

# ANNUAL REPORT NO. 4



COUNTY OF SANTA CLARA  
PLANNING OFFICE

June 2005

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The purpose of this Annual Report is to provide public documentation that summarizes Stanford University development and required environmental mitigation activity within the jurisdiction of unincorporated Santa Clara County, for the period of September 1, 2003, through August 31, 2004. This report documents both new projects approved during the reporting period and the status of ongoing projects. Information on project status and a summary of development through the AR 4 reporting period is provided in Section II. Section III provides a summary of GUP compliance. Details and illustrations of projects that received ASA approval during this reporting period are provided in Section IV. Section V discusses other development, and Section IV describes anticipated development. See Appendices A, B, C and D for campus maps, GUP conditions and additional compliance details, summaries of cumulative development on campus, and traffic monitoring results.

The production team for this annual report endeavored to make this report user friendly. If you have comments or questions about the format, you may forward your comments to the Santa Clara County Planning Office. For the fourth annual reporting period, Tim Heffington was the Santa Clara County Planning Office project manager for the Stanford University environmental mitigation monitoring and reporting program. Specific questions regarding this project or the Stanford Community Plan/General Use Permit/Environmental Impact Report may be directed to Gary Rudholm. Contact information is included at the end of this report.

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# I. Introduction

Stanford University owns 8,180 acres of land, including 4,017 acres within unincorporated Santa Clara County that are subject to the land use jurisdiction and regulatory authority of the County (Figures 1 and 2). Stanford University is a private institution and, as such, is subject to local zoning controls and project approval procedures. Stanford land in Santa Clara County includes the academic campus, residential areas, and most of the foothills east of Alpine Road.

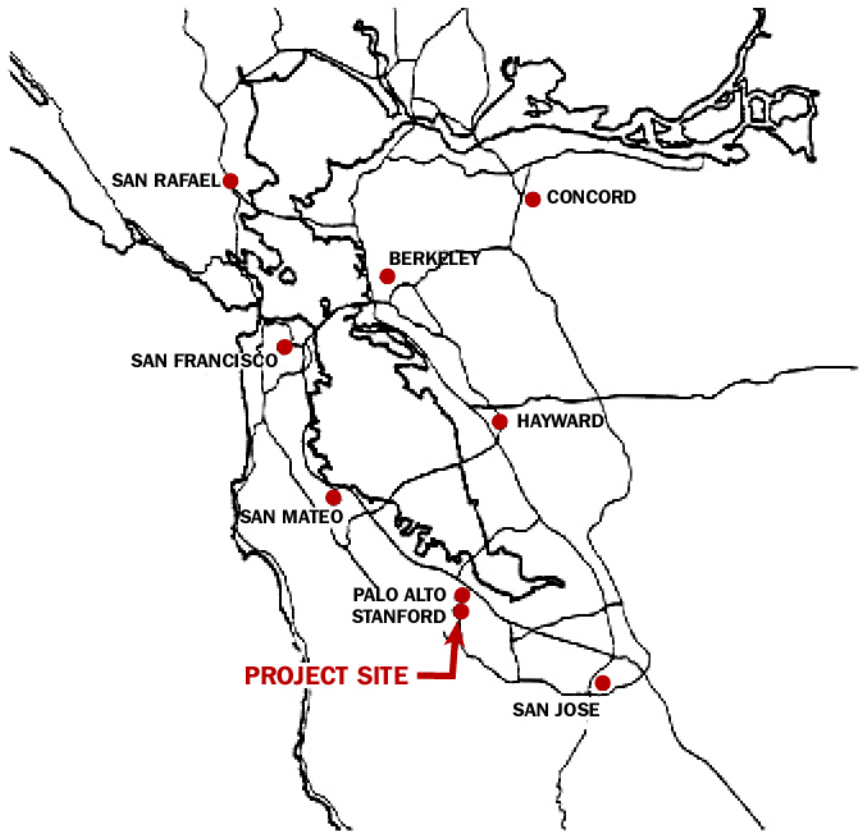
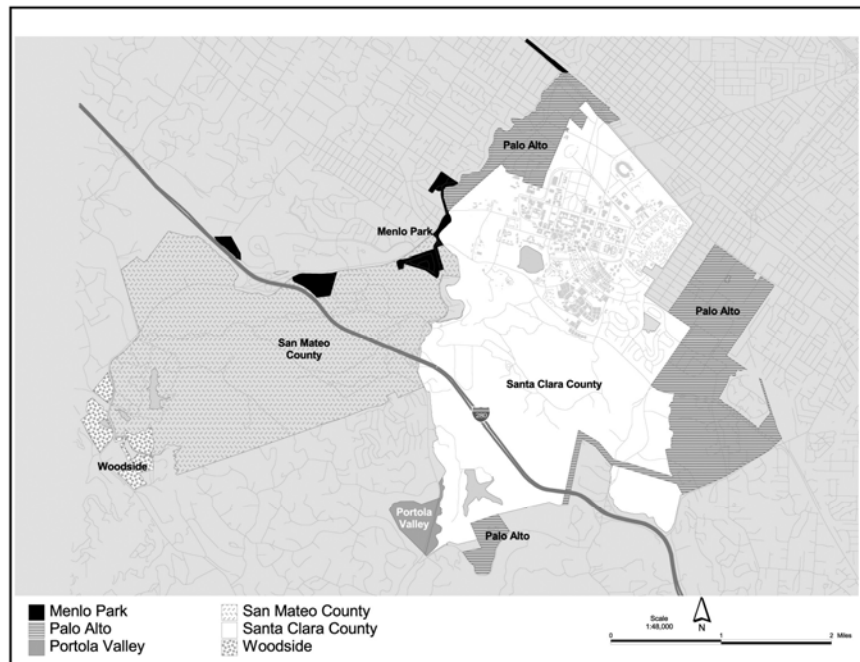


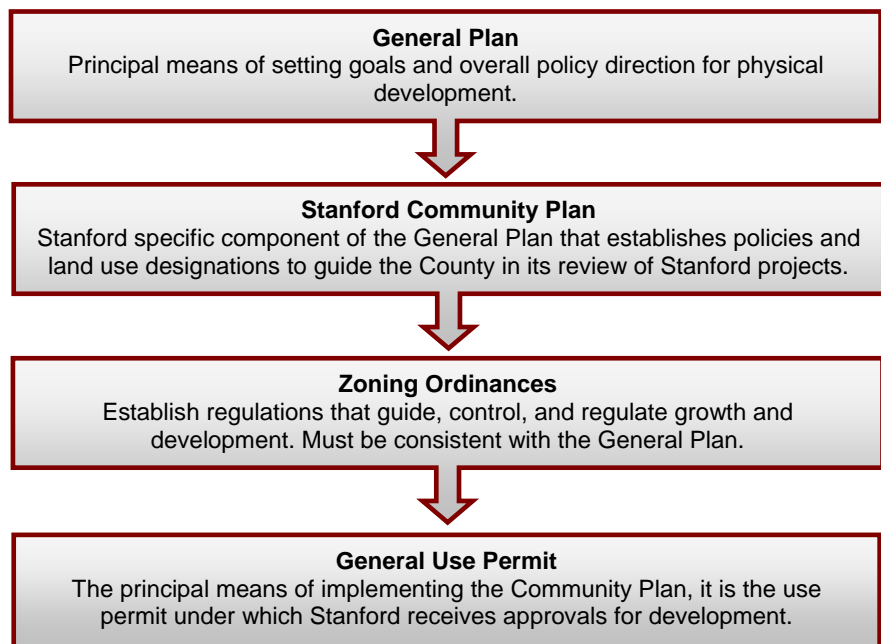
Figure 1 Regional Location

Santa Clara County guides future use of these lands through (1) the General Plan, (2) the Stanford Community Plan (CP) component of the General Plan (3) County Zoning Ordinances, (4) other County ordinances and policies, and (5) the General Use Permit (GUP).



Source: Stanford University General Use Permit, December 2000

**Figure 2 Governmental Jurisdictions on Stanford Lands**



In November 1999, Stanford University submitted a Draft CP/GUP Application to Santa Clara County. As a result of an extensive public review process, significant changes were made in the proposed CP/GUP. Santa Clara County, the lead agency under the

California Environmental Quality Act (CEQA), prepared an Environmental Impact Report (EIR) to disclose the significant environmental effects of development pursuant to the CP/GUP. In December 2000, the County Board of Supervisors certified the EIR and approved the Final CP/GUP (2000 GUP).

The 2000 GUP replaced the 1989 GUP and is the permit under which Stanford continues its academic and support uses and may develop the following facilities:

- academic and academic support facilities (an additional 2,035,000 net square feet (sq. ft.) plus the square footage remaining under the 1989 GUP)
- childcare or community centers (an additional 40,000 sq. ft.)
- temporary trailers and surge space (up to 50,000 sq. ft.)
- parking structures and lots (2,300 net new parking spaces)
- housing (3,018 housing units)

The Board approval of the 2000 GUP and the EIR resulted in mitigation measures. These mitigation measures were identified within the EIR, and formally adopted in the Mitigation Monitoring and Reporting Program (MMRP).

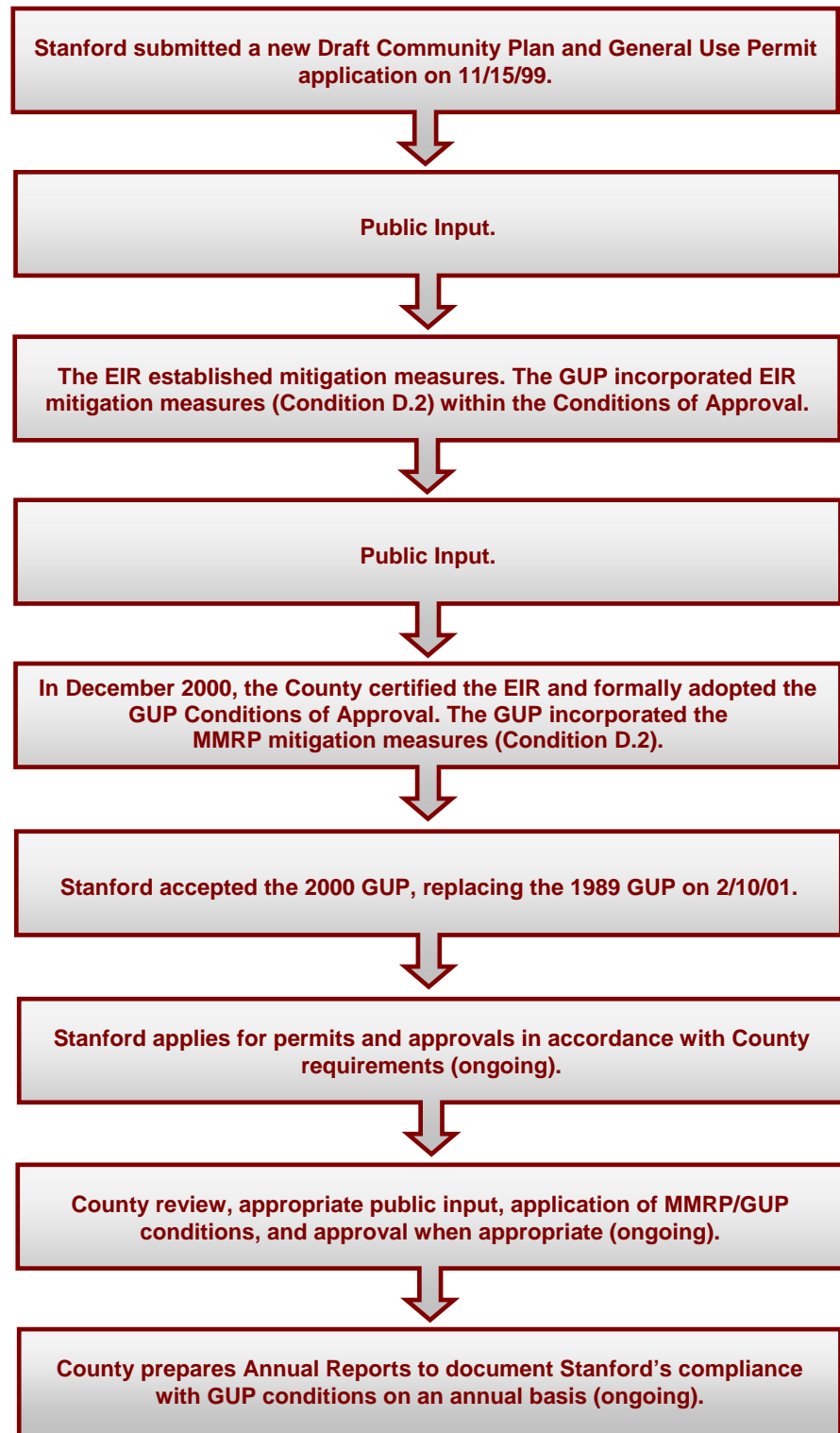
GUP Condition D.2 requires Stanford to implement the identified MMRP mitigation requirements as follows:

“If at any time the County Planning Commission determines that Stanford is not in compliance with one or more conditions of the General Use Permit, it may take corrective action as provided in the County Ordinance Code including, but not limited to, suspension of any future development approvals until such time as the conditions are met. Failure of Stanford to comply with aspects of the Mitigation Monitoring and Reporting Program adopted for the GUP or any specific projects approved under the GUP for which Stanford is responsible shall also constitute a violation of these GUP conditions for which corrective action may be taken as described above.”

This fourth Annual Report (“AR 4”) documents Stanford’s development activity and compliance with both the conditions of the 2000 GUP and any specific conditions associated with proposed building projects. It covers the period from September 1, 2003, to August 31, 2004. Activities or projects occurring after August 31, 2004, are beyond the scope of this Annual Report, but



will be presented in the next Annual Report that will cover activities between September 1, 2004, and August 31, 2005.



This report is organized into seven primary sections and four appendices:

- I. Introduction**—addresses the background of the 2000 GUP, its overall requirements, the reporting period of the Annual Report, and the organization of the Annual Report, and provides a glossary of terms used in this report.
- II. Development Overview**—presents major statistics on certain 2000 GUP provisions, including the academic building area cap, the distribution of development, development projects that do not count toward the building area cap, housing, and parking.
- III. Overview of Monitoring During Fourth Year**—summarizes Stanford's activities and status of compliance with 2000 GUP conditions.
- IV. Project Summaries**—provides summaries of each individual Stanford project that received Architectural and Site Approval (ASA) within this Annual Report's reporting period.
- V. Other Significant Activities**—summarizes other activities that occurred during the fourth year that are not GUP-related but otherwise relevant to development at Stanford.
- VI. Anticipated Future Development**—lists projects anticipated for submittal/approval under Annual Report 4 and illustrates their proposed locations.
- VII. Other Information**—presents references for the information used in the Annual Report and the persons involved in its preparation.

**Appendix A**—provides two maps to illustrate the general orientation of Stanford lands and campus.

**Appendix B**—presents the complete list of 2000 GUP conditions and associated compliance activities.

**Appendix C**—provides cumulative tables and location maps for building projects, housing projects, parking projects, and grading projects.

**Appendix D**—provides a summary of the result of traffic monitoring at the Stanford campus between 2001 and 2004.

## Glossary of Terms

The following terms and acronyms are used in this Annual Report:

<b>AR</b>	<b>Annual Report:</b> “AR 4” refers to Stanford's fourth annual report on development and compliance with GUP conditions.
<b>ASA</b>	<b>Architectural and Site Approval:</b> A procedure established by the County of Santa Clara Zoning ordinance to review the quality of site and architectural design associated with a proposed project. ASA may establish conditions of approval that change and improve development design.
<b>CEQA</b>	<b>California Environmental Quality Act:</b> The overarching California law under which environmental reviews are conducted
<b>CP</b>	<b>Stanford Community Plan:</b> Plan that refines the policies of the Santa Clara County’s 1995 General Plan as they apply to Stanford lands under County jurisdiction
<b>CDFG</b>	<b>California Department of Fish and Game</b>
<b>EIR</b>	<b>Environmental Impact Report:</b> Document that report the result of environmental analyses conducted under CEQA
<b>GSF</b>	<b>gross square feet:</b> The total number of square footage of construction, irrespective of any demolition conducted
<b>GUP</b>	<b>General Use Permit:</b> Permit issued to Stanford by the County of Santa Clara, which describes the allowable distribution of additional building area, and establishes procedures under which construction may occur and associated measures that must be accomplished before, during and after construction as conditions of approval for development
<b>NPS</b>	<b>non-point source:</b> Refers to pollution of runoff by diffuse sources, such as vehicle traffic on parking lots or streets
<b>NSF</b>	<b>net square feet:</b> Total “net” or overall change in square footage. This category designates a total amount of positive or negative square footage for a project, based on square footage of total construction (“gross square footage”) less any “credits” for demolition.
<b>SDS</b>	<b>Sustainable Development Study:</b> Plan to direct future development on Stanford lands. Under GUP Condition of approval E.5, Stanford must submit SDS for County Planning Office approval prior to cumulative development of 1,000,000 gsf.
<b>USFWS</b>	<b>United States Fish and Wildlife Service</b>

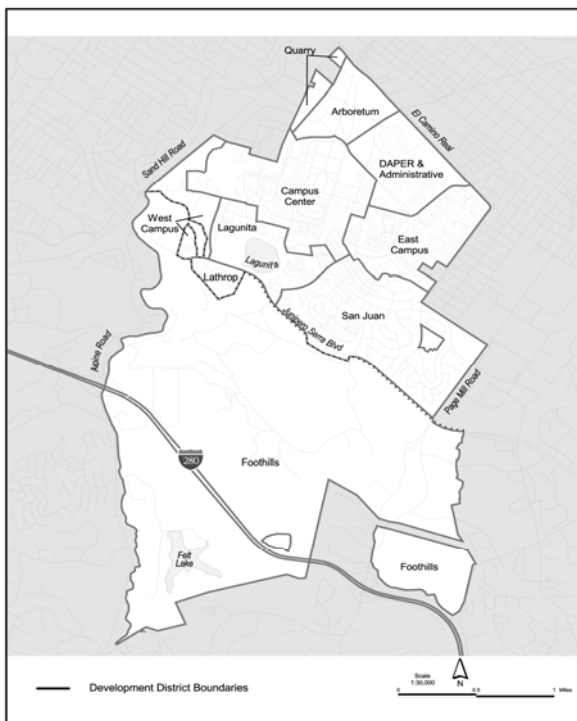
## II. Development Overview

### Academic Building Area Cap

The 2000 GUP (GUP Condition A.1.b) establishes a 2,035,000-net-square-foot building area cap for new academic and academic support uses. The limit applies to most nonresidential development that occurs during the time that this GUP is in effect. Because the exact amount of square footage may change due to design refinements that occur between initial ASA application and issuance of a building permit, the County requires that the actual square footage deducted from the building area cap be documented at the time a building permit is issued. Deductions from the 2000 GUP building area cap are made in this annual report for those projects that received building permits between September 1, 2003 and August 31, 2004.

The GUP generally distributes the 2,035,000 sq. ft. of additional academic and academic support facilities among 10 development districts on the Stanford Campus. Figure 3 provides a map with the names and locations of the districts. The majority of 2000 GUP academic building area, 1,605,000 gross square feet (gsf), is allocated to the Campus Center. The allocation of square footage between the development districts can deviate from the GUP's general allocation as long as the GUP procedures are followed (see GUP Condition E.2).

*See Appendix A for maps illustrating the general orientation of Stanford lands and the Stanford campus.*



Source: Stanford University General Use Permit, December 2000

Figure 3 Stanford University Development Districts

During the AR 4 reporting period, only two projects that added academic/academic support space under the 2000 GUP building area cap received building permits. As shown on Table 1, the Arrillaga Community Recreation Center and the Maples Pavilion projects together used 93,094 sq. ft. of the development permitted under the 2000 GUP building area cap. Taking into account a demolition credit for the Maples ticket booth (-179 sq. ft.), the projects that received building permits during the AR 4 period resulted in a net building area contribution of 92,915 sq. ft. to the 2000 GUP building area cap. Several other projects received ASA approvals, and building or grading permits during the current period but did not result in debits against the 2000 GUP building area cap, because they did not result in new building space, or because they used space allowed under additional building area caps. Please see Table 5, which lists all projects that saw activity during AR 4 reporting period.

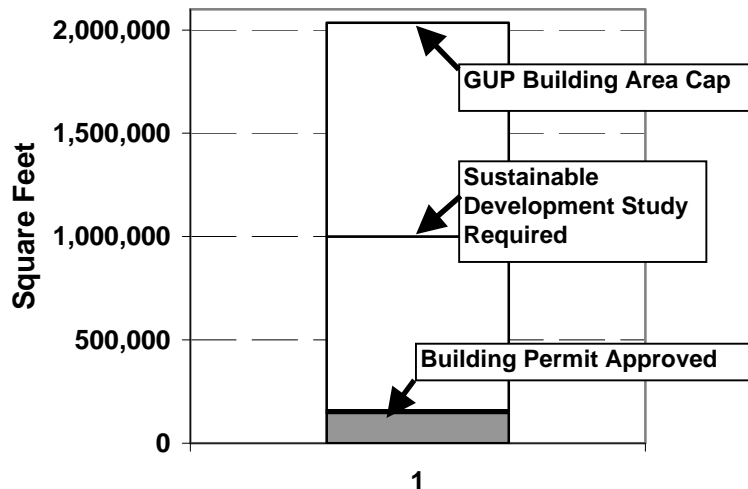
Figure 4 illustrates the cumulative status of ASA-approved square footage and building-permit-approved square footage for academic/academic support facilities, including the square footage counted during the 2003/2004 academic year, as also shown on Table 1. In addition, it illustrates the remaining allowable square footage for development under the 2000 GUP.

Prior to development that results in a cumulative total of more than one million net new square feet of nonresidential development that counts toward the GUP building area cap, Stanford will complete a Sustainable Development Study (SDS) and submit it to the County Planning Office. The SDS must be approved by the County Board of Supervisors.



## II. Development Overview

*Figure 4 illustrates the cumulative status of development that counts toward the GUP building area cap. The square footage of building permit approvals is cumulative. In contrast, ASA-approved square footage is only shown when there has been ASA approval but no building permit has been issued.*



□ GUP Building Area Cap (2,035,000 sq ft)

■ ASA Approved but No Building Permit Issued (11,585 sq ft)  
(Note: Approval expired early in AR 5 reporting period)

■ Cumulative Building Permit Approved (147,728 sq ft)

**Figure 4 Cumulative Development Activity 9/1/00-8/31/04**

Figure 5, below, based on data in Table 1, illustrates the 2000 GUP distribution of academic/academic support square footage throughout the 10 development districts, and the academic/academic support square footage that received a building permit or ASA approval during the current reporting period. Note that one Campus Center project (Research Animal Facility Expansion) had received ASA-approval in a previous year, but was placed on hold and never received a building permit. The ASA approval for this project lapsed on October 25, 2004, early in the AR 5 reporting period.

