

**County of Santa Clara**  
**Department of Planning and Development**  
County Government Center, East Wing, 7th Floor  
70 West Hedding Street  
San Jose, CA 95110  
Phone: (408) 299-5700  
www.sccplandev.org



**STAFF REPORT**  
**Zoning Administration**  
**August 3, 2023**  
**Item #1**

Staff Contact: Lulu Pang, Assistant Planner  
(408) 299-5718, [lulu.pang@pln.sccgov.org](mailto:lulu.pang@pln.sccgov.org)

**PLN23-050 (STANFORD UNIVERSITY)**  
**Architecture and Site Approval – New Covering Over Existing**  
**Stanford University Taube South Tennis Courts**

Summary: Architecture & Site Approval for the construction of a new 41,368 square feet (sq. ft.) structure to cover the existing Taube South tennis courts, and associated site improvements. The existing tennis courts and precast concrete bleachers will be retained on the site. No protected tree is proposed to be removed. No grading or exterior lighting is proposed as part of this project.

**Owner:** Stanford University  
**Applicant:** Mark Bonino, Project Manager  
**Address:** 638 Campus Drive, Stanford  
**APN:** 142-04-036  
**Supervisorial District:** 5

**Community Plan Designation:**  
Academic Campus  
**Zoning:** A1  
**Project Area:** 49,063 sq. ft. / 1.1 acres

**RECOMMENDED ACTIONS**

- A. Approve the use of a prior California Environmental Quality Act (CEQA) document [2000 Stanford Community Plan and General Use Permit (GUP) Program Environmental Impact Report (EIR)]; and,
- B. Grant an Architecture & Site Approval, pursuant to Conditions of Approval outlined in Attachment B.

**ATTACHMENTS INCLUDED**

Attachment A – CEQA Determination – Use of a Prior CEQA Document

Attachment B – Preliminary ASA Conditions of Approval

Attachment C – Location & Vicinity Map

Attachment D – Proposed Plans

## **PROJECT DESCRIPTION**

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The proposed project is for the construction of a new 41,368 sq. ft. structure to cover the existing Taube South tennis courts and associated site improvements. The project includes the demolition of the existing eight (8) light poles. The existing tennis courts, and precast concrete bleachers will be retained on the site. The site is surrounded by other Stanford athletic facilities including the Arrillaga Center for Sports and Recreation to the west, and Zambrano Hall to the south. El Camino Real is located approximately 2,300 feet northeast of the project site. Attachment C includes a location and vicinity map of the project site.

No new parking spaces are proposed as part of this project. One (1) oak tree with a trunk size of 10 inches in diameter at 4.5 feet above grade is proposed to be removed. The tree proposed for removal is not a protected tree per the County of Santa Clara tree preservation ordinance and is not required to be replaced. No tree is proposed to be planted on site.

No grading work or new exterior lighting is proposed as part of this project.

## **REASONS FOR RECOMMENDATION**

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### **A. Environmental Review and Determination (CEQA)**

The proposed project is in conformance with both the 2000 Stanford Community Plan (SCP) and GUP and has no new effects beyond those analyzed in the Program EIR, certified by the Board of Supervisors in December 2000. The Program EIR analyzed the environmental impacts of campus development allowed under the SCP and GUP. The proposed project is within the scope of the campus development analyzed in the 2000 GUP. Therefore, the use of the prior CEQA document is adequate for this project.

### **B. Project/Proposal**

1. **Stanford Community Plan and GUP:** The project conforms to applicable Community Plan goals, strategies, and policies. Academic Support uses like the athletic facilities (tennis courts) are permitted uses within the Academic Campus land use designation, and as conditioned will satisfy the requirements of the GUP. The 2000 Community Plan and GUP govern development projects on the Stanford campus. This project conforms to the criteria set forth by the GUP and provisions identified within the Community Plan and is subject to compliance with the preliminary conditions outlined in Attachment B.

2. **ASA approval:**

Architecture & Site Approval (ASA) approval standards, applicable regulations, and findings: The project substantially conforms to the requirements and guidelines in the SCP and GUP. These requirements meet all of the ASA Guidelines through the ASA approval process approved by the Zoning Administrator.

**C. ASA Findings:**

Pursuant to §5.40.040 of the County Zoning Ordinance, the Zoning Administrator may grant an Architecture & Site Approval contingent upon specific findings. In the following discussion, the scope of review findings is listed in **bold**, and an explanation of how the project meets the required standard is in plain text below.

**A. Adequate traffic safety, on-site circulation, parking and loading areas, and insignificant effect of the development on traffic movement in the area;**Long-term traffic

The project is located within an established area of the Stanford academic campus with adequate parking facilities. Traffic impacts of academic and academic support projects in the core of the campus have been assessed in the programmatic 2000 GUP EIR. These traffic impacts are not dependent on the location of academic projects, as occupants of these buildings will travel to established parking areas, not to the proposed building itself. The proposed project is to renovate the existing Taube South tennis courts with a new covering. As such, the project does not generate any new trips from a traffic impact perspective as there is no increase in capacity associated with the project. Additionally, the traffic would be consistent with that analyzed in the 2000 GUP EIR.

Short-term construction traffic

The project will result in short-term impacts related to construction activities; however, conditions of approval have been added to this project to mitigate these short-term impacts to a “*less than significant level*”. All construction trucks will be required to use approved truck routes, for transporting construction materials to and from the site. Furthermore, the project has been conditioned to restrict construction material deliveries to non-peak hours, as defined in the 2000 GUP EIR. Compliance with the Conditions of Approval (Attachment B) ensures that the short-term construction traffic associated with the project will not have a significant effect on traffic movement in the area.

Parking

Stanford addresses parking needs at the University in a comprehensive manner, staying within the parking cap established under the 2000 GUP. The project does not propose adding to or removing existing parking spaces, as the existing parking is adequate for the proposed development. The nearest commuter and visitor parking can be found at Sam McDonald Mall, in the Varsity Parking Lot, and on Bonair Siding Road, in the Maples Parking Lot.

For the reasons stated above, this finding can be made.

**B. Appearance of proposed site development and structures, including signs will not be detrimental to the character of the surrounding neighborhood or zoning district;**

The new covering over the existing Taube South tennis courts will not be detrimental to the character of the surrounding neighborhood. The project site is located in Stanford’s Department of Athletics, Physical Education and Recreation (DAPER) and Administrative Development District, surrounded by other Stanford athletic facilities

including the Arrillaga Center for Sports and Recreation to the west, and Zambrano Hall to the south (Attachment D, sheet PL1.2).

The proposed new structure to cover the tennis courts will include a 41,368 sq. ft. metal deck roof supported by structural components such as round columns, flange beams, and structural cables. Existing tennis courts and bleachers will be retained on the site. To provide a compatible design with the other athletic facilities in DAPER District, the proposed covering includes a flat roof and comparable materials palette. The brown color of the mesh screen and the grey color of the structural components will match the surrounding buildings (shown on sheet A3-1 of Attachment D).

No exterior lighting is proposed for this project. Interior lighting under the roof and within the façade will be included in the project. Eight (8) existing light poles that are located around the outside perimeter of the tennis courts will be removed from the site.

As such, the new covering over the existing Taube South tennis courts would conform with the surrounding area and will not be detrimental to the character of the surrounding neighborhood or zoning district.

For the reasons stated above, this finding can be made.

**C. Appearance and continued maintenance of proposed landscaping will not be detrimental to the character of the surrounding neighborhood or zoning district;**

The GUP and the SCP require that replacement trees, for those removed that are 12 inches or greater in diameter at 4.5 feet from grade level, be planted at a 1:3 ratio for all protected oak trees and at a minimum 1:1 ratio for all protected non-oak trees. One oak tree with a trunk size of 10 inches in diameter at 4.5 feet above grade is proposed to be removed. The tree proposed for removal is not a protected tree per the County of Santa Clara tree preservation ordinance and is not required to be replaced. No tree is proposed to be planted on site. All other trees in the project area shall remain and will be considered protected after approval of this project (shown on sheet L-1.01 of Attachment D).

A preliminary landscape plan was submitted by the applicant for review. The landscape design for this project preserves the existing landscaping at the tennis courts. Planting areas adjacent to the courts will be top-dressed with bark mulch and areas at court entry gates will have new concrete paving to match existing conditions around the project site. No issues of concern were identified, and the preliminary landscape plan meets County requirements. Staff has added a condition of approval requiring that the landscaping meet the requirements of the SCP and GUP. The final landscape plan is also subject to the requirements of the County Sustainable Landscape Ordinance. The final landscape plan will not be detrimental to the surrounding area and will blend in with the area's surrounding character.

As such, this finding can be made.

**D. No significant, unmitigated adverse public health, safety and environmental effects of proposed development;**

The Program GUP EIR certified by the Board of Supervisors in December 2000 analyzed the environmental impacts of Stanford campus development allowed under the SCP and GUP. The proposed project is within the scope of the development analyzed in the 2000 GUP EIR. All appropriate conditions of approval have been added to ensure conformance with the 2000 GUP EIR.

The prior CEQA analysis concluded that the proposed development would not result in any significant environmental impacts as it relates to parking, traffic, construction noise, and air quality. The project has been reviewed with respect to all applicable regulations relating to public health and safety by County subject matter experts, including Land Development Engineering, Department of Environmental Health, and the Fire Marshal. All subject matter experts have recommended approval of the project with Conditions and determined that the project will not result in significant, unmitigated adverse public health, safety, or environmental effect. Furthermore, the CEQA analysis for the project determined that with the conditions of approval, the project would not result in any significant environmental impacts (See Attachment A).

As such, this finding can be made.

**E. No adverse effect of the development on flood control, storm drainage, and surface water drainage;**

The project site does not contain any creeks or streams and is not located within a 100-year flood zone. The project has been reviewed by County Land Development and Engineering staff with respect to all applicable regulations relating to drainage and flood control. As such, this finding can be made.

**F. Adequate existing and proposed fire protection improvements to serve the development;**

The Fire Marshal's Office has reviewed and conditioned the project to ensure existing and proposed fire protection access and water supply are in conformance with applicable regulations. Additionally, Conditions of Approval no. 26 through 29 (Attachment B) have been included to ensure compliance with County regulations relating to fire protection. For these reasons, this finding can be made.

**G. No significant increase in noise levels;**

The project is not anticipated to cause any significant increases in noise levels to the surrounding neighborhoods, due to its location within DAPER District, surrounded by other Stanford athletic facilities.

The project may create short-term/temporary construction noise impacts due to construction activities and construction traffic. The project has been conditioned to limit

construction activities to the hours of 7 AM and 7 PM, Monday through Saturday, with no construction activity occurring between the hours of 7 PM and 7 AM, or on Sundays.

Therefore, as conditioned, this finding can be made.

**H. Conformance with zoning standards, unless such standards are expressly eligible for modification by the Zoning Administrator as specified in the Zoning Ordinance.**

The project site is zoned A1, which is the “General Use” zoning district that provides for general purpose uses subject to discretionary land use approvals. The standards applicable to development within this zoning district are listed in Table 2.50-2 of the County Zoning Ordinance, which establishes a 35-foot maximum height requirement for the A1 district.

The proposed new covering has a maximum height of 44 feet, as measured from the finish floor to the top of the parapet (shown on sheet A3-2 of Attachment D). The proposed covering is 9 feet over the 35-foot standard height limit typically allowed in the A1 district. The Zoning Administrator is allowed to make an exception to the 35 feet height limitation, subject to the following limitations:

1. Nonresidential uses adjacent to any residentially developed property may be required to provide a minimum front yard setback equal to that of the adjacent residential use; and
2. Nonresidential uses adjacent to any residentially developed property shall be required to provide a minimum side and rear yard setback equal to one-half the height of the building closest to the setback, or five (5) feet, whichever is greater.

Since the proposed new covering over the existing Taube South tennis courts is not situated adjacent to residential uses as all buildings in the neighboring area are athletic facilities, the limitations for granting an exception to the maximum height noted above do not apply to this project. Additionally, the proposed covering is compatible with the existing height of the surrounding buildings in the DAPER District. The surrounding building heights of existing buildings range from 39 feet (Arrillaga Hall) to 50 feet (Zambrano Hall).

As such, Staff recommends support of the increase to the height limitations for this project, and this finding can be made.

**I. Conformance with the general plan and any applicable area or specific plan, or, where applicable, city general plan conformance for property located within a city’s urban service area; and**

The Stanford academic campus is primarily designated as Major Educational and Institutional Use within the Santa Clara County General Plan. The Community Plan identifies the project site for Taube South Tennis Courts as Academic Campus. The proposed project is a construction of a new covering for an existing athletic facility and complies with the applicable policies set forth in the Community Plan with reference to

SCP-LU1 and SCP-LU2, which state that allowable academic uses include athletics, physical education, and recreation facilities. As such, this finding can be made.

**J. Substantial conformance with the adopted “Guidelines for Architecture and Site Approval” and other applicable guidelines adopted by the County.**

Some suggested regulations that are addressed in the ASA Guidelines are superseded by the requirements and guidelines of the SCP and GUP. Nonetheless, conformance with the SCP and GUP is consistent with the ASA Guidelines. Specifically, the proposed project complies with the landscaping guidelines set forth in the ASA Guidelines as the landscaping blends with vegetation on nearby properties, and natural vegetation is retained to the extent feasible. As such, this finding can be made.

**BACKGROUND**

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On December 12, 2000 the County of Santa Clara approved the 2000 Stanford University Community Plan and GUP, governing development projects on the Stanford campus. The GUP allows Stanford to construct up to 2,035,000 net sq. ft. of academic and academic support uses, 3,018 new housing units, and 2,300 net new parking spaces on Stanford lands. The GUP was subsequently amended three times to move permitted academic square footage from one district to another, provide flexibility in the type of housing construction, and for additional housing.

The proposed new covering for the Taube South tennis courts is a 41,368 sq. ft. structure designed as unconditioned space, which is not counted as GUP square footage. The site is located within the DAPER and Administrative Development District. As of July 2023, the existing GUP square footage in the District is **79,494** sq. ft. As the project does not have any GUP square footage, after the addition of the new covering for the Taube South tennis courts, the District would still have a remaining balance of **79,494** sq. ft.

On March 23, 2023, an application for Architecture and Site Approval was submitted for the new covering over the existing Taube South tennis courts. The application was deemed incomplete on April 21, 2023, and was resubmitted on June 5, 2023. Subsequently, the application was deemed complete on June 29, 2023. As of writing this report, no public comments were received for this application. A public notice was mailed to all property owners within a 300-foot radius and the interested parties list on July 24, 2023, and was also published in the Post Records on July 24, 2023.

**STAFF REPORT REVIEW**

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Prepared by: Lulu Pang, Assistant Planner

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*Lulu Pang* 7/27/2023  
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Reviewed by: Samuel Gutierrez, Principal Planner

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# **ATTACHMENT A**

Use of A Prior CEQA Document



# USE OF A PRIOR CEQA DOCUMENT PROGRAM ENVIRONMENTAL IMPACT REPORT (EIR)

Pursuant to Section 15162 of the CEQA Guidelines, the County of Santa Clara has determined that the project described below is pursuant to or in furtherance of an Environmental Impact Report which has been previously adopted and does not involve new significant impacts beyond those analyzed in the previous Environmental Impact Report.

<b>File Number</b>	<b>APN(s)</b>	<b>Date</b>
PLN23-050	142-04-036	August 03, 2023
<b>Project Name</b>	<b>Project Type</b>	
New Covering Over Existing Taube South Tennis Courts (Stanford University)	Architecture and Site Approval	
<b>Owner</b>	<b>Applicant</b>	
Stanford University	Mark Bonino, Project Manager	
<b>Project Location</b>		
638 Campus Drive, Stanford		
<b>Project Description</b>		
Architecture & Site Approval (ASA) for the construction of a new 41,368 square feet structure to cover the existing Taube South tennis courts, and associated site improvements. The existing tennis courts and precast concrete bleachers will be retained on the site. No protected tree is proposed to be removed. No grading or exterior lighting is proposed as part of this project.		
<b>Background and Summary of Findings</b>		

Per the California Environmental Quality Act (CEQA) of 1970 (as amended), all development permits processed by the County Planning Office which require discretionary approval are subject to environmental review. A new Negative Declaration or EIR is not required if a previous CEQA document has been prepared and adopted or certified which adequately addresses all the possible environmental impacts of the proposed project and (a) no substantial changes are proposed in the project which will result in new significant environmental effects, (b) no substantial changes have occurred with respect to the circumstances under which will result in the identification of new significant impacts, or (c) no new information is available which shows that the project will have new significant impacts or mitigation measures and alternatives which were previously found to be infeasible would now in fact be feasible (CEQA Guidelines 15162).

The Planning Office evaluated the project described above and has determined that none of the circumstances exist which would require additional environmental review. As such the environmental impacts of the project have been adequately evaluated in the Environmental Impact Report adopted by the Board of Supervisors on December 15, 2000, for the project entitled “Stanford University Community Plan and General Use Permit” and that no further environmental review is required under the California Environmental Quality Act.

<p><b>Prepared by:</b> Lulu Pang, Assistant Planner</p>	<p>DocuSigned by: <i>Lulu Pang</i> 141F3FF92BA940B... <b>Signature</b></p>	<p>7/27/2023 <b>Date</b></p>
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## **ATTACHMENT B**

Preliminary ASA Conditions of Approval

**ATTACHMENT B**  
**PRELIMINARY CONDITIONS OF APPROVAL FOR**  
**ARCHITECTURE & SITE APPROVAL**

Date: August 3, 2023

Owner/Applicant: Stanford University

Location: 638 Campus Drive, Stanford (APN: 142-04-036)

File Number: PLN23-050

CEQA: Prior CEQA - 2000 Stanford Community Plan and General Use Permit (GUP) Program Environmental Impact Report (EIR)

Project Description: Architecture & Site Approval for the construction of a new 41,368 square feet (sq. ft.) structure to cover the existing Taube South tennis courts, and associated site improvements. The existing tennis courts and precast concrete bleachers will be retained on the site. No protected tree is proposed to be removed. No grading or exterior lighting is proposed as part of this project.

If you have any questions regarding the following preliminary conditions of approval, call the person whose name is listed as the contact for that agency. They represent a specialty or office and can provide details about the conditions of approval.

<b>Agency</b>	<b>Name</b>	<b>Phone</b>	<b>E-mail</b>
<b>Planning</b>	Lulu Pang	(408) 299-5718	<a href="mailto:lulu.pang@pln.sccgov.org">lulu.pang@pln.sccgov.org</a>
<b>Land Development Engineering</b>	Ed Duazo	(408) 299-5733	<a href="mailto:ed.duazo@pln.sccgov.org">ed.duazo@pln.sccgov.org</a>
<b>Fire Marshal</b>	Alex Goff	(408) 299-5763	<a href="mailto:alex.goff@sccfd.org">alex.goff@sccfd.org</a>
<b>Environmental Health</b>	Darrin Lee	(408) 573-2464	<a href="mailto:darrin.lee@cep.sccgov.org">darrin.lee@cep.sccgov.org</a>
<b>Building Inspection</b>	Building Inspection Office	(408) 299-5700	

**STANDARD CONDITIONS OF APPROVAL**

**Building Inspection**

1. For detailed information about the requirements for a building permit, obtain a Building Permit Application Instruction handout from the Office of Building Inspection or visit their website ([www.sccbuilding.org](http://www.sccbuilding.org)).

## Planning

2. Development and maintenance of the project site shall take place in accordance with approved plans, received by the Planning Department on June 5, 2023. The project allows the construction of the new covering over the existing Taube South tennis courts and associated site improvements. The plans submitted into Plan Check shall be in substantial conformance with the approved plans. Any changes to the approved project included such as (but not limited to) the design, quantity, location or other modifications to the approved plans are required to be submitted for review by the Planning Office and may result in a Modification to the approved ASA may be subject to additional review under the California Environmental Quality Act (CEQA).
3. File and obtain demolition and building permits for the project.
4. The project shall comply with the Stanford University 2000 General Use Permit Conditions of Approval, and approved Stanford University 2000 GUP Mitigation Monitoring and Reporting Program.
5. Stanford shall be responsible for paying all reasonable costs associated with work by the County Planning Department, or with work conducted under the supervision of the County Planning Office, in conjunction with, or in any way related to the conditions of approval identified in this project. This includes but is not limited to costs for staff time, consultant fees, and direct costs associated with report production and distribution.
6. In the event that previously unidentified historic or prehistoric archaeological resources are discovered during construction, the contractor shall cease work in the immediate area and the County Planning Office and Campus Archaeologist shall be contacted. An independent qualified archaeologist retained by the County at the expense of Stanford shall assess the significance of the find and make mitigation recommendations.
7. If archeological resources are discovered as described above, construction monitoring shall be conducted at any time ground-disturbing activities (greater than 12 inches in depth) are taking place in the immediate vicinity of the identified resources. If monitoring does not produce evidence of significant cultural resources within the project area, further mitigation shall be limited to construction monitoring, unless additional testing or other specific mitigation measures are determined by a qualified archaeologist to be necessary to ensure avoidance of damage to significant archaeological resources. A technical report of findings describing the results of all monitoring shall be prepared in accordance with professional standards. The archaeological monitoring program shall be implemented by an individual meeting the Secretary of Interior Professional Qualifications Standards in Archaeology (36 CFR 61); individual field monitors shall be qualified in the recognition of cultural resources and possess sufficient academic and field training as required to conduct the work effectively and without undue delay.

8. In the event that human skeletal remains are encountered, the applicant is required by County Ordinance No. B6-18 to immediately notify the County Coroner. Upon determination by the County Coroner that the remains are Native American, the coroner shall contact the California Native American Heritage Commission, pursuant to subdivision (c) of section 7050.5 of the Health and Safety Code and the County Coordinator of Indian affairs. No further disturbance of the site may be made except as authorized by the County Coordinator of Indian Affairs in accordance with the provisions of state law and this chapter. If artifacts are found on the site a qualified archaeologist shall be contacted along with the County Planning Office. No further disturbance of the artifacts may be made except as authorized by the County Planning Office.
9. In the event that a fossilized shell or bone is uncovered during any earth-disturbing operation, contractors shall stop work in the immediate area of the find and notify the Campus Archaeologist and the County Building Inspector assigned to the project. The Campus Archaeologist shall visit the site and make recommendations for treatment of the find (including but not limited to consultation with a paleontologist and excavation, if warranted), which would be sent to the County Building Inspection Office and the County Planning Office. If a fossil find is confirmed, it will be recorded with the United States Geological Survey and curated in an appropriate repository.

#### Department of Environmental Health

10. All construction activities shall be in conformance with the Santa Clara County Noise Ordinance Section B11-154 and prohibited between the hours of 7:00 p.m. and 7:00 a.m. on weekdays and Saturdays, or at any time on Sundays for the duration of construction.

### **CONDITIONS OF APPROVAL TO BE COMPLETED PRIOR TO BUILDING PERMIT ISSUANCE**

#### Planning

11. Place a construction note on the site plan that states the following: *“The Bay Area Air Quality Management District (BAAQMD) has identified a set of feasible PM10 control measures for all construction activities. These control measures, as previously required in the Program EIR, shall be adhered to during all construction activities.*
  - A. *Water all active construction areas at least twice daily;*
  - B. *Cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard;*
  - C. *Pave, apply water three times daily, or apply (non-toxic) soil stabilizers on all unpaved access roads, parking areas and staging areas at construction sites;*
  - D. *Sweep daily (with water sweepers) all paved access roads, parking areas and staging areas at construction sites;*
  - E. *Sweep streets daily (with water sweepers) if visible soil material is carried onto adjacent public streets;*

- F. *Hydroseed or apply (non-toxic) soil stabilizers to inactive construction areas (previously graded areas inactive for ten days or more);*
  - G. *Enclose, cover, water twice daily or apply (non-toxic) soil binders to exposed stockpiles (dirt, sand,);*
  - H. *Limit traffic speeds on unpaved roads to 15 mph;*
  - I. *Install fiber rolls, sandbags or other erosion control measures to prevent silt runoff to public roadways;*
  - J. *Replant vegetation in disturbed areas as quickly as possible;*
  - K. *Install wheel washers for all existing trucks, or wash off the tires of tracks of all trucks and equipment leaving the site; and*
  - L. *Suspend excavation and grading activity when winds (instantaneous gusts) exceed 25 mph.”*
12. Place a construction note on the site plan that states the following: *“All construction contractors shall properly maintain the equipment and where feasible, use “clean fuel” equipment and emissions control technology (e.g., CNG fired engines, catalytic converters, particulate traps, etc.). Measures to reduce diesel emission would be considered feasible when they are capable of being used on equipment without interfering substantially with equipment performance.”*
13. Submit a site plan that shows all pedestrian and bicycle corridors along with public transit stops adjacent to the project site and indicate how bicycle, pedestrian, and public transit access and circulation will be maintained during construction. Bicycle and pedestrian access onto the campus and around the site (outside construction areas) shall not be substantially limited by construction activities associated with the project. In addition, access to public transit shall not be limited, which could include the relocation or removal of adjacent bus stops.
14. Final plans shall include the following construction notes:
- A. Stanford shall make feasible attempts to limit the number of construction material deliveries from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. (peak-hours) on weekdays. Construction material delivery shall not result in reduction in on-street parking; reduction in pedestrian, bicycle, and public transit access; use of non-truck routes by construction traffic; damage to roadways; and interference with special events (This construction note shall be included in the Final permit plans). Stanford shall provide estimated total construction material deliveries, as well as estimated material deliveries, between these peak-hours as part of the Construction Logistics and Management Plan, and provide notice to residents and interested parties for deliveries during peak hours.
  - B. Trucks exporting/importing dirt and building materials for the project shall use approved truck routes shown in the 2000 GUP, as designated by the cities of Palo Alto and Menlo Park.

15. Submit a Construction Management and Logistics Plan for approval by Planning and Land Development Engineering, **prior to issuance of any building permits**, that clearly identifies the elements listed below:
- A. Provide the location, anticipated quantities and time frame for construction staging and earthwork stockpiling associated with this project. Said location is required to be approved by Planning and Land Development Engineering.
  - B. Provide off-street construction related parking. Identify off-street parking location(s) on site plan for all construction related vehicles (employee parking and construction equipment) throughout the construction period. If adequate parking cannot be provided on the construction sites, identify on the site plan or vicinity map the satellite parking location(s) that will be used.
  - C. Prohibit impacts to accessing public transit access and movement of public transit vehicles. Identify on site plan all temporary or permanent access limitations, re-routes, lane closures, or limits to public transit movements or place a note on the site plan stating “No temporary or permanent access limitations, re-routes, lane closures, or limits to public transit movement are permitted.”
  - D. Prohibit roadway construction activities from reducing roadway capacity during Stanford major athletic and special events. Stanford shall not limit roadway capacity during special events or during major athletic events, which attract a large number of visitors to the campus.
  - E. Provide written notification to Stanford Police and Palo Alto Fire Department regarding construction location and construction dates. Include in the notices alternate evacuation and emergency route designations to maintain response times during construction periods, if applicable. Provide one copy of the notices to the County.
  - F. Provide written notification to all contractors and subcontractors regarding appropriate routes and weight limits and speed limits for local roads used to access construction sites. Provide one copy of the notices to the County Planning Office.
  - G. Provide notification to the Cities of Palo Alto and Menlo Park of the construction schedule and include a copy of the Santa Clara County approved Construction and Traffic Management Plan. Provide one copy of the notices to the County Planning Office.
16. The following tree removal/protection requirements shall apply:
- A. No tree with a trunk size of 12 inches in diameter at 4.5 feet above grade is authorized for removal with this project (refer to approved plan page L-1.01).
  - B. All trees in the project area shall remain and are protected after the approval of this Architecture and Site Approval, per plan page L-1.01.
  - C. If any trees are proposed to be removed after the approval of the ASA, further review by the Planning Office may be required to assess the visual impact of the tree removal on the project and surrounding area.
  - D. Final plans shall show the size and species of all trees over 12 inches in diameter (at 4.5 feet above grade) within the proposed work area for the project and clearly label all trees proposed for removal. This shall include all trees where construction will occur within the dripline of the tree.

- E. An I.S.A.-certified arborist shall review final plans. The objective shall be to ensure that all the trees adjacent to the improvements will not be damaged or removed.
  - F. A certified arborist shall monitor the construction and provide written recommendations to preserve any potentially impacted trees associated with the proposed improvements. Submit a plan-review letter **prior to the issuance of the final Building permit** evaluating consistency of final plans with these mitigations and a construction-observation **letter prior to the issuance of final occupancy** summarizing implementation of these mitigation measures.
    - i. Provide an arborist report that recommends effective tree protection measures for the site's existing trees that have not been slated for removal. Protection measures must be in place prior to construction activity commencing.
17. Adequate signs shall be posted along the street frontages or in front of the project site, no smaller than 1,296 square inches in size, containing the name, telephone number, and email address of the appropriate Stanford person the public may contact to register a complaint about construction noise. Additionally, Stanford shall create an outreach and information portal to facilitate information and alerts to be delivered to the immediate neighborhoods on construction activities. Stanford shall keep a written record of all such complaints and shall provide copies of these records to the County Planning Office.
18. Preconstruction surveys for nesting raptors and migratory birds shall be conducted by a qualified ornithologist to identify active nests that may be disturbed during project implementation. Between January 1 and April 30, preconstruction surveys shall be conducted no more than 14 days **prior to the initiation of construction activities or tree removal**. Between May 1 and August 31, preconstruction surveys no more than 30 days **prior to the initiation of these activities**. Stanford University shall conduct an additional preconstruction survey within 24 hours of initiation of construction activities, by the Campus Biologist, to verify no new nesting has occurred. If an active nest is found near, or in close proximity to, the construction area where the nest could be disturbed by these activities, the ornithologist or Campus Biologist, shall, in consultation with the California Department of Fish and Game, designate a construction-free buffer zone (typically 250 feet) around the nest.
19. Landscape Plan: The requirements of Division B33 of the County Ordinance Code (Sustainable Landscape Ordinance) shall apply. As proposed, if the total landscape area exceeds 2,500 sq. ft., a landscape documentation package shall be included in the plan set submitted for development permits (building permits) **prior to building permit issuance** for review and approval by the Development of Planning and Development. New landscaping shall be similar to existing landscaping on-site and meet all Stanford Community Plan and General Use Permit requirements. The submittal shall include a landscaping plan and irrigation plan, stamped and signed by a licensed landscape architect. Submit two (2) copies of the final landscape plan and associated irrigation systems, prepared and stamped by a licensed landscape architect.



The landscape ordinance and supporting information can be found on the Planning Department web site: <https://plandev.sccgov.org/landscape-ordinance>

20. Incorporate any applicable water conservation and recycling measures into the project building plans, which may include but not be limited to: water efficient landscape, landscape water management, and public outreach.

#### Land Development Engineering

21. Survey monuments shall be shown on the improvement plan to provide sufficient information to locate the proposed improvements and the property lines. Existing monuments must be exposed, verified and noted on the grading plans. Where existing monuments are below grade, they shall be field verified by the surveyor and the grade shall be restored and a temporary stake shall be placed identifying the location of the found monument. If existing survey monuments are not found, temporary staking delineating the property line may be placed prior to construction and new monuments shall be set prior to final acceptance of the improvements. The permanent survey monuments shall be set pursuant to the State Land Surveyor's Act. The Land Surveyor / Engineer in charge of the boundary survey shall file appropriate records pursuant to Business and Professions Code Section 8762 or 8771 of the Land Surveyors Act with the County Surveyor.
22. The improvement plans shall include an Erosion and Sediment Control Plan that outlines seasonally appropriate erosion and sediment controls during the construction period). Include the County's Standard Best Management Practice Plan Sheets BMP-1 and BMP-2 with the Plan Set.
23. All new on-site utilities, mains and services shall be placed underground and extended to serve the proposed development. All extensions shall be included in the improvement plans. Off-site work should be coordinated with any other undergrounding to serve other properties in the immediate area.
24. In the building plans, include a stormwater management plan that details how the project complies with Provision C.3 of the current NPDES Municipal Regional Permit (MRP). Include C.3 sizing calculations to support the information provided in the stormwater management plan.
25. Submit an updated Credit/Usage Capacity Tracking Sheet for the Stanford University East Campus C.3 Regional Stormwater Capture Facility.

#### Fire Marshal's Office

Note- This review was for Land Use only. A more detailed review will be conducted at Building Permit submittal to include Fire Life Safety.

#### Fire Protection Water

Important: Fire protection water system shall be installed, functioning and inspected prior to approval of the foundation. System shall be maintained in good working order and accessible

throughout construction. A stop work order may be placed on the project if the required hydrant systems are not installed, accessible, and/or functioning.

