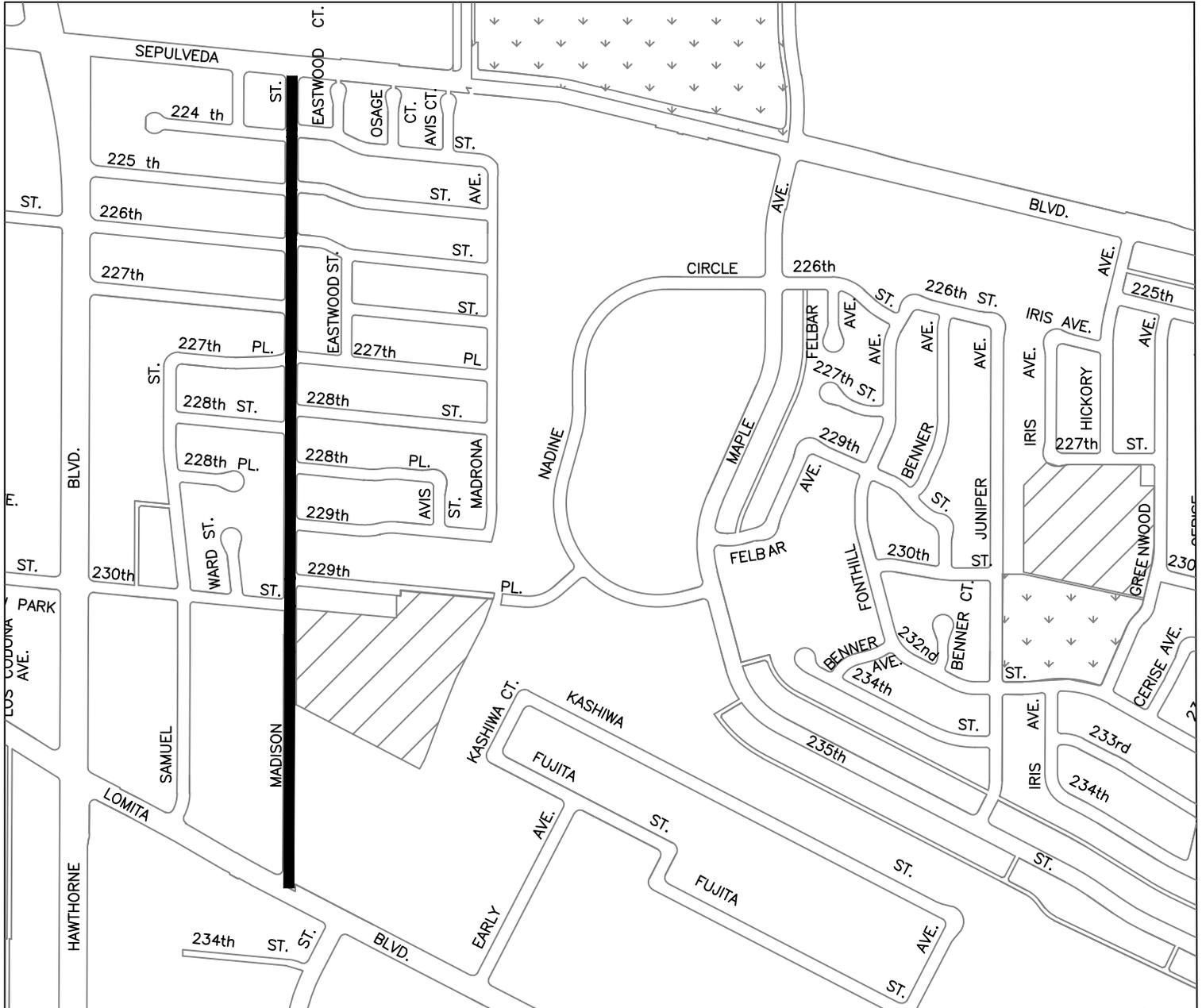
NO SCALE





CITY OF TORRANCE - PUBLIC WORKS DEPARTMENT  
 2015 Residential Slurry Seal Program, I-159  
 STREET DETAIL AREA MAP

AREA 6



**NOTE:**

CITY REFUSE AND RECYCLING COLLECTION IN THIS AREA ARE ON THURSDAYS. APPLICATION OF SLURRY SEAL IN THIS AREA IS PROHIBITED ON THURSDAYS.

