

County of Santa Clara

Department of Planning and Development
Planning Office

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STAFF REPORT Zoning Administration April 6, 2023 **Item # 3**

Staff Contact: Joanna Wilk, Senior Planner
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PLN22-207 (STANFORD UNIVERSITY)

Architecture and Site Approval and Grading Approval – Stanford University Maples Pavilion Addition

Summary: Architecture & Site Approval and Grading Approval for a 12,500 square foot addition and renovation of underground locker rooms and athletic training facilities at the Maples Pavilion (not a historic resource). The project site is located on the southeastern portion of Campus Drive, between Bonair Siding Road and Sam McDonald Mall, adjacent to the Arrillaga Family Sports Center and football practice fields. Proposed grading quantities associated with Grading Approval include 8,100 cubic yards of cut and 70 cubic yards of fill, with a maximum depth of 17.5 feet to establish the underground athletic facility.

Owner: Stanford University
Applicant: Mark Bonino, Project Manager
Address: 655 Campus Drive, Stanford
APN: 142-04-036

Community Plan Designation:
Academic Campus, Campus Open Space
Zoning: A1 (63.5%), A1-20s (35.8%)
Project Area: 0.9 acres
Supervisorial District: 5

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)].
- B. Grant Architecture & Site Approval (ASA) and Grading Approval, subject 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

The proposed project is for improvements of the Stanford University Maples Pavilion, including the demolition of approximately 7,300 sq. ft. of existing underground locker rooms and athletic facilities, and the construction of 12,500 sq. ft. of new underground locker rooms and athletic training facilities, along with reconfiguring of landscaping above the underground addition. Of the total square footage, 11,659 sq. ft. is proposed to be deducted from the 2000 GUP academic square footage allocation. The balance construction is not conditioned space, thus not counted as 2000 GUP square footage allocation. The addition is underground, with a ceiling height of approximately 13½ ft. The proposal also includes the construction of two entry stairway enclosure that are above grade, each roughly 240 sq. ft. The project site is the existing Maples Pavilion, located the southeastern portion of Campus Drive, between Bonair Siding Road and Sam McDonald Mall, adjacent to the Arrillaga Family Sports Center and football practice fields. No new parking or reconfiguration of existing roads are proposed with this project.

Twelve (12) non-oak trees over 12-inches in diameter are proposed to be removed. These trees do not count as protected trees under the 2000 Stanford GUP and will not be replaced (GUP COA K4). All remaining trees with a 12-inch or greater diameter surrounding the project site will be considered protected.

Estimated grading quantities associated with the grading approval are 8,100 c.y. of cut and 70 c.y. fill (8,030 c.y. export) with a maximum vertical cut of 17 & ½ ft to establish the underground locker rooms.

REASONS FOR RECOMMENDATION

A. Environmental Review and Determination (CEQA)

The proposed project is in conformance with both the 2000 Stanford Community Plan (“SCP”) and General Use Permit (“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, 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 in the Maples Pavilion 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 governs 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 subject to compliance with the preliminary conditions outlined in Attachment B.

2. **ASA 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 are 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 projects in the core of the campus have been assessed in the programmatic 2000 GUP EIR. As such, the proposed improvements to the Maples Pavilion do not result in any change in the amount of traffic and does not generate any new trips from a traffic impact perspective. The traffic would be consistent with that analyzed in the prior 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 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 to add to or remove existing parking spaces, as the existing Maples Pavilion parking is adequate for the existing use and proposed improvements.

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 underground locker rooms and athletic facilities will not be detrimental to the character of the surrounding neighborhood as they are not visible above grade. The project includes the addition of two enclosed stairways above grade that match the façade of the existing building (shown on sheet A4-1 of Attachment D). The project site

is located the southeastern portion of Campus Drive, between Bonair Siding Road and Sam McDonald Mall, adjacent to the Arrillaga Family Sports Center and football practice fields. The proposed above grade addition conforms with the existing building and surrounding area, and therefore will not be detrimental to the surrounding area or neighborhood.

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. Twelve (12) non-oak trees over 12-inch diameter are proposed for removal. These trees do not count as protected trees under the 2000 Stanford GUP and are not required to be replaced. However, twelve (12) non-oak trees are proposed to be replanted. Additionally, all remaining trees with a 12-inch or greater diameter surrounding the project site will be considered protected.

A preliminary landscape plan was submitted by the applicant for review. The reconfigured landscaping includes twelve (12) new Japanese maples, the installation of turf, concrete, pavers, lawn area, and various shrubs and grasses located along the Campus Drive entrance to Maples Pavilion. No preliminary issues of concern were found and the plan meets County requirements. Staff has added a condition of approval requiring that the landscaping meet the requirements of the SCP and GUP, as well as be similar to the existing site landscaping in the immediate area. The final landscape plan is also subject to the requirements of the County Sustainable Landscape Ordinance. As such, the final landscape plan will blend in with the character of the surrounding area.

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 Maples Pavilion improvements are 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 Maples Pavilion improvements 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 nos. 27 through 31 (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;

Due to the nature of the proposed use, and its location within the Stanford Campus area, the project is not anticipated to cause any significant increases in noise levels to surrounding neighborhoods. The project may create short-term/temporary construction noise impacts due to construction activities and construction traffic. The project has been conditioned to require submittal of a Traffic and Construction Management Plan prior to building permit issuance. Furthermore, construction activities shall be limited to the hours of 7AM and 7PM, Monday through Saturday, with no construction activity occurring after 7PM, 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. The project complies with the development standards set forth in the zoning ordinance.

The proposed new addition to the Maples Pavilion is underground with two entry stairway enclosure above grade, with a maximum height of **15 feet** as measured from the ground floor level to the roof, which is less than the general 35-foot zoning standard limitation in A1 district. As such, 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 improvement of the Maples Pavilion as Academic Campus. The proposed project is part of 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.

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 are consistent with the ASA Guidelines. Specifically, the proposed project complies with the landscaping guidelines set forth in 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.

Grading Findings:

Pursuant to Section C12-433, all Grading Approvals are subject to specific findings. In the following discussion, the scope of review findings are listed in **bold**, and an explanation of how the project meets the required standard is in plain text below.

A. The amount, design, location, and the nature of any proposed grading is necessary to establish or maintain a use presently permitted by law on the property.

An estimated total of 8,100 c.y. cut and 70 c.y. fill is associated with the proposed project. This grading is primarily to excavate an area to establish the new underground locker rooms and athletic facilities and create the reconfigured landscaped area. The proposed landscaping area (above the underground addition) matches the existing surrounding grade. As such, the amount, design, location and the nature of proposed grading is necessary to establish the improvements, which are a permissible use in the A1 zoning district for the existing permitted use. As such, this finding *can* be made.

B. The grading will not endanger public and/or private property, endanger public health and safety, will not result in excessive deposition of debris or soil in the watercourse.

The applicant will be required to obtain a Grading Permit through the County's Land Development Engineering, which will ensure that that the project adequately drains to an approved location. No excessive material will be deposited onsite. All excess grading will be hauled to a County-approved off-site facility. Furthermore, no grading is proposed near

a creek that may impair any existing spring or watercourse. As such, this finding *can* be made.

C. Grading will minimize impacts to the natural landscape, scenic, biological and aquatic resources, and minimize erosion impacts.

The proposed grading has been designed to minimize impacts to existing landscaping, and will not result in any scenic, biological, or aquatic resource impacts. Twelve (12) non-oak trees over 12 inches diameter are being removed to accommodate the reconfigured landscaped area above the underground addition. These trees do not count as protected trees under the 2000 Stanford GUP and are not required to be replaced. However, twelve (12) Japanese maples are proposed to be replanted in the landscaped area. Compliance to the conditions of approval (Attachment B) have been identified and are required to minimize impacts to the natural landscape, scenic, biological and aquatic resources, and minimize erosion impacts. As such, this finding *can* be made,

D. For grading associated with a new building or development site, the subject site shall be one that minimizes grading in comparison with other available development sites, taking into consideration other development constraints and regulations applicable to the project.

The site is relatively flat. The grading associated with the Grading Approval is primarily for the excavation of the underground addition. The proposed grading, with compliance with conditions of approval in Attachment B, will be in conformance with all applicable regulations. As such, this finding *can* be made.

E. Grading and associated improvements will conform with the natural terrain and existing topography of the site as much as possible and should not create a significant visual scar.

The proposed excavation for the underground locker rooms and athletic facilities will be finished with reconfigured landscaping above the underground addition. The new landscaped area will match the existing surrounding grades. As such, the proposed grading is designed to conform with existing topography of the surrounding area to minimize grading and visual impacts. As such, this finding *can* be made.

F. Grading conforms with any applicable general plan or specific plan policies; and

The proposed grading is in conformance with specific findings and policies identified in the County General Plan. The proposed grading is designed to minimize grading and to reduce visual impacts from surrounding uses in keeping with General Plan policies. The reconfigured landscaping above the underground addition matching the existing grade and is therefore compatible with the surrounding development in the area. As such, this finding *can* be made.

G. Grading substantially conforms with the adopted "Guidelines for Grading and Hillside Development" and other applicable guidelines adopted by the County.

The project site is in the A1 zone on the academic campus of Stanford University. This finding *does not apply* to the site.

BACKGROUND

On December 12, 2000, the County of Santa Clara approved the 2000 Stanford University Community Plan and General Use Permit (GUP), governing development projects on the Stanford campus. The GUP allows Stanford to construct up to 2,035,000 net square feet 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 type of housing construction, and for additional housing. The proposed project for improvements and expansion to the existing Maples Pavilion is located in the DAPER and Administrative Development District (District). As of March 2023, the existing square footage in the District is 12,923 sq. ft. Per the development tracking sheet submitted with the application, after addition of the Maples Pavilion GUP square footage (11,659 sq.ft.) to the District, balance square footage remaining in the District would be 1,264 sq. ft.

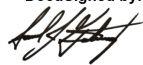
On November 16, 2022, an application for Architecture and Site Approval and Grading Approval was submitted for Maples Pavilion addition including two (2) new stairway enclosures and reconfigured landscaping above the underground addition. The application was deemed incomplete on December 16, 2022 and was resubmitted on February 2, 2023. Subsequently the application was deemed complete on March 2, 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 on March 24, 2023, and was also published in the Post Records on March 24, 2023.

STAFF REPORT REVIEW

Prepared by: Joanna Wilk, Senior Planner



Reviewed by: Samuel Gutierrez, Principal Planner

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Attachment A

CEQA Determination –
Use of a Prior CEQA Document

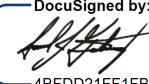
USE OF A PRIOR CEQA DOCUMENT PROGRAM ENVIRONMENTAL IMPACT REPORT (EIR)

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.

File Number	APN(s)	Date
PLN22-207	142-04-036	April 06, 2023
Project Name	Project Type	
Stanford Maples Pavilion Addition	Architecture and Site Approval and Grading Approval	
Owner	Applicant	
Stanford University	Mark Bonino, Project Manager	
Project Location		
655 Campus Drive, Stanford		
Project Description		
Improvements of the Stanford Maples Pavilion, including 12,500 square foot addition and renovation of underground locker rooms and athletic training facilities at the Maples Pavilion (not a historic resource). The project site is located on the southeastern portion of Campus Drive, between Bonair Siding Road and Sam McDonald Mall, adjacent to the Arrillaga Family Sports Center and football practice fields. Proposed grading quantities associated with Grading Approval include 8,100 cubic yards of cut and 70 cubic yards of fill, with a maximum depth of 17.5 feet to establish the underground athletic facility.		
Background and Summary of Findings		

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 address 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>Approved by: Samuel Gutierrez, Principal Planner</p>	<p>DocuSigned by:  4BFDD21FF1FB4D2...</p> <p>Signature</p>	<p>_____</p> <p>Date</p>
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Attachment B

Proposed Conditions of Approval

ATTACHMENT B
PRELIMINARY CONDITIONS OF APPROVAL
FOR
ARCHITECTURE & SITE APPROVAL AND GRADING APPROVAL

Date: April 6, 2023

Owner/Applicant: Stanford University

Location: 1655 Campus Drive, Stanford (APN: 142-04-036)

File Number: PLN22-207

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

Project Description: Architecture & Site Approval and Grading Approval for a 12,500 square foot addition and renovation of underground locker rooms and athletic training facilities at the Maples Pavilion (not a historic resource). The project site is located on the southeastern portion of Campus Drive, between Bonair Siding Road and Sam McDonald Mall, adjacent to the Arrillaga Family Sports Center and football practice fields. Proposed grading quantities associated with Grading Approval include 8,100 cubic yards of cut and 70 cubic yards of fill, with a maximum depth of 17.5 feet to establish the underground athletic facility.

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

Agency	Name	Phone	E-mail
Planning	Joanna Wilk	(408) 299-5799	joanna.wilk@pln.sccgov.org
Land Development Engineering	Ed Duazo	(408) 299-5733	ed.duazo@pln.sccgov.org
Fire Marshal	Alex Goff	(408) 299-5763	alex.goff@sccfd.org
Environmental Health	Darrin Lee	(408) 573-2464	darrin.lee@cep.sccgov.org
Building Inspection	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.sccbbuilding.org).

Planning

2. Development and maintenance of the project site shall take place in accordance with approved plans, received by the Planning Department on February 22, 2023. The project allows construction of a 12,500 square foot addition and renovation of underground locker rooms and athletic training facilities at the Maples Pavilion, and associated site work including reconfiguration of existing landscaping. 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 and Grading Approval and may be subject to additional review under the California Environmental Quality Act (CEQA).
3. File and obtain demolition, grading 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 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 GRADING OR 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 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 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 grading permit 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 grading 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 grading 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. Twelve (12) non-oak trees over 12 inches in diameter at 4.5 feet above grade are authorized for removal with this project (refer to approved plan page C-2.0).
 - B. All other trees in the project area shall remain and are protected after the approval of this ASA and Grading Approval, per plan C-2.0 (Tree Protection, Disposition and Relocation Plan).

- 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 to the project and surrounding area.
 - D. Final grading 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 grading 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 grading permit evaluating consistency of final grading plans with these mitigations and a construction-observation letter prior to the issuance of final occupancy summarizing implementation of these mitigation measures.
 - i. Provide two copies of 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., and a landscape documentation package shall be submitted **prior to building permit issuance** for review and approval. 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.
21. **Prior to building permit issuance**, submit a detailed lighting plan which includes all new exterior lighting. The Lighting Plan shall provide light fixture details (cut sheets) with lighting profiles and product-specific information that includes the following information:

Depict the extent of illumination from all new outdoor lighting (photometric plan, beam patterns). The Photometric plan shall note the light fixtures and their locations relative to their photometrics on the plan. Light pole or mounting details must also be included. Lighting shall include light fixtures that are shielded. All lighting shall be downward directed and shall only illuminate the area intended. Ensure absence of upward glow. Use “state-of-the-art” luminaries including those with high beam efficiency.

Land Development Engineering

22. **Construct** the improvements. Construction staking is required and shall be the responsibility of the developer.
23. 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.
24. Submit as-built plans. 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 the as-built.

Environmental Health

25. **Prior to issuance of a development permit/building permit**, provide a current sanitary sewer capacity and service letter for the proposed development.

26. **Prior to issuance of a development permit/building permit**, provide a water will serve letter from water service provider.

Fire Marshal's Office

27. 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.
28. The minimum fire-flow shall be based upon the final size of the structure shown on the building permit set of drawings to meet Appendix B of the CFC measuring gpm at 20 psi.
- A. At the time of plan submittal for building permit, provide written verification from the water company that this condition can be satisfied that has been recorded within 1 year.
 - B. Standard fire hydrant spacing to meet Appendix "C" of the CFC.
29. These are minimum Fire Marshal standards. Should these standards conflict with any other local, state or federal requirement, the most restrictive shall apply.
- A. 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.
30. For fire department access shall comply with the following:
- A. Width: Access Roads to have a clear drivable width of 20 ft. and proper shoulder/s per CFMO-A1.
 - 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.
 - C. Curve Radius: Inside turn radius for curves shall be a minimum of 42 ft.
 - D. Grade: Maximum grade shall not exceed 15%.
 - E. Surface: All driving surfaces shall be all-weather and capable of sustaining 75,000 pound gross vehicle weight.
 - F. Dead End Roads: Turnarounds shall be provided for dead end access roads in excess of 150 ft. in length. Acceptable turnaround shall comply with County Standard SD-16. All turnarounds shall have a slope of not more than 5% in any direction.
 - G. Gates: Gates shall not obstruct the required width or vertical clearance of the driveway and may require a Fire Department Lock Box/Gate Switch to allow for fire department access. Installation shall comply with CFMO-A3.
 - H. Address: Numbered address to be easily recognizable from the street.

31. 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.
 - A. Sheet C-7.0 shows an (E) FDC between Construction Parking and Laydown Area. More clarification will be needed at Building Permit submittal to ensure this FDC is kept clear and accessible (bollards are located at the FDC to allow access to where the Laydown Area is being proposed).
 - B. Fire department access roads, driveways, turnouts, and turnarounds shall be maintained free and clear and accessible at all times for fire department use. Gates shall be maintained in good working order and shall remain in compliance with Fire Marshal Standard CFMO-A3 at all times.

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

Planning

32. For each 11,763 net square feet of academic space built, Stanford shall either: (1) provide 1 affordable housing unit on the Stanford campus; or (2) make an appropriate cash payment in-lieu of providing the housing unit equal to the “BMR” payment that the City of Palo Alto is charging to commercial development projects when the project is built. The payment shall be made to an escrow account established and maintained by the County.
33. All grading materials and stockpiled materials shall be removed and disposed at an approved location.
34. Following completion of construction, contact the Planning Department (Joanna Wilk at 408-299-5799) **at least two weeks in advance** to set up an appointment to schedule a site visit to verify the development is per approved plans.

Land Development Engineering

35. Construct the improvements. Construction staking is required and shall be the responsibility of the developer.
36. 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.
37. Submit as-built plans. 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 the as-built.

Fire Marshal's Office

38. An approved residential fire sprinkler system complying with CFMO-SP6 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.

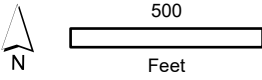
Attachment C

Location & Vicinity Map



Location and Vicinity Map

Record No. PLN22-207
 APN 142-04-036
 Maples Pavilion, Stanford Campus



Attachment D

Proposed Plans

STANFORD UNIVERSITY MAPLES PAVILION ADDITION BUILDING 09-300

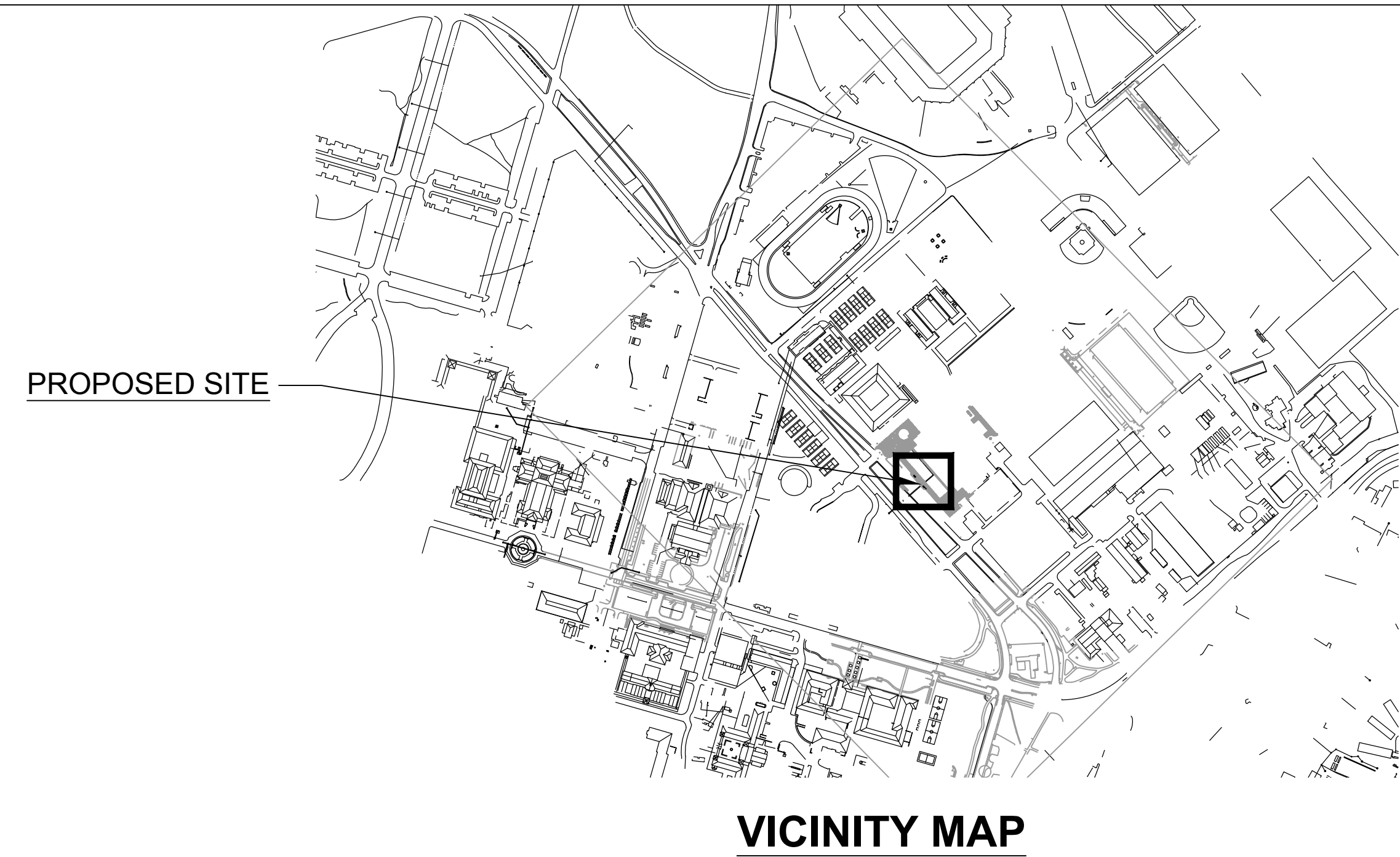
ASA SUBMITTAL SET

PROJECT 5542

DRAWING STATUS: ASA SUBMITTAL
 SUBMITTAL DATE: 01/21/2022
 APPROVAL DATE:
 ASA COMPLIANCE RE-SUBMITTAL
 PERMIT APPLICATION
 CONSTRUCTION PERMIT
 RECORD DRAWINGS

655 CAMPUS DR

Stanford, California



DRAWING INDEX

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

- A1-1 PROPOSED SITE PLAN
- A1-2 GUP DIAGRAM
- A1-3 DEMO PLAN BASEMENT FLOOR
- A2-0 PROPOSED PLAN BASEMENT FLOOR
- A2-1 PROPOSED PLAN GROUND FLOOR
- A3-1 EXISTING AND PROPOSED ELEVATIONS
- A3-2 EXISTING AND PROPOSED SECTIONS
- A4-0 RENDERINGS
- A4-1 RENDERINGS
- A4-2 RENDERINGS

- C-1.0 COUNTY COVER SHEET
- C-1.1 CONSTRUCTION NOTES
- C-2.0 DEMOLITION AND TREE DISPOSITION PLAN
- C-3.0 GRADING AND DRAINAGE PLAN
- C-3.1 PNEUMATIC BOLLARD DETAILS
- C-4.0 UTILITY PLAN
- C-5.0 STORMWATER MANAGEMENT PLAN
- C-6.0 EROSION CONTROL PLAN
- C-6.1 COUNTY BMP NOTES
- C-6.2 COUNTY BMP NOTES
- C-7.0 CONSTRUCTION SITE LOGISTICS AND SAFETY PLAN
- C-8.0 FIRE TRUCK ROUTE PLAN AND FIRE ANALYSIS NOTES

- L-1.0 PLANTING PLAN
- L-2.0 IRRIGATION PLAN

SITE DATA INFORMATION

GENERAL

APN: 142-04-036
 PARCEL SIZE: 580.15 AC
 DEVELOPMENT DISTRICT: DAPER AND ADMINISTRATIVE
 BUILDING/QUAD: BUILDING 09-300
 LAND USE DESIGNATION: ACADEMIC CAMPUS
 SITE AREA: 37,066 SF

PERCENTAGE OF SITE AREA:

LANDSCAPE: 14 %
 CONCRETE PAVING: 86 %

CBC BUILDING TYPE:

I-A
 NUMBER OF NET NEW PARKING SPACES: NONE
 ESTIMATED CUT AND FILL:
 CUT: 8,520 CUBIC YARDS
 FILL: 160 CUBIC YARDS

PROJECT DESCRIPTION:

INTERIOR RENOVATION OF THE BASEMENT LEVEL OF MAPLES PAVILION (12,003 SF) INCLUDES AT-GRADE STAIRS OF 498 SF. THE PROJECT INCLUDES EXCAVATION OF 8,520 CY OF SOIL FOR SITE DEVELOPMENT, UTILITIES, AND LANDSCAPING.

PROJECT MANAGER:
 Mark Bonino
 340 Bonair Siding Rd
 Stanford, CA 94305
 mbonino@stanford.edu
 Telephone: (650) 723-0022

DEFERRED SUBMITTALS

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

REVISION

DEPARTMENT OF PROJECT MANAGEMENT
 340 Bonair Siding Rd
 Stanford, CA 94305

TITLE SHEET

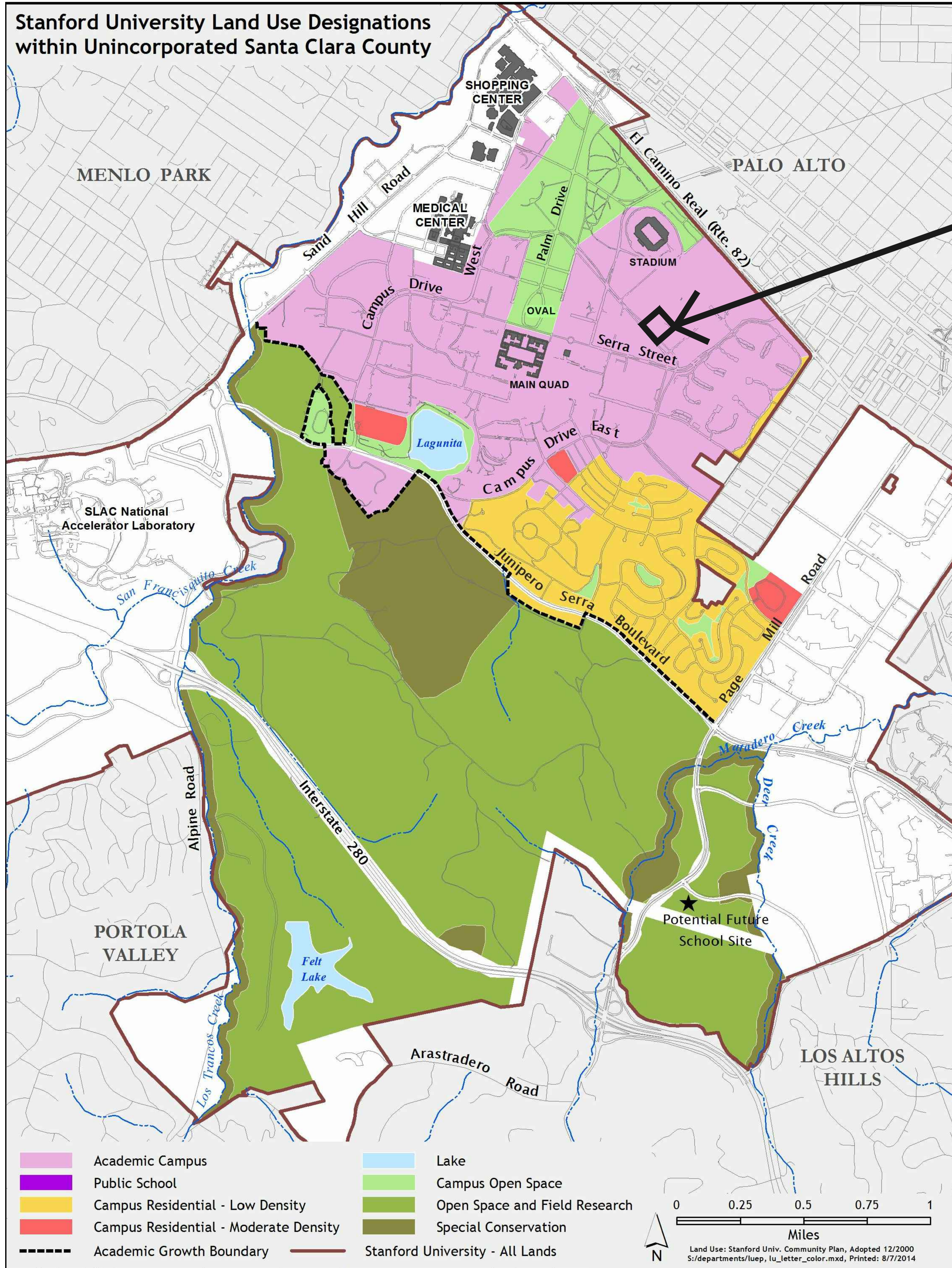
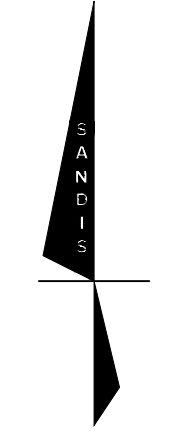
STANFORD UNIVERSITY
 MAPLES PAVILION
 ADDITION

DATE: 12/23/2022

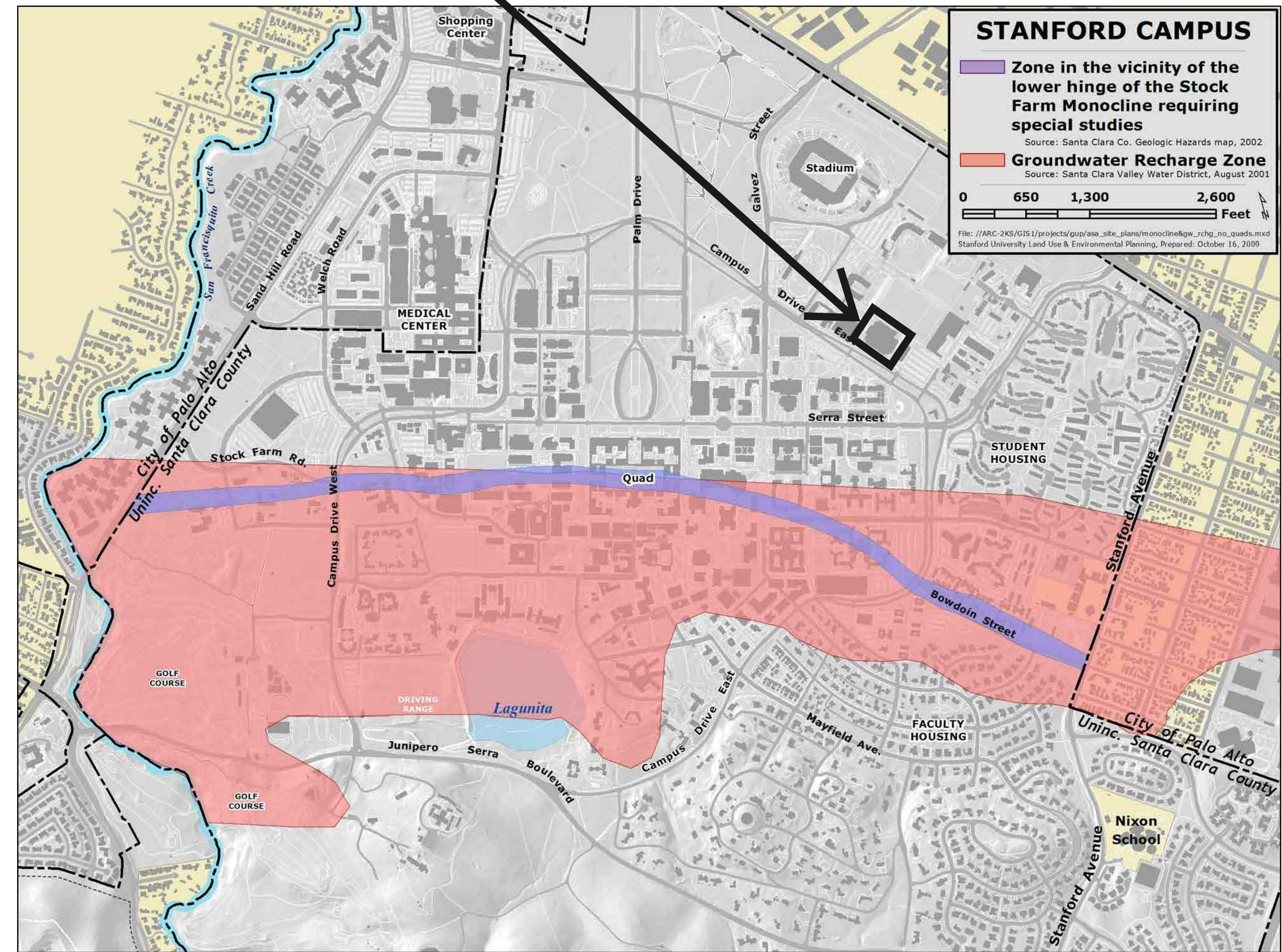
SCALE: N/A

PL0.0

GUP INFORMATION MAP



PROPOSED SITE



REVISION

DEPARTMENT OF PROJECT MANAGEMENT
340 Bonair Siding Rd
Stanford, CA 94305

GUP INFORMATION
MAP

STANFORD UNIVERSITY
MAPLES PAVILION
ADDITION

DATE: 12/23/2022
SCALE: N/A

PL12

File: S:\220574\4_ENGINEERING\2_PLAN_SETS\3_SHEET_SET\ONSIE\PL12_GUP_INFO.dwg Date: Dec 23, 2022 - 8:21am, tracnguyen

