

**County of Santa Clara**  
**Department of Planning and Development**  
County Government Center, East Wing, 7th Floor  
70 West Hedding Street  
San Jose, CA 95110  
Phone: (408) 299-5700  
[www.plandev.santaclaracounty.gov](http://www.plandev.santaclaracounty.gov)



**STAFF REPORT**  
**Zoning Administration**  
**Special Hearing**  
**November 21, 2024**  
**Item # 1**

Staff Contact: David Horwitz, Assistant Planner  
(408) 299-5795, [david.horwitz@plns.sccgov.org](mailto:david.horwitz@plns.sccgov.org)

**PLN24-078 (STANFORD UNIVERSITY)**

**Architecture and Site Approval and Grading Approval – Stanford University Lacrosse Practice Field**

Summary: Architecture & Site Approval (ASA) and Grading Approval for the construction of a new lacrosse practice field including installation of utilities, fencing, and sports field lighting. Proposed grading quantities associated with the Grading Approval include 7,618 cubic yards (c.y.) of cut and 1,761 c.y. of fill, with a maximum depth of two feet. Thirty-nine trees are proposed for removal, none of which are protected trees.

**Owner:** Stanford University  
**Applicant:** Mark Bonino, Project Manager  
**Address:** 657 Masters Mall, Stanford  
**APN:** 142-04-036

**Community Plan Designation:** Academic Campus  
**Zoning:** A1  
**Project Area:** 3.35 acres  
**Supervisory District:** 5

**RECOMMENDED ACTIONS**

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

**ATTACHMENTS INCLUDED**

- Attachment A – CEQA Determination – Use of a Prior CEQA Document
- Attachment B – Preliminary ASA Conditions of Approval
- Attachment C – Location & Vicinity Map
- Attachment D – Proposed Plans

## **PROJECT DESCRIPTION**

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The proposed project is for the construction of a new lacrosse practice field with the installation of utilities, fencing, and sports field lighting. The project site is located in Stanford’s Department of Athletics, Physical Education and Recreation (DAPER) and Administrative Development District, in the western half of the Master’s Eucalyptus Grove, surrounded by other Stanford athletic facilities including Maloney Soccer Field to the north, Klein Baseball Field to the west, and Steuber Rugby Stadium to the south. El Camino Real is located 170 feet east of the project site. Attachment C includes a location and vicinity map of the project site.

Proposed grading quantities associated with the Grading Approval include 7,618 c.y. of cut and 1,761 c.y. of fill with a maximum depth of two feet.

No new parking spaces are proposed with this project. Thirty-nine (39) non-oak trees are proposed to be removed. These trees proposed for removal are not protected trees per the County of Santa Clara tree preservation ordinance and are not required to be replaced. One (1) non-oak tree and twenty-five (25) oak trees are proposed to be planted on site.

## **REASONS FOR RECOMMENDATION**

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

The proposed project is in conformance with both the 2000 Stanford Community Plan (“SCP”, amended 2023) and the 2000 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 which allows Stanford to construct up to 2,035,000 net square feet of academic and academic support uses on Stanford lands.

The Lacrosse Practice Field will be located within the DAPER and Administrative Development District which is an area of the academic campus designated for Stanford athletic facilities. With no proposed facilities for spectators or events, the project will not generate additional trips or parking demand over the existing conditions. The project has no amplified sound system and noise generation would be limited to noise incidental to the practice activities by staff and players. The proposed project includes sports field lighting that has been reviewed to assess spillage and glare and has been conditioned to minimize spillage and glare to a less than significant level, which the Program EIR analyzed for sports facilities. Thus, the proposed project is within the scope of the campus development analyzed in the 2000 GUP and use of the prior CEQA is adequate.

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

1. Stanford Community Plan and GUP: The project conforms to applicable Community Plan goals, strategies, and policies. Academic Support uses like athletic facilities are

permitted uses within the Academic Campus land use designation, and as conditioned will satisfy the requirements of the GUP. The 2000 Community Plan and GUP govern development projects on the Stanford campus. This project conforms to the criteria set forth by the GUP and provisions identified within the Community Plan, and is subject to compliance with the preliminary conditions outlined in Attachment B.

**2. ASA approval:**

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 the ASA Guidelines through the ASA approval process approved by the Zoning Administrator.

**C. ASA Findings:**

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

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

Long-term traffic

The project is located within an established area of the Stanford academic campus with adequate parking facilities. Traffic impacts of academic and academic support projects in the core of the campus have been assessed in the programmatic 2000 GUP EIR. These traffic impacts are not dependent on the location of academic and academic support facilities, as occupants of these buildings will travel to established parking areas, not to the proposed building itself. As such, the project does not generate any new trips from a traffic impact perspective. Additionally, the traffic would be consistent with that analyzed in the 2000 GUP EIR.

Short-term construction traffic

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

Parking

Stanford addresses parking needs at the University in a comprehensive manner, staying within the parking cap established under the 2000 GUP. The project does not propose adding to or removing existing parking spaces, as the existing parking is adequate for the proposed development. The nearest commuter and visitor parking are located within approximately 450 feet at the Varsity Parking Lot on Sam McDonald Mall. Additional

parking is located on Galvez Road, in the Track House Lot, which approximately 1,600 feet from the project area.

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 lacrosse practice field will not be detrimental to the character of the surrounding neighborhood. The project site is located in the DAPER and Administrative Development District, surrounded by other Stanford athletic facilities including the Maloney Soccer Field to the north, Klein Baseball Field to the west, and Steuber Rugby Stadium to the south. The proposed new lacrosse practice field will be constructed on the western half of the Master's Eucalyptus Grove. The new field will be a natural turf playing field. Fencing installed on the perimeter of the field will be four-foot-tall cortan fencing to match fencing at surrounding athletic facilities. The project does not include the construction of any structures or signs. Attachment D includes the site plan, floor plans, and elevations for the proposed project.

Four lighting poles are proposed to provide illumination for the lacrosse practice field with a top of fixture height of approximately 80 feet as shown on sheets E2 through E8 of Attachment D. The County Code does not limit the height of the lighting poles on properties where uses are not residential or agricultural. The lighting fixtures mounted at 80 feet are downward-directed with glare shields, as shown on sheet E8 of Attachment D. The lighting fixtures mounted at 15 feet 6 inches are upward-directed with glare shields, as shown on sheet E8 of Attachment D. The upward-directed light is necessary to establish the use, to ensure that the lacrosse ball is visible in the air. Per the submitted photometric plan, lighting is focused on the lacrosse practice field and although there would be some spillage beyond the project limit boundary, it would not be detrimental to the surround Stanford athletic facilities or pedestrians and motorists traveling on El Camino Real. The spillage varies between 13.7 and 0.2 footcandles at the edge of the development area. El Camino Real is approximately 170 feet from the site limit boundary and would receive minimal light spillage (approximately 0.03 footcandles). The streetlights that line El Camino Real have a greater light intensity than the light spillage from the project at that location, and the light spillage from the project would therefore be inconsequential.

The proposed lacrosse practice field conforms with the 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 feet 6 inches 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. Thirty-nine (39) non-oak trees are proposed to be removed. These trees proposed for removal are not protected trees per the County of Santa Clara tree preservation ordinance and are not required to be replaced. One non-oak tree and 25 oak trees are proposed to be planted on site (shown on sheet L-1.01 of Attachment D).

A preliminary landscape plan was submitted by the applicant for review. The landscaping includes natural and artificial turf, one (1) crape myrtle tree and twenty-five (25) coast live oak trees, bark mulch, decomposed granite paving, and concrete paving. No issues of concern were identified, and the preliminary landscape plan meets County requirements. Staff has added a condition of approval requiring that the landscaping meet the requirements of the SCP and GUP. The final landscape plan is also subject to the requirements of the County Sustainable Landscape Ordinance. As such, the final landscape plan will not be detrimental to the character of the surrounding area and 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 project is within the scope of the development analyzed in the 2000 GUP EIR. All appropriate conditions of approval have been added to ensure conformance with the 2000 GUP EIR.

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

As such, this finding can be made.

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

The project site does not contain any creeks or streams and is not located within a 100-year flood zone. The project has been reviewed by County Land Development and Engineering staff with respect to all applicable regulations relating to drainage and flood control. The proposed project will result in a net increase of 3,409 sq. ft. of impervious

surface. Stormwater runoff from the increased impervious area will be control by existing stormwater facilities at Stanford University.

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

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

The Fire Marshal’s Office has reviewed and conditioned the project to ensure existing and proposed fire protection access and water supply are in conformance with applicable regulations. Additionally, Conditions of Approval no. 11 through 13 (Attachment B) have been included to ensure compliance with County regulations relating to fire protection.

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

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

The project is not anticipated to cause any significant increase in noise levels to the surrounding neighborhoods. The project site is located in DAPER and Administrative Development District, surrounded by other Stanford athletic facilities. The project proposal does not include any outdoor sound amplification system.

The project may create short-term/temporary construction noise impacts due to construction activities and construction traffic. A condition of approval has been included to limit construction activities to the hours of 7 AM and 7 PM, Monday through Saturday, with no construction activity occurring between the hours of 7 PM and 7 AM, or on Sundays.

Therefore, as conditioned, this finding can be made.

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

The proposed project does not contain any structures, and therefore conformance to the A1 zoning district, which is the “General Use” zoning district that provides for general purpose uses subject to discretionary land use approvals, is not applicable.

The project site is located approximately 170 feet west of State Route 82 or El Camino Real (ECR), which is a state highway. In response to the 2000 GUP Condition L(1), in 2008, Stanford submitted the “Plan for the El Camino Real (ECR) Frontage” which was reviewed and accepted by County Planning Office. This plan outlines building setbacks and heights for development in the ECR frontage within Stanford campus. For the purpose of this plan, the El Camino Real frontage is defined as that land that falls within 100 feet of the Caltrans right-of-way line. The key development standards in the plan include: 1) minimum building setback of 20 feet from the property line along ECR, and a maximum building height of 50 feet from the level of the existing ground.

Though the above development standards do not apply to the lacrosse practice field as it is not situated in the ECR frontage area, the proposed project is consistent with the aforementioned standards. The proposed project is located 170 feet west of ECR and does not contain any buildings, and therefore the ECR development standards are not applicable to this project.

For the reasons stated above, this finding is *not applicable*.

**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 the lacrosse practice field as Academic Campus (AC). The proposed project is a construction of a new lacrosse practice field 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.

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

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

Some suggested regulations that are addressed in the ASA Guidelines are superseded by the requirements and guidelines of the SCP and GUP. Nonetheless, conformance with the SCP and GUP is consistent with the ASA Guidelines. Specifically, the proposed project complies with ASA Guideline A5 regarding lighting because the lighting will be focused on the lacrosse practice field with side shrouds to minimize spillage or glare. The landscaping guidelines set forth in ASA Guidelines as the landscaping blends with vegetation on nearby properties. As such, this finding *can* be made.

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

**D. Grading Findings:**

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

**A. 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.**

Proposed grading quantities associated with the Grading Approval include 7,618 c.y. of cut and 1,761 c.y. of fill with a maximum depth of two feet, to construct the lacrosse practice field. The proposed grading is designed to ensure proper drainage on the site. 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 reasons stated above, 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 Land Development Engineering Division, which will ensure 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.

For the reasons stated above, 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. Thirty-nine (39) non-oak trees are proposed to be removed. These trees proposed for removal are not protected trees per the County of Santa Clara tree preservation ordinance and are not required to be replaced. One non-oak tree and twenty-five (25) oak trees are proposed to be planted on site. Compliance to the conditions of approval (Attachment B) has been identified and is required to minimize impacts to the natural landscape, scenic, biological and aquatic resources, and minimize erosion impacts.

For the reasons stated above, 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 proposed lacrosse practice field will be constructed on the western half of the Master's Eucalyptus Grove. Grading associated with the Grading Approval is primarily used to design for sports play, and proper drainage on the site (as required by the Stormwater Management Plan). Proposed grading quantities associated with the Grading Approval are 7,618 c.y. of cut and 1,761 c.y. of fill with a maximum depth of two feet.

The proposed grading, with compliance with the conditions of approval in Attachment B, will be in conformance with all applicable regulations.

Therefore, as conditioned, 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 existing site is flat and the proposed project will not create visual scars. As such, the proposed grading is designed to conform with the existing topography of the surrounding area to minimize grading and visual impacts.

For the reasons stated above, 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 in keeping with General Plan policies. The proposed grading is required to establish the sports field and will ensure proper drainage on the site. The proposed landscaping area matches the existing grade and is therefore compatible with the surrounding development in the area.

For the reasons stated above, 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 AI zone on the academic campus of Stanford University, and is not located within a hillside zoning district.

For the reasons stated above, this finding is not applicable.

**BACKGROUND**

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On December 12, 2000, the County of Santa Clara approved the 2000 Stanford University Community Plan (updated in October 2023) 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 the type of housing construction, and for additional housing.

The proposed lacrosse practice field is located in the DAPER and Administrative Development District. No new GUP square footage will be added to the District as the project does not include any structures. The balance of square footage remaining in the District is 79,494 sq.ft.