A map of Stanford University's Development Districts is provided as Figure 3. The distribution of GUP-allowed academic and academic support development is detailed in Table 1.

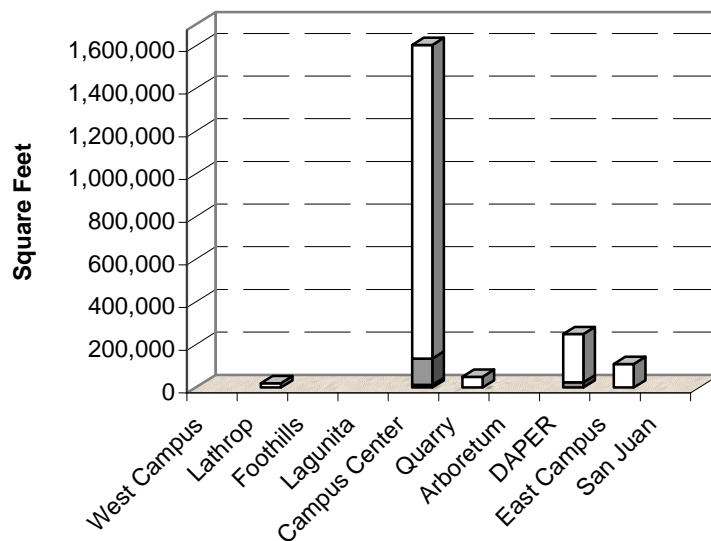


Figure 5 Distribution of Academic Development

## GUP Building Area Cap Projects

Table 1 lists the development districts, the 2000 GUP allocation of building area for each district, and the amount of academic/academic support square footage that received ASA or building permit approval in each district during this reporting period. The academic/academic support projects that do not change campus square footage are not shown on Table 1. See Section IV, Project Summaries, for additional information on projects that received ASA approval during the AR 4 reporting period.

## II. Development Overview

**TABLE 1  
ANNUAL REPORT 4  
DISTRIBUTION OF GUP-ALLOWED ACADEMIC AND ACADEMIC SUPPORT  
DEVELOPMENT<sup>1</sup>**

<b>Development District</b>	<b>2000 GUP Building Area Distribution<sup>2</sup> (gsf)</b>	<b>Project</b>	<b>ASA (Initial) Approved (sq. ft.)</b>	<b>Building Permit (Revised/Final) (sq. ft.)</b>	<b>Previous ARs Cumulative Building Permit Approvals (sq. ft.)</b>	<b>Cumulative Total Building Permits Approved (sq. ft.)</b>	<b>GUP Balance Remaining (sq. ft.)</b>
Campus Center	1,605,000	Arrillaga Family Recreation Center	75,000	74,796	49,271	124,067	1,480,933
DAPER & Administrative	250,000	Maples Pavilion Remodel and Expansion	18,332	18,298	5,542	23,661	226,339
		Maples Ticket Booth Demolition	(-179)	(-179)			
East Campus	110,000	N/A	0	0	0	0	110,000
Quarry	50,000	N/A	0	0	0	0	50,000
Lathrop	20,000	N/A	0	0	0	0	20,000
West Campus	0	N/A	0	0	0	0	0
Foothills	0	N/A	0	0	0	0	0
Lagunita	0	N/A	0	0	0	0	0
Arboretum	0	N/A	0	0	0	0	0
San Juan	0	N/A	0	0	0	0	0
<b>Total</b>	<b>2,035,000</b>	<b>N/A</b>	<b>93,153</b>	<b>92,915</b>	<b>54,813</b>	<b>147,728</b>	<b>1,887,272</b>

1. ASA is counted against the GUP cap in the reporting year in which the building permit is approved.

2. 2000 GUP Conditions E.2, 3, and 4 allow for deviations from the building area cap for each district. Any proposed increase in development in a district will be accompanied by an identified corresponding proposed decrease equivalent in building area in the other districts so that the overall campus-wide GUP building area cap is not exceeded. A cumulative maximum of 15,000 square feet of building area may be located in the Foothills District in a manner consistent with the General Plan and zoning. This amount may not be increased.

## Non-Building Area Cap Projects

### *Remaining 1989 GUP Approved Square Footage*

In addition to the 2,035,000 sq. ft. designated under the 2000 GUP building area cap, the 2000 GUP preserved the remaining 92,229 gsf of 1989 GUP-approved square footage. According to 2000 GUP Condition A.2.a, “any building area remaining under the 1989 General Use Permit which has not been developed at the time of approval under this General Use Permit shall not count toward the GUP building area cap.” (See Table 2)

During the AR 4 reporting period, two projects that would use remaining 1989 GUP building area received ASA approval, and one of these received a building permit. The CSLI-Media X/EPGY Annex Building (CSLI-EPGY), which received both ASA approval and a building permit during this period, would use 8,270 gsf of the remaining area allowed under the 1989 GUP building cap. The building area of this project is accounted for in Table 2, below. Section IV of this report includes an illustration of the project.

The second project, the Building 500 Remodel Project, has not yet received a building permit. This project was approved for 5,520 gsf. Of this area, 2,226 gsf would count against the 1989 GUP cap (thus completely expending the remaining 1989 allowance), and the remaining 3,254 gsf would count against the 2000 GUP cap. Presuming that this project receives a building permit, its square footage would be accounted for during the AR 5 reporting period. This project is described in Section VI.

### *Temporary Surge Space*

The 2000 GUP (Condition A.2.c) allows Stanford to use up to 50,000 sq. ft. in the form of temporary trailers as surge space during construction activities. The Maples Surge Trailers, which received a building permit and were installed during the AR 4 reporting period, will use 2,688 gsf of this allowance. Removal of the trailers is anticipated in December 2004 (during the AR 5 reporting period).

The Varian Surge Trailers also received ASA approval during the AR 4 reporting period, but had not received a building permit at the end of the reporting period. Their use of temporary surge space will be accounted for in AR 5.

## II. Development Overview

### *Childcare and Community Centers*

The 2000 GUP (Condition A.2.c) allows up to 40,000 sq. ft. of additional building area for the purpose of new childcare or community centers.

The Graduate Community Center received ASA approval and a building permit and was constructed during the AR 4 reporting period. The project used 12,000 gsf of the additional childcare and community centers building area allowed under the 2000 GUP. The project is described in Section IV.



**TABLE 2  
ANNUAL REPORT 4  
NON-BUILDING AREA CAP PROJECT SUMMARY**

<b>Non-Building Cap Category</b>	<b>Maximum Allowable Square Footage</b>	<b>Proposed Projects</b>	<b>ASA Approved (sf)</b>	<b>Building Permit (sf)</b>	<b>Cumulative Building Permits Approved (sf) in Previous ARs</b>	<b>Cumulative Total Building Permits Approved (sf)</b>	<b>Balance Remaining (sf)</b>
Remaining 1989 GUP Square Footage	92,229	CSLI/EPGY Annex	8,270	8,270	81,693	89,963	2,266
Temporary Surge Space	50,000	Maples Surge Trailers	2,688	2,688	0	2,688	47,312
Childcare/ Community Center	40,000	Graduate Community Center	12,000	12,000	768	12,768	27,232

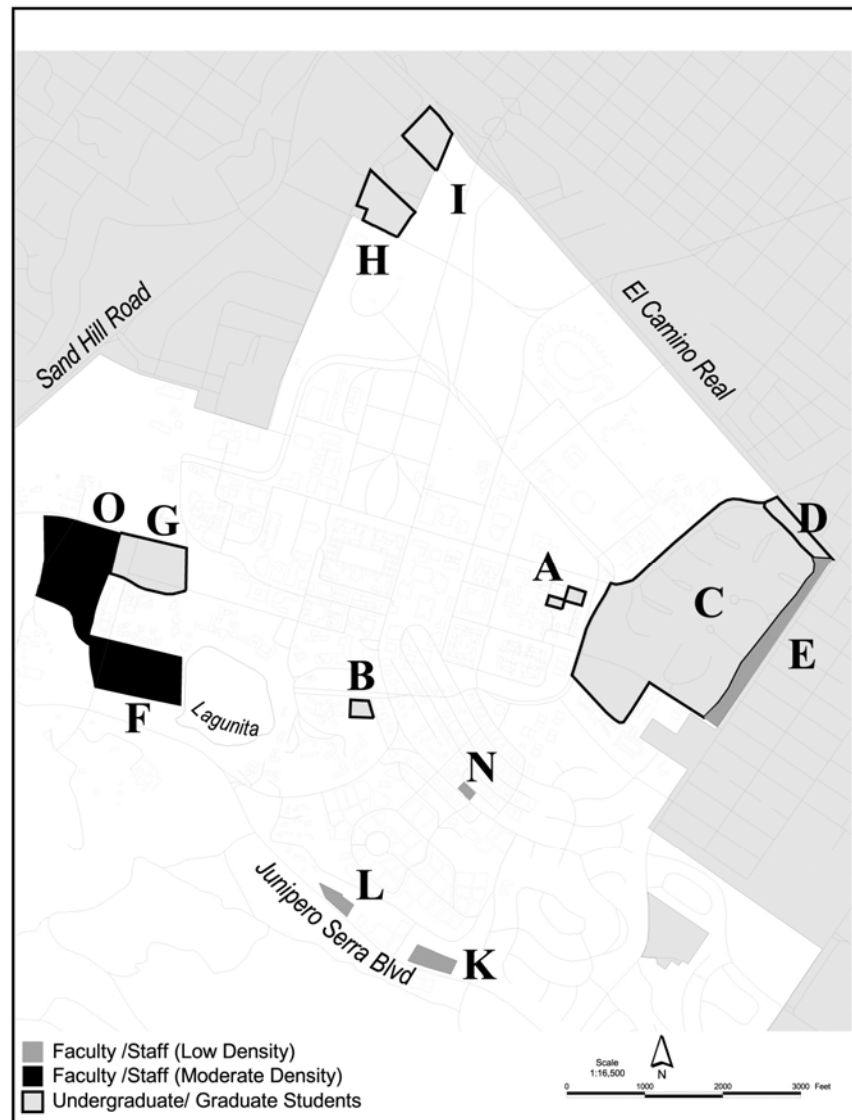
## II. Development Overview

### Housing

The 2000 GUP allows for the construction of 3,018 net new housing units on campus, with allocations for faculty and staff, graduate and under graduate students, and postdoc and medical students approximately as shown in Table 3. The GUP identified allowable locations of housing for students, staff and faculty. As with academic development space, the housing units will be distributed among the 10 development districts (see Table 3).

#### Legend:

- A** Manzanita
- B** Mayfield/Row
- C** Escondido Village
- D** Escondido Village
- E** Escondido Village
- F** Driving Range
- G** Searsville Block
- H** Quarry/Arboretum
- I** Quarry/El Camino
- K** Lower Frenchman's
- L** Gerona
- N** Mayfield
- O** Stable Sites



Source: Stanford University General Use Permit, December 2000

Figure 6 Housing Sites

Housing may be developed on sites other than those shown on Figure 6, and the estimated distribution of the type and location of housing among development districts may deviate from the locations described in the 2000 GUP pursuant to 2000 GUP

Conditions F.2, F.3, and F.4. As explained under 2000 GUP Condition A (A.1.c, A.1.d, and A.3.b), the square footage of housing units constructed is tracked but does not count toward the 2000 GUP building area cap (see Table C-2, Appendix C).

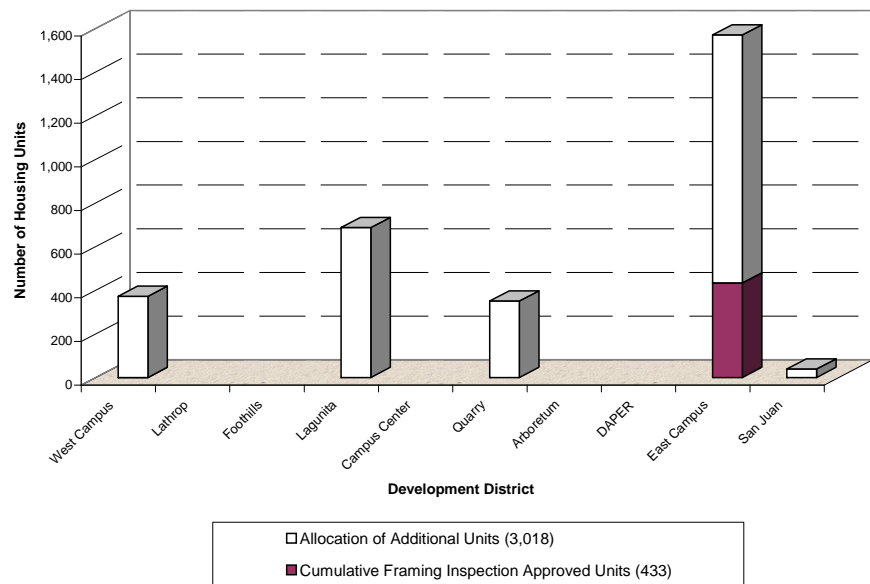
During the AR 4 reporting period, no housing projects were proposed, none received ASA or building permit approval, and none completed final framing inspection. Therefore, as illustrated in Figure 7, the cumulative total of approved units under the 2000 GUP allocation remains unchanged from last year at 433 units.

## II. Development Overview

**TABLE 3  
ANNUAL REPORT 4  
DISTRIBUTION OF RESIDENTIAL DEVELOPMENT**

<b>Development District<sup>1</sup></b>	<b>Allowable 2000 GUP Net Additional Units</b>	<b>Project Name</b>	<b>Square Footage</b>	<b>ASA Approved Units</b>	<b>Final Framing Inspection Approved Units</b>	<b>Cumulative</b>
West Campus Stable Site	372 Faculty/Staff	N/A	0	0	0	0
Lathrop	0	N/A	0	0	0	0
Foothills	0	N/A	0	0	0	0
Lagunita						
Driving Range	195 Faculty/Staff	N/A	0	0	0	0
Searsville Block	367 Graduate	N/A	0	0	0	0
Mayfield/Row	125 Undergrad/Grad	N/A	0	0	0	0
Campus Center	0	N/A	0	0	0	0
Quarry						
Quarry/Arboretum	200 Postdoc	N/A	0	0	0	0
Quarry/El Camino	150 Postdoc	N/A	0	0	0	0
Arboretum	0	N/A	0	0	0	0
DAPER & Administrative	0	N/A	0	0	0	0
East Campus						
Manzanita	100 Undergrad/Grad	N/A	0	0	0	
Escondido Village	1,395 Graduate	N/A	0	0	0	
Stanford Avenue	75 Faculty/Staff	N/A	0	0	0	433
San Juan						
Lower Frenchman's	18 Faculty/Staff	N/A	0	0	0	0
Gerona	12 Faculty/Staff	N/A	0	0	0	0
Mayfield	9 Faculty/Staff	N/A	0	0	0	0
<b>Total</b>	<b>3,018 Allowed<sup>2</sup></b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>433<sup>3</sup></b>

1. Housing may be developed on other sites and development may vary from the estimated distribution with regard to either the type (student, postdoctoral, or faculty/staff) or amount of housing on the site (2000 GUP Conditions F.2, F.3, and F.4).
2. Additional housing may be approved by the Planning Commission (2000 GUP Condition F.7).
3. Cumulative totals include results from previous annual reports. See Appendix C and/or previous annual reports for more detailed background on these cumulative figures.



**Figure 7 Distribution of Residential Units**

## Parking

The 2000 GUP allows for 2,300 net new parking spaces above the campus base of 19,351 spaces. As explained in 2000 GUP Condition A.3.c, the building area of parking structures does not count towards the 2000 GUP building area cap (Table 4). As with building area square footage and housing, parking spaces have been distributed among the development districts (Figure 8). Table 4 details changes in parking spaces during the current reporting period, and cumulative increases and decreases in parking spaces on the campus during the Annual Report 1 through 4 reporting periods.

As detailed in Table 4, five parking projects and numerous small restriping and reconfiguration projects in the Campus Center, Daper & Administrative, East Campus and Lagunita development districts during the AR 4 reporting period resulted in a net decrease of 91 campus parking spaces on campus. Twenty-nine campus parking spaces were removed during the AR 1 reporting period; there was a net addition of 31 spaces during the AR 2 period; and there was a net increase of 394 parking spaces during the AR 3 reporting period. With the net displacement of 91 spaces during the AR 4 reporting period, the cumulative change in the parking inventory is a net increase of 305 parking spaces under the 2000 GUP.



## II. Development Overview

**TABLE 4  
ANNUAL REPORT 4  
DISTRIBUTION OF PARKING**

Development District	Base Parking GUP EIR	2000 GUP Allowed Change in Parking Spaces	AR 4 Projects	Changes to Parking Inventory				Unused 2000 GUP Allocation
				AR 4 Contribution	Previous AR Contribution	Cumulative (AR 1 Through Current AR 4)	EIR Base Plus Cumulative Change (Current Parking Capacity)	
West Campus	191	50	None	0	0	0	191	50
Lathrop	0	50	None	0	0	0	0	50
Foothills	0	0	None	0	0	0	0	0
Lagunita	1,745	700	Misc. restriping <sup>3</sup>	(-8)	0	(-8)	1,737	708
Campus Center	8,743	200	Anatomy Lot Reopening	26				
			Encina Gym/ Arrillaga Rec. Center Construction	(-17)				
			Ventura Lot Closing- CSLI/EPGY Annex Construction	(-21)				
			Misc. restriping <sup>3</sup>	3				
			Campus Center subtotal					
Quarry	1,058	800	N/A	0	0	0	1,058	800
Arboretum	134	0	N/A	0	0	0	134	0
DAPER & Administrative	2,209	1,700	Misc. restriping <sup>3</sup>	15	(-18)	(-3)	2,206	1,703
East Campus	4,731	900	Housing Maintenance Yard Project	(-25)				
			Graduate Comm. Center Parking Lot	(-35)				
			Misc. restriping <sup>3</sup>	(-29)				
East Campus subtotal				(-89)	461	372	5,103	528
San Juan	540	100	N/A	0	0	0	540	100
Campus Wide Summary	19,351	2,300 <sup>4</sup>		(-91)	396	305	19,656	1,995

1. According to 2000 GUP Condition H.1, the total net additional parking on campus shall not exceed 2,300 spaces, except for parking provided with any housing that is constructed in excess of 3,018 planned housing units. Also, parking constructed as part of and for new faculty/staff housing in areas designated Campus Residential-Low Density and Campus Residential-Medium Density will not count toward the limit for each development district.

2. Unused allocation equals parking spaces allocated to each district under GUP, less the cumulative parking space changes during periods AR 1 through AR 3. Reductions in parking spaces result in net parking allocation to district in excess of GUP allocations.

3. Includes numerous reconfiguration/restriping/ADA projects. Details on file with Stanford and the County.

4. Under the 2000 GUP, Stanford is limited to constructing 2,300 net new spaces campus wide. In order to allow flexibility in the distribution of parking, the GUP also sets an upper limit for new parking in each development district. Some districts will ultimately build less than their GUP allocations. Thus, the sum of unused district allocations is more than the remaining 2000 GUP allocation, which is the campus-wide maximum number of parking spaces that will be built under this GUP.

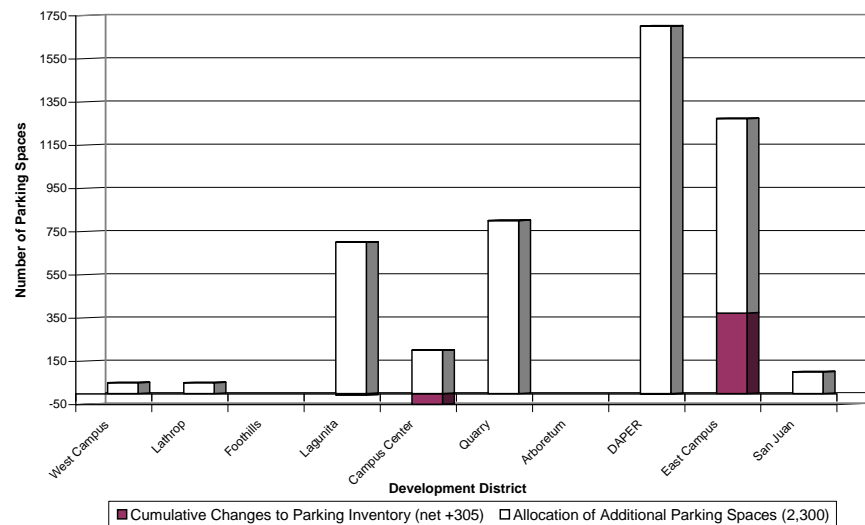


Figure 8 Distribution of Parking Spaces

## Summary of All Project Activity During the AR 4 Reporting Period

Table 5, below, summarizes the status of all projects that saw activity during the AR 4 reporting period. Note that only two of the listed projects contributed building space that was debited against the 2000 GUP academic / academic support space building area cap during the AR 4 reporting year. Other projects that received building or grading permits this year either did not contribute new building space to the campus, or used temporary surge space, childcare and community center space, or space allocation remaining under the 1989 GUP. Square footage debits against these caps are show in Tables 1 and 2, above.