**LEGEND:**

-  TUESDAY, WEEK 12
-  PARK
-  SCHOOL



NO SCALE

**APPENDIX VI**

**LIST OF ARTERIAL STREETS MEASUREMENTS  
AND  
SCHEDULE OF PAVEMENT STRIPING, MARKINGS, AND LEGENDS**

2015 ARTERIAL PAVEMENT SEALING PROGRAM, I-139

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
CALLE MAYOR	PALOS VERDES BLVD	VIA ANITA	3	428	53		22684
CALLE MAYOR	PASQUAL VIA	MIRADORES VIA LOS	3	272	53		14416
CALLE MAYOR	MIRADORES VIA LOS	MESA GRANDE VIA	3	263	53		13939
CALLE MAYOR	MESA GRANDE VIA	SOLEDAD VIA LA	3	276	55		15180
CALLE MAYOR	SOLEDAD VIA LA	MONTE D'ORO VIA	1	491	20		9820
CALLE MAYOR	MONTE D'ORO VIA	SOLEDAD VIA LA	1	515	21		10815
CALLE MAYOR	MONTE D'ORO VIA	MIRAMAR VIA	1	1332	21		27972
CALLE MAYOR	MIRAMAR VIA	MONTE D'ORO VIA	1	1297	21		27237
CALLE MAYOR	VIA PASQUAL	CALLE MIRAMAR	2	2650	40		106000
CALLE MAYOR	CALLE MIRAMAR	EL CHICO VIA	1	967	20		19340
CALLE MAYOR	VIA EL CHICO	CALLE MIRAMAR	1	994	20		19880
CALLE MAYOR	VIA EL CHICO	VIA SEGO	1	294	20		5880
CALLE MAYOR	VIA SEGO	VIA EL CHICO	1	288	20		5760
CALLE MAYOR	VIA SEGO	RIVIERA WAY	1	641	20		12820
CALLE MAYOR	RIVIERA WAY	VIA SEGO	1	634	20		12680
CALLE MAYOR	RIVIERA WAY	SUSANA AVE (S)	4	230	54		12420
CALLE MAYOR	SUSANA WAY	SHADYCROFT AVE	4	363	54		19602
CALLE MAYOR	SHADYCROFT AVE	NEWTON ST	3	769	54		41526
CALLE MAYOR	NEWTON ST	PACIFIC COAST HWY	3	383	54		20682
<b>TOTAL</b>							<b>418,653</b>
ANZA AVENUE	PACIFIC COAST HWY	238TH ST (E)	4	662	60		39720
ANZA AVENUE	238TH ST (E)	236TH ST	2	638	30		19140
ANZA AVENUE	236TH ST	238TH ST	2	617	30		18510
ANZA AVENUE	236TH ST	234TH ST	2	1159	30		34770
ANZA AVENUE	234TH ST	236TH ST	2	1152	30		34560
ANZA AVENUE	234TH ST	MAYOR CALLE	2	1172	30		35160
ANZA AVENUE	MAYOR CALLE	234TH ST	2	1178	30		35340
<b>TOTAL</b>							<b>217,200</b>
SKYPARK DRIVE	MADISON ST	GARNIER ST	5	3845	60		230700
SKYPARK DRIVE	GARNIER ST	CRENSHAW BLVD	5	3192	60		191520
<b>TOTAL</b>							<b>422,220</b>
CARSON STREET	HAWTHORNE BLVD	MADRONA AVE	7	2361	75		177075