On April 16, 2024 an application for Architecture and Site Approval and Grading Approval was submitted for the lacrosse practice field, and was filed by the Department of Planning and Development for review on April 30, 2024. The application was deemed incomplete on May 30, 2024 and was resubmitted on August 22, 2024. Subsequently, the application was deemed complete on September 19, 2024. Additional time was needed for staff to conduct the CEQA

determination. The applicant and Planning Staff consented to a 15-day CEQA extension pursuant to Section 15102 of the CEQA Guidelines. Staff deemed the project eligible for use of prior CEQA document (GUP EIR) on October 31, 2024.

A public notice was mailed to all property owners within a 300-foot radius and the interested parties list on November 8, 2024, and was also published in the Post Records on [November 11, 2024](#)<sup>1</sup>. As of writing this report, no public comments were received for this application.

## STAFF REPORT REVIEW

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Prepared by: David Horwitz, Assistant Planner

*David Horwitz*

Reviewed by: Charu Ahluwalia, Senior Planner

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*Charu Ahluwalia*  
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Reviewed by: Samuel Gutierrez, Principal Planner

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*Samuel Gutierrez*  
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<sup>1</sup> San Jose Post Record; <https://www.postrecord.news/home.cfm?ref=legalnotices&disp=1> – Legal Notices November 11, 2024; <https://www.postrecord.news/LegalNotices/SJR-2024-10-28.pdf>

# ATTACHMENT A

## Use of Prior CEQA

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

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

<b>File Number</b>	<b>APN(s)</b>	<b>Date</b>
PLN24-027	142-04-036	November 21, 2024
<b>Project Name</b>	<b>Project Type</b>	
Stanford University Lacrosse Practice Field	Architecture & Site Approval and Grading Approval	
<b>Owner</b>	<b>Applicant</b>	
Stanford University	Mark Bonino, Project Manager	
<b>Project Location</b>		
657 Masters Mall, Stanford		
<b>Project Description</b>		
Architecture & Site Approval (ASA) and Grading Approval for a new lacrosse practice field with associated improvements including sports field lighting. Proposed grading quantities include 7,618 cubic yards of cut and 1,761 cubic yards of fill with a maximum vertical depth of two feet. Thirty-nine (39) trees are proposed for removal, none of which are protected.		
<b>Background and Summary of Findings</b>		

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

The Planning Office evaluated the project described above and has determined that none of the circumstances exist which would require additional environmental review. The proposed project is in conformance with both the 2000 Stanford Community Plan (“SCP”, amended 2023) and the 2000 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 which allows Stanford to construct up to 2,035,000 net square feet of academic and academic support uses on Stanford lands. The Lacrosse Practice Field will be located within the DAPER and Administrative Development District which is an area of the academic campus designated for Stanford athletic facilities. With no proposed facilities for spectators or events, the project will not generate additional trips or parking demand over the existing conditions. The project has no amplified sound system and noise generation would be limited to noise incidental to the practice activities by staff and players. The proposed project includes sports field lighting that has been reviewed to assess spillage and glare and has been conditioned to minimize spillage and glare to a less than significant level, which the Program EIR analyzed for sports facilities. Thus, the proposed project is within the scope of the campus development analyzed in the 2000 GUP and use of the prior CEQA is adequate and no further environmental review is required.



**Prepared by:**

David Horwitz, Assistant Planner

*David Horwitz*

**Signature**

11/21/24

**Date**

# **ATTACHMENT B**

## Preliminary Conditions of Approval

**ATTACHMENT B**

**PRELIMINARY CONDITIONS OF APPROVAL  
For  
ARCHITECTURE & SITE APPROVAL & GRADING APPROVAL**

Date: November 21, 2024

Owner/Applicant: Mark Bonino, Stanford University

Location: 657 Masters Mall, Stanford, CA 94305 (APN: 142-04-036)

File Number: PLN24-078

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

Project Description: Architecture & Site Approval (ASA) and Grading Approval for the construction of a new lacrosse practice field including installation of utilities, fencing, and sports field lighting. Proposed grading quantities associated with the Grading Approval include 7,618 cubic yards (c.y.) of cut and 1,761 c.y. of fill, with a maximum depth of two feet. Thirty-nine (39) unprotected trees are proposed for removal.

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

<b>Agency</b>	<b>Name</b>	<b>Phone</b>	<b>E-mail</b>
<b>Planning</b>	David Horwitz	(408) 299-5795	<a href="mailto:david.horwitz@pln.sccgov.org">david.horwitz@pln.sccgov.org</a>
<b>Land Development Engineering</b>	Ed Duazo	(408) 299-5733	<a href="mailto:ed.duazo@pln.sccgov.org">ed.duazo@pln.sccgov.org</a>
<b>Fire Marshal</b>	Alex Goff	(408) 299-5763	<a href="mailto:alex.goff@sccfd.org">alex.goff@sccfd.org</a>
<b>Environmental Health</b>	Darrin Lee	(408) 573-2464	<a href="mailto:darrin.lee@cep.sccgov.org">darrin.lee@cep.sccgov.org</a>
<b>Building Inspection</b>	Building Inspection Office	(408) 299-5700	

**STANDARD CONDITIONS OF APPROVAL**

Building Inspection

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

Planning

2. Development and maintenance of the project site shall take place in accordance with approved plans, received by the Department of Planning and Development (Department) on August 22, 2024. The project allows construction of a lacrosse practice field and the installation of utilities, fencing, and sports field lighting. The plans submitted into Plan Check shall be in substantial conformance with the approved plans.

The proposed sports field lighting shall be installed according to the approved plans received by the Department of August 22, 2024, and the manufacturers specifications and cut sheets received by the Department on October 17, 2024. The sports field lighting shall be permanently affixed in its position as shown on the approved plans, manufacturers specifications, and cut sheets.

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 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 a fossilized shell or bone is uncovered during any earth-disturbing operation, contractors shall stop work in the immediate area of the find and notify the Campus Archaeologist and the County Building Inspector assigned to the project. The Campus Archaeologist shall visit the site and make recommendations for treatment of the find (including but not limited to consultation with a paleontologist and excavation, if warranted), which would be sent to the County Building Inspection Office and the County Planning Office. If a fossil find is confirmed, it will be recorded with the United States Geological Survey and curated in an appropriate repository.

#### Department of Environmental Health

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

#### Fire Marshal's Office

NOTE: The review of this project was for Fire Land Use ONLY, further review including Fire Life Safety review will be conducted at Building Permit submittal.

11. Maintenance: Fire protection water systems and equipment shall be accessible and maintained in operable condition at all times, and shall be replaced or repaired where defective. Fire protection water shall be made available to the fire department.
12. 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.
13. Any proposed structures and or permanent seating would require further Fire review.

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

### **Planning**

14. 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.”*
  
15. 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.”*
  
16. Submit a site plan that shows all pedestrian and bicycle corridors along with public transit stops adjacent to the project site and indicate how bicycle, pedestrian, and public transit access and circulation will be maintained during construction. Bicycle and pedestrian access onto the campus and around the site (outside construction areas) shall not be substantially limited by construction activities associated with the project. In addition,

access to public transit shall not be limited, which could include the relocation or removal of adjacent bus stops.

17. 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.
  
18. 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.
19. The following tree removal/protection requirements shall apply:
- A. Thirty-nine (39) non-oak trees are authorized for removal with this project. One non-oak tree and twenty-five (25) oak trees are to be planted on site.
  - B. All other trees in the project area shall remain and are protected after the approval of this ASA and Grading Approval, per plan \_\_\_\_ (Tree Protection and Disposition Plan) and plan \_\_\_\_ (Planting 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 on 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 the consistency of final grading plans with these mitigations and a construction-observation letter **prior to the issuance of final occupancy** summarizing the implementation of these mitigation measures.
    - i. Provide an arborist report that recommends effective tree protection measures for the site's existing trees that have not been slated for removal. Protection measures must be in place prior to construction activity commencing.
20. 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.
21. 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.

22. Landscape Plan: The requirements of Division B33 of the County Ordinance Code (Sustainable Landscape Ordinance) shall apply. As proposed, if the total landscape area exceeds 2,500 sq. ft., a landscape documentation package shall be submitted **prior to grading 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>

23. 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.
24. **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, lighting cut sheets). The Photometric plan shall note the light fixtures and their locations relative to their photometrics on the plan. Light poles or mounting details must also be included. Lighting shall include light fixtures that are shielded. All lighting shall only illuminate the area intended. Use “state-of-the-art” luminaries including those with high beam efficiency.

#### Land Development Engineering

25. Obtain a Grading Permit from Land Development Engineering (LDE) prior to beginning any construction activities. The process for obtaining a Grading Permit and the forms that are required can be found at the following web page:

<https://plandev.santaclaracounty.gov/home> > How Do I... > Grading Permit

26. Final plans shall include a single sheet which contains the County standard notes and certificates as shown on County Standard Cover Sheet. Plans shall be neatly and accurately

drawn, at an appropriate scale that will enable ready identification and recognition of submitted information.

27. Final grading plans shall be prepared by a licensed civil engineer for review and approval by LDE and the scope of work shall be in substantial conformance with the conditionally approved preliminary plans on file with the Department. Include plan, profile, typical sections, contour grading, and other details as appropriate for construction. The final design shall be in conformance with all currently adopted standards and ordinances. The following standards (Land Development Engineering Standards and Policies Manual, Volume 1, and 2007 Santa Clara County Drainage Manual) are available on-line:

<https://plandev.santaclaracounty.gov/codes-and-policies/land-development-engineering> >  
Land Development Standards and Policies

[https://stgenpln.blob.core.windows.net/document/DrainageManual\\_Final.pdf](https://stgenpln.blob.core.windows.net/document/DrainageManual_Final.pdf)

28. Survey monuments shall be shown on the improvement plan to provide sufficient information to locate the proposed improvements and the property lines. Existing monuments must be exposed, verified and noted on the grading plans. Where existing monuments are below grade, they shall be field verified by the surveyor and the grade shall be restored and a temporary stake shall be placed identifying the location of the found monument. If existing survey monuments are not found, temporary staking delineating the property line may be placed prior to construction and new monuments shall be set prior to final acceptance of the improvements. The permanent survey monuments shall be set pursuant to the State Land Surveyor's Act. The Land Surveyor / Engineer in charge of the boundary survey shall file appropriate records pursuant to Business and Professions Code Section 8762 or 8771 of the Land Surveyors Act with the County Surveyor.
29. The improvement plans shall include an Erosion and Sediment Control Plan that outlines seasonally appropriate erosion and sediment controls during the construction period). Include the County's Standard Best Management Practice Plan Sheets BMP-1 and BMP-2 with the Plan Set.
30. All new on-site utilities, mains and services shall be placed underground and extended to serve the proposed development. All extensions shall be included in the improvement plans. Off-site work should be coordinated with any other undergrounding to serve other properties in the immediate area.
31. Include at least one of the following site design measures in the project design:
  - A. Direct impervious hardscape onto vegetated areas; or,
  - B. Construct impervious hardscape (driveway, walkways, patios, etc.) with permeable surfaces.

32. Indicate on the grading plans the land area that will be disturbed. If one acre or more of land area will be disturbed, file a Notice of Intent (NOI) with the State Water Resources Control Board for coverage under the State General Construction Permit. The SWRCB will issue a Waste Discharge Identification (WDID) number. The WDID number shall be shown on the grading plans. The SWRCVB website is:

[www.waterboards.ca.gov](http://www.waterboards.ca.gov) > Programs > Stormwater > Construction

33. Demonstrate that the on-site drainage will be controlled in such a manner as to not increase the downstream peak flow for the 10-year and 100-year storm event or cause a public nuisance.
34. Submit one copy of the signed and stamped of the geotechnical report for the project.
35. Submit a plan review letter by the Project Geotechnical Engineer certifying that the geotechnical recommendation in the above geotechnical report have been incorporated into the improvement plan.

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

**Planning**

36. All grading materials and stockpiled materials shall be removed and disposed at an approved location.
37. Following completion of construction, contact the Planning Department (David Horwitz at (408) 299-5795) **at least two weeks in advance** to set up an appointment to schedule two site visits: One day-time site visit shall be required to verify the development is constructed per the approved plans. One night-time (after sunset) inspection shall be required to substantiate that the installed lighting, when in operation, does not contribute to light spillage or glare beyond what is shown on the approved plan. Both inspections shall be conducted and found to be in compliance with the approved plans prior to final Planning sign-off of the permit.