**MAPLES PAVILION
ADDITION**

STANFORD UNIVERSITY

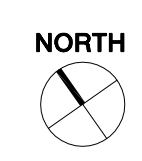


ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

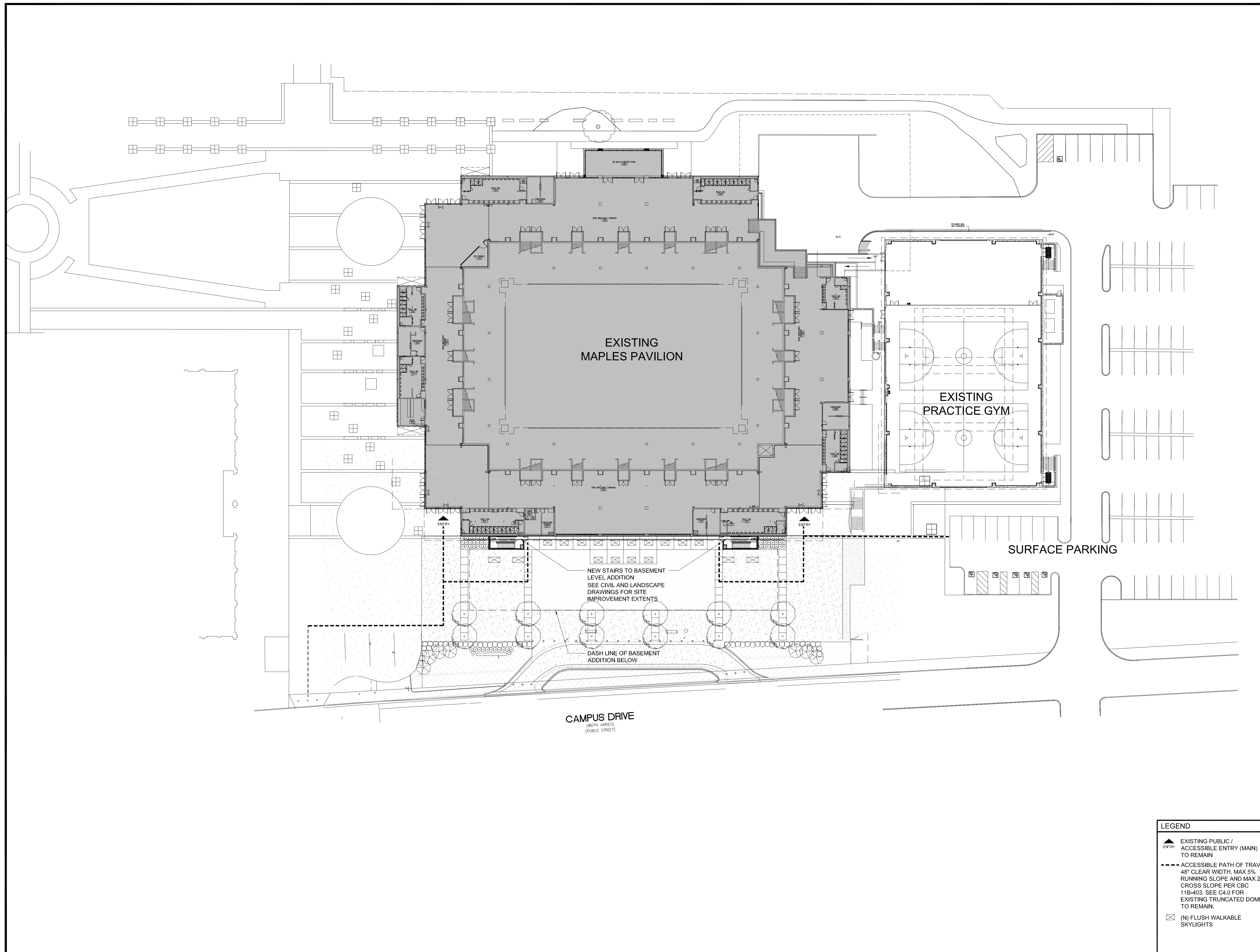
SHEET TITLE
PROPOSED SITE PLAN

SCALE
1/32"=1'-0"



SHEET NUMBER

A1-1



MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

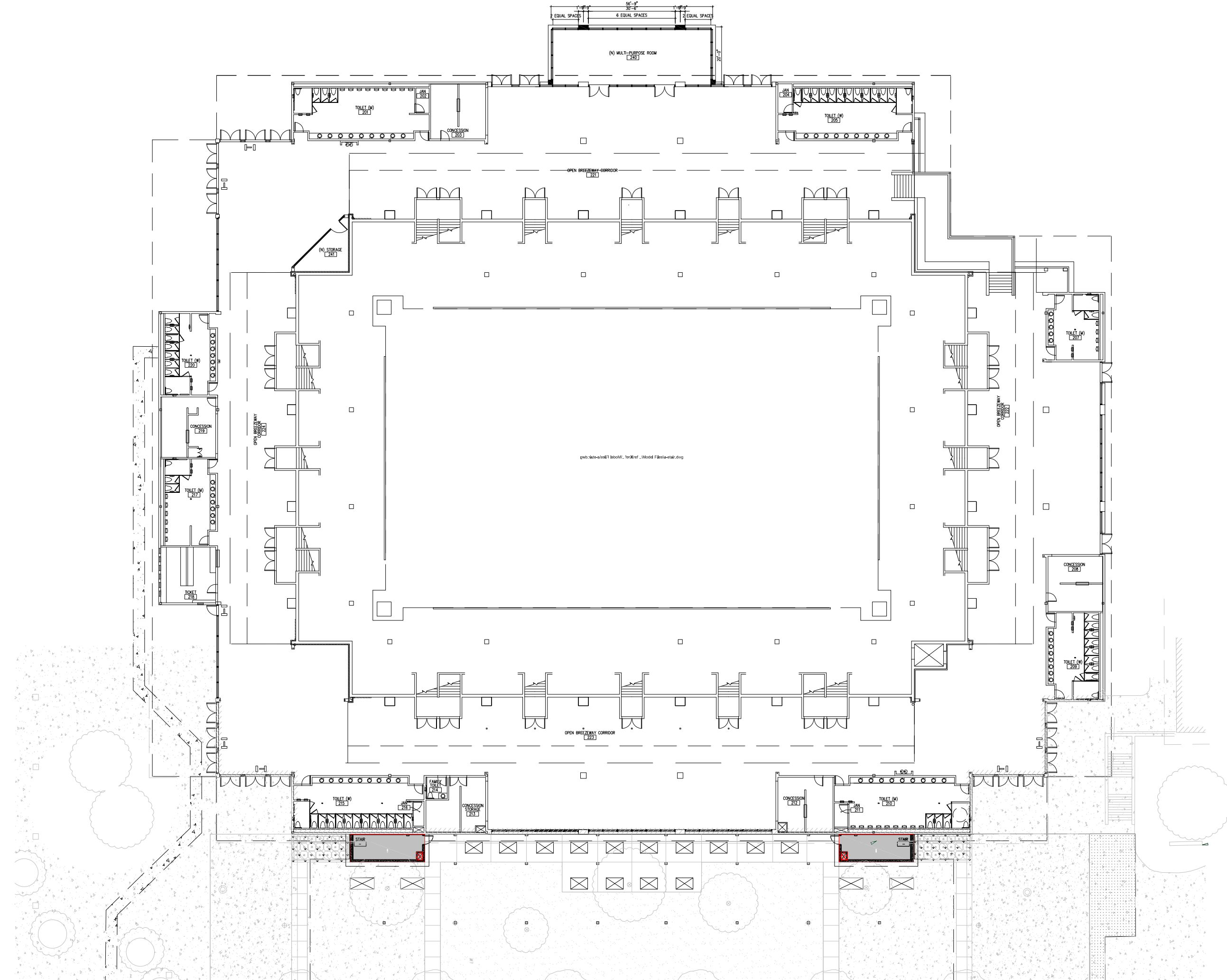
PROJECT NUMBER
21022

SHEET TITLE
GUP
DIAGRAM

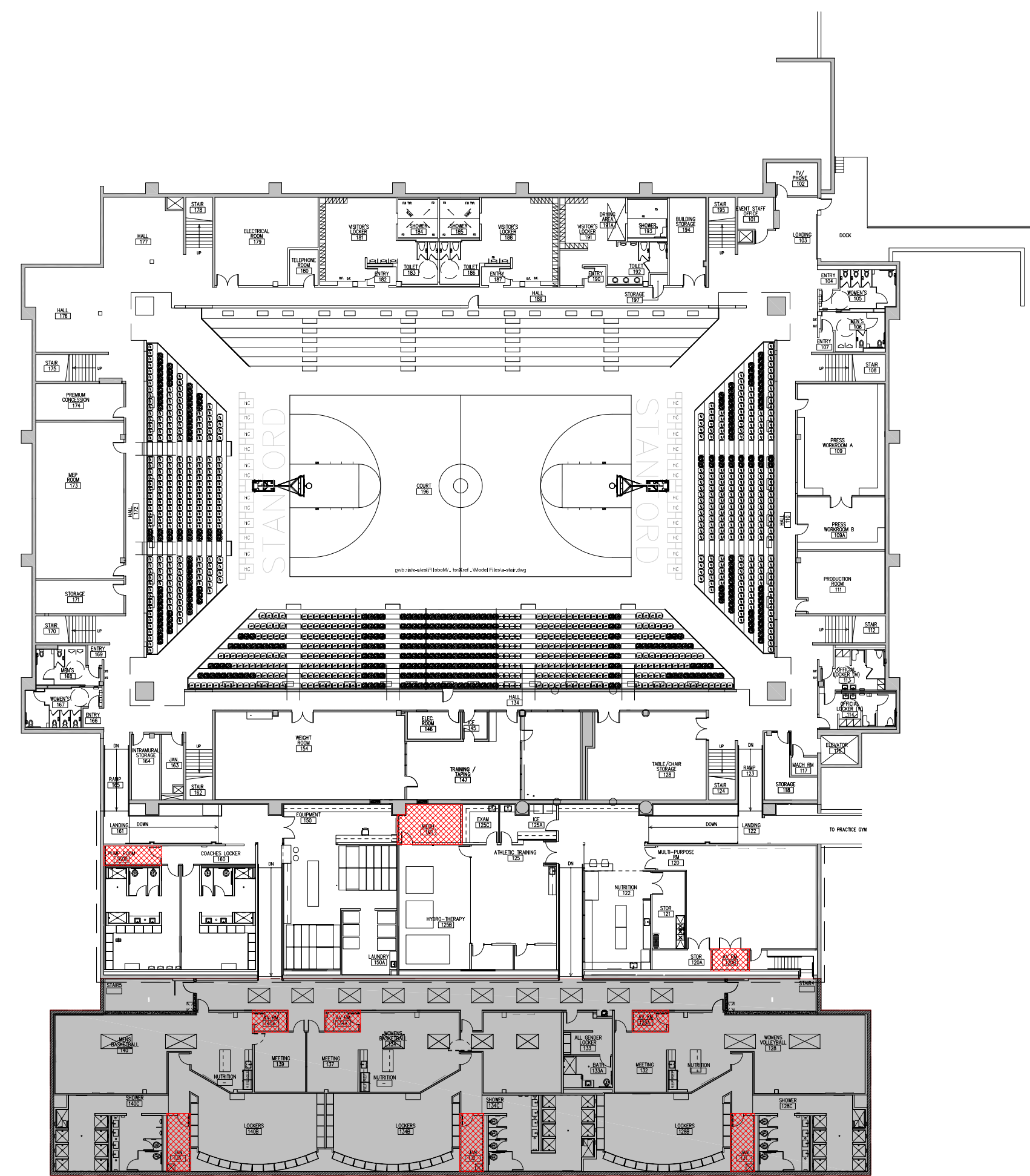
SCALE
3/32" = 1'-0"

SHEET NUMBER

A1-2



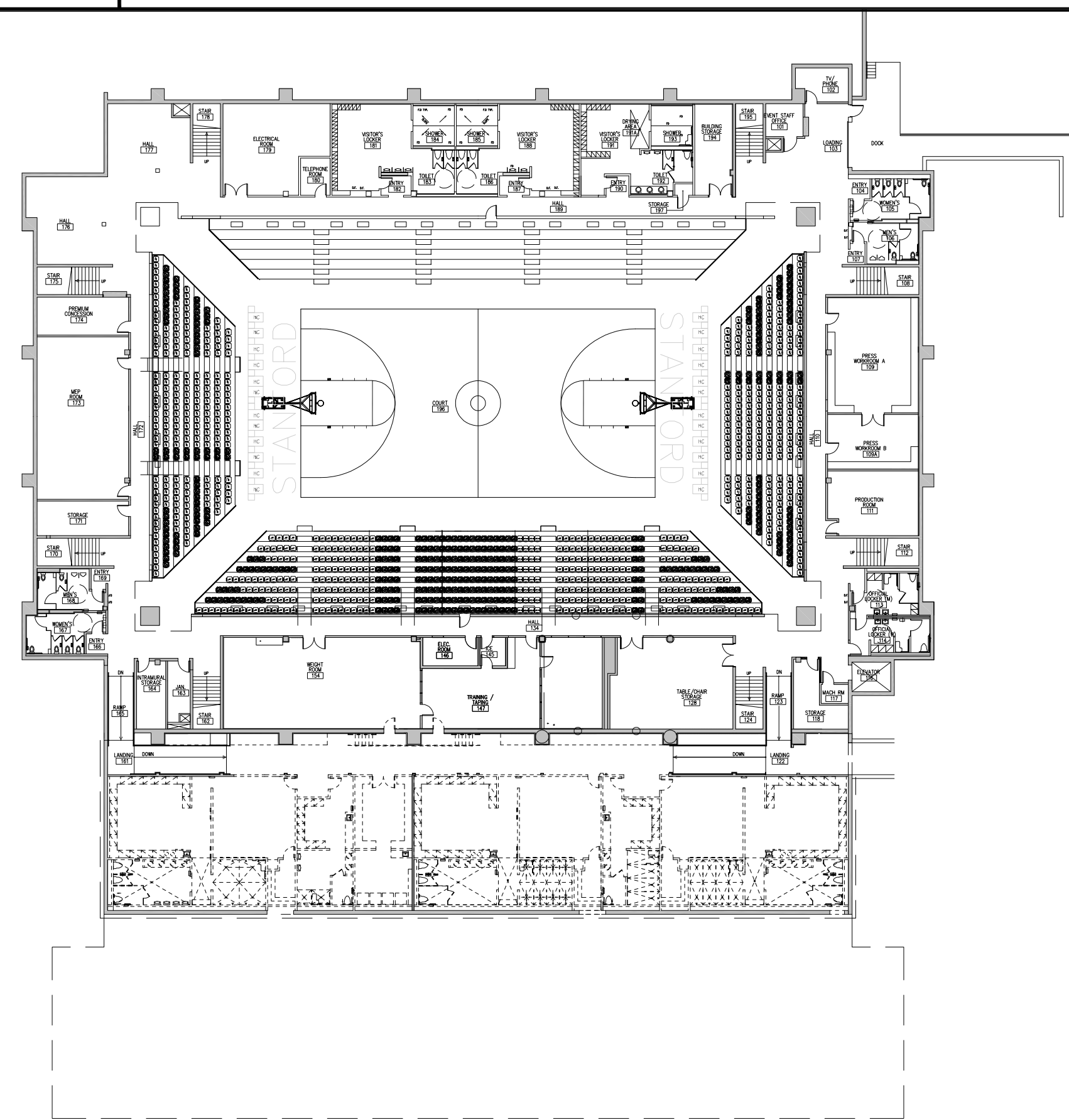
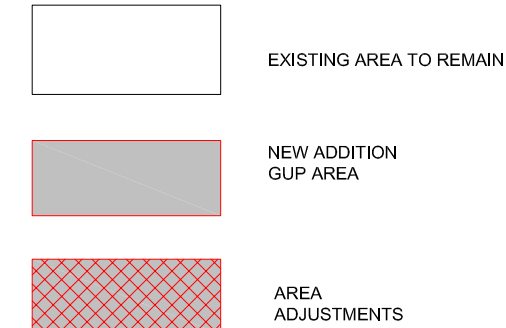
3 GROUND LEVEL PLAN- PROPOSED
1/32"=1'-0"



2 BASEMENT PLAN- PROPOSED
1/32"=1'-0"

GUP AREA

	CBC CHAPTER 5 SQUARE FEET	GOV CODE/GUP SQUARE FEET
Ground Floor	511	511
Adjustments		
Mechanical Shafts	(13)	(13)
Ground Floor Adjusted gsf	498	498
Basement Floor	12,003	12,003
Adjustments		
Janitor Rm- 1J1	-	(106)
Janitor Rm- 1J2	-	(106)
Janitor Rm- 1J3	-	(106)
Mechanical Rm- 1M1	-	(191)
AV Rm- 120B	-	(66)
AV Rm- 128A	-	(60)
AV Rm- 134A	-	(60)
AV Rm- 140A	-	(60)
Pump Rm- 160B	-	(87)
Basement Floor Adjusted gsf	12,003	11,161
Total Adjusted gsf	12,498	11,659



1 BASEMENT PLAN- EXISTING
1/32"=1'-0"

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY



ISSUES AND REVISIONS	
NO.	DESCRIPTION
09.16.22	ASA SET

PROJECT NUMBER
21022

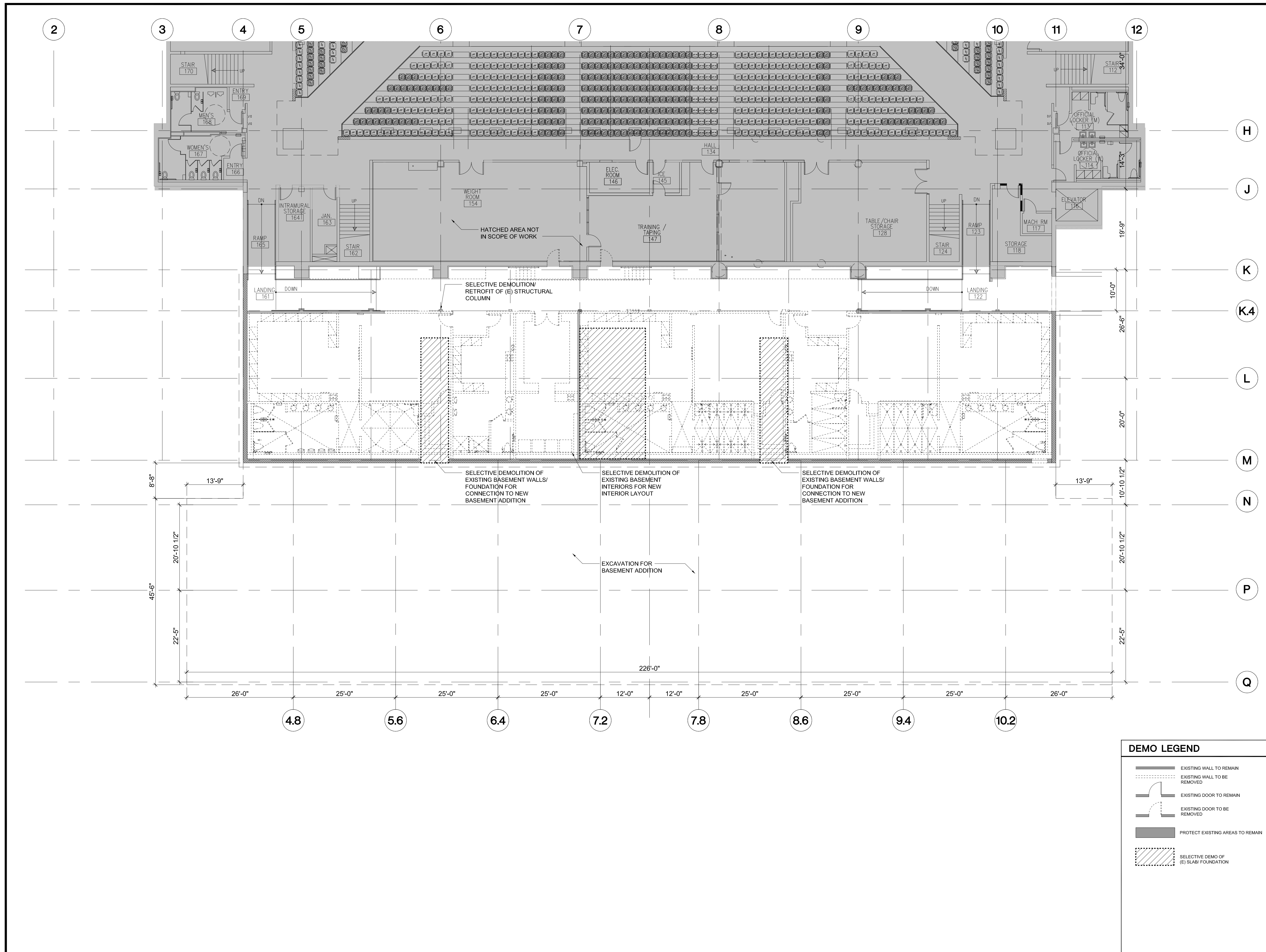
SHEET TITLE
DEMO PLAN
BASEMENT FLOOR

SCALE
3/32"=1'-0"



SHEET NUMBER

A1-3



DEMO LEGEND	
	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	PROTECT EXISTING AREAS TO REMAIN
	SELECTIVE DEMO OF (E) SLAB/ FOUNDATION

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

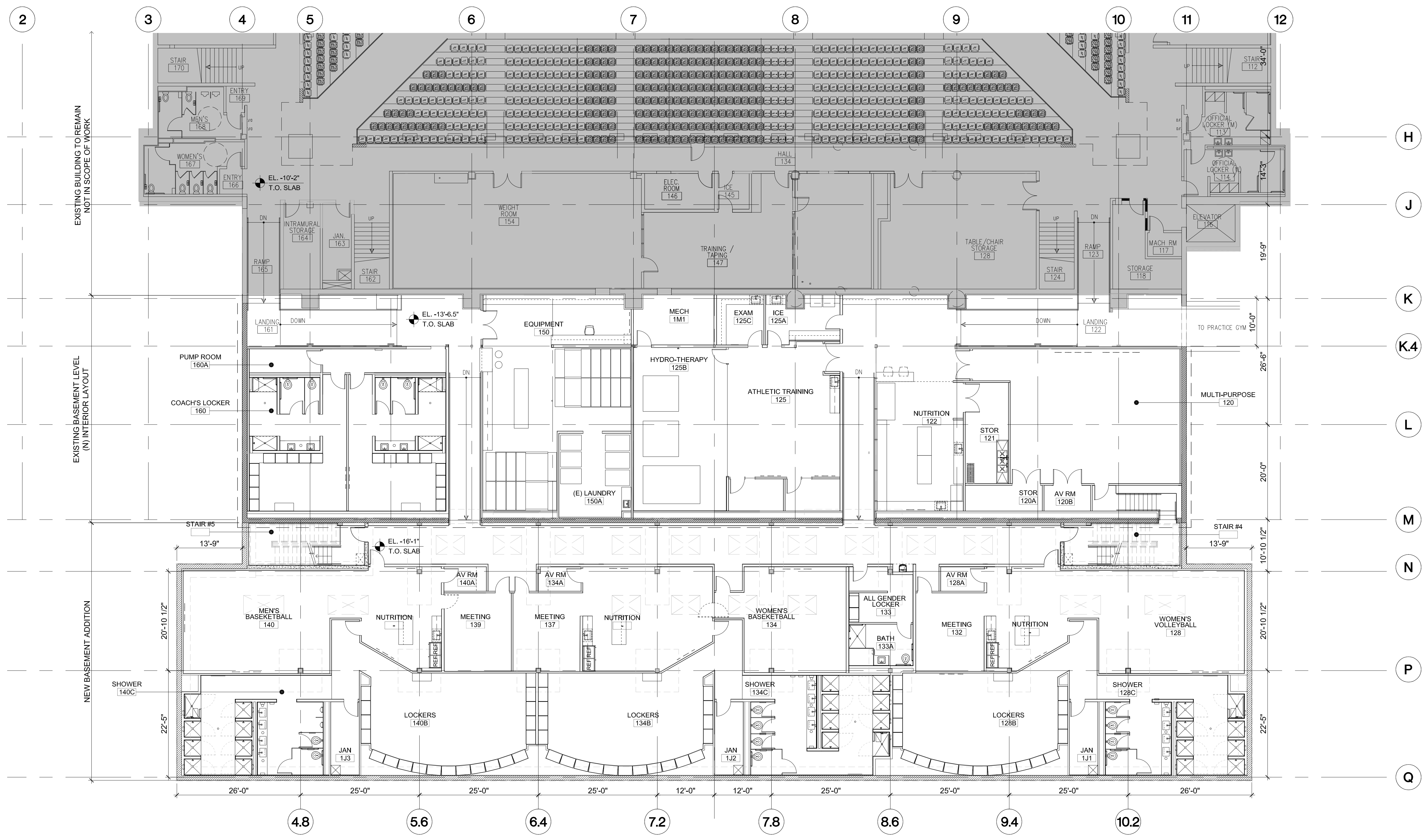
SHEET TITLE
**PROPOSED PLAN
BASEMENT FLOOR**

SCALE
3/32"=1'-0"

NORTH

SHEET NUMBER

A2-0



PLAN LEGEND

- EXISTING WALL TO REMAIN
- NEW WALL
- NEW SKYLIGHTS ABOVE

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY

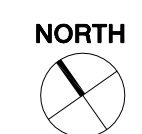


ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
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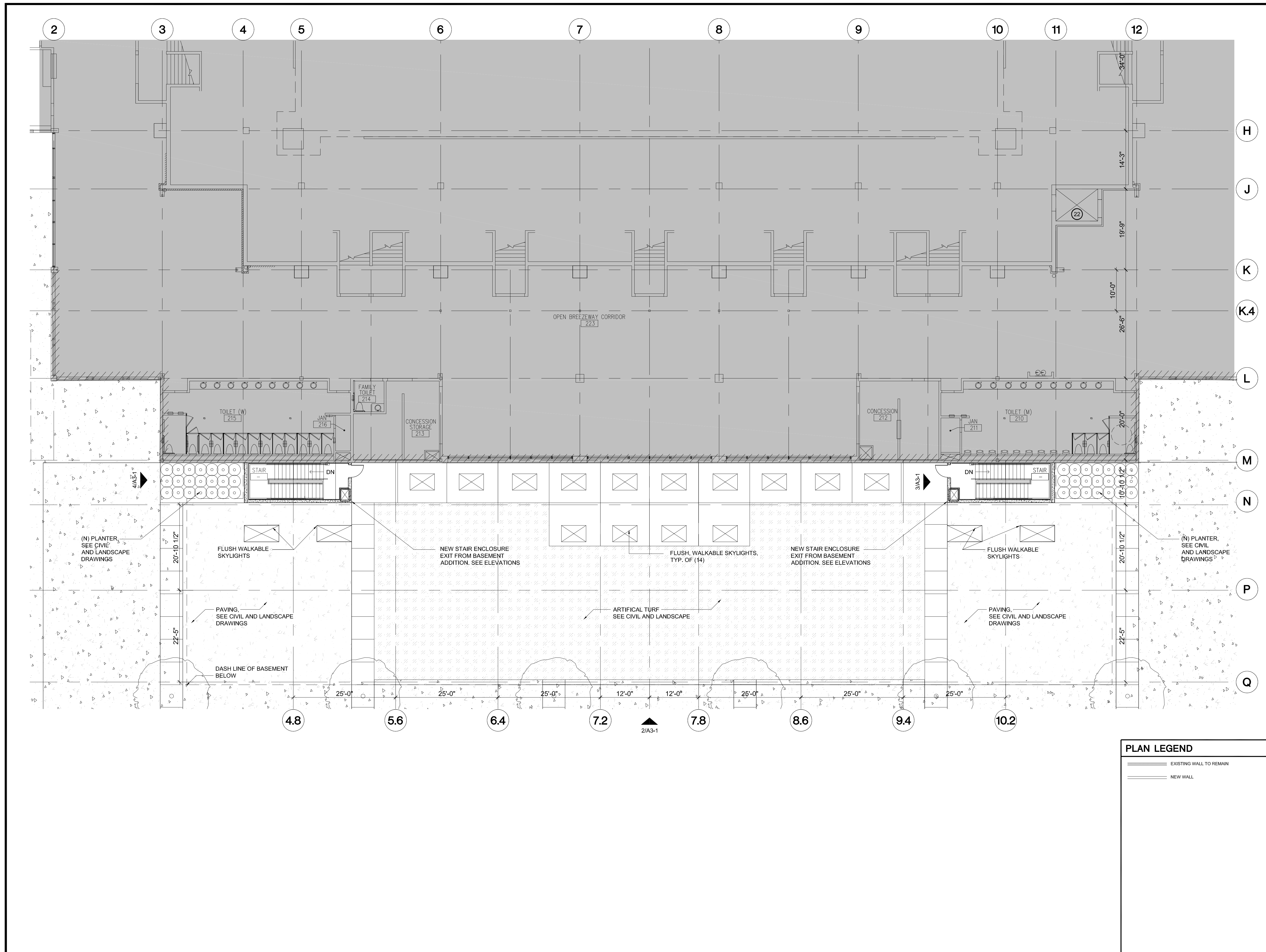
SHEET TITLE
PROPOSED PLAN
GROUND FLOOR

SCALE
3/32"=1'-0"