26. Fire-Flow: The minimum fire-flow to be 2,125 Gallons Per Minute (gpm) at 20 psi per Appendix B of the California Fire Code (CFC). Final flow will be based on the size of the structure and the construction type at Building Permit.

- A. At the time of plan submittal for building permit, provide written verification from the water company that this condition can be satisfied. The hydrant flow data is to be recorded within 1 year.
- B. Standard fire hydrant is to be located within 400 feet (ft.) exterior path of travel to all portions of structure.

#### Fire Department Access

27. General Requirements:

- A. These are minimum Fire Marshal standards. Should these standards conflict with any other local, state or federal requirement, the most restrictive shall apply.
- B. All required access roads, driveways, turnarounds, and turnouts shall be installed, and serviceable prior to approval of the foundation, and shall be maintained throughout construction. A stop work order may be placed on the project if required driving surfaces are not installed, accessible, and/or maintained at all times.

28. Fire Department Access shall comply with the following:

- A. Width: Access Roads to have a clear drivable width of 20 ft.
- B. Vertical Clearance: Minimum vertical clearance of 13 ft. 6 in shall be maintained to building site (trim or remove, tree limbs, electrical wires, structures, and similar improvements) for access roads and driveways.
- C. Curve Radius: Plans to show minimum 30 ft. inside turn radius for curves and 50 ft. exterior turn radius.
- D. Grade: Maximum grade shall not exceed 15%.
- E. Surface: All driving surfaces shall be all-weather and capable of sustaining 75,000 pounds gross vehicle weight.
- F. Address: Numbered address to be easily recognizable from the street.

29. Maintenance: Fire protection water systems and equipment shall be accessible and maintained in operable condition at all times and shall be replaced or repaired where defective. Fire protection water shall be made available to the fire department.

Fire department access shall be maintained free, clear, and accessible at all times for fire department use.

### **CONDITIONS OF APPROVAL TO BE COMPLETED PRIOR TO OCCUPANCY OR FINAL INSPECTION**

#### Planning

30. All stockpiled materials shall be removed from the site and disposed of at an approved location.
31. Following completion of construction, contact the Planning Department (Lulu Pang at 408-299-5718) **at least two weeks in advance** to set up an appointment to schedule a site visit to verify the development as per approved plans and as conditioned by this approval.

#### Land Development Engineering

32. The project proposes use of expanded capacity from the East Campus Stormwater Capture Facility (County File No. 11044-17C3) to satisfy MRP requirements. The permit (DEV23-0612) to expand the facility's capacity is in the process of being reviewed/approved. Prior to final sign-off, the facility expansion shall be completed and on-line (i.e., the permit for DEV23-0612 shall have been issued and obtained final sign-off).
33. Existing and set permanent survey monuments shall be verified by inspectors prior to final acceptance of the improvements by the County. Any permanent survey monuments damaged or missing shall be reset by a licensed land surveyor or registered civil engineer authorized to practice land surveying and they shall file appropriate records pursuant to Business and Professions Code Section 8762 or 8771 of the Land Surveyors Act with the County Surveyor.
34. If there have been any changes to the stormwater management plan (e.g., a change in new/replacement impervious area, change in credit/capacity usage, etc.), submit an updated Credit/Usage Capacity Tracking Sheet with an as-built of the Stormwater Management Plan.

#### Fire Marshal's Office

35. Fire Sprinkler System: An approved NFPA 13 fire sprinkler system shall be installed throughout the structure.

NOTE: The fire sprinkler system shall be installed and finalized by this office **prior to occupancy**. A separate permit shall be obtained from this office by a state licensed C-16 contractor **prior to installation**. Please allow for a minimum of 30 days for plan review of fire sprinkler plans by this office.

## **ATTACHMENT C**

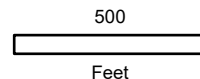
Location and Vicinity Map



## Location and Vicinity Map

Record No. PLN23-050  
 APN 142-04-036  
 638 Campus Drive, Stanford  
 Taube South Tennis Courts

- - - Stanford DAPER Development
- - - District Boundary



# **ATTACHMENT D**

Proposed Project Plans

ASA RESUBMITTAL SET

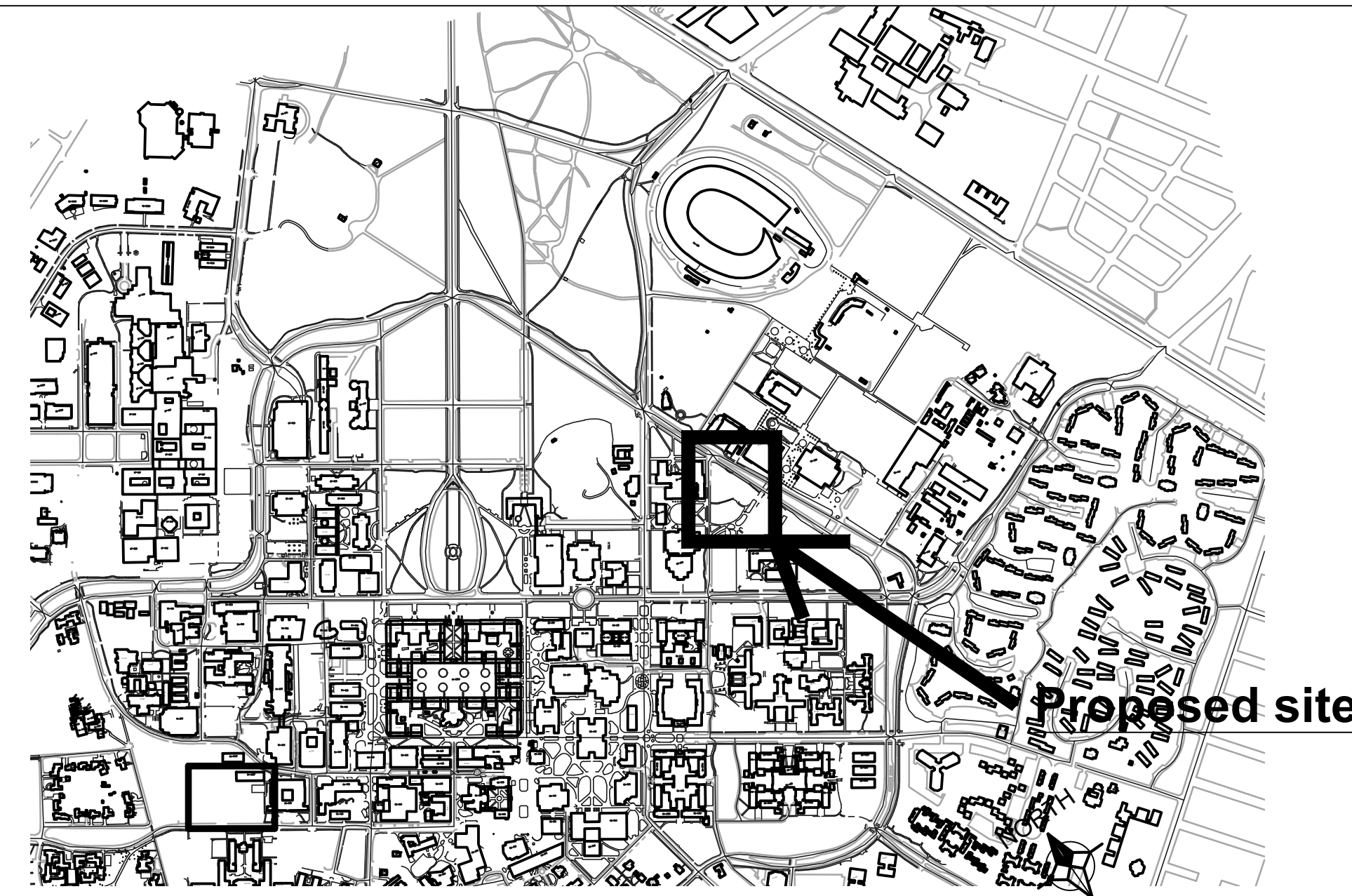
# STANFORD UNIVERSITY TAUBE SOUTH COVERED TENNIS COURTS

PROJECT 5674

638 CAMPUS DRIVE

Stanford , California

DRAWING STATUS: ASA RESUBMITTAL SET  
 SUBMITTAL DATE: 05/31/2023  
 APPROVAL DATE:  
 ASA COMPLIANCE RE-SUBMITTAL  
 PERMIT APPLICATION  
 CONSTRUCTION PERMIT  
 RECORD DRAWINGS



**VICINITY MAP**

- DEFERRED SUBMITTALS
1. FIRE SPINKLERS
  2. FIRE ALARM SYSTEM & FA CONTROL PANEL ALARMS SHALL HAVE VOICE ACTIVATION PER CBC 907.5.2.2.

**DRAWING INDEX**

- PL0.0 TITLE SHEET
- PL1.2 GUP INFORMATION MAP

- A1-0 COVERED TENNIS COURTS DEMO SITE PLAN
- A1-1 COVERED TENNIS COURTS PROPOSED SITE PLAN
- A1-2 COVERED TENNIS COURTS PROPOSED PLAN & RCP
- A3-1 COVERED TENNIS COURTS CONTEXT ELEVATIONS
- A3-2 COVERED TENNIS COURTS ELEVATIONS
- A3-3 COVERED TENNIS COURTS ELEVATIONS
- A3-4 COVERED TENNIS COURTS BUILDING ELEVATIONS
- A3-5 COVERED TENNIS COURTS BUILDING ELEVATIONS
- A3-6 COVERED TENNIS COURTS SECTIONS
- A4-1 COVERED TENNIS COURTS RENDERINGS
- A4-2 COVERED TENNIS COURTS RENDERINGS

- C-1.0 COVER SHEET
- C-1.1 COUNTY CONSTRUCTION NOTES
- C-1.2 FIRE SAFETY NOTES
- C-2.0 TOPOGRAPHIC SURVEY
- C-3.0 DEMOLITION/TREE REMOVAL PLAN
- C-3.1 DEMOLITION/TREE REMOVAL NOTES
- C-4.0 GRADING AND DRAINAGE PLAN
- C-5.0 UTILITY PLAN
- C-6.0 STORMWATER MANAGEMENT PLAN
- C-7.0 EROSION CONTROL PLAN
- C-7.1 COUNTY BMP NOTES
- C-7.2 COUNTY BMP NOTES
- C-8.0 CONSTRUCTION SITE LOGISTICS/ SAFETY PLAN
- C-9.0 FIRE ACCESS PLAN

- L-1.01 LANDSCAPE PLAN

**SITE DATA INFORMATION**

**GENERAL**

APN: 142-04-036  
 PARCEL SIZE: 580.15 AC  
 DEVELOPMENT DISTRICT: DAPER AND ADMINISTRATIVE  
 BUILDING/QUAD: 08-025  
 LAND USE DESIGNATION: ACADEMIC CAMPUS  
 SITE AREA: 49,063 SF

**PERCENTAGE OF SITE AREA:**

LANDSCAPE: 2 %  
 CONCRETE PAVING: 98 %

**CBC BUILDING TYPE:**

II-B

NUMBER OF NET  
 NEW PARKING SPACES: NONE

ESTIMATED CUT AND FILL:  
 CUT: 0 CUBIC YARDS  
 FILL: 0 CUBIC YARDS

**PROJECT DESCRIPTION:**

**CONSTRUCTION OF NEW COVERING OVER EXISTING TENNIS COURTS AND ASSOCIATED SITE IMPROVEMENTS. NO EXTERIOR LIGHTING IS PROPOSED ON THIS PROJECT. INTERIOR LIGHTING UNDER THE ROOF AND WITHIN THE FACADE WILL BE INCLUDED IN THE PROJECT.**

PROJECT MANAGER:  
 Mark Bonino  
 340 Bonair Siding Road  
 Stanford, CA 94304  
 mbonino@stanford.edu

REVISION

DEPARTMENT OF PROJECT MANAGEMENT  
 340 Bonair Siding Road  
 Stanford, CA 94304  
 TELEPHONE (650) 723-0022 FAX (650) 723-7444

TITLE SHEET

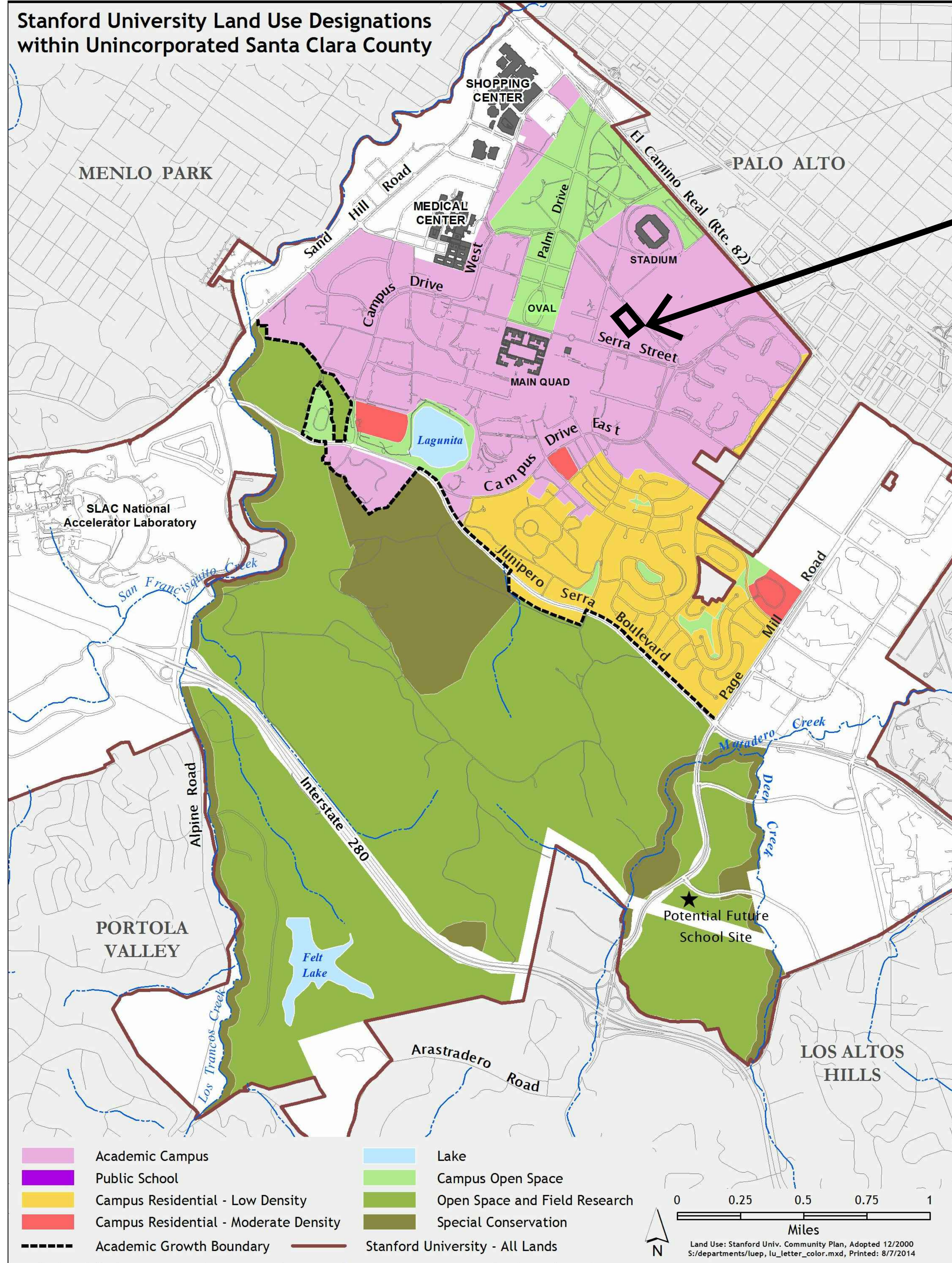
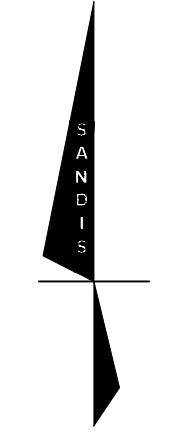
STANFORD UNIVERSITY  
 TAUBE SOUTH COVERED  
 TENNIS COURTS

DATE: 05-31-23

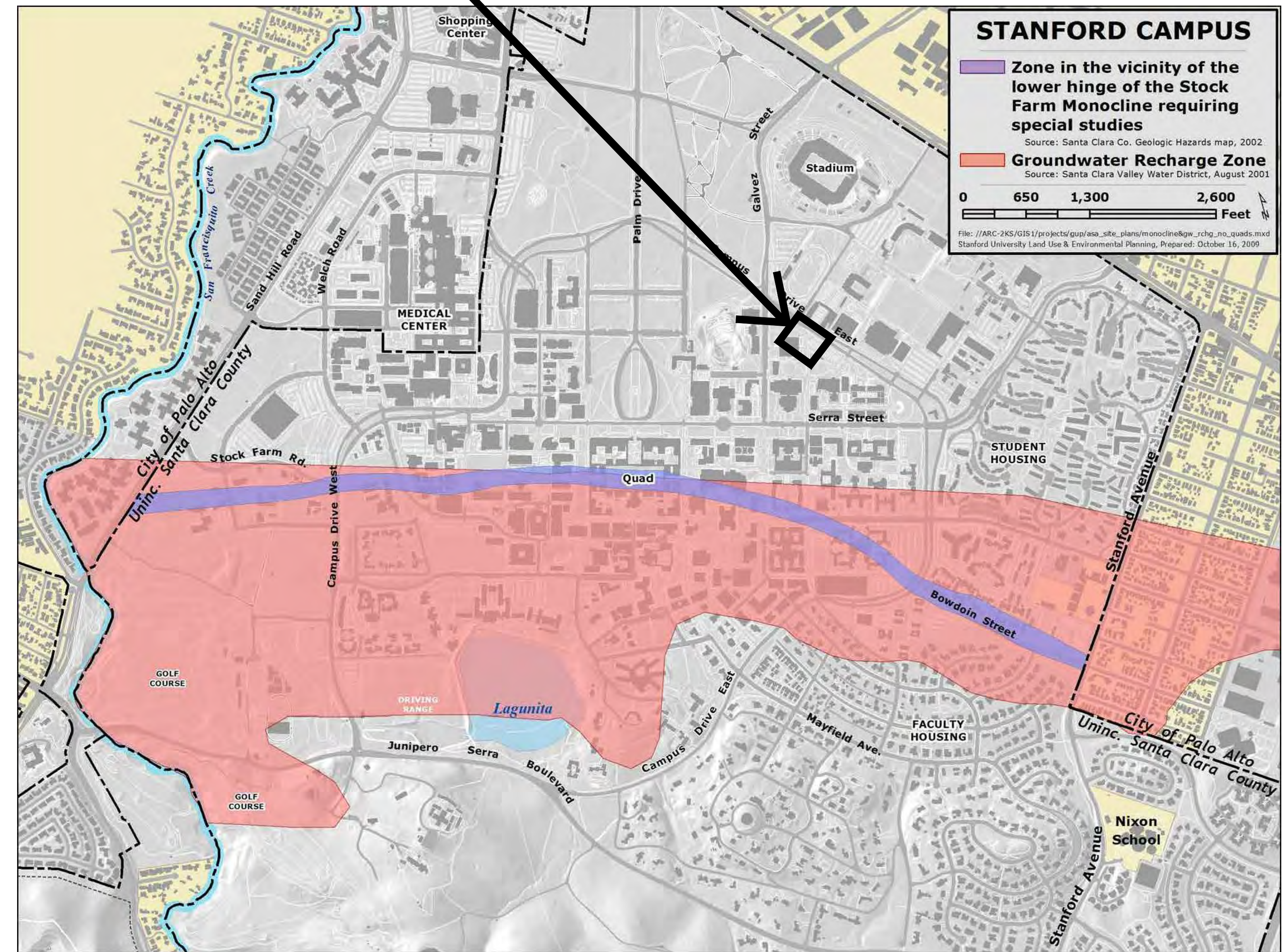
SCALE: N/A

PL0.0

GUP INFORMATION MAP



PROPOSED SITE



REVISION

DEPARTMENT OF PROJECT MANAGEMENT  
340 Bonair Siding Road  
Stanford, CA 94304  
TELEPHONE (650) 723-0022 FAX (650) 723-7444

GUP INFORMATION  
MAP

STANFORD UNIVERSITY  
TAUBE SOUTH COVERED  
TENNIS COURTS

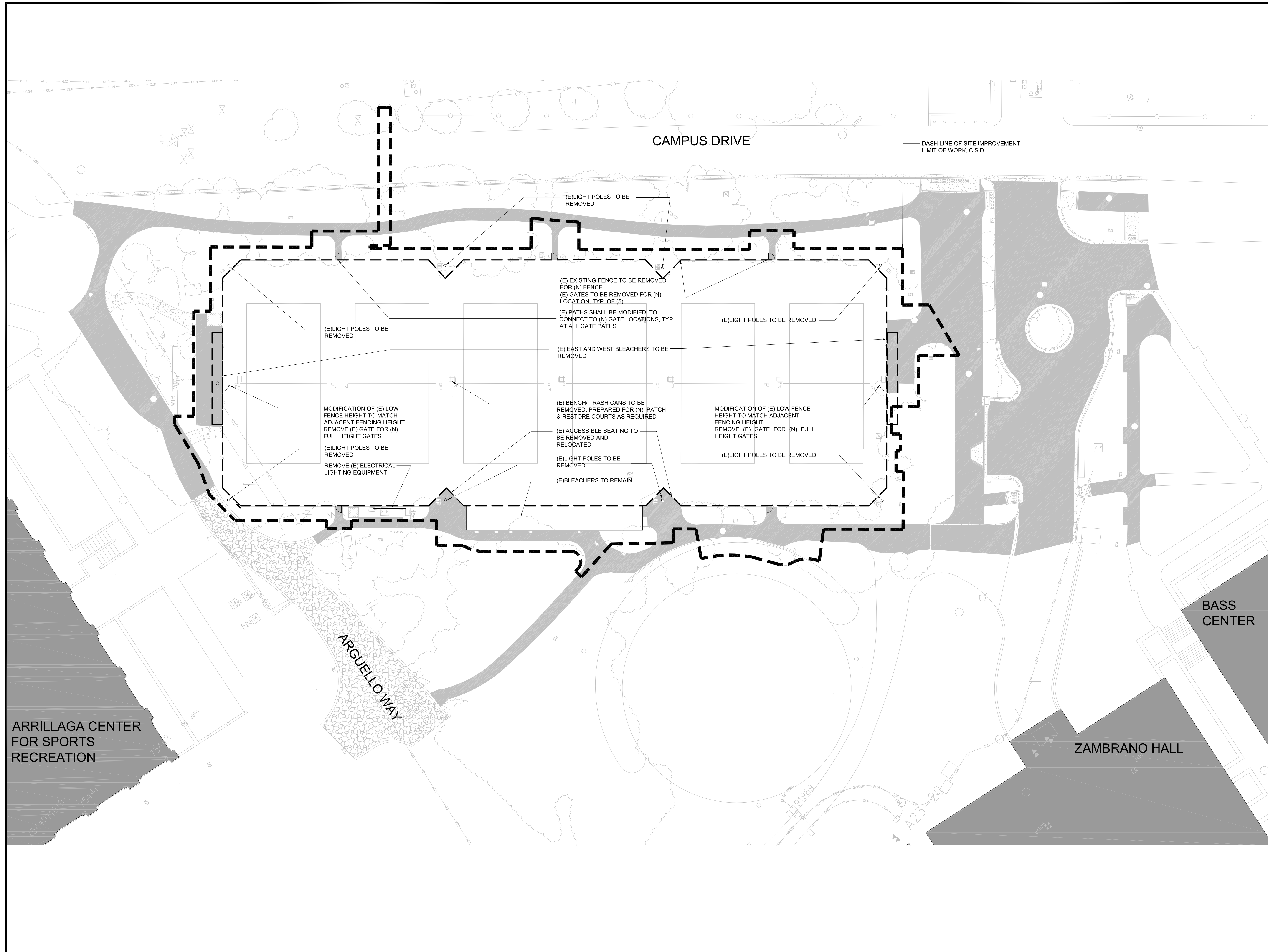
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PL12

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Project Name: Covered Tennis Courts  
Project Address: 638 Campus Drive,  
Stanford CA, 94305  
Quad/ Bldg. Number: 08-025

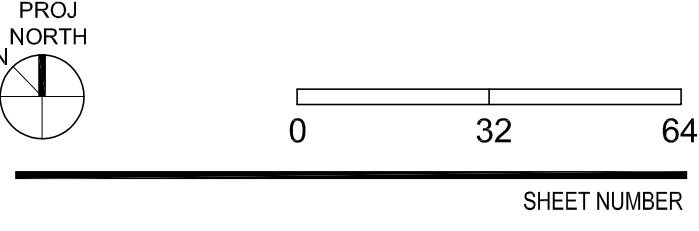


ISSUES AND REVISIONS	
NO.	DESCRIPTION
03.01.2023	ASA SET
05.31.2023	ASA RESUBMITTAL 1

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
DEMO SITE PLAN**

SCALE  
1/32" = 1'-0"



A1-0

**EGRESS CALCULATION**  
 # OF EXITS (E-OCCUPANCY):  
 39,000 SF TOTAL / 50 GROSS = 780 OCC.  
 780 X 0.15 = 117"  
 3 EXITS REQUIRED, 6 EXITS PROVIDED AT 32" = 192"

**STANFORD UNIVERSITY**

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



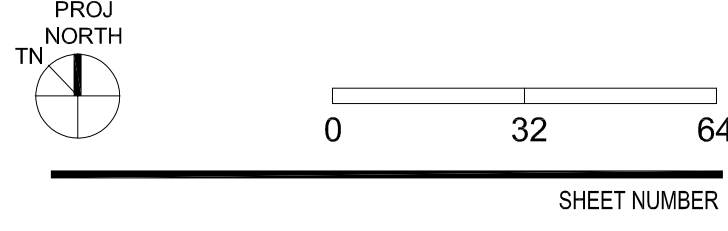
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05.31.2023	ASA RESUBMITTAL 1	

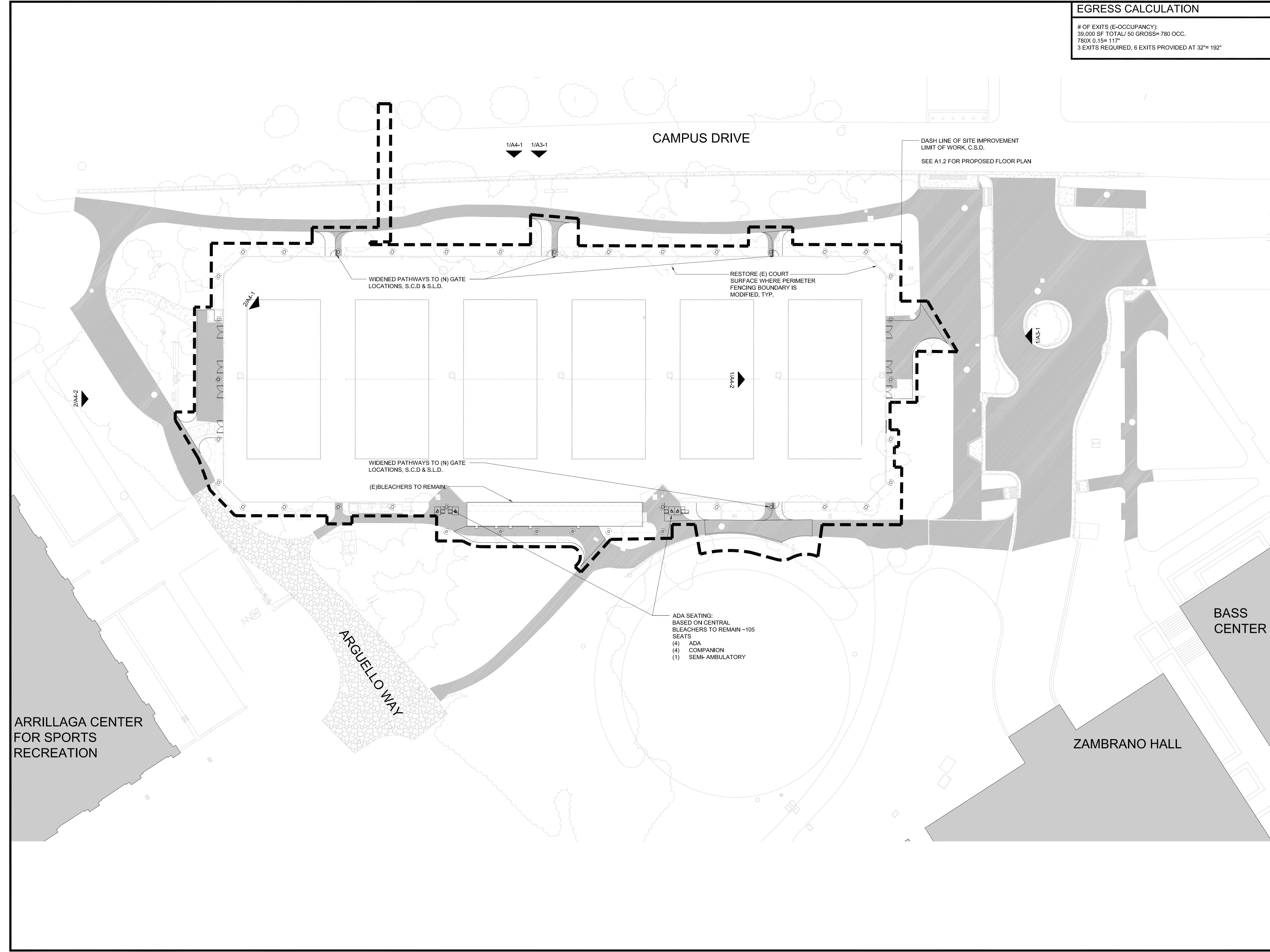
PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
PROPOSED SITE PLAN**

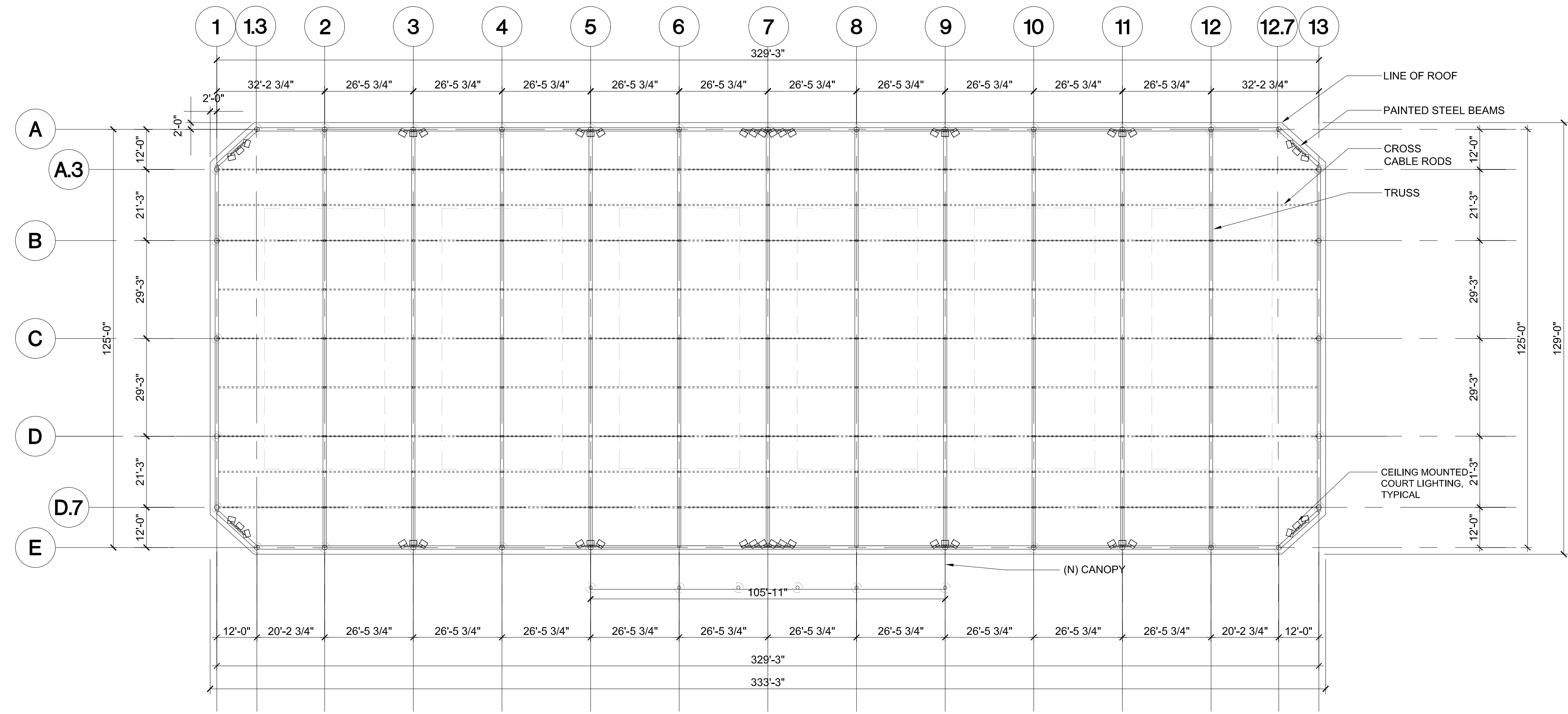
SCALE  
1/32" = 1'-0"