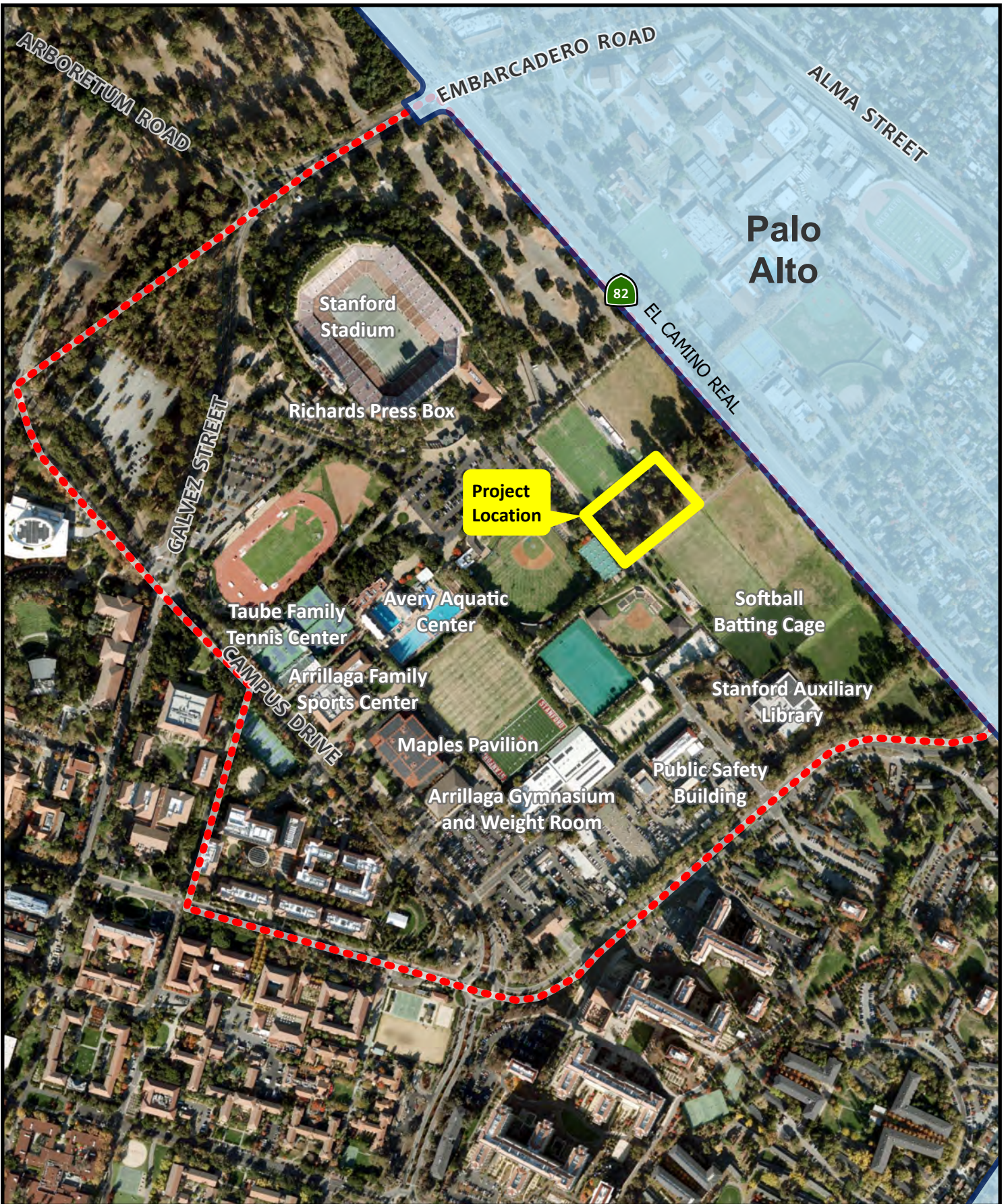
**Land Development Engineering**

38. Construct the improvements. Construction staking is required and shall be the responsibility of the developer.
39. 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.

# **ATTACHMENT C**


## Location and Vicinity Map

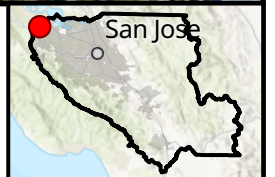
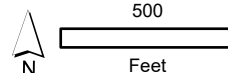




### Location and Vicinity Map

Record No. PLN24-078  
 APN 142-04-036  
 Stanford University  
 Lacrosse Practice Field

 Stanford DAPER Development District Boundary



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# **ATTACHMENT D**

## Proposed Plans

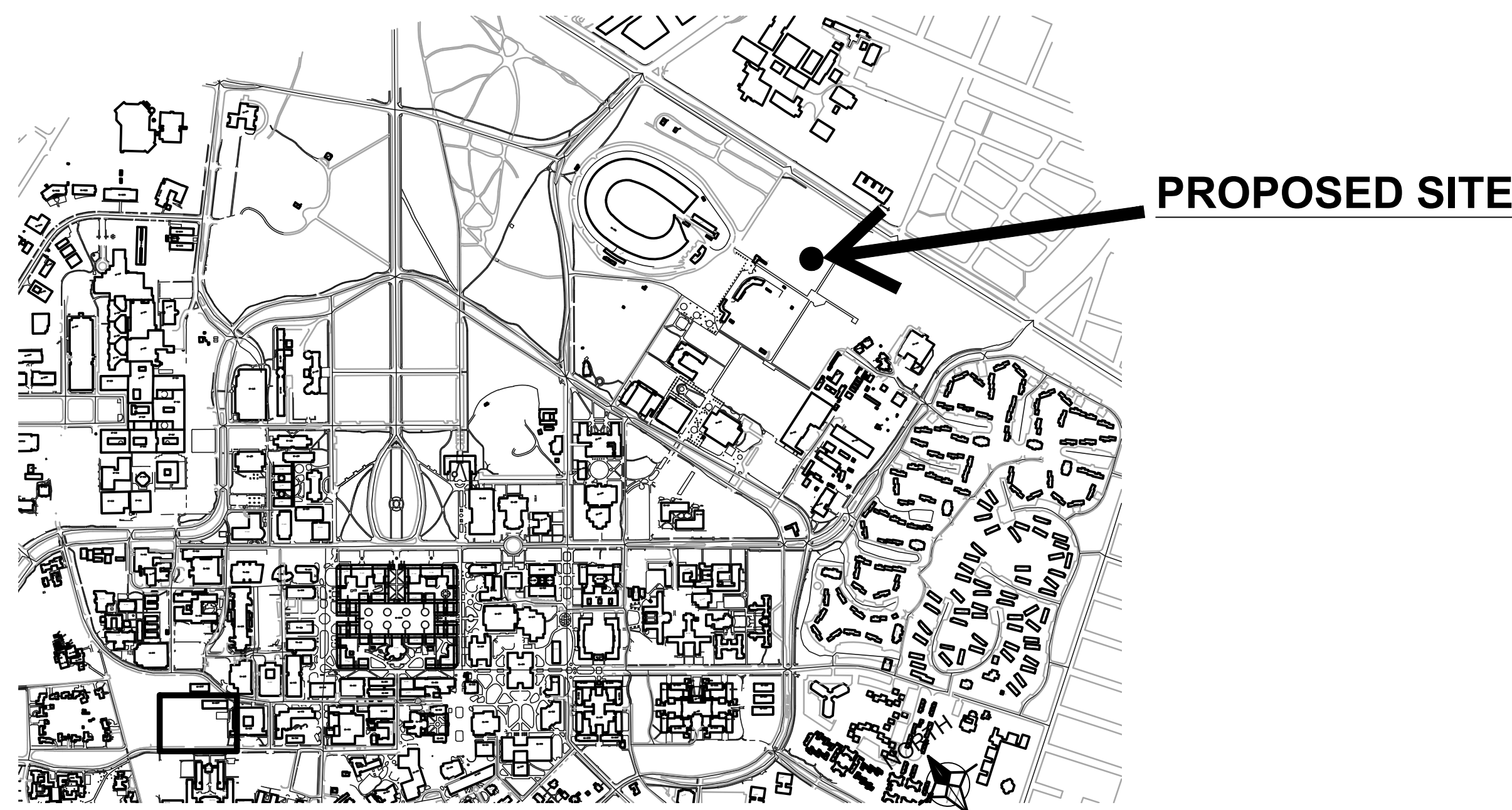
ASA SUBMITTAL SET

# STANFORD UNIVERSITY LACROSSE PRACTICE FIELD

PROJECT 200184

(09-379, 657 MASTERS MALL)

DRAWING STATUS: ASA SUBMITTAL  
 SUBMITTAL DATE: 03/18/2024  
 APPROVAL DATE: 08/13/2024  
 PERMIT APPLICATION  
 CONSTRUCTION PERMIT  
 RECORD DRAWINGS



**VICINITY MAP**

**DRAWING INDEX**

- PL0.0 TITLE SHEET
- PL1.2 GUP INFORMATION MAP
- C-1.0 COUNTY COVER SHEET
- C-1.1 CONSTRUCTION NOTES
- C-2.0 TOPOGRAPHIC SURVEY
- C-3.0 DEMOLITION/TREE REMOVAL PLAN
- C-3.1 DEMOLITION/TREE REMOVAL PLAN
- C-4.0 GRADING & DRAINAGE PLAN
- C-4.1 GRADING SECTIONS
- C-5.0 UTILITY PLAN
- C-6.0 EROSION CONTROL PLAN
- C-6.1 COUNTY BMP NOTES
- C-6.2 COUNTY BMP NOTES
- C-7.0 FIRE ACCESS PLAN
- C-8.0 STORMWATER MANAGEMENT PLAN
- C-9.0 CONSTRUCTION SITE/LOGISTICS SAFETY PLAN
- L-1.01 LANDSCAPE PLAN
- L-1.02 LANDSCAPE NOTES
- E-1 PROJECT SUMMARY
- E-2 ILLUMINATION SUMMARY
- E-3 ILLUMINATION SUMMARY
- E-4 ILLUMINATION SUMMARY
- E-5 ILLUMINATION SUMMARY
- E-6 ILLUMINATION SUMMARY
- E-7 EQUIPMENT LAYOUT
- E-8 POLE CONFIGURATION DRAWING
- E-9 EXISTING LIGHTING PLAN
- E-10 EXISTING LIGHTING SPECIFICATIONS

**SITE DATA INFORMATION**

**GENERAL**

APN: 142-04-036  
 PARCEL SIZE: 580.15 AC  
 DEVELOPMENT DISTRICT: DAPER AND ADMINISTRATIVE  
 BUILDING/QUAD: 09-379  
 LAND USE DESIGNATION: ACADEMIC CAMPUS  
 SITE AREA: 139,275 SF

**PERCENTAGE OF SITE AREA:**

LANDSCAPE: 97.6 %  
 HARDSCAPE: 2.4 %

**EXCAVATION TABLE**

LOCATION	CUT (C.Y.)	FILL (C.Y.)	VERT. DEPTH
RESIDENCE	0	0	
ACCESSORY STRUCTURE	0	0	
POOL/HARDSCAPE	0	0	
LANDSCAPE	7,618	1,761	2
DRIVEWAY	0	0	
OFF SITE IMPROVEMENTS	0	0	
<b>TOTAL</b>	<b>7,618</b>	<b>1,761</b>	<b>2</b>

**PROJECT DESCRIPTION:**

THIS PROJECT INCLUDES CONSTRUCTION OF A NEW LACROSSE FIELD. THE SCOPE OF WORK INCLUDES SITE GRADING, INSTALLATION OF UTILITIES, REMOVAL OF EXISTING TREES AND INSTALLATION OF FENCING.

