ENGINEERING & SURVEYING, INC.

PRINCIPALS
Randolph W. Leptien
Christine M. Leptien-Parks
Mariam Munshi Virani

FOUNDED 1954
Guenter K. Leptien
Frank J. Cronin
Jasper Cooper

June 30, 2020

San Leandro Unified School District
1145 Aladdin Avenue
San Leandro, CA 94579

Attn: Ridge Greene, RGM Kramer

Re: San Leandro Unified School District (SLUSD)
Roosevelt Elementary School
Proposal for Surveying and Mapping Services

Dear Mr. Green,

LCC Engineering & Surveying, Inc. (LCC) is pleased to submit this proposal to provide land surveying and mapping services for the above referenced project.

SCOPE OF SERVICES AND ESTIMATE OF COST AND TIME;

Based on emails with you, we understand that a ground based topographic survey and mapping will be required for future Building and related improvements, which will be located on the north end of the existing campus, adjacent to Dowling Blvd. In addition, we understand that the District is also in need of survey and mapping for three intersections surrounding the campus which are to receive signing and striping improvements related to proposed “Safe Routes to School” projects. We have attached two exhibits (provided by the District) showing the limits of the work area for the proposed survey and mapping.

We also understand that, for the main site, another firm will be performing underground utility locating and mapping. LCC will not be responsible for surveying the markings, however we will take several “check shots” so that the locator may incorporate their mapping with ours as seamlessly as possible.

Based on this information, LCC proposes to provide the following services and have also attached the “Estimated Hours and Cost by Task” spreadsheet for items work include herein:

Task 1 – Topographic Surveys and Mapping

LCC will coordinate with SLUSD’s project manager(s) to obtain the final requirements for the supplement survey work. We will perform a ground based topographic survey (1”=10’ scale) or other suitable scale, with 1-foot contours of the existing site area, as follows:

930 Estudillo Street
Martinez, California
94553-1620
(925) 228-4218
(925) 228-4638 fax
www.lcc-inc.com

LCC will establish control points for the surveys and perform a detailed supplemental topographic ground level survey within the limits shown on the attached exhibits. The survey will include locating major topographic features horizontally and vertically such as curbs, sidewalks, flatwork, building walls/corners, poles, signs, lights, trees, planter areas, striping, fences, visible utility boxes, and grates of inlets, and visible utility facilities within the survey limits.

After field survey is completed, LCC will prepare a Topographic Survey Map of the subject site area. The Map of the collected file data will be prepared at 1"=10' scale or other suitable scale on a 24"x36" sheet using AutoCAD software. All collected survey information will be shown with elevations and line work suitable for future design improvement work.

Task 2 – Limited Boundary Mapping

LCC will include the drafting of property boundary line(s) mapping on to the proposed topographic survey using record information. Our proposed scope of services will include researching the District, and County records, locating existing property corners or record street monuments in the field. The property lines (within survey limits only) will be incorporated into the topographic base maps on a separate CAD layer. No easement information will be shown since a Preliminary Title Report will not be provided by the client.

DELIVERABLES

We will provide the District with a PDF plot of the signed survey, and up to two (2) sets of bond copies of 10 scale drawings, along with the electronic CAD files of the base map delivered via email or ftp site. The CAD drawing will be drawn at 1:1 and provided in AutoCAD 3D.

HOURS AND COSTS BY TASKS

A spreadsheet which shows the estimated hours and cost for each of the various subtasks to be performed is attached. The spreadsheet is submitted for information and budget purposes only and the amounts per subtasks are not guaranteed, i.e. the actual amount per subtask may be higher or lower based upon the actual work performed.

HOURLY RATES

Work will be performed at our customary hourly rates. A copy of the prevailing rate schedule for LCC is included in the appendix. LCC, Inc. proposes to provide the scope of services described herein on a time and materials basis for a total amount not to exceed the total amount indicated at the bottom of the attached spreadsheet without written authorization.

SCHEDULE

We can begin work within one week of receiving a written notice to proceed. We can work with the District to complete all tasks in accordance with the District's schedule as is reasonably possible. We estimate that the field and office mapping will take approximately two

weeks to complete. Our schedule will be dependent upon rain delays, and the assumption we will be given reasonable access to the property. LCC will not be responsible for delays in schedule which are not reasonably within their control.

ADDITIONAL SERVICES AND ASSUMPTIONS

Additional services are items that can be provided by LCC, or its subcontractors, but which are not included in the “Scope of Services” outlined above. Additional services will be provided on a “Time and Materials” basis, according to LCC's prevailing “Rate Schedule”, unless a separate agreement for the work is negotiated.