## II. Development Overview

**TABLE 5**  
**PROJECT ACTIVITY DURING THE ANNUAL REPORT 4 REPORTING PERIOD**

Project Description	County File No.	Campus District	ASA/SPE <sup>1</sup> Year	Building Grading Permit Year	Status at End of AR 4 Reporting Period	Anticipated Completion	Other Features	More Information
<b>Chem and Bio Bldg. (Lokey Lab)</b> Construct new building with lab and support space for the Chemistry and Biology Departments	8127	Campus Center	AR 1	AR 2	Construction completed		Improved fire protection; corrects past code deficiencies	AR 2
<b>Encina Tennis Courts</b> Reconfigure parking lot, tennis court space, construct new bleachers, other ancillary tennis facilities	8139	Campus Center	AR 1	AR 3	Construction completed		No building space added	AR 1
<b>EV Maintenance Spaces</b> Reconfigure existing maintenance yard parking, convert existing driveway into dedicated pedestrian/ bike path	8576	East Campus	AR 3	AR 3	Construction completed		No building space added	AR 3
<b>Electronics Communications Hub-West (ECH West)<sup>1</sup></b> Construct new building to house campus data and communications system equipment	8643	Campus Center	AR 3	AR 3	Construction completed			AR 3
<b>Carnegie Global Ecology Building</b> Construct new office and laboratory research building and support facilities	8492	Campus Center	AR 3	AR 3	Construction completed		Demolish/replace existing greenhouses, storage sheds	AR 3
<b>California Tiger Salamander Breeding Ponds</b> Reconfigure five existing CTS breeding ponds to create two larger and six new ponds	8244	Foothills	AR 2	AR 3	Construction completed		No building space added	AR 2
<b>West Campus Storm Water Detention (Stock Farm Sand Hill Detention Basin)</b> Construct detention basins to accommodate increased runoff associated with campus development in the San Francisquito Creek watershed	8614	West Campus	AR 3	AR 4	Construction completed		No building space added	AR 3
<b>Maples Surge Trailers*</b> Install trailers for temporary showers and lockers during renovation of Maples Pavilion	4793	Campus Center	AR 4	AR 4	Construction completed	1/05, AR 5	Temporary Surge Space	AR 4 Sect. IV
<b>Graduate Community Center*</b> Construct new two-story community center bldg. for campus graduate students	8715	East Campus	AR 4	AR 4	Construction completed		Childcare/ Community Center Space	AR 4, Sec. IV

**TABLE 5**  
**PROJECT ACTIVITY DURING THE ANNUAL REPORT 4 REPORTING PERIOD**

Project Description	County File No.	Campus District	ASA/SPE <sup>1</sup> Year	Building Grading Permit Year	Status at End of AR 4 Reporting Period	Anticipated Completion	Other Features	More Information
<b>Hole #3 Golf Cart Bridge Replacement*<sup>1</sup></b> Construct new bridge golf cart bridge, Sand Hill Golf Course Hole #3.	8605	Foothills	AR 4	AR 4	Construction completed		No building space added	AR 4, Sec. V
<b>The Lucas Center Expansion Project</b> Add space in two subgrade levels to the existing Lucas Center Building	8499	Campus Center	AR 3	AR 3	Under construction	AR 5		AR 3
<b>Golf Course Reconfiguration</b> Reconfigure Sand Hill Golf Course holes 3 and 4 to allow widening of Sand Hill Road in Menlo Park	8605	Foothill	AR 3	AR 4	Under construction	AR 5	No building space added	AR 3
<b>Arrillaga Family Recreation Center*</b> Construct new two-story recreation center	8398	Campus Center	AR 4	AR 4	Under construction	AR 5	Removal of Encina Gym	AR 4, Sec. IV
<b>Maples Pavilion Addition</b> Remodel and additions to existing athletic event support space	8572	Daper & Admin	AR 3	AR 4	Demolition completed, addition under construction	AR 5	Demolition of Maples Pavilion ticket booth	AR 3
<b>CSLI-Media X/EPGY Annex Building (CSLI/EPGY)*</b> Construct two-story academic building for education/research program expansion	8720	Campus Center	AR 4	AR 4	Under construction	AR 5	1989 GUP building area cap	AR 4, Sec. V
<b>Serra Street Drainage Barrier<sup>1</sup></b> Re-grade part of Serra Street to improve drainage	8972	Daper & Admin	AR 4	AR 4	Under construction	AR 5		AR 4, Sec. IV
<b>Varian 2 Surge Trailers*</b> Relocate undergraduate teaching labs from Varian Building to two existing construction trailers during construction of new Varian 2 bldg.	8948	Campus Center	AR 4		Awaiting permit	AR 5	Temporary Surge space	AR 4, Sec. IV
<b>Building 500 Remodel</b> Remodel interior double-height space in existing building to provide additional interior space	21929 <sup>2</sup>	Campus Center	N/A	AR 5	Awaiting permit			AR 4, Sec. VI
<b>Foothills Projects<sup>1</sup></b> Group of small installations, incl. 2 Stanford Radio Club antennae, 2 small guard shelters, 9 recreation route interpretive signs	8908	Foothills			Application incomplete	AR 5		AR 4, Sec. V

## II. Development Overview

**TABLE 5**  
**PROJECT ACTIVITY DURING THE ANNUAL REPORT 4 REPORTING PERIOD**

Project Description	County File No.	Campus District	ASA/SPE <sup>1</sup> Year	Building Grading Permit Year	Status at End of AR 4 Reporting Period	Anticipated Completion	Other Features	More Information
<b>Varian 2 Bldg</b> Construct new Varian Physics building (2 floors above grade, 2 floors below grade) for dry laboratories and admin.	8918	Campus Center			Application incomplete		Existing HEPL labs would be demolished	AR 4, Sec. V
<b>Fremont Rd. Stockpile Time Ext.</b> Extend use of existing stockpile for Sand Hill Rd construction projects to 2006	7352	West Campus			Application Incomplete	AR 5	Does not contribute campus building space	AR 4, Sec. V
<b>Hole #4 Golf Cart Bridge Replacement (rev.)<sup>1</sup></b> Replace golf cart bridge	8605	Foothills			Awaiting approval	AR 5	Does not contribute campus building space	AR 4, Sec. V
<b>Taube Tennis Bleachers<sup>1</sup></b> Construct 200-seat bleacher structure at Taube Tennis Practice Courts	1867	Daper & Admin.			Awaiting approval	AR 5	Does not contribute campus building space	AR 4, Sec. V
<b>Band Modulares Time Ext.</b> Extend time previously permitted for use of existing modular structures	8142	East Campus			Awaiting approval	AR 5	Does not contribute new building space	AR 4, Sec. V
<b>Wilbur Modular</b>	5103	East Campus	AR 3		On hold	AR 5	Anticipated conversion to surge trailers	AR 3
<b>Research Animal Facility Expansion</b>	8489	Campus Center	AR 3		On hold		ASA approval to expire: Oct. 25, 2004	AR 3

**Note:** Projects contribute to academic building area cap unless otherwise noted

\* denotes ASA approval during the current reporting period.

1. Small Project Exemption

2. Building permit plan check number; ASA approval not required.



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### III. Overview of Monitoring During Fourth Year

This section provides a summary of activities conducted during the AR 4 reporting period, in compliance with 2000 GUP conditions. Please refer to Table 5, above, for the status of specific projects. For a complete discussion of compliance with each 2000 GUP condition, please see Appendix B.

#### **GUP Condition A: Building Area**

Details on the projects mentioned below are provided in Section II of this annual report, which also provides accounting of 2000 GUP space expenditure for those projects that received building permits during the AR 4 period. Descriptions and illustrations of projects that received ASA approval during the AR 4 reporting period are provided in Section IV. Please refer to Table 5 for more detailed information, which is summarized here, on the status of each project.

During the AR 4 reporting period, September 1, 2003 through August 31, 2004:

- Stanford completed construction on two academic/ academic support projects that had received ASA approval during previous reporting periods and received grading permits during the AR 4 period. These projects did not contribute square footage to any of the 2000 GUP building caps because they did not include academic or academic support building space.
- Three projects received both ASA approval or exemption and building permits and were completed. Of these three projects, one was exempt from ASA approval; one contributed to the community and childcare center 2000 GUP cap; and one contributed to the 2000 GUP surge space cap.
- Six additional academic/academic support projects received either ASA approval or small project exemption, and building permit approval, and began construction. Of these projects, two contributed square footage that was counted against the 2000 GUP building area cap during the current reporting period: Arrillaga Family Recreation Center (74,796 sq. ft.), and Maples Pavilion Addition (18,298 sq. ft. - 179 sq. ft. demolition = 18,119 sq. ft.), for a net increase from these projects of 92,915 gsf of academic and academic support space. The remaining projects either were of types that do not contribute building area, or that contributed to temporary or other space allotments under the 2000 GUP, as described below.
- One other academic/academic support project received ASA approval during the AR 4 reporting period, but is awaiting a building permit. Square footage for this project will be counted

against the appropriate 2000 GUP building area cap during the reporting year in which the project receives a building permit. See Section II and Section IV for details.

- Three projects that used or will use the square footage allowed in addition to the 2000 GUP building area cap were approved and permitted during the reporting period; construction was completed on two of these projects. The CSLI-Media X/EPGY Annex Building (CSLI/EPGY) will use 8,270-sq. ft. of the remaining 1989 GUP-approved square footage; the Maples Surge Trailers used 2,688 sq. ft. of the 50,000 sq. ft. of temporary surge space provided by the 2000 GUP; and the Graduate Community Center used 12,000 sq. ft. of the additional 40,000 sq. ft. provided for childcare and community centers under the 2000 GUP.

### **GUP Condition B: Framework**

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A total of seven projects received ASA approval or exemption during the AR 4 reporting period, as detailed in Section II. All were determined to be consistent with General Plan land use designations and zoning.

Stanford paid all costs associated with the work conducted by the County Planning Office in relation to the 2000 GUP (staff time, consultant fees, and the direct costs associated with report production and distribution) in a timely manner.

### **GUP Condition C: Monitoring, Reporting, and Implementation**

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The County Planning Office hired URS Corporation to prepare AR 4 pursuant to the 2000 GUP. Stanford provided funding for all aspects of the Annual Report and provided necessary information in a timely manner.

The draft Annual Report 4 was presented to the Community Resource Group in March 2005 and the final report will be presented to the Planning Commission at the June 2005 public hearing.

### **GUP Condition D: Permitting and Environmental Review**

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During the AR 4 reporting period, Stanford received ASA approval or small project exemptions for seven construction projects. All of these projects were determined to be consistent with the General Plan land use designations and zoning and were found to be

### III. Overview of Monitoring During Fourth Year

adequately analyzed in the CP/GUP EIR. See Section II of this annual report for the status of each project.

It is beyond the scope of this annual report to document every minor violation of County ordinances or other requirements that occur on Stanford land. When violations occur, they are addressed through appropriate County procedures. As of this annual report there has been no action that would require the County Planning Commission to consider or determine Stanford to be in non-compliance with any GUP condition or mitigation requirement. Stanford remains in compliance with the GUP.

The zoning enforcement office and building inspection office report that Stanford is in compliance with other County requirements.

#### **GUP Condition E: Academic Building Area Review**

Two of the projects approved during this reporting period contributed a net of 92,915 sq. ft. of academic and academic support building area in the Campus Center and East Campus Districts, which was counted against the 2000 GUP building area cap during the AR 4 reporting period. Cumulative academic and academic support development on campus under the 2000 GUP totals 147,728 gsf as of the end of the AR 4 reporting period. See Section II of this annual report for details.

#### **GUP Condition F: Housing**

No new housing was added to the Stanford campus during this reporting period. Cumulatively, the construction of housing during the first and second annual reporting periods had resulted in a cumulative increase of 433 housing units (Table 3) on campus.

Currently, Stanford capacity for providing units of student housing remains equivalent to the capacity identified by Stanford at the time of initial occupancy. Stanford's housing needs are subject to fluctuation during any given year. Accordingly, Stanford may redistribute the student population among existing housing facilities in any given year, based on current population and programmatic needs. The county will, as needed, reassess housing availability status with appropriate Stanford staff. If Stanford should ever apply for a development permit that would change the number of beds available to students, that action and the change in beds would be reported in the Annual Report.

The 2000 GUP requires Stanford to build additional housing units commensurate with the development of academic/academic

support facilities, with the first threshold at 605 housing units for 500,000 gsf of academic development. Stanford is in compliance with this requirement and is on track with building additional housing as academic space is added to the campus.

Stanford has complied with County requests for in-lieu payments after building permit issuance and before occupancy. The affordable housing fees are assessed at the rate of \$15.58 per square foot of final building permit, as of May 8, 2004.

### **GUP Condition G: Transportation**

A baseline traffic count to determine the existing level of commute trips entering the campus during the morning peak commute period and leaving the campus during the evening peak commute period has been established. This report is available for review at the County and is also available on the County website. Results of subsequent traffic monitoring are summarized in Appendix D of this document.

The Annual Report normally reports on activity between September 1 and August 31. Prior to, during, and following this reporting period, there has been much activity related to the traffic baseline and comparison counts. Editorial corrections were made to the traffic baseline; subsequent changes to data sampling periods for comparison years have been made. The County has also worked with Stanford to address how “credits,” as provided by the GUP, can be counted against the annual traffic counts. For this reason, a summary of these activities was developed and is included in this annual report. An updated version of this summary will be included in future annual reports to address the current status of traffic counts and Stanford compliance with the “no-net-new commute trip” standard. (See Appendix D for the current summary.)

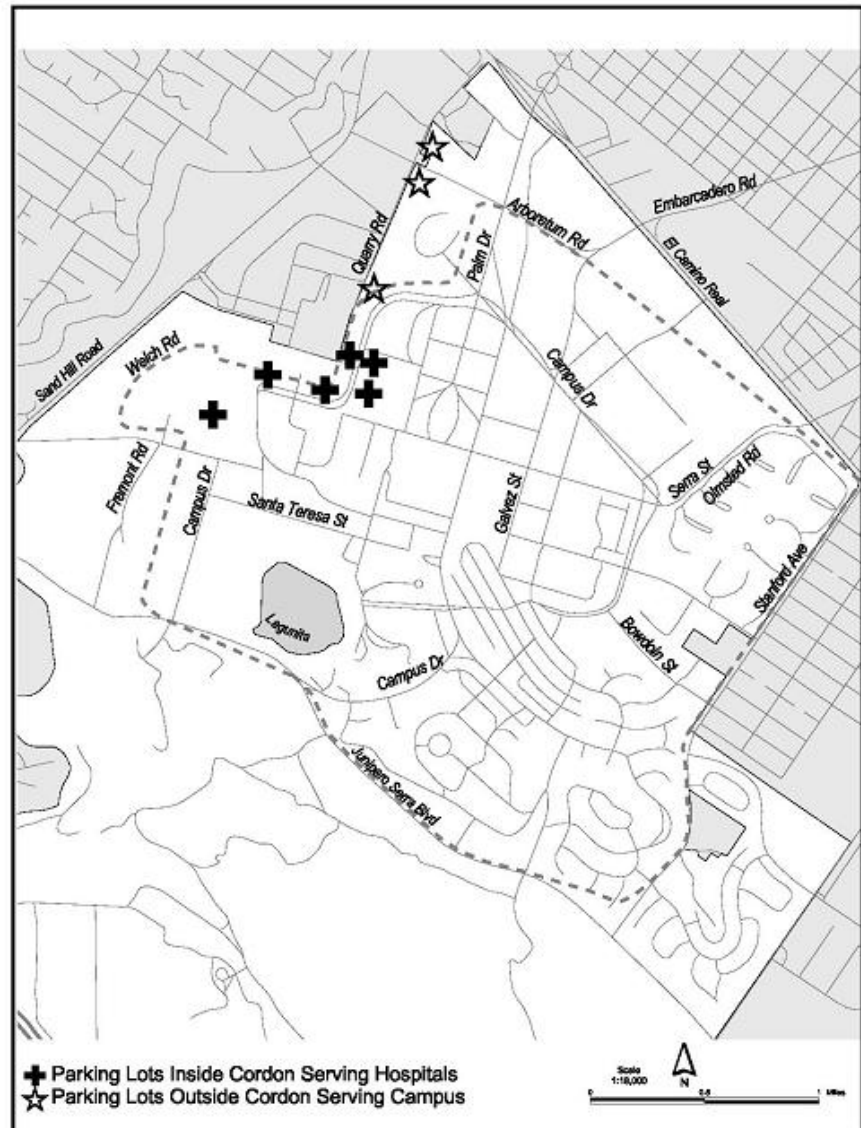
Year 3 traffic counts were taken in Spring 2004 and completed in the fall. Traffic monitoring cordon locations are shown on Figure 9, below. Data and analysis of these counts, reported in January 2005 (Korve 2005), are provided in Appendix D of this annual report.

During the AR 3 and 4 periods, the Stanford Community Resource Group reviewed County Guidelines for providing traffic credits to Stanford. A plan was finalized and continues to be utilized when finalizing Stanford compliance with the “no-net-new-commute-trip” standard.

During AR 4 period, the City of Palo Alto requested that the County implement GUP condition G.11. The County, Stanford, and the City of Palo Alto are engaged in a dialogue regarding the

### III. Overview of Monitoring During Fourth Year

condition and a neighborhood study that was undertaken by the city.



Source: Stanford University General Use Permit, December 2000

Figure 9. Traffic Monitoring Cordon Locations

#### GUP Condition H: Parking

Five parking projects and a number of miscellaneous small restriping or reconfiguration projects received ASA and building or grading permit approval during the fourth annual reporting period. Together these projects resulted in a net reduction of parking spaces on campus (-91), for a net cumulative increase of 305 parking spaces during the AR 1 through 4 reporting periods. The changes in parking occurred in the Lagunita, Campus Center, DAPER & Administrative, and East Campus Districts. All five

## Annual Report 4

projects had been completed as of August 31, 2004. Section II, Table 4 and Appendix C-3, Map C-3 and Figure 10 provide details on parking locations and number of parking spaces affected in each district.

### **GUP Condition I: Parks and Recreation Facilities**

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See previous annual reports for background activity related to GUP Condition I.1. During the Annual Report 4 reporting period, a Draft SEIR for the S1 trail alignment was completed. The C1 alignment will be addressed at a future date. A summary of events that occurred after the end of the AR 4 reporting period (e.g., circulation of the Draft SEIR, end of public comment period, preparation of CEQA-required Responses to Comments) will be provided in Annual Report 5.

See previous annual reports for additional background on GUP Condition I.2. At the April 8, 2004 ASA Meeting, the ASA Committee accepted the *Stanford University Program for the Replacement of Recreational Facilities in the San Juan District*. This plan describes the mitigation process that will be utilized for replacement of recreational facilities as described in the GUP.

### **GUP Condition J: California Tiger Salamander**

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None of the seven projects approved during the reporting period will affect California tiger salamander (CTS) habitat.

Construction of eight CTS breeding ponds was completed during this reporting period.

Three CTS tunnels were constructed across Junipero Serra Boulevard during this reporting period. Construction was completed prior to December 11, 2003, in accordance with GUP Condition J.8.

### **GUP Condition K: Biological Resources**

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Prior to grading activities for one project in a riparian or oak woodland zone--the West Campus Storm Detention Project--which was approved during the AR 3 reporting period and constructed during the AR 4 period, the County hired an independent qualified biologist to complete a special-status plant survey. The study was conducted near the end of the AR 3 period, prior to initiation of construction, which occurred at the beginning of the AR 4 reporting period. For more details, see Appendix B, Condition K.1.



### III. Overview of Monitoring During Fourth Year

Seven projects that began construction during the current reporting period required pre-construction surveys for breeding raptors and migratory birds. Projects and results are reported in Appendix B, Condition K.2.

Two projects that began construction during the reporting period occur within oak woodland habitat. Both projects included appropriate habitat creation or restoration. See Appendix B, K.3.

Two projects approved during this period will affect trees protected by the Stanford Community plan policies and project-specific conditions of approval. Affected trees have been or will be relocated or replaced in accordance with County Planning guidelines. Details are provided in Appendix B, Condition K.4.

As stated in previous annual reports, the Special Conservation Area Plan was one of numerous plans, reports and actions that was required to be submitted within one year of the GUP. To resolve issues associated with some of these other reports and actions (e.g., storm water mitigation, interim groundwater recharge measures, recreational facility improvement plan, wetland delineation, special events management, etc.), the County and Stanford plan to address needed refinements to the Draft Special Conservation Area Plan as other critical tasks are completed.

#### **GUP Condition L: Visual Resources**

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No significant activity regarding visual resources conditions occurred during this reporting period.

#### **GUP Condition M: Hazardous Materials**

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Stanford complies with the County of Santa Clara hazardous materials management requirements by completing a Hazardous Materials Business Plan for the University as a whole, and a Hazardous Materials Management Plan for each building in which hazardous materials are stored and/or used. The following elements are included:

- The Emergency Response/Contingency Plan, which contains roles and responsibilities of Stanford University faculty, staff and researchers, as well as emergency contact information.
- Training Plan, which details the training received by emergency responders, students, faculty, and staff.
- Chemical Hazard Communication Policy which details container labeling requirements, availability and use of



Material Safety Data Sheets, additional laboratory specific hazard training, and chemical inventory requirements.

- Standards for safe storage, containment, and segregation of hazardous materials.
- Various maps showing the locations where hazardous materials are stored.
- Periodic inspections of hazardous material use and storage locations in accordance with the Cal-OSHA “Injury and Illness Prevention Program” (IIPP), and the Santa Clara County requirements.
- Response to and records of hazardous material spills.

Hazardous material information was provided in the ASA applications for all projects proposed or approved during the reporting period that required such information. Since no projects were proposed or approved during the period that trigger the California Accidental Release Prevention (CAL-ARP) law, no Risk Management Plans were prepared. None of the projects approved during the current reporting period will store hazardous materials.

### **GUP Condition N: Geology and Hydrology**

Stanford submitted an updated Notice of Intent (NOI) to join the State of California General Storm Water Construction Permit to the San Francisco Regional Water Quality Control Board in accordance with the NPDES General Permit on June 30, 2004. The updated NOI outlines completed projects, projects under construction, and planned future projects.

Notices of Termination (NOT) were prepared for individual construction sites that completed all construction work during the prior year, in cases where these were required. Note that the required reporting period for NOTs differs from the reporting year for Stanford annual reports; thus NOTs for some projects completed during the Stanford annual report year may be reported in a prior or subsequent Stanford annual report consistent with the NOT reporting calendar. NOTs were prepared during the reporting period for Lokey Lab (Chem-Bio Building), Clark Center, and Stockfarm/Sand Hill Detention Basins. These NOTs are for internal tracking. An official NOT will be prepared for the entire campus and submitted to the Regional Water Quality Control Board when all construction projects covered under the Notice of Intent are complete.

### III. Overview of Monitoring During Fourth Year

Regarding storm drainage and flood control, Stanford and the County reached agreement on the approach and engineering design criteria for detention provisions to avoid increases in peak runoff flow rate from the campus in the San Francisquito Creek watershed. Stanford continued with implementation of its storm drainage master plan for both detention and protection of campus facilities, and engineering for the remaining barriers to divert overland flows away from structures to streets and malls, and Phase 1 of the west campus detention basins was completed April 8, 2004. With these improvements and the detention basins constructed previously in the Matadero watershed, Stanford is poised to mitigate runoff from a substantial portion of its development under the 2000 GUP in compliance with Conditions of Approval N.2 and N.3

Two projects within the Unconfined Zone received approval during this reporting period. The projects are consistent with the County-approved project-specific interim plans for mitigating lost groundwater recharge. Stanford has prepared a proposed campus-wide groundwater recharge plan to mitigate lost recharge from all projects in the Unconfined Zone. See Appendix B, Condition N.4.

#### **GUP Condition O: Cultural Resources**

One project that received both ASA approval and a building permit during the current reporting period included the demolition of an historic building that was evaluated as historically significant. The impact of its demolition was assessed in a Supplemental EIR, which concluded that the loss of historical resources was significant and unavoidable. A Statement of Overriding Considerations was adopted by the County Architectural and Site Approval Committee. Mitigation measures were applied before the demolition of the building.