**PROJECT MANAGER:**  
 Mark Bonino  
 560 Fremont Road  
 Stanford, CA 94305  
 Telephone: (650) 723-0022  
 mbonino@stanford.edu

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

TITLE SHEET

STANFORD UNIVERSITY  
 LACROSSE PRACTICE FIELD

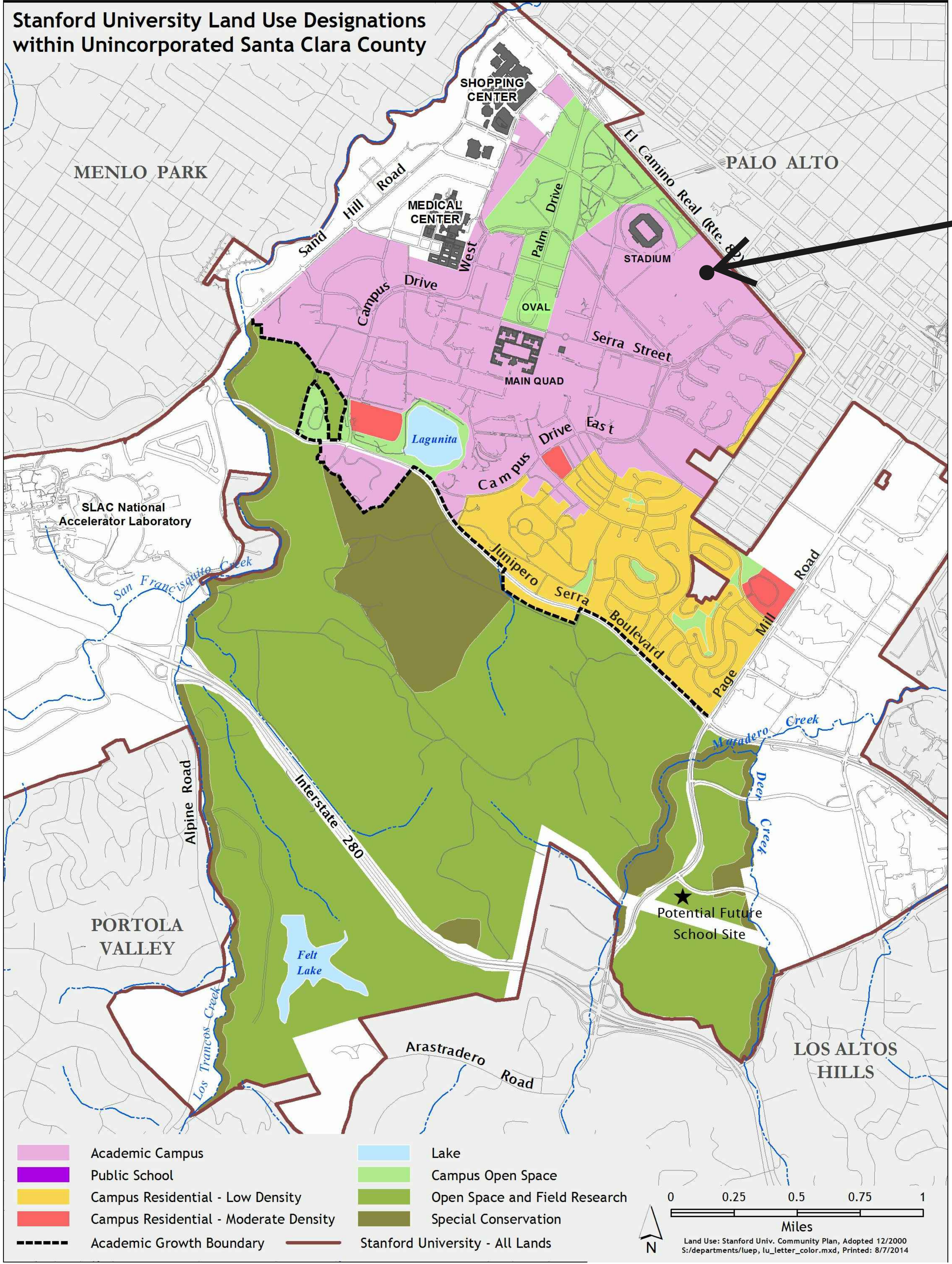
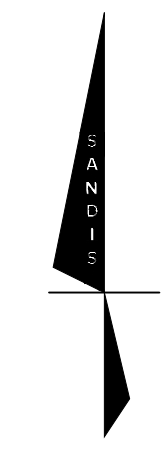
DATE: 03/18/2024

SCALE: N/A

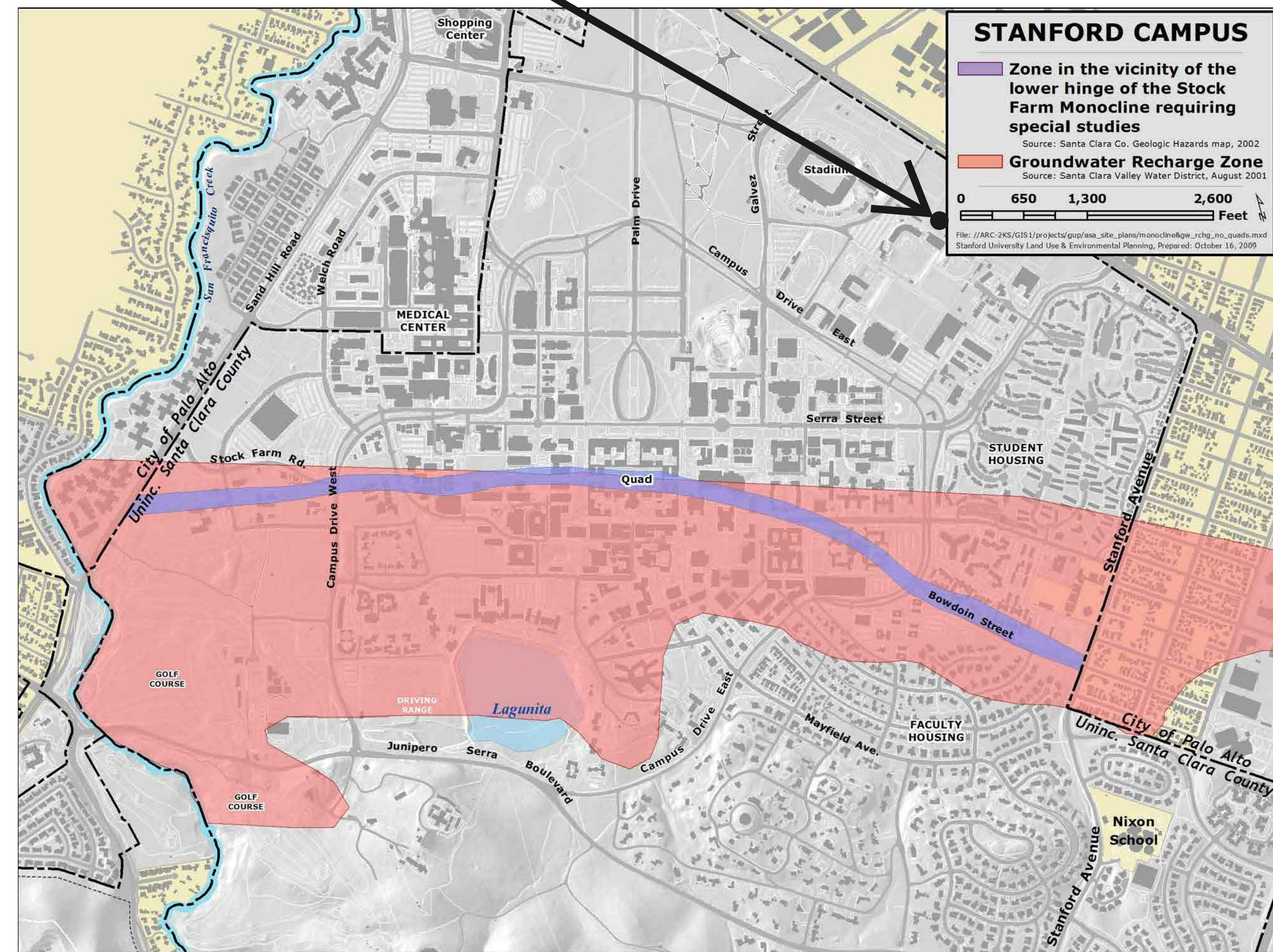
**PL0.0**



GUP INFORMATION MAP



PROPOSED SITE



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

GUP INFORMATION MAP

STANFORD UNIVERSITY  
LACROSSE PRACTICE FIELD

DATE: 03/18/2024  
SCALE: N/A

PL12



COUNTY OF SANTA CLARA

General Construction Specifications

GENERAL CONDITIONS

- 1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY SILICON VALLEY SOIL ENGINEERING AND DATED XXXX 20XX. THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS, 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) 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.

CONSTRUCTION STAKING

- 1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT CONSTRUCTION GRADE STAKES. 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.

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. THE COUNTY ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO COMMENCING WORK FOR GENERAL INSPECTION, 48 HOURS FOR ASPHALT CONCRETE INSPECTION.

SITE PREPARATION (CLEARING AND GRUBBING)

- 1. EXISTING TREES AUTHORIZED FOR REMOVAL, ROOTS, AND FOREIGN MATERIAL IN AREAS TO BE IMPROVED WILL BE REMOVED TO AN AUTHORIZED DISPOSAL SITE AS FOLLOWS: A) TO A MINIMUM DEPTH OF TWO FEET BELOW THE FINISHED GRADE OF PROPOSED ROADWAYS (EITHER PRIVATE OR TO BE DEDICATED TO PUBLIC USE).

UTILITY LOCATION, TRENCHING & BACKFILL

- 1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.

RETAINING WALLS

- 1. 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.

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL 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 DEPTH OF 6" BEFORE FILL IS PLACED.

Table with columns: LOCATION, CUT (C.Y.), FILL (C.Y.), VERT. DEPTH. Rows include RESIDENCE, ACCESSORY STRUCTURE, POOL/HARDSCAPE, LANDSCAPE, DRIVEWAY, OFF SITE IMPROVEMENTS, and TOTAL.

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE. EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE. 7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.

TREE PROTECTION

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFERE WITH GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE, THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE FOLLOWING: A. FENCING SHALL BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIFLINE OF THE TREE OR GROVE OF TREES.

ACCESS ROADS AND DRIVEWAYS

- 1. 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).

STREET LIGHTING

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

SANITARY SEWER

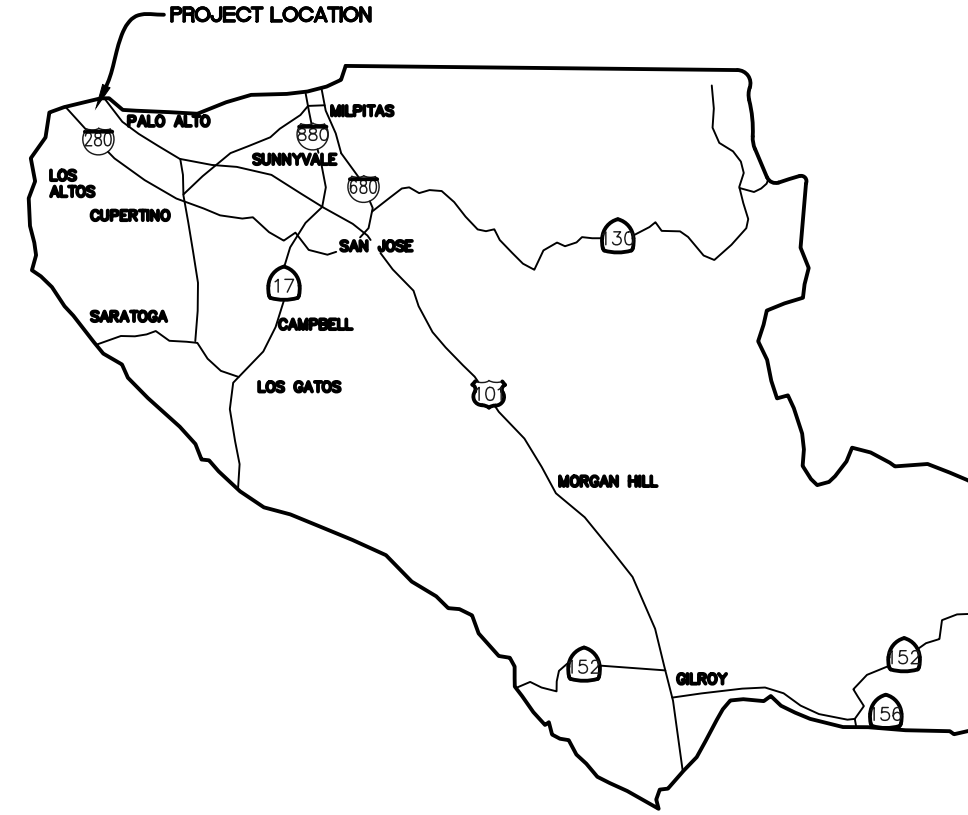
- 1. THE SANITARY SEWER AND WATER UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.

PORTLAND CEMENT CONCRETE

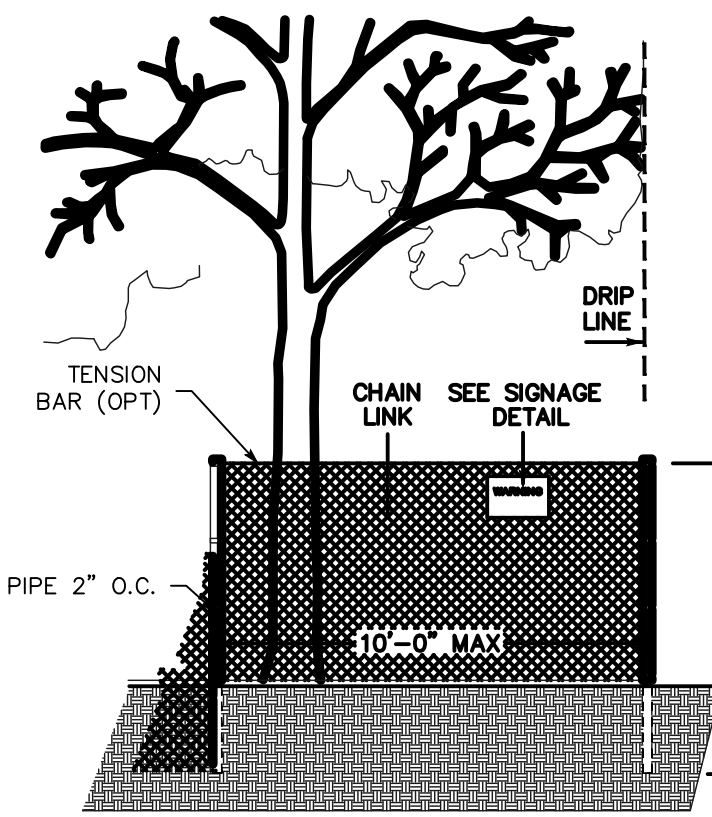
- 1. CONCRETE USED FOR STRUCTURAL PURPOSES SHALL BE CLASS "A" (6 SACK PER CUBIC YARD) AS SPECIFIED IN THE STATE STANDARD SPECIFICATIONS. CONCRETE PLACED MUST DEVELOP A MINIMUM STRENGTH FACTOR OF 2800 PSI IN A SEVEN-DAY PERIOD. THE CONCRETE MIX DESIGN SHALL BE UNDER THE CONTINUAL CONTROL OF THE COUNTY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

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY. 2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD. 3. 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.