Work items that will be considered “Additional Services” include, but are not limited to the following:

- Aerial Mapping
- Surveying of any kind outside of the work limit line shown on the "Survey Exhibit"
- Reviewing and incorporating comments and mark-ups from the Client after final submittal has been made.
- Underground locating or “Potholing” to locate existing utilities.
- Additional Boundary or Easement work.
- Civil Engineering Services
- Construction Staking

LCC will undertake additional services when requested to do so by the Client. Prior to proceeding with any Additional Services, LCC will send a work order to the Client indicating the nature of requested additional services, and an estimate of the fees to be charged for the additional work, subject to approval by the Client.

Thank you for this opportunity to submit this proposal. Please feel free to contact me at 925-228-4218 or cmp@lcc-inc.com if you have any questions, or if you would like us to proceed.

Sincerely,
LCC Engineering & Surveying, Inc.



Christine M. Parks
Principal

Encl: Limits of Survey Work Exhibits (2 pages)
Estimated Hours and Cost by Task, Spreadsheet (1 page)

Roosevelt Elementary School, San Leandro

Safe Routes to Schools Improvement Plan

Site Assessment held May 2018

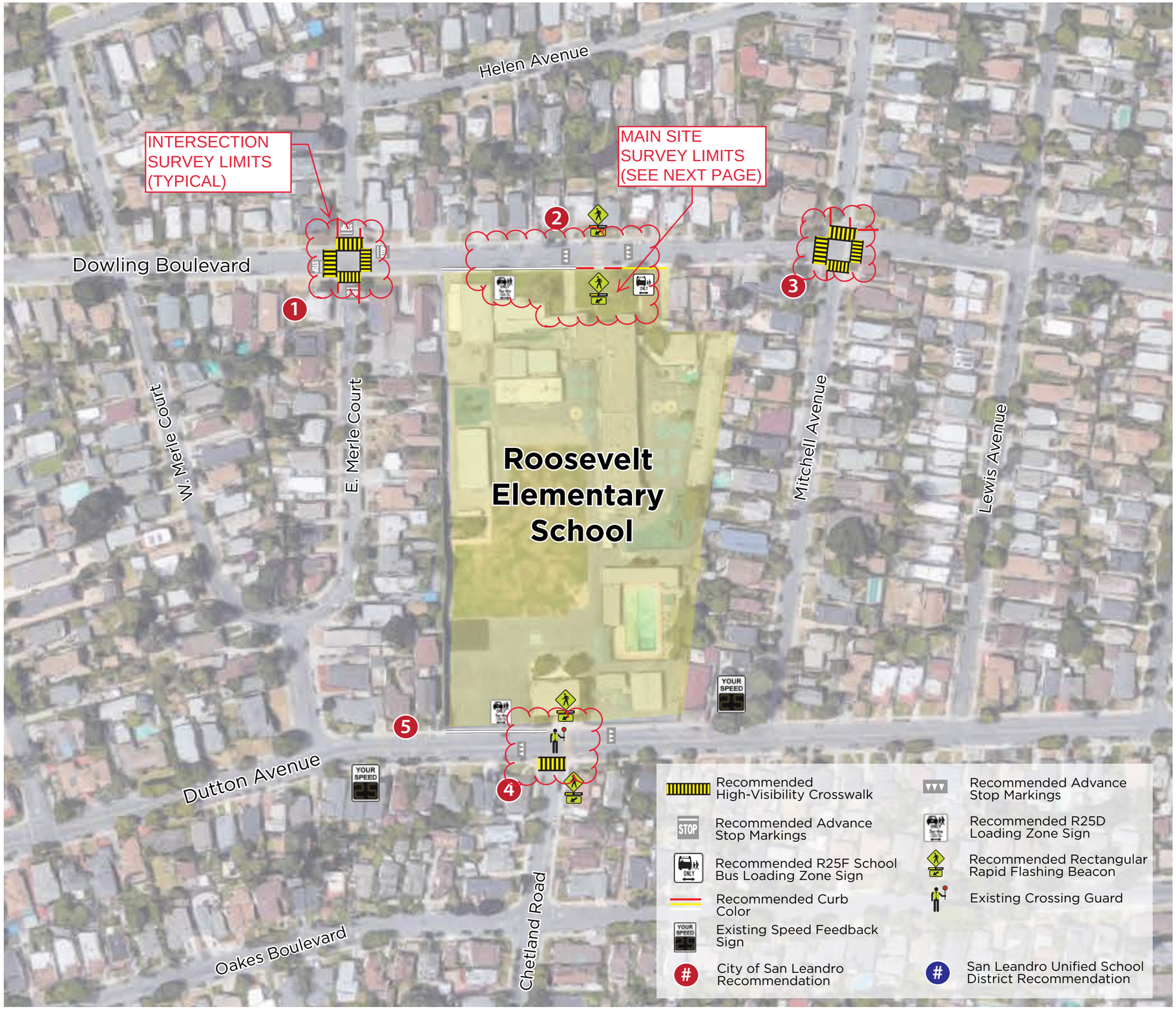
1 Dowling Boulevard/E. Merle Court
- Upgrade the three existing transverse crosswalks to high visibility crosswalks
- Mark a high visibility crosswalk at the western approach
- Restripe advance stop markings with a stop bar at all approaches
- Install 20 feet of red curb at all corners to daylight the crosswalks. Evaluate each corner for exact red curb length