SHEET NUMBER

A2-1

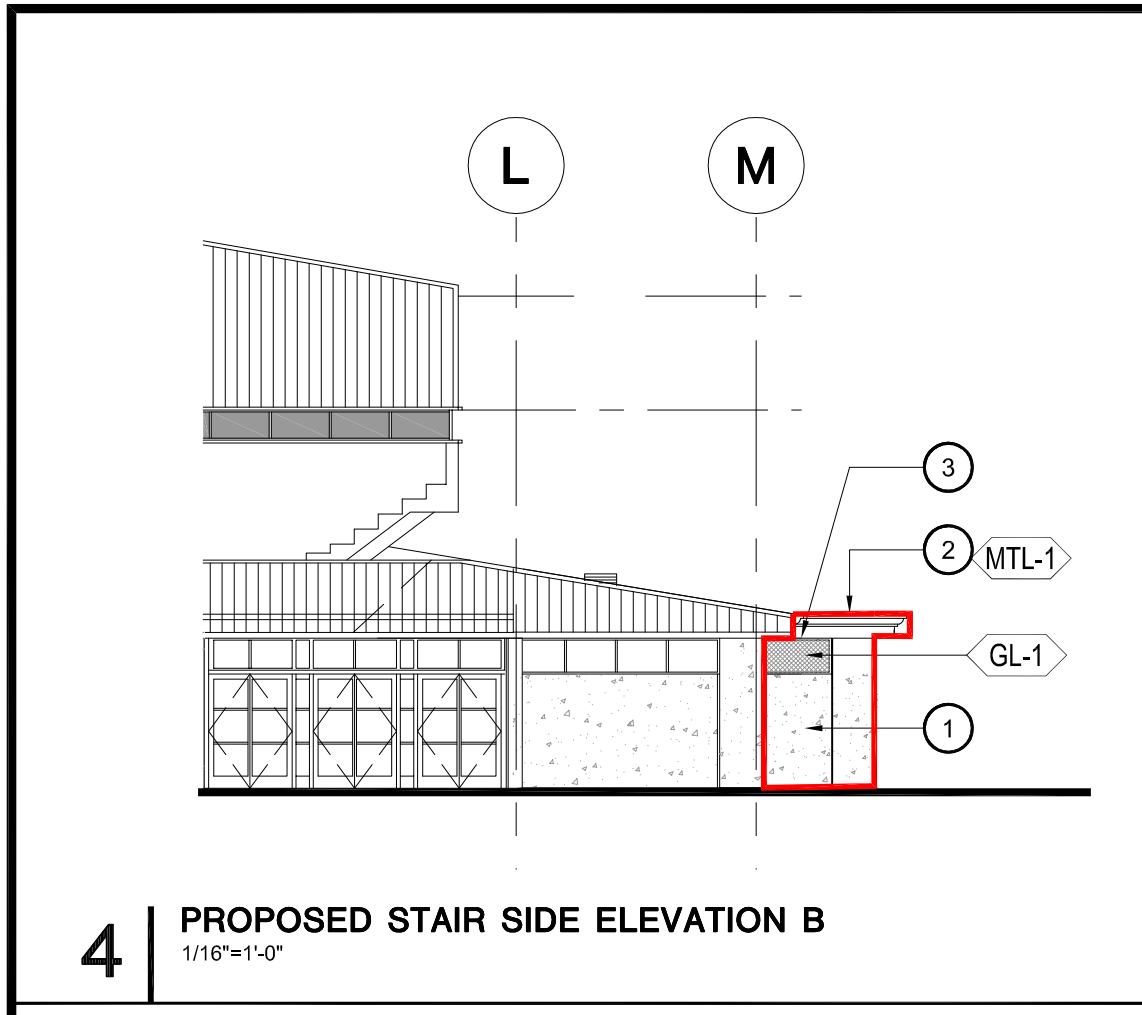


PLAN LEGEND

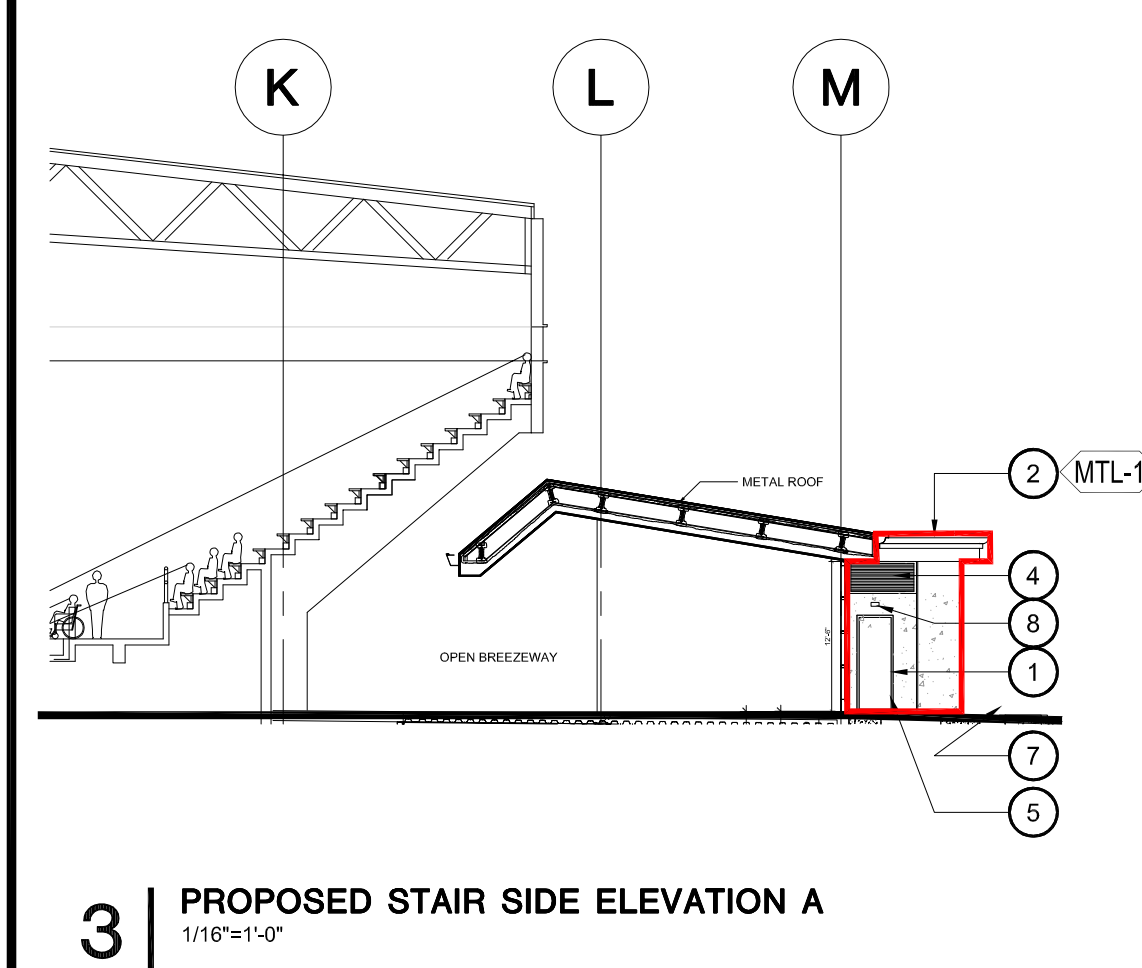
	EXISTING WALL TO REMAIN
	NEW WALL

MAPLES PAVILION
ADDITION

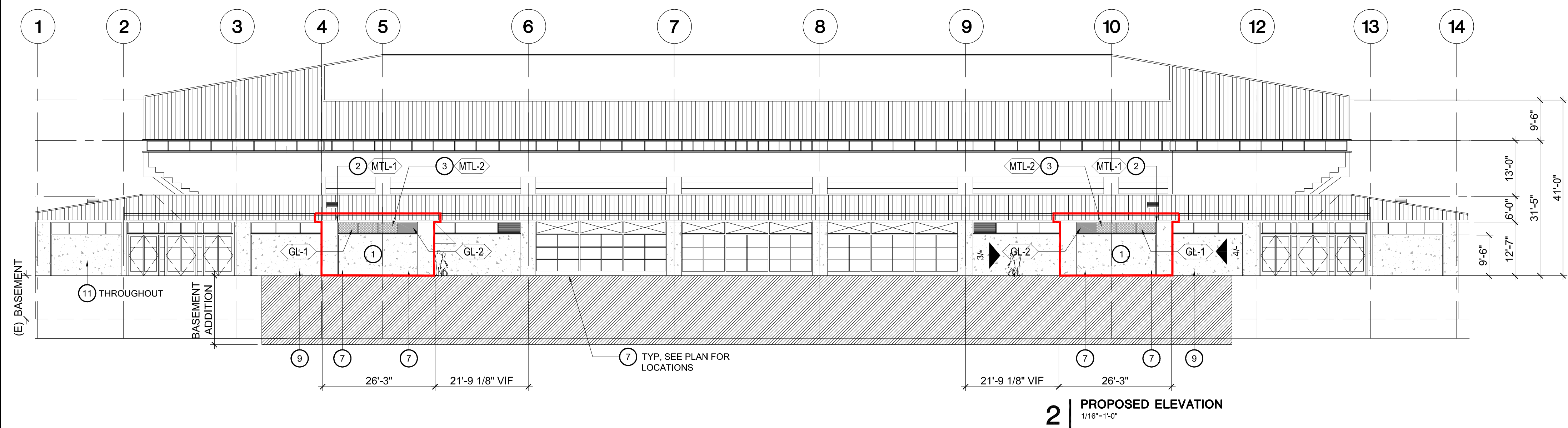
STANFORD UNIVERSITY



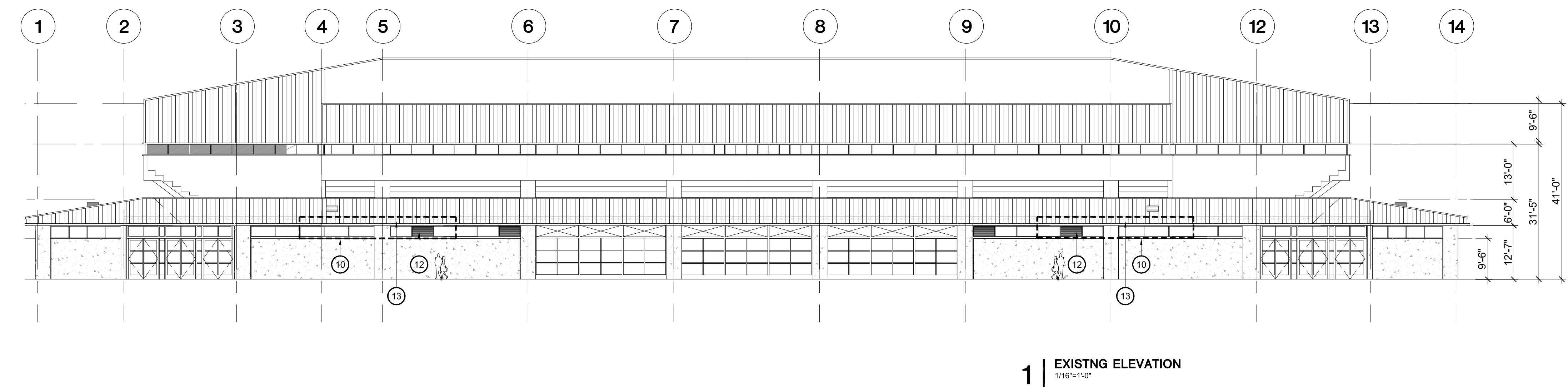
4 | PROPOSED STAIR SIDE ELEVATION B
1/16"=1'-0"



3 | PROPOSED STAIR SIDE ELEVATION A
1/16"=1'-0"



2 | PROPOSED ELEVATION
1/16"=1'-0"



1 | EXISTING ELEVATION
1/16"=1'-0"

ELEVATION LEGEND	
	GL-1 CLEAR VISION GLAZING (MATCH (E) GLAZING IF PERMITTED BY CODE)
	GL-2 CLEAR VISION GLAZING WITH SHADOW BOX BEHIND (MATCH (E) GLAZING IF PERMITTED BY CODE)
	MTL-1 PAINTED METAL PANEL FASCIA TO MATCH (E)
	MTL-2 PAINTED METAL MULLIONS, COLOR TO MATCH (E)
	OUTLINE OF NEW STAIR ENCLOSURE

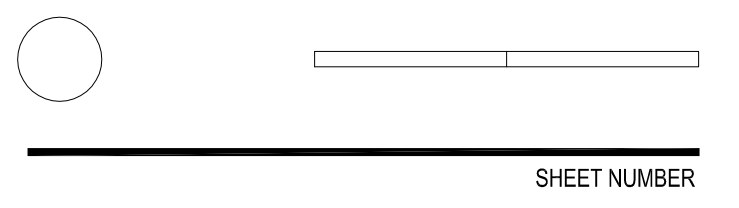
ELEVATION SHEET NOTES	
1	(N) STAIR ENCLOSURE. CONCRETE WALLS, FINISH TO MATCH (E)
2	(N) PAINTED METAL CLADDING TRIM/ GUTTER TO MATCH EXISTING
3	(N) GLAZING WITH MULLIONS, PROFILE TO MATCH (E) BUILDING. REPLACE (E) ADJACENT WINDOWS AS REQUIRED WHERE NEW STAIR WALLS INTERSECT (E) BUILDING
4	(N) PAINTED LOUVER WITH BIRD SCREEN, TO MATCH (E)
5	(N) PAINTED HOLLOW METAL DOOR AND FRAME
6	NOT USED
7	(N) FLUSH SKYLIGHT, SEE PLANS FOR LOCATION AND TYPE
8	(N) WALL MOUNTED LIGHT FIXTURE, ALL ASSOCIATED WIRING SHALL BE CONCEALED
9	(N) CONCRETE PLANTER, S.L.D.
10	SELECTIVE REMOVAL/ RETROFIT OF (E) WINDOWS WHERE NEW STAIR ENCLOSURE WALLS INTERSECT
11	PROVIDE ALLOWANCE FOR NEW PAINT FINISH AT BUILDING EXTERIOR TO REMAIN, THROUGHOUT
12	REMOVE (E) UNUSED LOUVERS AND INFILL WITH FROSTED GLAZING TO MATCH (E) ADJACENT
13	SELECTIVELY DEMO (E) ROOF EAVE/ GUTTER FOR NEW STAIR ROOF EXTENTS

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
EXISTING & PROPOSED ELEVATION

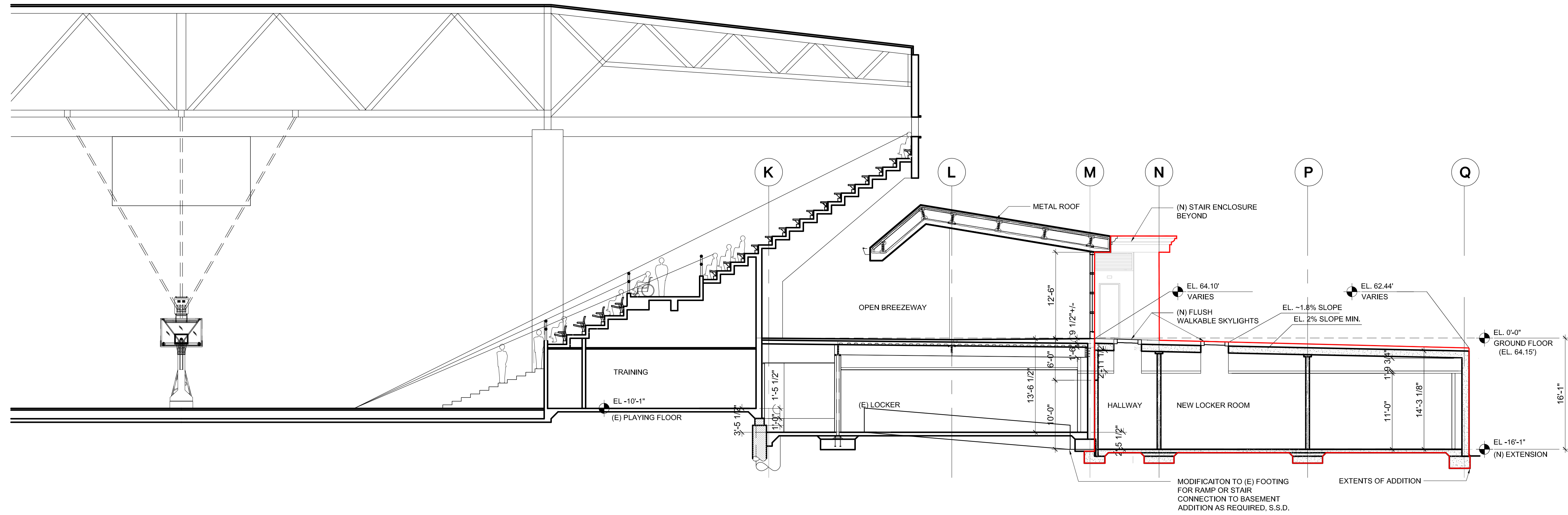
SCALE
AS NOTED



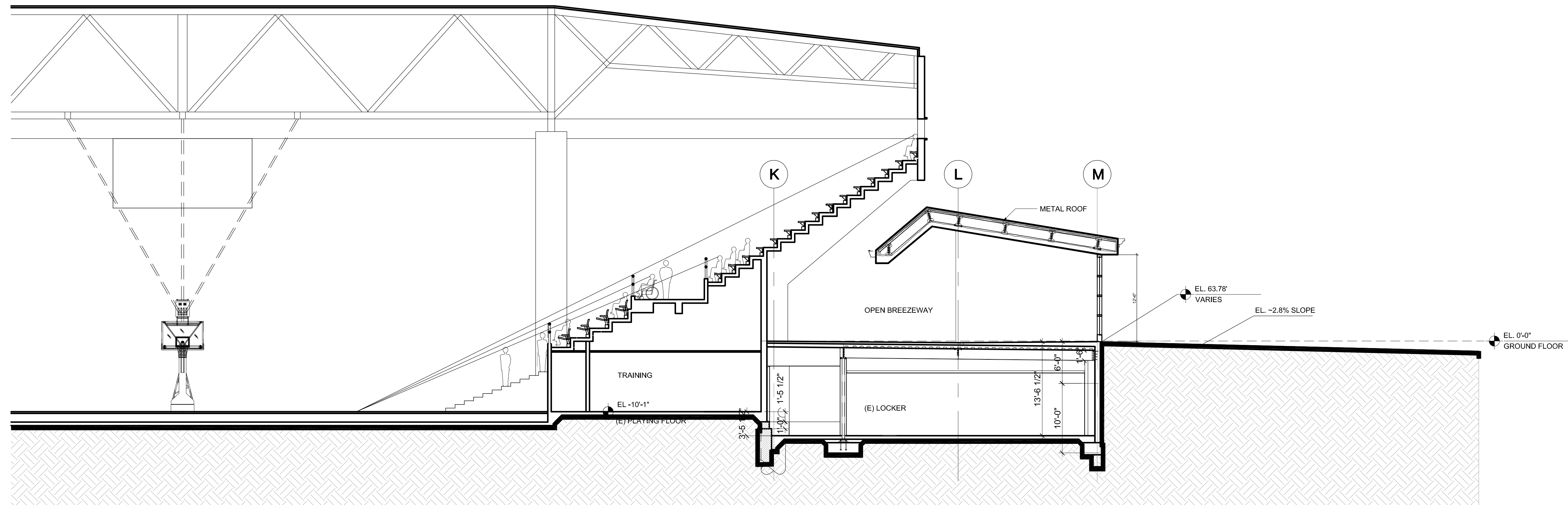
A3-1

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY



2 PROPOSED BASEMENT ADDITION SECTION
1/8"=1'-0"



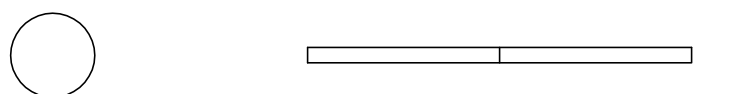
1 EXISTING BASEMENT SECTION FOR REFERENCE
1/8"=1'-0"

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
EXISTING AND PROPOSED SECTIONS

SCALE
AS NOTED



SHEET NUMBER

A3-2

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY

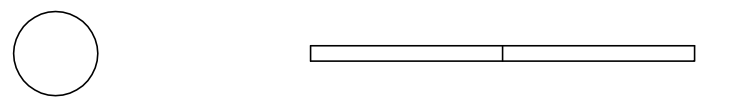


ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
RENDERINGS

SCALE
AS NOTED



SHEET NUMBER

A4-0

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY

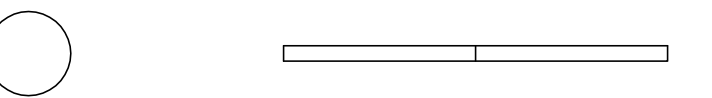


ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
RENDERINGS

SCALE
AS NOTED



SHEET NUMBER

A4-1

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY

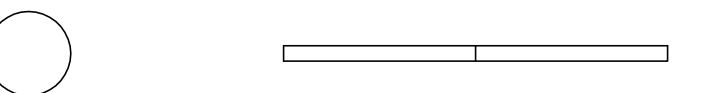


ISSUES AND REVISIONS		
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	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
RENDERINGS

SCALE
AS NOTED



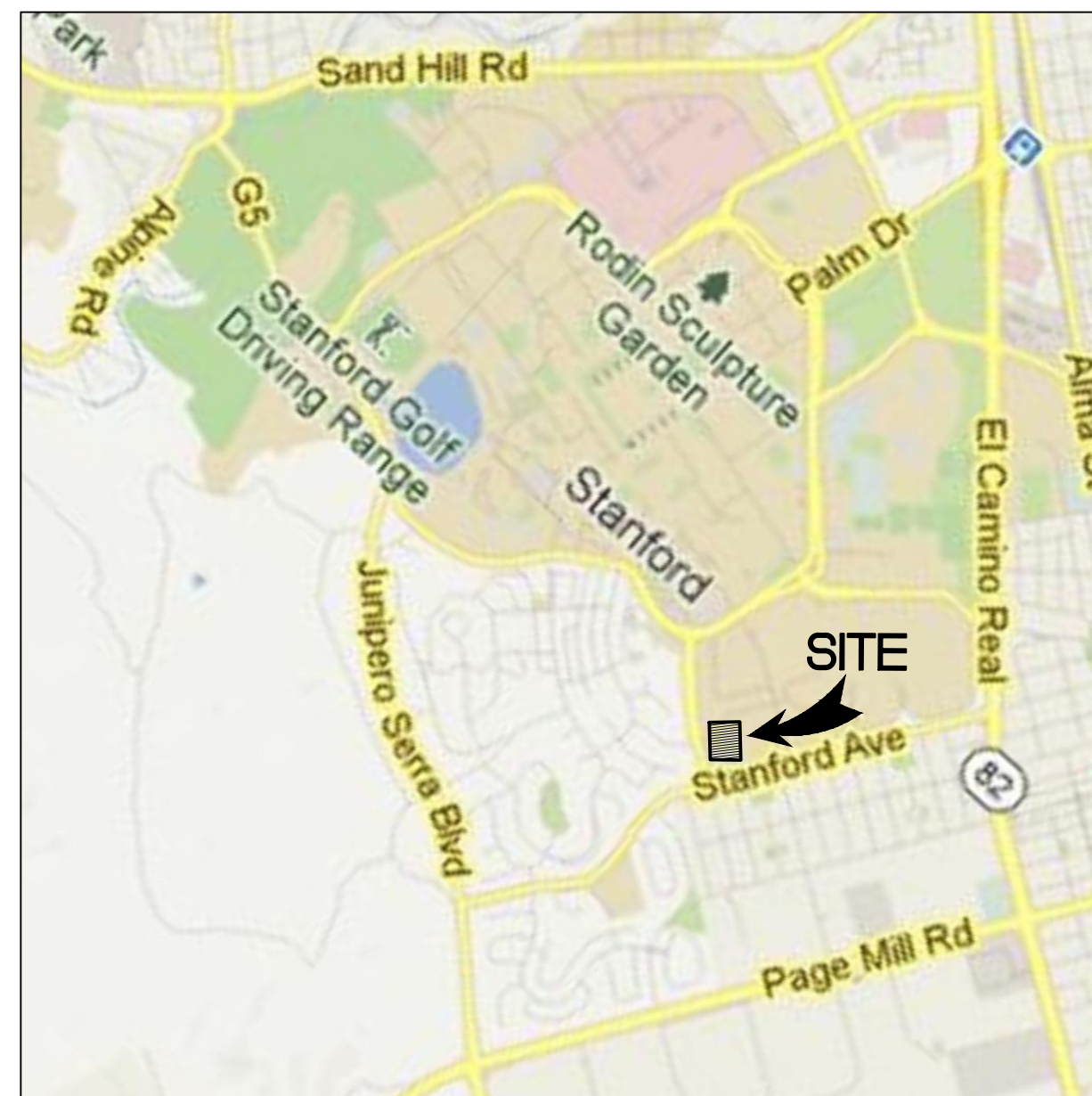
SHEET NUMBER

A4-2

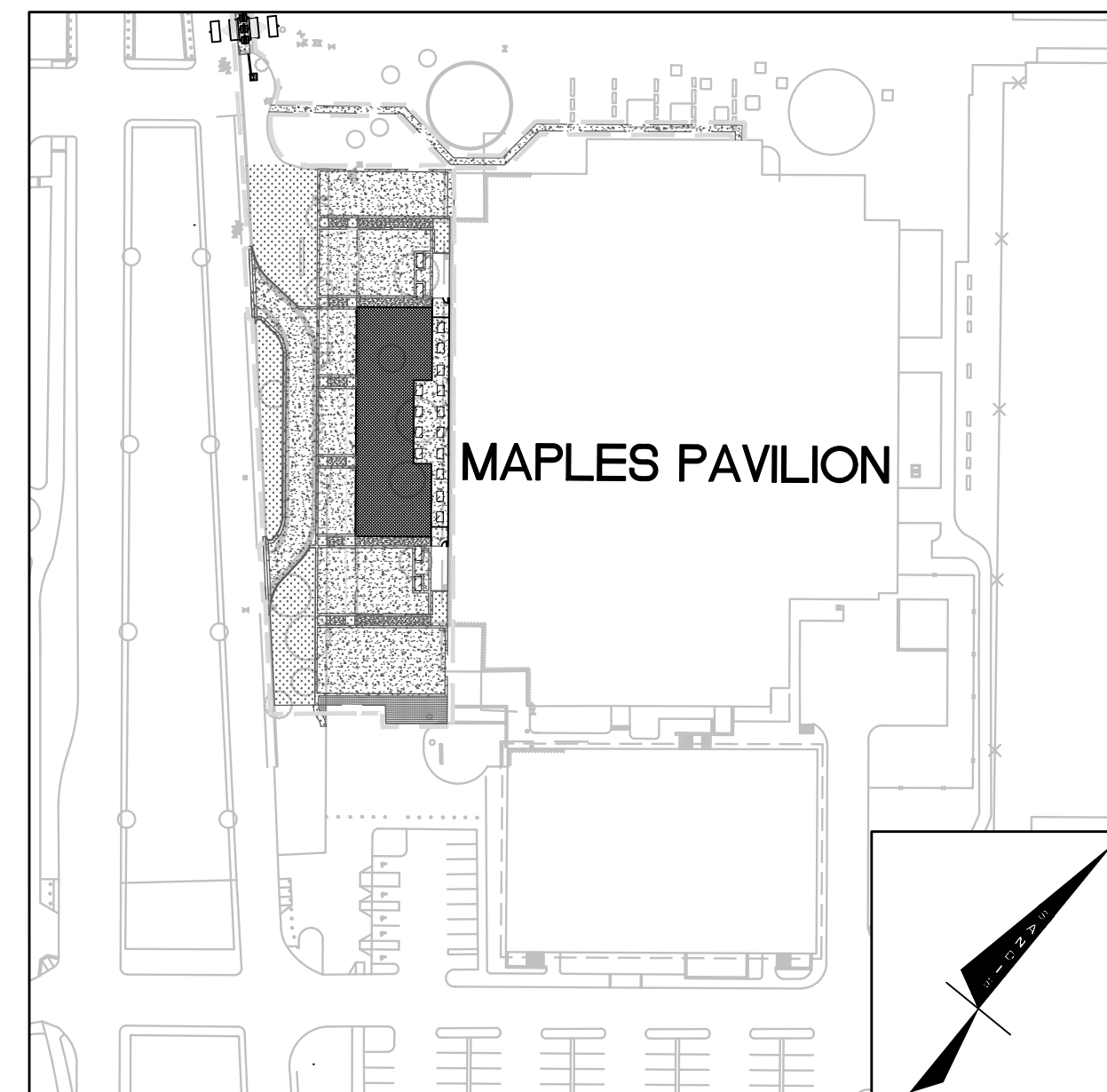
ABBREVIATIONS

- 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
- INV - 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 - MIDPOINT 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 / POINT OF CONTINUOUS CURVATURE
- PIV - 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 - SIFT 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
- TOD - TOP OF DOCK
- TOE - TOE OF SLOPE
- TOS - TOP OF STAIR
- TOW - FG @ TOP OF WALL
- TS - TOP OF SLAB
- TYP - TYPICAL
- UN - UNLESS OTHERWISE NOTED
- UG - UNDERGROUND
- VC - VERTICAL CURVE
- VM - WATER METER
- WV - WATER VALVE
- W - WEST
- WWF - WELDED WIRE FABRIC
- W/ - WITH

MAPLES PAVILLION ADDITION BUILDING 09-300 STANFORD UNIVERSITY STANFORD CALIFORNIA



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

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 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, CAPPING, 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

CLEAR AND GRUB, BUILDING AND PAVEMENT DEMOLITION, UTILITY WORK, TEMPORARY AND PERMANENT EROSION CONTROL, AND ALL OTHER ASSOCIATED WORK FOR EXPANSION OF LOCKER ROOM.

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 2009. 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.

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

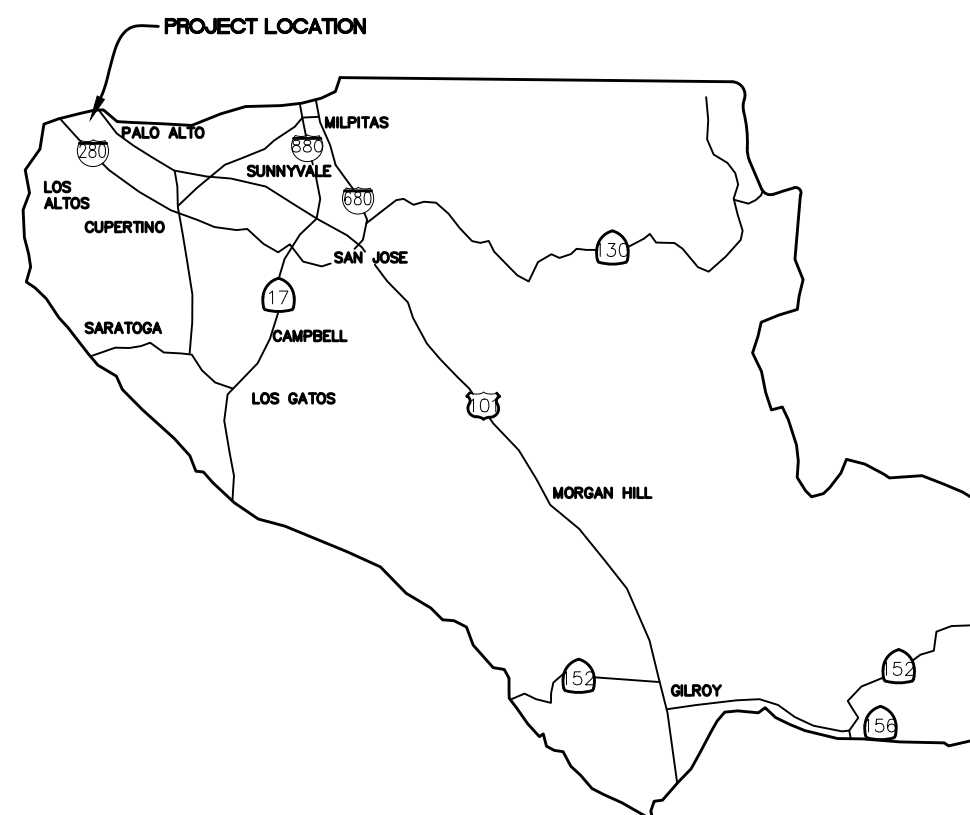
ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS 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: _____

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.