COUNTY LOCATION MAP



EXISTING TREE PROTECTION DETAILS

- 1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. 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, CONSISTENT WITH NPDES PERMIT CAS12008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS000004 / ORDER NO. 2013-0001-DWG.

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 FILE(S) NO. \_\_\_\_\_

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

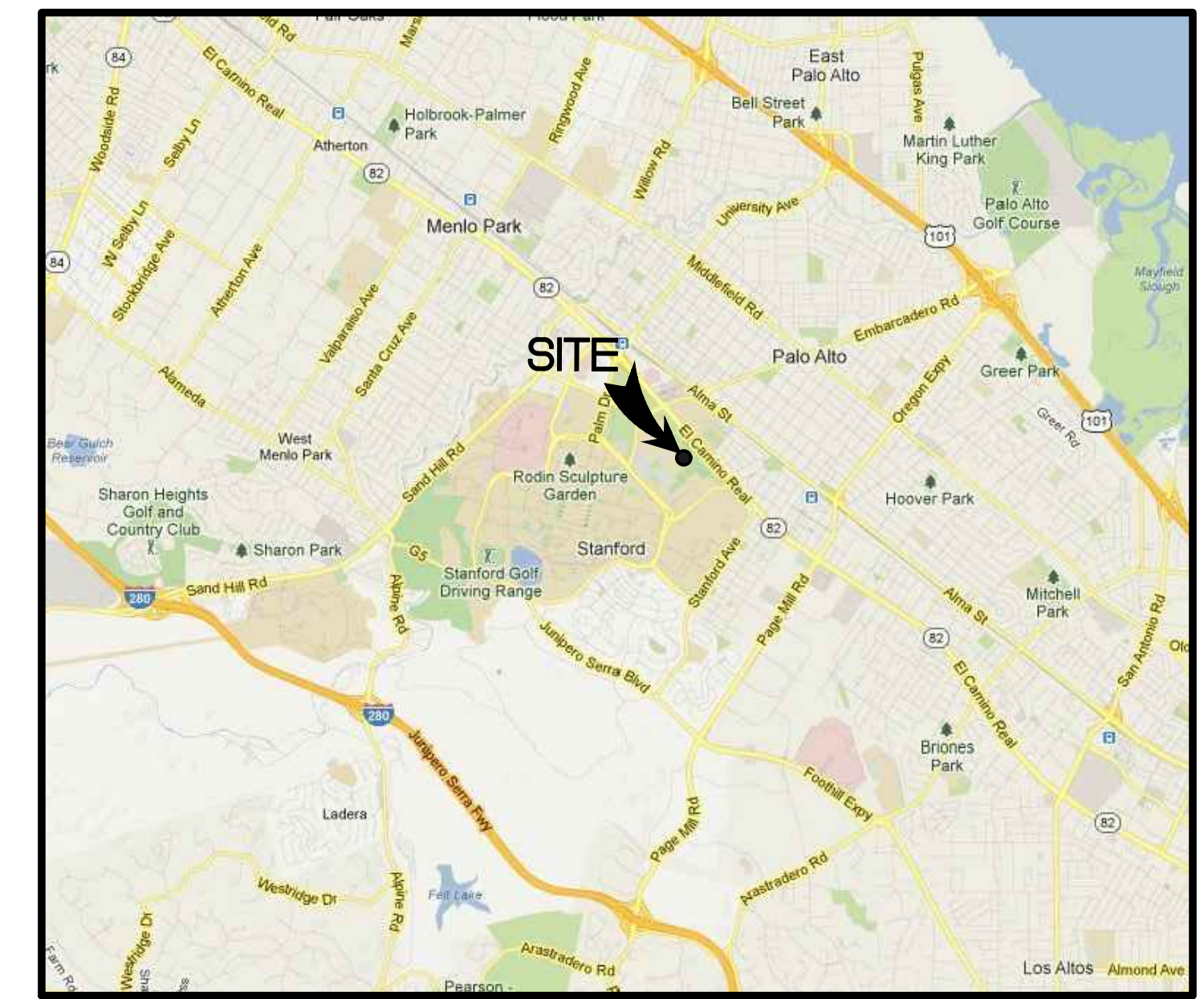
COUNTY ENGINEER'S NOTE

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

LACROSSE PRACTICE FIELD

STANFORD UNIVERSITY STANFORD CALIFORNIA



VICINITY MAP

NOT TO SCALE

SHEET INDEX

Table with 2 columns: Sheet Number and Sheet Description. Includes sheets for COUNTY COVER SHEET, CONSTRUCTION NOTES, TOPOGRAPHIC SURVEY, DEMOLITION/TREE REMOVAL PLAN, GRADING AND DRAINAGE PLAN, UTILITY PLAN, EROSION CONTROL PLAN, COUNTY BMP NOTES, FIRE ACCESS PLAN, STORMWATER MANAGEMENT PLAN, CONSTRUCTION SITE/LOGISTICS SAFETY PLAN, LANDSCAPE PLAN, LANDSCAPE NOTES, PROJECT SUMMARY, ILLUMINATION SUMMARY, EQUIPMENT LAYOUT, POLE CONFIGURATION DRAWING, EXISTING LIGHTING PLAN, and EXISTING LIGHTING SPECIFICATIONS.

ENGINEER'S NAME: NATE DICKINSON ADDRESS: 1700 S. WINCHESTER BLVD, CAMPBELL, CA 95008 PHONE NO. 408-636-0900 FAX NO. 408-636-0900

Table with columns: Revision Number, Date, APN (142-04-036), Co. File, and Sheet (C-1.0 of 27).



Project Name: Lacrosse Practice Field  
Project Address: 657 Masters Mall,  
Stanford CA. 94305  
Quad/ Bldg. Number: 09-379



SYMBOLS & ABBREVIATIONS

Table with 2 columns: Symbol and Description. Includes symbols for Area Drain, Bay Tree, Back Flow Preventor, Building Corner, Building Line, Bollard, Wall Bottom, Back of Walk, Catch Basin, Control Checkshot, Control Point, Concrete, Drain Inlet, Edge of Pavement, Electric Pullbox, Eucalyptus Tree, Found Control Point, Building Finished Floor, Finished Grade at Door, Fire Hydrant, Flow Line, Fence, Ground, Gas Meter, Hardcape Elec Light, Iron Fence, Landscape, Overhang, Pavement, Pepper Tree, Pine Tree, Redwood Tree, Storm Drain Manhole, Sign, Sanitary Cleanout, Sanitary Manhole, Street Light Lamp No Arm, Street Light Single Arm, Street Light Pullbox, Sidewalk, Transformer, Top of Curb, Top of Wall, Tree Symbol, Water Meter, Water Valve, Water Vault.

LEGEND

Table with 2 columns: Symbol and Description. Includes symbols for Building Line, Building Overhang, Apparent Traveled Way, Asphalt, Concrete, Curb Line, Fence Line, Tree Dripline, Domestic Water, Lake Water, Street Light Conduit, Limit of Work, Point, Elevation and Description, Contours (1-FT INTERVALS), Tree (Diameter Size in Inches) / Tag Number.

UNDERGROUND UTILITY NOTE

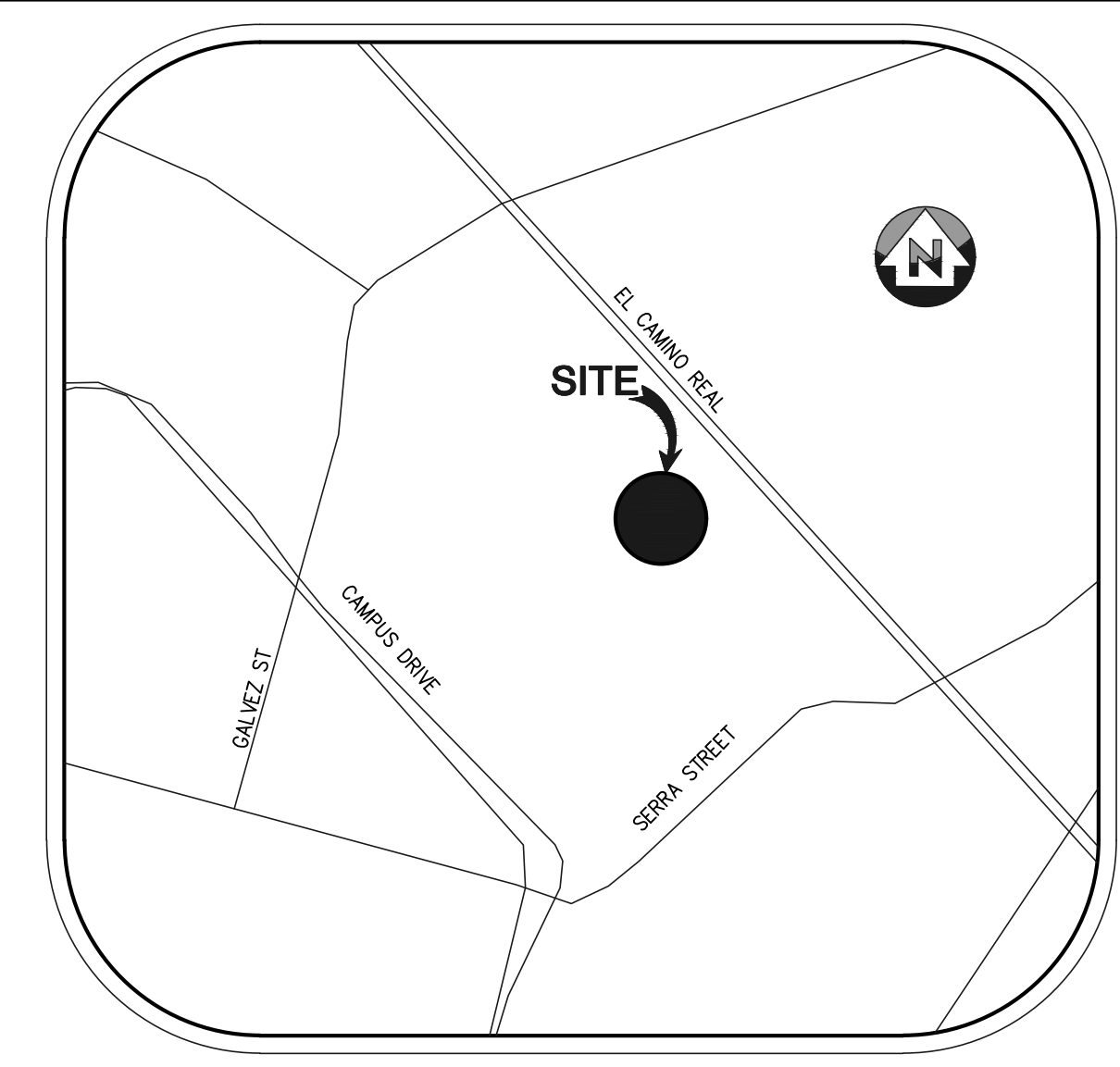
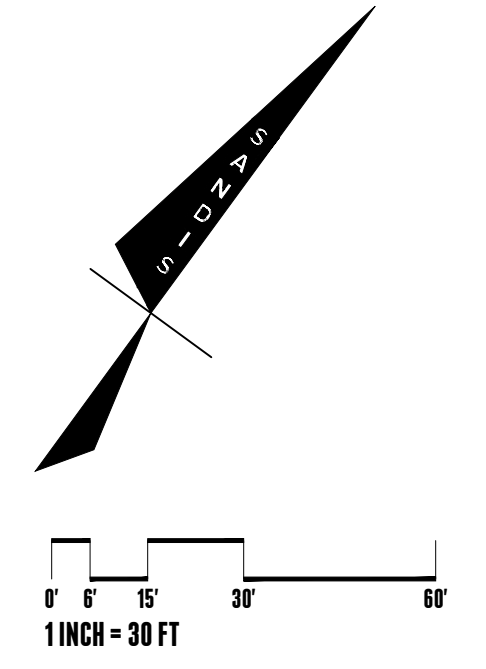
THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE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

SURVEY NOTES

- 1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
- 2. DATES OF FIELD SURVEY: 03-12-18