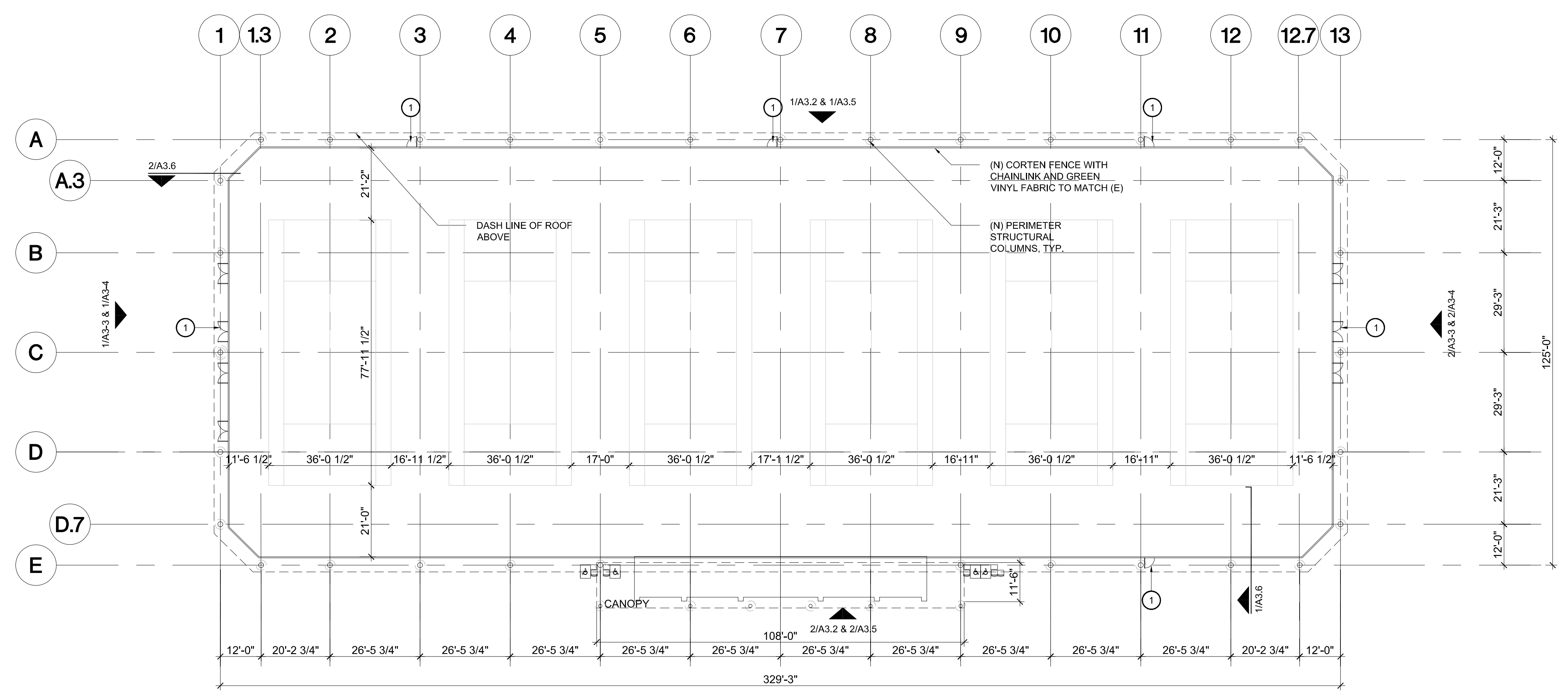
**A1-1**



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**2 REFLECTED CEILING PLAN**  
 3/64" = 1'-0"



**1 PROPOSED FLOOR PLAN**  
 3/64" = 1'-0"

**LEGEND**

① OPEN AIR GATE  
 FREE TO EXIT IN DIRECTION OF EGRESS

ISSUES AND REVISIONS

NO.	DATE	DESCRIPTION
03.01.2023	ASA SET	
05.31.2023	ASA RESUBMITTAL 1	

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
 PROPOSED FLOOR PLAN & RCP**

SCALE  
3/64" = 1'-0"

PROJ NORTH

SHEET NUMBER

**A1-2**

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025

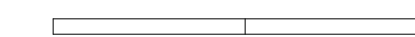


ISSUES AND REVISIONS	
NO.	DESCRIPTION
03.01.2023	ASA SET
05.31.2023	ASA RESUBMITTAL 1

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
 CONTEXT ELEVATIONS**

SCALE  
 AS NOTED



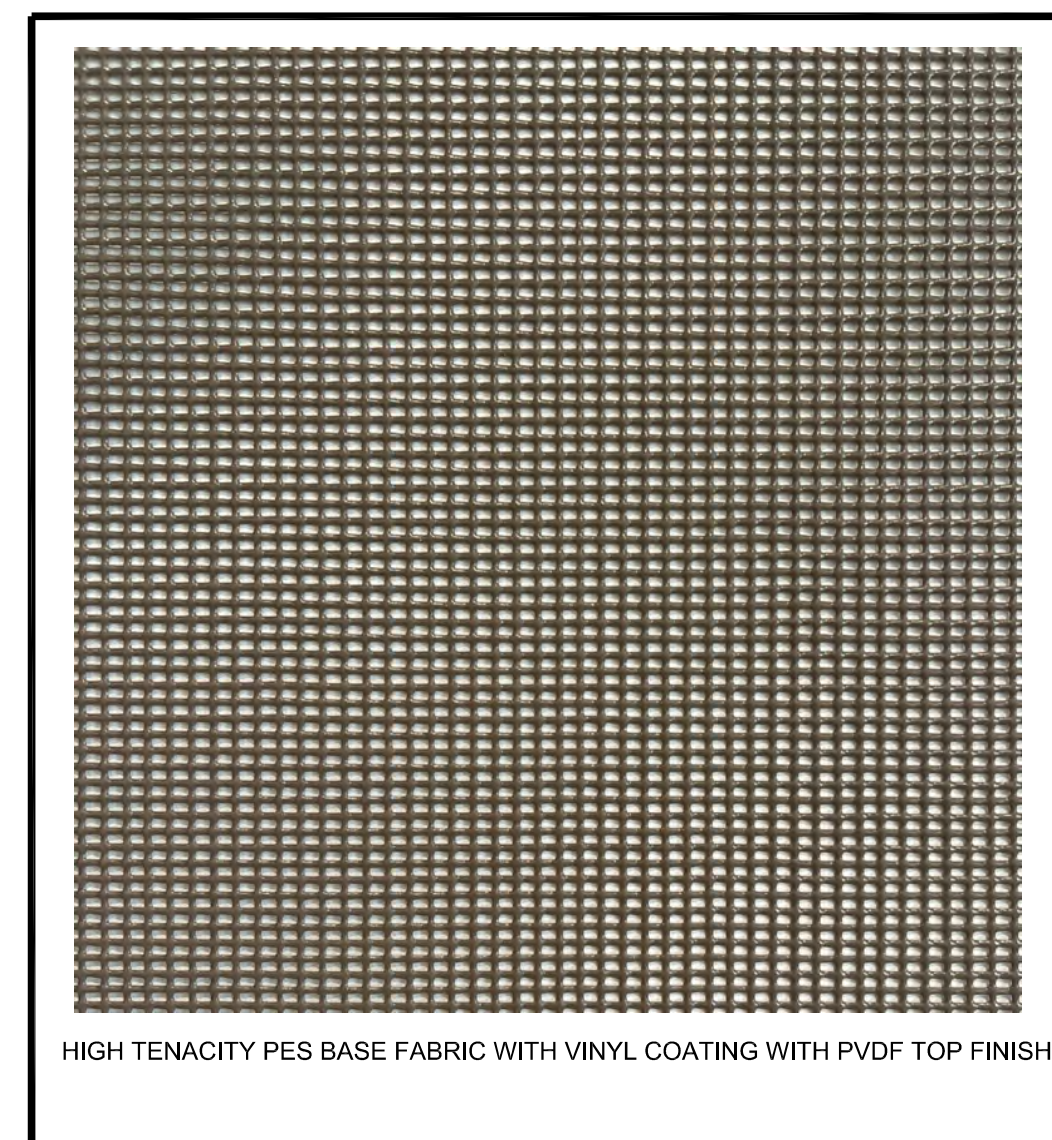
SHEET NUMBER

**A3-1**

**ELEVATION LEGEND**

- MESH SCREEN  
COLOR 'A', BROWN
- COLOR 'B', GRAY
- COLOR 'C', BROWN
- COLOR 'D', DARK GREEN
- COLOR 'E', LIGHT BEIGE

**3** ELEVATION LEGEND



HIGH TENACITY PES BASE FABRIC WITH VINYL COATING WITH PVDF TOP FINISH

**4** MESH SCREEN SAMPLE



**2** CONTEXT ELEVATION (CAMPUS DRIVE)  
1/32"=1'-0"



**1** CONTEXT ELEVATION (KNIGHT MANAGEMENT CENTER)  
1/32"=1'-0"

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



**2** SOUTH ELEVATION (VIEW FROM ARRILLAGA HALL)  
 1/16"=1'-0"

ISSUES AND REVISIONS	
NO.	DESCRIPTION
03.01.2023	ASA SET
05.31.2023	ASA RESUBMITTAL 1



**1** NORTH ELEVATION (VIEW FROM CAMPUS DRIVE)  
 1/16"=1'-0"

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
ELEVATIONS**

SCALE  
AS NOTED

PROJ NORTH  
TN

SHEET NUMBER

A3-2

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



**2** WEST ELEVATION (VIEW FROM ARRILAGA CENTER FOR SPORTS AND RECREATION)  
 1/16"=1'-0"

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.01.2023	ASA SET
	05.31.2023	ASA RESUBMITTAL 1



**1** EAST ELEVATION (VIEW FROM KNIGHT MANAGEMENT CENTER)  
 1/16"=1'-0"

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
ELEVATIONS**

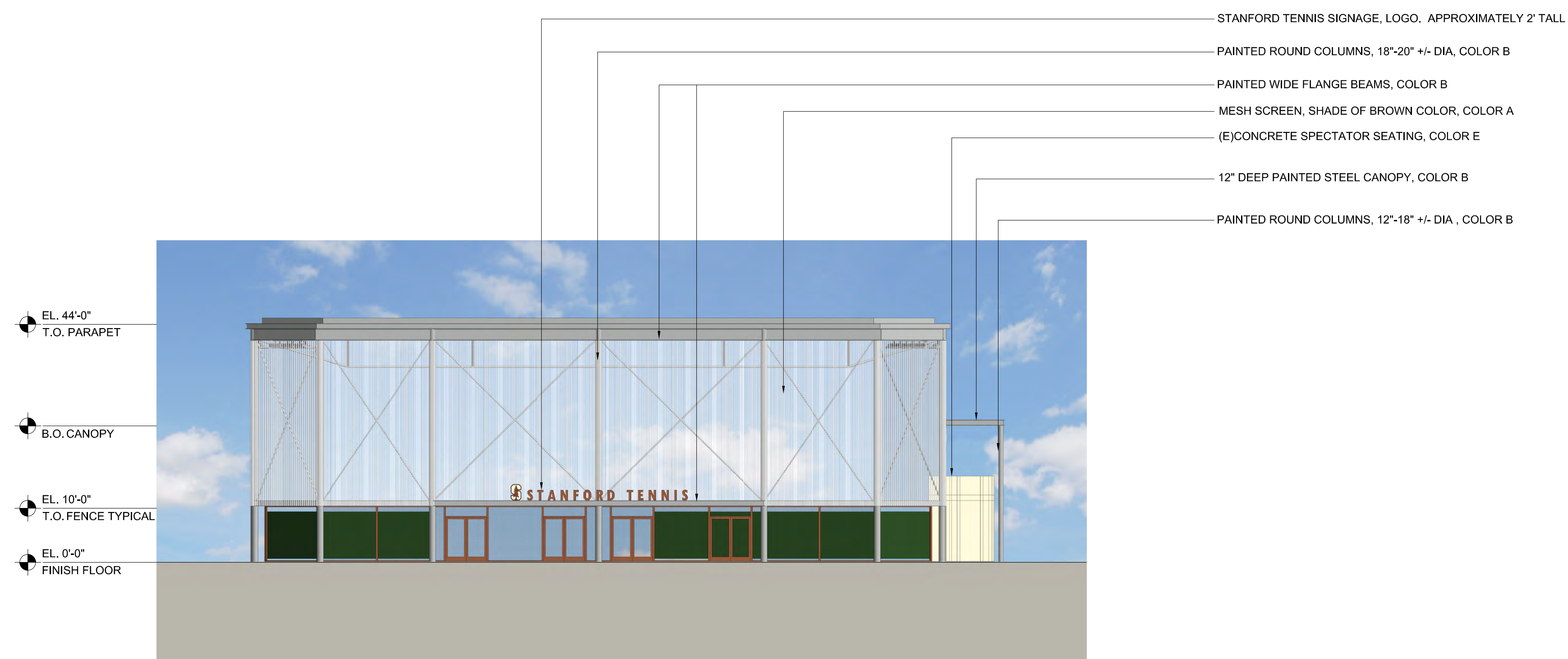
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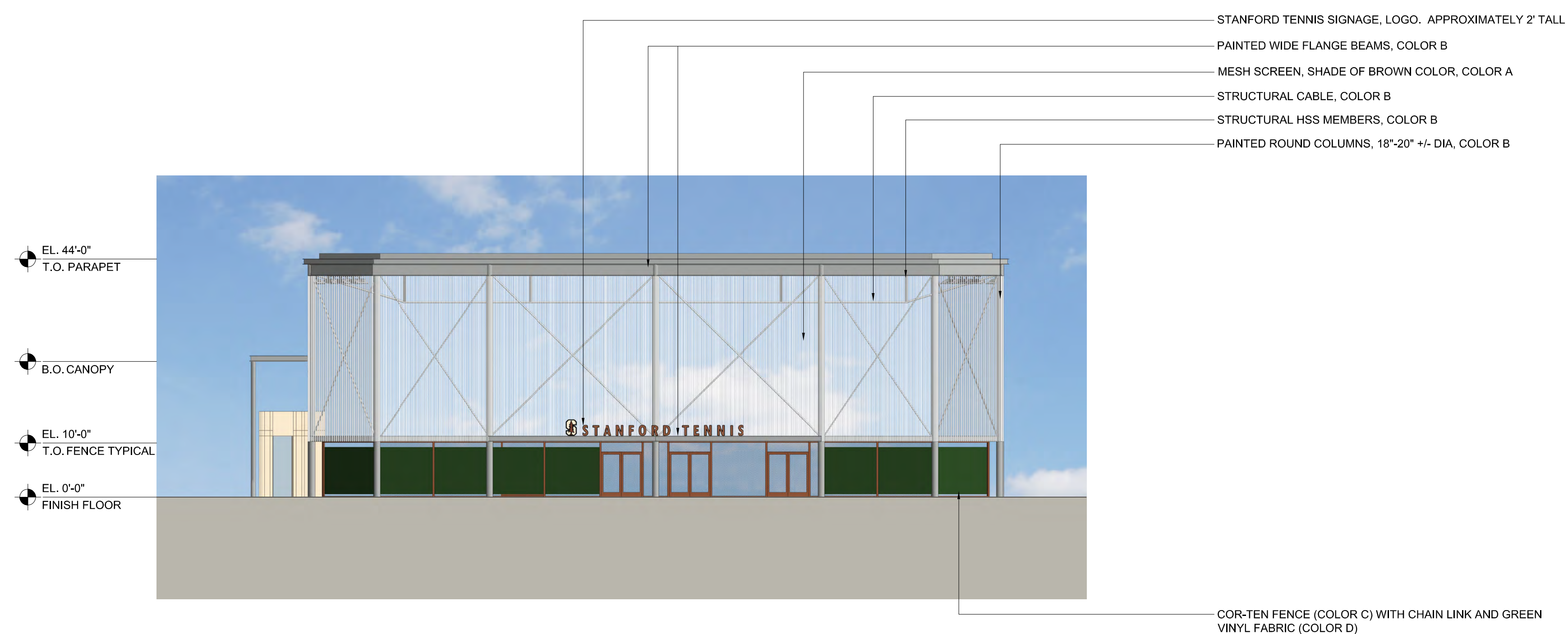
SHEET NUMBER

**A3-3**

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



**2** WEST ELEVATION (VIEW FROM ARRILLAGA CENTER FOR SPORTS AND RECREATION)  
 1/16"=1'-0"



**1** EAST ELEVATION (VIEW FROM KNIGHT MANAGEMENT CENTER)  
 1/16"=1'-0"

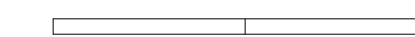
ISSUES AND REVISIONS

NO.	DATE	DESCRIPTION
03.01.2023	ASA SET	
05.31.2023	ASA RESUBMITTAL 1	

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
 BUILDING ELEVATIONS**

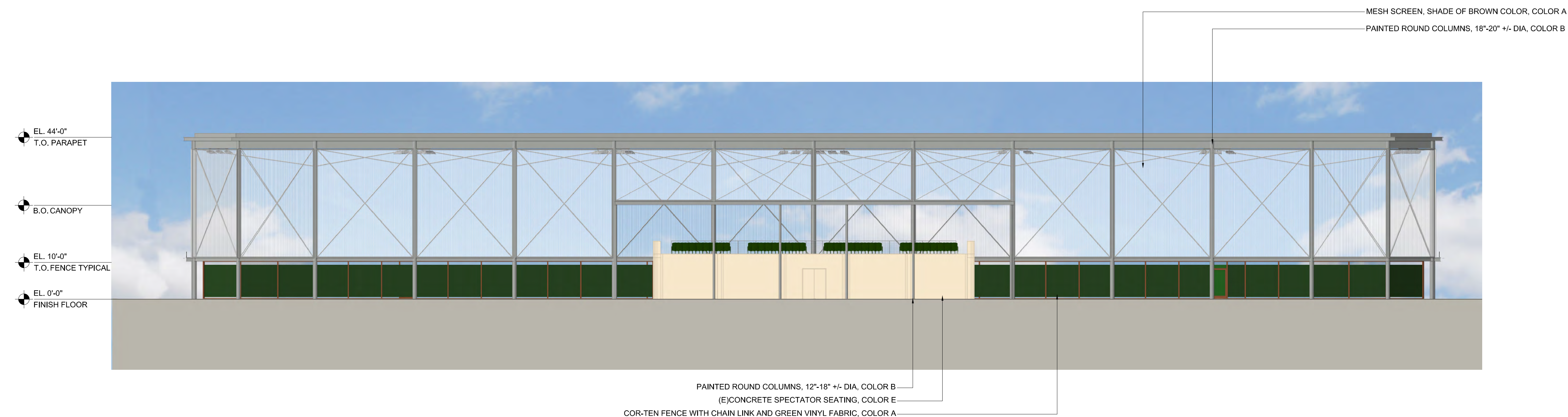
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SHEET NUMBER

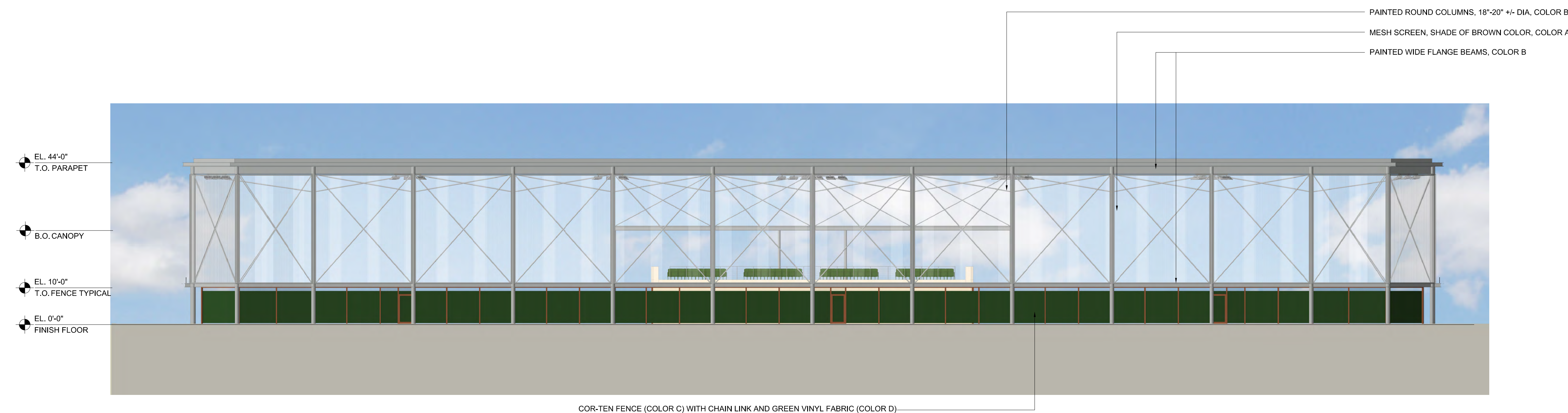
**A3-4**

Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



**2** SOUTH ELEVATION (VIEW FROM ARRILAGA HALL)  
 1/16"=1'-0"

ISSUES AND REVISIONS	
NO.	DESCRIPTION
03.01.2023	ASA SET
05.31.2023	ASA RESUBMITTAL 1



**1** NORTH ELEVATION (VIEW FROM CAMPUS DRIVE)  
 1/16"=1'-0"

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
 BUILDING ELEVATIONS**

SCALE  
AS NOTED



SHEET NUMBER

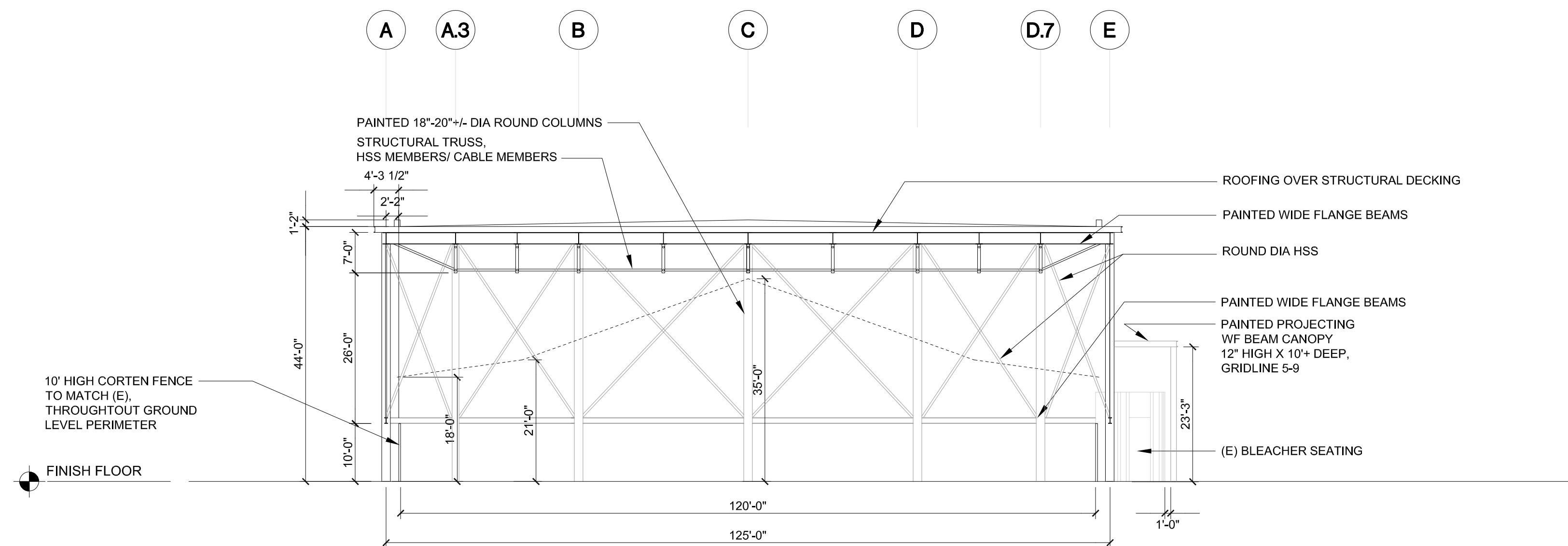
**A3-5**



Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



ARCHITECTS  
 KORTH SUNSERI HAGEY



2 | SHORT SECTION  
 1/16"=1'-0"

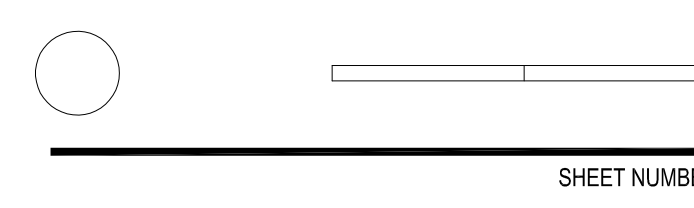
ISSUES AND REVISIONS

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05.31.2023	ASA RESUBMITTAL 1	

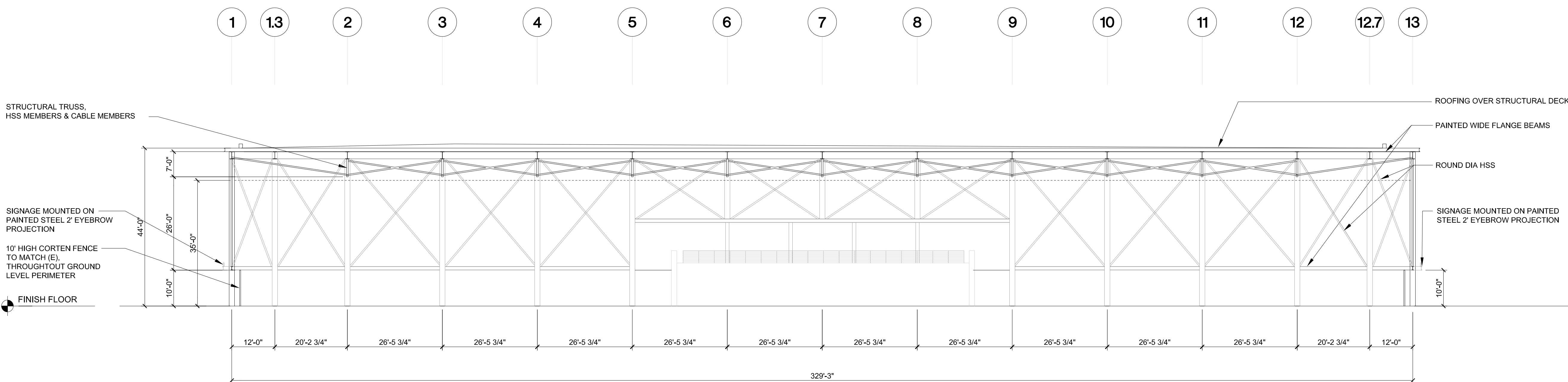
PROJECT NUMBER  
 22020

SHEET TITLE  
 COVERED TENNIS COURTS  
 SECTIONS

SCALE  
 AS NOTED



SHEET NUMBER



1 | LONG SECTION  
 1/16"=1'-0"

Project Name: Covered Tennis Courts  
Project Address: 638 Campus Drive,  
Stanford CA, 94305  
Quad/ Bldg. Number: 08-025



2 | INTERIOR VIEW FROM EAST COVERED TENNIS COURTS

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.01.2023	ASA SET
	05.31.2023	ASA RESUBMITTAL 1



1 | VIEW FROM CAMPUS DRIVE

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS COURTS  
RENDERINGS**

SCALE  
AS NOTED



SHEET NUMBER

A4-1

Project Name: Covered Tennis Courts  
Project Address: 638 Campus Drive,  
Stanford CA, 94305  
Quad/ Bldg. Number: 08-025



2 | VIEW FROM ARRILLAGA CENTER FOR SPORTS AND RECREATION

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.01.2023	ASA SET
	05.31.2023	ASA RESUBMITTAL 1