COUNTY LOCATION MAP

LEGEND

	EXISTING	PROPOSED
SAWCUT AND CONFORM LINE	---	---
RETAINING WALL	[Symbol]	[Symbol]
A.C. PAVEMENT	[Symbol]	[Symbol]
CONC. VALLEY GUTTER	[Symbol]	[Symbol]
CONC. SIDEWALK OR PAD	[Symbol]	[Symbol]
6" CURB & GUTTER	[Symbol]	[Symbol]
EDGE OF A.C. PAVEMENT	[Symbol]	[Symbol]
6" VERTICAL CURB	[Symbol]	[Symbol]
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
TRENCH DRAIN	[Symbol]	[Symbol]
CONDENSATE RETURN	CR	CR
FLOW LINE	---	---
CHAIN LINK FENCE	-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	FG 95.94
DIRECTION OF SLOPE	2:1	1%
GAS METER	[Symbol]	GM
GAS VALVE	[Symbol]	GV
WATER METER	[Symbol]	WM
WATER VALVE	[Symbol]	WV
FIRE HYDRANT	[Symbol]	[Symbol]
BACK FLOW PREVENTOR	[Symbol]	[Symbol]
POST INDICATOR VALVE	[Symbol]	PIV
FIRE DEPARTMENT CONNECTION	[Symbol]	[Symbol]
WATER LINE TEE	[Symbol]	[Symbol]
CAP AND PLUG END	[Symbol]	[Symbol]
AIR RELEASE VALVE	[Symbol]	ARV
SIGN	[Symbol]	[Symbol]
ACCESSIBLE RAMP	[Symbol]	[Symbol]
CONCRETE THRUST BLOCK	[Symbol]	[Symbol]
REDUCER	[Symbol]	[Symbol]
SANITARY SEWER MANHOLE	[Symbol]	[Symbol]
SANITARY SEWER CLEANOUT	SSCO	SSCO
STORM DRAIN MANHOLE	[Symbol]	[Symbol]
STORM DRAIN AREA DRAIN	[Symbol]	[Symbol]
STORM DRAIN CATCH BASIN	[Symbol]	[Symbol]
STORM DRAIN CURB INLET	[Symbol]	[Symbol]
STORM DRAIN CLEANOUT	[Symbol]	SDCO
ELECTROTROLER	[Symbol]	[Symbol]
JOINT POLE	[Symbol]	[Symbol]
OVERLAND RELEASE	[Symbol]	[Symbol]
CONSTRUCTION DETAIL REFERENCE	(15)	DETAIL REFERENCE SHEET REFERENCE
	(C5.2)	

MAPLES PAVILLION EXPANSION

STANFORD UNIVERSITY



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET
	12.23.22	ASA RESUBMITTAL SET

PROJECT NUMBER
21022

SHEET TITLE COUNTY COVER SHEET

SCALE
NTS

SHEET NUMBER



C-1.0

COUNTY OF SANTA CLARA
GENERAL CONSTRUCTION SPECIFICATIONS

GENERAL CONDITIONS

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY CORNERSTONE EARTH GROUP. THIS REPORT IS SUPPLEMENTED BY:
 - THESE PLANS AND SPECIFICATIONS,
 - THE COUNTY OF SANTA CLARA STANDARD DETAILS.
 - THE COUNTY OF SANTA CLARA STANDARD SPECS,
 - STATE OF CALIFORNIA STANDARD DETAILS,
 - STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
 IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO THE SATISFACTION OF THE COUNTY.
- DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND THE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE.
- DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL.
- DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
- DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
- THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
- DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
- ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO THE USE OF SPARK ARRESTERS.
- UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (408) 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6-18).
- THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
- ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.
- 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 EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES.
 - WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
 - COVER ALL TRUCK HAULING SOIL, SAND AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
 - 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.
 - SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT CONSTRUCTION SITES.
 - SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL ARE CARRIED ONTO ADJACENT PUBLIC STREETS.
 - HYDROSEED OR APPLY (NON-TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREA (PREVIOUSLY GRADED AREAS INACTIVE FOR TEN DAYS OR MORE).
 - ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON-TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES (DIRT, SAND).
 - LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
 - INSTALL FIBER ROLLS, SAND BAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.
 - REPLANT VEGETATIONS DISTURBED AREAS AS QUICKLY AS POSSIBLE.
 - INSTALL WHEEL WASHERS FOR ALL EXISTING TRUCKS , OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE AND
 - SUSPEND EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.
- PLACE A CONSTRUCTION NOTE ON THE SITE PLAN THAT STATES THE FOLLOWING: "ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT AND EMISSIONS CONTROL " CLEAN FUEL " WHERE FEASIBLE" USE TECHNOLOGY (E.G. CNS 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.
- IN THE EVENT THAT PREVIOUSLY UNIDENTIFIED HISTORIC AND PREHISTORIC ARCHAEOLOGICAL RESOURCES ARE DISCOVERED DURING BUILDING 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.

- IF ARCHEOLOGICAL RESOURCES ARE DISCOVERED AS DESCRIBED ABOVE, CONSTRUCTION MONITORING SHALL BE CONDUCTED AT ANY TIME GROUND-DISTURBING ACTIVITIES (GREATER THAN 12 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 OR 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.
- 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.
- IN THE EVENT THAT 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.

- ONE SIGN SHALL BE POSTED ALONG A STREET FRONTAGE 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. STANFORD SHALL KEEP A WRITTEN RECORD OF ALL SUCH COMPLAINTS AND SHALL PROVIDE COPIES OF THESE RECORDS TO THE COUNTY PLANNING OFFICE.
- CONSTRUCTION MATERIALS AND FILL DIRT DELIVERED FROM OFF CAMPUS SHALL NOT BE DELIVERED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM ON WEEKDAYS.
- TRUCKS EXPORTING/IMPORTING FILL 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.

- CONSTRUCTION STAKING
- THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
 - ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
 - PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE-ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF THE WORK.
 - PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING.

- CONSTRUCTION INSPECTION
- CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
 - THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION.
 - INSPECTION BY SANTA CLARA COUNTY SHALL BE LIMITED TO INSPECTION OF MATERIALS AND PROCESSES OF CONSTRUCTION TO OBSERVE THEIR COMPLIANCE WITH PLANS & SPECIFICATIONS BUT DOES NOT INCLUDE RESPONSIBILITY FOR THE SUPERINTENDENT OF CONSTRUCTION, SITE CONDITIONS, EQUIPMENT OR PERSONNEL. CONTRACTOR SHALL NOTIFY THE COUNTY LAND DEVELOPMENT INSPECTOR AT PHONE (408) 299-6868 AT LEAST 24 HOURS PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE.
 - DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE MUST SUBMIT WRITTEN REQUEST FOR FINAL INSPECTION AND ACCEPTANCE. SAID REQUEST SHALL BE DIRECTED TO THE INSPECTION OFFICE NOTED ON THE PERMIT FORM.
 - THE CONTRACTOR SHALL PROVIDE TO THE COUNTY CONSTRUCTION INSPECTOR WITH PAD ELEVATION AND LOCATION CERTIFICATES, PREPARED BY THE PROJECT ENGINEER OR LAND SURVEYOR, PRIOR COMMENCEMENT OF THE BUILDING FOUNDATION.

- SITE PREPARATION (CLEARING AND GRUBBING)
- EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS:
 - TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE)
 - FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
 - IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION.

UTILITY LOCATION, TRENCHING & BACKFILL

- CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 AT A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.
- ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
- ALL UNDERGROUND INSTALLATIONS SHALL BE IN PLACE AND THE TRENCH BACKFILLED AND COMPACTED BEFORE PLACING AGGREGATE BASE MATERIAL OR SURFACE STRUCTURES. SURFACING MAY BE DONE IF THE UTILITY COMPANY CONCERNED INDICATES BY LETTER THAT IT WILL BORE, UNLESS SPECIFICALLY AUTHORIZED BY THE COUNTY, GAS AND WATER MAINS SHALL BE INSTALLED OUTSIDE THE PAVED AREAS.
- TRENCH BACKFILL IN EXISTING PAVEMENT AREAS SHALL BE SAND MATERIAL IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE SPECIFICATIONS. THE STRUCTURAL SECTION FOR TRENCH REPLACEMENT SHALL CONSIST OF NOT LESS THAN 12 INCHES OF APPROVED AGGREGATE BASE MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% AND 4 INCHES OF HOT ASPHALT CONCRETE PLACED IN TWO LIFTS. TRENCH RESTORATION FOR HIGHER TYPE PAVEMENTS SHALL BE MADE IN KIND OR AS DIRECTED BY THE COUNTY.
- TRENCH BACKFILL IN NEW CONSTRUCTION AREAS SHALL BE SAND MATERIAL COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 90% THE REQUIREMENT FOR SELECT MATERIAL MAY BE WAIVED BY COUNTY IF THE NATIVE SOIL IS SUITABLE FOR USE AS TRENCH BACKFILL BUT THE COMPACTION REQUIREMENTS WILL NOT BE THEREBY WAIVED.
- BACKFILL AND TRENCH RESTORATION REQUIREMENTS SHALL APPLY AS MINIMUM STANDARDS TO ALL UNDERGROUND FACILITIES INSTALLED BY OTHER FIRMS OR PUBLIC AGENCIES.

GRADING

- EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SEPARATELY HAULED AWAY FROM THE SITE WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IT SHALL BE STRIPPED OF ALL VEGETATION, TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE SCARIFIED TO A DEPTH OF 6" BEFORE FILL IS PLACED. WHERE NATURAL GROUND IS STEEPER THAN 5:1, IT SHALL BE BENCHED AND THE FILL KEYPED IN TO ACHIEVE STABILITY. WHERE NEW FILL IS TO BE PLACED ON EXISTING FILL THE EXISTING FILL SHALL BE REMOVED UNTIL MATERIAL COMPACTED TO 90% RELATIVE COMPACTION IS EXPOSED. THEN THE NEW FILL MATERIAL SHALL BE PLACED AS PER THESE CONSTRUCTION NOTES. FILL MATERIAL SHALL BE PLACED IN UNIFORM LIFTS NOT EXCEEDING 6" IN UNCOMPACTED THICKNESS. BEFORE COMPACTION BEGINS, THE FILL SHALL BE BROUGHT TO A WETTER CONDITION THAT WILL PERMIT PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY. EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION OF MOISTURE.
- SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN.
- NO ORGANO MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE REMOVED OUTSIDE OF CUT, FILL OR ROADWAY AREAS.
- THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY.
- MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL SLOPE SHALL 2 HORIZONTAL TO 1 VERTICAL.

ESTIMATED VOLUME OF SITE GRADING	8,100 CUBIC YARDS CUT	70 CUBIC YARDS FILL	8,030 CUBIC YARDS EXPORT
NET			
MAXIMUM DEPTH OF CUT	17.5 FEET		
	FILL 0.1 FOOT		

- EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE.
- NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
- ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
- THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%
- ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.

- THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER FOR BUILDING OCCUPANCY.
 - THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA.
- AIR QUALITY, LANDSCAPING AND EROSION CONTROL
- WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
 - COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
 - 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.
 - SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
 - SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
 - ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.

- ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
- ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
- POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
 - 15 MILES PER HOUR (MPH) SPEED LIMIT
 - 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES
 - TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAINT HOTLINE OF 1-800-334-6367.
- ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
- ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH.
- ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SDB.
- ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP-RAP. ENERGY DISSIPATORS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
- THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
- PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDD IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
- PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY RELEASE BY THE BUILDING INSPECTION OFFICE.
- THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.

ACCESS ROADS AND DRIVEWAYS

- DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES PER FOOT).
- ALL DRIVEWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15%~~XXXX~~ LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2-INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING
- ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.

RETAINING WALLS

- REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR AND ENGINEER OF RECORD PRIOR TO POURING THE FOUNDATION AND FORMING THE WALL.
- SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR.

STREET LIGHTING

- PACIFIC GAS & ELECTRIC ELECTROILER SERVICE FEE SHALL BE PAID BY THE DEVELOPER AND/OR HIS AUTHORIZED REPRESENTATIVE.

STORM DRAINAGE

- DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES IN A MANNER WHICH WILL PRECLUDE ANY HAZARD TO LIFE, HEALTH, OR DAMAGE TO ADJOINING PROPERTY.
 - DROP INLETS SHALL BE COUNTY STANDARD TYPE 5 UNLESS OTHERWISE NOTED ON THE PLANS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF DROP INLETS. WHERE STREET PROFILE GRADE EXCEEDS 8%~~XXXX~~ DROP INLETS SHALL BE SET AT 500 ANGLE CURB LINE TO ACCEPT WATER OR AS SHOWN ON THE PLANS.
 - WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SHALE OR TO AN OPEN AREA FOR SHEET FLOW.
 - UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
- THE COUNTY ENGINEERING INSPECTOR SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS PRIOR TO BACKFILL.

SANITARY SEWER

- ALL MATERIALS AND METHODS OF CONSTRUCTION OF SANITARY SEWERS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTION INVOLVED. INSPECTION OF SANITARY SEWER WORK SHALL BE DONE BY SAID JURISDICTION.

PORTLAND CEMENT CONCRETE

- CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD. THE CONCRETE MIX DESIGN SHALL BE UNDER THE CONTINUAL CONTROL OF THE COUNTY INSPECTOR.

AS-BUILT PLANS STATEMENT

THIS IS A TRUE COPY OF THE AS-BUILT PLANS.
THERE (___ WERE) (___ WERE NOT) MINOR FIELD CHANGES – MARKED WITH THE SYMBOL (?).
THERE (___ WERE) (___ WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL .
DATE _____ SIGNATURE _____

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER CONSTRUCTION.

CONSTRUCTION / ENCROACHMENT / GRADING PERMIT

PERMIT(S) NO.: _____
FILE(S) NO.: _____
ISSUED BY: _____ DATE: _____

LAND DEVELOPMENT ENGINEERING & SURVEYING
DEVELOPMENT SERVICES OFFICE
COUNTY OF SANTA CLARA

GENERAL NOTES

- THE WATER AND SANITARY UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.
- THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.

TREE PROTECTION NOTES

- THE GENERAL CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO PRESERVE AND PROTECT ALL EXISTING TREES SHOWN TO REMAIN:
 - PRIOR TO COMMENCEMENT OF DEMOLITION, GRADING AND CONSTRUCTION, TEMPORARY FENCING SHALL BE INSTALLED AT THE DRIP LINE OF EACH TREE TO BE PRESERVED. REFER TO DETAIL, FENCED AREAS SHALL NOT BE VIOLATED DURING CONSTRUCTION.
 - ALL EXISTING ON SITE TREES INDICATED TO REMAIN SHALL BE TRIMMED BY A LICENSED ARBORIST FOUR WEEKS PRIOR TO COMMENCEMENT OF DEMOLITION OR GRADING OPERATIONS. ALL BROKEN OR BRUISED BRANCHES AND DEAD WOOD SHALL BE REMOVED. ALL CUTS OVER 2" DIAMETER SHALL BE PAINTED WITH "TREE SEAL" OR APPROVED EQUAL. IN NO CASE SHALL ANY TREE BE TOPPED.
 - ALL EXISTING ON SITE TREES INDICATED TO REMAINS SHALL BE FERTILIZED BY ROOT INJECTION BY A LICENSED ARBORIST FOUR WEEKS PRIOR TO COMMENCEMENT OF GRADING OR DEMOLITION OPERATIONS.

- ALL EXISTING ON-SITE TREES INDICATED TO REMAIN SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. NO GRADING IS PERMITTED WITHIN THE DRIP-LINE OF ANY TREE INDICATED TO REMAIN. NO DEBRIS OR MATERIALS SHALL BE STOCKPILED AROUND THE BASE OF THE TREES. NO TRADESMAN SHALL DUMP DEBRIS OR FLUIDS WITHIN THE DRIP-LINE OF ANY TREES (PLASTER, PAINT, THINNER, ETC.). ALL TREES SHALL BE FENCED BY THE GENERAL CONTRACTOR TO AVOID COMPACTION OF THE TREE'S ROOT SYSTEM AND DAMAGE TO THE BARK. THE FENCE SHALL BE SIX FEET HIGH, AND EXTEND OUT TO THE DRIP-LINE OF THE TREE.
- ALL EXISTING ON-SITE TREES INDICATED TO REMAIN SHALL BE WATERED BY THE GENERAL CONTRACTOR CONTINUOUSLY DURING THE COURSE OF CONSTRUCTION. IF POTABLE WATER IS NOT AVAILABLE ON THE SITE, A WATERING TRUCK SHALL BE EMPLOYED TO ACCOMPLISH THE WATERING.
- DO NOT DISTURB SURFACE SOIL WITHIN TREE DRIP-LINE EXCEPT AS MANDATED BY CONSTRUCTION PLANS.
- DURING PERIODS OF EXTENDED DROUGHT, SPRAY WOAOK TREES TO REMOVE ACCUMULATED CONSTRUCTION.
- GRADE IN LINES RADIAL TO THE EXISTING TREE RATHER THAN TANGENTIAL. IF ROOTS ARE ENCOUNTERED WHILE GRADING, CUT THEM CLEANLY WITH A SAW. DO NOT RIP THEM WITH GRADING EQUIPMENT.
- DO NOT ATTEMPT DEMOLITION OF TREES WITH GRADING EQUIPMENT WHEN TREES THAT ARE TO BE PRESERVED ARE IN THE VICINITY.

TREE REMOVAL NOTES

- THE LOCATION OF ALL SERVICE RUNS SUCH AS WATER SUPPLY, SEWER, ELECTRICITY, TELEPHONES, CABLE, GAS, STORM DRAIN LINES, ETC. SHALL BE ASCERTAINED BEFORE TREE REMOVAL WORK IS STARTED. WHERE SUCH LINES WILL BE AFFECTED BY TREE REMOVAL, OR WHERE TREE REMOVAL MACHINERY WILL BE WORKING NEARBY, LINES SHOULD BE CAREFULLY SEALED OFF, PROTECTED OR DIVERTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE NECESSARY PRECAUTIONARY ACTIONS.
- REMOVE ONLY THOSE TREES INDICATED ON THIS PLAN TO BE REMOVED. TREES INDICATED TO BE REMOVED SHALL HAVE ALL ROOTS AND STUMP REMOVED TO A DEPTH OF 24" BELOW GRADE.

MAPLES PAVILION
EXPANSION



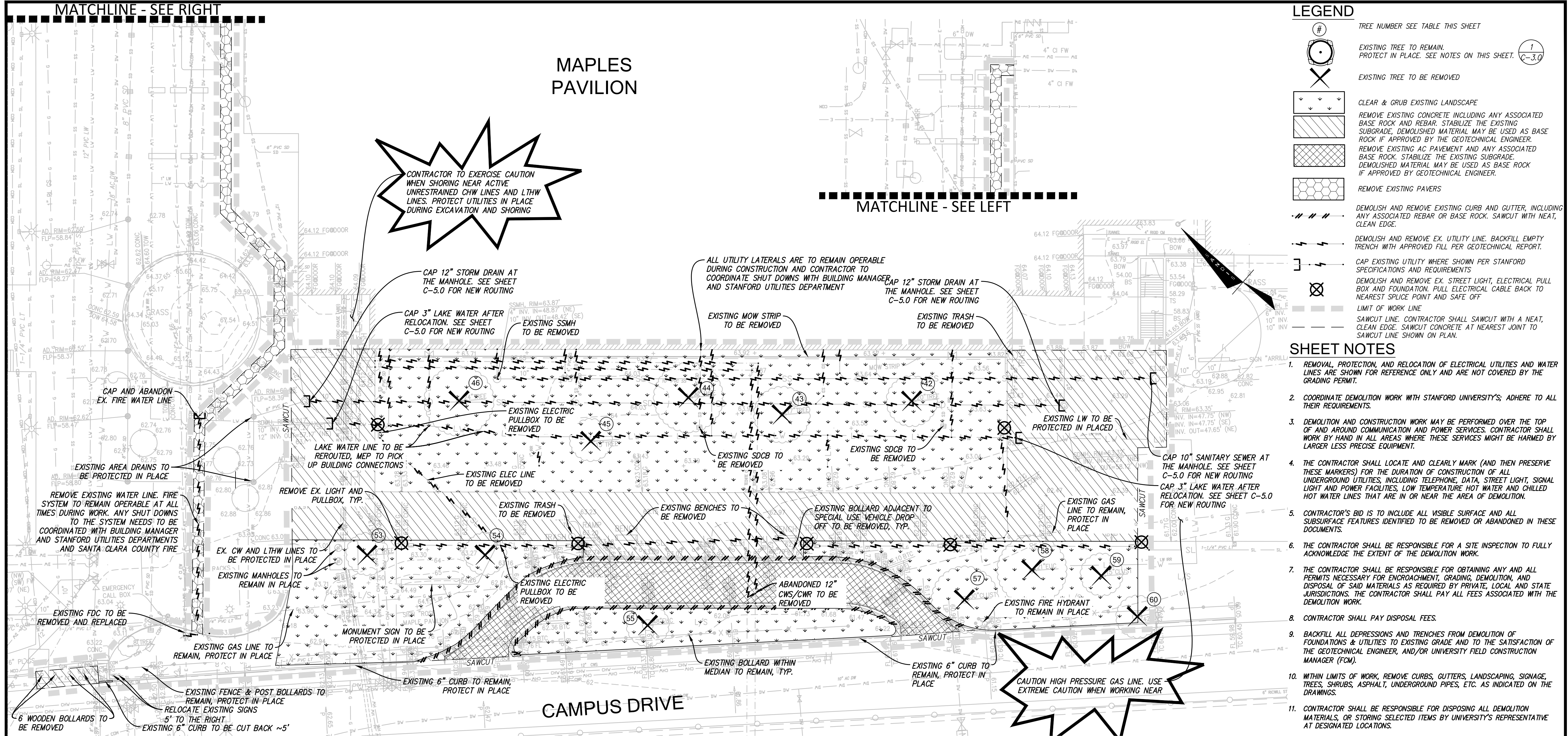
ISSUES AND REVISIONS	
NO.	DESCRIPTION
09.16.22	ASA SET
12.23.22	ASA RESUBMITTAL SET
PROJECT NUMBER	
21022	
SHEET TITLE	
CONSTRUCTION NOTES	
SCALE	
N/T	
SHEET NUMBER	

C-1.1

MATCHLINE - SEE RIGHT

MAPLES PAVILION

MATCHLINE - SEE LEFT



LEGEND

- TREE NUMBER SEE TABLE THIS SHEET
- EXISTING TREE TO REMAIN. PROTECT IN PLACE. SEE NOTES ON THIS SHEET.
- EXISTING TREE TO BE REMOVED
- CLEAR & GRUB EXISTING LANDSCAPE
- 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
- DEMOLISH AND REMOVE EXISTING CURB AND GUTTER, INCLUDING ANY ASSOCIATED REBAR OR BASE ROCK. SAWCUT WITH NEAT, CLEAN EDGE.
- DEMOLISH AND REMOVE EX. UTILITY LINE. BACKFILL EMPTY TRENCH WITH APPROVED FILL PER GEOTECHNICAL REPORT.
- CAP EXISTING UTILITY WHERE SHOWN PER STANFORD SPECIFICATIONS AND REQUIREMENTS
- DEMOLISH AND REMOVE EX. STREET LIGHT, ELECTRICAL PULL BOX AND FOUNDATION. PULL ELECTRICAL CABLE BACK TO NEAREST SPLICE POINT AND SAFE OFF
- 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.

- ### SHEET NOTES
1. REMOVAL, PROTECTION, AND RELOCATION OF ELECTRICAL UTILITIES AND WATER LINES ARE SHOWN FOR REFERENCE ONLY AND ARE NOT COVERED BY THE GRADING PERMIT.
 2. COORDINATE DEMOLITION WORK WITH STANFORD UNIVERSITY'S; ADHERE TO ALL THEIR REQUIREMENTS.
 3. 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.
 4. 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.
 5. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
 7. 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.
 8. CONTRACTOR SHALL PAY DISPOSAL FEES.
 9. 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).
 10. WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SHRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE DRAWINGS.
 11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY UNIVERSITY'S REPRESENTATIVE AT DESIGNATED LOCATIONS.
 12. PRIOR TO BEGINNING DEMOLITION WORK, CONTRACTOR TO NOTIFY AND COORDINATE THE REMOVAL AND/OR ABANDONMENT OF ALL AFFECTED UTILITIES WITH THE FCM.
 13. CONTRACTOR RESPONSIBLE FOR PREPARING WASTE MANAGEMENT PLAN, TRAINING OF EMPLOYEES & SUBCONTRACTORS, AND ENSURING PROPER REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIALS.
 14. 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.
 15. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, USA, FOR LOCATION AND MARKING OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION
 16. 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 FENCINGS, GATES, BARRICADES, SIGNAGE, AND PROVISIONS FOR ENSURING THE PROJECT'S SECURITY AND SAFE PASSAGEWAY AROUND IT.
 17. CONTRACTOR SHALL GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPLOYED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TABS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
 18. CONTRACTOR SHALL CLEAR AND GRUB WITHIN LIMIT OF WORK AS NEEDED TO PERFORM DEMOLITION ACTIVITIES.
 19. SAWCUT & REMOVE HARDSCAPE SUCH AS, BUT NOT LIMITED TO, AC PAVEMENT, CURB, SIDEWALK, ETC.
 20. 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.
 21. CONTRACTOR TO GRIND/ROUND CONCRETE EDGE AFTER SAWCUTTING TO MAINTAIN APPEARANCE AND SAFETY.
 22. CONTRACTOR SHALL SCHEDULE MEETING WITH STANFORD ARBORIST AND UA/CPD FOR REVIEW OF THE TREE PROTECTION PRIOR TO START OF CONSTRUCTION.
 23. CONTRACTOR TO SCHEDULE MEETING WITH HIGH VOLTAGE SHOP PRIOR TO REMOVING ANY EXISTING PULLBOXES.

MAPLES PAVILION EXPANSION

STANFORD UNIVERSITY



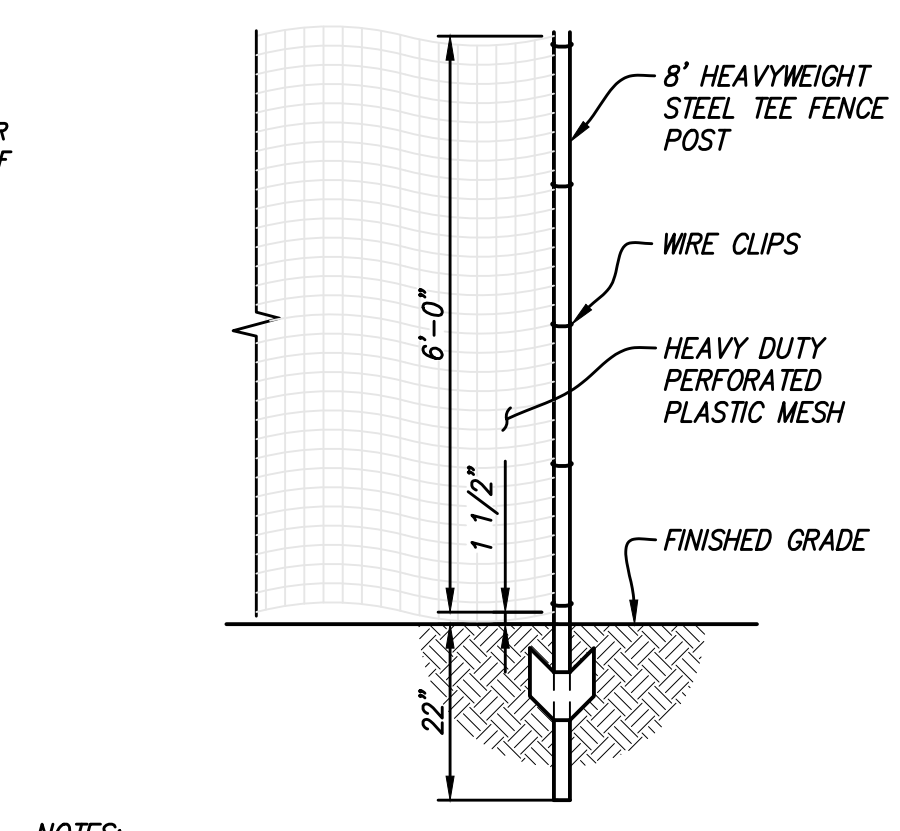
ARCHITECTS



NO.	DATE	DESCRIPTION	ISSUES AND REVISIONS
09.16.22		ASA SET	
12.23.22		ASA RESUBMITTAL SET	

STANFORD UNIVERSITY TREE PROTECTION PROCEDURES SUMMARY

1. 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.
2. 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.
3. A STANFORD GROUNDS CERTIFIED ARBORIST SHALL BE CONTACTED TO EVALUATE ALL WORK WITHIN ANY TREES ROOT ZONES.
4. ALL TREES TO REMAIN ON A PROJECT SHALL HAVE PROTECTIVE FENCING INSTALLED PER THE TREE PROTECTION DRAWING INCLUDED IN THE PLAN SET.
5. 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.
6. 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.
7. 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.
8. CONSTRUCTION MATERIALS/EQUIPMENT/PERSONAL VEHICLES SHALL NOT BE STORED, PARKED OR TEMPORARILY PLACED IN THE ROOT ZONE OF ANY TREE. NOTHING SHALL BE STORED OR PLACED TEMPORARILY WITHIN PROTECTIVE FENCING. THERE SHALL BE NO STORAGE OF DUMPSTERS OR ACCUMULATED DEBRIS FROM DEMOLITION ON OR AROUND THE ROOT ZONES OF EXISTING TREES AND SHRUBS.
9. 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.
10. 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.
11. 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.
12. EXISTING TREES SHALL BE MONITORED WEEKLY AND IRRIGATED AS NEEDED DURING THE COURSE OF CONSTRUCTION.
13. NO LIME OR OTHER SOIL TREATMENT SHALL BE APPLIED WITHOUT THE CONSENT OF A STANFORD GROUNDS CERTIFIED ARBORIST.
14. ALL TRENCHING SHALL CONFORM TO THE FOLLOWING GUIDELINES.
 - A. 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.
 - B. ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE SEVERED WITHOUT CALLING A STANFORD GROUNDS CERTIFIED ARBORIST FOR CUTTING OR REVIEW.
 - C. TUNNELING OR BORING UNDER ROOTS RATHER THAN PRUNING IS PREFERRED.
 - D. 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.
 - E. ALL ROOTS THAT NEED TO BE CUT SHALL BE PERPENDICULAR PRUNED CLEANLY, NOT TORN.



NOTES:
 1. THE DRIFLINE 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.

TREE PROTECTION DETAIL 1

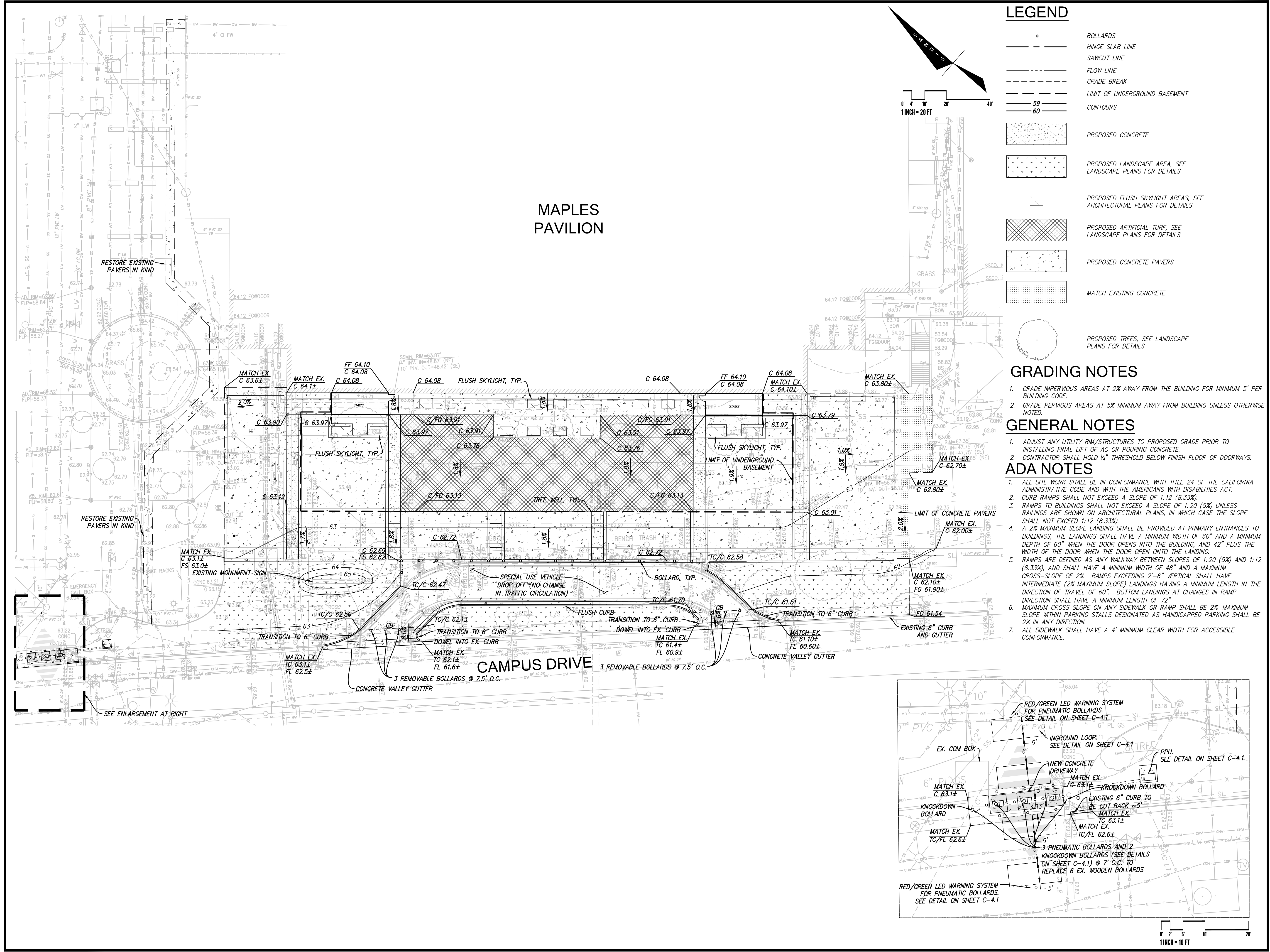
N.T.S.