2015 ARTERIAL PAVEMENT SEALING PROGRAM, I-139

STREET NAME	BEGIN LOCATION	END LOCATION	LANES	LENGTH (FT)	WIDTH (FT)	ADD/SUBTRACT	TOTAL AREA (SF)
ARLINGTON AVENUE	CITY LIMITS	238TH ST	5	553	59		32627
ARLINGTON AVENUE	238TH ST	237TH ST	5	528	59		31152
ARLINGTON AVENUE	237TH ST	236TH PL	5	264	59		15576
ARLINGTON AVENUE	236TH PL	236TH ST	5	264	59		15576
ARLINGTON AVENUE	236TH ST	235TH ST	5	528	59		31152
ARLINGTON AVENUE	235TH ST	234TH ST	5	264	59		15576
ARLINGTON AVENUE	234TH ST	233RD ST	5	263	59		15517
ARLINGTON AVENUE	233RD ST	232ND ST	5	265	59		15635
ARLINGTON AVENUE	232ND ST	231ST ST	5	264	59		15576
ARLINGTON AVENUE	231ST ST	230TH PL	5	237	59		13983
ARLINGTON AVENUE	230TH PL	230TH ST (E)	5	422	59		24898
ARLINGTON AVENUE	230TH ST (E)	SEPULVEDA BLVD	5	961	59		56699
ARLINGTON AVENUE	SEPULVEDA AVE	SANTA FE AVE	5	664	51		33864
ARLINGTON AVENUE	SANTA FE AVE	LINCOLN AVE	5	540	51		27540
ARLINGTON AVENUE	LINCOLN AVE	DEL AMO PLAZA	3	675	46		31050
<b>TOTAL</b>							<b>376,421</b>
YUKON AVENUE	190TH ST	187TH ST	2	963	32		30816
YUKON AVENUE	187TH ST	182ND ST	2	1679	32		53728
<b>TOTAL</b>							<b>84,544</b>
<b>GRAND TOTAL</b>							<b>1,696,113</b>