2 Dowling Boulevard
- Formalize the drop-off zone on Dowling Boulevard by installing white curb and updating the signage (R25D School Loading Zone) to extend the restricted period to 7:30AM and add arrows to better define to restricted area
- On the south side of Dowling Boulevard, extend the red curb around the mid-block crossing by 10 feet on both sides
- On the south side of Dowling Boulevard create a bus loading zone by installing 25 feet of yellow curb and R25F School Bus Loading signs
- Upgrade the existing in-sign flshing lights to RRFBs
- Install advance yield markings around the midblock crossing
- Install "SLOW SCHOOL XING" pavement markings on both approaches to this midblock crossing

3 Dowling Boulevard/Mitchell Avenue
- Upgrade the three existing transverse crosswalks to high visibility crosswalks
- Mark a high visibility crosswalk at the eastern approach
- Restripe advance stop markings with stop bar at all approaches
- Install 20 feet of red curb at all corners
- Conduct a stop sign warrant study to determine if installing a stop sign would improve operations

4 Dutton Avenue/Chetland Road
- Upgrade the transverse crosswalk across Chetland Road to a high visibility crosswalk
- Replace existing advance stop bars on Dutton Avenue with advance yield markings
- Upgrade existing beacon light to RRFB

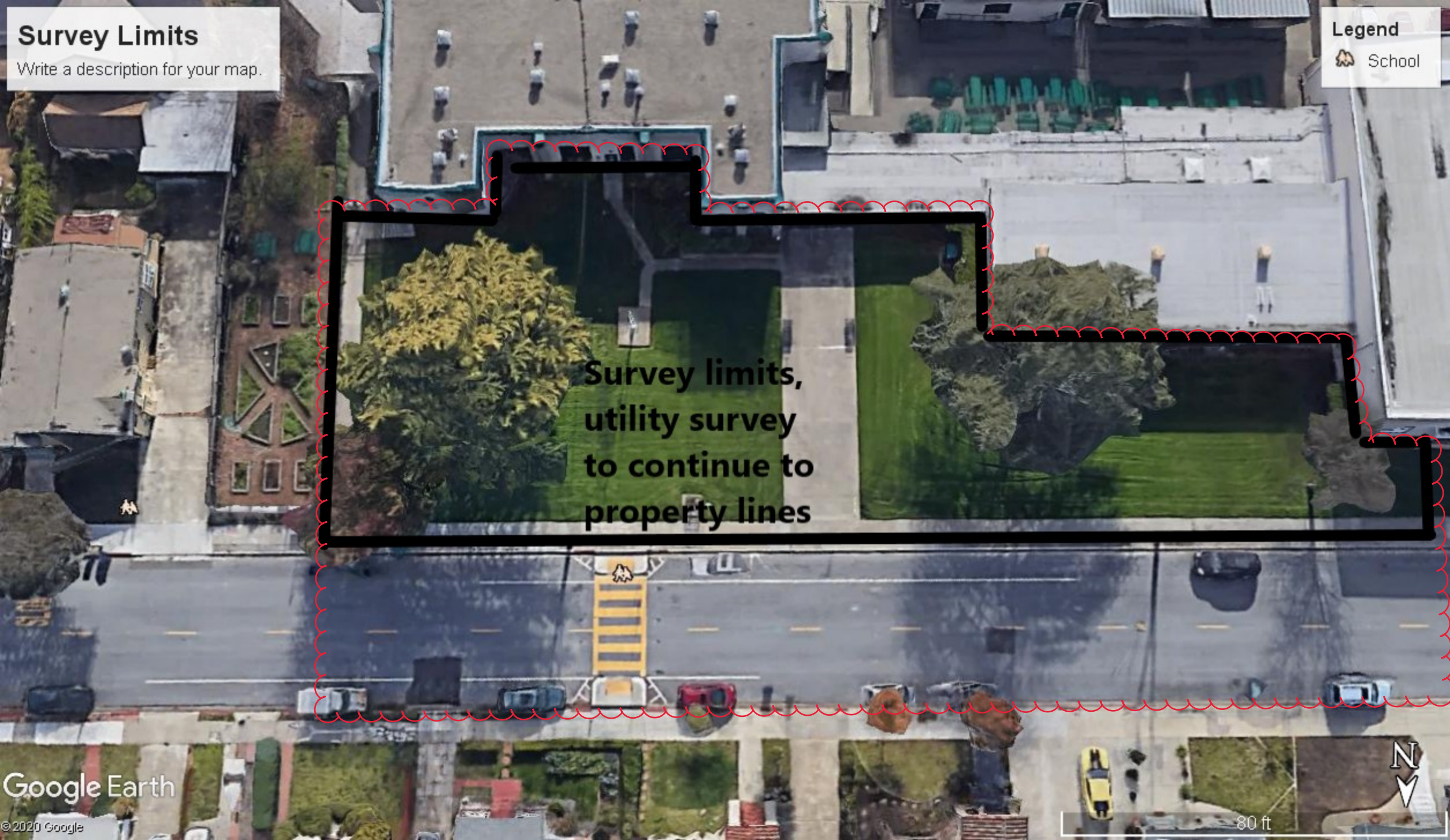
5 Dutton Avenue
- Remove "Traffic Fines Doubled" signs
- On the north side of Dutton Avenue, install white curb and R25D signs to create a drop-off zone