One project under construction during the current reporting period has the potential to affect a known prehistoric archaeological site. The approval for this project included restrictions on grading and excavation, and monitoring during construction based on recommendations from the Campus Archaeologist and an independent archaeologist. The project complied with these conditions during construction. For details, see Appendix B, Condition O.3.

#### **GUP Condition P: Utilities and Public Services**

The development project applications submitted during this reporting period presented information that demonstrated that the

wastewater collection system capacity would not be exceeded by any of the projects.

Stanford's daily water usage during the AR 4 reporting period averaged 2.5 million gallons per day (mgd). This was below the 3.033 mgd allocation.

The Santa Clara County Planning Office staff and the Santa Clara Water District Staff have agreed to annually review Stanford implementation of the Water Conservation and Recycling Plan in the following way. Stanford submits a summary of water conservation measures implemented and a calculation of water savings. Santa Clara Valley Water District staff review the data and provide feedback to the County. The County considers this feedback in determination of Stanford's annual and long-term compliance with the mitigation measures and the GUP conditions.

Since the GUP was approved, Stanford has performed effective conservation outreach and education, as evidenced by County staff discussions with campus facility managers. Stanford has also continued to retrofit plumbing fixtures, converted some landscaped areas from domestic water irrigation to lake water irrigation, partially replaced turf with drought-tolerant plantings, retrofitted once-through cooling systems in lab buildings, and installed Water Misers for steam sterilizers. The calculated savings of these programs since GUP approval is approximately 0.29 mgd.

### **GUP Condition Q: Air Quality**

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All approved projects were required to comply with BAAQMD's permitting, control measures and recommendations as appropriate. Air Quality permits were received for diesel emergency generators associated with five projects. BAAQMD issued an Authority to Construct for one current project (Maples Pavilion). Air Toxics risk assessments were completed for all these projects as well as for nine generators installed during the period 5/17/2000 to 9/1/01. The results of all risk assessments demonstrated that emissions are in compliance with BAAQMD air toxics requirements.

### **GUP Condition R: Noise**

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Stanford is allowed, per the 2000 GUP, to have two fireworks displays per year. Additional firework displays may be allowed if an entertainment permit is obtained. During the reporting period, Stanford carried out the two GUP-allowed fireworks displays for July 4<sup>th</sup> celebration and for the Cal/Stanford football game.

### III. Overview of Monitoring During Fourth Year

Stanford is maintaining a noise hotline phone number. The number is (650) 724-4900. Three noise complaints, one in regard to construction noise and two in relation to event noise, were received during the AR 4 reporting period

#### **GUP Condition S: Additional GUP Conditions**

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No other significant activity occurred during this reporting period. See Annual Reports 1 through 3 for previous activities.

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## IV. Project Summaries

This section presents brief project summaries of all projects that received ASA approval or exemption during the reporting period. Figure 10 shows the locations of the ASA-approved projects. Table 6 provides summary data on these projects.

*Figure 10 depicts the locations of ASA approved projects. For a general orientation to the Stanford campus, see Appendix A, Map 2.*

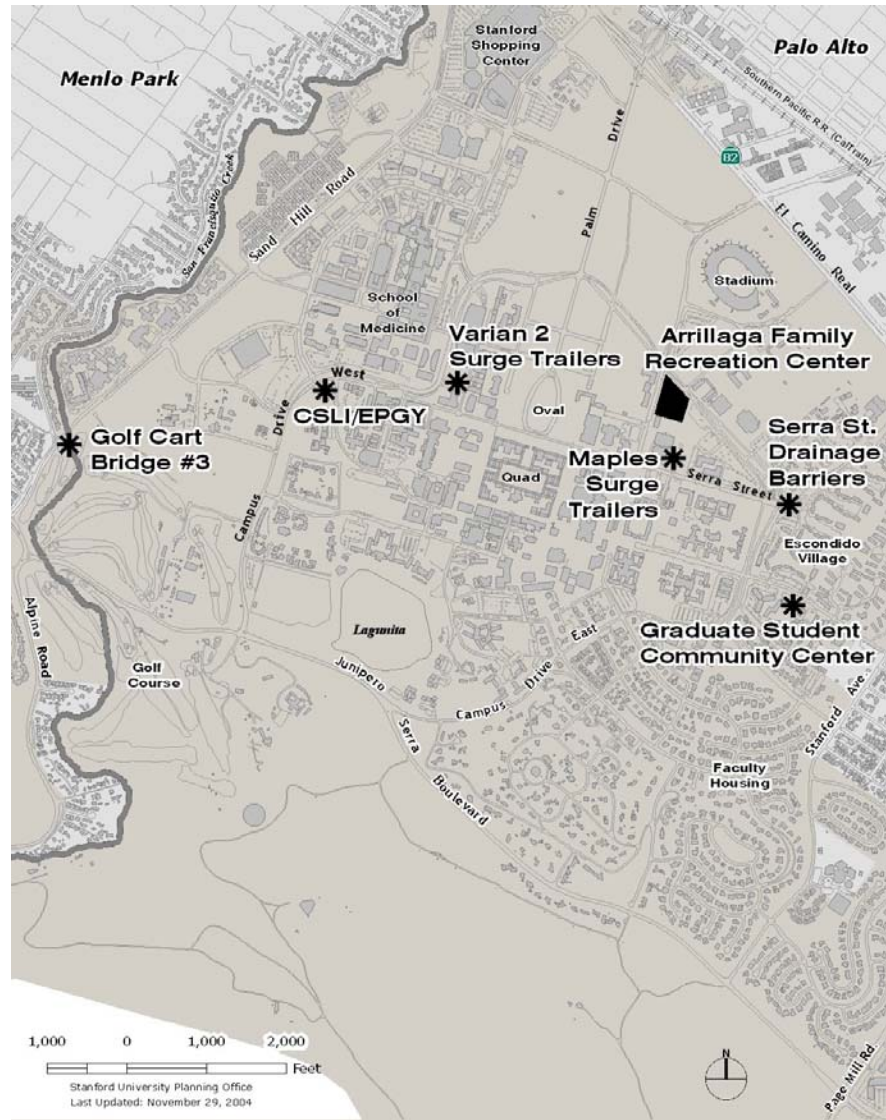


Figure 10 Locations of ASA-Approved Projects

# Annual Report 4

**TABLE 6  
ANNUAL REPORT 4  
DEVELOPMENT PROJECTS RECEIVING ASA APPROVAL**

File #	Project Name	Development District	Type of Development	ASA sq. ft.	Demolition sq. ft.	Bldg. Permit sq. ft.	Net sq. ft.	Development Status
8398	Arrillaga Recreation Center	Campus Center	Academic (Recreation)	75,000	0	74,796	74,796	Under Construction
8715	Graduate Community Center <sup>3</sup>	East Campus	Academic Support	12,000	0	12,000	12,000	Construction Complete
8720	CSLI/EPGY <sup>4</sup>	Campus Center	Academic	8,270	0	8,270	8,270	Under Construction
8605	Hole #3 Golf Cart Bridge Replacement <sup>1</sup>	Foothills	Open Space	SPE	0	0	0	Construction Complete
8788	Maples Surge Trailers <sup>2</sup>	Daper & Administrative	Academic (Modular)	2,688	0	2,688	2,688	Construction Completed
8918	Varian 2 Surge Trailers <sup>1</sup>	Campus Center	Academic (Modular)	3,161	0	3,161	3,161	Awaiting Building Permit
8972	Serra St. Drainage Barriers <sup>1</sup>	Daper & Administrative/East Campus	Mitigation/Flood control	SPE	0	0	0	Under Construction
<b>Total</b>							100,915	

**Note:** See table 1 for projects approved during previous annual reporting periods that received building permits during the current period.

1. Project contributed no square footage toward GUP building area cap during Annual Report 4 reporting period, either because there was no associated building area, or because the building permit had not been issued. See Table 1 and Section IV for square footage details.
2. Contributed to additional permitted surge space cap.
3. Contributed to additional childcare and community center space cap.
4. Used space under 1989 GUP remaining building area cap.
5. gsf = gross square feet



## IV. Project Summaries

### File No. 8398, Arrillaga Family Recreation Center

ASA Application Submitted: 04/05/02

ASA Approved: 01/08/04

Status as of 08/31/04: Under construction

**Project Description:** Construct a new 74,796 sq. ft. recreation center off Campus Drive between Galvez Street and Arguello Way. The new building will be two stories high, with the first story below grade and the second story double height to accommodate activities such as volleyball and basketball. Landscaping for the project will extend to each of the adjacent streets and include some modifications to the existing Ford Plaza. The project includes removal of the existing one-story 55,000 sq. ft. Encina Gym. Since the space represented by the Encina Gym had previously been “suspended” because it was seismically unsound, removal of the gym does not result in a credit to the 2000 GUP building area cap. The building’s square footage is debited against the building area cap in the current annual report.

**Development District:** Campus Center

**Land Use Designation:** Academic Campus



*Rendering of Arrillaga Family Recreation Center*

**Applicable GUP Conditions:** Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.



# Annual Report 4

## File No. 8715, Graduate Community Center

ASA Application Submitted: 07/17/03

ASA Approved: 09/11/03

Status as of 08/31/04: Construction complete

Project Description: Construct a new two-story community center building to provide nine multi-use rooms, four offices, four bathrooms and a computer/copy room. The new building serves as a gathering place and community center for graduate students on campus. Construction resulted in 12,000 sq. ft. counted against the 40,000 gsf of new childcare or community centers allowed in addition to the 2000 GUP building area cap (2000 GUP Condition A.2.c).

Development District: East Campus

Land Use Designation: Academic Campus



*Graduate Community Center*

Applicable GUP Conditions: Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

## IV. Project Summaries

### File No. 8720, CSLI-Media X/EPGY Annex Building (CSLI/EPGY)

ASA Application Submitted: 07/25/03

ASA Approved: 09/11/03

Status as of 08/31/04: Under construction

**Project Description:** Construct a two-story 8,270-gsf academic building in the Campus Center. The new building will form a campus with the nearby Ventura and Cordura Halls, and will alleviate a lack of office space for the expanding education/research program. The building will house a seminar room, approximately 25 offices, and office support space. The project uses space allocation remaining under the 1989 GUP. Construction is anticipated to be complete in January 2005.

**Development District:** Campus Center

**Land Use Designation:** Academic Campus



*CSLI/EPGY Annex (Landscaping not completed)*

**Applicable GUP Conditions:** Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

# Annual Report 4

## File No. 8605, Hole #3 Golf Cart Bridge Replacement

ASA Application Submitted: 08/15/03

ASA Approved: 09/23/03

Status as of 08/31/04: Construction complete

Project Description: Construct a new bridge for golf cart access to Sand Hill Golf Course Hole #3. The bridge is required as the result of reconfiguration of the golf course to allow widening of Sand Hill Road. The project received a Small Project Exemption and does not include academic or academic support building space and therefore did not contribute square footage to the 2000 GUP building area cap.

Development District: Foothills

Land Use Designation: Open Space and Field Research and Special Conservation



*Hole #3 Golf Cart Bridge Replacement*

Applicable GUP Conditions: Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

## IV. Project Summaries

### File No. 4793, Maples Surge Trailers

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ASA Application Submitted: 10/21/03

ASA Approved: 12/11/03

Status as of 08/31/04: Installation complete

Project Description: Trailers were installed to provide temporary showers and lockers during renovation of Maples Pavilion. The trailers will be removed when the renovation is complete (estimated at January 2005). This project's use of 2,688 sq. ft. under the temporary surge space building cap provided by the 2000 GUP is accounted for in this annual report. See Section IV for additional details.

Development District: Daper & Administrative

Land Use Designation: Academic Campus

*Trailers have been removed and no photograph is available.*

Applicable GUP Conditions: Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.



# Annual Report 4

## File No. 8948, Varian 2 Surge Trailers

ASA Application Submitted: 06/02/04

ASA Approved: 08/12/04

Status as of 08/31/04: Awaiting building permit

**Project Description:** Relocate undergraduate teaching laboratories currently housed in the Varian Building to two existing construction trailers for the duration of construction activity on the Varian 2 project (a project currently awaiting ASA approval). The trailers currently are located on an asphalt surface adjacent to a restricted-access parking lot, and are already provided with an accessible ramp and accessible toilet rooms, which will be retained. The project's 3,161 sq. ft. contribution to the temporary surge space cap allowed under the 2000 GUP will be counted in the annual report for the year in which the project receives a building permit.

**Development District:** Campus Center

**Land Use Designation:** Academic Campus



*Trailers to be used for Varian 2 Surge Space*

**Applicable GUP Conditions:** Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

## IV. Project Summaries

### File No. 8972, Serra Street Drainage Barriers

ASA Application Submitted: 07/20/04

ASA Approved: 08/23/04

Status as of 08/31/04: Under Construction

**Project Description:** Serra Street is being regraded in the vicinity of Hoskins Court, to eliminate a right turn pocket and to create a berm that will tip floodwater into the Serra Street drainage ditch. The project received a Small Project Exemption and did not contribute building area to the 2000 GUP building area cap. Construction is anticipated to be complete in September 2004.

**Development District:** Daper & Administrative and East Campus

**Land Use Designation:** Academic Campus



*Serra Street Drainage Barriers*

**Applicable GUP Conditions:** Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

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## V. Other Significant Activities

In August 2004 Stanford was presented with a certificate from Santa Clara County Green Business in recognition for its numerous efforts to conserve resources and reduce waste and pollution. Criteria for becoming a Green Business include: water conservation, energy conservation, pollution prevention, and solid waste reduction and recycling. Standards are met through resource and waste assessment, and by installing updated equipment where possible.

Stanford's land and building divisions have implemented such practices by linking approximately 80 percent of its irrigation system which is controlled by a centralized system, to a local weather station to seasonally adjust water needs based in part on evaporation rates. The University's Energy Retrofit Program has funded more than \$7 million in upgrades, which have reduced electrical usage by more than 20 million kilowatts.

The Green Business certification considers resources addressed in GUP conditions of approval. Aside from this, no other significant activities were conducted during the Annual Report 4 reporting period with respect to the Stanford Community Plan or GUP.



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## VI. Anticipated Future Development

In addition to the projects discussed in Section IV for which building permits were anticipated during the AR 5 reporting period, seven ASA applications for academic/ academic support facilities or small project exemptions from ASA approval that were submitted during the AR 4 reporting period had not been approved as of August 31, 2004. Three of these applications had been deemed incomplete; resubmittal was pending. The remaining four applications were awaiting ASA approval or small project exemption as of August 31, 2004. It is anticipated that these projects will receive approval or exemption during the next Annual Report period, September 1, 2004 – August 31, 2005.

- **Foothills Projects, County File No. 8908.** This small project exemption application covers a group of small installations in the Foothills area, including two antennae for the Stanford Radio Club, two small guard shelters, and nine interpretive signs for a recreation route. The two guard shelters would add 96 sq. ft. of building space to the campus. This area will be deducted from the campus center development district space allocation after building permits are issued. An application for small project exemption from ASA was submitted for the project during the current reporting period. The application was deemed incomplete and resubmittal was pending at the end of the reporting period.
- **Varian 2, County File No. 8918.** An ASA application was submitted for construction of a new 68,000 gsf building on the open lawn south of the existing Varian Physics Building. The building would consist of two floors above grade and two floors below grade and would provide 37,000 sq. ft. of dry laboratories for the Hansen Experimental Physics Laboratory programs and 31,000 sq. ft. of expanded dry laboratory and administrative offices for the Applied Physics Department. It is proposed that upon completion of the Varian 2 project, the existing, outmoded HEPL complex would be vacated and demolished; demolition would result in a net decrease in square footage of 1,805 sq. ft. (68,000 sq. ft. new construction - 69,805 sq. ft. demolition = -1,805 sq. ft.). The project application was deemed incomplete and had not been resubmitted as of the end of the current reporting period. The Varian 2 project square footage would be counted against the 2000 GUP building cap in the year in which a building permit is approved.
- **Hole #4 Golf Cart Bridge Replacement, County File No. 8605.** This project will replace the golf cart bridge for Hole #4 of the campus' Sand Hill Golf Course. The replacement was carried out in conjunction with the reconfiguration of this part of the golf course, which was necessary to accommodate

widening of Sand Hill Road. The original small project exemption application included bridges for holes #3 and #4. The Hole #3 bridge was approved and constructed during AR 4. A revised request for a small project exemption was submitted for the Hole #4 bridge. Approval was pending at the end of the AR 4 reporting period. This project would not result in additional building space on campus; therefore it would not count against the 2000 GUP building area cap.

- **Taube Tennis Practice Bleachers, County File No. 1867.** The project would consist of construction of a 200-seat bleacher structure at the Taube Tennis Practice Courts. An application for small project exemption from ASA approval for this project was submitted during the AR 4 reporting period. The application was awaiting approval at the end of the reporting period. This project would not result in additional building space on campus; therefore it would not count against the 2000 GUP building area cap.
- **Fremont Road Stockpile Time Extension, County File No. 7352.** The existing Fremont Road stockpile and associated temporary parking, originally approved for use for a 5-year period ending September 2004, has been in place since 1999. The stockpile and parking were permitted specifically and exclusively to support the separately-permitted Sand Hill Road Corridor Projects. Most of these projects are complete and remaining work is underway, with expected completion in 2006. An application for approval of a 3-year time extension for use of the temporary grading stockpile and temporary employee parking was submitted during the current reporting period. The application had been deemed incomplete as of the end of the current reporting period. This project would not include building area, so would not contribute toward the 2000 GUP building area cap.
- **Band Modular Time Extension, County File No. 8142.** An application was submitted during the current reporting period to extend the time previously permitted for use of existing modular trailers by the Stanford Band. The application was awaiting approval at the end of the AR 4 reporting period. The project would have no effect on the 2000 GUP building cap.
- **Building 500 Remodel, County File No. 21929 (Bldg. Permit Plan Check).** This project would add approximately 5,500 gsf within the walls of the existing Building 500 by adding a mezzanine in an existing double-height space, to allow consolidation for the Archaeology Department.

## VI. Anticipated Future Development

### *Anticipated for AR 5 Reporting Period*

Submittal of an ASA application during the AR 5 reporting period was anticipated for the following project:

- **Munger Graduate Student Housing.** It is anticipated that an ASA application will be submitted during AR 5 for construction of approximately 600 units of housing for graduate students on the central campus near the existing law school.

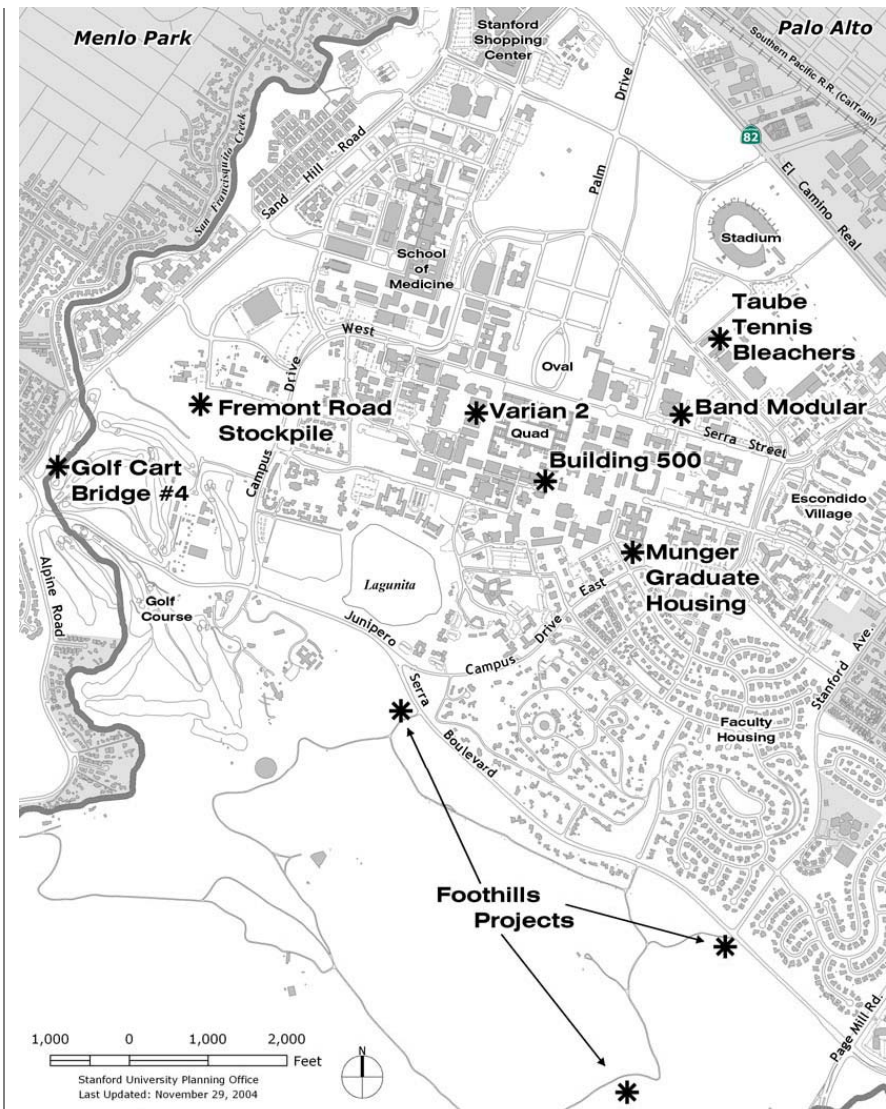
Table 7 below provides more information on the anticipated projects described above. Figure 11 illustrates locations of these future development projects.

**TABLE 7  
ANTICIPATED PROJECTS FOR ANNUAL REPORT 5**

Development District	Project	County File #	ASA Application Submitted	Development Type	Anticipated ASA Square Footage	Anticipated Housing	Anticipated Parking
Foothills	Foothills Projects	8708	04/08/04	Academic	96	0	0
Campus Center	Varian 2 Building	8918	04/26/04	Academic	(-1,805) <sup>1</sup>	0	0
Foothills	Hole #4 Golf Cart Bridge Replacement	8605	07/29/04	Recreation	N/A	0	0
Daper & Administrative	Taube Practice Tennis Bleachers	1867	07/29/04	Recreation	N/A	0	0
Foothills	Fremont Rd. Stockpile	7352	7/20/04	Support	N/A	0	0
Daper & Administrative	Band Modular Time Extension	8142	07/29/04	Academic	N/A	0	0
Campus Center	Building 500 Remodel	21929	N/A	Academic	3,254	0	0
East Campus and Campus Center	Munger Graduate Student Housing		Application not yet submitted	Housing	unknown	Approx. 600 units	Not determined

1. Varian 2 building would add 68,000 gsf, but project would include demolition of 69,7805 gsf HEPL complex for a net of -1,805 ASA.