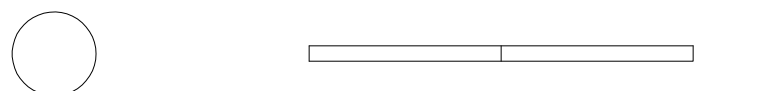


1 | INTERIOR VIEW OF WEST

PROJECT NUMBER  
22020

SHEET TITLE  
**COVERED TENNIS  
RENDERINGS**

SCALE  
AS NOTED



SHEET NUMBER

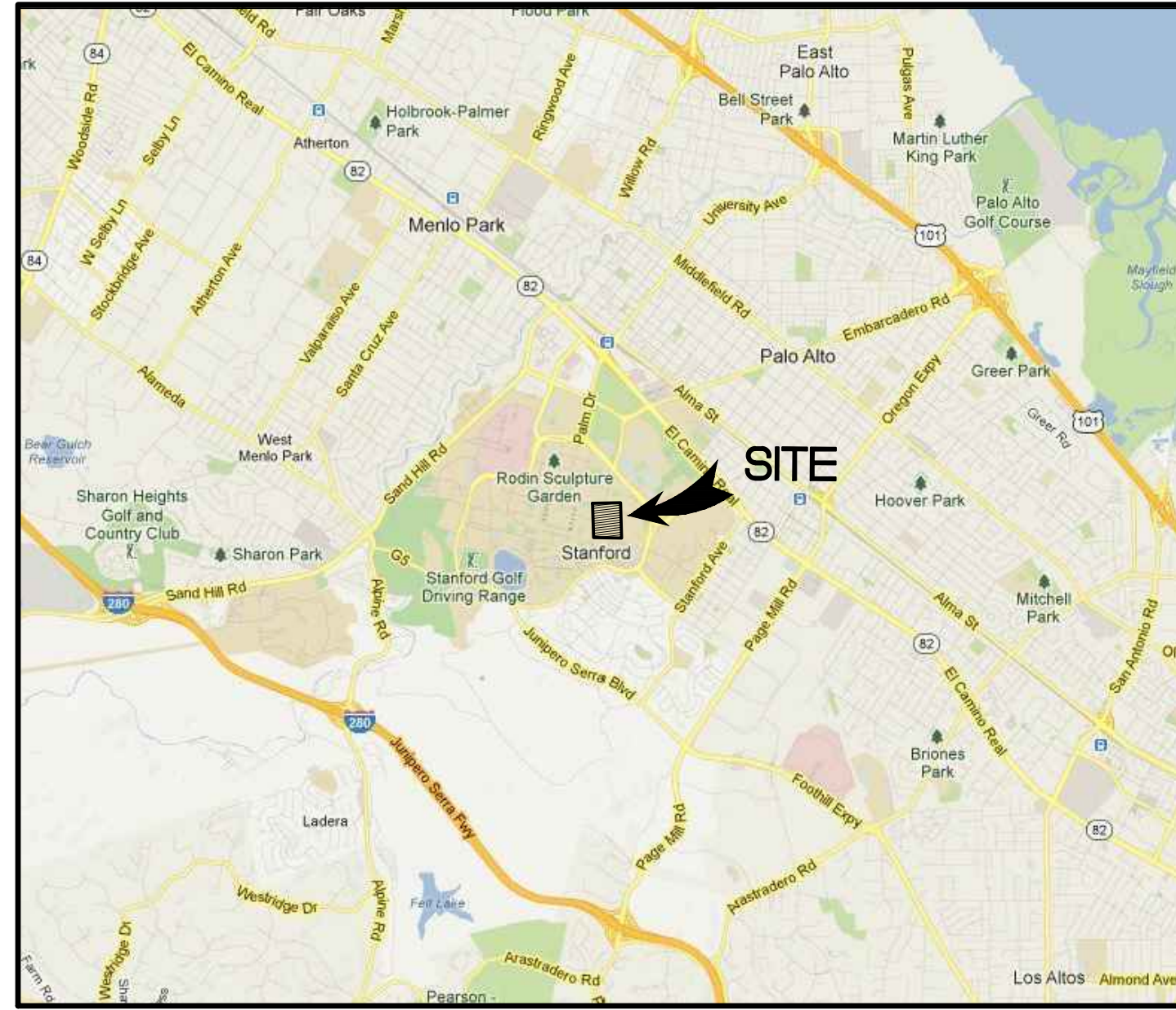
A4-2

# ABBREVIATIONS

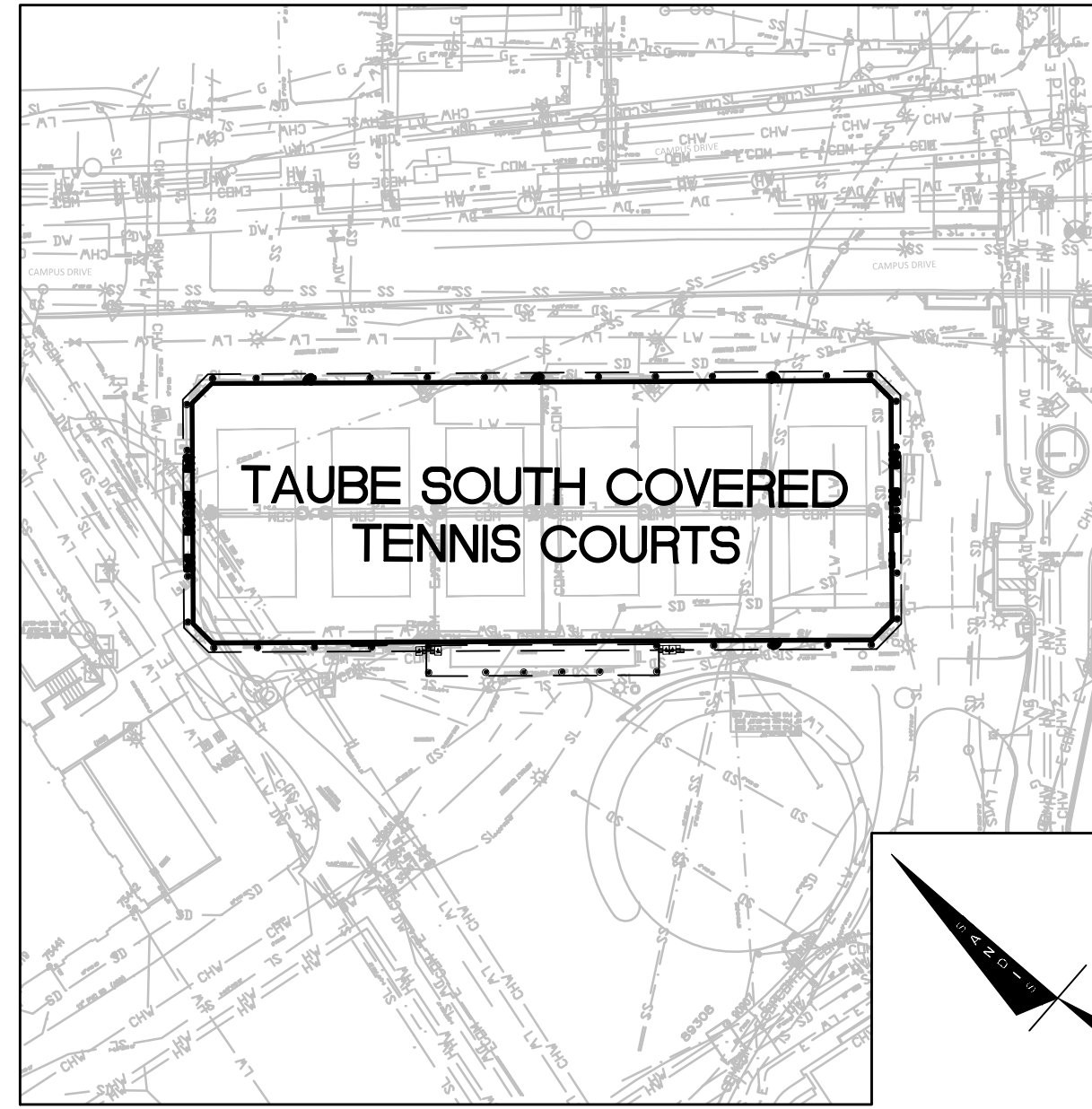
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ASB	AGGREGATE SUBBASE
BC	BEGINNING OF CURVE
BFP	BACK FLOW PREVENTOR
BLDC	BUILDING CORNER
BLDG	BUILDING
BOD	BOTTOM OF DOCK
BOL	BOLLARD
BOS	BOTTOM OF STEP
BOW	FG @ BOTTOM OF WALL
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C	CONCRETE OR CIVIL
C&G	CURB AND GUTTER
CB	CATCH BASIN
CI	COMBINATION INLET
CIP	CAST IRON PIPE
CL	CENTER LINE OR CLASS
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COI	CURB OPENING INLET
CONC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
CY	CUBIC YARD
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DOM	DOMESTIC
DW	DOMESTIC WATER
DWG	DRAWING
E	EAST
EC	END OF CURVE
EP	EDGE OF PAVEMENT
ER	END OF RETURN
EVC	END VERTICAL CURVE
ELEV	ELEVATION
EX, EXIST.	EXISTING
FC	FACE OF CURB
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FOUND	FOUNDATION
FS	FINISHED SURFACE
FT	FOOT
FW	FIRE WATER
G	GROUND ELEVATION
GB	GRADE BREAK
GV	GATE VALVE
HCR	ACCESSIBLE RAMP
HP	HIGH POINT
IWV	INVERT ELEVATION
JP	JOINT POLE
JT	JOINT TRENCH
LIP	LIP OF GUTTER
LP	LOW POINT
LSA	LANDSCAPE ARCHITECT
MAX	MAXIMUM
MEP	MECHANICAL/ELECTRICAL/PLUMBING
MH	MANHOLE
MIN	MINIMUM
MPVC	MINIMUM POINT OF VERTICAL CURVE
MON	MONUMENT
N	NORTH
N.I.C.	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
P	PAVEMENT ELEVATION
PCC	PORTLAND CEMENT CONCRETE /
PIV	POINT OF CONTINUOUS CURVATURE
PL	POST INDICATOR VALVE
PL	PROPERTY LINE
PMH	POWER MANHOLE
POC	POINT ON CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RC	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
R/W	RIGHT OF WAY
S	SLOPE OR SOUTH
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SB	SEDIMENT BASIN
SD	STORM DRAIN
S.E.D.	SEE ELECTRICAL DRAWINGS
SF	SILT FENCE
SG	SUBGRADE
S.L.D.	SEE LANDSCAPE DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
SMH	SIGNAL MANHOLE
S.P.D.	SEE PLUMBING DRAWINGS
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
S/W	SIDEWALK
TC	TOP OF CURB
TD	TRENCH DRAIN
TOE	TOP OF DOCK
TOE	TOP OF SLOPE
TOS	TOP OF STAIR
TOW	FG @ TOP OF WALL
TS	TOP OF SLAB
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
U/G	UNDERGROUND
VC	VERTICAL CURVE
WM	WATER METER
WV	WATER VALVE
W	WEST
W/F	WELDED WIRE FABRIC
W/	WITH

APPROVED FOR ISSUANCE. REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS

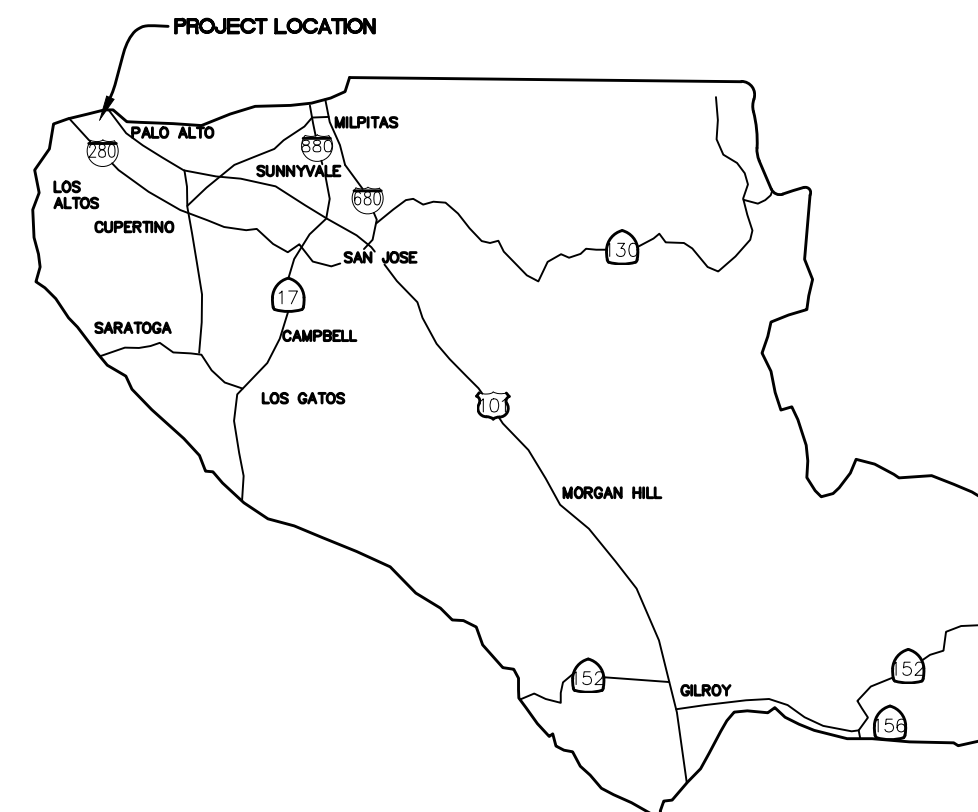
# STANFORD UNIVERSITY TAUBE SOUTH COVERED TENNIS COURTS BUILDING 08-025 PALO ALTO CALIFORNIA



VICINITY MAP  
NOT TO SCALE



SITE MAP  
NOT TO SCALE



COUNTY LOCATION MAP

## EARTHWORK FOR CONSTRUCTION NOTE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INCLUDE ALL MATERIAL AND LABOR REQUIRED WITHIN THE BID PRICE, FOR EARTHWORK CONSTRUCTION, TO CARRY OUT THE CUT/FILL AND/OR IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES SHOWN ON THE PLANS. CONTRACTOR IS TO DELIVER TO OWNER THE PROJECT IN A COMPLETE AND OPERATIONAL MANNER.

## TOPOGRAPHIC SURVEY NOTES

TOPOGRAPHIC SURVEY INFORMATION SHOWN HEREON IS BASED UPON MULTIPLE SUPPLEMENTAL TOPOGRAPHIC SURVEYS COMPLETED BY SANDIS, UNDER THE DIRECTION OF LAURA CABRAL, PLS 7756, IN ADDITION TO BASEMAP INFORMATION PROVIDED BY STANFORD UNIVERSITY.

## DEMOLITION NOTES

- CONTRACTOR SHALL PROVIDE LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR DEMOLISHING, CUTTING, CHIPPING, REMOVING AND DISPOSING OF EXISTING IMPROVEMENTS AS DESIGNATED AND SHOWN ON THE DRAWINGS AND AS REQUIRED, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL DEMOLISH, ABANDON OR REROUTE EXISTING UTILITIES AS REQUIRED FOR NEW CONSTRUCTION. UTILITIES AND APPURTENANCES TO REMAIN WITHIN THE PROJECT LIMIT OF WORK SHALL BE PROTECTED.
- CONTRACTOR SHALL MAINTAIN THE EXISTING SITE LIGHTING SYSTEM UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE ALL UTILITY SHUT-DOWNS WITH THE OWNER'S REPRESENTATIVE.
- ITEMS INDICATED TO BE SALVAGED SHALL BE REMOVED CAREFULLY, CLEANED AND DELIVERED TO THE OWNER. COORDINATE WITH THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

## SCOPE OF WORK

CONSTRUCTION OF TENNIS COURT COVERING AND STRUCTURAL COLUMNS, AND ASSOCIATED SITE IMPROVEMENTS.

## STREET CLEANING NOTE

THE PRIME CONTRACTOR OR DEVELOPER IS TO HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM UNIVERSITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES. THE STREET CLEANING CONTRACTOR IS TO HAVE THE CAPABILITY OF WASHING THE STREETS FROM A TANKER TRUCK WITH A HIGH-PRESSURE NOZZLE WITH RECLAIMED WATER, WHERE FEASIBLE, AND/OR SWEEPING THE STREETS WITH BOTH A BROOM-TYPE SWEEPER AND A REGENERATIVE AIR VACUUM SWEEPER, AS DIRECTED BY THE DISTRICT, OR HIS/HER DESIGNATED REPRESENTATIVE.

## SHUT DOWN NOTE

CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS WITH OWNER. NO SHUT DOWNS OF ANY SERVICES WILL BE ALLOWED WITHOUT PRIOR SCHEDULE APPROVAL OF OWNER AND THEIR TENANTS.

## DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

## HYDROMODIFICATION NOTE

THE PROJECT IS EXEMPT FROM HYDROMODIFICATION REQUIREMENTS PER THE SANTA CLARA COUNTY C.3 TECHNICAL GUIDANCE DOCUMENT. THE PROJECT IS EXEMPT FROM HYDROMODIFICATION DUE TO THE SITE BEING LOCATED IN A WATER SHED THAT DISCHARGES TO A TIDAL AREA, HARDENED CHANNEL, OR DIRECTLY TO THE BAY.

## FLOODZONE

SITE IS LOCATED WITHIN ZONE D BASED ON FIRM MAP PANEL NUMBER 06085 C0016H, DATED MAY 18 2008. ZONE D IS THE AREA DETERMINED TO BE AREAS FOR WHICH FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE.

## UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

## FIRE SYSTEM NOTES

THE CONTRACTOR SHALL DESIGN, PREPARE SHOP DRAWINGS FOR, OBTAIN ALL REQUIRED APPROVALS, AND CONSTRUCT THE FIRE SYSTEM FOR THE PROPOSED PROJECT.

## ENGINEER'S STATEMENT

I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE APPROVED TENTATIVE MAP (OR PLAN) AND CONDITIONS OF APPROVAL PERTAINING THERETO DATED \_\_\_\_\_

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_ R.C.E. NO. \_\_\_\_\_  
EXPIRATION DATE \_\_\_\_\_

## COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS OF THE PLANS, THE COUNTY SHALL HAVE THE AUTHORITY TO REQUIRE THE SUSPENSION OF WORK, AND THE NECESSARY MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

DATE \_\_\_\_\_ SIGNATURE \_\_\_\_\_ R.C.E. NO. \_\_\_\_\_  
EXPIRATION DATE \_\_\_\_\_

COUNTY OF SANTA CLARA  
LAND DEVELOPMENT ENGINEERING & SURVEYING

CONSTRUCTION PERMIT NO. \_\_\_\_\_  
GRADING PERMIT NO. \_\_\_\_\_  
ISSUED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



## LEGEND

	EXISTING	PROPOSED
SAWCUT AND CONFORM LINE	---	---
RETAINING WALL	=====	=====
A.C. PAVEMENT	=====	=====
CONC. VALLEY GUTTER	=====	=====
CONC. SIDEWALK OR PAD	=====	=====
6" CURB & GUTTER	=====	=====
EDGE OF A.C. PAVEMENT	=====	=====
6" VERTICAL CURB	=====	=====
CENTER LINE	-----	-----
SANITARY SEWER MAIN	8" SS	8" SS
STORM DRAIN MAIN	12" SD	15" SD
PERFORATED PIPE	6" SD	6" SD
WATER MAIN	6" W	6" W
FIRE WATER MAIN	6" FW	4" FW
DOMESTIC WATER MAIN	6" DW	4" DW
CHILLED WATER MAIN	6" CHW	4" CHW
IRRIGATION LINE	2" IRR	4" IRR
HOT WATER SUPPLY & RETURN	HWS-HWR	HWS-HWR
STEAM LINE	ST	ST
LAKE WATER LINE	LW	LW
TRENCH DRAIN	=====	=====
CONDENSATE RETURN	CR	CR
FLOW LINE	-----	-----
CHAIN LINK FENCE	x-x-x-x	x-x-x-x
GAS MAIN	G	2" G
ELECTRIC AND SIGNAL DUCT BANK	E	E
OVERHEAD ELECTRIC LINE	OHE	OHE
UNDERGROUND ELECTRIC LINE	UGE	UGE
STREET LIGHT CONDUIT	SL	SL
CONTOUR ELEVATION LINE	85	89
SPOT ELEVATION	x 95.94	FC 95.94
DIRECTION OF SLOPE	2:1	1% 1%
GAS METER	GM	GM
GAS VALVE	GV	GV
WATER METER	WM	WM
WATER VALVE	WV	WV
FIRE HYDRANT	FH	FH
BACK FLOW PREVENTOR	BFP	BFP
POST INDICATOR VALVE	PIV	PIV
FIRE DEPARTMENT CONNECTION	FDC	FDC
WATER LINE TEE	WT	WT
CAP AND PLUG END	CP	CP
AIR RELEASE VALVE	ARV	ARV
SIGN	+	+
ACCESSIBLE RAMP	AR	AR
CONCRETE THRUST BLOCK	CTB	CTB
REDUCER	R	R
SANITARY SEWER MANHOLE	SSM	SSM
SANITARY SEWER CLEANOUT	SSCO	SSCO
STORM DRAIN MANHOLE	SDM	SDM
STORM DRAIN AREA DRAIN	SDAD	SDAD
STORM DRAIN CATCH BASIN	SDCB	SDCB
STORM DRAIN CURB INLET	SDCI	SDCI
STORM DRAIN CLEANOUT	SDCO	SDCO
ELECTROLYZER	EL	EL
JOINT POLE	JP	JP
OVERLAND RELEASE	OR	OR
CONSTRUCTION DETAIL REFERENCE	15 C5.2	15 C5.2

## UNAUTHORIZED CHANGES AND USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of the plans.

Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged in connection with the performance of work on this project, excepting liability arising from sole negligence of design professional.

Consulting Engineers & Land Surveyors of California

## STANFORD UNIVERSITY

Project Name: Covered Tennis Courts  
Project Address: 638 Campus Drive,  
Stanford CA. 94305  
Quad/ Bldg. Number: 08-025



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.01.2023	ASA SET
	05.31.2023	ASA RESUBMITTAL SET

PROJECT NUMBER  
22020

SHEET TITLE

COVER SHEET

SCALE

NTS

SHEET NUMBER

C-1.0



## FIRE SAFETY NOTES:

PLAN SUBMITTAL REQUIREMENTS:  
FIRE ALARMS AND DETECTION SYSTEMS  
ATTACHMENT A  
CODE, STANDARDS & GUIDES  
LIST OF 2022 CALIFORNIA CODE OF REGULATIONS

APPLICABLE CODES AS OF JANUARY 1, 2023:

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)  
(BASED ON THE 2012 INTERNATIONAL BUILDING CODE)

2022 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)  
(BASED ON 2011 NATIONAL ELECTRICAL CODE)

2022 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)  
(BASED ON THE 2012 UNIFORM MECHANICAL CODE)

2022 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)  
(BASED ON THE 2012 UNIFORM PLUMBING CODE)

2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2022 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2022 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)  
(BASED ON THE 2012 INTERNATIONAL FIRE CODE)

2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)  
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 13 – SPRINKLER SYSTEMS – 2022 EDITION

NFPA 14 – STANDPIPES AND HOSE SYSTEMS – 2022 EDITION

NFPA 17A – WET CHEMICAL EXTINGUISHING SYSTEMS – 2022 EDITION

NFPA 24 – PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES – 2022 EDITION

NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE – 2022 EDITION

NFPA 253 – CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS USING A RADIANT HEAT ENERGY SOURCE – 2022 EDITION.

UNDERGROUND FIRE SERVICE TO FIRE HYDRANTS REQUIREMENTS:

NFPA 24 CHAPTER 10.1.3: WHERE EXTERNALLY COATED AND WRAPPED AND INTERNALLY GALVANIZED, STEEL PIPE SHALL BE PERMITTED TO BE USED BETWEEN THE CHECK VALVE AND THE OUTSIDE BASE COUPLING FOR THE FIRE DEPARTMENT CONNECTION.

NFPA 24 CHAPTER 10.1.6.1: UNLESS THE REQUIREMENTS OF 10.1.6.2 ARE MET, ALL FERROUS METAL PIPE SHALL BE LINED IN ACCORDANCE WITH THE APPLICABLE STANDARDS IN TABLE 10.1.1.

NFPA 24 CHAPTER 10.1.6.2: STEEL PIPE UTILIZED IN FIRE DEPARTMENT CONNECTIONS AND PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF 10.1.3 SHALL NOT BE ADDITIONALLY REQUIRED TO BE LINED.

NFPA 24 CHAPTER 10.3.5.2: ALL BOLTED JOINT ACCESSORIES SHALL BE CLEANED AND THOROUGHLY COATED WITH ASPHALT OR OTHER CORROSION RETARDING MATERIAL AFTER INSTALLATION.

NFPA 24 CHAPTER 10.8.3.5: AFTER INSTALLATION, RODS, NUTS, BOLTS, WASHERS, CLAMPS, AND OTHER RESTRAINING DEVICES, EXCEPT THRUST BLOCKS, SHALL BE CLEANED AND THOROUGHLY COATED WITH BITUMINOUS OR OTHER ACCEPTABLE CORROSION-RETARDING MATERIAL.

NFPA 24 CHAPTER 10.8.2.2: THRUST BLOCKS SHALL BE OF A CONCRETE MIX NOT LEANER THAN ONE PART CEMENT, TWO AND ONE HALF PARTS SAND, AND FIVE PARTS STONE.

NFPA 24 CHAPTER 10.8.2.3: THRUST BLOCKS SHALL BE PLACED BETWEEN UNDISTURBED EARTH AND THE FITTING TO BE RESTRAINED, AND SHALL BE OF SUCH BEARING AS TO ENSURE ADEQUATE RESISTANCE TO THE THRUST TO BE ENCOUNTERED.

NFPA 24 CHAPTER 10.8.2.4: IN GENERAL THRUST BLOCKS SHALL BE SO PLACED THAT THE JOINTS WILL BE ACCESSIBLE FOR INSPECTION AND REPAIR.

NFPA 24 CHAPTER 10.10.2.1.1: UNDERGROUND PIPING, FROM THE WATER SUPPLY TO THE SYSTEM RISER, AND LEAD-IN CONNECTIONS TO THE SYSTEM RISER SHALL BE COMPLETELY FLUSHED BEFORE THE CONNECTION IS MADE TO DOWNSTREAM FIRE PROTECTION SYSTEM PIPING.

NFPA 24 CHAPTER 10.10.2.1.3: THE MINIMUM RATE OF FLOW SHALL BE NO LESS THAN ONE OF THE FOLLOWING:

- (1) HYDRAULICALLY CALCULATED WATER DEMAND FLOW RATE OF THE SYSTEM, INCLUDING ANY HOSE REQUIREMENTS.
- (2) FLOW NECESSARY TO PROVIDE A VELOCITY OF 10 FT/SEC (3.1 M/SEC) IN ACCORDANCE WITH TABLE 10.10.2.1.3.
- (3) MAXIMUM FLOW RATE AVAILABLE TO THE SYSTEM UNDER THE CONDITIONS.

NFPA 24 CHAPTER 10.10.2.2.1\*: ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200 PSI (13.8 BAR) OR 50 PSI (3.5 BAR) IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE AT + 5 PSI (0.35 BAR) FOR 2 HOURS.

NFPA 24 CHAPTER 10.10.1: THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

- (1) NOTIFYING THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S REPRESENTATIVE OF THE TIME AND DATE TESTING IS TO BE PERFORMED.
- (2) PERFORMING ALL REQUIRED ACCEPTANCE TESTS.
- (3) COMPLETING AND SIGNING THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE(S) SHOWN IN FIGURE 10.10.1.

CHAPTER 10.4.3: IN THOSE LOCATIONS WHERE FROST IS NOT A FACTOR, THE DEPTH OF COVER SHALL NOT BE LESS THAN 2 1/2 FEET (0.8 M) TO PREVENT MECHANICAL DAMAGE.

NFPA 24 CHAPTER 10.4.4: PIPE UNDER DRIVEWAYS SHALL BE BURIED AT A MINIMUM DEPTH OF 3 FT (0.9M).

NFPA 24 CHAPTER 10.6.1: PIPE SHALL NOT BE RUN UNDER BUILDINGS.

STANFORD UNIVERSITY

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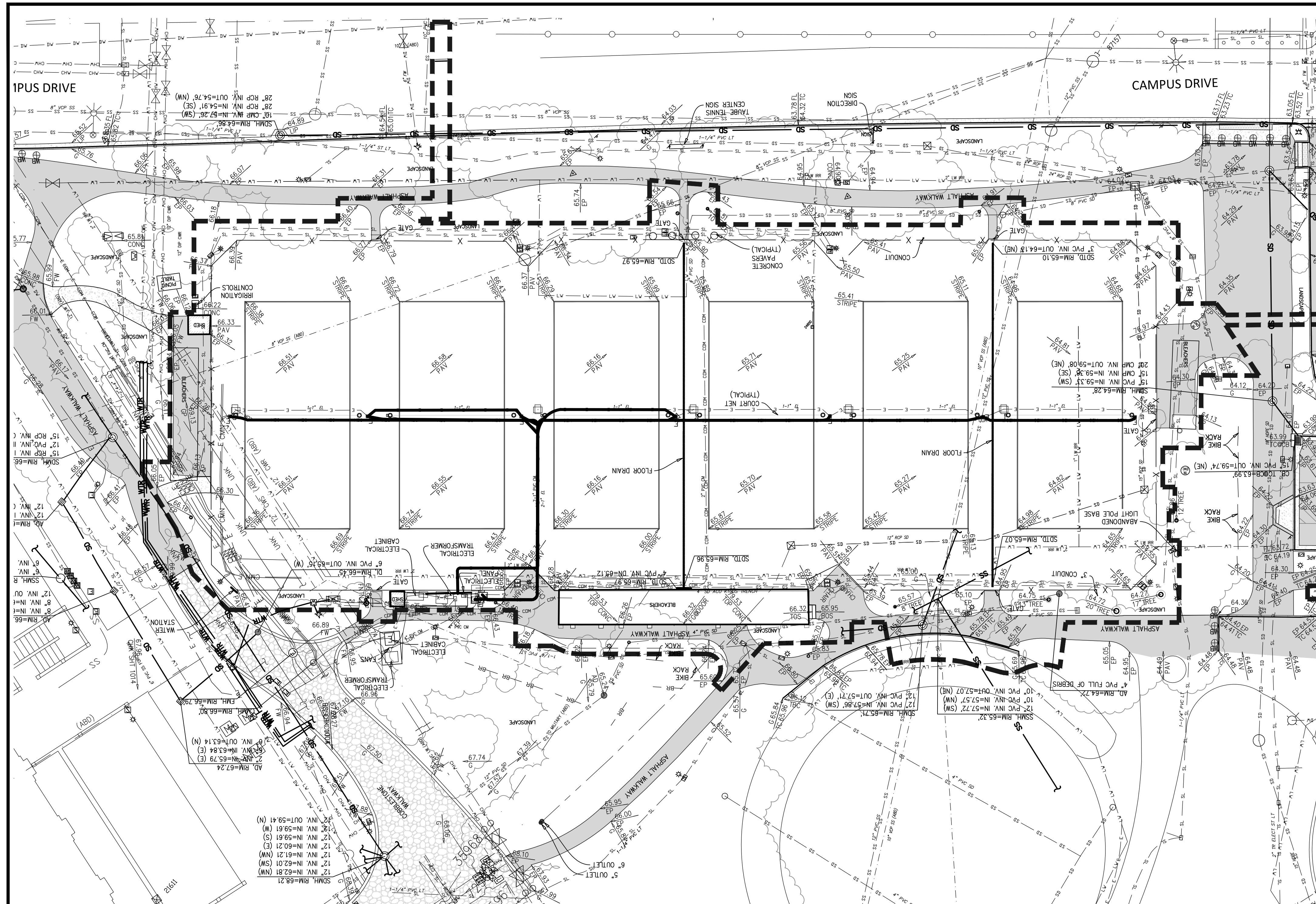
FIRE SAFETY NOTES

SCALE

NTS

SHEET NUMBER

C-1.2



### LEGEND

[Symbol]	BUILDING OVERHANG
[Symbol]	EDGE OF PAVEMENT
[Symbol]	CURB LINE
[Symbol]	CURB & GUTTER LINE
[Symbol]	WALL
[Symbol]	CONTOURS
[Symbol]	RAIL
[Symbol]	FLOW LINE
[Symbol]	FENCE LINE
[Symbol]	IRRIGATION WATER
[Symbol]	LAKE WATER
[Symbol]	HOT WATER
[Symbol]	CHILLED WATER
[Symbol]	STORM DRAIN LINE
[Symbol]	SANITARY SEWER LINE
[Symbol]	WATER LINE
[Symbol]	NATURAL GAS LINE
[Symbol]	UNDERGROUND ELECTRIC LINE
[Symbol]	COMMUNICATION LINE
[Symbol]	PAVEMENT
[Symbol]	CONCRETE
[Symbol]	FOUND SURVEY MONUMENT
[Symbol]	STORM DRAIN MANHOLE
[Symbol]	DRAIN INLET
[Symbol]	DRAIN INLET (ROUND)
[Symbol]	SANITARY SEWER MANHOLE
[Symbol]	SANITARY SEWER CLEANOUT
[Symbol]	WATER METER / BOX
[Symbol]	WATER VALVE
[Symbol]	BACKFLOW PREVENTOR
[Symbol]	WATER VALVE
[Symbol]	FIRE HYDRANT
[Symbol]	FIRE DEPARTMENT CONNECTION
[Symbol]	POST INDICATOR VALVE
[Symbol]	IRRIGATION CONTROL / VALVE BOX
[Symbol]	GAS METER
[Symbol]	GAS VALVE
[Symbol]	COMMUNICATIONS MANHOLE
[Symbol]	COMMUNICATIONS VAULT / PULLBOX
[Symbol]	ELECTRIC MANHOLE
[Symbol]	ELECTRIC VAULT / PULLBOX
[Symbol]	HARDSCAPE ELECTRIC LIGHT
[Symbol]	ELECTROLIER ON TOP OF POLE
[Symbol]	ELECTROLIER WITH MAST ARM
[Symbol]	STREET LIGHT PULLBOX
[Symbol]	MISCELLANEOUS MANHOLE
[Symbol]	MISCELLANEOUS PULLBOX
[Symbol]	MISCELLANEOUS CLEANOUT
[Symbol]	SIGN
[Symbol]	BOLLARD
[Symbol]	SPOT ELEVATION



### ABBREVIATIONS

AD	AREA DRAIN	PAVE	PAVER ELEVATION
BFP	BACKFLOW PREVENTOR	PIV	POST INDICATOR VALVE
BLDC	BUILDING CORNER	PNL	ELECTRIC PANEL
BLDL	BUILDING LINE	RAIL	HANDRAIL / GUARDRAIL
BOLL	BOLLARD	SDMH	STORM DRAIN MANHOLE
BOW	BOTTOM OF WALL	SSCO	SANITARY SEWER CLEANOUT
BS	BOTTOM OF STAIR	SSMH	SANITARY SEWER MANHOLE
CHKSH	SURVEY CHECK SHOT	STL	STREET LIGHT
CLF	CHAIN LINK FENCE	STL-S	SINGLE-ARM STREET LIGHT
CNPT	SURVEY CONTROL POINT	STPB	STREET LIGHT PULLBOX
COL	COLUMN	SW	SIDEWALK
COM-MH	COMMUNICATIONS MANHOLE	TC	TOP OF CURB
COM-PB	COMMUNICATIONS PULLBOX	TC@CB	TOP OF CURB AT CATCH BASIN
CONC	CONCRETE	TD	TRENCH DRAIN
DCK	DECK	TOP	TOP OF SLOPE
DD	DECK DRAIN	TOW	TOP OF WALL
DI	DRAIN INLET	TRANS	TRANSFORMER
DW	DOMESTIC WATER	TS	TOP OF STAIR
EP	EDGE OF PAVEMENT	VL	VAULT
EPB	ELECTRICAL PULLBOX	WM	WATER METER
FDC	FIRE DEPARTMENT CONNECTION	WPB	WATER VAULT
FG@DOOR	FINISHED GRADE AT DOOR	WV	WATER VALVE
FH	FIRE HYDRANT		
FL	FLOW LINE		
FNTN	FOUNTAIN		
G	GROUND		
GM	GAS METER		
GRATE	DRAIN INLET GRATE		
GV	GAS VALVE		
HCR	ACCESSIBLE RAMP		
HE	HARDSCAPE ELECTRIC LIGHT		
IF	IRON FENCE		
LIP	LIP OF GUTTER		
MISC-CO	MISCELLANEOUS CLEANOUT		
MISC-MH	MISCELLANEOUS MANHOLE		
MISC-PB	MISCELLANEOUS PULLBOX		
MISC-VLT	MISCELLANEOUS VAULT		
OH	BUILDING OVERHANG		
P	PAVEMENT ELEVATION		

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### BENCHMARK

THE ELEVATION REFERENCE FOR THIS SURVEY IS A STANFORD MONUMENT S-124, WHICH IS A SET 2-1/2" BRASS CAP WITH PUNCH MARK, STAMPED "S-124, LS 5797" IN MONUMENT WELL IN AC PATH AT THE BACK OF CURB NORTH OF THE INTERSECTION OF CAMPUS DRIVE EAST AND ENTRANCE TO THE PARKING LOT SOUTHEAST OF THE MAPLES PAVILION PER R.O.S. 747 M 40-49. ELEVATION= 59.68 FEET (NGVD 29 DATUM)

### SITE BENCHMARK

ROD AND CAP SET IN CAMPUS DRIVE TURN LANES AT THE ENTRANCE TO STANFORD UNIVERSITY GEMEX AUDITORIUM, SOUTHEAST 49' FROM THE WHITE FIRE HYDRANT. ELEVATION= 63.08 FEET (NGVD 29 DATUM)

### SURVEY NOTES

- ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
- DATES OF FIELD SURVEY: 8-15-2022, 8-16-2022, 8-17-2022 AND 8-22-2022.
- HORIZONTAL CONTROL WAS BASED ON GPS SURVEY USING GNSS RTK METHODS CONNECTED TO THE LEXIA SMARTNET REAL TIME NETWORK TIED INTO CALIFORNIA STATE PLANE COORDINATES NAD83, EPOCH 2020.75 VERTICAL CONTROL WAS BASED ON STANFORD MONUMENT.