0 200 ft

Improvements not to scale

The above items are recommendations only and based on Safe Routes to Schools site assessment best practices. Feasibility determination, final design, accessibility, funding, and implementation of any recommended improvements is the responsibility of the appropriate governing agency.


Survey Limits
Write a description for your map.
Legend
School
Survey limits,
utility survey
to continue to
property lines
Google Earth
© 2020 Google
80 ft
N

ESTIMATED WORKER HOURS AND COST BY TASK
LCC ENGINEERING SURVEYING, INC.

SAN LEANDRO UNIFIED SCHOOL DISTRICT (SLUSD)
ROOSEVELT ELEMENTARY SCHOOL
PROPOSAL FOR LAND SURVEYING & MAPPING SERVICES
June 30, 2020

		LCC, INC. HOURS									HOURS			AMOUNTS		
SCOPE OF WORK		**PS**	**S2**	**S1**	**LS**	**CE**	**AE**	**C2**	**C1**	**TT**	**LCC**	**SUB**	**TOTAL**	**LCC**	**SUB**	**TOTAL**
TASK 1 - TOPOGRAPHIC SURVEYS AND MAPPING																
1.1	Field - Topographic Surveys Main Site		8		1						9		9	$2,230	$0	$2,230
1.2	Field - Topographic Surveys Intersections (Xwalk Improvmnts)		8		1						9		9	$2,230	$0	$2,230
1.3	Office - Topo mapping - compile data and mapping				2			24			26		26	$3,524	$0	$3,524
1.4	Office - Management & Coordination	1			2						3		3	$597	$0	$597
	Subtotal Task 1	1	16	0	6	0	0	24	0	0	47	0	47	$8,581	$0	$8,581
															Estimated Reimbursable Expenses:	$0
															Total Task 1:	$8,581
TASK 2 - LIMITED BOUNDARY MAPPING																
2.1	Research record maps, drawings and deeds				2			4			6		6	$904	$0	$904
2.2	Field - Tie-in (survey) property corners/monuments		4								4		4	$1,020	$0	$1,020
2.3	Add ROW and Property Lines to base mapping	1			2			4			7		7	$1,121	$0	$1,121
	Subtotal Task 2	1	4	0	4	0	0	8	0	0	17	0	17	$3,045	$0	$3,045
															Estimated Reimbursable Expenses:	$0
															Total Task 2	$3,045

ROUNDED TOTAL TASKS 1-2 (NOT TO EXCEED AMOUNT): $11,700

LEGEND - LCC TEAM MEMBERS AND HOURLY RATES

PS = PRINCIPAL SURVEYOR	$217	AE = ASSISTANT ENGINEER	$145	SUB = SUBCONSULTANT	$100
S2 = TWO-MAN SURVEY CREW	$255	C2 = CAD DESIGNER	$131	(HOURLY RATES FOR SUBCONSULTANTS ARE USED AS CALCULATION TOOL FOR ESTIMATED COST OF SERVICES AND MATERIALS DELIVERED)	
S1 = ONE-MAN SURVEY CREW	$169	C1 = CAD OPERATOR	$96		
LS = LAND SURVEYOR / SENIOR ENGINEER	$190	TT = TECHNICAL TYPIST	$76		
CE = CIVIL ENGR.	$163				