## VI. Anticipated Future Development



**Figure 11 Location of Anticipated Projects**

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## VII. Other Information

### References

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- Santa Clara County. 2000. Community Plan/General Use Permit Environmental Impact Report. Prepared by Parsons.
- Santa Clara County Planning Office. Stanford University Community Plan. Adopted by Santa Clara County Board of Supervisors December 12, 2000.
- Santa Clara County Planning Office. Stanford University General Use Permit. Approved December 12, 2000.
- Stanford University Community Watch Website: [www.stanford.edu/dept/news/pr/2004/greenbiz-92.html](http://www.stanford.edu/dept/news/pr/2004/greenbiz-92.html), accessed on May 5, 2005.

### Santa Clara County Report Project Team

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- Tim Heffington, Planner (Project Manager: Stanford Environmental Mitigation Monitoring and Reporting Program), Santa Clara County Planning Office
- Shabnam Barati, Consultant, URS Corporation
- Sally Morgan, Senior Project Scientist, URS Corporation

### Stanford University Data Providers

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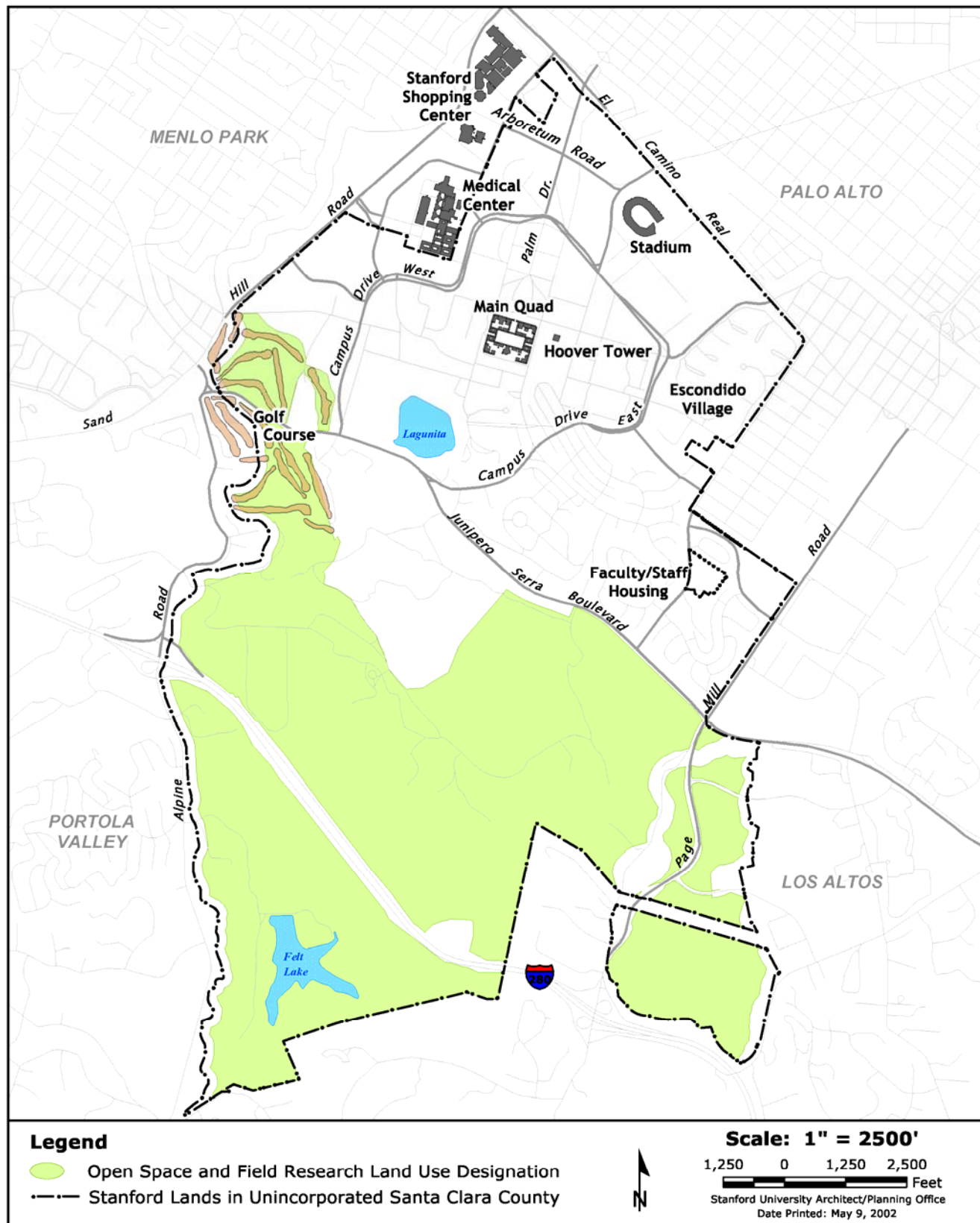
- Charles Carter, Director University Land Use and Environmental Planning
- Catherine Palter, Environmental Planner
- Maria Cacho, Planner/GIS Analyst



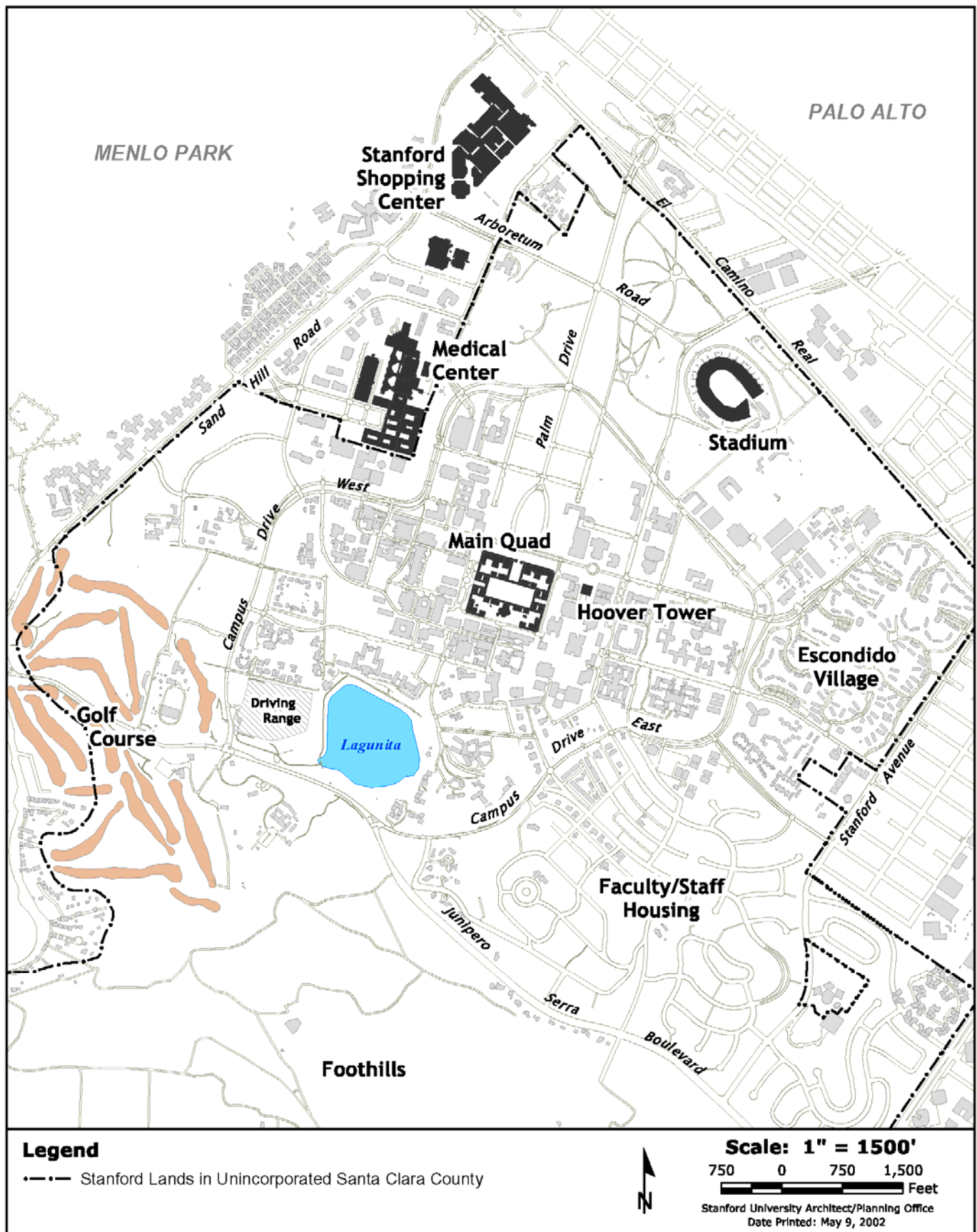
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**Appendix A**  
**General Orientation Maps of Stanford Lands and Campus**

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**Map 1 - General Orientation Map of Stanford University**  
(Unincorporated Santa Clara County)



**Map 2 - General Orientation Map of Stanford University (Central Campus)**

## **Appendix B**

### **GUP Conditions and Compliance Activities**

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# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
<b>A. Building Area</b>	
<p>A.1. GUP allowed construction on unincorporated Santa Clara County lands.</p>	<p>Brief descriptions of all projects that saw development activity of any kind are provided in Section II of this annual report (Table 5). Illustrations and details are provided in Section IV of this report of all projects that received ASA approval during the current reporting year. Projects are described in detail in the annual report for the period in which ASA approval was granted; however, academic and support building area is counted against the building area cap in the period during which the project received a building or grading permit. Tables 1 and 2, Section II of this annual report show building area accounting during this reporting period relative to the various building caps.</p> <p>During the Annual Report 4 reporting period (September 1, 2003 through August 31, 2004), ASA approval was granted for seven academic/ academic support projects. Building or grading permits were issued for six of these seven projects, and for three additional projects for which ASA approval had been granted in previous years. See sections II and IV of this report for additional project information.</p> <p>Stanford completed construction of 10 projects during the AR 4 reporting period. An additional six projects with anticipated completion during the Annual Report 5 reporting period were under construction during the same period. Of the 16 projects completed or under construction during AR 4, six received both ASA approval and building permits during the AR 4 period. Of these projects, one, Arrillaga Family Recreation Center, used 74,796 gsf of the 2000 GUP academic/ academic support building area cap. Three projects contributed to the childcare and community center space cap, the temporary surge space cap, and the remaining 1989 building area cap, respectively, as described under GUP Conditions A.2 and A.3, below. The remaining projects were of types that do not contribute building area. More information is provided in Section II, above.</p> <p>Seven of the 16 referenced projects had been approved and received building permits during previous reporting periods and continued under construction or were completed during the AR 4 reporting period. Three projects received ASA approval during the AR 3 reporting period and are described in that annual report, but did not receive grading or building permits until the current reporting period. Two of these projects are of types that do not</p>

# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	<p>use building area under the building area cap. The third, Maples Pavilion, after demolition credit of 179 gsf, used a net of 18,119 gsf of the 2000 GUP building area cap. The building area for this project and for Arrillaga Center (noted above) was debited against the 2000 GUP building area cap during the current report period, as shown in Section II, Table 1.</p> <p>No new housing units received building permits or completed final framing inspections during this reporting period. Therefore, the cumulative housing unit total does not change during this reporting period (Section II, Table 3).</p> <p>During the fourth annual reporting period there was a net decrease of 91 parking spaces due to five projects and a number of miscellaneous restriping projects affecting less than 20 spaces each. Most of the decrease resulted from displacement of parking lots by new construction. Changes that resulted from the five projects are enumerated in Section II, Table 4.</p>
<p>A.2. Building area allowed in addition to the GUP building area cap.</p>	<p>Two projects that will use the square footage allowed in addition to the 2000 GUP building area cap were approved and were either completed or under construction during the Annual Report 4 reporting period, as detailed in Section II, Table 2 of this annual report.</p> <p>CSLI-Media X/EPGY Annex Building (CSLI/EPGY) utilized 8,270 gsf of 1989 building area square footage, which does not count toward the 2000 GUP building cap, as provided by GUP Condition A.2.a.</p> <p>The Maples Surge Trailers were approved and installed during this reporting period to provide surge space during construction of the Maples Pavilion addition. 2,688 gsf for this project were debited against the 50,000 gsf of construction surge space permitted under the 2000 GUP cap. The surge trailers will be removed at the conclusion of Maples construction, which is anticipated to occur in December 2004.</p>
<p>A.3. Construction that does not count toward the GUP building area cap.</p>	<p>ASA and a building permit were approved during this reporting period for the Graduate Community Center, the construction of which was completed at the end of the reporting period. As shown in Section II, Table 2, this project used 12,000 gsf of the 40,000 gsf for new childcare or community centers that is allowed in the 2000 GUP in addition to the building area cap.</p> <p>No housing or parking structures were proposed or constructed during the reporting period (Section II, Tables 3 and 4). Note that the Escondido Village</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	Maintenance Spaces, which received ASA approval during the AR 3 reporting period and were completed during the AR 4 period, did not contribute building area to the building cap. This project was mistakenly listed in the discussion of compliance with GUP Condition A.1 in AR 3. It should have been listed in the GUP Condition A.3 section. This error did not result in any change in building cap accounting.
<b>B. Framework</b>	
B.1. Development under the GUP must be consistent with the Community Plan and General Plan.	All seven ASA-approved projects, including the six that also received building permits during this reporting period, were consistent with the Community Plan and the General Plan designations and zoning.
B.2. Definition of a proposed building project.	No action required.
B.3. Minimum time duration of GUP (modification possible, subject to County Ordinance).	No action required.
B.4. Funding of work associated with conditions of GUP.	Stanford paid all costs associated with work conducted by the County Planning Office in relation to the GUP (staff time, consultant fees, and direct costs associated with report production and distribution) in a timely manner.
<b>C. Monitoring, Reporting, and Implementation</b>	
C.1. Preparation of an Annual Report that summarizes Stanford's development over the preceding year, upcoming development, and compliance with GUP conditions.	This Annual Report fulfills Condition C.1. for the reporting period of September 1, 2003 to August 31, 2004.
C.2.a. County of Santa Clara Planning Office has the responsibility of preparing the Annual Report.	The County Planning Office hired an independent consultant, URS Corporation, to prepare this fourth Annual Report pursuant to the 2000 GUP.
C.2.b. Funding for Annual Report by Stanford.	Stanford provided funding to the Santa Clara County Planning Office for all aspects of this Annual Report in a timely manner.
C.2.c. Stanford to submit information related to Annual Report.	Stanford provided information related to this Annual Report in a timely manner.
C.2.d. Annual Report presentation to the Community Resource Group (CRG).	The Draft Annual Report 4 was presented to the CRG in March 2005.
C.2.e. Presentation of the Annual Report to the Planning Commission in June of each year.	Annual Report 3 was presented to the County Planning Commission at the June 2004 public hearing. This Annual Report 4 is scheduled for presentation to the Planning Commission at the June 2005 public hearing.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
C.2.f. Time period and content of the Annual Report.	This Annual Report documents Stanford's development activity and compliance with 2000 GUP conditions, and any specific conditions, associated with building projects proposed between September 1, 2003 and August 31, 2004.
C.3. Funding of work associated with implementing tasks identified in the CP and GUP.	Stanford paid all costs associated with work conducted by the County Planning Office in relation to the CP and GUP during this reporting period (including staff time and consultant fees) in a timely manner.
<b>D. Permitting and Environmental Review</b>	
D.1. Review of proposed building projects and issuance of all necessary permits and approvals in accordance with County requirements.	Seven projects received ASA approval during the reporting period, as described in Section II and detailed in Section IV of this Annual Report. No projects required design review or subdivision approval.
D.2. Compliance with adopted GUP conditions and adopted mitigation measures within the Mitigation Monitoring and Reporting Program (MMRP).	<p>During this reporting period, Stanford submitted nine ASA applications for projects proposed under the 2000 GUP. Four of these applications received ASA approval during the reporting period. Three project applications made during the Annual Report 3 period and one application made during the reporting period for Annual Report 2 also received ASA approval during the current reporting period. All approved projects were in compliance with GUP conditions. Three AR 4 applications were deemed not complete and two applications were awaiting approval as of August 31, 2004, the end of the reporting period. For additional details, see Section II of this annual report.</p> <p>A violation notice was reported in previous annual reports. At the leaseholder's request, the county has extended consideration of the violation notice. Stanford continues to work cooperatively with the County in addressing historic land uses related to this violation notice.</p> <p>Stanford was required to draft many plans/reports and/or perform actions within one year of GUP approval. (See previous annual reports for background). Stanford complied with these requirements, and these reports/actions have required subsequent refinement. For this reason, the Draft Special Conservation Area Plan (See Condition K.7) has not yet been approved by the County. The County and Stanford plan to address needed refinements to the Draft Special Conservation Area Plan as other critical tasks are completed. This extension of time for final approval has been necessary in order to resolve issues associated with other reports and actions (e.g., storm water mitigation, interim</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	groundwater recharge measures, recreational facility improvement plan, wetland delineation, special events management, etc.) Future annual reports will provide updated status.
D.3. Compliance with CEQA requirements.	All seven projects approved during the reporting period were adequately analyzed as specified in this GUP condition. (See also GUP Conditions D.4 and I.2).
D.4. Determination of appropriate level of environmental assessment.	<p>Conditions have been specified for the seven ASA-approved projects. Relevant measures identified in the EIR, and incorporated into the GUP, have been incorporated into the conditions of approval for each project.</p> <p>Two projects required additional environmental assessment beyond that addressed in the Program EIR. The Arrillaga Family Recreation Center and Encina Gym Demolition Project required a Supplemental EIR. The Draft EIR and Final EIR were certified in January 2004. A Supplemental EIR is also in process for the Stanford S1 Trail Alignment. (See Condition I.2).</p>
D.5. Project specific environmental assessment.	None of the projects proposed during the reporting period caused a fundamental change to the development districts.
D.6. Impact areas to be considered in environmental assessment.	No environmental assessment was necessary because none of the projects caused a change to the development districts (see D.5).
<b>E. Academic Building Area</b>	
E.1. Distribution of 2,035,000 square feet of academic and academic support facilities distributed among ten development districts.	During the reporting period, academic/academic support facilities were approved for the Campus Center and East Campus Districts. In addition, academic support facilities that will not result in additional building area were approved for the Daper & Administrative and Foothills District (see Section IV Project Summaries for details).
E.2. Deviation from the proposed distribution of academic development.	No projects proposed or approved during the reporting period deviated from the GUP distribution of academic development.
E.3. Maximum allowable development in the Lathrop District shall be 20,000 square feet.	No development was proposed for the Lathrop District during the reporting period.
E.4. No academic development allowed in the Arboretum District.	No academic development was proposed for the Arboretum District.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
E.5. Complete and submit a Sustainable Development Study (prior to cumulative development total of more than 1,000,000).	<p>Ten projects received building permits that resulted in a net total of 92,915 sq. ft. that was counted toward the GUP building area cap, bringing the net cumulative development total to 147,728 gsf, as detailed in Section II Table 1 of this annual report.</p> <p>Prior to development that results in a cumulative total of more than one million net new square feet of nonresidential development that counts toward the GUP building area cap, Stanford will complete a Sustainable Development Study and submit it to the County Planning Office.</p>
<b>F. Housing</b>	
F.1. Type and distribution of the 3,018 housing units allowed under the GUP.	Stanford did not propose or construct new housing units during this reporting period.
F.2. Other allowed housing sites.	No housing projects were proposed during the reporting period.
F.3. Allowable variation of housing development.	No project proposed during the reporting period varied in type or amount from the GUP distribution of housing.
F.4. Deviation from estimated housing distribution.	No project proposed during the reporting period deviated from the GUP distribution of housing.
F.5. No housing may be constructed in the Foothills, Lathrop, or Arboretum districts.	No housing projects were proposed for any of these districts during the reporting period.
F.6. Compliance with affordable housing requirement.	Stanford has complied with the affordable housing requirement. Stanford pays the fee for applicable projects prior to occupancy. The County Planning staff and Office of Affordable Housing developed draft guidelines and provided them to Stanford for review and questions. It is anticipated that final guidelines will be presented to the Planning Commission and Board of Supervisors during the next reporting period.
F.7. Allowance for additional housing beyond 3,018 units.	No additional housing was proposed.
F.8. Housing linkage requirements.	The GUP requires 605 housing units to be provided as part of a housing "linkage" to Stanford development of 500,000 cumulative sq. ft. of academic square footage. Stanford is on track to meet the housing linkage requirement.
F.9. For purposes of the linkage requirement, the County will consider Stanford to have met housing compliance at the time of framing inspection.	The County has used framing inspection for determination of the housing linkage requirement.
F.10. Petition for modification of the housing linkage requirements.	Stanford made no petition for modification of the housing linkage requirement.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
F.11.	Adoption of new zoning designations for Campus Residential – Low Density and Campus Residential – Medium Density.	Completed during Annual Report 1 reporting period.
F.12.	Allowed suspension of the housing linkage requirement.	There was no suspension of the housing linkage requirement.
<b>G. Transportation</b>		
G.1.	Intersection modifications.	Completed during Annual Report 1 reporting period.
G.2.	Continued compliance with 1989 GUP transportation requirements.	<p>Stanford continues to offer, and further expand, the following programs that were in effect during the 1989 GUP: Marguerite shuttle system, carpool incentives, vanpool services, bicycle and pedestrian services, alternative transportation promotional activities, and staff support of alternative transportation programs.</p> <p>Several program changes were made in a previous year, which have helped encourage the use of alternative transportation as a means of arriving and departing the campus. The Palm Drive express shuttle was added to facilitate the movement of VTA/ SamTrans bus and Caltrain users from the Palo Alto train station to the Main Quad during peak traffic times. New transit-style buses were ordered to upgrade the Marguerite fleet to provide more capacity, better access by persons with disabilities, a higher quality ride, and a reduction in tailpipe emissions. All Marguerite route maps and schedules are now available on a single publication. Pilot Eco Pass (VTA) and U Pass (Caltrain) programs were initiated, providing all campus employees (50% appointment or more) with free access to these transportation systems. Pre-tax purchase of transit checks was extended to Hospital employees. A bicycle safety program was initiated, including the distribution of free bike lights. A pledge program for graduate students (rewards for not driving during peak traffic times) is in place. A charter bus program has been fully implemented. A car-sharing program was brought to the campus in the fall of 2003. During this reporting period, a new regional bike map was completed, which will be distributed with the new campus directories in the fall of 2004. In cooperation with AC Transit, Stanford developed the new East Bay Express. The express bus from the East Bay (from the ACE Train Station, BART and the Ardenwood Park-and-Ride Lot went into service on August 30, 2004.</p>



## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
G.3. Mitigation of transportation impacts from additional development and population growth. See Appendix D of this document for a summary of results.	The County hired an independent consultant, Korve Engineering, to complete traffic studies.
G.4. No net new commute trips.	Year 1 cordon counts (counts taken in 2002) were completed and analyzed. After appropriate methodology adjustments and consideration of trip credits, Year 1 average AM trip count (3,275) and PM trip count (3,586) were shown to be less than the trip limits established by the baseline counts in 2001 (AM trip limit is 3,474; PM trip limit is 3,591). Year 2 counts, taken in 2003 (with average AM trip count of 3,413 and PM trip count of 3,476), were also shown to be less than the trip limits established by the 2001 baseline counts. Year 3 cordon counts were conducted in Spring 2004 and completed in Fall 2004. Average AM trip count was 3,413 and PM trip count was 3,642. The 2004 counts were below the trip limit threshold for the inbound AM peak hour traffic, but exceed this threshold by 51 vehicles for the outbound PM peak hour traffic. Stanford will have the opportunity to apply for trip credits to reduce the PM peak hour count by 51 outbound vehicles in order to be in compliance with the “no net new commute trips” requirement for 2004. Details are provided in Appendix D of this report.
G.5. Traffic counts cost.	Stanford submitted all requested funds in a timely manner.
G.6. Baseline count established prior to construction of first new non-residential structure or by an alternative methodology determined to be more accurate.	Baseline cordon counts were completed during Annual Report 1 and 2 reporting periods.
G.7. Traffic counts and determination of traffic volume.	Year 3 cordon counts were conducted in Spring 2004 and completed in Fall 2004 by a traffic consultant, Korve Engineering. As described in Appendix D of this report, the results of the 2004 counts were analyzed against the baseline counts previously collected, and were determined to exceed the traffic limits threshold for the outbound PM peak hour traffic by 51 vehicles. Stanford will have the opportunity to apply for trip credits to reduce the PM peak hour count by 51 outbound vehicles in order to be in compliance with the “no net new commute trips” requirement for 2004.
G.8. Off-campus trip reduction.	Stanford requested the County to consider proposals for off-campus trip credits. Proposal considerations were presented to the Stanford Community Resource Group. Stanford and the County completed guidelines for off-campus credits.

# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
G.9. Monitor cordon count volumes.	<p>The County hired an independent consultant, Korve Engineering, to monitor the cordon count volumes. A summary report of traffic monitoring is provided as Appendix D to this annual report.</p> <p>The City of Menlo Park approved the Sand Hill Road Widening Project.</p>
G.10. Neighborhood traffic studies.	<p>Stanford will participate in neighborhood traffic studies as requested. During Annual Reporting Period 2, at the request of the City of Palo Alto, County staff provided the GUP requirements for a neighborhood traffic study. The City has requested funding for the study from Stanford, and has provided a scope of work, cost estimate, and documentation of City contributions to Santa Clara County. County staff is determining if the City's request is consistent with the requirements of the condition. No additional neighborhood traffic study requests have been received by the County Planning Office.</p> <p>If all associated intersection modification contained in GUP Table 4 are completed, Stanford will not be required to fund GUP-related intersection modifications described in the GUP.</p>
G.11. Project-specific traffic studies.	<p>No project-specific traffic studies were required, or prepared, for projects approved during this reporting period. The impacts of approved projects have been properly assessed and mitigated by the 2000 GUP EIR.</p>
G.12. Construction traffic management plan.	<p>Stanford informed both its Public Safety Office and the University Fire Marshall's Office about site work and schedule for any project that could affect emergency access. The University Fire Marshall's Office has regular coordination meetings with the Palo Alto Fire Department, where they update the Department on any emergency route changes. In addition, Stanford requires, through contract with the general contractors, that emergency vehicle access is always kept available through work areas.</p> <p>The Stanford Contracts office provides a general "Stanford Area truck routes map" to all general contractors and all the associated sub-contractors for the project at the time of contract release. The map also includes pedestrian zones, weight limits, service vehicle parking areas, and loading areas. In addition, Stanford provides copies of the map to contractors that come into the Parking and Transportation office to purchase Service Vehicle permits. This map and others are available on the web at <a href="http://transportation.stanford.edu/">http://transportation.stanford.edu/</a>.</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	The County and Stanford continue to work towards consistent inclusion of a traffic management plan as part of the construction plan set available on site.
G.13. Special event traffic management plan.	Compliance with this requirement was achieved during the AR 3 reporting period.
G.14. Junipero Serra Boulevard/ Stanford Avenue traffic group.	The Junipero Serra Boulevard/Stanford Avenue Multi-jurisdictional Group meets quarterly (March, June, September, December). Phase I traffic calming measures along Junipero Serra Boulevard, including repaving, restriping to narrow the travel lanes, and advisory signage, were completed during a previous reporting period. A Phase II study to develop additional traffic calming improvements has been completed. The County is now looking for funding for implementation. Additional County funding has been identified for Phase II project design.
<b>H. Parking</b>	
H.1. Net additional parking spaces shall not exceed 2,300 spaces, with the exception of parking provided for any housing in excess of 3,018 units.	During the reporting period, changes in parking resulted in a net reduction of 91 parking spaces on the campus for a total cumulative increase since September 1, 2000 of 305 spaces. Changes in parking occurred in the Lagunita, Campus Center, DAPER & Administrative and East Campus Districts. See Section II, Table 4, and Appendix C-3 for details.
H.2. Residential Parking Permit Program.	Stanford paid the City of Palo Alto \$100,000 towards the development of a Residential Parking Permit Program.
<b>I. Parks and Recreation Facilities</b>	
I.1. Improve parks in the San Juan faculty/staff residential area.	<p>No project was proposed in the San Juan District during this reporting period.</p> <p>At the April 8, 2004 ASA meeting, the ASA Committee accepted the <i>Stanford University Program for the Replacement of Recreational Facilities in the San Juan District</i>. Stanford has complied with the requirement to submit the plan, and future compliance will be required through implementation of the plan, if triggered by infill development.</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
I.2.a. In consultation with the County Parks and Recreation Department, identify and complete Trail Easements within one year of GUP approval.	See previous annual reports for background activity related to GUP Condition I.1. During the Annual Report 4 reporting period, a Draft SEIR for the S1 trail alignment was completed. The C1 alignment will be addressed at a future date. A summary of events that occurred subsequent to the end of the Annual Report 4 reporting period (e.g., circulation of the Draft SEIR, end of public comment period, preparation of CEQA-required Responses to Comments) will be provided in Annual Report 5.
I.2.b. Work with County Parks and Recreation Department to identify responsibilities for trail construction, management and maintenance.	Work on identification of trail construction, management, and maintenance responsibilities had begun previously, based on Stanford's 2001 proposal (see I.2.a and "Overview of Monitoring Activities"). Implementation of this measure will follow completion of trail alignment section. See Condition I.2.a.
<b>J. California Tiger Salamander (CTS)</b>	
J.1. Habitat protection easements for protection of the CTS.	No habitat protection easements were established.
J.2. Specifics of habitat protection easements.	A small project exemption within the foothills was proposed, and a small portion of the project area is within the CTS Management Zone. The minor nature of this activity, which would be located on a previously disturbed site, does not trigger the CTS easement requirement.
J.3. Creation of breeding ponds for CTS prior to issuance of a building permit for a proposed building project on occupied CTS habitat.	No development was proposed within 500 meters of Lake Lagunita. Construction of eight CTS breeding ponds was completed during the reporting period.
J.4. CTS monitoring.	An independent consulting firm, Environmental Science Associates, performs CTS monitoring as needed.
J.5. Project specific measures in CTS Management Zone.	None of the projects approved during the reporting period will affect CTS habitat.
J.6. Operational measures required within the CTS Management Zone.	Stanford continues to be required to implement operational measures within the CTS Management Zone.
J.7. Continued compliance with 1998 CTS Management Agreement.	Stanford continued to comply with the 1998 CTS Management Agreement.
J.8. CTS passage ways across Junipero Serra Boulevard.	Construction of three CTS tunnels across Junipero Serra Boulevard was completed in November 2003, prior to the GUP deadline of December 11, 2003. Compliance with this condition thus was achieved during the AR 4 reporting period.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
J.9.	U.S. Fish and Wildlife Service permit prior to construction on occupied CTS habitat if CTS is listed as threatened or endangered.	On August 4, 2004, the U.S. Fish and Wildlife Service listed the CTS as threatened in its entire range. Compliance with the Endangered Species Act is required.
<b>K. Biological Resources</b>		
K.1.	Special-status plant surveys.	The County hired Environmental Science Associates to complete special status plant surveys for one project within oak woodland habitat that received a grading permits during the reporting period: the West Campus Storm Water Detention Facility. This projects complied with the special-status plant survey condition.
K.2.	Preconstruction surveys for breeding raptors and migratory birds.	<p>The County hired Environmental Science Associates to complete surveys for breeding raptors and migratory birds potentially affected by Stanford projects. Preconstruction raptor surveys were completed for a number of projects that began construction during the reporting period, including Arrillaga Family Recreation Center, Maples Pavilion Addition, CSLI/EPGY, Serra Street Drainage Barriers, the Golf Course Reconfiguration and Golf Cart Bridge #3 Replacement, and the Stock Farm Detention Basins, all of which were under construction during the February through August period of concern. No breeding birds were found during surveys conducted during the reporting period.</p> <p>The projects approved during the reporting period complied with the preconstruction survey condition.</p>
K.3.	Oak woodland habitat – create or restore at a 1.5:1 ratio for proposed building projects located in oak woodland area.	Two projects that began construction during the reporting period, the Stanford Golf Course Reconfiguration and the West Campus Storm Water Detention Facility, occur within oak woodland habitat. Site plans for each project identified an oak woodland habitat restoration site. Both projects complied with this condition.
K.4.	Tree preservation for proposed building projects affected by protected trees.	Two projects approved during the reporting period addressed tree preservation. These projects proposed appropriate mitigation for the loss of oak trees greater than 12 inches diameter at breast height (dbh) in their ASA applications. The Arrillaga Family Recreation Center project will relocate 16 trees (one of which is a palm that will be relocated if deemed healthy by an arborist). Five larger oaks affected by the project are not good candidates for relocation. They will be removed and replaced at a ratio of 3:1. The Golf Course Reconfiguration Project also required tree relocations and removals, which were mitigated as specified by the County.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
K.5.	Stanford to hire biological consultant to prepare wetlands description.	Compliance with this requirement was achieved during the AR 3 reporting period. Future wetland delineations may be required in compliance with Army Corps of Engineers guidelines.
K.6.	Updates to CA Natural Diversity Database.	Stanford submitted CNDDDB sheets to the County for California tiger salamander (three seasons of data) and California red-legged frog (four years of data) in May 2003. No additional findings have been submitted.
K.7.	Special conservation area plan.	Stanford submitted a “Conservation Program and Management Guidelines for the Special Conservation Areas” to the County on December 11, 2001. The Planning Office staff has communicated to Stanford that the initial draft of this document requires revision in order to comply with mitigation measures and the GUP Conditions of Approval. (See also Condition D.2)
<b>L. Visual Resources</b>		
L.1.	Streetscape design for El Camino Real prior to or in connection with submitting an application for development along El Camino Real.	The streetscape design will be submitted prior to development along El Camino Real.
L.2.	Minimum 25-foot building setback from Stanford Avenue.	No projects were proposed on Stanford Avenue.
L.3.	Lighting plan for development projects that include exterior light sources.	Project specific lighting plans were submitted with ASA applications during the reporting period.
L.4.	Development locations in the Lathrop Development District.	No development was proposed in the Lathrop District.
<b>M. Hazardous Materials</b>		
M.1.	Hazardous materials information/Risk Management Plan for each proposed building project.	Hazardous materials information was provided in the ASA applications for all projects proposed/approved during the reporting period. Since no projects were proposed or approved during the period that trigger the California Accidental Release Prevention (CAL-ARP) law, no Risk Management Plans were prepared.
M.2.	Maintenance of programs for storage, handling, and disposal of hazardous materials.	<p>In recognition of Stanford’s leadership in Environmental Protection, the Santa Clara County Green Business Program awarded Green Business Certifications to the entire University, as well as individual certifications to Student Housing and the Facilities Operations Fleet Garage.</p> <p>Stanford Environmental, Health and Safety (EH&amp;S) continues to provide key resources in the planning, development, and implementation of effective environmental and health and safety training</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	<p>programs. Where appropriate and possible, EH&amp;S provides in-house training programs that enable University managers and supervisors to deliver health and safety training directly to their staff. Schools, Departments and Principal Investigators provide other levels of training throughout the University. Stanford's new on-line training system, "SafetyTrain" was implemented during the reporting year. 2,250 faculty, students and staff completed 3,800 courses using this award winning training program. In addition, traditional classroom training was provided to 3,500 individuals. Stanford also extends its training efforts by providing training and information resources on the World Wide Web at <a href="http://www.stanford.edu/dept/EHS/prod/training/index.html">http://www.stanford.edu/dept/EHS/prod/training/index.html</a>.</p> <p>Surveys of campus and medical center labs, shops and studios are conducted on a routine basis to provide compliance assistance regarding hazardous materials, hazardous waste, fire safety, biological safety and chemical safety requirements. Personnel conducting the surveys often work one-on-one with personnel in labs, shops and studios to help them understand pertinent compliance requirements.</p> <p>Hazardous Materials Management Plans for existing buildings storing hazardous materials were updated and submitted to the Santa Clara County Environmental Health Hazardous Materials Compliance Division.</p> <p>The University Committee on Health and Safety met regularly during the reporting period, including holding one public meeting. The committee membership includes a member from the public as well as faculty, staff and students. Issues considered by the committee included environmental, health and safety activities, and initiatives conducted at the Stanford Linear Accelerator Center (SLAC).</p> <p>The EH&amp;S Department reviews each set of plans for new structures and those for renovation and/or remodeling of existing structures to help ensure that the risks associated with activities conducted in Stanford's buildings are addressed, and that all facilities projects are undertaken in compliance with applicable environmental and health and safety laws, codes, and regulations. EH&amp;S also conducts Environmental and/or Human Health Risk Assessments for new projects as required by the Bay Area Air Quality Management District and as appropriate as part of the building planning process.</p> <p>EH&amp;S personnel specifically responsible for</p>



# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	<p>handling hazardous wastes and for emergency response are trained by certified independent professionals and by professional EH&amp;S staff in accordance with all applicable regulations. The operational waste personnel are augmented and assisted by professional environmental engineers, chemists, and environmental managers. USEPA Region IX awarded the “Environmental Achievement Award” to EH&amp;S in recognition of the leadership demonstrated by the Hazardous Waste Program for managing mercury thermometers and mercury containing batteries.</p>
<b>N. Geology and Hydrology</b>	
<p>N.1. Compliance with all requirements of the Uniform Building Code, County Geologist, County Building Inspection Office, Stock Farm Monocline Agreement, and others defined under the GUP in regard to reduction of seismic risk.</p>	<p>Stanford is in compliance with Condition N.1. requirements through the ASA applications submitted during the reporting period. Seven projects received ASA approval. Six of these projects, and three projects with ASA approval in previous years, also received building or grading permit approval during the current reporting year. See Section II of this report for details</p>
<p>N.2. Hydrology and drainage study.</p>	<p>The Storm Water Detention Master Plan for the Matadero Creek watershed was submitted by Stanford and accepted by the County. Stanford is responsible for implementing phased measures consistent with the plan prior to development of new impervious cover within the watershed.</p> <p>Regarding storm drainage and flood control, Stanford and the County reached agreement on the approach and engineering design criteria for detention provisions to avoid increases in peak runoff flow rate from the campus in the San Francisquito Creek watershed. Stanford continued with implementation of its storm drainage master plan for both detention and protection of campus facilities, engineering the remaining barriers to divert overland flows away from structures to streets and malls, and Phase 1 of the west campus detention basins. With these improvements and the detention basins constructed previously in the Matadero watershed, Stanford has mitigated anticipated runoff from a substantial portion of its future development under the 2000 GUP in compliance with Conditions of Approval N.2 and N.3.</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
<p>N.3. Storm water management facilities designed to only store storm water runoff temporarily and not create extended ponding.</p>	<p>The Serra/El Camino Real (ECR) and the West Campus Storm Water Detention Facilities projects are designed to accommodate increases in the 10-year and 100-year storm runoff associated with 2000 GUP development in the Matadero and San Francisquito Creek watersheds respectively. These projects are designed to drain within a couple of days, thereby avoiding extended ponding.</p> <p>An initial phase of this plan was implemented when the Stock Farm/Sand Hill Road Detention Basins were completed during this reporting period.</p>
<p>N.4. Groundwater recharge study in conjunction with projects located in unconfined zone.</p>	<p>Two projects that are located within the Ground Water Recharge Zone, the Graduate Community Center and the Hole #3 Golf Cart Bridge, received ASA approval and building permits during the reporting period. The projects are consistent with the County-approved project-specific interim plans for mitigating lost groundwater recharge. Stanford is in the process of preparing a campus-wide groundwater recharge plan to mitigate lost recharge from all projects in the Unconfined Zone. In the meantime, Stanford has proposed a plan for such projects: additional creek-diverted water will be conveyed to Lake Lagunita for percolation.</p>
<p>N.5. Review and approval for storm water/ groundwater recharge facilities.</p>	<p>The ASA and grading or building permit-approved projects during the fourth annual reporting period are anticipated to result in new impervious surface area in the Matadero Creek and San Francisquito Creek watersheds. The cumulative increase of impervious surfaces on campus has been mitigated by the Serra/ECR detention basins and West Campus detention basins Phase I, to avoid impacts with respect to reduced groundwater recharge. Stanford and the County will continue to address this issue on a project-by-project basis.</p>
<p>N.6. Notice of intent to State Water Resources Control Board (SWRCB) prepared each year for anticipated projects.</p>	<p>Stanford submitted a Notice of Intent (NOI) to join the State of California General Storm Water Construction Permit on June 29, 2001. Stanford received acceptance on July 10, 2001. An updated NOI was submitted to the San Francisco Regional Water Quality Control Board in accordance with the NPDES General Permit on June 30, 2004. The updated NOI outlines completed projects, projects under construction, and planned future projects.</p> <p>Notices of Termination (NOT) were prepared for individual construction sites that completed all construction work during the prior year that were covered by NOI filings. NOTs were prepared during the reporting period for the following projects: Lokey</p>

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
	Lab (Chem-Bio), Clark Center, and Stockfarm/Sandhill Detention Basins. These Notices of Termination are for internal tracking. An official NOT will be prepared for the entire campus and submitted to the Regional Water Resources Control Board when all construction projects covered under the Notice of Intent are complete.
N.7. Monitor effectiveness of storm water pollution prevention best management practices; monitor at construction sites before and during storm events occurring during construction period.	<p>Each construction site under the 2000 GUP is permitted through the General Permit for Discharges of Storm Water Runoff Associated with Construction Activity. The information submitted as part of the permit will be updated yearly to reflect the current construction projects. In accordance with that permit, the sites are required to have a Storm Water Pollution Prevention Plan (SWPPP). Each SWPPP outlines the Best Management Practices for preventing storm water pollution on that specific site. To ensure that the BMPs are working and in place, each construction site is required to monitor their site and BMPs before, during, and after rain events or weekly, whichever is more frequent. The site is required to maintain inspection logs on site, documenting their monitoring program. Stanford storm water staff visits the sites at least once per month to ensure compliance with BMPs and monitoring.</p> <p>In addition, Stanford is required to send an Annual Compliance Status Report to the State Water Resources Control Board, certifying compliance with the provisions of the General Permit for Discharges of Storm Water Runoff Associated with Construction Activity, including BMPs and monitoring.</p>
N.8. Surveys to determine presence and location of wells prior to issuance of any building permit or grading permit.	Stanford performed surveys to identify existing wells on building sites with ASA applications as required.
N.9. Permit from Santa Clara Valley Water District for any proposed construction, demolition, grading, landscaping within 50-feet of the top of the bank.	The Golf Course Reconfiguration and Golf Cart Bridge Small Project Exemption were within 50 feet of the SCVWD and both complied with this condition.

# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition	Stanford Compliance
<b>O. Cultural Resources</b>	
O.1. Assessment of structure with potential historic significance for building projects that involve the demolition of a structure 50 years or older.	The Arrillaga Family Recreation Center Project, which received both ASA approval and a building permit during the AR 4 reporting period, included demolition of Encina Gym, which was more than 50 years old. The significance of the building, and of impacts upon it, was analyzed in a Supplemental EIR. The SEIR identified significant and unavoidable impacts due to demolition of a historical resource. The ASA Committee certified the SEIR and adopted a Statement of Overriding Considerations as required by CEQA. The ASA was granted.
O.2. Requirements for remodeling, alteration, or physical effect on structures that are 50 years old or more.	There were no approved projects that would remodel or alter a structure that is more than 50 years old. See O.1 regarding the demolition of Encina Gym as part of the Arrillaga Family Recreation Center Project.
O.3. Archaeological resources map.	<p>The Stanford archaeologist provided draft maps to the County Planning Office in March 2001. These maps show the locations of all known prehistoric and historic archaeological resources in the unincorporated Santa Clara County portion of Stanford land. County and Stanford staffs will continue to work on revision and updates to these maps so they can be utilized by County staff to identify all known cultural resource site boundaries on Stanford land within the County's jurisdiction. All maps and updates will be maintained as confidential records.</p> <p>The Stanford Golf Course Reconfiguration project, which received a building permit and was under construction during the AR 4 reporting period, potentially will affect a known prehistoric archaeological site. The County hired an independent qualified archaeologist to conduct site-specific analysis to determine whether a significant impact would occur and to identify appropriate mitigation measures, which were incorporated into project conditions of approval. The project has complied with these conditions during construction.</p>
O.4. Required actions if fossilized shell or bone is uncovered during earth-disturbing activities.	No fossilized shell or bone was uncovered during 2000 GUP construction activities.