### UNDERGROUND UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

### SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF MARK BONINO AND STANFORD UNIVERSITY IN AUGUST, 2022.

9-01-2022  
 KELLY S. JOHNSON  
 L.S. NO. 9126  
 DATE

### PROJECT NUMBER

22020

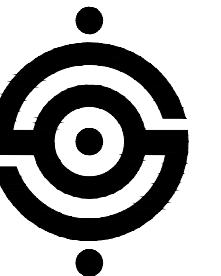
### SHEET TITLE

TOPOGRAPHIC SURVEY

SCALE  
 1"=30'

SHEET NUMBER

C-2.0



ISSUES AND REVISIONS

NO.	DATE	DESCRIPTION
	03.01.2023	ASA SET
	05.31.2023	ASA RESUBMITTAL SET

PROJECT NUMBER  
22020

SHEET TITLE  
**DEMOLITION/TREE REMOVAL  
PLAN**

SCALE  
AS NOTED

SHEET NUMBER

**C-3.0**

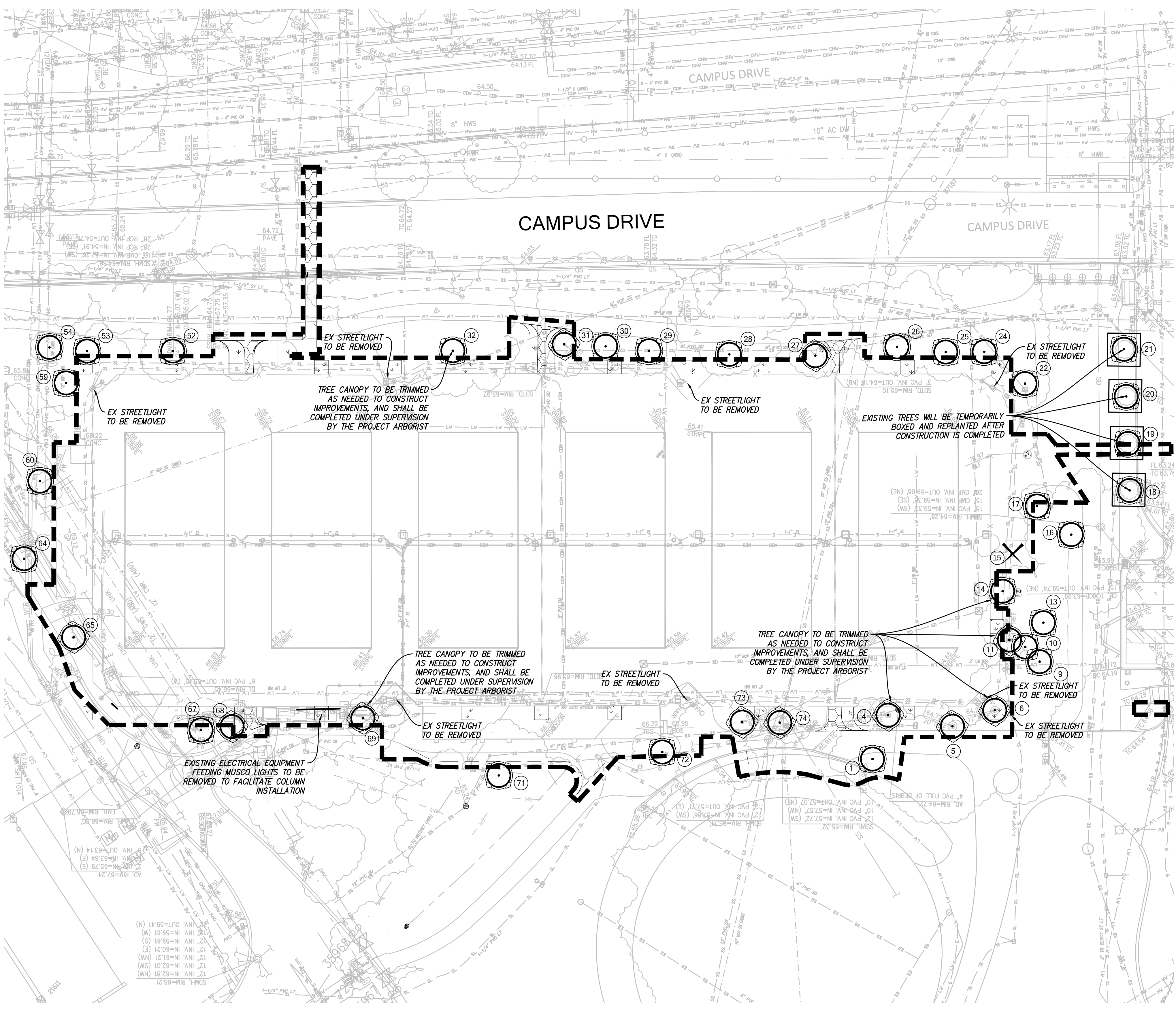
**LEGEND**

- # TREE NUMBER SEE TABLE THIS SHEET
- EXISTING TREE TO REMAIN. PROTECT IN PLACE. SEE NOTES ON THIS SHEET. (1 C-3.1)
- EXISTING TREE TO BE REMOVED
- CLEAR AND GRUB EXISTING LANDSCAPE AREA SO NO ORGANICS ARE STILL PRESENT.

- REMOVE EXISTING CONCRETE INCLUDING ANY ASSOCIATED BASE ROCK AND REBAR. STABILIZE THE EXISTING SUBGRADE. DEMOLISHED MATERIAL MAY BE USED AS BASE ROCK IF APPROVED BY THE GEOTECHNICAL ENGINEER.
- REMOVE EXISTING AC PAVEMENT AND ANY ASSOCIATED BASE ROCK. STABILIZE THE EXISTING SUBGRADE. DEMOLISHED MATERIAL MAY BE USED AS BASE ROCK IF APPROVED BY GEOTECHNICAL ENGINEER.
- REMOVE EXISTING PAVERS

- LIMIT OF WORK LINE
- SAWCUT LINE. CONTRACTOR SHALL SAWCUT WITH A NEAT, CLEAN EDGE. SAWCUT CONCRETE AT NEAREST JOINT TO SAWCUT LINE SHOWN ON PLAN.
- DEMOLISH AND REMOVE EXISTING CURB AND GUTTER, INCLUDING ANY ASSOCIATED REBAR OR BASE ROCK. SAWCUT WITH NEAT, CLEAN EDGE.

1 INCH = 20 FT

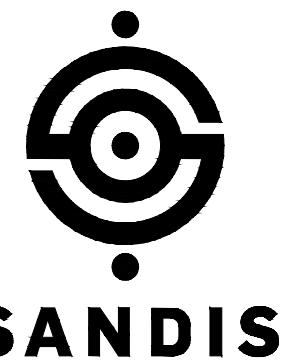


**TREE DISPOSITION TABLE**

TREE NO.	SPECIES	DBH (IN.)	REMOVE/REMAIN	PROTECTED STATUS
1	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
4	COAST LIVE OAK	11	REMAIN	PROTECTED
5	COAST LIVE OAK	21	REMAIN	PROTECTED
6	COAST LIVE OAK	18	REMAIN	PROTECTED
9	COAST LIVE OAK	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
10	COAST LIVE OAK	<12	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
11	COAST LIVE OAK	12	REMAIN	PROTECTED
13	COAST LIVE OAK	18	REMAIN	PROTECTED
14	COAST LIVE OAK	20,19	REMAIN	PROTECTED
15	COAST LIVE OAK	10	REMOVE	NOT PROTECTED, SEE CONDITION A BELOW
16	COAST LIVE OAK	24,20	REMAIN	PROTECTED
17	COAST LIVE OAK	3	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
18	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
19	COAST LIVE OAK	4	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
20	COAST LIVE OAK	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
21	COAST LIVE OAK	5	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
22	DEODAR CEDAR	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
24	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
25	DEODAR CEDAR	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
26	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
27	COAST REDWOOD	15	REMAIN	PROTECTED
28	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
29	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
30	COAST REDWOOD	9	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
31	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
32	COAST LIVE OAK	39	REMAIN	PROTECTED
52	DEODAR CEDAR	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
53	DEODAR CEDAR	14	REMAIN	PROTECTED
54	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
59	DEODAR CEDAR	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
60	CANARY ISLAND PINE	9	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
64	CANARY ISLAND PINE	16	REMAIN	PROTECTED
65	DEODAR CEDAR	11	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
67	CANARY ISLAND PINE	19	REMAIN	PROTECTED
68	CANARY ISLAND PINE	14	REMAIN	PROTECTED
69	CANARY ISLAND PINE	12	REMAIN	PROTECTED
71	COAST LIVE OAK	17	REMAIN	PROTECTED
72	COAST LIVE OAK	27	REMAIN	PROTECTED
73	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
74	COAST LIVE OAK	5	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW

NOTES:  
 CONDITION A: TREE IS NOT DESIGNATED AS A PROTECTED TREE DUE TO THE DBH BEING LESS THAN 12".  
 CONDITION B: TREE IS NOT DESIGNATED AS A PROTECTED TREE DUE TO NOT BEING IDENTIFIED ON A PREVIOUS ASA.





ISSUES AND REVISIONS		
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22020

SHEET TITLE

DEMOLITION/TREE REMOVAL  
NOTES

SCALE

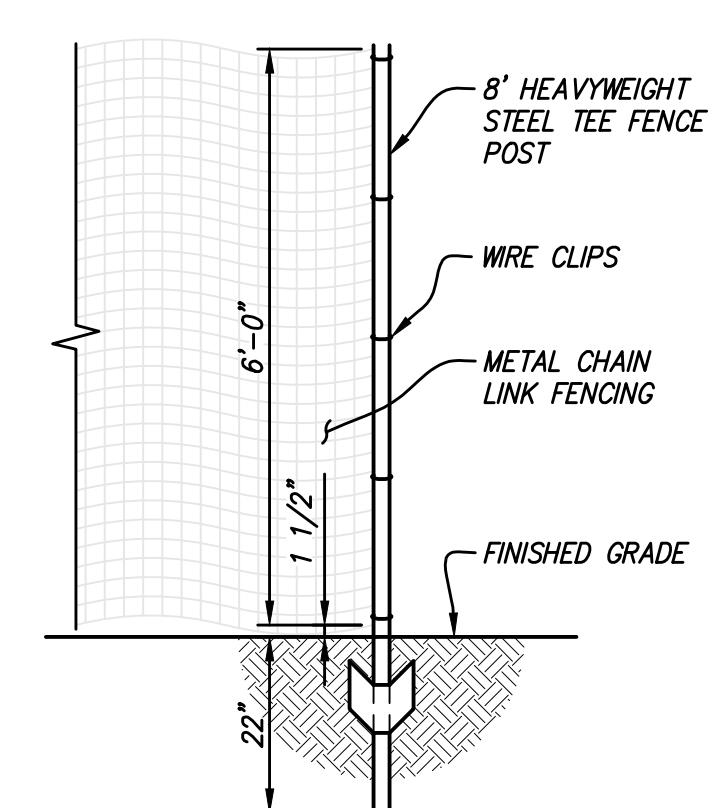
AS NOTED

SHEET NUMBER

STANFORD UNIVERSITY TREE PROTECTION PROCEDURES SUMMARY

- WE HAVE STRICT REQUIREMENTS WHICH INCLUDE THE POINTS LISTED BELOW AND ADDITIONAL PROCEDURES AS DETAILED IN THE FDG SPECIFICATIONS GUIDELINE 01 56 39 TREE AND PLANT PROTECTION.
- THE ROOT ZONE OF ALL TREES MUST BE PROTECTED ON ALL CONSTRUCTION PROJECTS, AS DESCRIBED BELOW. A TREE'S ROOT ZONE IS DEFINED AS LISTED IN DEFINITIONS 1.3B.
- A STANFORD GROUNDS CERTIFIED ARBORIST SHALL BE CONTACTED TO EVALUATE ALL WORK WITHIN ANY TREES ROOT ZONES.
- ALL TREES TO REMAIN ON A PROJECT SHALL HAVE PROTECTIVE FENCING INSTALLED PER THE TREE PROTECTION DRAWING INCLUDED IN THE PLAN SET.
- PROTECTIVE FENCING SHALL BE CHAIN LINK ON SECURE FOOTINGS, OR IMBEDDED AS REQUIRED BY THE CAMPUS PLANNING AND DESIGN OFFICE OR A STANFORD GROUNDS CERTIFIED ARBORIST, THAT WILL NOT FALL OVER ONTO TREES.
- PROTECTIVE FENCING SHALL BE PLACED AT THE OUTER EDGE OF THE ROOT ZONE, AS PER TREE PROTECTION PLAN 1.7.A.3, AND WHEREVER POSSIBLE AS SHOWN ON THE TREE PROTECTION DRAWING. IF PROJECT CONSTRAINTS DO NOT ALLOW FOR FENCING AT THE OUTER EDGE OF THE ROOT ZONE, FENCING MUST BE PLACED AS CLOSE TO THIS AS POSSIBLE AND APPROVED AFTER IT IS IN PLACE BY A STANFORD UNIVERSITY GROUNDS CERTIFIED ARBORIST.
- LAYDOWN, STAGING AND PARKING AREAS SHALL BE APPROVED BY THE STANFORD UNIVERSITY ARCHITECT/CAMPUS PLANNING DEPARTMENT AND SHALL BE SHOWN ON THE PLANS IF WITHIN THE PROJECT LIMIT AREA, OR ON THE CONSTRUCTION LOGISTICS PLAN IF OUTSIDE THE PROJECT LIMIT AREA. ALL TREE PROTECTION GUIDELINES APPLY TO TREES IN LAYDOWN, STAGING AND PARKING AREAS AS WELL AS TO TREES WITHIN THE PROJECT LIMITS.
- CONSTRUCTION MATERIALS/EQUIPMENT/PERSONAL VEHICLES SHALL NOT BE STORED, PARKED OR TEMPORARILY PLACED IN THE ROOT ZONE OF ANY TREES. NOTHING SHALL BE STORED OR PLACED TEMPORARILY WITHIN PROTECTIVE FENCING, TO AVOID SOIL COMPACTION AND SOIL CONTAMINATION UNDER TREES. ROOT ZONES OF TREES SHALL NOT BE DRIVEN OVER. PROVIDE ALTERNATIVE ROUTES FOR CONSTRUCTION TRAFFIC OF ANY KIND INCLUDING CARS, PEOPLE, TRACTORS, EQUIPMENT, CRANES, OR ANY OTHER TRAFFIC AND ALL STAGING OR STORAGE AREAS.
- PROTECT OVERHANGING TREE CANOPIES FROM CONSTRUCTION DAMAGE. IF DRIVE AISLES ARE ANTICIPATED UNDER LOW CANOPIES CALL FOR AN EVALUATION BY A STANFORD GROUNDS CERTIFIED ARBORIST TO DETERMINE APPROPRIATE MEASURES.
- THERE SHALL BE NO GRADE CHANGE WITHIN A MINIMUM OF TEN FEET OF THE TRUNK OF EXISTING TREES, AND PREFERABLY NONE WITHIN THE ENTIRE ROOT ZONE. NATIVE OAKS ARE PARTICULARLY SENSITIVE TO GRADE CHANGES.
- NO RINSING, CLEANING EQUIPMENT OR DUMPING CONSTRUCTION LIQUID MATERIALS SHALL BE ALLOWED IN THE TREE ROOT ZONE, OR IN AN AREA THAT DRAINS INTO THE ROOT ZONE. CARE SHALL BE TAKEN IN CLEANING UP EQUIPMENT. THERE SHALL BE NO STORAGE OF DUMPSTERS OR ACCUMULATED DEBRIS FROM DEMOLITION ON OR AROUND THE ROOT ZONES OF EXISTING TREES AND SHRUBS.
- EXISTING TREES SHALL BE MONITORED WEEKLY AND IRRIGATED AS NEEDED DURING THE COURSE OF CONSTRUCTION.
- NO LIME OR OTHER SOIL TREATMENT SHALL BE APPLIED WITHOUT THE CONSENT OF A STANFORD GROUNDS CERTIFIED ARBORIST.
- ALL TRENCHING SHALL CONFORM TO THE FOLLOWING GUIDELINES.
  - STANFORD GROUNDS CERTIFIED ARBORIST IS REQUIRED TO BE PRESENT TO SUPERVISE ANY TRENCHING, DIGGING OR EXCAVATION OF ANY KIND WITHIN A TREE'S ROOT ZONE.
  - ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE SEVERED WITHOUT CALLING A STANFORD GROUNDS CERTIFIED ARBORIST FOR CUTTING OR REVIEW.
  - TUNNELING OR BORING UNDER ROOTS RATHER THAN PRUNING IS PREFERRED.
  - DIGGING WITHIN A TREE'S ROOT ZONE SHALL BE AVOIDED. IF IT IS NECESSARY, HAND DIGGING SHALL BE USED FOR ANY TRENCHING WITHIN THE TREE'S ROOT ZONE UNLESS OTHERWISE APPROVED BY A STANFORD GROUNDS CERTIFIED ARBORIST.
  - ALL ROOTS THAT NEED TO BE CUT SHALL BE PERPENDICULAR PRUNED CLEANLY, NOT TORN.

THE PRECEDING GUIDELINES SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE GREATER THE DISTANCE OF TREE PROTECTION PROVIDED THE GREATER THE INSTANCE OF TREE SUCCESS IN CONSTRUCTION AREAS.



- NOTES:
- THE DRIPLINE OF EACH TREE TO BE PROTECTED SHALL BE ENCLOSED WITH A 6' HIGH TEMPORARY FENCE. FENCE FABRIC SHALL BE HEAVY DUTY PERFORATED, BRIGHT COLORED, PLASTIC MESH. FENCE STAKES SHALL BE 8' HEAVY WEIGHT STEEL TEE FENCE POSTS DRIVEN 22" INTO GRADE.
  - METAL CHAIN LINK FENCING ON SECURE FOOTINGS IMBEDDED WHERE REQUIRED BY CAMPUS PLANNING AND DESIGN OFFICE OR SGCA SHALL BE USED AT ALL TIMES TO PROTECT TREES EXCEPT IN AREAS WHERE IT WILL NOT PHYSICALLY FIT. ONLY IN AREAS WHERE IT CANNOT PHYSICALLY BE PLACED, WILL ORANGE PLASTIC SNOW FENCING WRAPPED 2" THICK AROUND THE TRUNK BE ALLOWED, AND ONLY AS APPROVED BY AN SGCA.

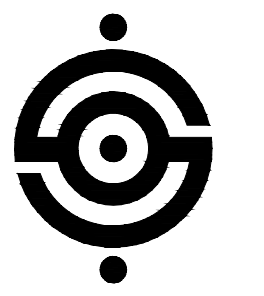
TREE PROTECTION DETAIL 1  
N.T.S.

SHEET NOTES

- REMOVAL, PROTECTION, AND RELOCATION OF ELECTRICAL UTILITIES AND WATER LINES ARE SHOWN FOR REFERENCE ONLY AND ARE NOT COVERED BY THE GRADING PERMIT.
- COORDINATE DEMOLITION WORK WITH STANFORD UNIVERSITY'S; ADHERE TO ALL THEIR REQUIREMENTS.
- DEMOLITION AND CONSTRUCTION WORK MAY BE PERFORMED OVER THE TOP OF AND AROUND COMMUNICATION AND POWER SERVICES. CONTRACTOR SHALL WORK BY HAND IN ALL AREAS WHERE THESE SERVICES MIGHT BE HARMED BY LARGER LESS PRECISE EQUIPMENT.
- THE CONTRACTOR SHALL LOCATE AND CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL UNDERGROUND UTILITIES, INCLUDING TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES, LOW TEMPERATURE HOT WATER AND CHILLED HOT WATER LINES THAT ARE IN OR NEAR THE AREA OF DEMOLITION.
- CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
- CONTRACTOR SHALL PAY DISPOSAL FEES.
- BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION OF FOUNDATIONS & UTILITIES TO EXISTING GRADE AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER, AND/OR UNIVERSITY FIELD CONSTRUCTION MANAGER (FCM).
- WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SHRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY UNIVERSITY'S REPRESENTATIVE AT DESIGNATED LOCATIONS.
- PRIOR TO BEGINNING DEMOLITION WORK, CONTRACTOR TO NOTIFY AND COORDINATE THE REMOVAL AND/OR ABANDONMENT OF ALL AFFECTED UTILITIES WITH THE FCM.
- CONTRACTOR RESPONSIBLE FOR PREPARING WASTE MANAGEMENT PLAN, TRAINING OF EMPLOYEES & SUBCONTRACTORS, AND ENSURING PROPER REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIALS.
- THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL UNIVERSITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE FCM IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, USA, FOR LOCATION AND MARKING OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION
- CONTRACTOR SHALL MAINTAIN THE EXISTING SITE AND STREETS IN A SAFE AND USABLE MANNER SUCH THAT EMERGENCY VEHICLE ACCESS IS AVAILABLE AT ALL TIMES. CONTRACTOR TO SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY FENCING, GATES, BARRICADES, SIGNAGE, AND PROVISIONS FOR ENSURING THE PROJECT'S SECURITY AND SAFE PASSAGEWAY AROUND IT.
- CONTRACTOR SHALL GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
- CONTRACTOR SHALL CLEAR AND GRUB WITHIN LIMIT OF WORK AS NEEDED TO PERFORM DEMOLITION ACTIVITIES.
- SAWCUT & REMOVE HARDSCAPE SUCH AS, BUT NOT LIMITED TO, AC PAVEMENT, CURB, SIDEWALK, ETC.
- TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE EXISTING UNDERGROUND UTILITY LINES TO REMAIN DURING DEMOLITION. CONTRACTOR TO HIRE AN INDEPENDENT UNDERGROUND UTILITY LOCATOR SERVICE TO LOCATE & PAINT UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO GRIND/ROUND CONCRETE EDGE AFTER SAWCUTTING TO MAINTAIN APPEARANCE AND SAFETY.
- CONTRACTOR SHALL SCHEDULE MEETING WITH STANFORD ARBORIST AND UA/CPD FOR REVIEW OF THE TREE PROTECTION PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR TO SCHEDULE MEETING WITH HIGH VOLTAGE SHOP PRIOR TO REMOVING ANY EXISTING PULLBOXES.

NOTES

- ALL UNDERGROUND UTILITIES, LANDSCAPE FEATURES, AND HARDSCAPE FEATURES IMPACTED OR DAMAGED BY THE CONTRACTOR OR THEIR SUB-CONTRACTORS SHALL BE REMOVED AND REPLACED IN KIND. ITEMS MAY INCLUDE, BUT NOT LIMITED TO, UNDERGROUND UTILITY AND IRRIGATION LINES, CURB, GUTTER, SIDEWALK, PAVEMENT, FENCING, STRIPING AND OTHER PAVEMENT MARKINGS, PLANTING, LANDSCAPING, AND BOLLARDS.
- PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS OTHERWISE NOTED. REPLACE ANY DAMAGED UTILITY TO REMAIN TO KEEP OPERABLE DURING CONSTRUCTION.
- TREES ADJACENT TO THE PROPOSED COVERING SHALL BE TRIMMED AS NEEDED TO CONSTRUCT IMPROVEMENTS. ALL TREE TRIMMING SHALL BE COMPLETED UNDER THE SUPERVISION OF THE PROJECT ARBORIST.



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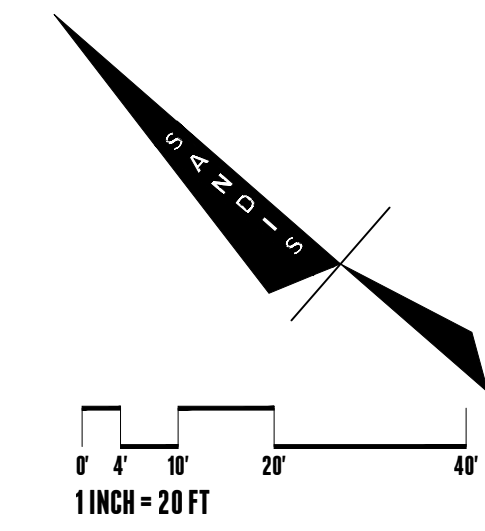
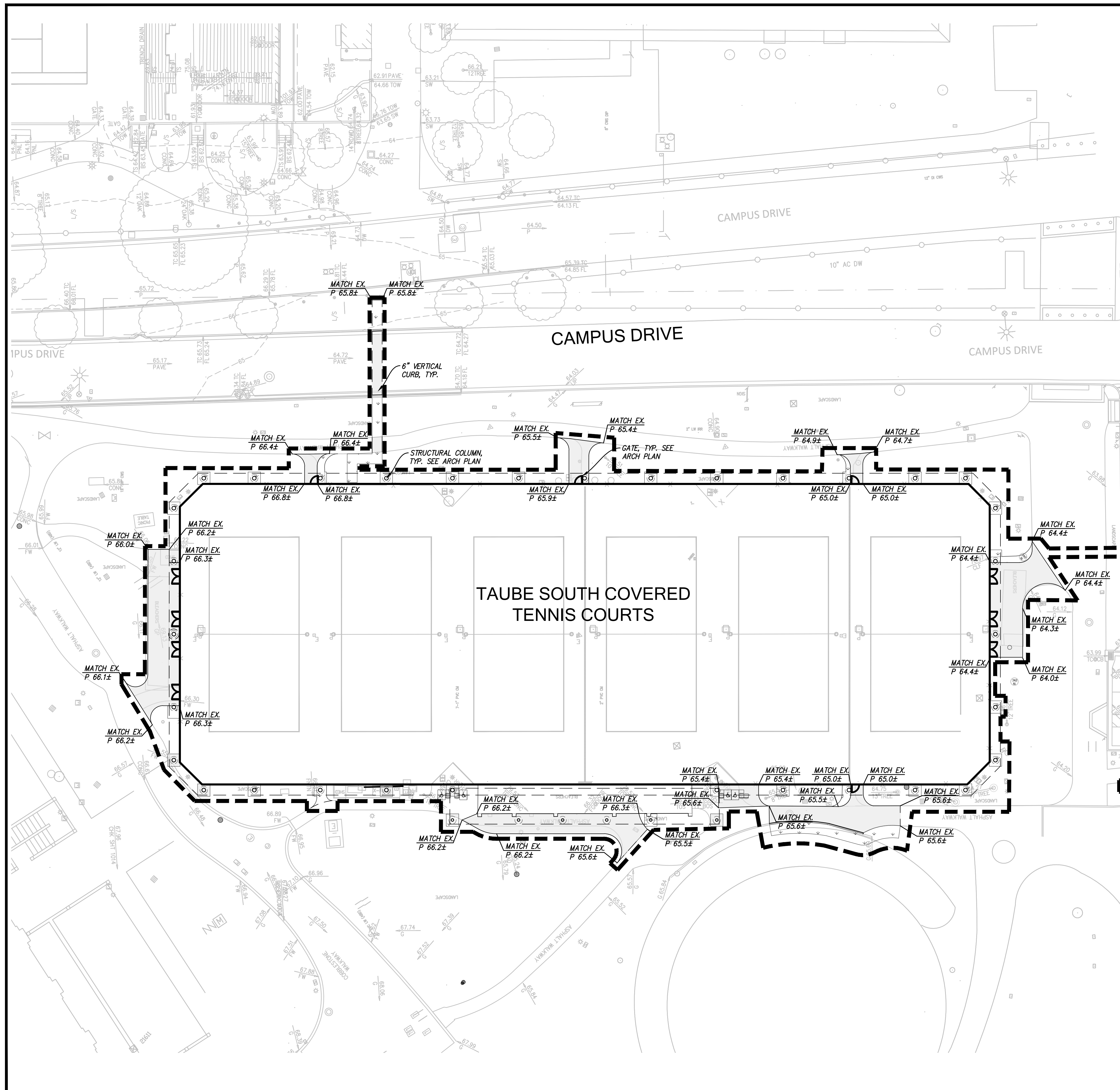
PROJECT NUMBER  
22020

SHEET TITLE  
**GRADING AND DRAINAGE PLAN**

SCALE  
AS NOTED

SHEET NUMBER

**C-4.0**



**LEGEND**

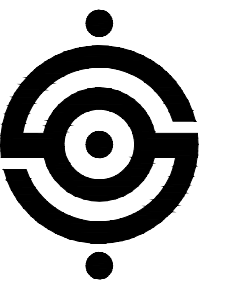
- LIMIT OF WORK
- LANDSCAPE AREA
- AC PAVEMENT

**GRADING NOTES**

1. PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING ALL HARDSCAPE SURFACES AT 2% AND VEGETATED SURFACES AT 5% AWAY FROM STRUCTURES UNLESS OTHERWISE NOTED ON PLANS.
2. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05'. HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE #1 OR THE ADA REQUIREMENTS BELOW. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER/ARCHITECT.
3. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
5. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTORS EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
8. AREAS LACKING TOPOGRAPHIC INFORMATION (ELEVATIONS) HAVE BEEN INTERPOLATED USING STANDARD ENGINEERING METHODS. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AT CONFORMS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REPORT BACK ANY DISCREPANCIES TO THE CIVIL ENGINEER.
9. ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.
10. ALL EXPOSED DISTURBED AREAS SHALL HAVE 2" OF SALVAGED TOPSOIL SPREAD ACROSS TOP SURFACE TO REESTABLISH LOCAL VEGETATION. THIS PROJECT DOES NOT USE ANY PLANTING OR IRRIGATION.
11. SITE IS KNOWN TO HAVE NATURALLY OCCURRING ASBESTOS, CONTRACTOR TO COMPLY WITH BAAQMD REQUIREMENTS AND THE REQUIREMENTS OF THE ASBESTOS MITIGATION PLAN. CONTRACTOR SHALL ALSO INCLUDE EMPLOYEE SAFETY MITIGATION MEASURES IN BID.