TREE DISPOSITION TABLE

TREE TAG	BOTANICAL & COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	STATUS	PROTECTED STATUS
42	DEODAR CEDAR (CEDRUS DEODARA)	20.1	REMOVE	NOT PROTECTED
43	DEODAR CEDAR (CEDRUS DEODARA)	16.4	REMOVE	NOT PROTECTED
44	DEODAR CEDAR (CEDRUS DEODARA)	22.8	REMOVE	NOT PROTECTED
45	DEODAR CEDAR (CEDRUS DEODARA)	16.2	REMOVE	NOT PROTECTED
46	DEODAR CEDAR (CEDRUS DEODARA)	25.9	REMOVE	NOT PROTECTED
53	HACKLEBERRY SPECIES (CELTIS SP.)	12.6	REMOVE	NOT PROTECTED
54	HACKLEBERRY SPECIES (CELTIS SP.)	12.9	REMOVE	NOT PROTECTED
55	EUCALYPTUS SPECIES (EUCALYPTUS SP.)	44.5	REMOVE	NOT PROTECTED
57	EUCALYPTUS SPECIES (EUCALYPTUS SP.)	74.8	REMOVE	NOT PROTECTED
58	EUCALYPTUS SPECIES (EUCALYPTUS SP.)	23.7	REMOVE	NOT PROTECTED
59	RIVER RED GUM (EUCALYPTUS CAMALDULENSIS)	36.3	REMOVE	NOT PROTECTED
60	EUCALYPTUS SPECIES (EUCALYPTUS SP.)	41	REMOVE	NOT PROTECTED

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.

C-2.0



LEGEND

- BOLLARDS
- HINGE SLAB LINE
- - - SAWCUT LINE
- FLOW LINE
- - - GRADE BREAK
- - - LIMIT OF UNDERGROUND BASEMENT
- 59 CONTOURS
- 60 CONTOURS
- [Pattern] PROPOSED CONCRETE
- [Pattern] PROPOSED LANDSCAPE AREA, SEE LANDSCAPE PLANS FOR DETAILS
- [Pattern] PROPOSED FLUSH SKYLIGHT AREAS, SEE ARCHITECTURAL PLANS FOR DETAILS
- [Pattern] PROPOSED ARTIFICIAL TURF, SEE LANDSCAPE PLANS FOR DETAILS
- [Pattern] PROPOSED CONCRETE PAVERS
- [Pattern] MATCH EXISTING CONCRETE
- [Symbol] PROPOSED TREES, SEE LANDSCAPE PLANS FOR DETAILS

GRADING NOTES

1. GRADE IMPERVIOUS AREAS AT 2% AWAY FROM THE BUILDING FOR MINIMUM 5' PER BUILDING CODE.
2. GRADE PEROVIOUS AREAS AT 5% MINIMUM AWAY FROM BUILDING UNLESS OTHERWISE NOTED.

GENERAL NOTES

1. ADJUST ANY UTILITY RIM/STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.
2. CONTRACTOR SHALL HOLD 1/4" THRESHOLD BELOW FINISH FLOOR OF DOORWAYS.

ADA NOTES

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
3. RAMPS TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%).
4. A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY 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 ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
6. MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2% MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS HANDICAPPED PARKING SHALL BE 2% IN ANY DIRECTION.
7. ALL SIDEWALK SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

MAPLES PAVILION EXPANSION

STANFORD UNIVERSITY



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET
	12.23.22	ASA RESUBMITTAL SET

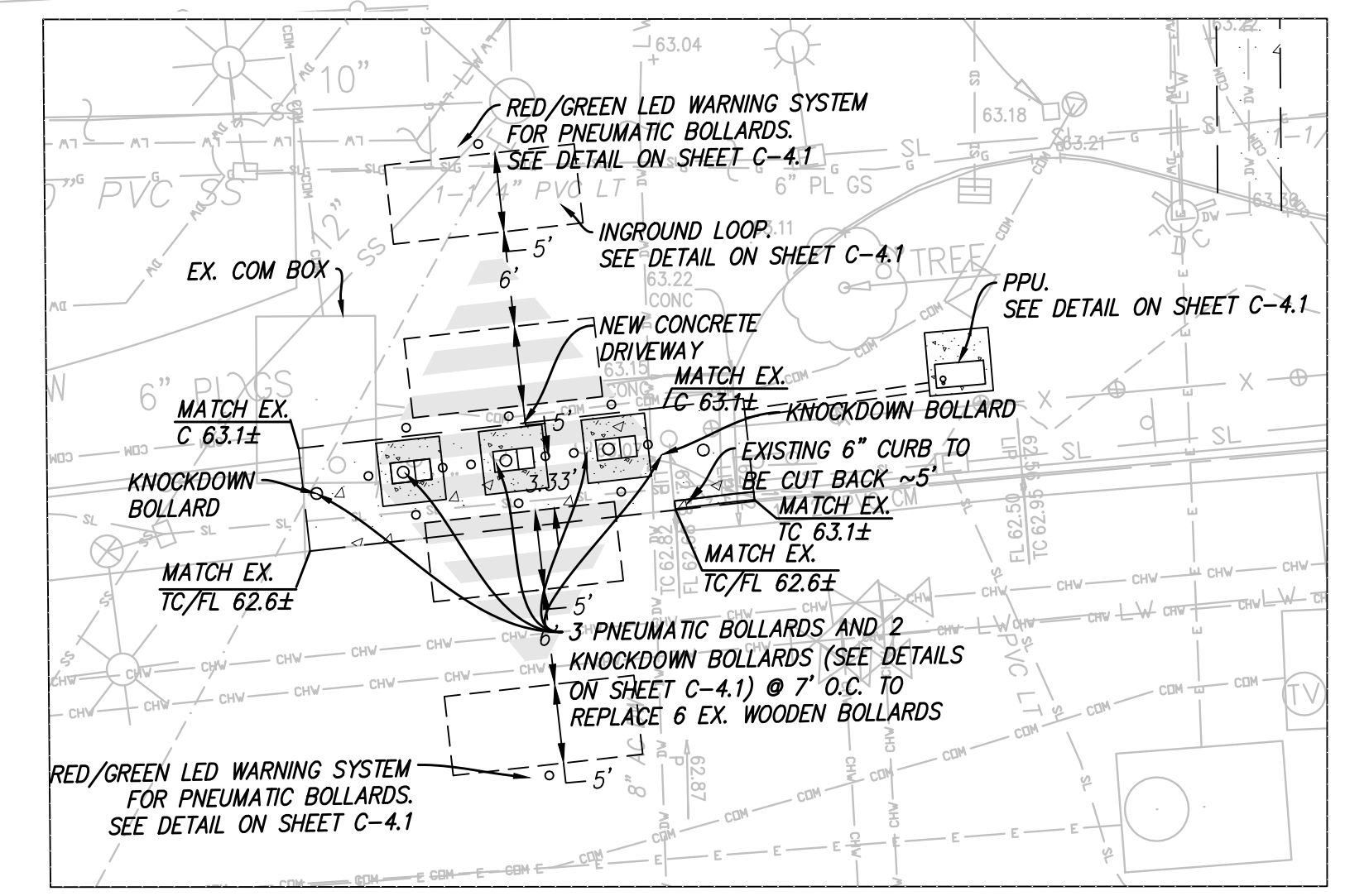
PROJECT NUMBER
21022

SHEET TITLE
GRADING AND DRAINAGE PLAN

SCALE
AS NOTED

SHEET NUMBER

C-3.0





- CONTRACTOR TO PROVIDE:**
- 1 ELECTRONIC BOARD (ITEM 116300)
 - PER 3 BOLLARDS
 - PIT ITEMS (1161001 AND 1161011) PER BOLLARD
 - PIT HEATER JH275 (116200) PER BOLLARD
 - PIT COVER JC275 (116201) PER BOLLARD

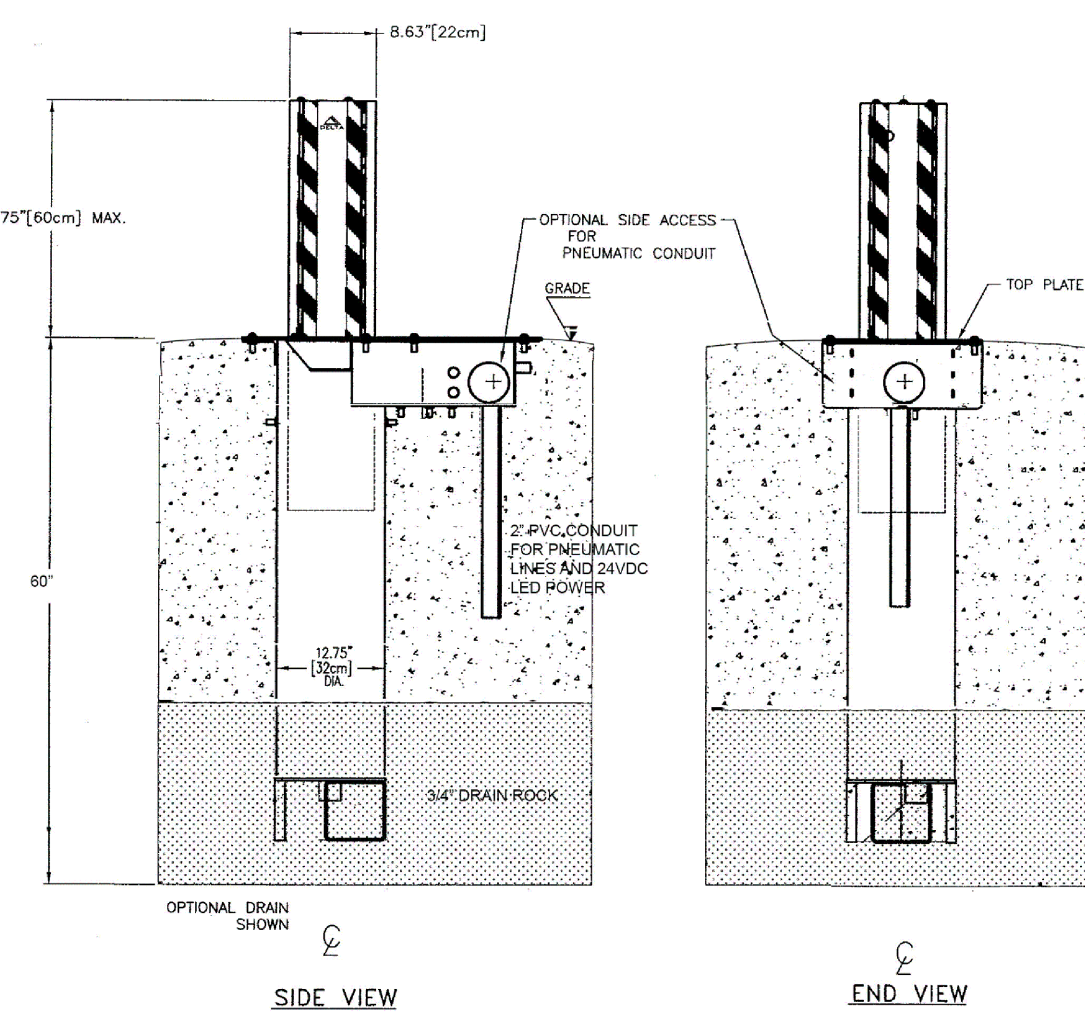
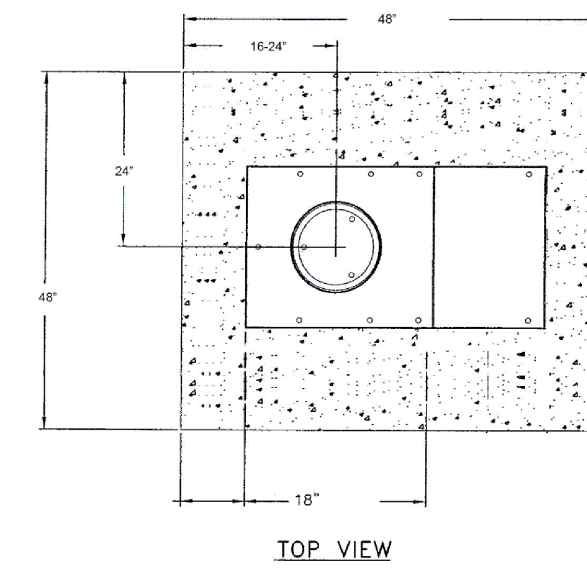
CONTRACTOR TO SUPPLY POWER AND NETWORK TO STAINLESS STEEL BOLLARD CONTROL HOT BOX

KEY CARD / PAD COMPONENTS TO BE SUPPLIED BY VU

MANUFACTURER: FAAC
FAACBOLLARD.COM
MODEL: J275 HA V2 H800
FINISH: STAINLESS STEEL

INSTALL PER MANF RECS

2 **DETAIL: SEMI-AUTOMATIC RETRACTABLE BOLLARD**
 N.T.S.



Steven Snyder Electrical Contractor

Contractor Lic 387926
 Steven W. Snyder
 1508 Mulligan St
 Oxnard CA 93036 831-726-7114 Email: Bollards@caseweb1.com

Specs

UPDATED: February 21, 2020

Stanford University Pneumatic Bollard Specifications

Delta Scientific TT-203 8" dia x 24" high Pneumatic bollard (White finish) system with valving, up and down limit switches and foundation. B1216 HYD power unit enclosure BETA II power units painted black

Controlled Access Security Equipment Pneumatic Pumping Unit (PPU) equipment and controls for a complete system: Central control will be by a Micrologix 1000 1761-L32BBB programmable logic controller (PLC) with the latest version of Controlled Access Security Equipment ladder logic installed.

Down signal is by wireless Microplus receiver DKS8054-086 with 1250 memory, keypad and serial to USB computer interface (Bus routes require a second receiver, Multicode). A Vehicle must be over a safety loop, before transmitter signal will be valid. Down by detector loop from either direction unless bollard is fully UP, once UP, loops are no longer active, even if the bollard is pushed down by hand with a vehicle on a loop. Down if power fails: stays down after power returns until manually reset. A back-up air valve is to be installed in series with the main air valve, so the bollard goes down or stays down, if there is a position switch or air valve error.

-220/240 volt 2HP beltless compressor with 10 gallon tank, main pressure gauge, regulator with pressure gauge, particulate filter, PLC controlled auto drain, twist lock power connector and compressor mounted for quick no-tool removal. All pneumatic lines connectors to be (no-tool) quick disconnect type.

-120/240 volt 70 amp panel with 20 amp 2 pole breaker for compressor and 15 amp for 120 volt accessory GFCI receptacle

-2 way toggle switch for AUTO, DOWN (DOWN position, holds bollard in position and locks out external commands)

-3 Momentary push-button switches: One for loop test, one for compressor condensate drain test and one for reset after power failure.

-A multicode receiver for remote control reset after power failure

-Loop detector LMA1250 LV Deflectometer with 2 outputs.

-Low pressure switch to drop bollard and open BU air valve, if tank pressure drop below 50PSI.

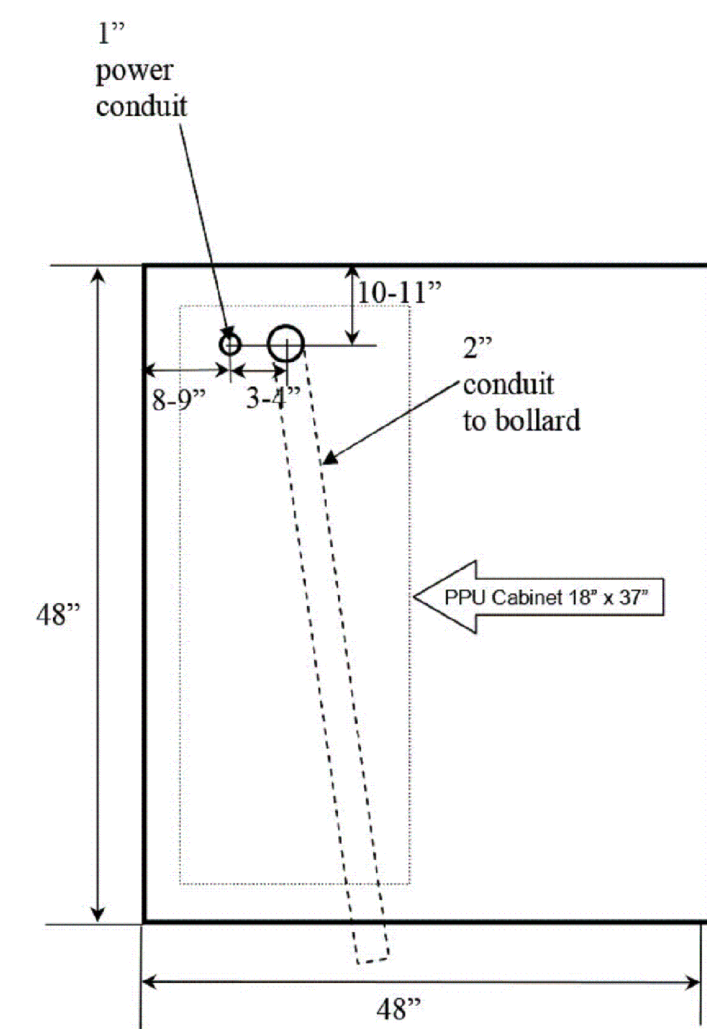
Controlled Access Security Equipment bollard LED lighting: Consisting of 2 side emitting light fiber bands recessed into the top circumference of the bollard, powered by 2 - 3 watt Red Cree LEDs. A Lexan top cover illuminated by a 3 watt RED Cree LED. (Grooves in the bollard for the recessed fiber bands, by Stanford Machine Shop). See attached photo.

Tapco 2188 LaneLight System: Consists of a six fixture (in pavement) LED light warning system that includes two Red/Green LEDs in the lane, one on each side of the bollard - 20' away. The Red/Green LEDs are wired to indicate green when bollard is down and Red when bollard is about to rise, rising, retracting and for 5 seconds after bollard is fully up. Two bi-directional and two mono-directional RED flashing LEDs around the bollard perimeter. Red/Green The RED LEDs surrounding the bollard will be flashing when bollard is about to rise, rising, retracting and for 5 seconds after bollard is fully up. Each bollard is to have redundant (dual) down position switches on separate circuits and a single UP position switch. Before the RED LED changes to GREEN, these switches must agree (on every bollard for multi-bollard locations), the Microcontroller must verify there is no power to the main air valve and a vehicle is present on a detector loop.

Yellow reflective Thermoplastic striping bands on each side of the bollard, in a diamond formation, 16" deep, spaced 18" apart. See attached photo. There may be some variance per site conditions, to be approved by Stanford University.

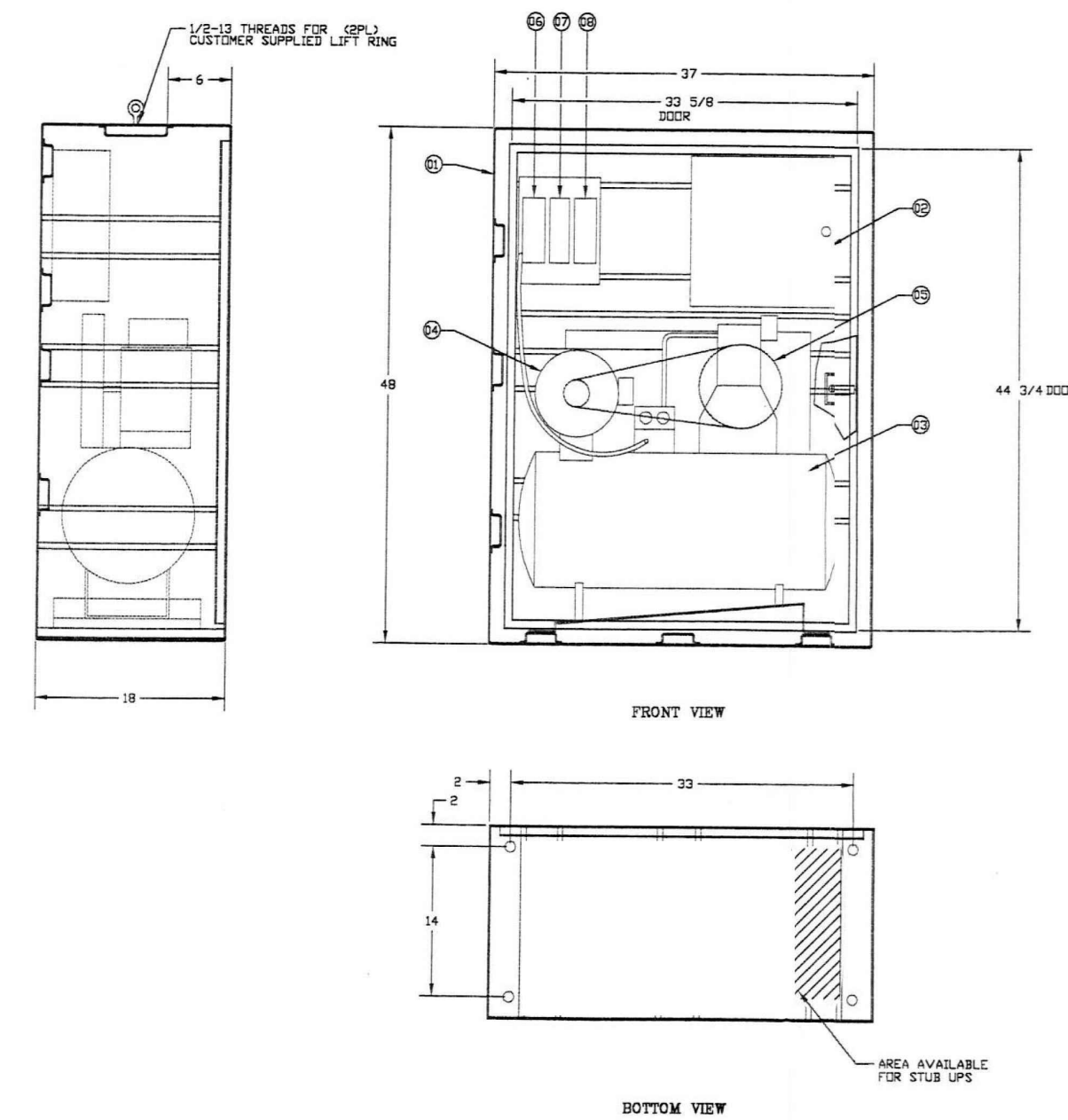
-Supply necessary conductors, pneumatic tubing and connectors for installing pumping unit within 50' of bollard.

-Install bollard foundation in 48" x 48" excavation 50" deep, filled with concrete over 12" of drain rock.



Bollard PPU pad and conduit layout
 Not to scale

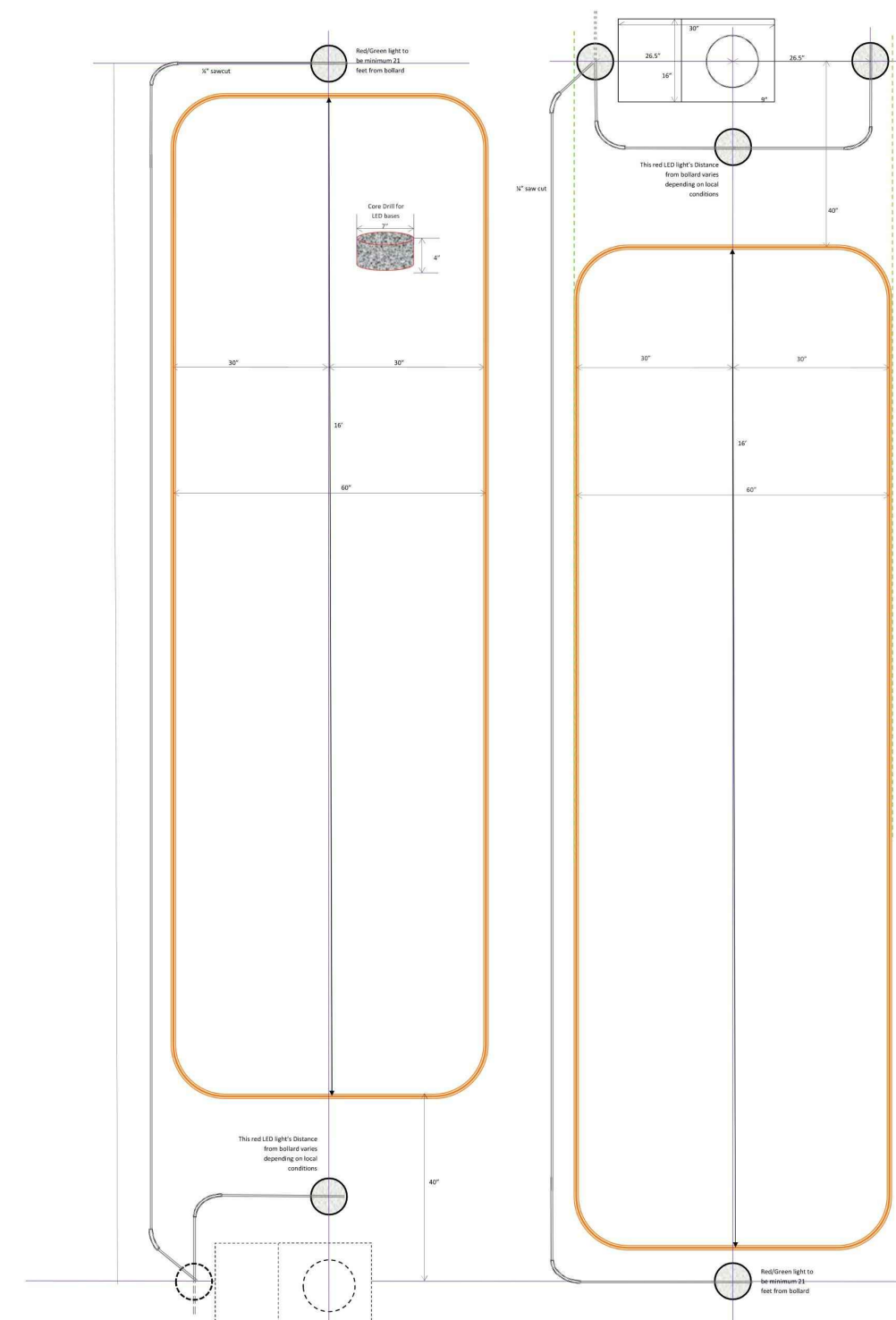
STEVEN SNYDER ELECTRICAL CONTRACTOR
 Sales to Contractors and Industry
 Steven W. Snyder, 18503 Candace Lane, Aromas, CA 95004
 (831)726-7114 Email: Bollards@caseweb1.com



ITEM NO.	REQ'D	DESCRIPTION/MATERIAL
01	1	EQUIPMENT CABINET
02	1	CONTROL CIRCUIT
03	1	COMPRESSOR ASSEMBLY
04	1	MOTOR, 2 HP
05	1	SOLENOID
06	1	PLATE PARKING DEFENSE #200M, 5/16"
07	1	CHALLENGER FILTER PARKING DEFENSE
08	1	REGULATOR W/OLASE PARKING DEFENSE

- NOTES:
- 1) SUPPLY VOLTAGE/POWER REQUIREMENTS 2 HP @ 120/240 volts
 - 2) CABINET RATING NEMA 3R (SEE SER. IP20)
 - 3) CABINET IS ALUMINUM PAINTED BLACK
 - 4) Layout of controls within the cabinet may vary.

PROJECT:	PNEUMATIC BOLLARD	DATE:	02/21/20
CLIENT:	STANFORD UNIVERSITY	BY:	SS
CONTRACTOR:	CONTROLLED ACCESS SECURITY	DATE:	02/21/20
PROJECT NO.:	18503 Candace Ln Aromas, CA 95004	SCALE:	AS NOTED
PROJECT NAME:	Controlled Access Security Equipment	DATE:	02/21/20
PROJECT NO.:	18503 Candace Ln Aromas, CA 95004	DATE:	02/21/20
PROJECT NAME:	PPU EQUIPMENT CABINET	DATE:	02/21/20
PROJECT NO.:	18503 Candace Ln Aromas, CA 95004	DATE:	02/21/20
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PROJECT NAME:	PPU EQUIPMENT CABINET	DATE:	02/21/20



MAPLES PAVILION EXPANSION

STANFORD UNIVERSITY



ISSUES AND REVISIONS

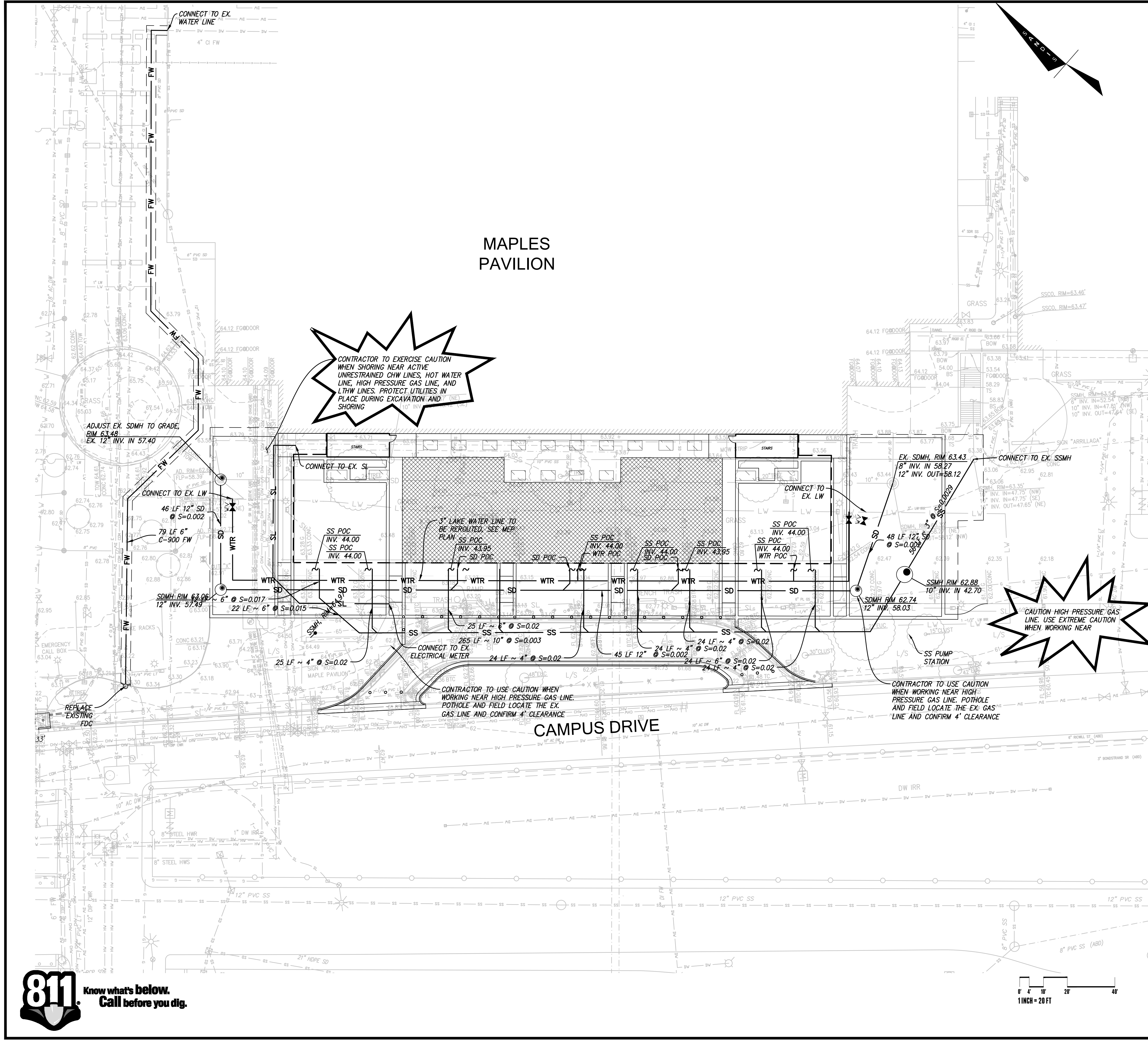
NO.	DATE	DESCRIPTION
09.16.22	09.16.22	ASA SET
12.23.22	12.23.22	ASA RESUBMITTAL SET

PROJECT NUMBER
 21022

SHEET TITLE
PNEUMATIC BOLLARD DETAILS

SCALE
 AS NOTED

SHEET NUMBER



LEGEND

- PROPOSED SD LINE
- PROPOSED SS LINE
- PROPOSED WTR LINE
- LIMIT OF UNDERGROUND BASEMENT
- PROPOSED FIRE DEPARTMENT CONNECTION

- ### 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 BASIN 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 12-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, 90° 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.