# Appendix B

## GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
<b>P. Public Services and Utilities</b>		
P.1.	Law Enforcement Agreement.	<p>“Memorandum of Understanding Regarding Police Services Between Santa Clara County and Stanford University” was signed February 6, 2001.</p> <p>Per the GUP Condition, Stanford is providing funding for the Stanford Police Department to maintain 32 full time sworn police officers (one officer per 1,000-day time population). There was no decrease in the level of police services during the reporting period.</p>
P.2.	Funding of Fire Protection Services.	The City of Palo Alto assesses the city’s fire protection needs on an annual basis and adopts a yearly budget for fire protection services. As part of this process, the City identifies Stanford’s share of this budget, and Stanford pays its annual allotment.
P.3.	Fire protection response times.	The City of Palo Alto did not notify Stanford of lengthened response times or the need to provide new routes.
P.4.	Water conservation and recycling master plan.	<p>Stanford has performed effective conservation outreach and education, as evidenced by County staff discussions with campus facility managers. Stanford also has undertaken numerous water conservation projects, including installation of water misers, toilet retrofits, low flow jet spray nozzles, and Maxicom controls. The County continues to monitor Stanford implementation of the approved master plan as a measure of compliance with this condition. The County consults with the Santa Clara Valley Water District (SCVWD) to determine compliance. The SCVWD assessment is that Stanford appears to be implementing aggressive water conservation measures. The university has completed the plan and it was approved.</p> <p>The Waterwise demonstration garden was constructed in Spring 2003 and the dedication ceremony was held June 6, 2003. Utilities staff worked closely with SCRL to determine the best location for the garden. Stanford’s Water Program paid for installation of the garden and Facility operations continues to maintain it. The Water Conservation Program sponsored free water audits for high water use campus residents. Additionally, in 2003, the Water Conservation Program sponsored a water conservation faire and rebates to campus residents for landscaping and irrigation retrofits. On an on-going basis, periodically, water conservation outreach materials are provided to campus residents.</p>
P.5.	Annual daily average water use.	The allowed average daily water allocation from the

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
		San Francisco Water Department is 3.033 million gallons per day (mgd). Stanford's average campus domestic water use for the 2003-04 year was 2.5 mgd.
P.6.	Information on wastewater capacity and generation.	Stanford submitted project specific wastewater capacity information as necessary with ASA application materials.
P.7.	Palo Alto Unified School District school impact fees.	Stanford submitted school impact fees.
P.8.	Community Services Study.	No written requests for a study were received by Stanford.
<b>Q. Air Quality</b>		
Q.1.	Compliance with Bay Area Air Quality Management District (BAAQMD) measures for construction activities.	Grading activities associated with 2000 GUP projects that commenced during the reporting period complied with the BAAQMD control measures incorporated into the ASA conditions of approval.
Q.2.	Maintenance of equipment for construction activities.	Stanford requires all construction contractors to properly maintain equipment.
Q.3.	Conduct a risk screening analysis and obtain BAAQMD permit for building projects containing more than 25,000 square feet of laboratory space or 50 fume hoods.	None of the projects approved during the reporting period required a risk screening analysis or a permit from the BAAQMD. This information was provided by the ASA application requirements for projects proposed under the 2000 GUP.
<b>R. Noise</b>		
R.1.a-e	Compliance with County Noise Ordinance during construction activities of each building project.	Construction activities associated with 2000 GUP projects complied with the County Noise Ordinance and incorporated noise reduction measures as required by ASA conditions of approval.
R.2.	Limits on construction hours.	Construction activities associated with 2000 GUP projects were limited to construction hours as specified by the County Noise Ordinance.
R.3.	Operational noise reduction measures.	ASA-approved building projects will incorporate any county-specified noise reduction measures (listed in Section D of the MMRP) and will comply with the County Noise Ordinance.
R.4.	Limits on fireworks displays.	Two fireworks events occurred during the reporting period.
R.5.	Maintenance of hotline for noise complaints.	A noise hotline is maintained, (650) 724-4900. Three noise complaints were received during the reporting period, one regarding construction noise and two in relation to event noise. Stanford and the County continue to work with and respond to neighborhood residents and their questions regarding the noise hotline.

## Appendix B

# GUP Conditions and Compliance Activities

GUP Condition		Stanford Compliance
<b>S.</b>	<b>Additional Conditions</b>	
S.1.	Acceptance of Conditions of Approval.	See Annual Report 1.



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## **Appendix C**

### **Cumulative Projects**

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## Appendix C

### Cumulative Projects

Completed building projects under the GUP cap, housing projects, parking, non-GUP building projects and grading projects are being tracked in Appendix C. A map and table are provided for each category to illustrate the project, its location, its square footage/housing units/parking spaces counted toward the GUP cap, and in which annual report period the project was completed. Each table provides a cumulative total of square footage, housing, or parking to date. A table also provides a cumulative total of non-GUP building projects. Additional backup data will be kept on file by Stanford and the County.

Section II of this annual report provides brief descriptions of each project on which there was activity during the current reporting year. Projects listed in Appendix C that were completed in prior years are not reported in the body of the Annual Report. Detailed information on these projects may be found in previous Annual Reports.

## Appendix C

### Cumulative Projects

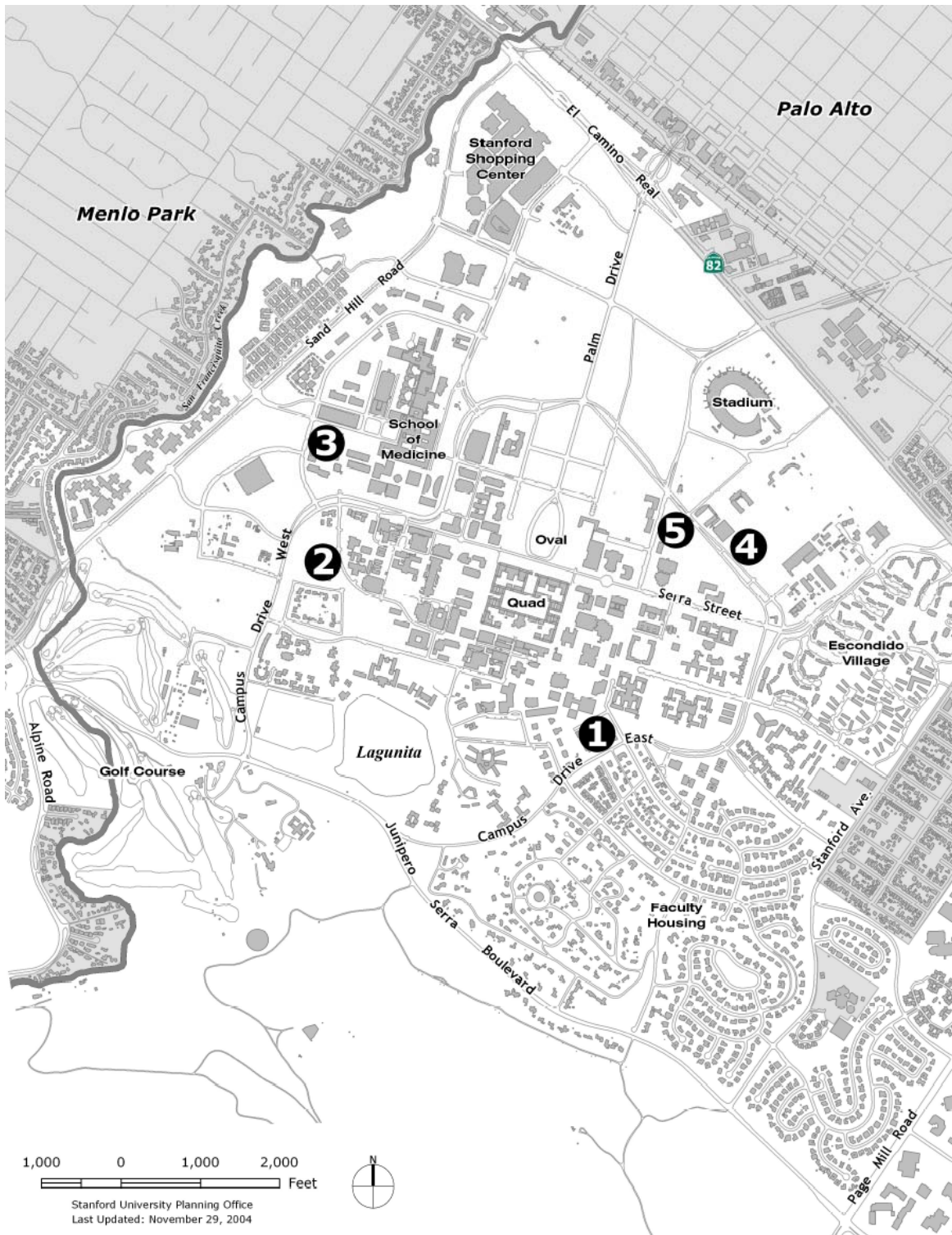
<b>KEY TO MAP C-1</b> <b>ANNUAL REPORT 1 THROUGH ANNUAL REPORT 4</b> <b>CUMULATIVE BUILDING PROJECTS THAT AFFECT GUP BUILDING AREA CAP</b>				
<b>Fiscal Year</b>	<b>Map No.*</b>	<b>Project</b>	<b>Built Area (sq. ft.)</b>	<b>Net Addition to GUP Building Cap</b>
Annual Report 1 (2000-01)	N/A	None	N/A	0
Annual Report 2 (2001-02)	1	Student Services	20,000	22,790
		Demo Bridge Building	(-2,752)	
		Band Trailer	4,320	
		Demo existing Band Trailer	(-2,160)	
		Rugby Pavilion	3,382	
Annual Report 3 (2002-03)	2	Carnegie Global Ecology Center	18,164	33,023
		Demolish Carnegie Greenhouses	(-6,161)	
	3	Lucas Center Expansion	20,600	
		Electronics Communications Hub-West	1,500	
		Demolition of Ortho Modular	(-2,080)	
		SoM Trailer Replacement	0	
		Galvez Modular Re-Permit	0	
Annual Report 4 (2003-2004)	4	Maples Pavilion Addition	18,298	92,915
		Demolish Maples Ticket Booth	(-179)	
	5	Arrillaga Family Recreation Center	74,796	
<b>Total Cumulative Net Contribution toward 2000 GUP Building Cap:</b>				<b>147,728</b>

Note: Projects included at the time of building permit issuance.

\*Map C-1 illustrates the locations of building projects 10,000 sq. ft. or greater. Projects smaller than 10,000 sq. ft. are not shown on Map C-1.

## Appendix C

### Cumulative Projects



MAP C-1  
CUMULATIVE BUILDING PROJECTS THAT AFFECT BUILDING AREA CAP  
(GREATER THAN 10,000GSF)

## Appendix C

### Cumulative Projects

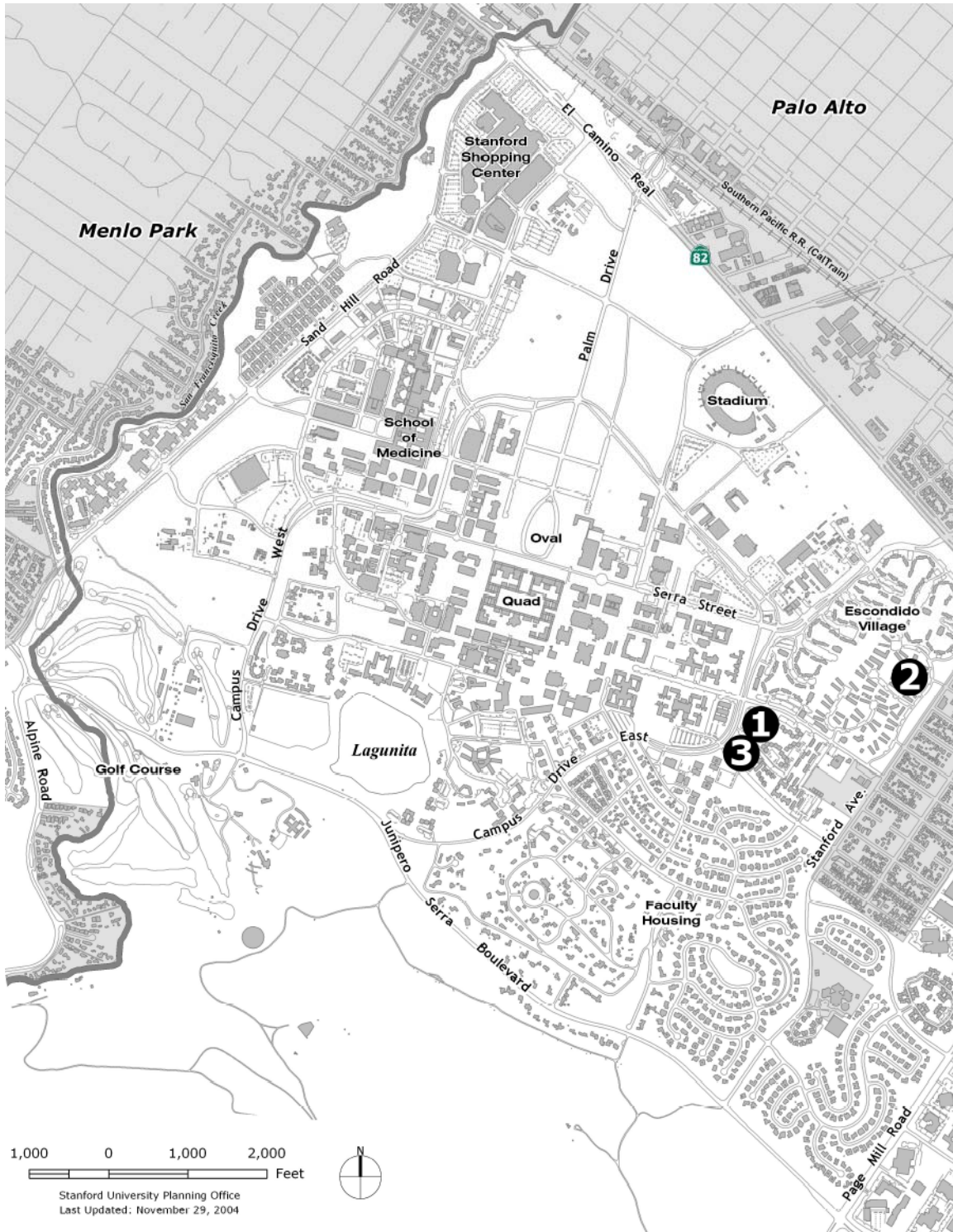
<b>KEY TO MAP C-2</b> <b>ANNUAL REPORT 1 THROUGH ANNUAL REPORT 4</b> <b>CUMULATIVE HOUSING PROJECTS</b>					
<b>Fiscal Year</b>	<b>Map No.*</b>	<b>Project</b>	<b>Housing Units</b>	<b>Square Footage</b>	<b>Annual Units</b>
Annual Report 1 (2000-01)	1	Mirrielees – Phase I	102	0	102
Annual Report 2 (2001-02)	2	Escondido Village Studios 5 & 6	281	139,258	331
	3	Mirrielees - Phase II	50	0	
		Branner Student Housing Kitchen	0	1,596	
Annual Report 3 (2002-03)	N/A	None	N/A	N/A	0
Annual Report 4 (2003-04)	N/A	None	N/A	N/A	0
<b>Total Cumulative Net Contribution toward 2000 GUP Housing Units</b>			<b>433</b>	<b>140,854</b>	

\*Map C-2 illustrates the locations of housing projects that add more than one unit. Individual housing projects are not shown on Map C-2.



## Appendix C

### Cumulative Projects



MAP C-2  
CUMULATIVE HOUSING PROJECTS



## Appendix C

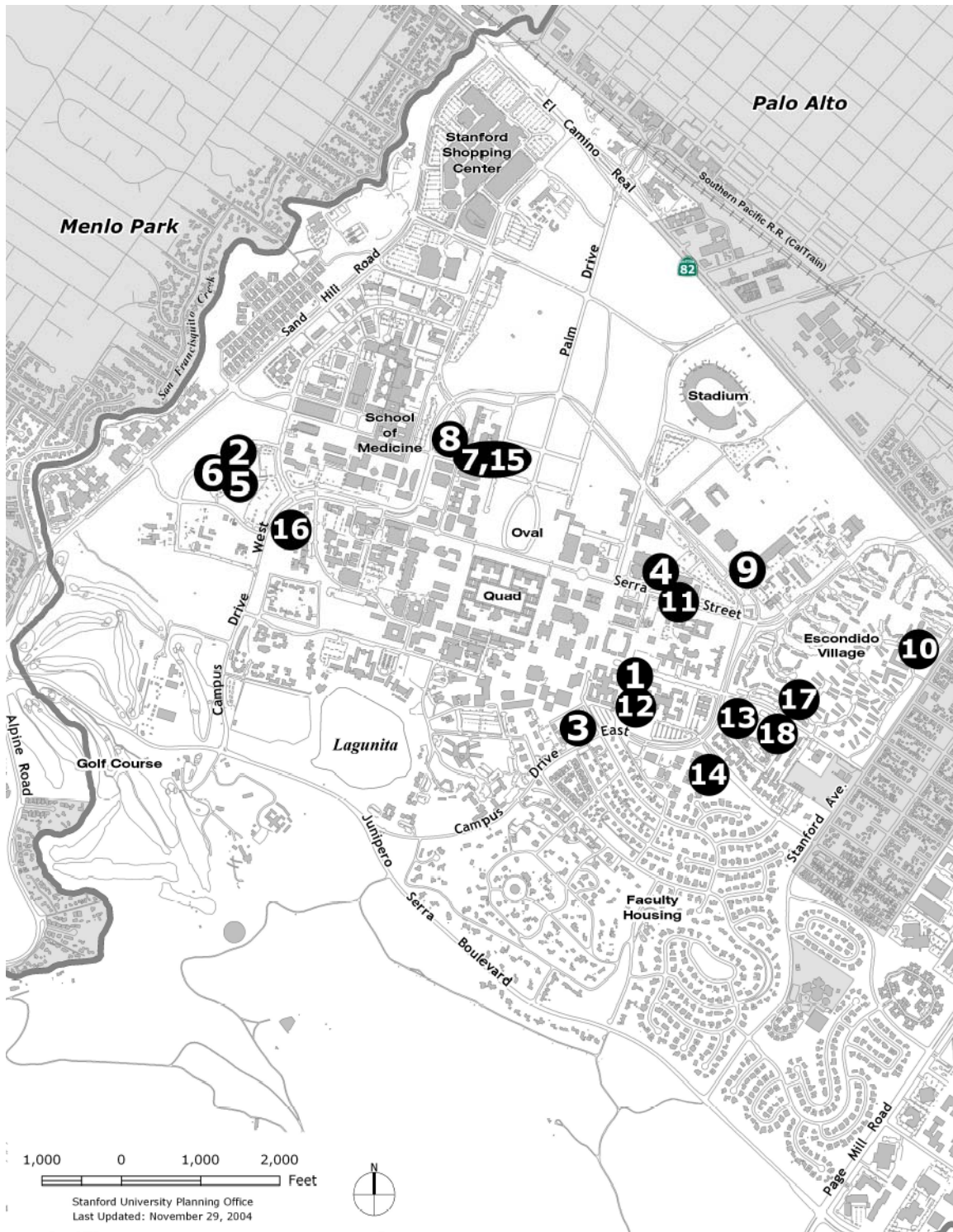
### Cumulative Projects

<b>KEY TO MAP C-3</b> <b>ANNUAL REPORT 1 THROUGH ANNUAL REPORT 4</b> <b>CUMULATIVE PARKING PROJECTS</b>				
<b>Fiscal Year</b>	<b>Map No.*</b>	<b>Project</b>	<b>Parking Spaces</b>	<b>Spaces Subtotal</b>
Annual Report 1 (2000-01)	1	Removal of Arguello Lot	(-55)	(-29)
	2	Oak Road Angle Parking	52	
		Oak Road Parallel Parking	12	
	3	Student Services Building	(-38)	
Annual Report 2 (2001-02)	4	Band Modular Project	23	31
	5	Parking Structure V	97	
	6	Oak Road (Angle to Parallel)	(-66)	
	7	Closure of Anatomy Lot	(-28)	
		Maples Lot	5	
	8	PS-1 Restriping/ADA	(-29)	
Annual Report 3 (2002-03)	9	Maples Lot	21	394
	10	Escondido Village Expansion	212	
	11	Serra Street Reconstruction	50	
	12	Arguello Lot	37	
	13	Mirrieles Lot Reconfiguration	(-23)	
	14	Cowell Lot Expansion	154	
		Carnegie Global Center Parking	17	
		Misc. reconstruction/restripe/ADA	(-45)	
	15	Anatomy Lot Reopening	26	
Annual Report 4 (2003-2004)		Encina Gym/ Arrillaga Rec Center Construction	(-17)	
	16	Ventura Lot Closing-CSLI/EPGY Annex Construction	(-21)	
	17	Housing Maintenance Yard Project	(-25)	
	18	Graduate Comm. Center Parking Lot	(-35)	
		Misc. reconstruction/restripe/ADA	(-19)	(-91)
<b>Total Cumulative Net Contribution toward 2000 GUP Parking Cap:</b>				<b>305</b>

\* Map C-3 illustrates the locations of parking projects that change the parking inventory by more than 20 spaces.