**ADA NOTES**

1. ALL HARDSCAPE ALONG THE ADA PATH OF TRAVEL SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE.
2. SLOPED WALKS ALONG THE DESIGNATED ADA PATH OF TRAVEL SHALL NOT EXCEED A SLOPE OF 1:20 (5%) WITHOUT HANDRAILS. THE MAXIMUM SLOPE WITH HANDRAILS OR FOR CURB RAMPS IS 1:12 (8.33%). LEVEL LANDINGS ARE REQUIRED AT THE TOP AND BOTTOM OF ALL SLOPED WALKWAYS AND RAMPS.
3. WALKWAYS ON ANY PATH OF TRAVEL SHALL HAVE A MINIMUM WIDTH OF 48". WALKWAYS AND ADA PARKING STALLS OR LOADING ZONES SHALL HAVE A 2% MAXIMUM CROSS SLOPE.
4. A LEVEL LANDING (2% MAX SLOPE) SHALL BE PROVIDED AT ALL ACCESSIBLE ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPEN ONTO THE LANDING.
5. RAMPS GREATER THAN 1:20 SLOPE AND EXCEEDING 30" IN VERTICAL ELEVATION CHANGE SHALL HAVE INTERMEDIATE LEVEL LANDINGS.
6. PROVIDE 22"x17" UNAUTHORIZED ADA PARKING SIGN STATING "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE."
7. REFER TO ARCH SITE PLAN FOR THE ACCESSIBLE ROUTE WITHIN THE SITE.



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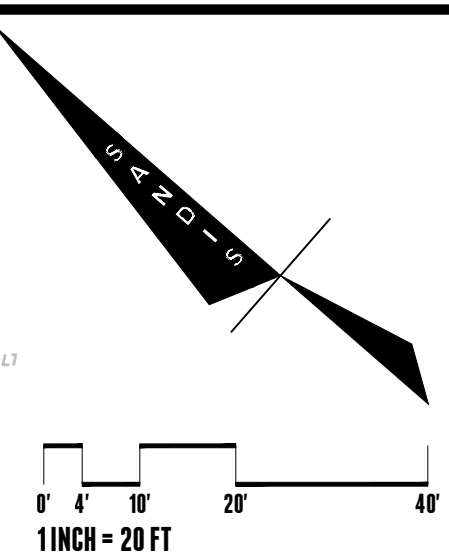
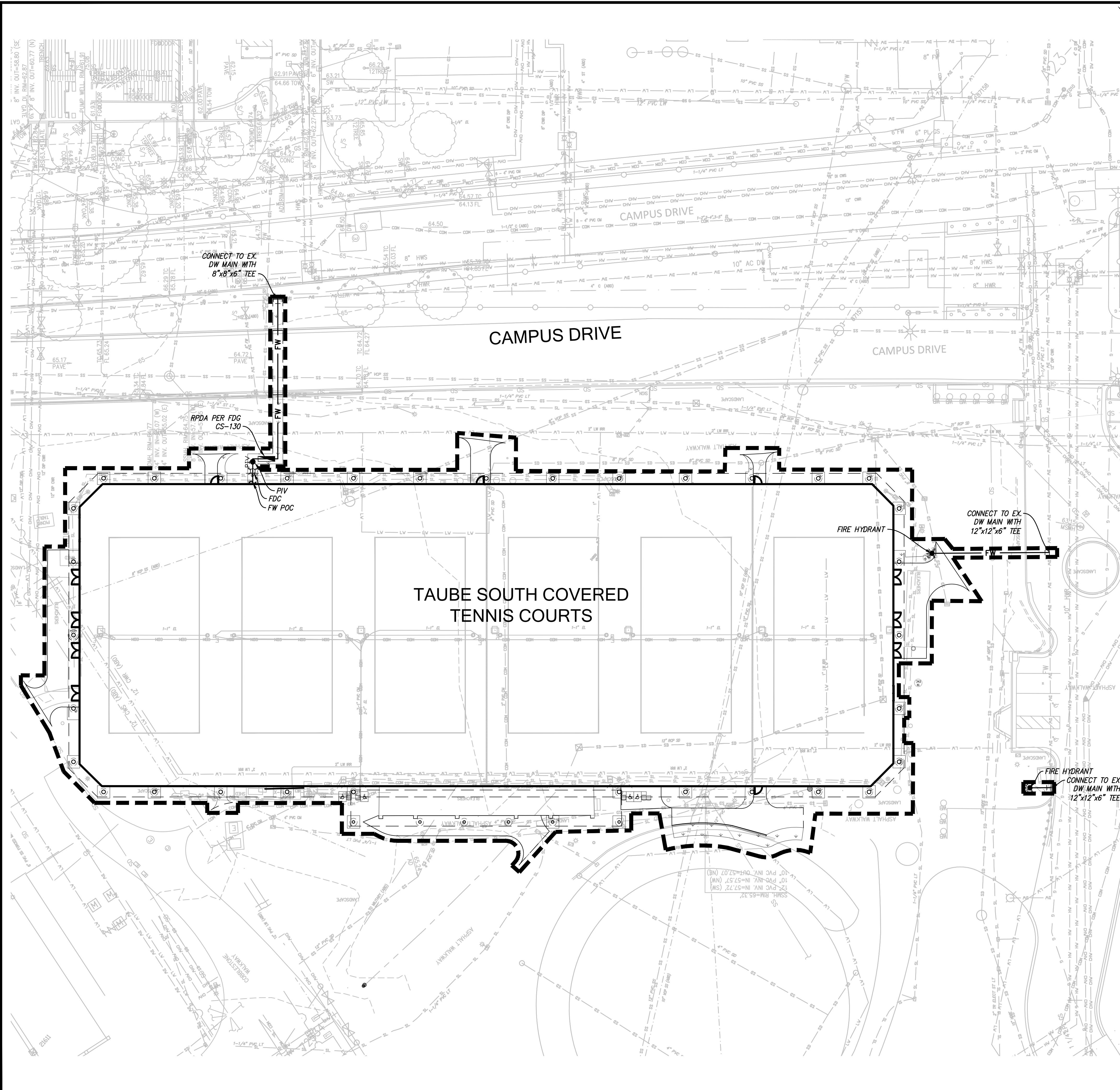
PROJECT NUMBER  
22020

SHEET TITLE  
UTILITY PLAN

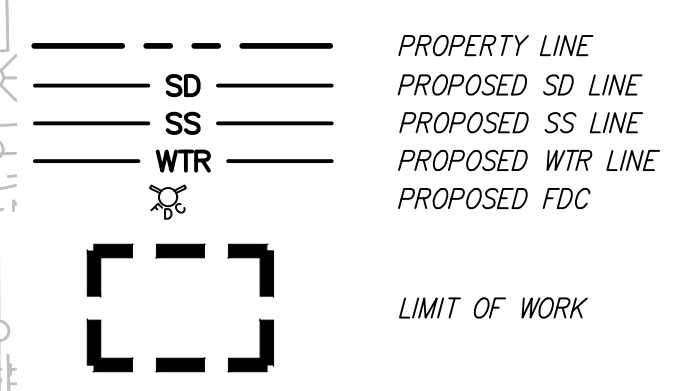
SCALE  
AS NOTED

SHEET NUMBER

C-5.0



**LEGEND**



**STORM DRAIN NOTES**

- PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 GREEN PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELLS AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- PRIVATE STORM DRAIN LINE 6-INCH THROUGH 12-INCH WITH LESS THAN THREE (3) FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED FOR 150 PSI CLASS PIPE. PROVIDE AND INSTALL "STORM DRAIN" MARKER TAPE FOR THE ENTIRE LENGTH OF PIPE TRENCH. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
- ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
- FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
- DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
- ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT PERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

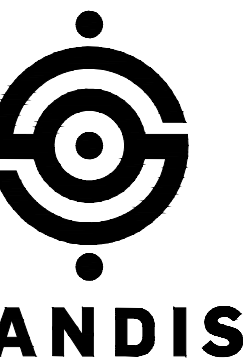
**SANITARY SEWER NOTES**

- ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
- PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS AND TEE'S ARE PROHIBITED.
- ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
- IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

**WATER SYSTEM NOTES**

- MAINTAIN WATER MAIN LINES 10" AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
- WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
- ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
- ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTE ORIGINAL AND UNPUBLISHED WORK OF THE ARCHITECT AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE ARCHITECT



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SHEET TITLE

STORMWATER MANAGEMENT  
PLAN  
SCALE

AS NOTED

SHEET NUMBER

C-6.0

### STORMWATER MANAGEMENT PLAN LEGEND

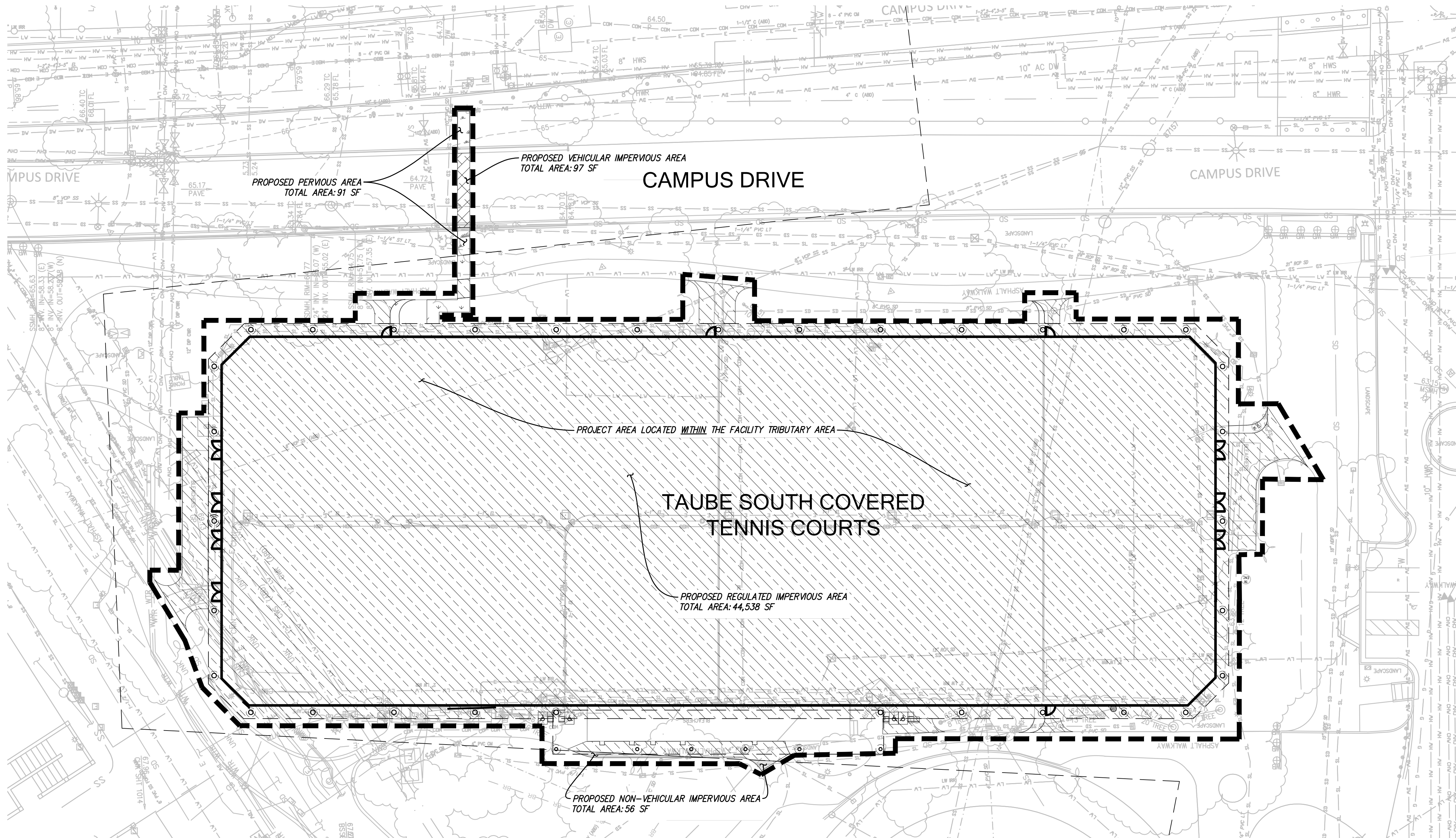
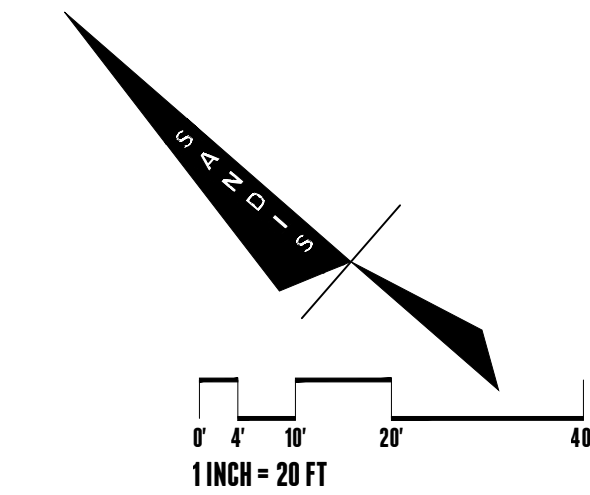
--- LIMIT OF WORK  
 - - - - - LIMIT OF THE REGIONAL CAPTURE TRIBUTARY AREA

- PROJECT AREA LOCATED OUTSIDE THE FACILITY TRIBUTARY AREA
  - PROPOSED NON-VEHICULAR IMPERVIOUS AREA
  - PROPOSED PERVIOUS AREA
  - PROPOSED VEHICULAR IMPERVIOUS AREA
- PROJECT AREA LOCATED WITHIN THE FACILITY TRIBUTARY AREA
  - PROPOSED NON-VEHICULAR IMPERVIOUS AREA
  - PROPOSED PERVIOUS AREA

	PROJECT IMPERVIOUS AREA SUMMARY*			TOTAL PROJECT AREA (SF)
	REGULATED IMPERVIOUS (1) (SF)	UNREGULATED IMPERVIOUS (2) (SF) VEHICULAR	NON-VEHICULAR	
EXISTING	0	0	41,294	44,730
PROPOSED	44,538	0	0	44,730
	IN-LIEU CREDIT USED (3) (SF)			
	97	56		

**Notes:**

- \* For the portion of the project area located within a C.3 regional stormwater capture facility tributary area. Portions of the project located outside of the tributary area are documented in the 2nd table only as in-lieu.
- (1) Regulated Impervious is all new or replaced impervious areas located within the regional capture tributary area required to be treated per MRP section C.3. It also includes existing impervious area already requiring treatment or existing impervious area that is required to be treated under the 50% rule.
- (2) Unregulated Impervious is existing impervious, located within the regional capture tributary area, that is not required to be treated per MRP section C.3. It also includes new impervious area that is not required to be treated per MRP section C.3.
- (3) In-Lieu Credit Used is the portion of regulated impervious, located outside the regional capture tributary area, that is meeting MRP section C.3 using in-lieu credits from regional stormwater treatment facilities.



#### SITE TREATMENT AREA NOTE:

THIS PROJECT IS REPLACING MORE THAN 50% OF THE EXISTING IMPERVIOUS AREA WITHIN THE STANFORD COVERED TENNIS PROJECT LIMITS, THEREFORE THE PROJECT WILL TREAT ALL THE IMPERVIOUS AREA WITHIN THE PROJECT LIMIT.

#### STORMWATER MANAGEMENT NOTES:

1. THIS PLAN PRESENTS METHODS AND CALCULATIONS FOR COMPLYING WITH THE REQUIREMENTS OF PROVISION C.3 OF THE MUNICIPAL REGIONAL STORMWATER PERMIT IN ACCORDANCE WITH THE SANTA CLARA COUNTY PROGRAM AND THE STANFORD REQUIREMENTS.
2. C.3 TREATMENT REQUIREMENTS FOR THIS PROJECT WILL BE ADDRESSED UTILIZING IN-LIEU CAPACITY CREDITS PROVIDED BY THE FELT LAKE (EAST CAMPUS) STORM WATER CAPTURE SYSTEM (COUNTY FILE NOS. 11044-17C3 AND AR23-0480).

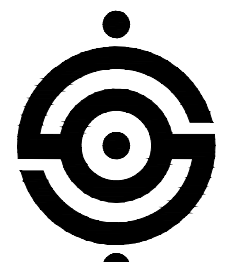
#### DRAINAGE AREA:

PROPOSED IMPERVIOUS	44,594 SF
PROPOSED PERVIOUS	283 SF
REPLACED VEHICULAR IMPERVIOUS	97 SF
TOTAL	44,974 SF

#### EXISTING AND PROPOSED AREA QUANTITIES

	EXISTING	PROPOSED
IMPERVIOUS	41,447 SF	44,691 SF
PERVIOUS	3,527 SF	283 SF
TOTAL	44,974 SF	44,974 SF

Project Name: Covered Tennis Courts  
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 Stanford CA, 94305  
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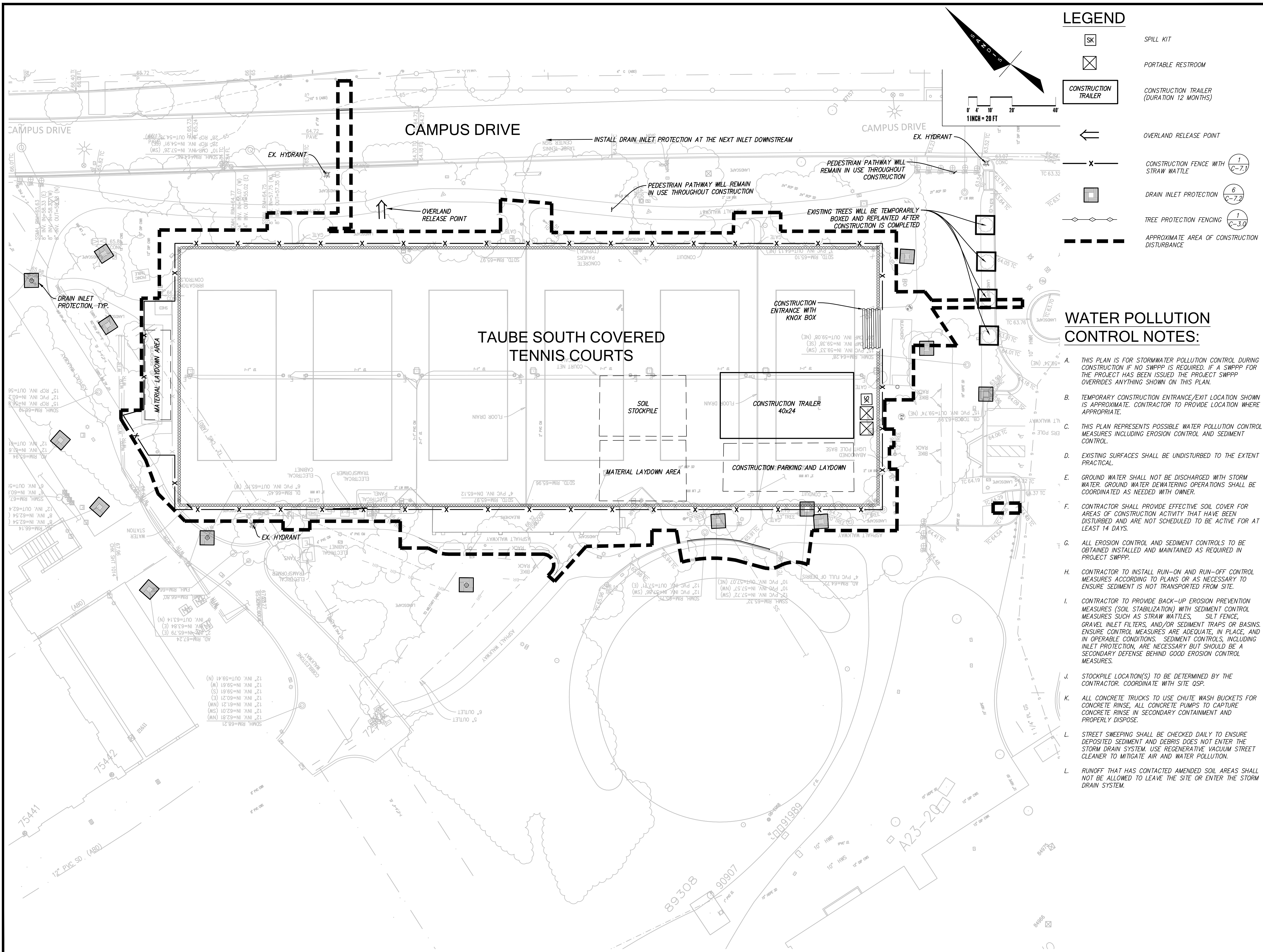
SHEET TITLE  
**EROSION CONTROL PLAN**

SCALE

AS NOTED

SHEET NUMBER

**C-7.0**



**WATER POLLUTION CONTROL NOTES:**

- A. THIS PLAN IS FOR STORMWATER POLLUTION CONTROL DURING CONSTRUCTION IF NO SWPPP IS REQUIRED. IF A SWPPP FOR THE PROJECT HAS BEEN ISSUED, THE PROJECT SWPPP OVERRIDES ANYTHING SHOWN ON THIS PLAN.
- B. TEMPORARY CONSTRUCTION ENTRANCE/EXIT LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO PROVIDE LOCATION WHERE APPROPRIATE.
- C. THIS PLAN REPRESENTS POSSIBLE WATER POLLUTION CONTROL MEASURES INCLUDING EROSION CONTROL AND SEDIMENT CONTROL.
- D. EXISTING SURFACES SHALL BE UNDISTURBED TO THE EXTENT PRACTICAL.
- E. GROUND WATER SHALL NOT BE DISCHARGED WITH STORM WATER. GROUND WATER DEWATERING OPERATIONS SHALL BE COORDINATED AS NEEDED WITH OWNER.
- F. CONTRACTOR SHALL PROVIDE EFFECTIVE SOIL COVER FOR AREAS OF CONSTRUCTION ACTIVITY THAT HAVE BEEN DISTURBED AND ARE NOT SCHEDULED TO BE ACTIVE FOR AT LEAST 14 DAYS.
- G. ALL EROSION CONTROL AND SEDIMENT CONTROLS TO BE OBTAINED INSTALLED AND MAINTAINED AS REQUIRED IN PROJECT SWPPP.
- H. CONTRACTOR TO INSTALL RUN-ON AND RUN-OFF CONTROL MEASURES ACCORDING TO PLANS OR AS NECESSARY TO ENSURE SEDIMENT IS NOT TRANSPORTED FROM SITE.
- I. CONTRACTOR TO PROVIDE BACK-UP EROSION PREVENTION MEASURES (SOIL STABILIZATION) WITH SEDIMENT CONTROL MEASURES SUCH AS STRAW WATTLES, SILT FENCE, GRAVEL INLET FILTERS, AND/OR SEDIMENT TRAPS OR BASINS. ENSURE CONTROL MEASURES ARE ADEQUATE, IN PLACE, AND IN OPERABLE CONDITIONS. SEDIMENT CONTROLS, INCLUDING INLET PROTECTION, ARE NECESSARY BUT SHOULD BE A SECONDARY DEFENSE BEHIND GOOD EROSION CONTROL MEASURES.
- J. STOCKPILE LOCATION(S) TO BE DETERMINED BY THE CONTRACTOR. COORDINATE WITH SITE O&P.
- K. ALL CONCRETE TRUCKS TO USE CHUTE WASH BUCKETS FOR CONCRETE RINSE. ALL CONCRETE PUMPS TO CAPTURE CONCRETE RINSE IN SECONDARY CONTAINMENT AND PROPERLY DISPOSE.
- L. STREET SWEEPING SHALL BE CHECKED DAILY TO ENSURE DEPOSITED SEDIMENT AND DEBRIS DOES NOT ENTER THE STORM DRAIN SYSTEM. USE REGENERATIVE VACUUM STREET CLEANER TO MITIGATE AIR AND WATER POLLUTION.
- L. RUNOFF THAT HAS CONTACTED AMENDED SOIL AREAS SHALL NOT BE ALLOWED TO LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.

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COUNTY BMP NOTES

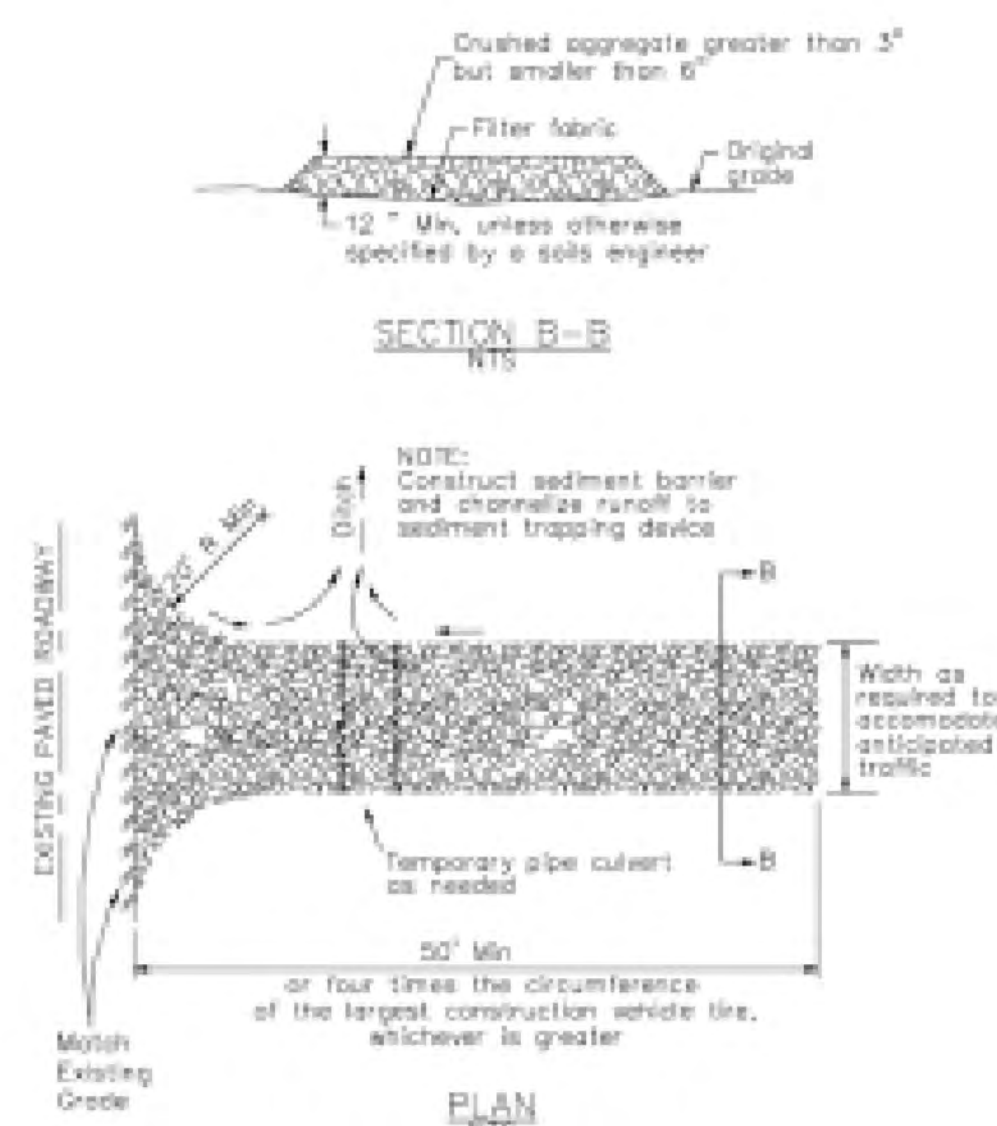
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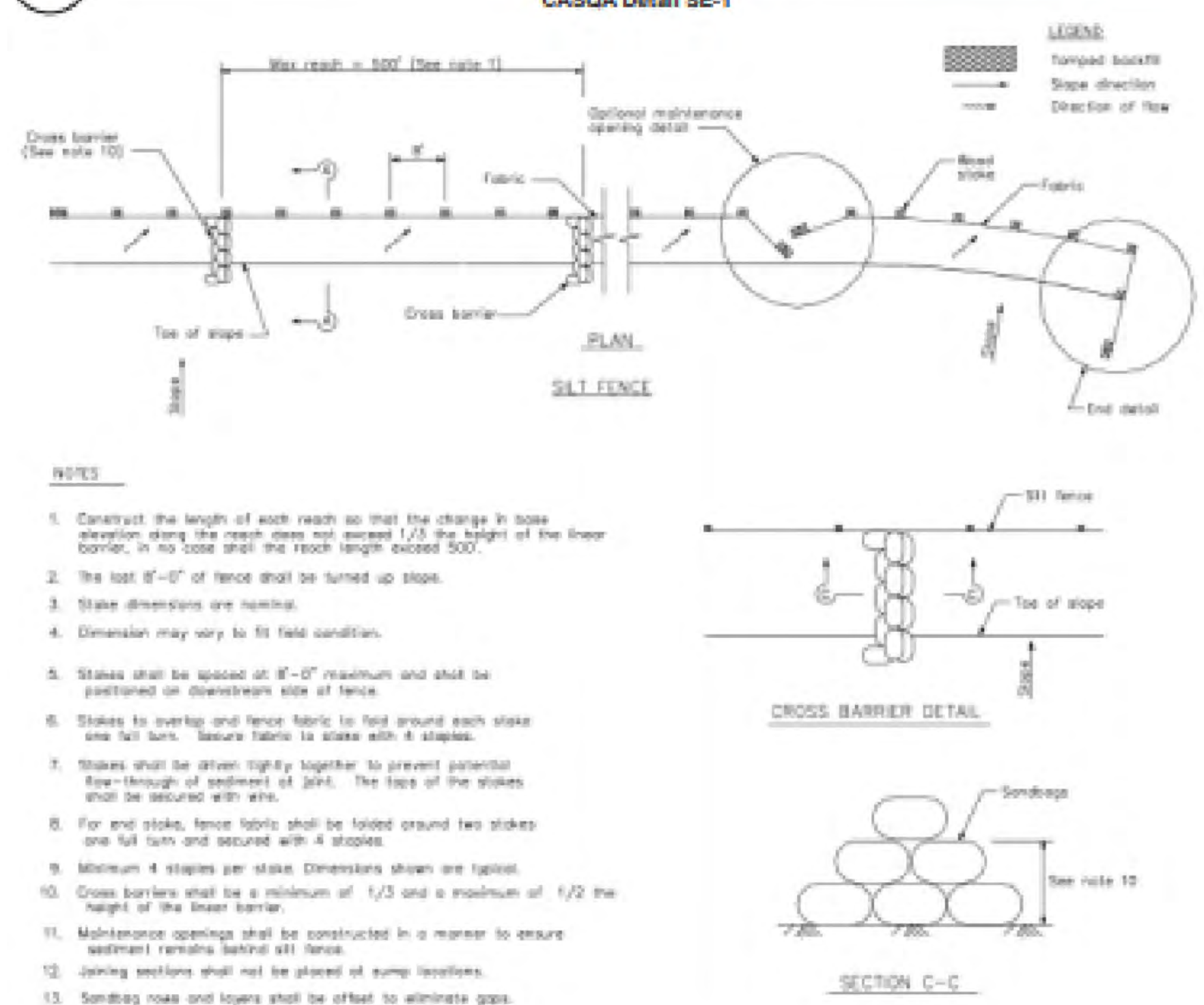
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Project Information

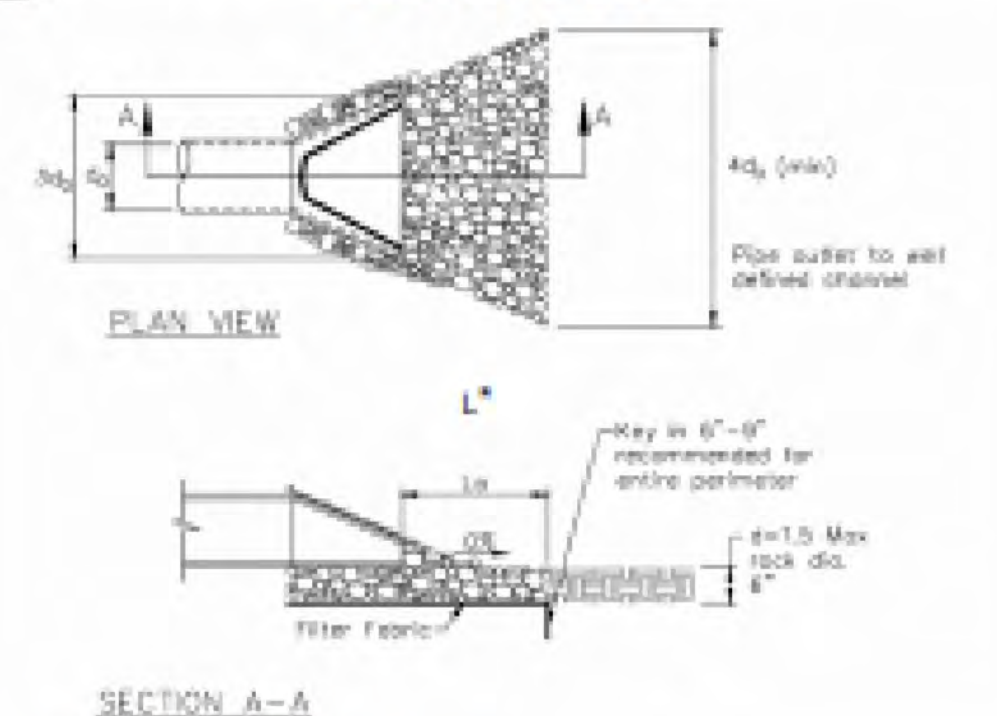
**3 Stabilized Construction Entrance/Exit**  
CASQA Detail TC-1