- ### GENERAL NOTES
- CONTRACTOR SHALL NOTE PROXIMITY OF EXISTING UNRESTRAINED CHW WHEN EXCAVATING WESTERN MOST BOUNDARY OF NEW ADDITION.

MAPLES PAVILION EXPANSION

STANFORD UNIVERSITY



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET
	12.23.22	ASA RESUBMITTAL SET

PROJECT NUMBER
21022

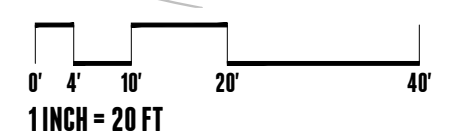
SHEET TITLE
UTILITY PLAN

SCALE

AS NOTED

SHEET NUMBER

C-4.0



MAPLES PAVILION EXPANSION

STANFORD UNIVERSITY



STORMWATER MANAGEMENT PLAN LEGEND

- LIMIT OF WORK
- - - - - LIMIT OF THE REGIONAL CAPTURE TRIBUTARY AREA
- PROJECT AREA LOCATED OUTSIDE THE FACILITY TRIBUTARY AREA
 - [Dotted pattern] PROPOSED PERVIOUS AREA (155 SF)
 - [Solid grey] PROPOSED NON-VEHICULAR IMPERVIOUS AREA (19,148 SF)
- PROJECT AREA LOCATED WITHIN THE FACILITY TRIBUTARY AREA
 - [Dotted pattern] PROPOSED PERVIOUS AREA (6,385 SF)
 - [Cross-hatch pattern] PROPOSED VEHICULAR IMPERVIOUS AREA (3,872 SF)
 - [Diagonal lines] PROPOSED NON-VEHICULAR IMPERVIOUS AREA (5,078 SF)

SITE TREATMENT AREA NOTE:

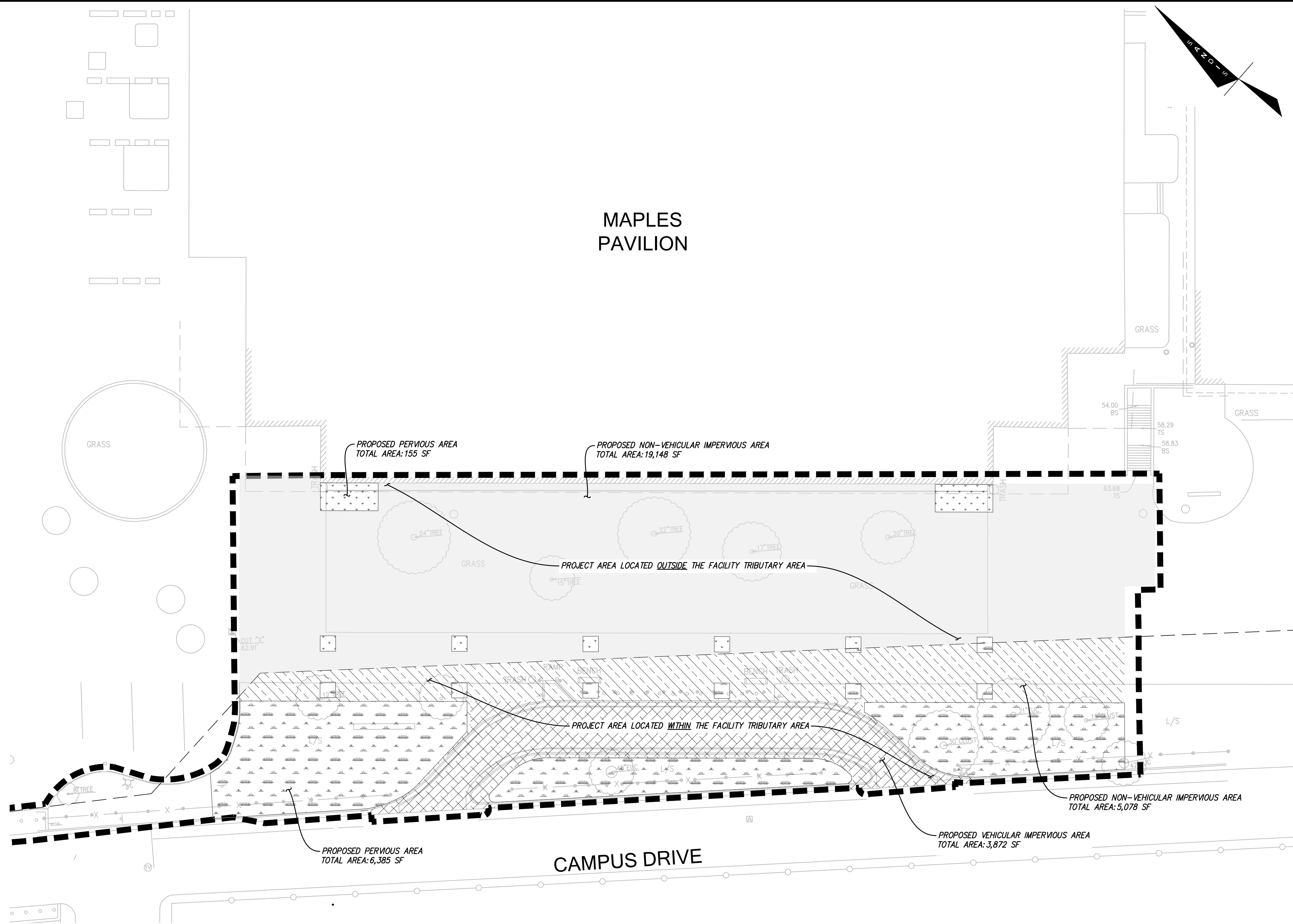
THIS PROJECT IS REPLACING MORE THAN 50% OF THE EXISTING IMPERVIOUS AREA WITHIN THE STANFORD MAPLES PAVILION PROJECT LIMITS, THEREFORE THE PROJECT WILL TREAT ALL THE IMPERVIOUS AREA WITHIN THE PROJECT LIMIT.

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 REGULATED CAPACITY AND IN-LIEU CAPACITY CREDITS PROVIDED BY THE FELT LAKE (EAST CAMPUS) STORM WATER CAPTURE SYSTEM (COUNTY FILE NO. 11044-17C3).
3. THERE IS NO OVERLAND RELEASE TO PROTECT THE STAGE BUILDING. THE BUILDING WILL BE PROTECTED TO THE LEVEL OF A 100-YR, 6 HOURS DURATION BY ALLOWING THE LOWER LEVEL OF SEATING TO FLOOD TO WITHIN 1 FOOT OF THE TOP OF THE STAGE.

DRAINAGE AREA:

PROPOSED IMPERVIOUS	8,950 SF
PROPOSED PERVIOUS	6,612 SF
TOTAL	15,562 SF

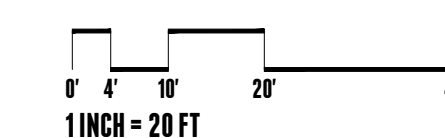


	PROJECT IMPERVIOUS AREA SUMMARY*			PERVIOUS AREA (SF)	TOTAL PROJECT AREA (SF)
	REGULATED IMPERVIOUS (1) (SF)	UNREGULATED IMPERVIOUS (2) (SF) VEHICULAR	NON-VEHICULAR		
EXISTING	0	2,721	3,603	9,238	15,562
PROPOSED	8,950	0	0	6,612	15,562

	VEHICULAR (SF)	NON-VEHICULAR (SF)
IN-LIEU CREDIT USED (3) (SF)	0	19,148

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.



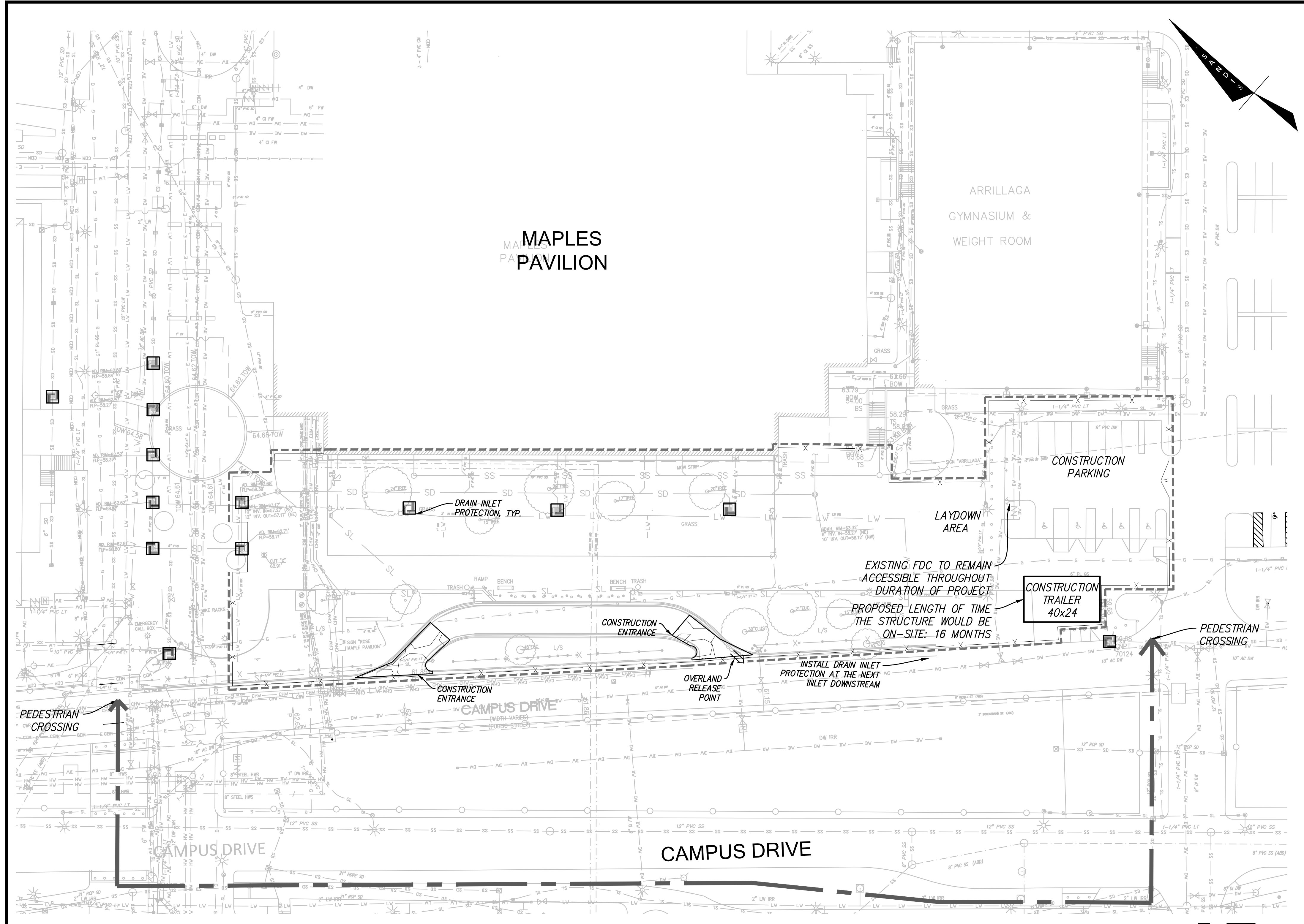
PROJECT NUMBER
21022

SHEET TITLE
STORMWATER MANAGEMENT PLAN

SCALE
AS NOTED

SHEET NUMBER

C-5.0



LEGEND

- CONSTRUCTION ENTRANCE $\frac{3}{C-7.1}$
- CONCRETE WASHOUT $\frac{2}{C-7.2}$
- SPILL KIT
- PORTABLE RESTROOM
- CONSTRUCTION TRAILER
- OVERLAND RELEASE POINT
- CONSTRUCTION FENCE WITH STRAW WATTLE $\frac{1}{C-7.1}$
- DRAIN INLET PROTECTION $\frac{6}{C-7.2}$
- TREE PROTECTION FENCING $\frac{1}{C-3.0}$
- APPROXIMATE AREA OF CONSTRUCTION DISTURBANCE

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 QSP.
- 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.
- M. RUNOFF THAT HAS CONTACTED AMENDED SOIL AREAS SHALL NOT BE ALLOWED TO LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.

MAPLES PAVILION EXPANSION

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SHEET TITLE
EROSION CONTROL PLAN

SCALE
AS NOTED

SHEET NUMBER

C-6.0





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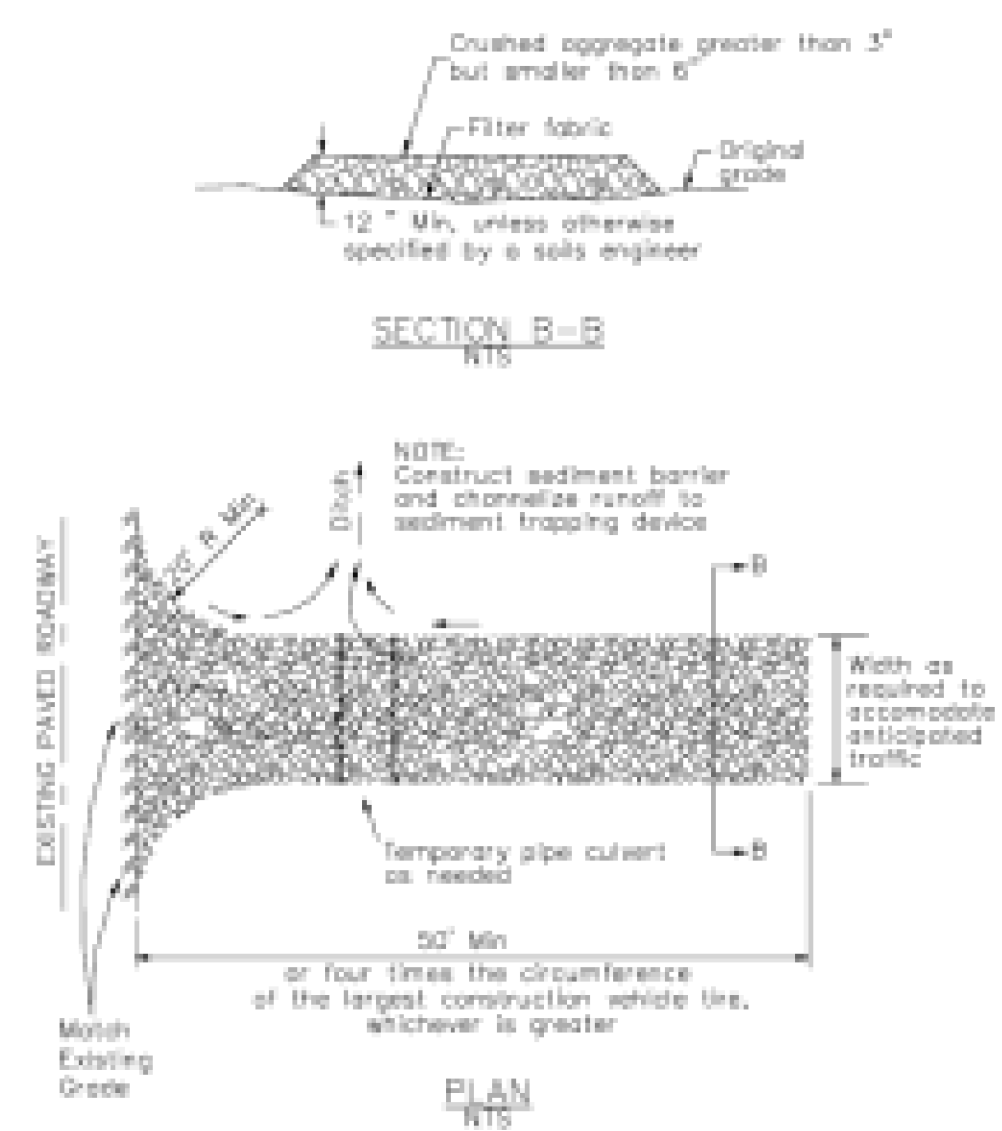
SHEET TITLE
COUNTY BMP NOTES

SCALE
AS NOTED

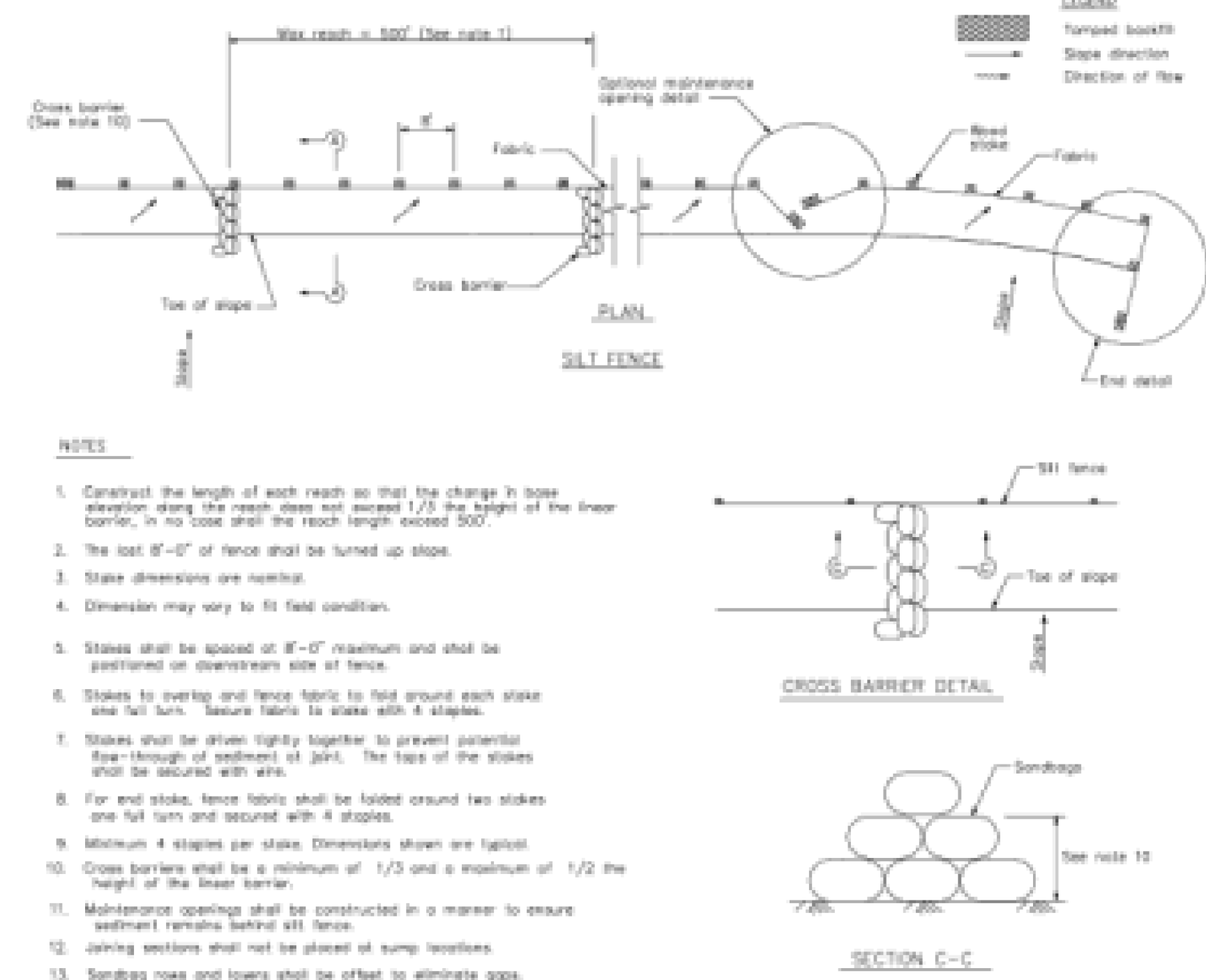
SHEET NUMBER

Project Information

3 Stabilized Construction Entrance/Exit
CASQA Detail TC-1

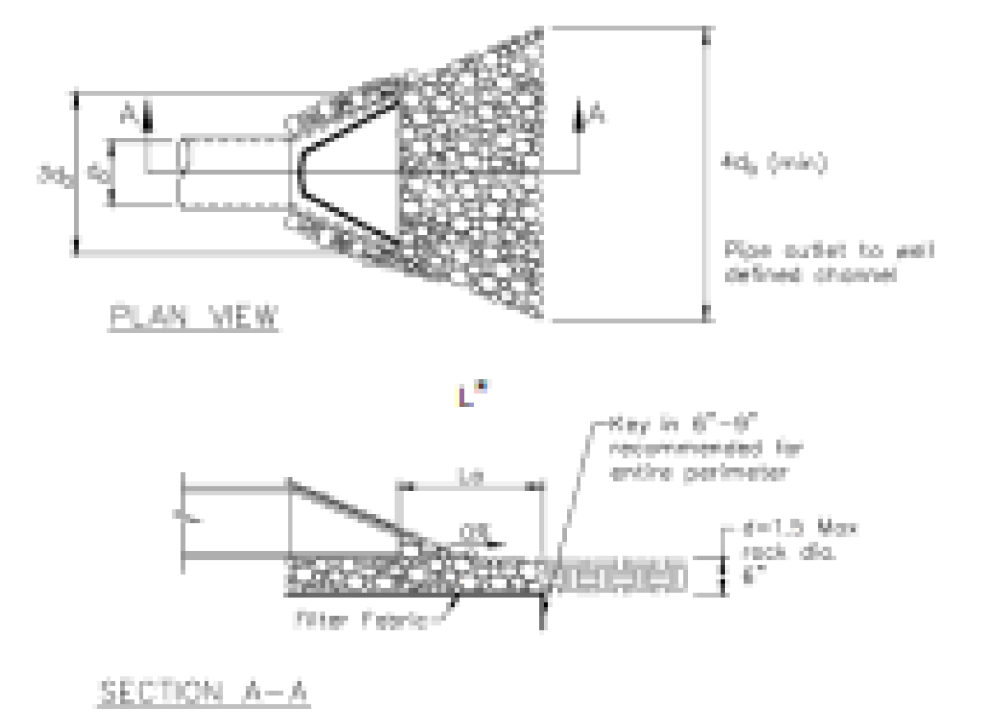


1 Silt Fence
CASQA Detail SE-1

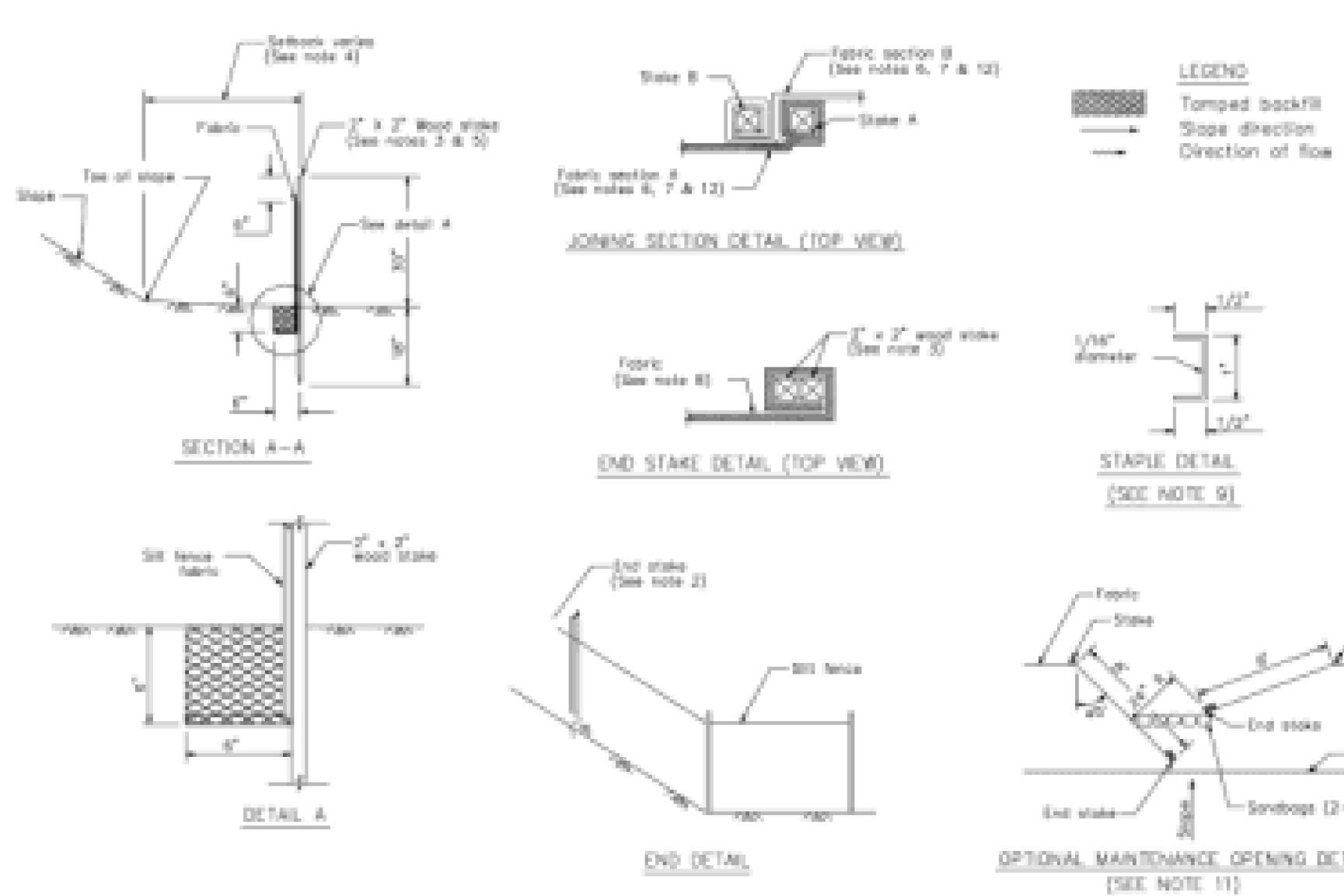


- NOTES**
1. Calculate the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the lower barrier, in no case shall the reach length exceed 500'.
 2. The last 8'-0" of fence shall be turned up slope.
 3. Stakes direction are marked.
 4. Dimension may vary to fit field condition.
 5. Stakes shall be spaced at 8'-0" maximum and shall be positioned on downstream side of fence.
 6. Stakes to overlap and fence fabric to fit ground each stake one full turn. Secure fabric to stake with 4 staples.
 7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
 8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
 9. Minimum 4 staples per stake. Dimensions shown are typical.
 10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the lower barrier.
 11. Maintenance opening shall be constructed in a manner to ensure sediment remains behind silt fence.
 12. Joining sections shall not be placed at sump locations.
 13. Sandbag rows and layers shall be offset to eliminate gaps.

4 Velocity Dissipation Devices
CASQA Detail EC-10



2 Silt Fence
CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

1. **Solid and Detrital 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 C3) or later.
2. **Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. 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 later.
3. **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 later.
4. **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 C9) or later.
5. **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 later.
6. **Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on site, concrete washwater shall be contained in designated containers or in a temporary lined and watertight pit where washed 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 later.
7. **Prevent Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution 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 later.
8. **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 later.
9. **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 later.
10. **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

1. **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 later.
 - 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 rolls 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 later.
 - 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.
2. **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 in 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.
3. **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.
4. **Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be revegetated, planted, or landscaped to minimize the potential for erosion on the subject site.
5. 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.
6. 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.csbmphandbook.com.