BENCHMARK

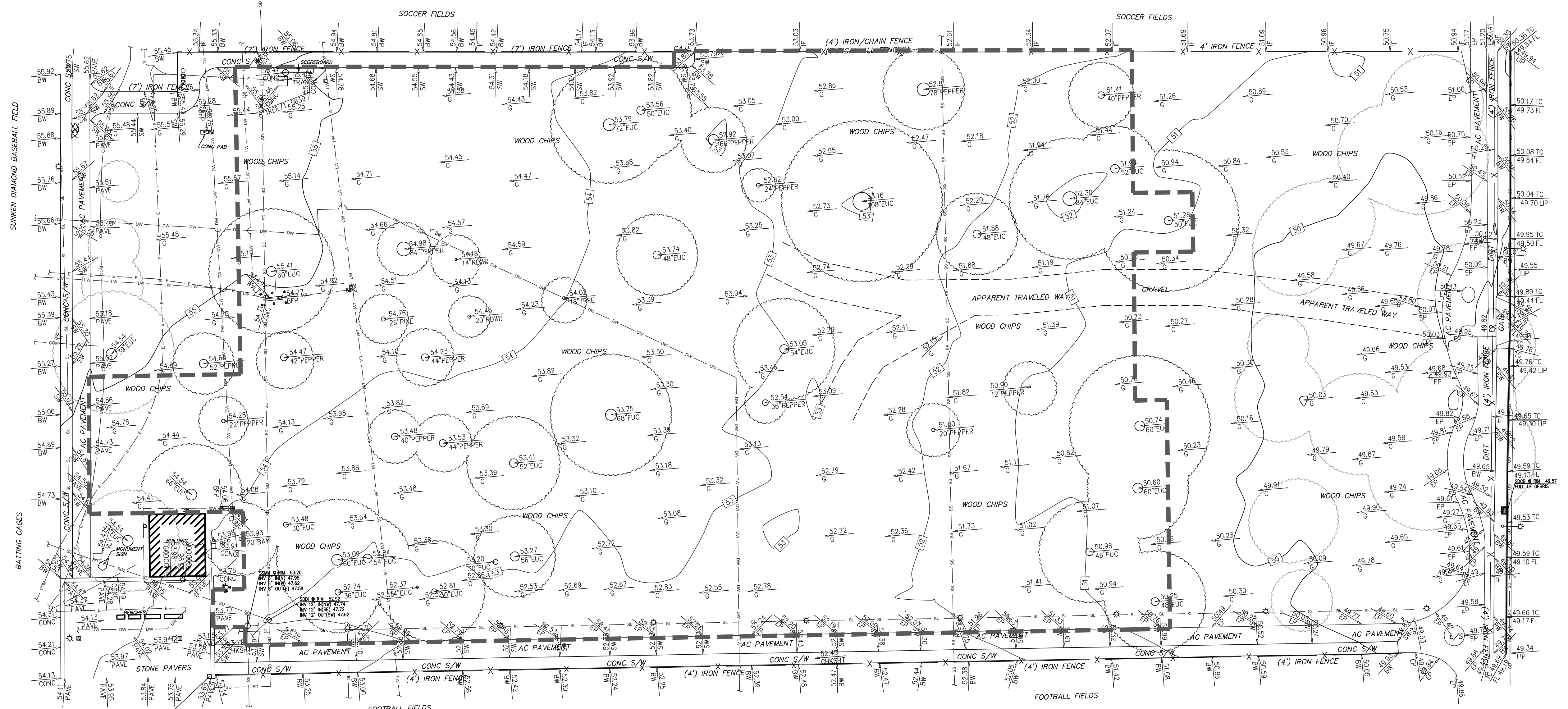
THE ELEVATION REFERENCE FOR THIS SURVEY IS STANFORD MONUMENT S-124, WHICH IS A SET 2-1/2" BRASS DISK, W/PUNCH MARK, STAMPED "S-124, LS 5797" IN MON WELL IN AC PATH AT THE BACK OF CURB NORTH OF THE INTERSECTION OF CAMPUS DR. EAST AND ENTRANCE TO THE PARKING LOT SOUTHEAST OF THE MAPLES PAVILLION.  
ELEVATION= 59.68 FEET (NGVD 29 DATUM)



VICINITY MAP  
N.T.S.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM INCLUDING PHOTOCOPY, RECORDING OR ANY INFORMATION RETRIEVABLE AND STORAGE SYSTEM, WITHOUT PERMISSION IN WRITING FROM SANDIS.

MASTERS MALL



EL CAMINO REAL

CHURCHILL MALL

Table with 3 columns: NO., DATE, DESCRIPTION. Shows revisions for ASA SUBMITTAL and ASA RESUBMITTAL.

PROJECT NUMBER

SHEET TITLE  
TOPOGRAPHIC SURVEY

SCALE  
1"=30'

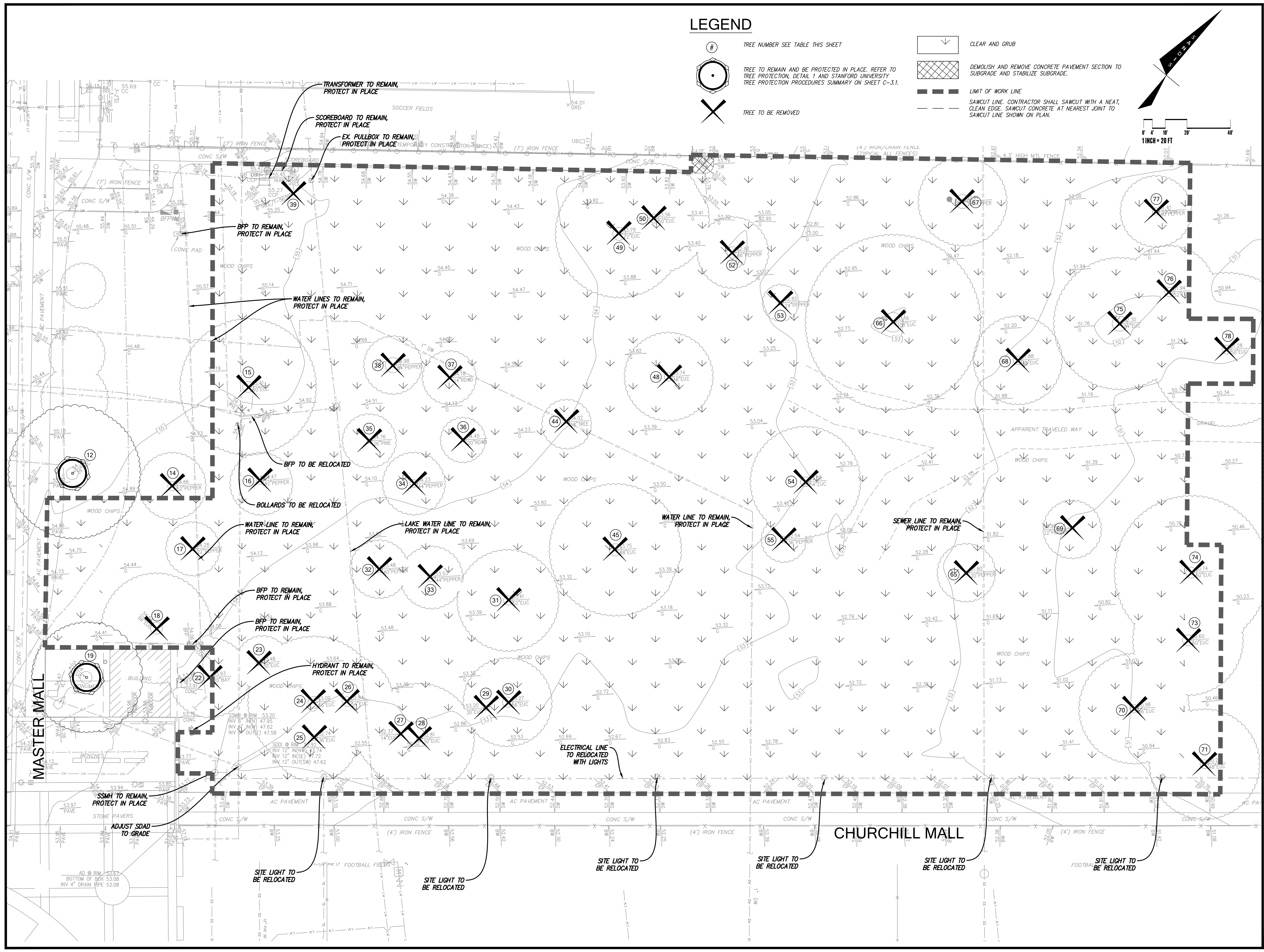
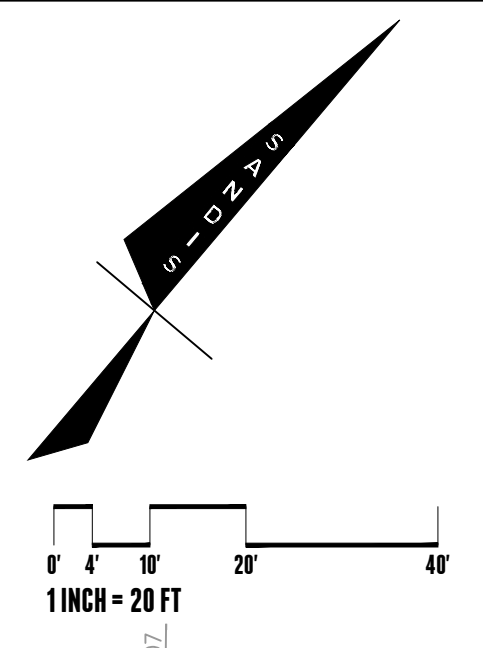
SHEET NUMBER

C-2.0



### LEGEND

- # TREE NUMBER SEE TABLE THIS SHEET
- TREE TO REMAIN AND BE PROTECTED IN PLACE. REFER TO TREE PROTECTION, DETAIL 1 AND STANFORD UNIVERSITY TREE PROTECTION PROCEDURES SUMMARY ON SHEET C-3.1.
- TREE TO BE REMOVED
- CLEAR AND GRUB
- DEMOLISH AND REMOVE CONCRETE PAVEMENT SECTION TO SUBGRADE AND STABILIZE SUBGRADE.
- 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.



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
03.18.24		ASA SUBMITTAL
08.13.24		ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE

**DEMOLITION/ TREE  
REMOVAL PLAN**

SCALE

1"=20'

SHEET NUMBER

**C-3.0**



## DEMOLITION NOTES

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

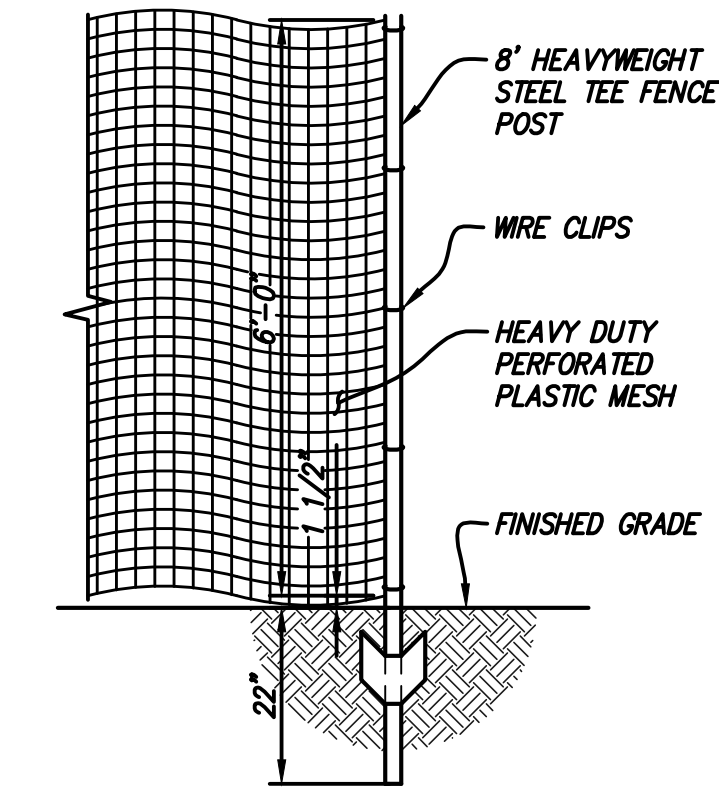
## TREE DISPOSITION TABLE

FOR BREVITY, TREE TAGS ARE REFERRED TO IN THE WLCA ARBORIST REPORT BY THE LAST TWO DIGITS ONLY.