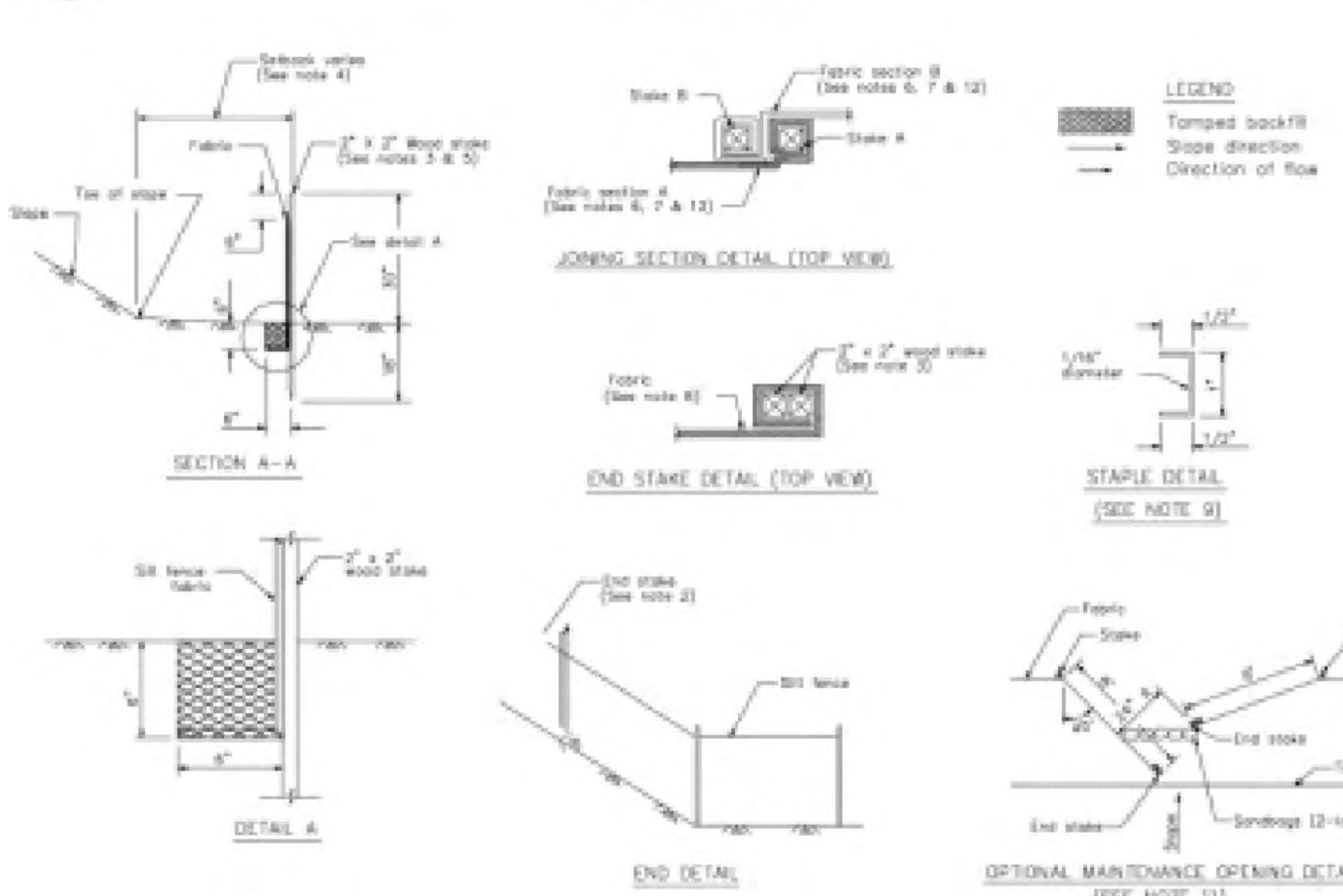
**1 Silt Fence**  
CASQA Detail SE-1



**4 Velocity Dissipation Devices**  
CASQA Detail EC-10



**2 Silt Fence**  
CASQA Detail SE-1



**STANDARD BEST MANAGEMENT PRACTICE NOTES**

- Solid and Hazardous Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material handler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollutants and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

**STANDARD EROSION CONTROL NOTES**

- Sediment Control Management:**
  - Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
  - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber soles or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
  - Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
  - Dust Control:** The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
  - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (taps, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.



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 Quad/ Bldg. Number: 08-025



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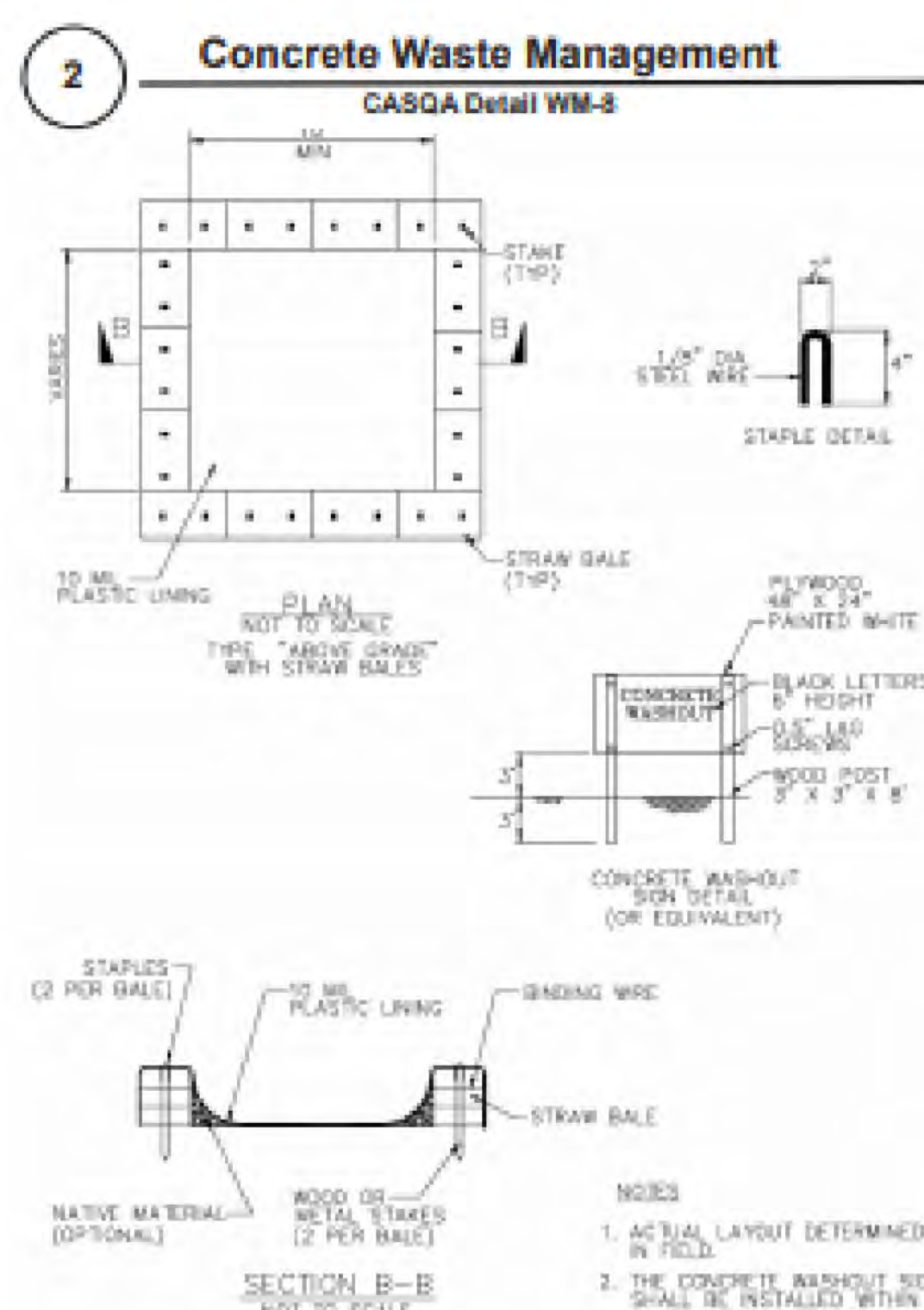
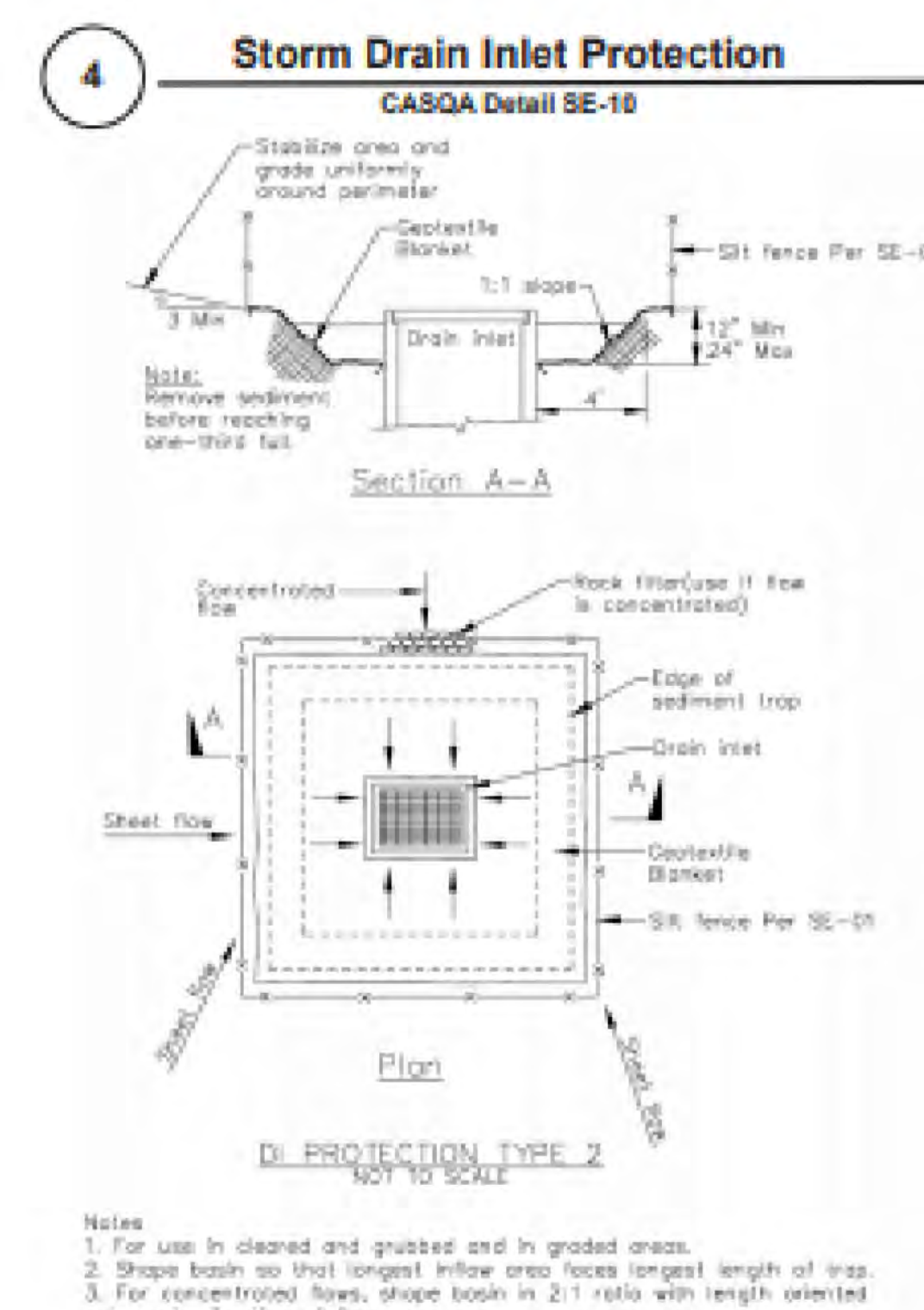
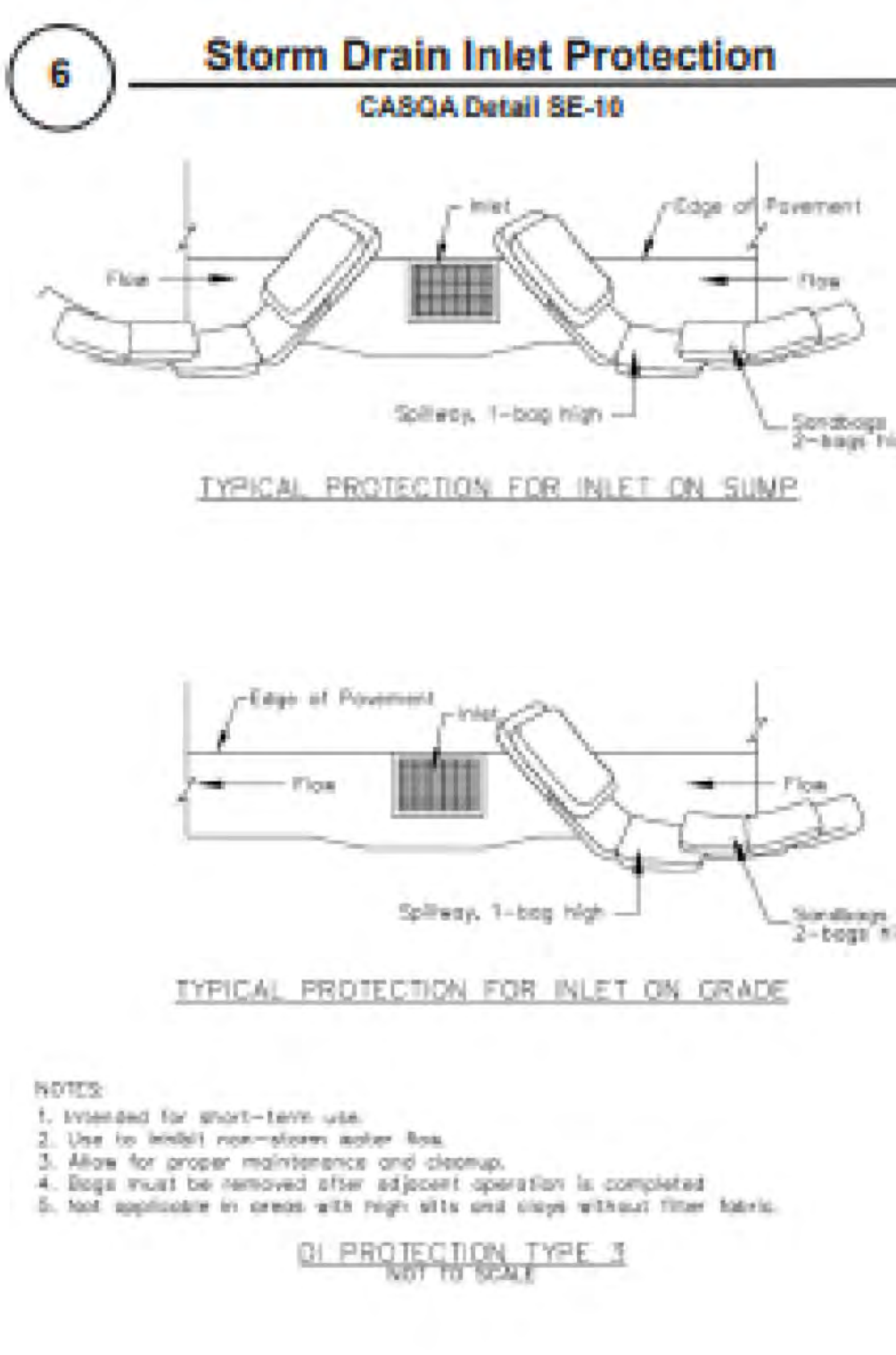
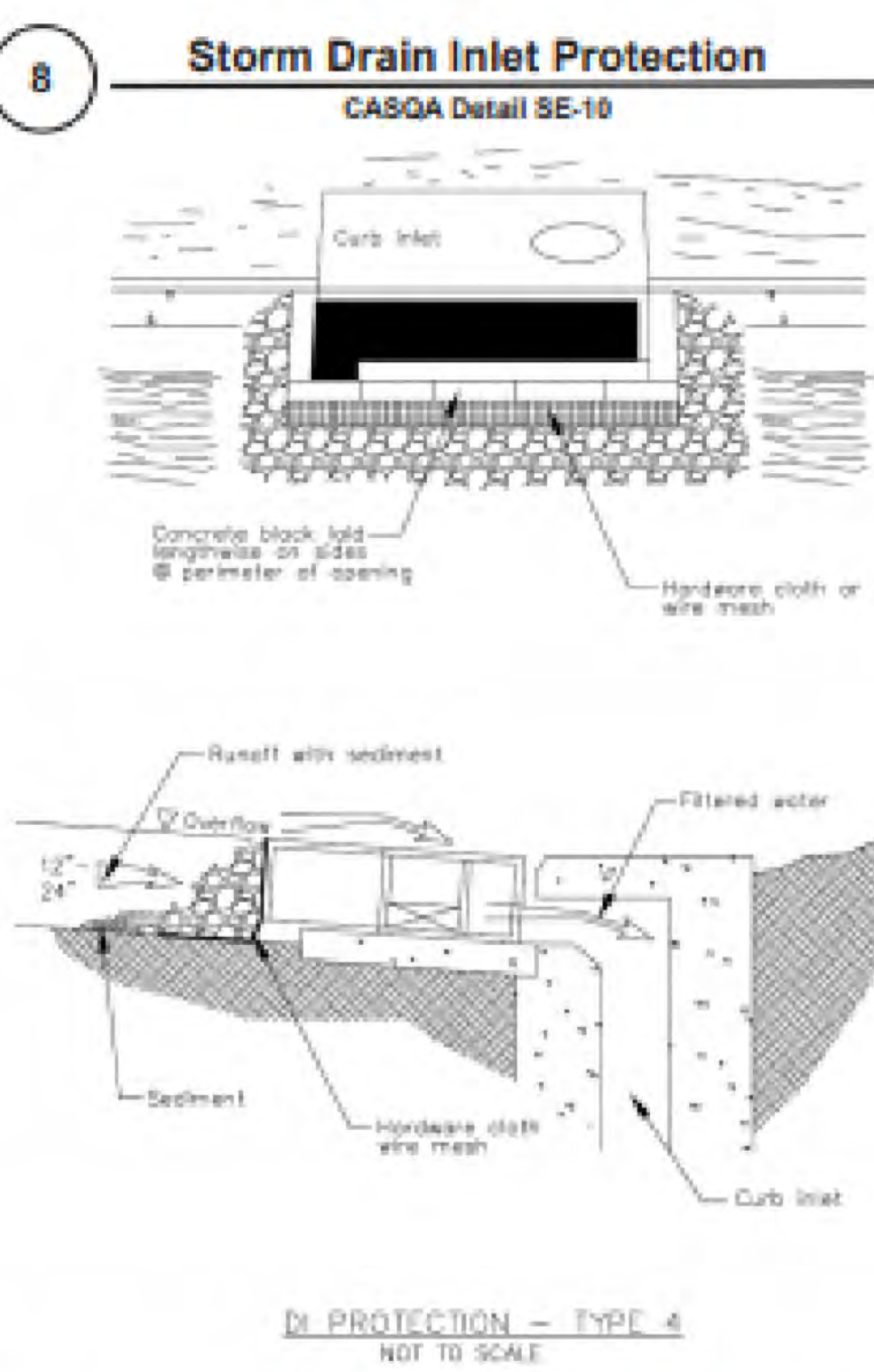
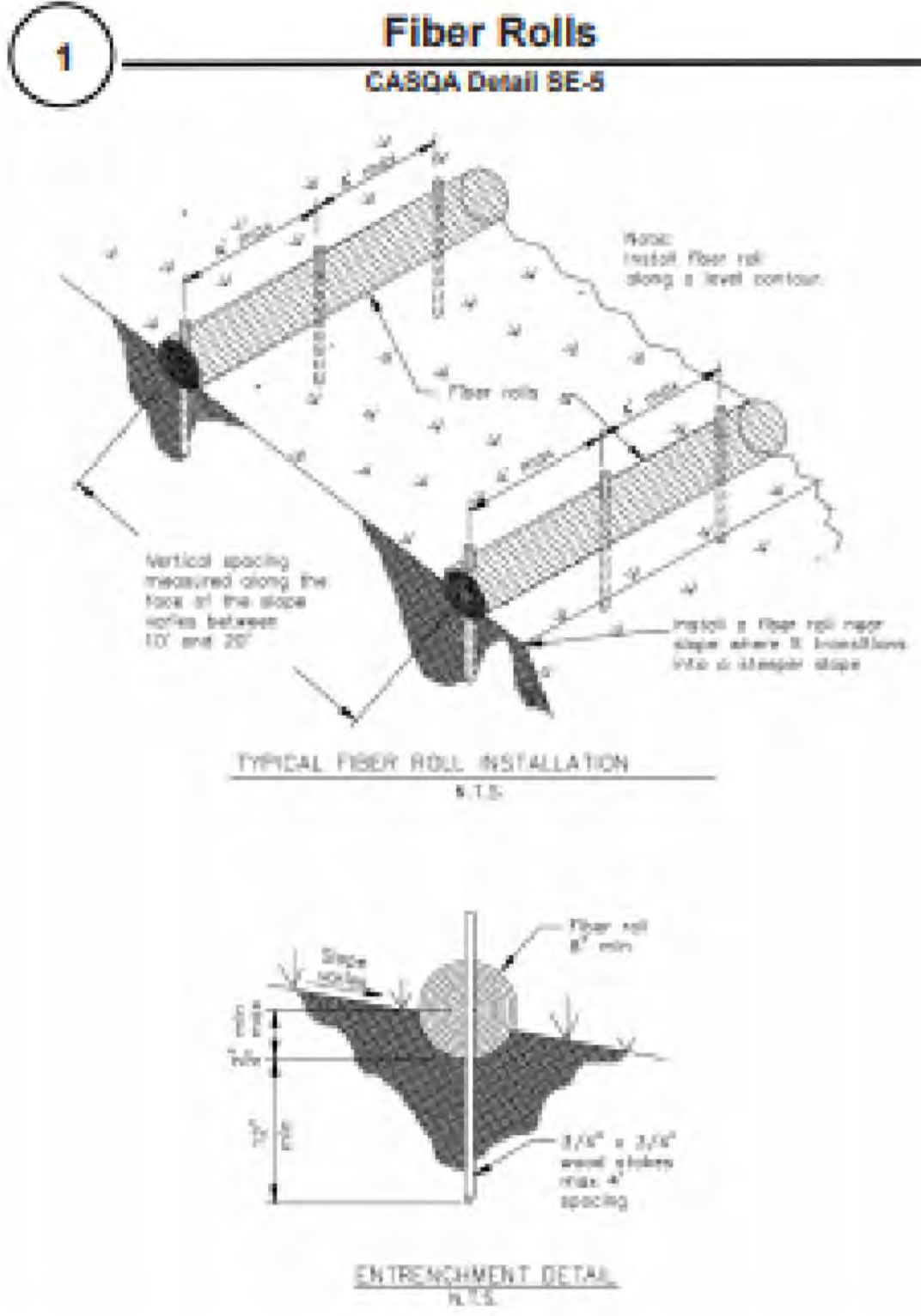
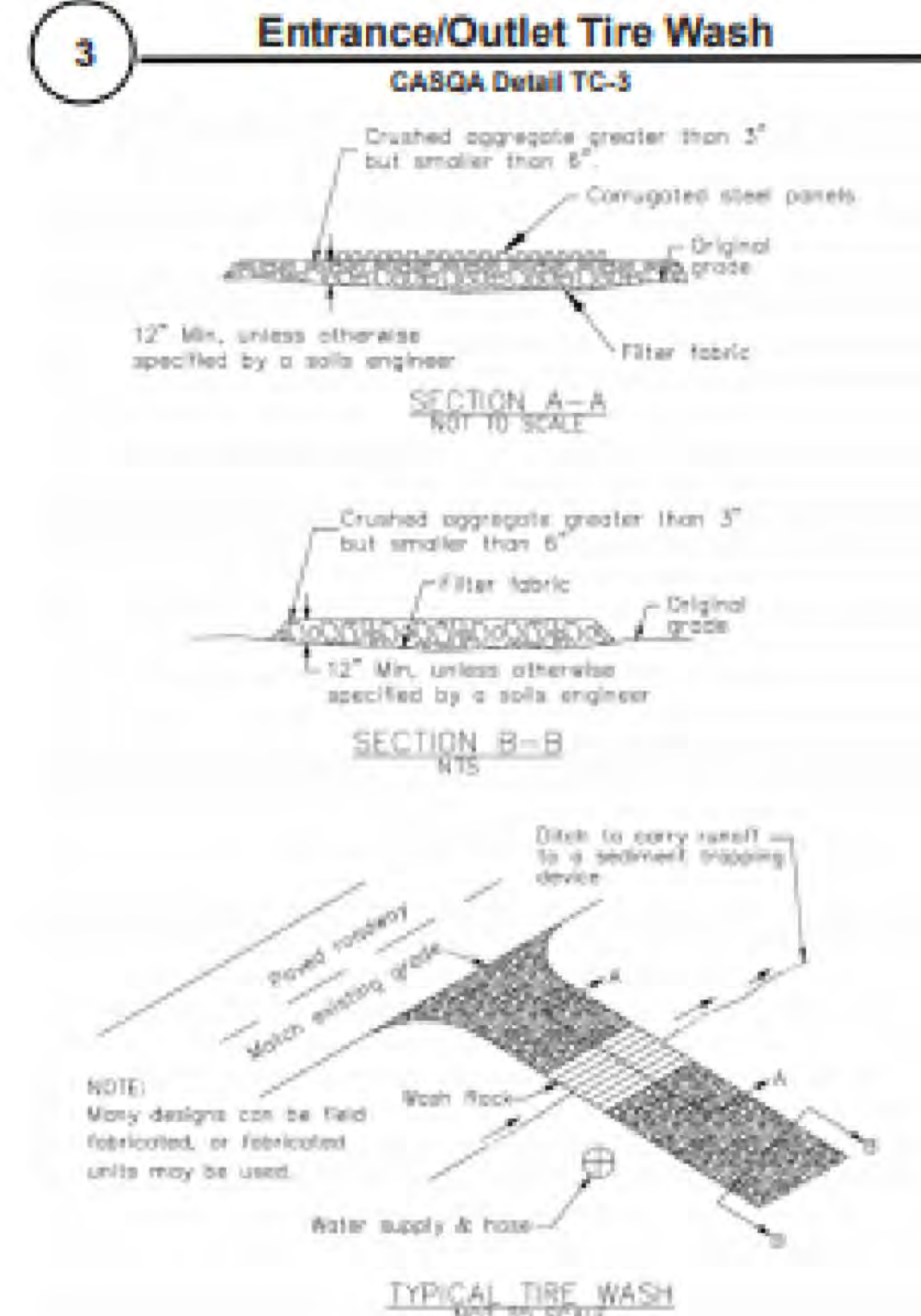
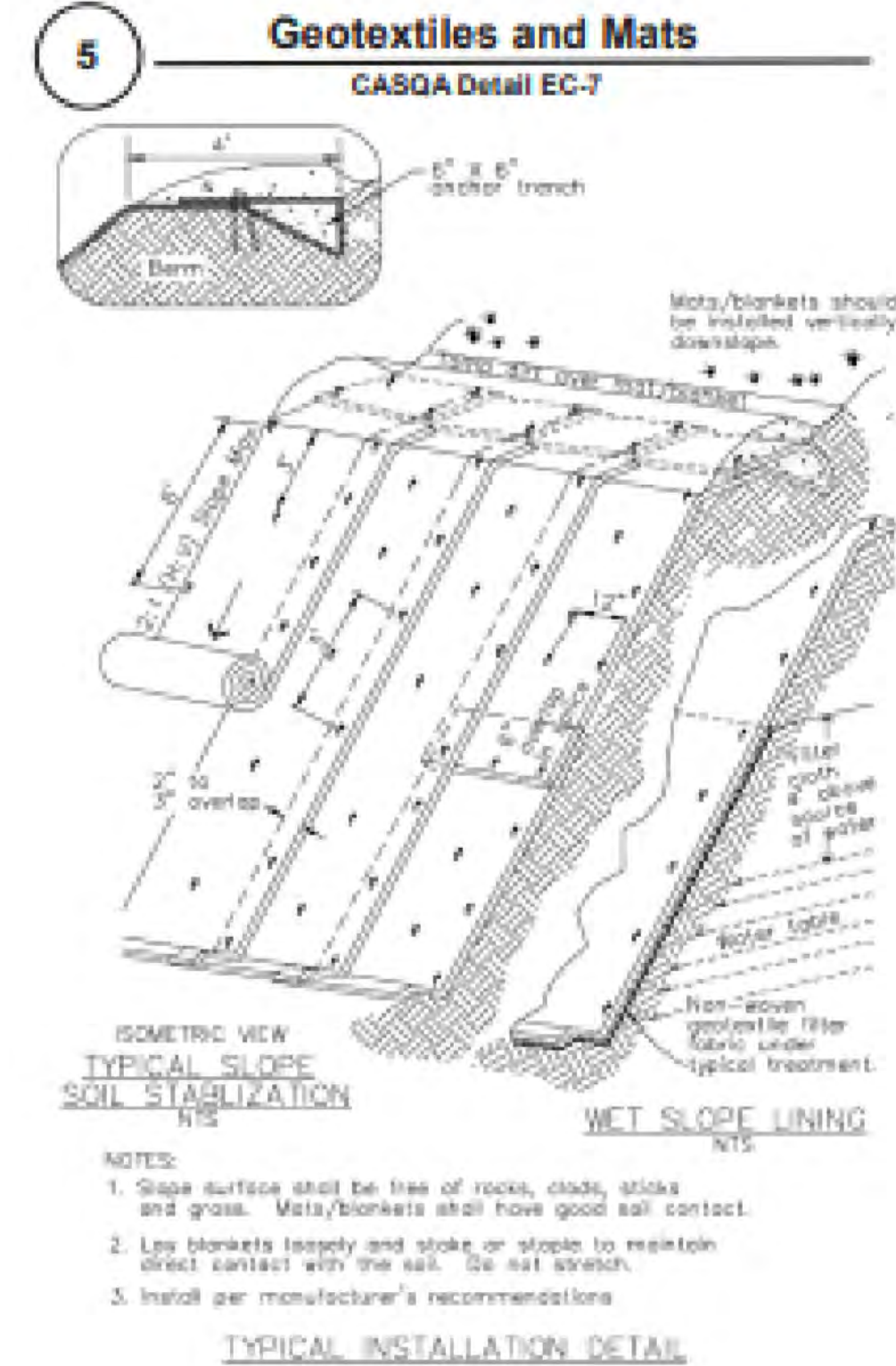
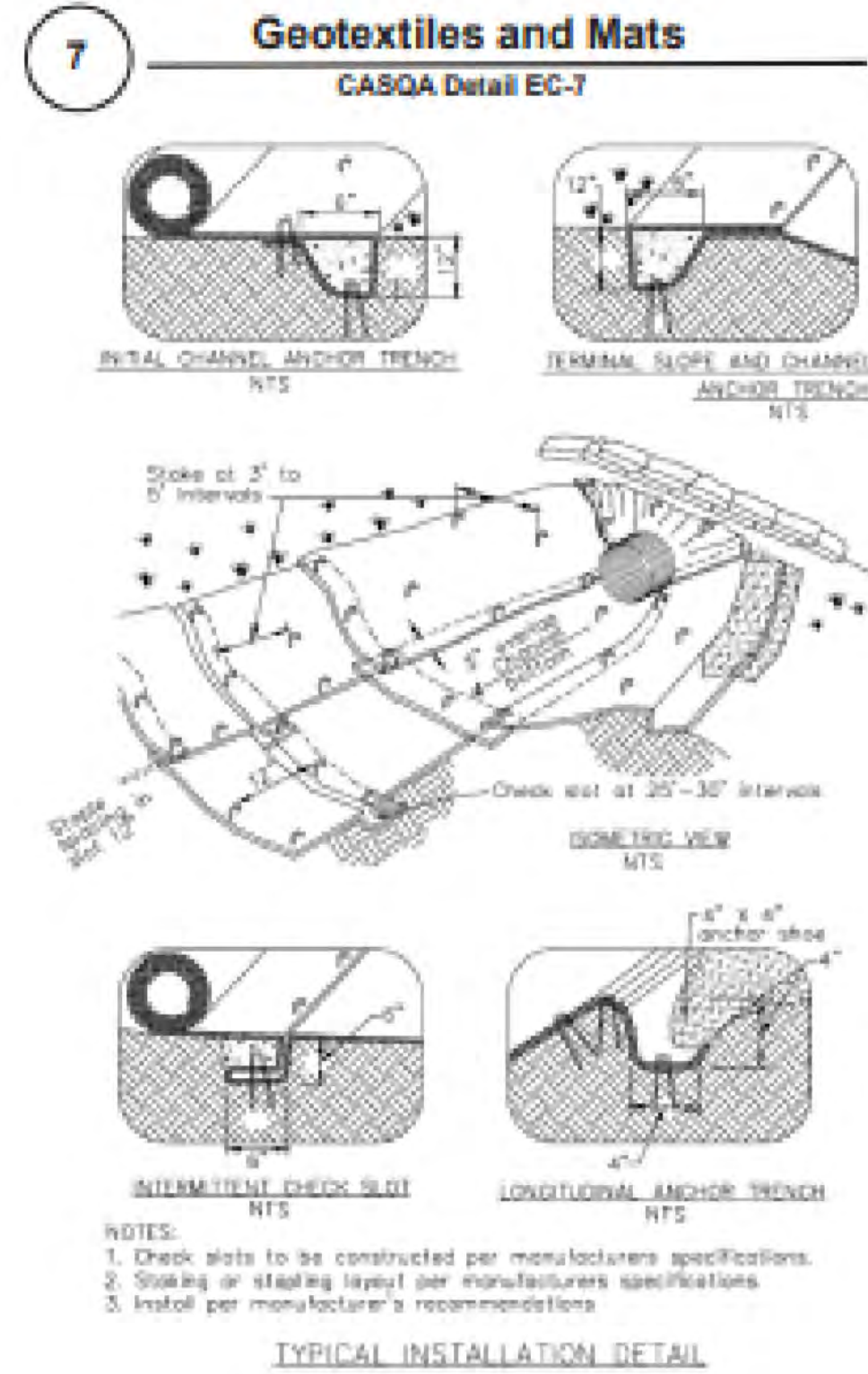
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SHEET TITLE  
COUNTY BMP NOTES

SCALE  
N.T.S.