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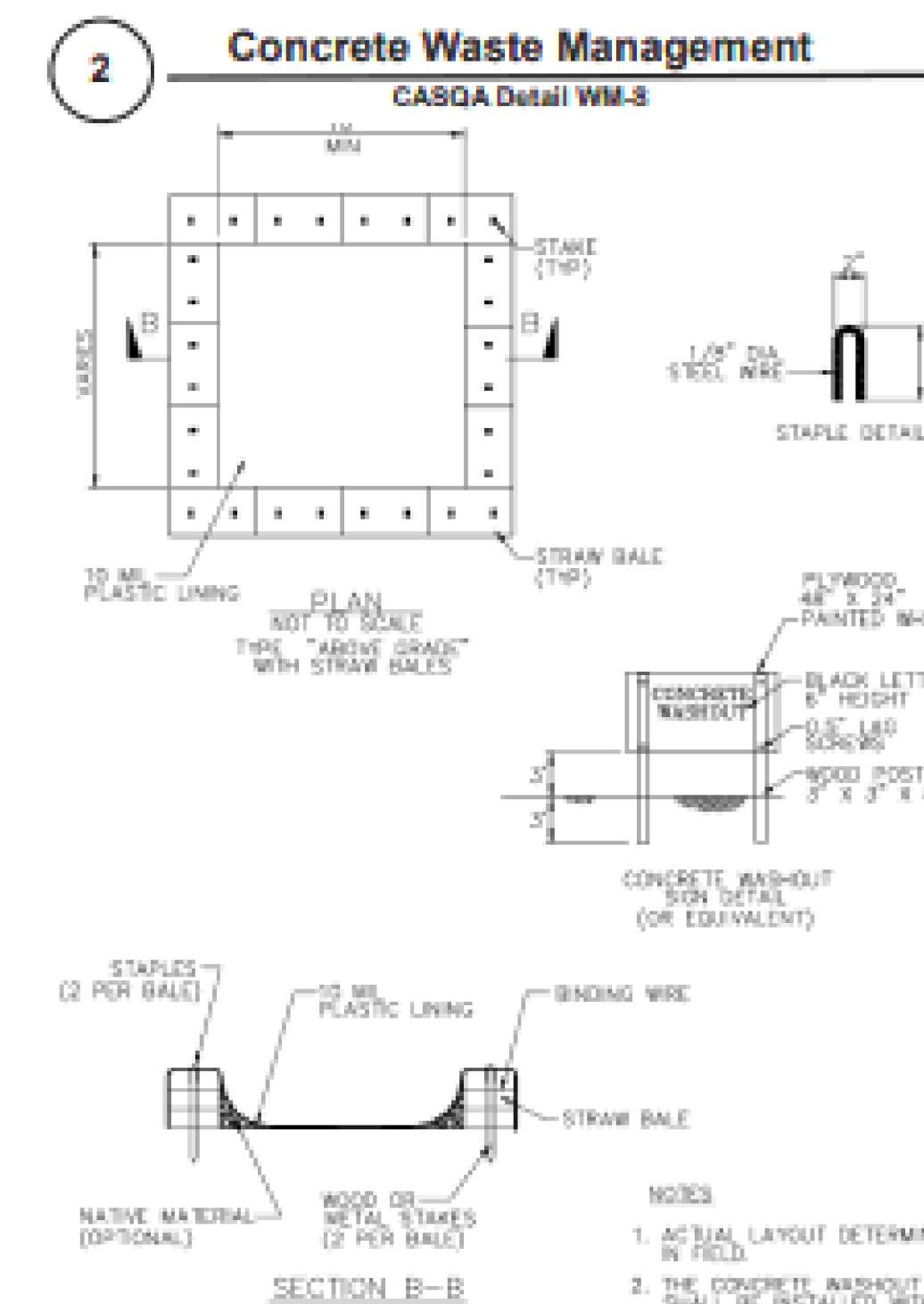
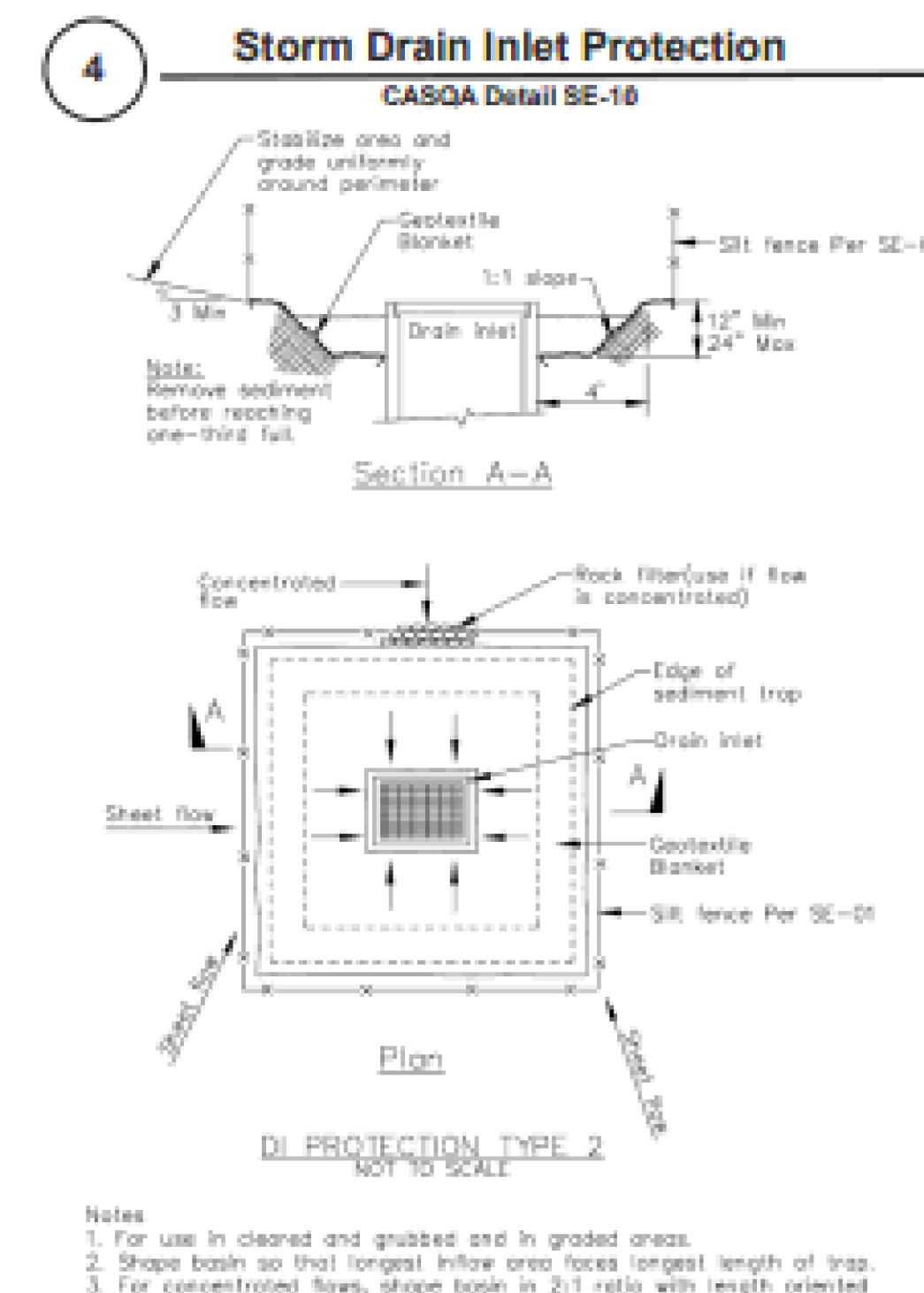
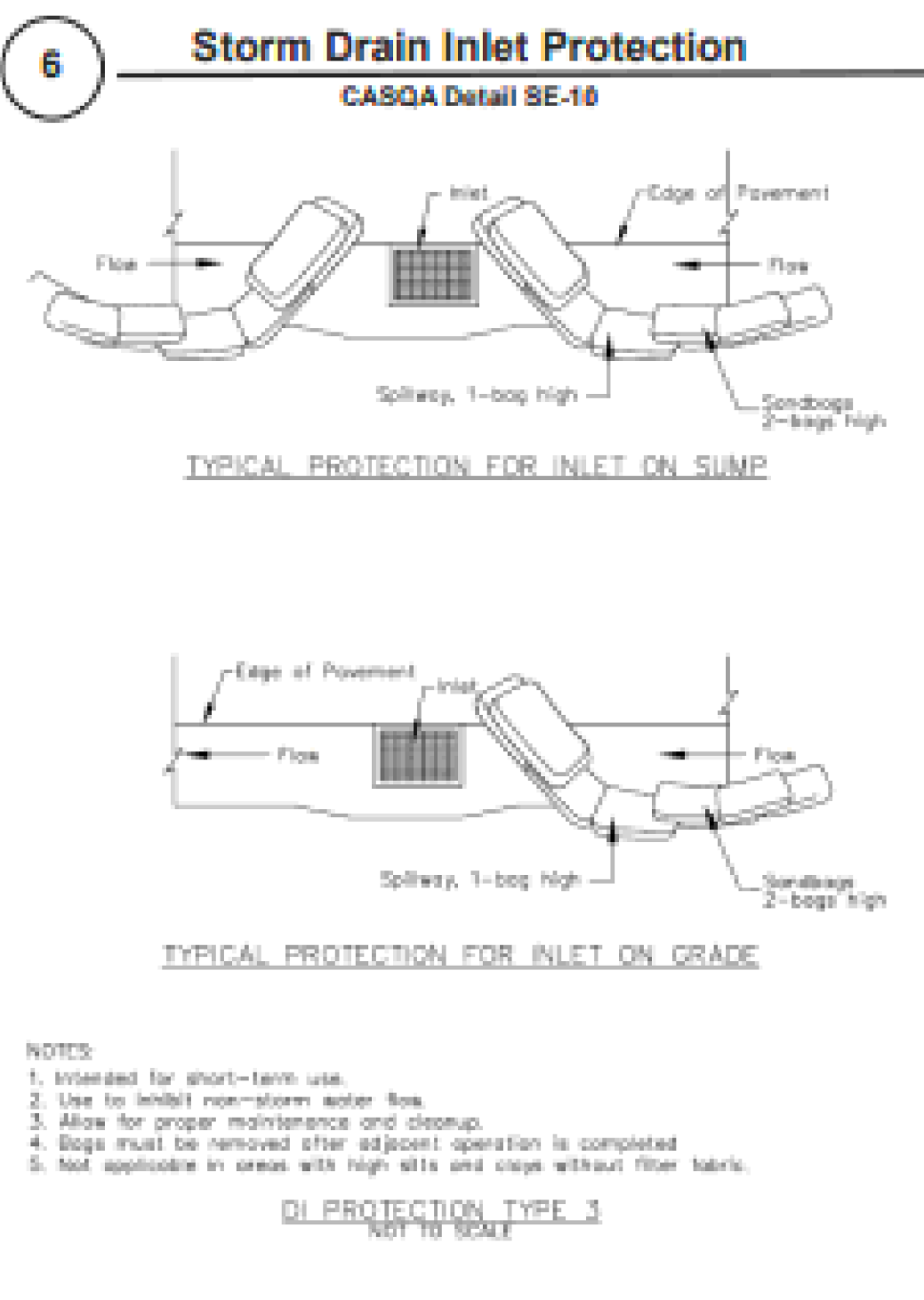
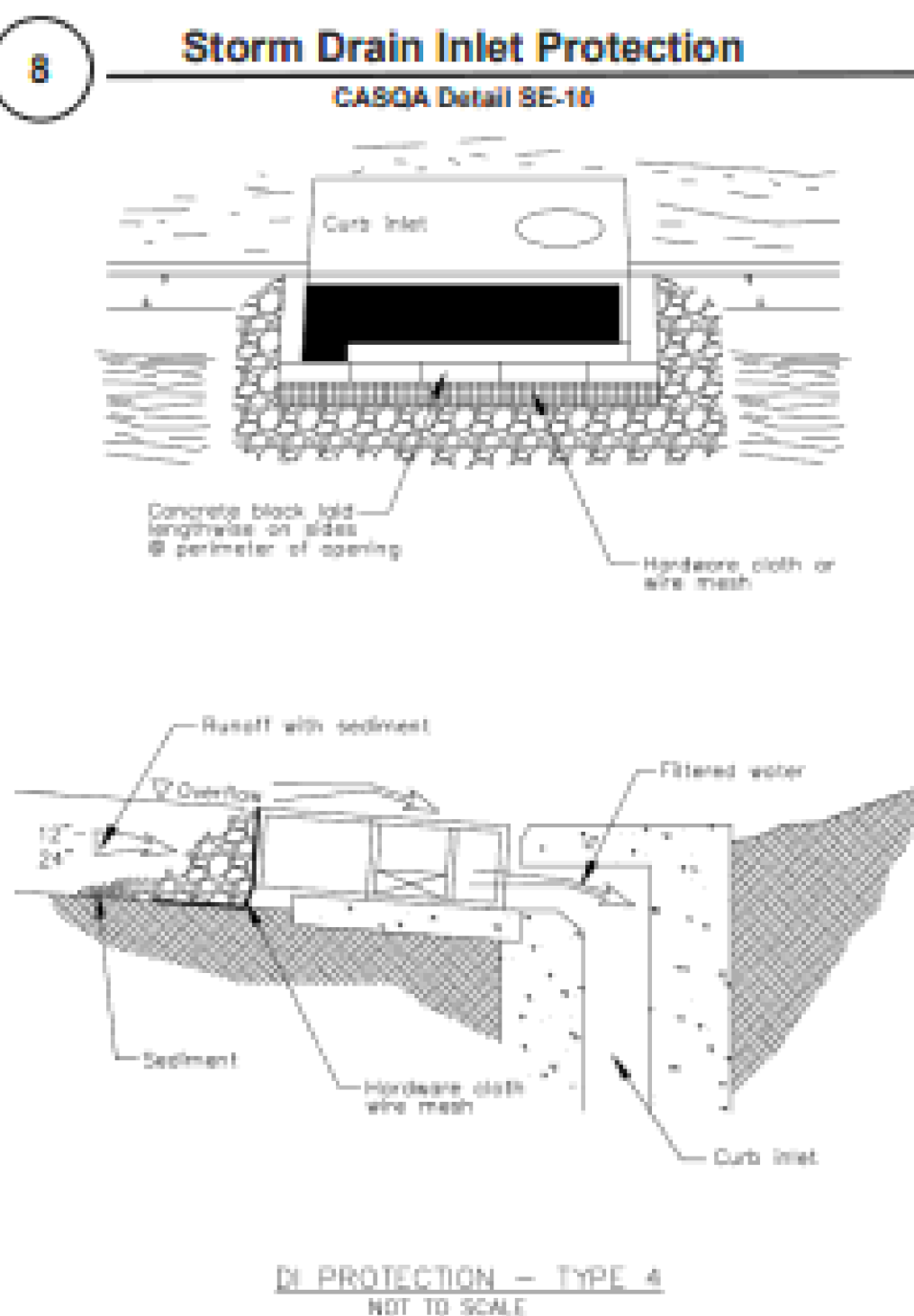
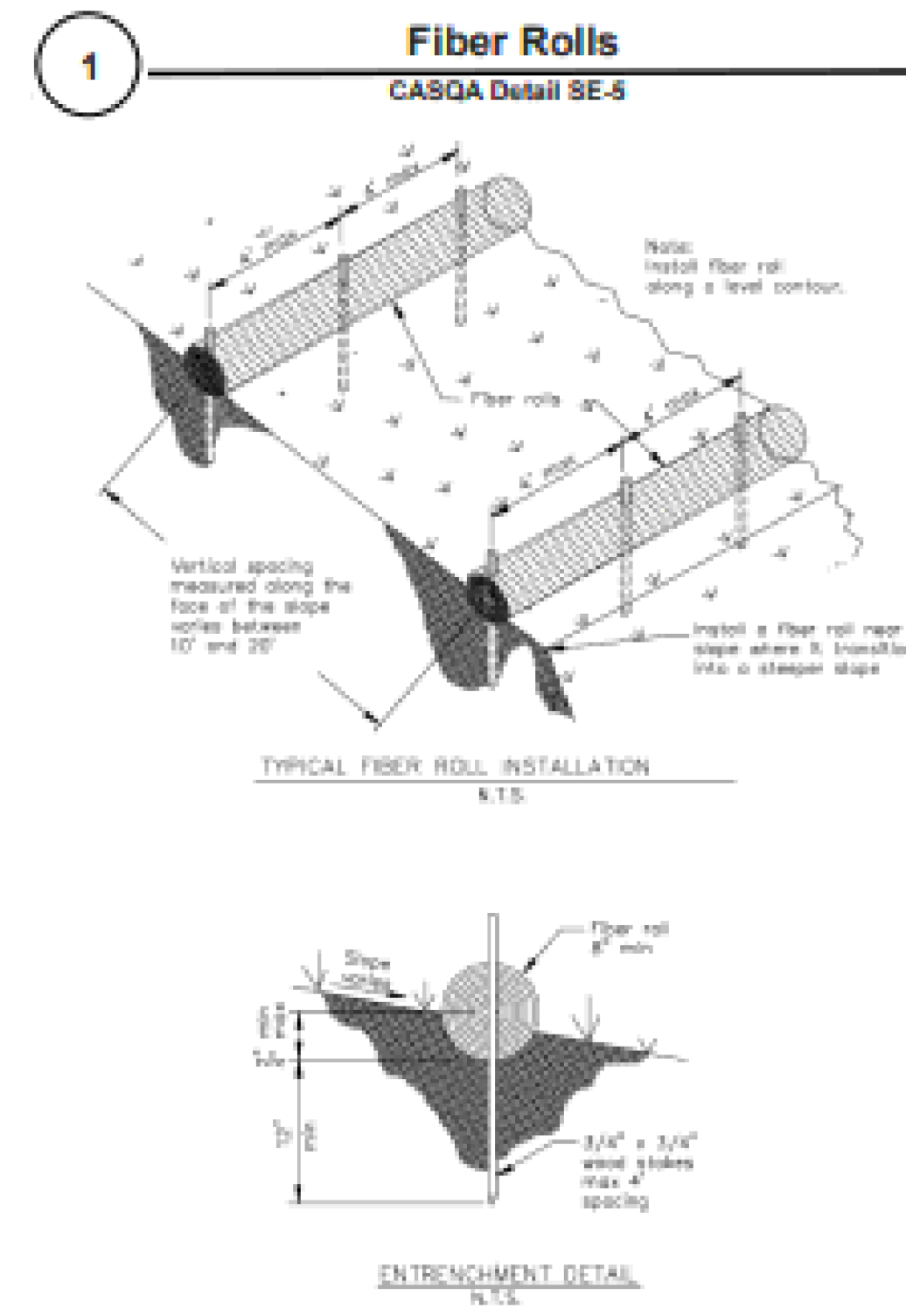
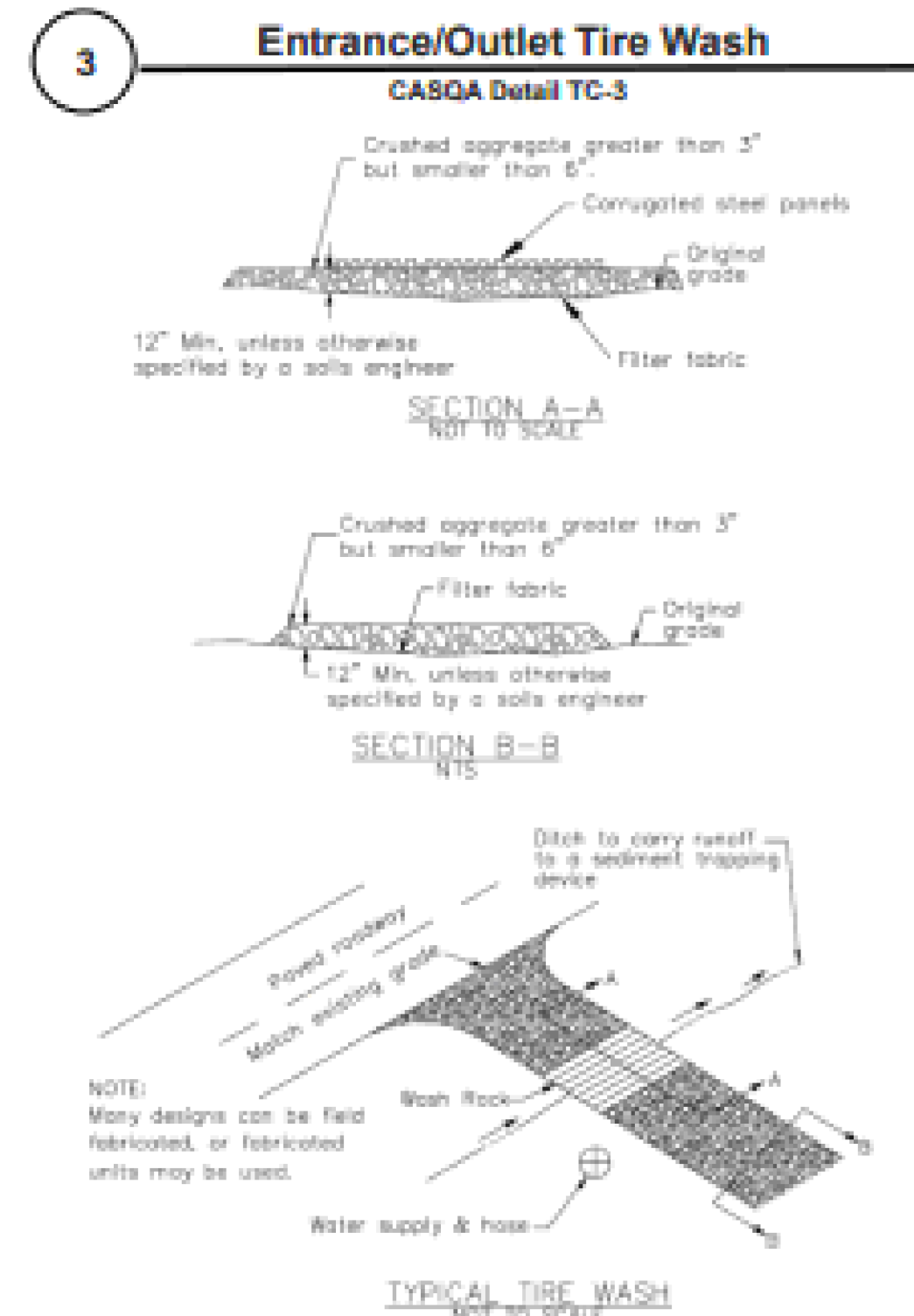
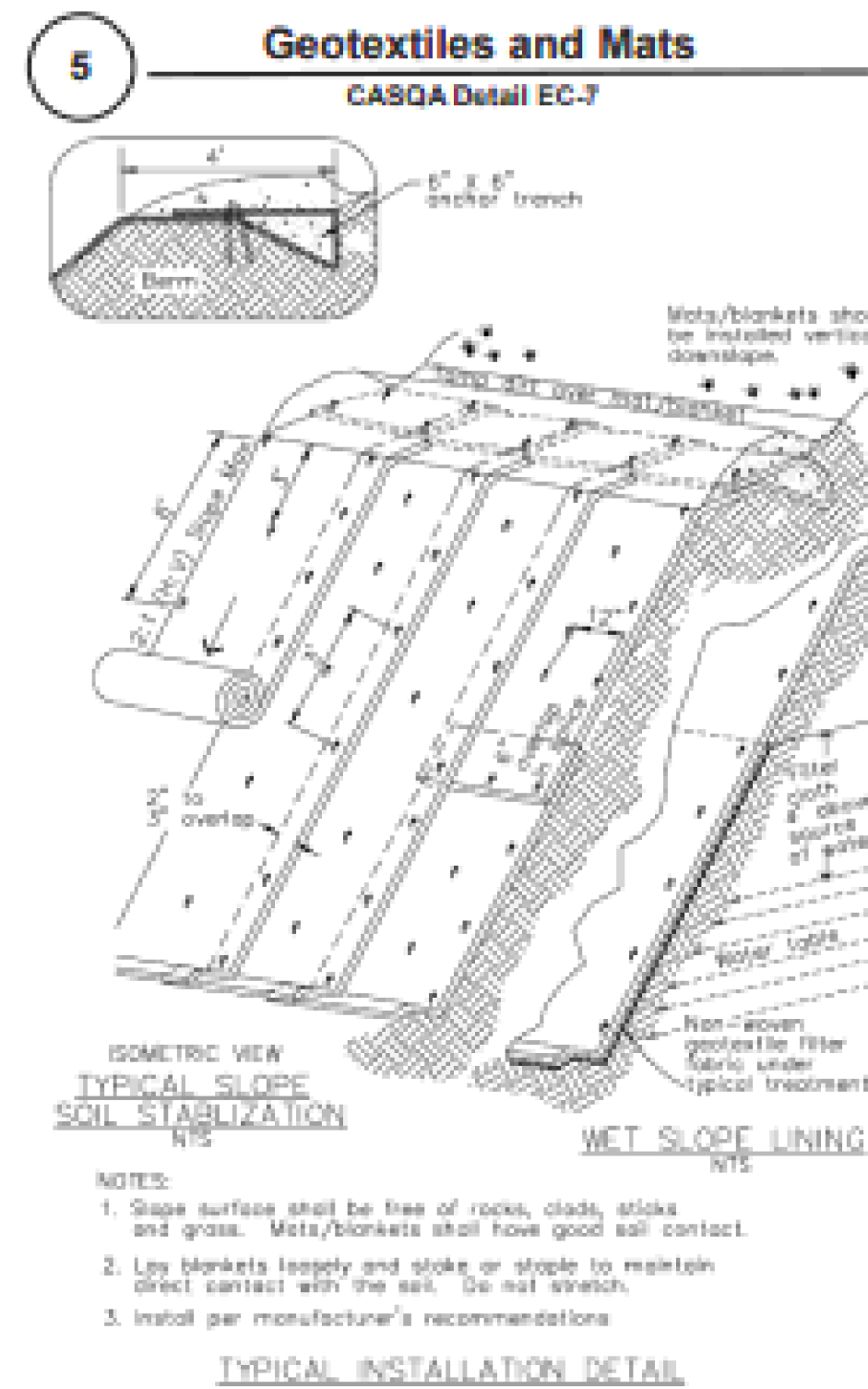
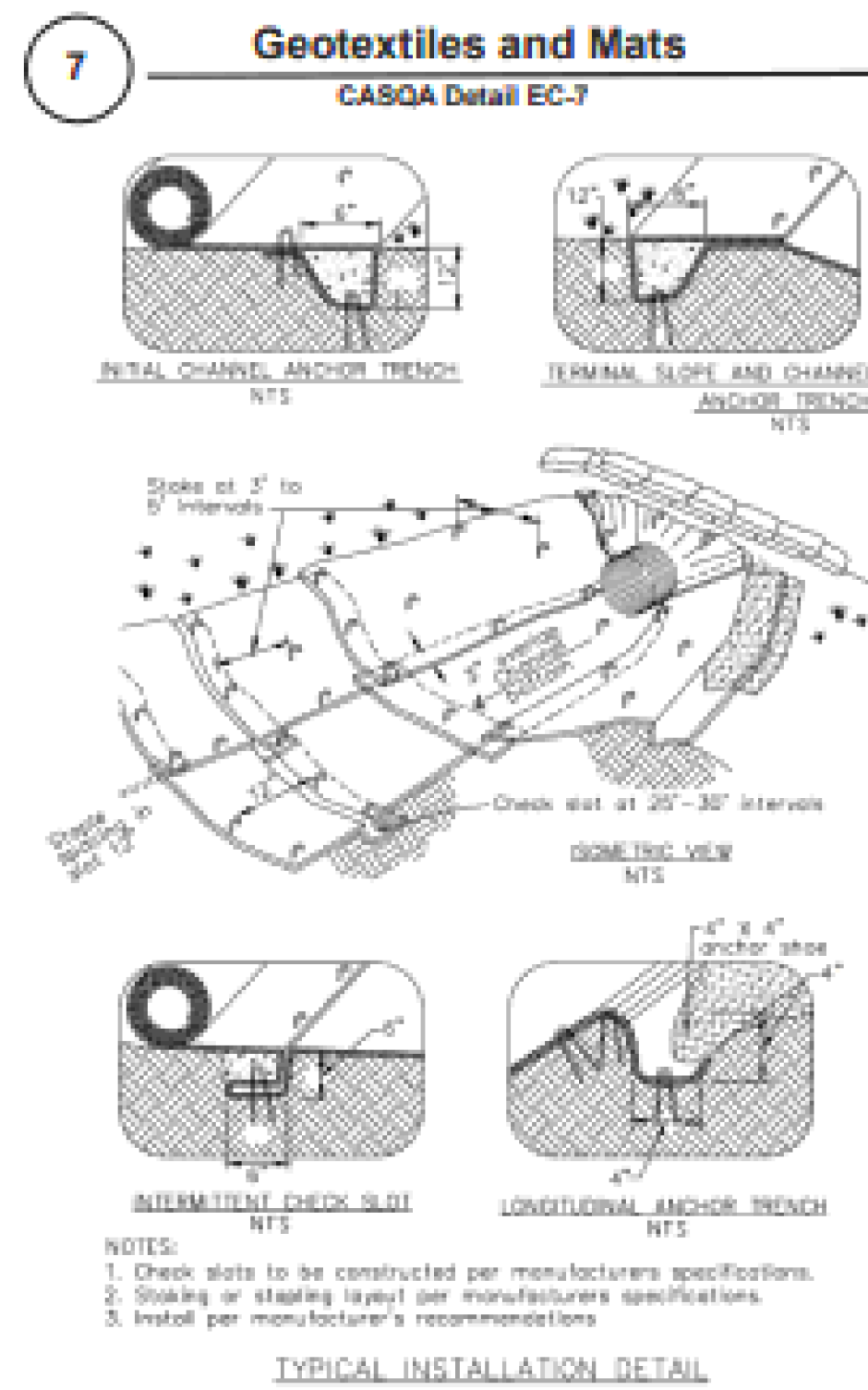
PROJECT NUMBER
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SHEET TITLE
COUNTY BMP NOTES

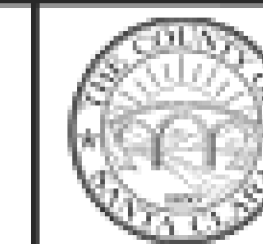
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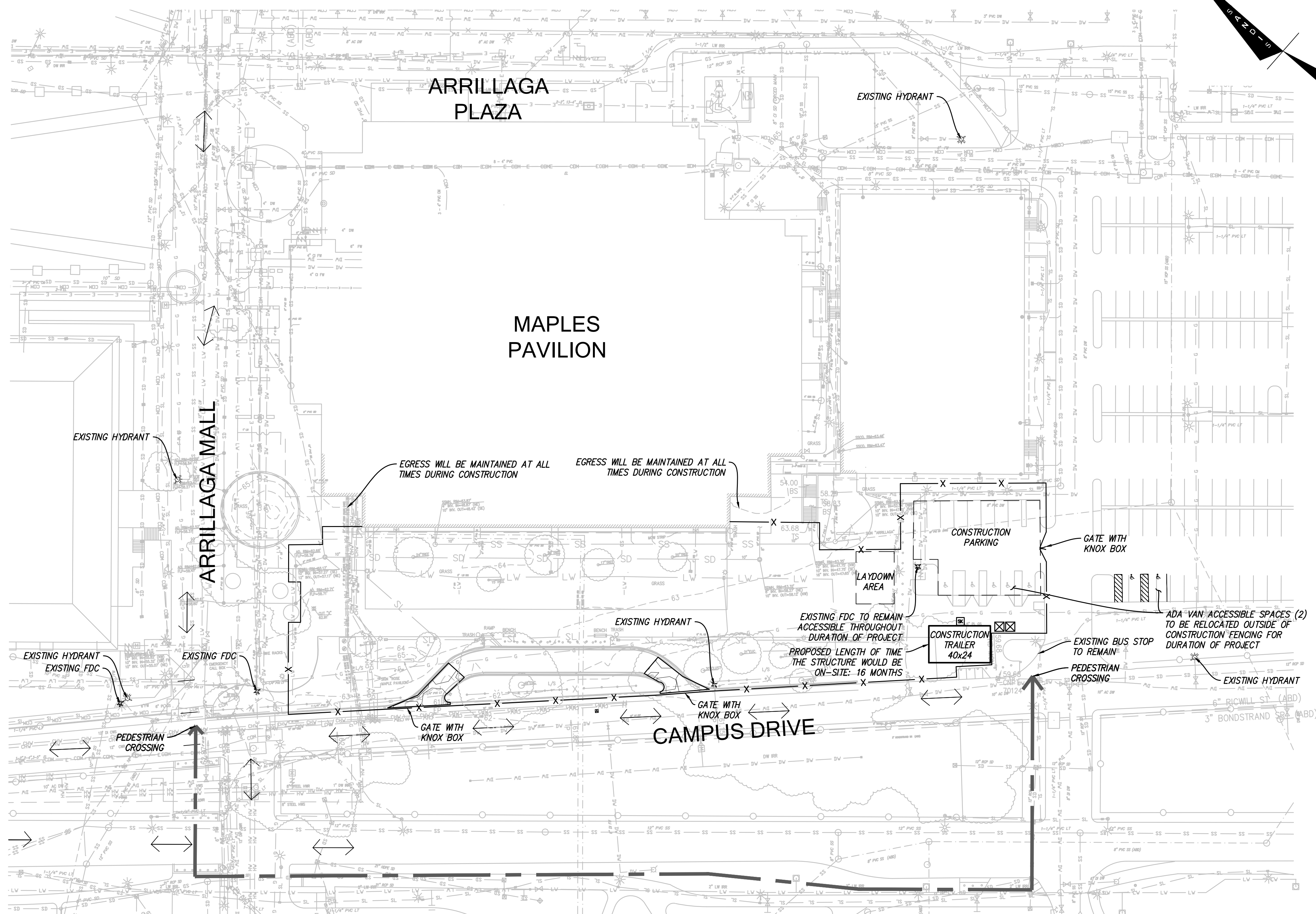
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Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.