TREE NO.	SPECIES	DBH (IN.)	REMOVE/REMAIN	PROTECTED STATUS
12	EUCALYPTUS GLOBULUS	39.1	REMAIN	NOT PROTECTED, SEE NOTE CONDITION B
14	SCHINUS MOLLE	45.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
15	EUCALYPTUS GLOBULUS	49.5	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
16	SCHINUS MOLLE	34.6	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
17	SCHINUS MOLLE	20.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
18	EUCALYPTUS GLOBULUS	60.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
19	EUCALYPTUS GLOBULUS	41.4	REMAIN	NOT PROTECTED, SEE NOTE CONDITION B
22	EUCALYPTUS POLYANTHEMOS	20.2	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
23	EUCALYPTUS SPECIES	26.8	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
24	EUCALYPTUS GLOBULUS	26.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
25	EUCALYPTUS GLOBULUS	33.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
26	EUCALYPTUS GLOBULUS	32.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
27	EUCALYPTUS CAMALDULENSIS	15.3	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
28	EUCALYPTUS CAMALDULENSIS	29.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
29	EUCALYPTUS GLOBULUS	29.1	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
30	EUCALYPTUS GLOBULUS	58.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
31	EUCALYPTUS GLOBULUS	42.8	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
32	SCHINUS MOLLE	18.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
33	SCHINUS MOLLE	15.2	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
34	SCHINUS MOLLE	18.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
35	PINUS RADIATA	24.6	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
36	SEQUOIA SEMPERVIRENS	18.6	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
37	SEQUOIA SEMPERVIRENS	13.6	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
38	SCHINUS MOLLE	70.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
39	PISTACIA CHINENSIS	9.5	REMOVE	NOT PROTECTED, SEE NOTE CONDITION A
44	OLEA EUROPAEA	9.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION A
45	EUCALYPTUS GLOBULUS	25.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
48	EUCALYPTUS GLOBULUS	48.3	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
49	EUCALYPTUS GLOBULUS	63.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
50	EUCALYPTUS GLOBULUS	43.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
52	SCHINUS MOLLE	23.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
53	SCHINUS MOLLE	21.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
54	EUCALYPTUS GLOBULUS	45.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
55	SCHINUS MOLLE	11.2	REMOVE	NOT PROTECTED, SEE NOTE CONDITION A
65	SCHINUS MOLLE	9.5	REMOVE	NOT PROTECTED, SEE NOTE CONDITION A
66	EUCALYPTUS GLOBULUS	91.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
67	SCHINUS MOLLE	35.6	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
68	EUCALYPTUS GLOBULUS	48.8	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
69	SCHINUS MOLLE	11.0	REMOVE	NOT PROTECTED, SEE NOTE CONDITION A
70	EUCALYPTUS GLOBULUS	47.3	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
71	EUCALYPTUS GLOBULUS	41.5	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
73	EUCALYPTUS GLOBULUS	53.4	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
74	EUCALYPTUS GLOBULUS	53.7	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
75	EUCALYPTUS GLOBULUS	72.8	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B
76	EUCALYPTUS GLOBULUS	52.2	REMOVE	NOT PROTECTED, SEE NOTE CONDITION B

NOTES:

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



NOTES:

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

## TREE PROTECTION DETAIL 1

N.T.S.

### STANFORD UNIVERSITY TREE PROTECTION PROCEDURES SUMMARY

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

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

Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.18.24	ASA SUBMITTAL
	08.13.24	ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE

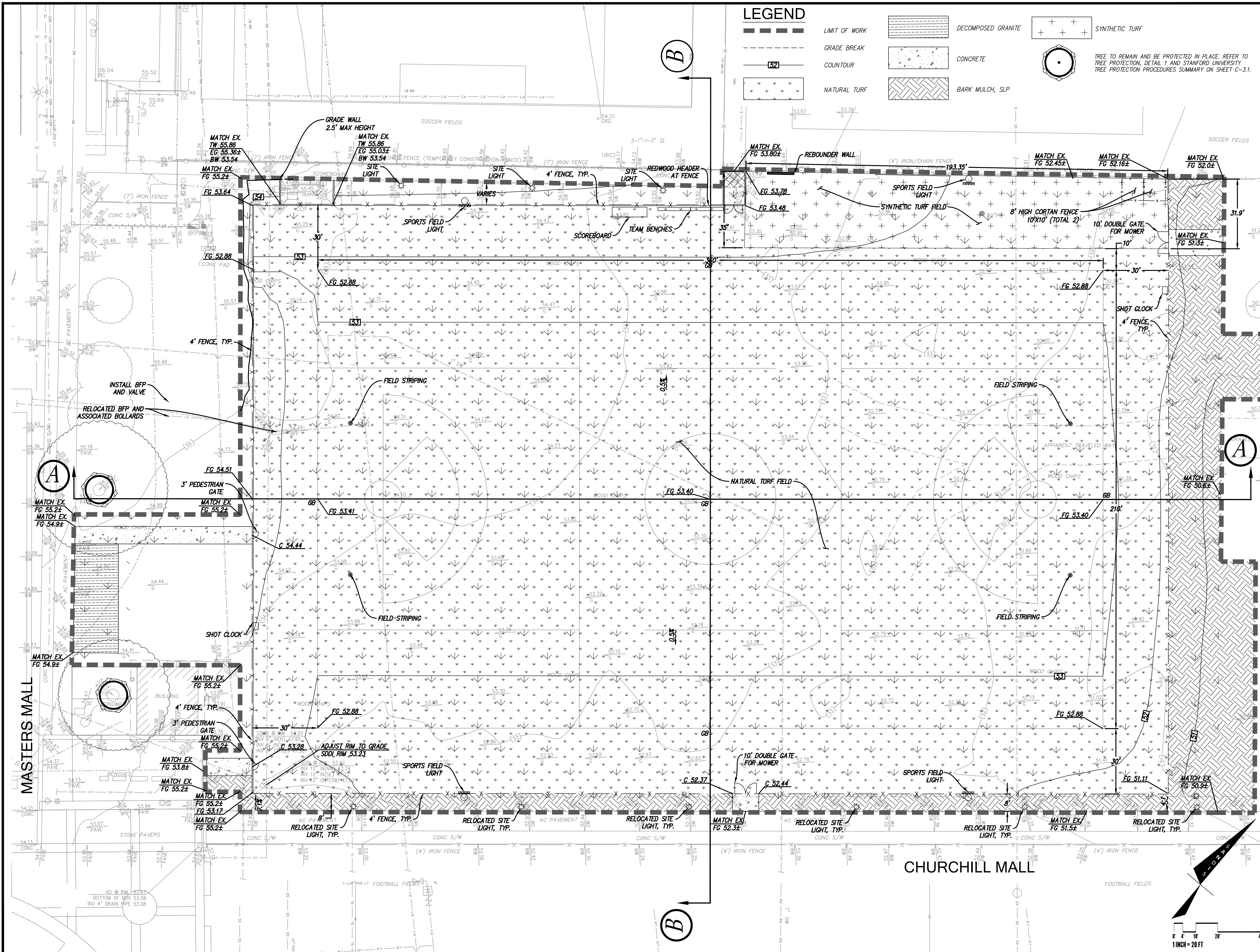
## DEMOLITION/ TREE REMOVAL NOTES

SCALE

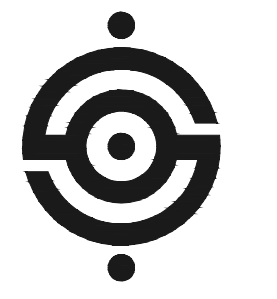
N.T.S.

SHEET NUMBER





Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



SANDIS

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.18.24	ASA SUBMITTAL
	08.13.24	ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE

**GRADING AND  
 DRAINAGE PLAN**

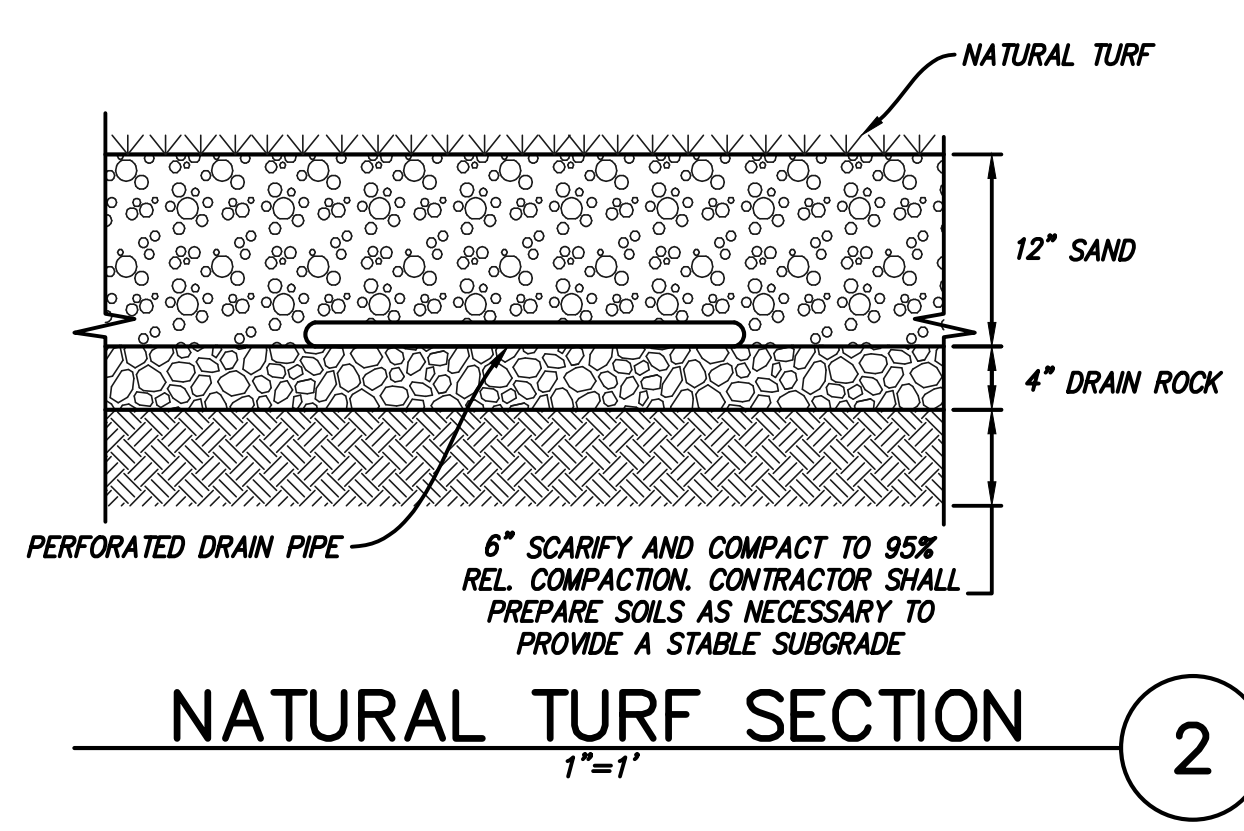
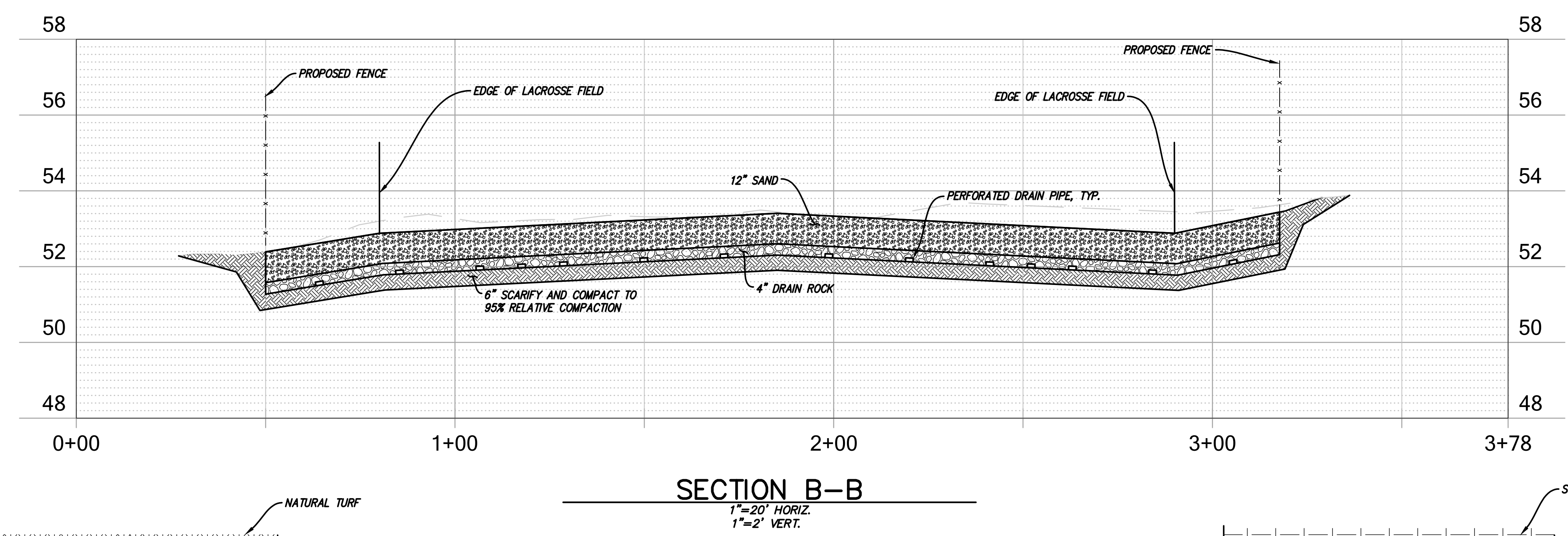
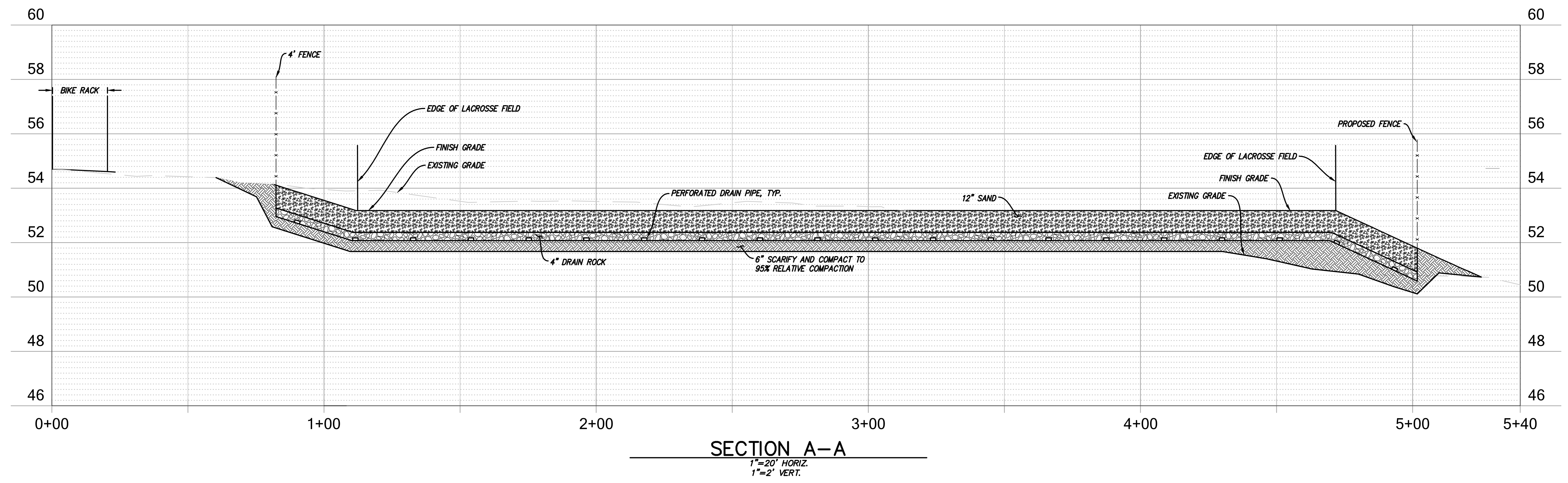
SCALE