STREET NAME	FROM	TO	4" WHITE DASHED CENTER LINE STD A20A DET 9 [LF]	4" DOUBLE YELLOW LINES STD A20A DET 22 [LF]	4" DOUBLE YELLOW CENTER TURN LANE LINE STD A20A DET 31 [LF]	12" WHITE (STOP) LIMIT LINE STD A24E [EA]	8" WHITE CHANNELIZING LINE STD A20D DETAIL 38A [LF]	6" WHITE BIKE LANE LINE STD A20D DETAIL 39 [LF]	INTER-SECTION BIKE LANE LINE STD A20D DETAIL 39A [LF]	"STOP" LEGEND STD A24D [EA]	"KEEP CLEAR" LEGEND STD A24D [EA]	"STOP AHEAD" LEGEND STD A24D [EA]	"SLOW SCHOOL XING" LEGEND STD A24D [EA]	BIKE LANE LEGEND STD A24D [EA]	BIKE LANE ARROW STD A24A [EA]	RAILROAD CROSSING SYMBOL STD A24B [EA]	TYPE IV RT LANE DROP ARROW STD A24A [EA]	TYPE IV LT OR RT ARROW STD A24A [EA]	TYPE I THRU ARROW STD A24A [EA]	12" WHITE X-WALK STD A24E [LF]	12" YELLOW X-WALK STD A24E [LF]	BLUE MARKER FIRE HYDRANT [EA]	
CALLE MAYOR	PALOS VERDES BLVD	VIA ANITA		100	100			135	40										2	1	130		1
CALLE MAYOR	PASQUAL VIA	MIRADORES VIA LOS			1010				930														1
CALLE MAYOR	MIRADORES VIA LOS	MESA GRANDE VIA			510				550														1
CALLE MAYOR	MESA GRANDE VIA	SOLEDAD VIA LA			355			50	400										1				
CALLE MAYOR	SOLEDAD VIA LA	MONTE D'ORO VIA					10		330			1											
CALLE MAYOR	MONTE D'ORO VIA	SOLEDAD VIA LA					10		470			1											2
CALLE MAYOR	MONTE D'ORO VIA	CALLE MIRAMAR					10		1230			1											
CALLE MAYOR	CALLE MIRAMAR	MONTE D'ORO VIA					10		1140			1											
CALLE MAYOR	CALLE MIRAMAR	EL CHICO VIA					10		865			1											1
CALLE MAYOR	VIA EL CHICO	CALLE MIRAMAR					10		910			1											
CALLE MAYOR	VIA EL CHICO	VIA SEGO							260														
CALLE MAYOR	VIA SEGO	VIA EL CHICO					10		235			1											1
CALLE MAYOR	VIA SEGO	RIVIERA WAY					10		655			1											
CALLE MAYOR	RIVIERA WAY	VIA SEGO			150	10			575			1											
CALLE MAYOR	RIVIERA WAY	SUSANA AVE (S)			300			35	370										1				
CALLE MAYOR	SUSANA WAY	SHADYCROFT AVE			300			185	655										2				1
CALLE MAYOR	SHADYCROFT AVE	NEWTON ST				1450			1525														1
CALLE MAYOR	NEWTON ST	PACIFIC COAST HWY			300			300	455										5			150	2
ANZA AVENUE	PACIFIC COAST HWY	238TH ST (E)	1110					440	520										6		195		3
ANZA AVENUE	238TH ST (E)	236TH ST	570					40	500										1				2
ANZA AVENUE	236TH ST	238TH ST	540					50	560										1				1
ANZA AVENUE	236TH ST	234TH ST	1100					100	1090			3							2		100		1
ANZA AVENUE	234TH ST	236TH ST	1120					120	1150										1		100		2
ANZA AVENUE	234TH ST	MAYOR CALLE	1090					100	1190										2		100		3
ANZA AVENUE	MAYOR CALLE	234TH ST	1090			50		100	1190			3							2		100		1
SKYPARK DRIVE	MADISON ST	GARNIER ST	5500		5500	45		445											8		300		4
SKYPARK DRIVE	GARNIER ST	CRENSHAW BLVD	5670	220	5850	45		445	800									3	21	4	325		5
CARSON ST	HAWTHORNE BLVD	MADRONA AVE	8000	2000				2570											26		1350		
ARLINGTON AVE	CITY LIMITS	238TH ST			1000				530	120					1	1							1
ARLINGTON AVE	238TH ST	237TH ST	785					150	795	125		2		1					2		145		2
ARLINGTON AVE	237TH ST	236TH PL			275			85	170	195		2			2	2			1		145		
ARLINGTON AVE	236TH PL	236TH ST			430				100	220			1		2	2							1
ARLINGTON AVE	236TH ST	235TH ST			720			145	655	230					2	2			1		150		
ARLINGTON AVE	235TH ST	234TH ST			220			150	270	115					1	1					150		
ARLINGTON AVE	234TH ST	233RD ST			500				160	230					1	1							1
ARLINGTON AVE	233RD ST	232ND ST			480				283	110					2	2							
ARLINGTON AVE	232ND ST	231ST ST			360			65	175	220					1	1			1				
ARLINGTON AVE	231ST ST	230TH PL			290			65	235	120					2	2			1				150
ARLINGTON AVE	230TH PL	230TH ST (E)			900				350	320													
ARLINGTON AVE	230TH ST (E)	SEPULVEDA BLVD			1580	20		460	455	330		1			3	3		2	4	2	180		2
ARLINGTON AVE	SEPULVEDA AVE	SANTA FE AVE			740			390	875	90					1	1			6	2			2
ARLINGTON AVE	SANTA FE AVE	LINCOLN AVE			565			180	700	210									4			110	1
ARLINGTON AVE	LINCOLN AVE	DEL AMO PLAZA			878			555	160						1	1	1	2					1
YUKON AVENUE	190TH ST	187TH ST	755	115		10						2										90	3
YUKON AVENUE	187TH ST	182ND ST	1375	150								1										195	3
<b>TOTALS</b>			<b>28,705</b>	<b>3,185</b>	<b>24,163</b>	<b>260</b>	<b>7,360</b>	<b>24,508</b>	<b>2,635</b>	<b>22</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>21</b>	<b>21</b>	<b>2</b>	<b>5</b>	<b>107</b>	<b>9</b>	<b>3,470</b>	<b>845</b>	<b>50</b>	

## **APPENDIX VII**

### **CITY PARKING FACILITY QUANTITIES TABLE**

No.	FACILITY NAME	SLURRY SEAL AREA [SF]	CRACK SEAL	REMOVE EXISTING; FURNISH AND INSTALL NEW CONCRETE WHEEL STOPS
1	EL NIDO PARK	36,020	YES	4
2	LA ROMERIA PARK	2,970	NO	0
3	ENTRADERO PARK	18,190	NO	0
4	CITY HALL PARKING LOT	41,600	NO	60
5	TORRANCE AIRPORT	667,000	NO	0