# Appendix C

## Cumulative Projects



MAP C-3  
CUMULATIVE PROJECTS THAT AFFECT PARKING INVENTORY (MORE THAN 20 SPACES)

## Appendix C

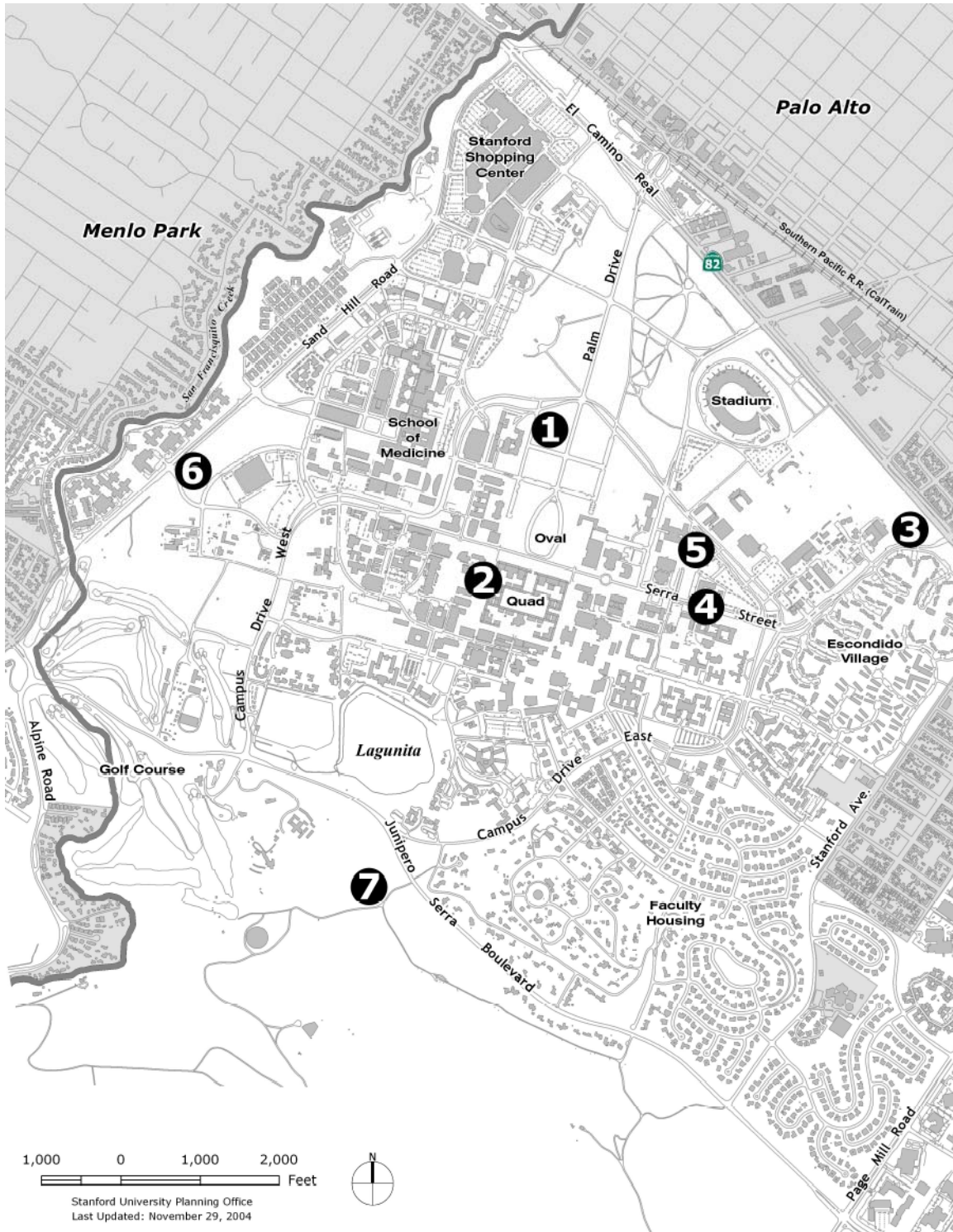
### Cumulative Projects

<b>KEY TO MAP C-4</b> <b>ANNUAL REPORT 1 THROUGH ANNUAL REPORT 4</b> <b>CUMULATIVE GRADING PERMIT PROJECTS*</b>		
<b>Fiscal Year</b>	<b>Map No.</b>	<b>Project</b>
Annual Report 1 (2000-01)	1	Sandstone Sculpture
Annual Report 2 (2001-02)	2	Lomita Mall
	3	Serra/ECR Detention Basin
	4	Serra Street Reconfiguration
	5	Encina Tennis Courts
Annual Report 3 (2002-03)		None
Annual Report 4 (2003-04)	6	West Campus Storm Detention
	7	CTS Breeding Ponds
	8	Hole #3 Golf Cart Bridge Replacement

\*Reported at the time of completion; Note: West campus Storm Detention erroneously reported as completed in AR 3.  
 Note: These are grading projects that were not associated with construction of academic or housing square footage.

## Appendix C

### Cumulative Projects



MAP C-4  
CUMULATIVE COMPLETED GRADING PROJECTS



## Appendix C

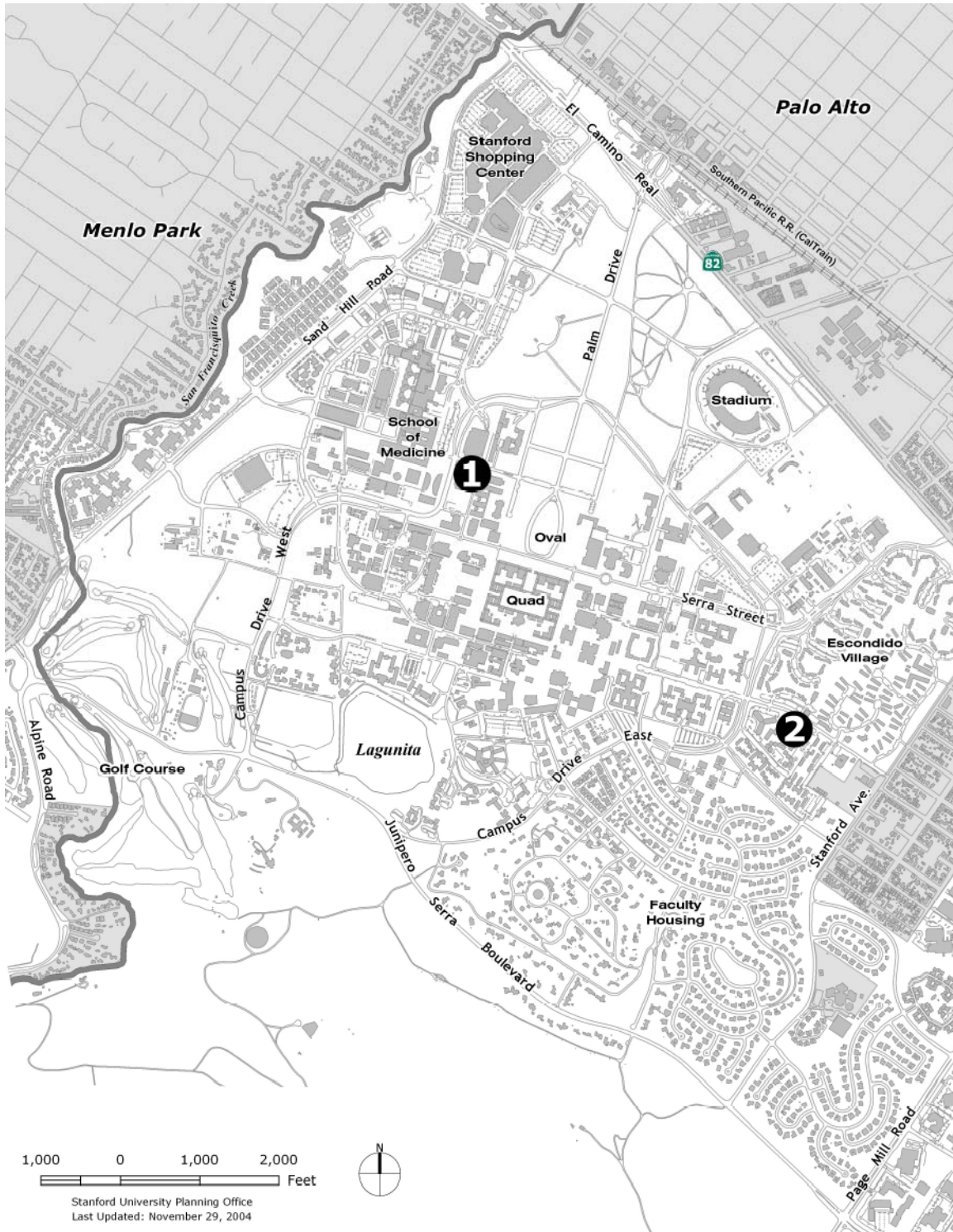
### Cumulative Projects

<b>KEY TO MAP C-5</b> <b>ANNUAL REPORT 1 THROUGH ANNUAL REPORT 4</b> <b>CUMULATIVE BUILDING PROJECTS THAT DO NOT AFFECT</b> <b>BUILDING AREA CAP*</b>						
				<b>Applicable Category</b>		
<b>Applicable GUP Condition:</b>				<b>A.2.a</b>	<b>A.2.b</b>	<b>A.3</b>
<b>Fiscal year</b>	<b>Map No.</b>	<b>Project</b>	<b>Size (sq. ft.)</b>	<b>1989 GUP (sq. ft.)</b>	<b>Temporary Surge Space (sq. ft.)</b>	<b>Community Childcare Center (sq. ft.)</b>
Annual Report 1 (2000-01)		None				
Annual Report 2 (2001-02)	1	Lokey Lab	85,063	85,063		
		Demolish Chem Storage	(-2,441)	(-2,441)		
		Demolish Shocktube Lab for ME	(-929)	(-929)		
		CCSC Modular Replacement	768			768
Annual Report 3 (2002-03)		None				
Annual Report 4 (2003-2004)		Maples Surge Trailers	2,688		2,688	
	2	Graduate Community Center	12,000			12,000
		CSLI/EPGY	8,270	8,270		
<b>Cumulative Net Square Feet:</b>			<b>105,419</b>	89,963	2,688	12,768

\*Only projects greater than 10,000 sq. ft. in size are shown on map

## Appendix C

### Cumulative Projects



MAP C-5  
CUMULATIVE BUILDING PROJECTS THAT DO NOT AFFECT BUILDING AREA CAP  
(GREATER THAN 10,000GSF)

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**Appendix D**  
**Summary Report of Traffic Monitoring**  
**2001-2004**



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SUMMARY REPORT OF TRAFFIC MONITORING  
Stanford University  
2001 to 2004

Prepared by  
Korve Engineering, Inc.  
January 18, 2005

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## Appendix D

# Summary Report of Traffic Monitoring

The following tables summarize Stanford Traffic Monitoring to date. The requirements for establishment of the traffic baseline and performing annual comparisons to the baseline are contained within the December 2000 Stanford Community Plan/General Use Permit (GUP)/Environmental Impact Report (EIR) and within the 2000 Stanford General Use Permit.

Condition of Approval G.7 outlines the process for establishing the baseline counts and for continuing monitoring in subsequent years. The process can be summarized as follows:

- Peak hour traffic is counted at least three times per year for a two-week period each time. The three counts shall be averaged to determine the annual traffic level.
- All counts are recorded at the 16 campus entry and exit points, which form a “cordon” around the campus.
- During the count, license plate numbers are recorded for each entering and exiting vehicle to determine the amount of non-campus traffic.
- Cordon volumes are adjusted for parking lots within the cordon used by the hospital (these volumes are subtracted from the cordon line counts) and parking lots outside the cordon used by the university (these volumes are added to the cordon line counts).
- A peak hour is then established for the campus based on the counts, adjusted for cut-through and parking lot location.

Condition of Approval G.4 defines the “no net new commute trips” standard as no increase in automobile trips during peak commute times in the peak commute direction, as counted at a defined cordon location around the central campus.

Condition of Approval G.6 defines the peak commute directions as entering the campus in the morning peak commute period and leaving the campus in the evening commute period. The peak commute period is defined as the one-hour period of time between 7 AM and 9 AM and again between 4 PM and 6 PM with the highest volume of traffic, as defined by the counts. Therefore, the two peak hours are considered to be independent events.

Condition of Approval G.9 states that the Planning Office shall monitor the cordon count volumes using the procedures described above. If the cordon counts, as modified by trip reduction credits, exceed the baseline volumes as calculated by the procedures outlined above by 1 percent or more for any two out of three consecutive years, mitigation of impacts to intersections identified in the December 2000 Stanford Community Plan/GUP EIR will be required. Since an increase in traffic during the AM peak hour is independent from an increase in traffic during the PM peak hour, an increase in traffic for two out of three years in one peak hour would trigger the additional elements of the monitoring program without a change, or even with a decrease in the other peak hour. Also a significant increase during one year in the AM and a sufficient increase in the PM for the following year would not trigger additional mitigation.

# Appendix D

## Summary Report of Traffic Monitoring

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### 2001 Baseline

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**Original Publication Date:**

**July 2002**

**Updated Publication Date:**

**October 15, 2003**

Changes between the July 2002 and October 2003 reports were minor editorial corrections.

**Inbound AM:**

Adjusted Average 2002 Count	3,319
90% Confidence Interval (2001)	+/- 120
Significant Traffic Increase (2001)	3,439
1% Increase Trigger (2001)	3,474

**Outbound PM:**

Adjusted Average 2002 Count	3,446
90% Confidence Interval (2001)	+/- 109
Significant Traffic Increase (2001)	3,555
1% Increase Trigger (2001)	3,591

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# Appendix D

## Summary Report of Traffic Monitoring

### 2002 Monitoring Report

**Original Publication Date:**  
**Updated Publication Date:**

**December 2002**  
**October 15, 2003**

An update to the original 2002 Monitoring Report was issued on October 15, 2003. Following the publication of the July 2003 report, Stanford and the County separately analyzed traffic data for the Stanford Homecoming week. Based on consultation with Stanford and independent analysis of County consultant traffic data, the County determined that data collected for the week of Homecoming should not be included in the comparison data set. The rationale for this decision was that Homecoming had been ongoing for years, was not included in the Baseline counts, and would continue to be an annual event. The County communicated to Stanford that other future "large events" would not be excluded from future counts. The revised analysis substituted the week of October 28, 2002, for the previously counted week of October 14, 2002. The results of this change are noted in the table below as the first revision.

Subsequent to the first adjustment to the 2002 Monitoring Report discussed above, Stanford informed the County that additional Marguerite Shuttle runs had been introduced to campus since the completion of the Baseline counts, and thus counted in the Year 1 (2002) comparison counts. This resulted in an increase of 12 vehicles in each peak hour. County staff determined that these new bus lines should be subtracted from the comparison count. The resultant counts are noted in the table below as the second revision.

	<b>Original Data</b>	<b>First Revision Data</b>	<b>Second Revision Data</b>
<b><u>Inbound AM:</u></b>			
Adjusted Average 2002 Count	3,390	3,287	3,275
Baseline-established 90% Confidence Interval (2001)	+/-120	+/-120	+/-120
Baseline-established Significant Traffic Increase (2001)	3,439	3,439	3,439
Baseline-established 1% Increase Trigger (2001)	3,474	3,474	3,474
Result	-84	-187	-199

	<b>Original Data</b>	<b>First Revision Data</b>	<b>Second Revision Data</b>
<b><u>Outbound PM:</u></b>			
Adjusted Average 2002 Count	3,678	3,598	3,586
Baseline-established 90% Confidence Interval (2001)	+/-109	+/-109	+/-109
Baseline-established Significant Traffic Increase (2001)	3,555	3,555	3,555
Baseline-established 1% Increase Trigger (2001)	3,591	3,591	3,591
Result	+87	+7	-5

# Appendix D

## Summary Report of Traffic Monitoring

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### 2003 Monitoring Report

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**Original Publication Date:**

**January 29, 2004**

The following table summarizes the results of traffic monitoring for 2003.

**Inbound AM:**

Adjusted Average 2003 Count	3,413
Baseline-established 90% Confidence Interval (2001)	+/- 120
Baseline-established Significant Traffic Increase (2001)	3,439
Baseline-established 1% Increase Trigger (2001)	3,474
Result	-61

**Outbound PM:**

Adjusted Average 2003 Count	3,476
Baseline-established 90% Confidence Interval (2001)	+/- 109
Baseline-established Significant Traffic Increase (2001)	3,555
Baseline-established 1% Increase Trigger (2001)	3,591
Result	-115

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# Appendix D

## Summary Report of Traffic Monitoring

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### 2004 Monitoring Report

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**Original Publication Date:**

**January 18, 2005**

The following table summarizes the results of traffic monitoring for 2004.

**Inbound AM:**

Adjusted Average 2004 Count	3,413
Baseline-established 90% Confidence Interval (2001)	+/- 120
Baseline-established Significant Traffic Increase (2001)	3,439
Baseline-established 1% Increase Trigger (2001)	3,474
Result	-298

**Outbound PM:**

Adjusted Average 2004 Count	3,642
Baseline-established 90% Confidence Interval (2001)	+/- 109
Baseline-established Significant Traffic Increase (2001)	3,555
Baseline-established 1% Increase Trigger (2001)	3,591
Result	+51

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### Conclusions

The Stanford Traffic Monitoring began in the Spring 2001. Monitoring counts are done each calendar year. The 2001 counts serve as the Baseline to which future years are compared.

Two adjustments were made to the 2002 counts that are summarized in this report. On the basis of results of the 2002 counts, following the adjustments, it was concluded that the counts were below the threshold that would indicate an increase in traffic volumes. Stanford thus was found to be in compliance with the “no net new commute trips” GUP requirement for 2002.

The results of the 2003 counts were also below the threshold that would indicate an increase in traffic volumes. Stanford thus was also found to be in compliance with the “no net new commute trips” requirement for 2003.

The results of the 2004 counts were below the threshold that would indicate an increase in traffic volumes for the inbound AM peak hour traffic. However, the 2004 count for the outbound PM peak hour traffic exceeds this threshold by 51 vehicles. Stanford will have the opportunity to apply for trip credits to reduce the PM peak hour count by 51 outbound vehicles in order to be in compliance with the “no net new commute trips” requirement for 2004.



## Appendix D

# Summary Report of Traffic Monitoring

The following definitions are provided to assist in understanding for procedures of the Stanford Traffic Monitoring.

**Adjusted Traffic** – The raw traffic counts defined below are adjusted to add in University traffic that does not cross the cordon, and to subtract hospital traffic that does cross the cordon, and cut-through traffic through the campus that is not university related. The adjusted traffic volumes are used to compare the Baseline traffic volumes to subsequent year volumes to assess potential changes in commute traffic volumes.

**AM Peak Hour** – The 60-minute time period with the highest volume of traffic within the 2-hour AM Peak Period. During the AM Peak Period, traffic counts are aggregated by 15-minute increments. The AM Peak Hour is the highest four consecutive 15-minute intervals during the Peak Period for all 16 entrance/exit points combined.

**AM Peak Period** – The 2-hour period beginning at 7:00 AM and ending at 9:00 AM. The AM Peak Hour is calculated for traffic volumes collected during the AM Peak Period.

**Average Count** – Traffic data are collected for 16 entry and exit points. The entering data are averaged for the AM peak and the existing data are averaged for the PM peak. The average counts are used to compare one year to a subsequent year to determine if a change in traffic volumes has occurred.

**Baseline** – The Baseline traffic data are the counts from calendar year 2001, the first year of monitoring after approval of the Stanford GUP in 2000. Subsequent year's counts are compared to the Baseline to determine if the GUP condition requiring no net new commute trips is being satisfied.

**Cordon Line** – A cordon line is an imaginary line that completely encircles an area and crosses all roads leading into and out of the area. By counting traffic volumes on the cordon by direction, the amount of traffic entering the area and exiting the area can be determined. For Stanford traffic monitoring, the cordon line surrounds the campus and crosses all entry and exit roads, such that all vehicles entering and exiting the campus can be counted.

**License Plate Survey** – the last four digits of the license plates of each vehicle entering and exiting the campus is recorded for one day during each week of traffic counts. The time period during which each identified vehicles enters and exits the campus cordon is also recorded. If an entering vehicle's license plate matches an exiting vehicle's license plate with a 15-minute interval, that vehicle is assumed to represent a cut-through trip (i.e. not campus-related) and is subtracted from the total traffic count for Stanford since it does not represent traffic related to Stanford. In order for a vehicle trip to be identified as "cut-through", it must be identified by license plate match as having entered via one roadway and exited via another. If a car is identified by license plate match as using the same entering and exiting roadway, the trip purpose is assumed to be to drop-off a passenger within the campus, and the trip is assumed to be Stanford related and is not subtracted from the trip count total.

**PM Peak Hour** – The 60-minute time period during which the highest volume of traffic is counted, within the 2-hour PM Peak Period. During the Peak Period, traffic counts are aggregated by 15-minute increments. The PM Peak Hour is the highest four consecutive 15-minute interval during the Peak Period for all 16 entrance/exit points combined.

## Appendix D

# Summary Report of Traffic Monitoring

**PM Peak Period** – The 2-hour period beginning at 4:00 PM and ending at 6:00 PM. The PM Peak Hour is calculated for traffic volumes collected during the PM Peak Period.

**Raw Data** – The total traffic volumes counted at the cordon line before adjustments are made. Adjustments are made to the raw data to subtract hospital parking within the cordon, and cut-through traffic from the total count, and to add university parking outside the cordon to the total count, in order to accurately account for traffic attributable to Stanford University.

**Significant Traffic Increase** – In comparing the change in traffic volumes between the Baseline and subsequent years, only statistically significant changes are considered. The following parameters define how a significant traffic increase is calculated:

- **Ninety Percent Confidence Interval** – A confidence interval is calculated to determine if a subsequent set of data is statistically different from the Baseline data. The County selected a 90 percent confidence interval as the significance threshold. Based on the daily variation in the Baseline counts, the 90 percent confidence interval for the AM peak hour is +/- 120 vehicles. The 90 percent confidence interval for the PM peak hour is +/- 109 vehicles. Therefore, if a subsequent year count exceeds the Baseline count by more than 120 vehicles, there is a 90 percent likelihood that the increase in traffic volumes has increased significantly.
- **One Percent Increase Trigger** – The 1 percent trigger is a second criterion for identifying significant increases in traffic volume. Condition of Approval G.9 stipulates that if traffic volumes increase above the Baseline volumes by 1 percent or more in two out of three consecutive years, this will “trigger” a requirement for additional mitigation.

**Trip Credits** – condition of Approval G.8 specifies that the County will recognize and “credit” Stanford off-campus trip reduction efforts after the approval data of the GUP (December 12, 2000), but not before, within a specified area surrounding the campus. These credits can be used to offset a significant increase in peak hour traffic into and out of the campus. Specific guidelines have been established that define how credits can be applied. An example of a credit would be Stanford providing bus service to someone traveling from the Caltrain Station to the hospital. By reducing overall travel in the area around the campus, Stanford can receive a credit against increases in travel onto the campus.

## Santa Clara County Board of Supervisors

70 West Hedding Street, 10<sup>th</sup> Floor, San Jose California 95110 (408) 299-2323  
Meetings: Tuesdays at 9:30 a.m. Board of Supervisors Chambers

<b>District 1</b>	Supervisor Donald F. Gage
<b>District 2</b>	Supervisor Blanca Alvarado
<b>District 3</b>	Supervisor Pete McHugh
<b>District 4</b> (Vice-Chair)	Supervisor James T. Beall Jr.
<b>District 5</b> (Chair)	Supervisor Liz Kniss

## Santa Clara County Planning Commissioners

Public Hearings: First Thursday of each month, Board of Supervisors Chambers

<b>Sequoia Hall</b>	Term Expires: 06-30-07	Appointed by District 4 (Allocated)
<b>Richard Palmisano</b> - Chairperson	Term Expires: 06-30-06	Appointed by District 1 (Rotating)
<b>Jack Bohan</b>	Term Expires: 06-30-06	Appointed by District 1 (Allocated)
<b>Dennis Chiu</b>	Term Expires: 06-30-06	Appointed by District 3 (Allocated)
<b>Rebecca Gallardo</b>	Term Expires 06-30-06	Appointed by District 2 (Rotating)
<b>Lydia Tan</b> - Vice-Chairperson	Term Expires 06-30-04	Appointed by District 5 (Allocated)
<b>Ed Voss</b>	Term Expires: 06-30-07	Appointed by District 2 (Allocated)

## Stanford Community Plan/General Use Permit Community Resource Group

Bruce Baker	Mary Davey	Roy Lave	Geri Stewart
Jim Burch	Kathy Durham	Emily Rachel Lesk	James Sweeney
Andrew Cohen	Jerry Hearn	Brian Schmidt	Lee Doboc Richard Luthy (Alternates)

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Michael Lopez	Interim Planning Director
Gary Rudholm	Senior Planner
Tim Heffington	Project Manager: Stanford University Environmental Mitigation Monitoring and Reporting Program
Carmela Campbell	Secretary, Architecture and Site Approval Committee