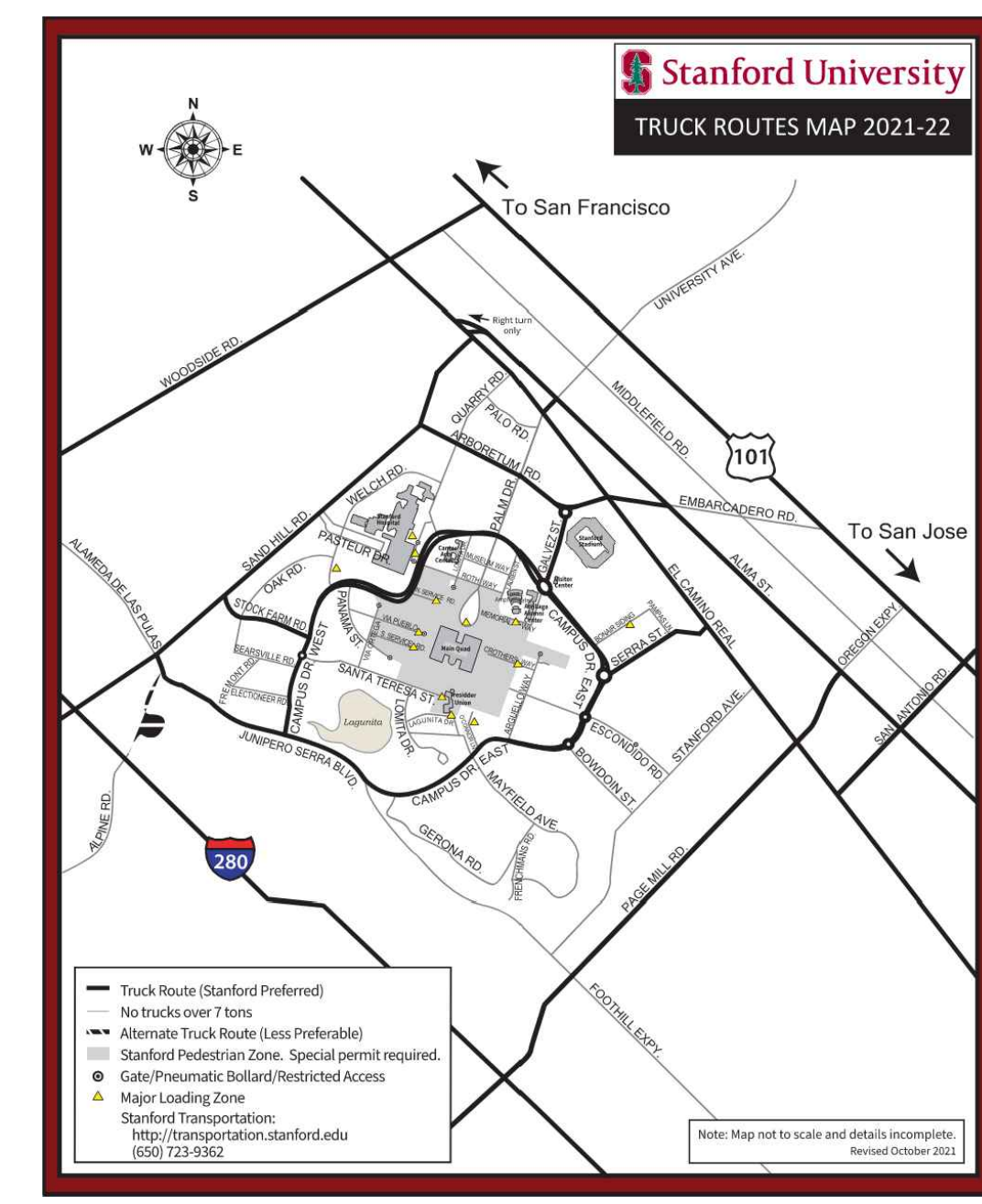
LEGEND:

- 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
- CONSTRUCTION PARKING
- PORTABLE RESTROOM
- SPILL KIT
- CONSTRUCTION TRAILER
- PEDESTRIAN CROSSING

GENERAL NOTES:

1. ADDITIONAL CONSTRUCTION PARKING TO BE LOCATED AT STADIUM LOT #2 - EL CAMINO GROVE.

TRUCK ROUTES MAP



CONSTRUCTION NOTES:

1. THE BAY AREA QUALITY MANAGEMENT DISTRICT (BAAQMD) HAS IDENTIFIED A SET OF FEASIBLE PMO CONTROL MEASURES FOR ALL CONSTRUCTION ACTIVITIES. THESE CONTROL MEASURES, AS PREVIOUSLY REQUIRED IN THE PROGRAM EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES. (MITIGATION MEASURE AQ-1)
 - A. WATER ALL ACTIVE CONSTRUCTION AREA 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 MATERIALS 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, SAND BAGS 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 EXITING TRUCKS, OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE.
 - L. SUSPEND EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.
2. ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT 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. (MITIGATION MEASURE AQ-2).
3. 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 SUPPLIER SHALL REQUIRE 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.

NOTES:

1. STANFORD SHALL BE RESPONSIBLE FOR PRUNING AND TRIMMING THE ACCESS FIRE LANE WITH A VERTICAL CLEARANCE OF 13 FEET 6 INCHES.
2. CONTRACTOR TO ENSURE THAT 20' PATHWAY IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION FOR FIRE ACCESS. CONSTRUCTION GATE OR ANY OTHER CONSTRUCTION ACTIVITY CANNOT ENCROACH INTO PATHWAY WITHOUT A TEMPORARY PATHWAY ESTABLISHED TO MAINTAIN THE 20'.
3. THE EMERGENCY ACCESS SHALL MAINTAIN A 20 FT MIN. WIDTH UNDER ALL WEATHER CONDITIONS CAPABLE OF SUPPORTING UP TO 75,000 LBS.

MAPLES PAVILION EXPANSION

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CONSTRUCTION SITE LOGISTICS AND SAFETY PLAN

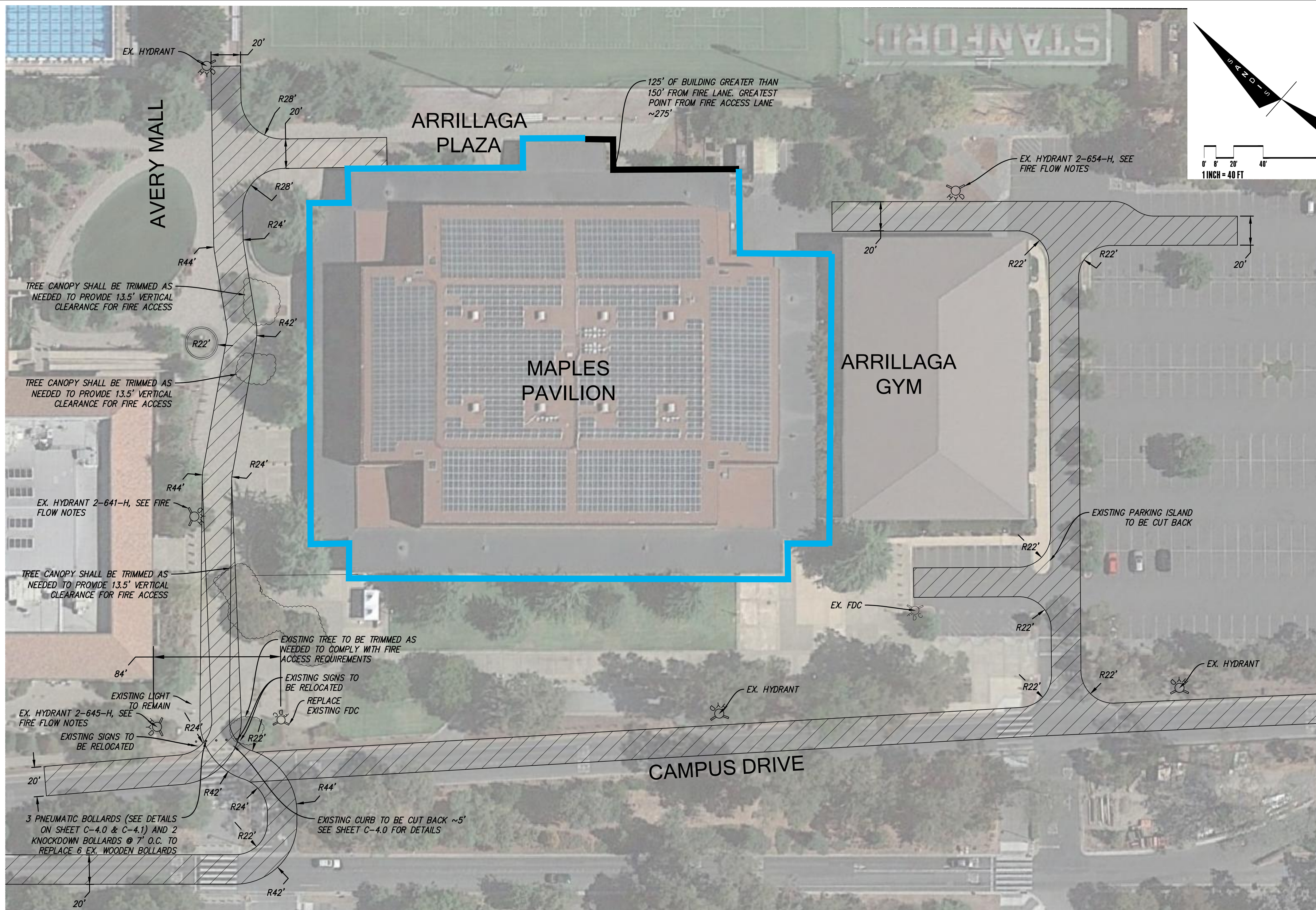
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C-7.0



LEGEND:

- EXISTING FIRE HYDRANT
- PROPOSED FIRE DEPARTMENT CONNECTION
- FIRE ACCESS LANE
- 30' X 60' STAGING AREA
- BUILDING WITHIN 150 FEET OF FIRE ACCESS LANE PER 2016 CFC SECTION 503.1.1
- BUILDING GREATER THAN 150 FEET FROM FIRE ACCESS LANE PER 2016 CFC SECTION 503.1.1 EXCEPTION 1.1

NOTES

1. STANFORD SHALL BE RESPONSIBLE FOR PRUNING AND TRIMMING THE ACCESS FIRE LANE WITH A VERTICAL CLEARANCE OF 13 FEET 6 INCHES.
2. CONTRACTOR TO ENSURE THAT 20' PATHWAY IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION FOR FIRE ACCESS. CONSTRUCTION GATE OR ANY OTHER CONSTRUCTION ACTIVITY CANNOT ENCROACH INTO PATHWAY WITHOUT A TEMPORARY PATHWAY ESTABLISHED TO MAINTAIN THE 20'.
3. THE EMERGENCY ACCESS SHALL MAINTAIN A 20 FT. MIN. WIDTH UNDER ALL WEATHER CONDITIONS CAPABLE OF SUPPORTING UP TO 75,000 LBS.

FIRE ANALYSIS NOTES

BUILDING TYPE: TYPE 1A (106,289 SQ. FT.)
 PER CFC ANNEX'S B & C
 FIRE FLOW REQUIRED: 3,500 GPM
 FLOW DURATION: 3 HOURS
 NO. HYDRANTS REQUIRED: 4 @ AVG SPACING = 350'
 NO. EXISTING HYDRANTS: 7 @ AVG. SPACING = 339'
 MAX DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT: 210'
 50% FIRE FLOW REDUCTION FOR FULLY SPRINKLED BUILDING
 FIRE FLOW REQUIRED: 1,750GPM
 FLOW DURATION: 2 HRS

FIRE FLOW NOTES

DATE TESTED - 3/27/2017
 STATIC PRESSURE - 95
 RESIDUAL PRESSURE - 83
 FLOW RATE - 1,347 GPM
 LOCATION FLOW TESTED - 2-645-H, 641 CAMPUS DR.
 DATE TESTED - 7/31/2003
 STATIC PRESSURE - 88
 RESIDUAL PRESSURE - 78
 FLOW RATE - 1,367 GPM
 LOCATION FLOW TESTED - 2-641-H, AVERY
 DATE TESTED - 2/3/2008
 STATIC PRESSURE - 94
 RESIDUAL PRESSURE - 7
 FLOW RATE - 1,326 GPM
 LOCATION FLOW TESTED - 2-654-H, CAMPUS DR.

FIRE HYDRANT NOTES

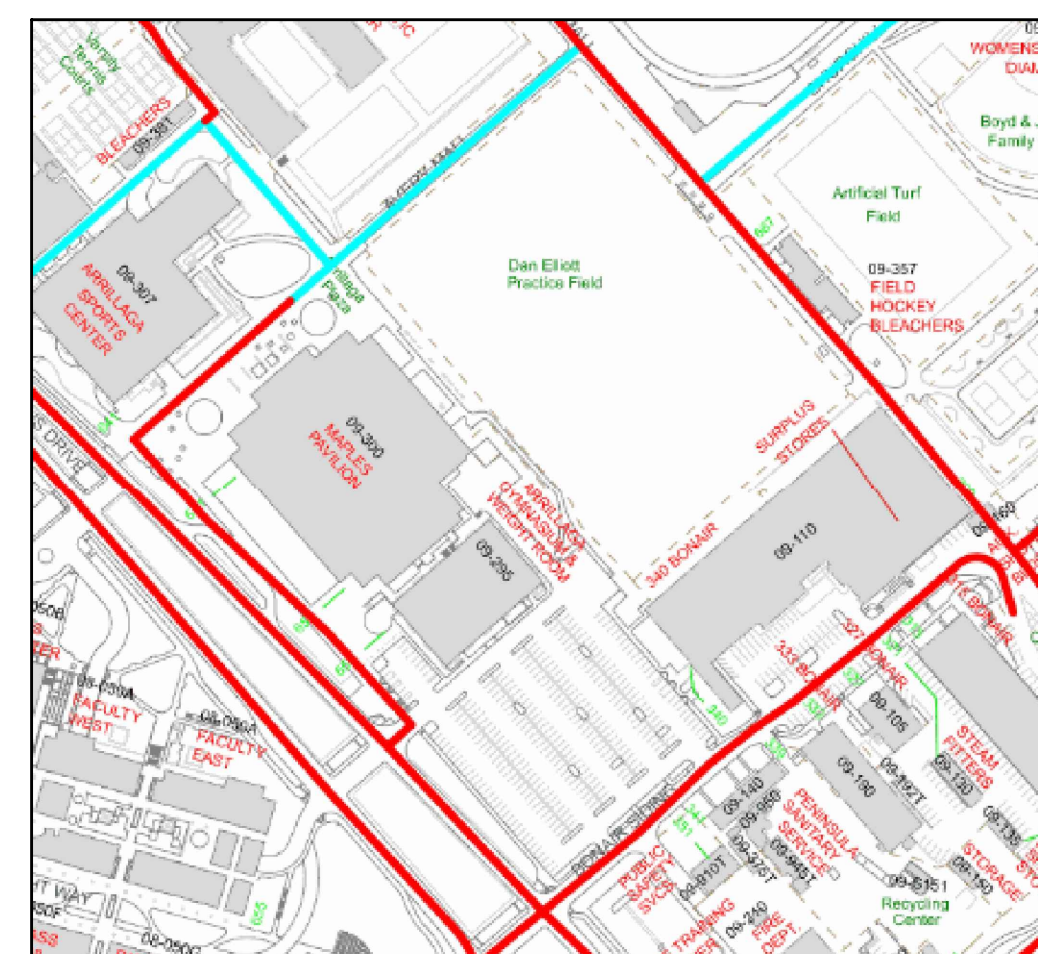
ALL FIRE HYDRANTS SHALL BE WET BARREL STANDARD STEAMER TYPE WITH 1-4 1/2" (114.3 MM) AND 2-2 1/2" (63.5 MM) OUTLETS.

1. "FLOW DURATION" MAY IMPACT NUMBER OF REQUIRED FIRE HYDRANTS.
2. FIRE HYDRANTS AND FIRE APPLIANCES (FIRE DEPARTMENT CONNECTIONS AND POST INDICATOR VALVES) SHALL BE CLEARLY ACCESSIBLE AND FREE FROM OBSTRUCTION.

FIRE PROTECTION NOTES

1. FIRE APPARATUS ROADWAYS, INCLUDING PUBLIC OR PRIVATE STREETS OR ROADS USED FOR VEHICLE ACCESS SHALL BE INSTALLED AND IN SERVICE PRIOR TO CONSTRUCTION.
2. FIRE APPARATUS ROADWAYS, INCLUDING PUBLIC AND PRIVATE STREETS AND IN SOME CASES DRIVEWAYS USED FOR VEHICLE ACCESS, SHALL BE CAPABLE OF SUPPORTING THE IMPOSED WEIGHT OF A 75,000 POUND (34,050 KG) FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE. ONLY PAVED OR CONCRETE SURFACES ARE CONSIDERED TO BE ALL WEATHER DRIVING SURFACES. CFC 2016, APPENDIX D.
3. FIRE PROTECTION WATER SERVING ALL HYDRANTS SHALL BE PROVIDED AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE.
4. PRIOR TO COMBUSTIBLE MATERIAL ARRIVING ON THE SITE, CONTACT THE MENLO PARK FIRE PROTECTION DISTRICT TO SCHEDULE AN INSPECTION OF ROADWAYS AND FIRE HYDRANTS. CFC 2016.
5. FIRE HYDRANTS AND FIRE APPLIANCES (FIRE DEPARTMENT CONNECTIONS AND POST INDICATOR VALVES) SHALL BE CLEARLY ACCESSIBLE AND FREE FROM OBSTRUCTION.
6. SIGNAGE FOR FIRE DEPARTMENT CONNECTION (FDC), POST-INDICATOR VALVE (PIV), BACKFLOW PREVENTER DEVICE SHALL HAVE PERMANENT, IMBEDDED SIGN ATTACHED WHICH STATES ADDRESS SERVED AND SHALL TO BE SECURED TO VALVE OR CONNECTION.
7. AN AUTOMATIC SPRINKLER SYSTEM THAT MEETS NFPA 13 REQUIREMENTS SHALL BE INSTALLED THROUGHOUT THE MAPLES PAVILION ADDITION.

FIRE ACCESS MAP



MAPLES PAVILION EXPANSION

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SHEET TITLE

FIRE TRUCK ROUTE PLAN AND FIRE ANALYSIS NOTES

SCALE
AS NOTED

SHEET NUMBER

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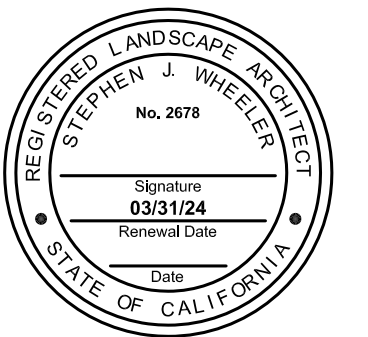


**MAPLES PAVILION
ADDITION**

STANFORD UNIVERSITY



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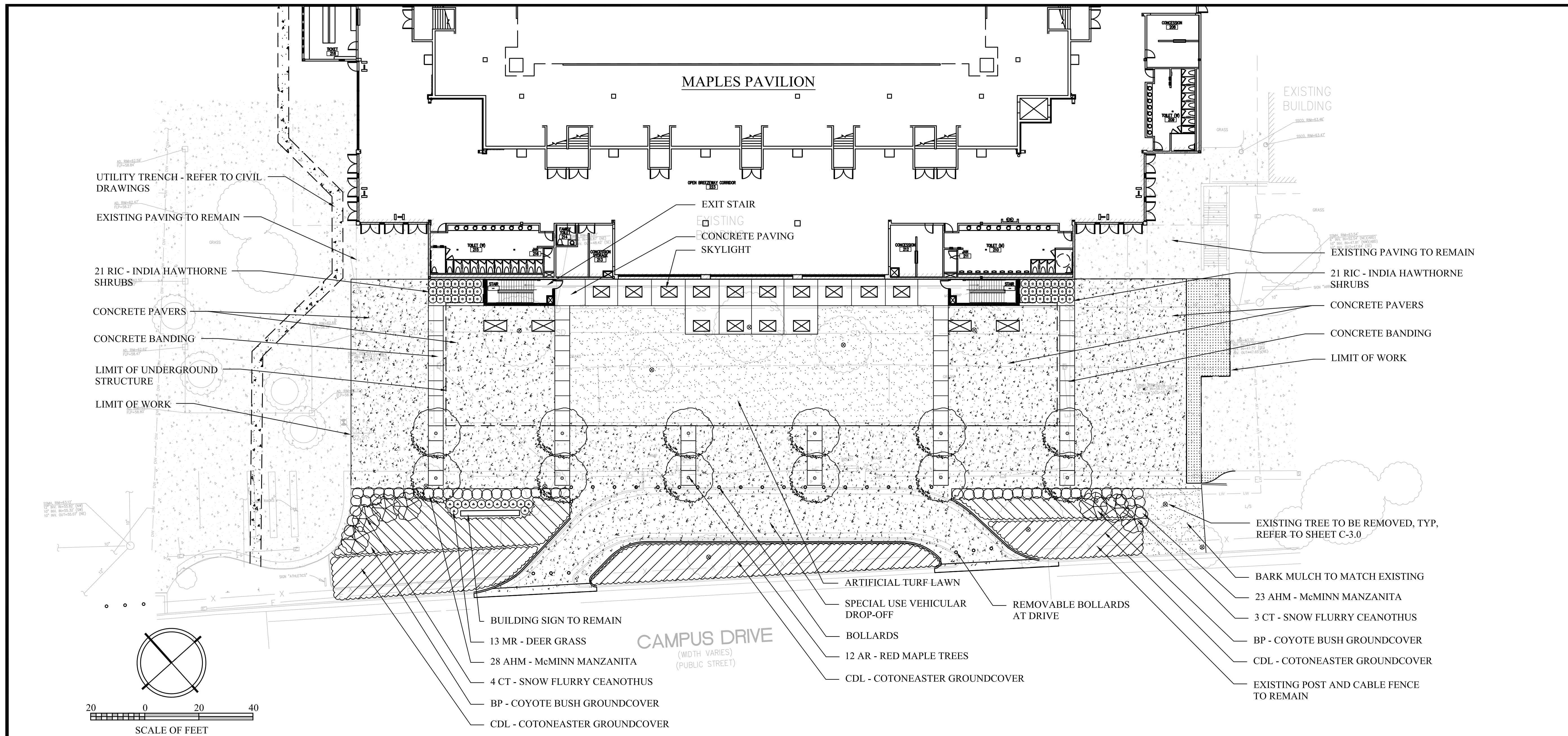
LANDSCAPE PLAN

SCALE

1" = 20'-0"

SHEET NUMBER

L-1.00



LANDSCAPE CONCEPT

THE LANDSCAPE CONCEPT FOR THE PROJECT IS TO CREATE A NEW ENTRY PLAZA AS PART OF THE MAPLES PAVILION EXPANSION. THE EXISTING LARGE LAWN AREA, VEHICULAR DROP-OFF AND SIDEWALK WILL BE REPLACED WITH A NEW PLAZA THAT PROVIDES A LARGER, MORE FORMAL ENTRY TO THE MAPLES PAVILION. THE PLAZA IS PAVED WITH A SERIES OF CONCRETE BANDS THAT SERVE TO DEFINE THE SPACE AND TO ORGANIZE THE ALLEE OF NEW TREES. THE BANDS ARE FILLED WITH COLORED CONCRETE PAVERS. METAL BOLLARDS SEPARATE THE CONTROLLED/ SPECIAL USE VEHICULAR DROP-OFF FROM CAMPUS DRIVE AND PEDESTRIAN AREAS. A DOUBLE ROW OF MAPLE TREES CROSS THE CENTER OF THE PLAZA, CREATING A STRONG VISUAL STATEMENT FOR THE PAVILION ON CAMPUS DRIVE AND PROVIDING A SHADED PATHWAY FOR PEDESTRIANS. A SMALL ARTIFICIAL TURF LAWN OFFERS VIEWS OF THE PAVILION AND PROVIDES OPPORTUNITIES FOR CASUAL OUTDOOR GATHERING AND SEATING. DEEP PLANTERS WITH A MIX OF SHRUBS AND GROUNDCOVER SEPARATE THE PLAZA FROM CAMPUS DRIVE. BLOCKS OF EVERGREEN SHRUBS ADJACENT TO THE NEW EXIT STAIRS REINFORCE THE SYMMETRY OF THE PLAZA DESIGN.

TREE PRESERVATION NOTES

- REFER TO THE TREE DISPOSITION TABLE ON SHEET C-3.0 AND TO THE ARBORIST REPORT PREPARED BY WALTER LEVISON, CONSULTING ARBORIST, FOR TREES TO BE SAVED AND REMOVED.
- REFER TO TREE PROTECTION AND REMOVAL NOTES ON SHEET C-3.0.

PLANTING NOTES

- PROJECT SHALL COMPLY WITH SANTA CLARA COUNTY AND STANFORD UNIVERSITY PLANTING REQUIREMENTS, INCLUDING:
 - 1.1 SOIL SHALL BE CONDITIONED AND AMENDED AS PER THE RESULTS OF A SOILS TEST.
 - 1.2 ALL SHRUB AND GROUNDCOVER AREAS SHALL BE MULCHED WITH 3" DEPTH OF BARK OR GRAVEL MULCH.
- REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION, PAVING, GRADING AND DRAINAGE AND STORMWATER MANAGEMENT.

IRRIGATION NOTES

- REFER TO SHEET L2.0 FOR PRELIMINARY IRRIGATION PLAN.

PLANT LIST

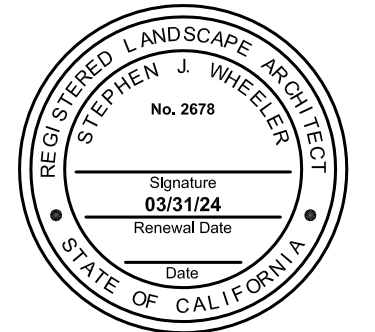
KEY	QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WATER USAGE
<u>TREES</u>							
	12	AR	ACER RUBRUM	RED MAPLE	36" BOX		M
<u>SHRUBS AND GRASSES</u>							
	51	AHM	ARCTOSTAPHYLOS 'HOWARD McMINN'	McMINN MANZANITA	5 GAL	48" O.C.	L
	7	CT	CEANOTHUS THYSIFLORUS 'SNOW FLURRY'	SNOW FLURRY CEANOTHUS	15 GAL	AS SHOWN	L
	13	MR	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	30" O.C.	L
	42	RIC	RHAPHIOLEPIS INDICA 'CLARA'	WHITE INDIAN HAWTHORN	5 GAL	30" O.C.	L
<u>GROUNDCOVER</u>							
	-		ARTIFICIAL TURF				
	-	BP	BACCHARIS PILULARIS 'PIGEON POINT'	DWARF COYOTE BUSH	1 GAL	36" O.C.	L
	-	CDL	COTONEASTER DAMMERI 'LOWFAST'	PROSTRATE COTONEASTER	1 GAL	36" O.C.	L

MAPLES PAVILION
ADDITION

STANFORD UNIVERSITY



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



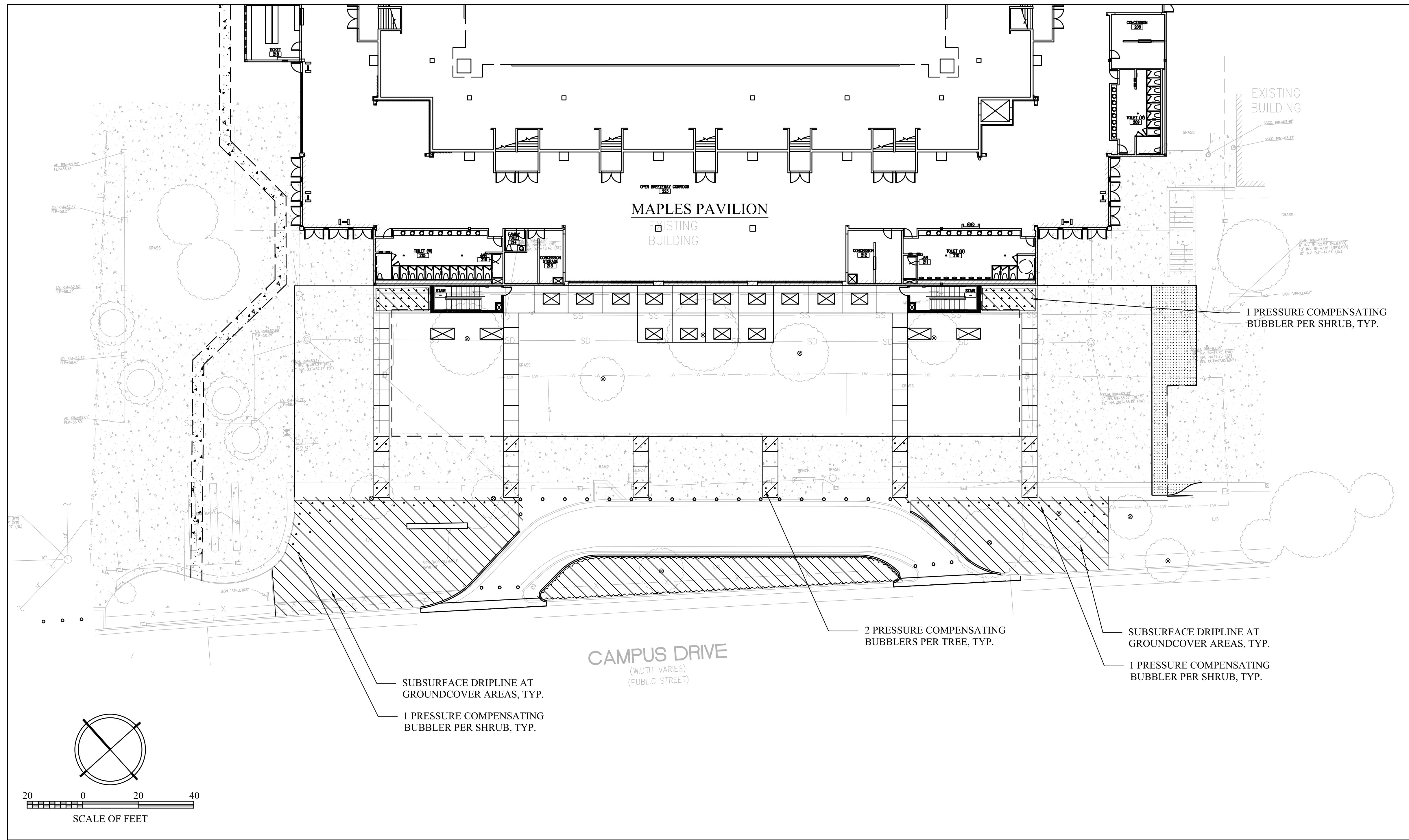
ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	09.16.22	ASA SET

PROJECT NUMBER
21022

SHEET TITLE
IRRIGATION PLAN

SCALE
1" = 20'-0"

SHEET NUMBER



IRRIGATION NOTES

1. THE IRRIGATION SYSTEM SHALL BE DESIGNED BY A CERTIFIED IRRIGATION DESIGNER TO MEET SANTA CLARA COUNTY AND STANFORD UNIVERSITY REQUIREMENTS AND MAWA STANDARDS.
2. TREES WILL BE IRRIGATED WITH 2 PRESSURE COMPENSATING BUBBLER PER TREE.
3. SHRUBS WILL BE IRRIGATED WITH 1 PRESSURE COMPENSATING BUBBLER PER SHRUB.
4. GROUNDCOVER AREAS WILL BE WATERED WITH SUBSURFACE DRIPLINE.
5. DEPENDING ON SITE CONDITIONS AND AVAILABLE STATIONS, THE IRRIGATION SYSTEM WILL BE EITHER CONNECTED TO AN EXISTING CONTROLLER OR FURNISHED WITH A NEW CONTROLLER WITH A FLOW MONITOR, RAIN SENSOR AND SURGE PROTECTION.

HYDROZONES BASED UPON WCOLS PLANT WATER USEAGE

KEY	AREA	WCOLS WATER USEAGE
	+/- 6,650 SF	LOW - 95%
	+/- 360 SF	MEDIUM - 5%
TOTAL:	+/- 7,010 SF	

BROOKWATER
IRRIGATION CONSULTANTS
480 ST. JOHN STREET, SUITE 220
PLEASANTON, CALIFORNIA 94566
TEL 925.855.0417 FAX 925.855.0357
E-MAIL JANET@BROOKWATER.COM

L-2.00