SHEET NUMBER

Project Information



Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.csbmhandbooks.com.





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SHEET TITLE

**CONSTRUCTION SITE  
 LOGISTICS/SAFETY PLAN**  
 SCALE

AS NOTED

SHEET NUMBER

**C-8.0**

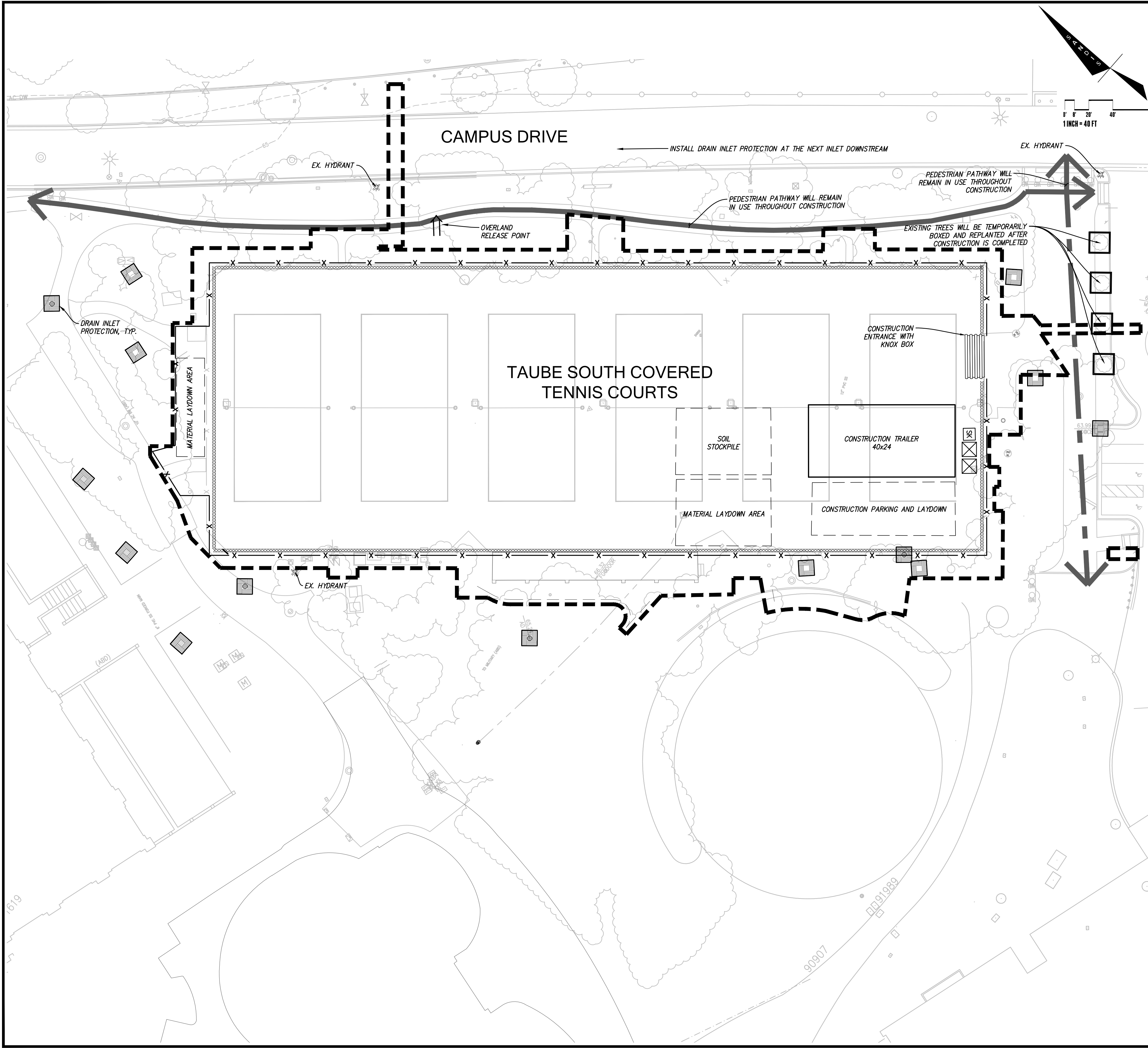
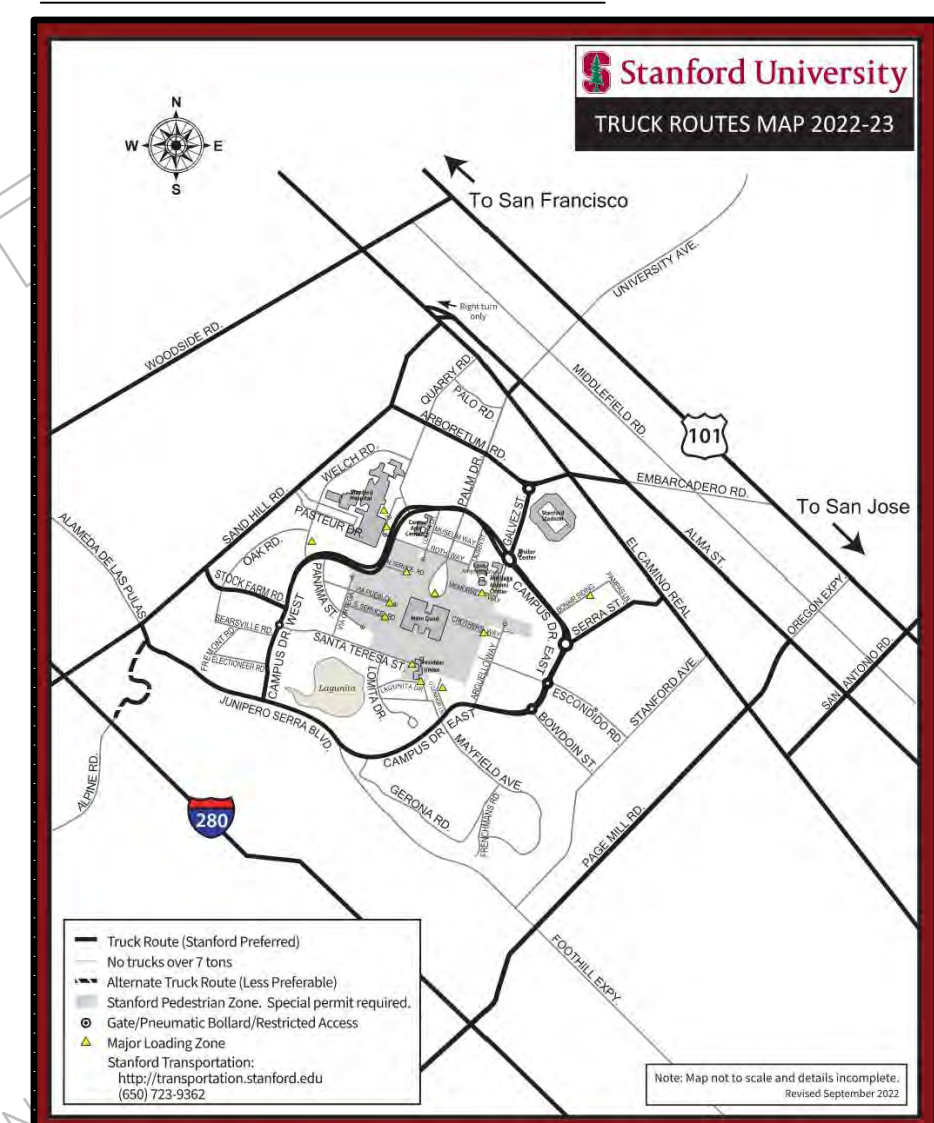
**LEGEND:**

- CONSTRUCTION/FIRE TRUCK ACCESS ROUTES
- TEMPORARY CONSTRUCTION FENCE/ LIMIT OF WORK
- EXISTING TREE TO REMAIN, SEE DETAIL 1, SHEET C-3.0 FOR PROTECTION REQUIREMENTS
- EXISTING FIRE HYDRANT
- PORTABLE RESTROOM
- SPILL KIT
- CONSTRUCTION TRAILER (DURATION 12 MONTHS)
- PEDESTRIAN CROSSING
- LIMIT OF WORK
- FIBER ROLLS

**CONSTRUCTION NOTES:**

1. CONSTRUCTION DELIVERY TIMES / ROUTES
  - A. CONSTRUCTION MATERIALS AND FILL DIRT DELIVERED FROM OFF CAMPUS SHALL NOT BE DELIVERED BETWEEN THE HOURS OF 7:00 AM AND 9:00 AM AND 4:00 PM TO 6:00 PM ON WEEKDAYS.
  - B. TRUCKS BRINGING IN FILL DIRT AND BUILDING MATERIALS FOR THE PROJECT FROM OFF-SITE SHALL BE REQUIRED TO USE TRUCK ROUTES SHOWN ON FIGURE 3 OF THE INITIAL STUDY AS DESIGNATED BY THE CITIES OF PALO ALTO AND MENLO PARK.
4. NOISE CONTROL  
 CONSTRUCTION PRACTICES SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA NOISE CONTROL ORDINANCE AND ARE TO BE MONITORED BY THE GENERAL CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE SUP REQUIRES THE FOLLOWING MEASURES TO REDUCE OPERATIONAL NOISE DURING CONSTRUCTION.
  - A. MECHANICAL EQUIPMENT WITHIN 50 FEET OF A RESIDENCE SHALL BE ACOUSTICALLY ENGINEERED.
  - B. THE BUILDING DESIGN SHALL INCORPORATE DESIGN MEASURES TO LOCATE NOISE SOURCES SUCH AS LOADING ZONES, TRASH BINS AND MECHANICAL EQUIPMENT AS FAR AWAY FROM NOISE SENSITIVE RECEPTORS AS POSSIBLE.
  - C. ALL OPERATIONAL NOISE SOURCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE.
  - D. THE CONTRACTOR SHALL COORDINATE PLANNED CLASSROOM RELOCATIONS PRIOR TO DEMOLITION OR SITE PREPARATION.
  - E. FOR CONSTRUCTION ACTIVITIES THAT WOULD AFFECT SENSITIVE NOISE RECEPTORS OFF-CAMPUS OR IN AREAS DESIGNATED CAMPUS RESIDENTIAL IN THE COMMUNITY PLAN, THE CONTRACTOR SHALL GIVE ADVANCED REGULAR NOTIFICATION OF CONSTRUCTION ACTIVITY SCHEDULED TO THE POTENTIALLY AFFECTED RESIDENTS.
5. CONTRACTOR TO PROVIDE A MINIMUM OF ONE 2-A-20-B-C PORTABLE FIRE EXTINGUISHER WITHIN 30 FEET OF THE LOCATION WHERE HOT WORK IS PERFORMED, IN ACCORDANCE WITH CFC 2604.2.6. ADDITIONALLY, STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NO LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER SIZED FOR NOT LESS THAN ORDINARY HAZARD AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED, IN EVERY STORAGE/CONSTRUCTION SHED, AND WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN ACCORDANCE WITH CFC 1415.1.
6. CONTRACTOR SHALL RESTORE ALL AREAS ADJACENT TO THE SITE THAT HAVE BEEN IMPACTED BY CONSTRUCTION OF THIS PROJECT. AREAS IMPACTED BY CONSTRUCTION MAY INCLUDE AREAS AT THE EDGE OF SITES AND BEYOND THE LIMIT OF WORK SHOWN ON THE PROJECT PLANS.
7. CONSTRUCTION PARKING SHALL BE LOCATED IN THE EL CAMINO GROVE PARKING LOT.
8. CONSTRUCTION FENCE WILL BE ADJUSTED AS NEEDED DURING CONSTRUCTION TO FACILITATE INSTALLATION OF IMPROVEMENTS. FENCE LOCATION WILL BE COORDINATED WITH STANFORD TO MAINTAIN PEDESTRIAN CIRCULATION.

**TRUCK ROUTES MAP**





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PROJECT NUMBER  
22020

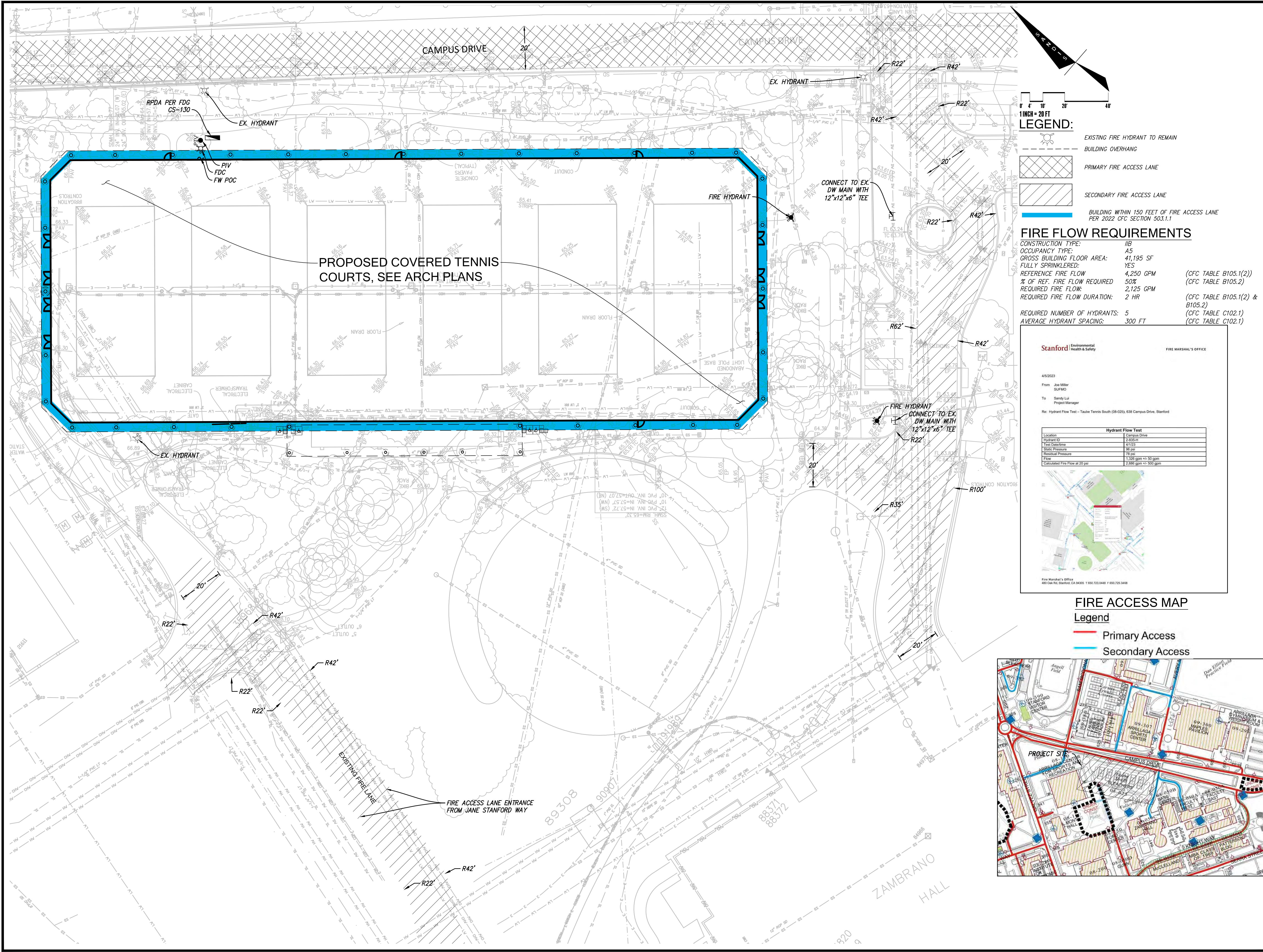
SHEET TITLE  
FIRE ACCESS PLAN

SCALE

AS NOTED

SHEET NUMBER

C-9.0



LEGEND:

- EXISTING FIRE HYDRANT TO REMAIN
- BUILDING OVERHANG
- PRIMARY FIRE ACCESS LANE
- SECONDARY FIRE ACCESS LANE
- BUILDING WITHIN 150 FEET OF FIRE ACCESS LANE PER 2022 CFC SECTION 503.1.1

FIRE FLOW REQUIREMENTS

CONSTRUCTION TYPE:	IIB	
OCCUPANCY TYPE:	A5	
GROSS BUILDING FLOOR AREA:	41,195 SF	
FULLY SPRINKLERED:	YES	
REFERENCE FIRE FLOW:	4,250 GPM	(CFC TABLE B105.1(2))
% OF REF. FIRE FLOW REQUIRED:	50%	(CFC TABLE B105.2)
REQUIRED FIRE FLOW:	2,125 GPM	
REQUIRED FIRE FLOW DURATION:	2 HR	(CFC TABLE B105.1(2) & B105.2)
REQUIRED NUMBER OF HYDRANTS:	5	(CFC TABLE C102.1)
AVERAGE HYDRANT SPACING:	300 FT	(CFC TABLE C102.1)

Stanford Environmental Health & Safety FIRE MARSHAL'S OFFICE

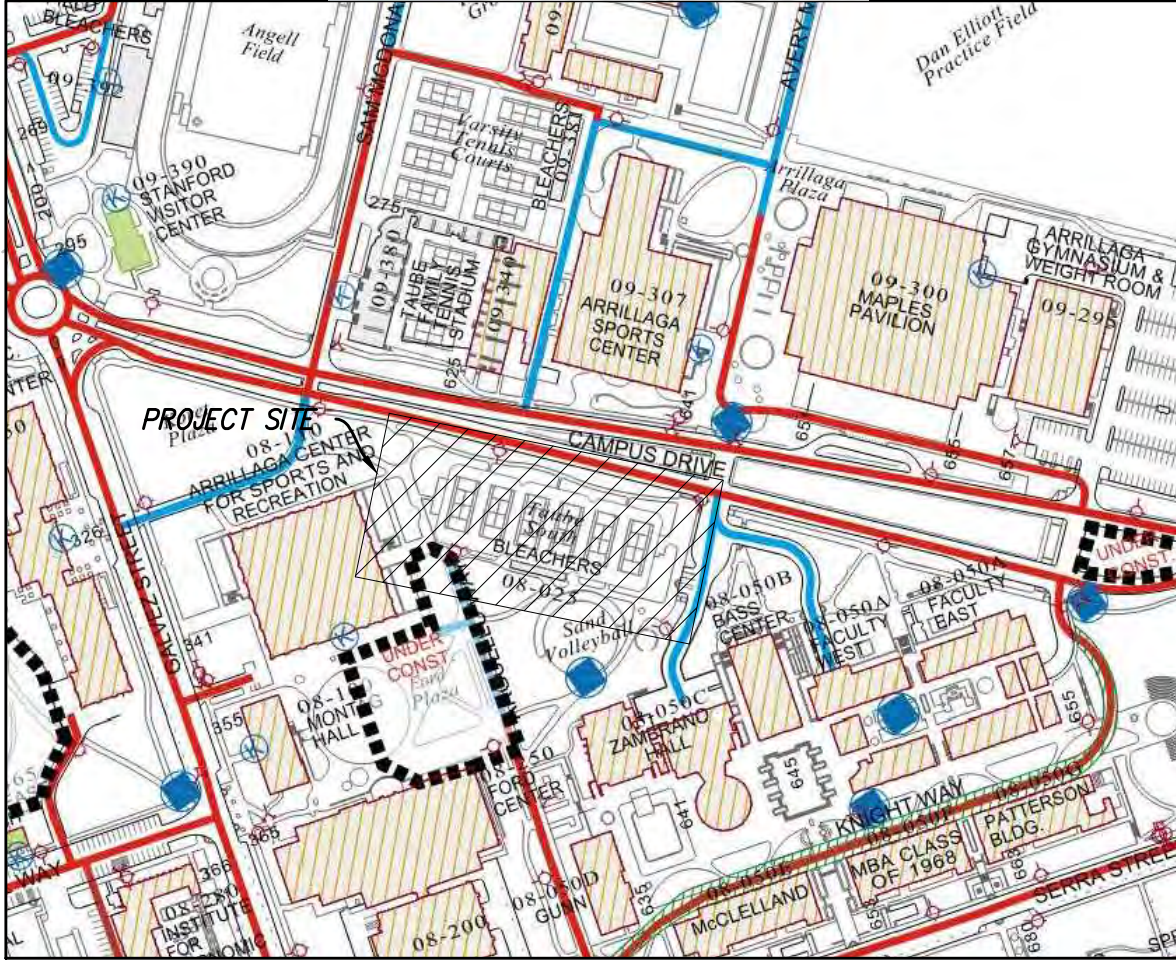
4/5/2023  
 From: Joe Miller, SLP/MD  
 To: Sandy Liu, Project Manager  
 Re: Hydrant Flow Test - Taube Tennis South (08-025), 638 Campus Drive, Stanford

Hydrant Flow Test	
Location	Campus Drive
Hydrant ID	2-4351
Test Date/Time	4/1/23 10:00
Static Pressure	59 psi
Residual Pressure	76 psi
Flow	1,365 gpm @ 50 psi
Calculated Fire Flow at 20 psi	2,886 gpm @ 500 gpm

Fire Marshal's Office  
 480 Doe Hill, Stanford, CA 94305 | T: 800.723.0448 | F: 650.725.5468

FIRE ACCESS MAP Legend

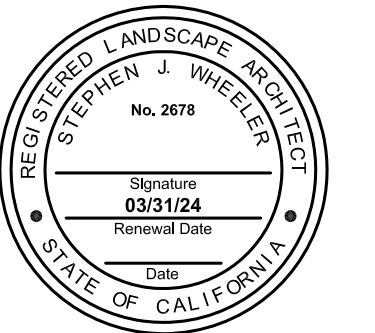
- Primary Access
- Secondary Access



Project Name: Covered Tennis Courts  
 Project Address: 638 Campus Drive,  
 Stanford CA, 94305  
 Quad/ Bldg. Number: 08-025



Stephen Wheeler  
 Landscape Architects  
 99 Mississippi Street  
 Second Floor  
 San Francisco, CA 94107  
 T: 415-252-7075



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.01.2023	DRAFT ASA SUBMITTAL
	05.31.2023	ASA RESUBMITTAL #1

PROJECT NUMBER

SHEET TITLE

LANDSCAPE PLAN

SCALE

1" = 20'-0"

SHEET NUMBER

L-1.01

LANDSCAPE DESIGN CONCEPT

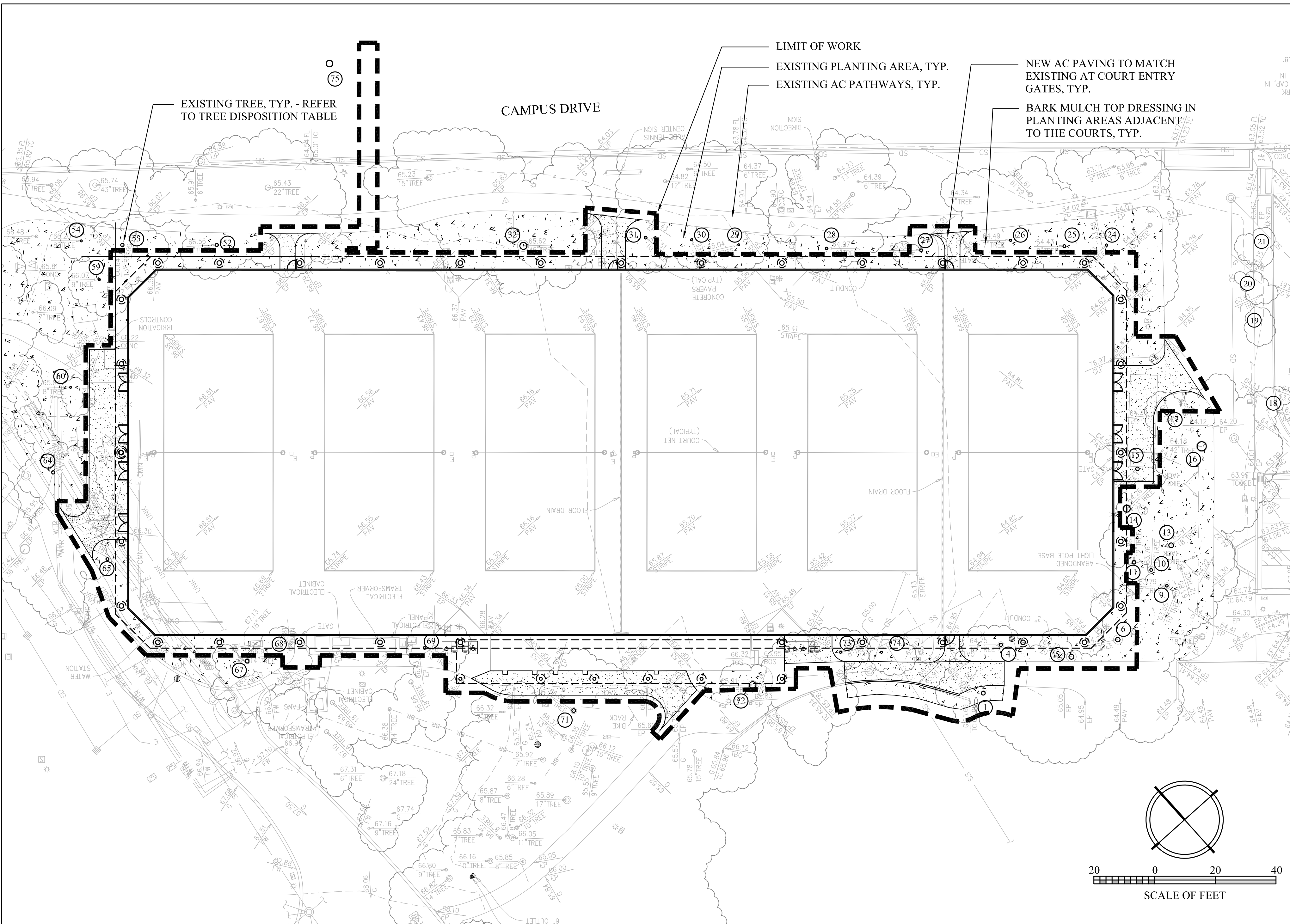
THE LANDSCAPE DESIGN FOR THE PROJECT PRESERVES THE EXISTING LANDSCAPING AT THE TENNIS COURTS. PLANTING AREAS ADJACENT TO THE COURTS WILL BE TOP DRESSED WITH BARK MULCH FOLLOWING CONSTRUCTION TO MATCH EXISTING CONDITIONS AROUND THE PROJECT SITE.

TREE PRESERVATION NOTES

- REFER TO THE TREE DISPOSITION TABLE ON THIS SHEET.
- REFER TO SHEETS C-3.0 AND C-3.1 AND TO THE ARBORIST REPORT PREPARED BY DAVID BABBY, CONSULTING ARBORIST, FOR TREES TO BE SAVED AND REMOVED.
- REFER TO TREE PROTECTION NOTES ON SHEET C-3.0 AND C-3.1.

PLANTING NOTES

- THERE IS NO NEW PLANTING PROPOSED FOR THE PROJECT.
- EXISTING PLANTING AREAS ADJACENT TO THE COURTS WILL BE TOP DRESSED WITH BARK MULCH FOLLOWING CONSTRUCTION.
- REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION, PAVING, GRADING AND DRAINAGE AND STORMWATER MANAGEMENT.



TREE DISPOSITION TABLE

TREE NO.	SPECIES	DBH (IN.)	REMOVE/REMAIN	PROTECTED STATUS
1	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
4	COAST LIVE OAK	11	REMAIN	PROTECTED
5	COAST LIVE OAK	21	REMAIN	PROTECTED
6	COAST LIVE OAK	18	REMAIN	PROTECTED
9	COAST LIVE OAK	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
10	COAST LIVE OAK	<12	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
11	COAST LIVE OAK	12	REMAIN	PROTECTED
13	COAST LIVE OAK	18	REMAIN	PROTECTED
14	COAST LIVE OAK	20,19	REMAIN	PROTECTED
15	COAST LIVE OAK	10	REMOVE	NOT PROTECTED, SEE CONDITION A BELOW
16	COAST LIVE OAK	24,20	REMAIN	PROTECTED
17	COAST LIVE OAK	3	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
18	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
19	COAST LIVE OAK	4	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
20	COAST LIVE OAK	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
21	COAST LIVE OAK	5	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
22	DEODAR CEDAR	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
24	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
25	DEODAR CEDAR	7	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
26	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
27	COAST REDWOOD	15	REMAIN	PROTECTED
28	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
29	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
30	COAST REDWOOD	9	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
31	COAST REDWOOD	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
32	COAST LIVE OAK	39	REMAIN	PROTECTED
52	DEODAR CEDAR	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
53	DEODAR CEDAR	14	REMAIN	PROTECTED
54	DEODAR CEDAR	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
59	DEODAR CEDAR	10	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
60	CANARY ISLAND PINE	9	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
64	CANARY ISLAND PINE	16	REMAIN	PROTECTED
65	DEODAR CEDAR	11	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
67	CANARY ISLAND PINE	19	REMAIN	PROTECTED
68	CANARY ISLAND PINE	14	REMAIN	PROTECTED
69	CANARY ISLAND PINE	12	REMAIN	PROTECTED
71	COAST LIVE OAK	17	REMAIN	PROTECTED
72	COAST LIVE OAK	27	REMAIN	PROTECTED
73	COAST LIVE OAK	8	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW
74	COAST LIVE OAK	5	REMAIN	NOT PROTECTED, SEE CONDITION A BELOW

NOTES:  
 CONDITION A: TREE IS NOT DESIGNATED AS A PROTECTED TREE DUE TO THE DBH BEING LESS THAN 12".  
 CONDITION B: TREE IS NOT DESIGNATED AS A PROTECTED TREE DUE TO NOT BEING IDENTIFIED ON A PREVIOUS ASA.