1"=20'

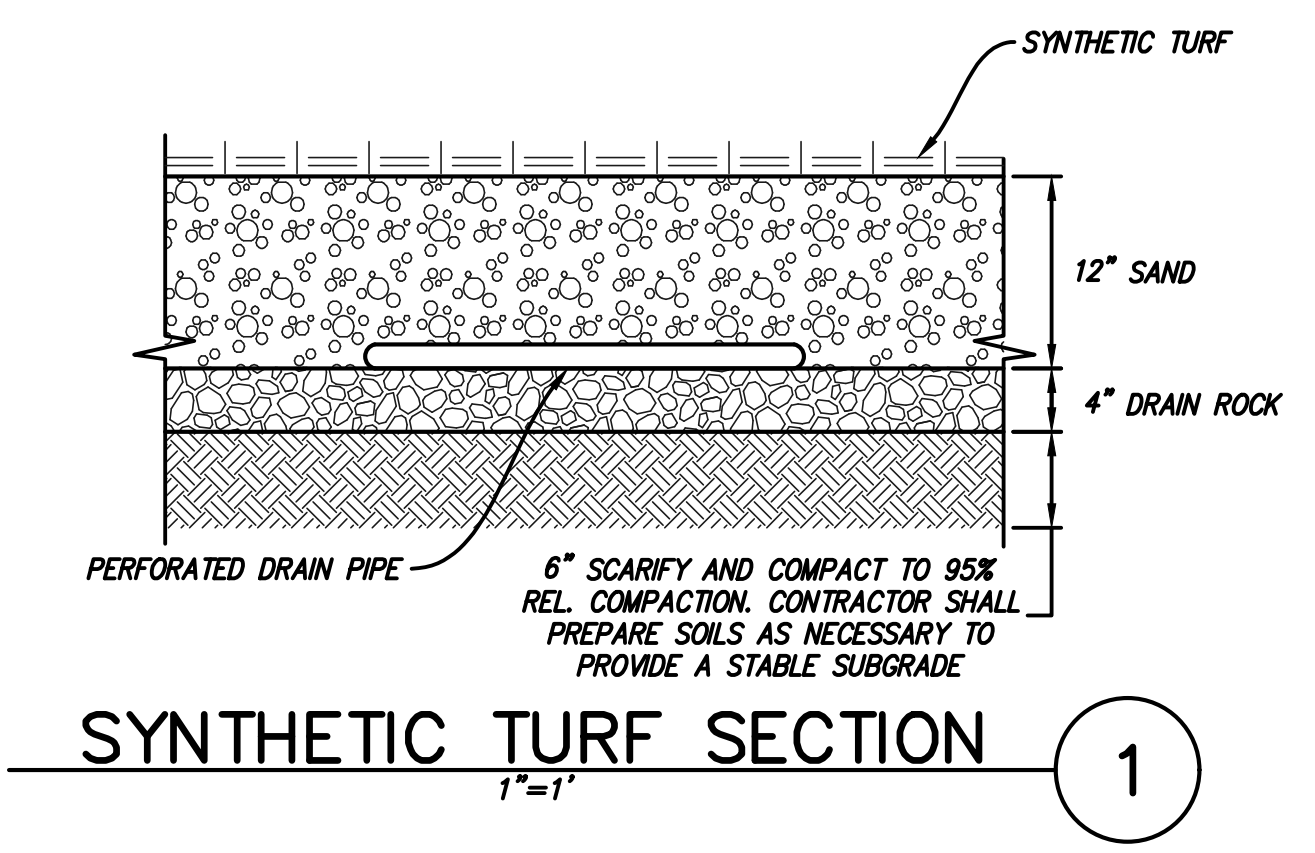
SHEET NUMBER

C-4.0

Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



2



1

ISSUES AND REVISIONS

NO.	DATE	DESCRIPTION
03.18.24		ASA SUBMITTAL
08.13.24		ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE  
**GRADING SECTIONS**

SCALE  
 1"=20'

SHEET NUMBER



### WATER SYSTEM NOTES

1. MAINTAIN WATER MAIN LINES 10' AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
2. 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.
3. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
4. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
5. THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

### STORM DRAIN NOTES

1. 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.
2. 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.
3. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
4. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
5. 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.
6. 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.
7. INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
8. 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.

### LEGEND

FLAT DRAIN PANEL PIPING

STANFORD UNIVERSITY

Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
03.18.24		ASA SUBMITTAL
08.13.24		ASA RESUBMITTAL

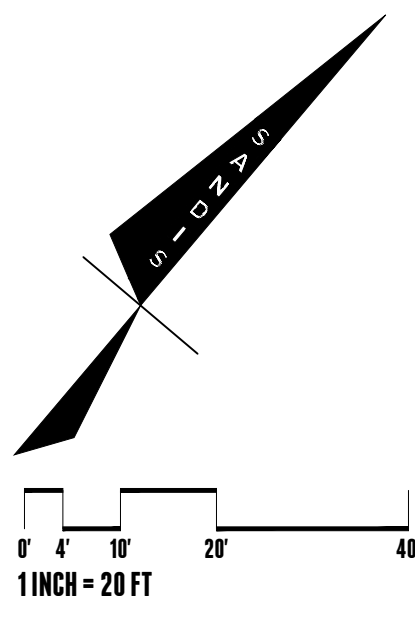
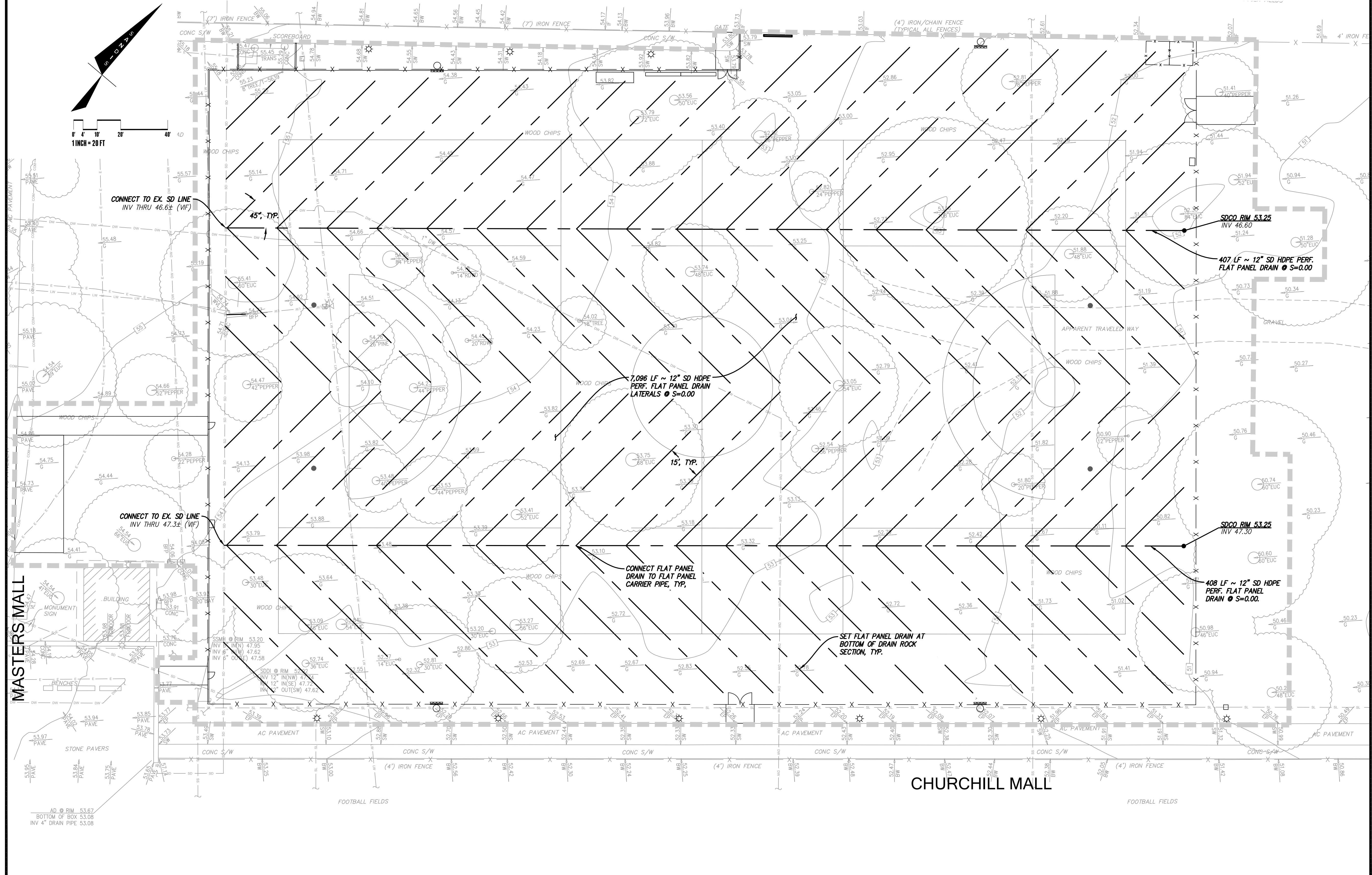
PROJECT NUMBER

SHEET TITLE  
**UTILITY PLAN**

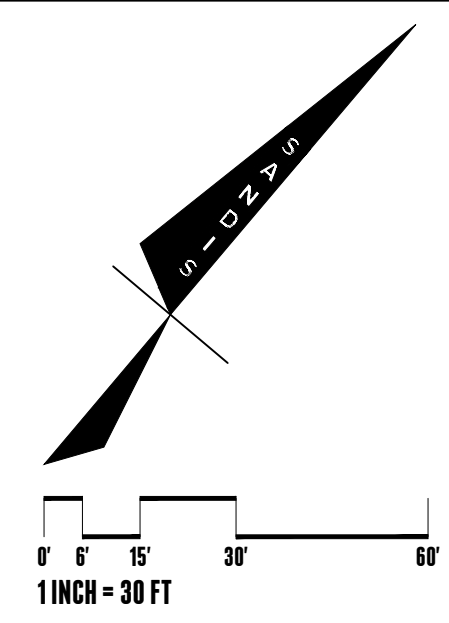
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SHEET NUMBER

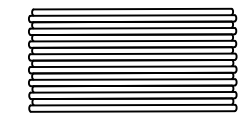
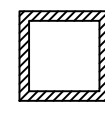

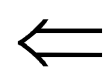
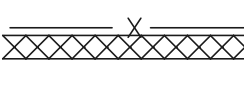

**C-5.0**



Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379

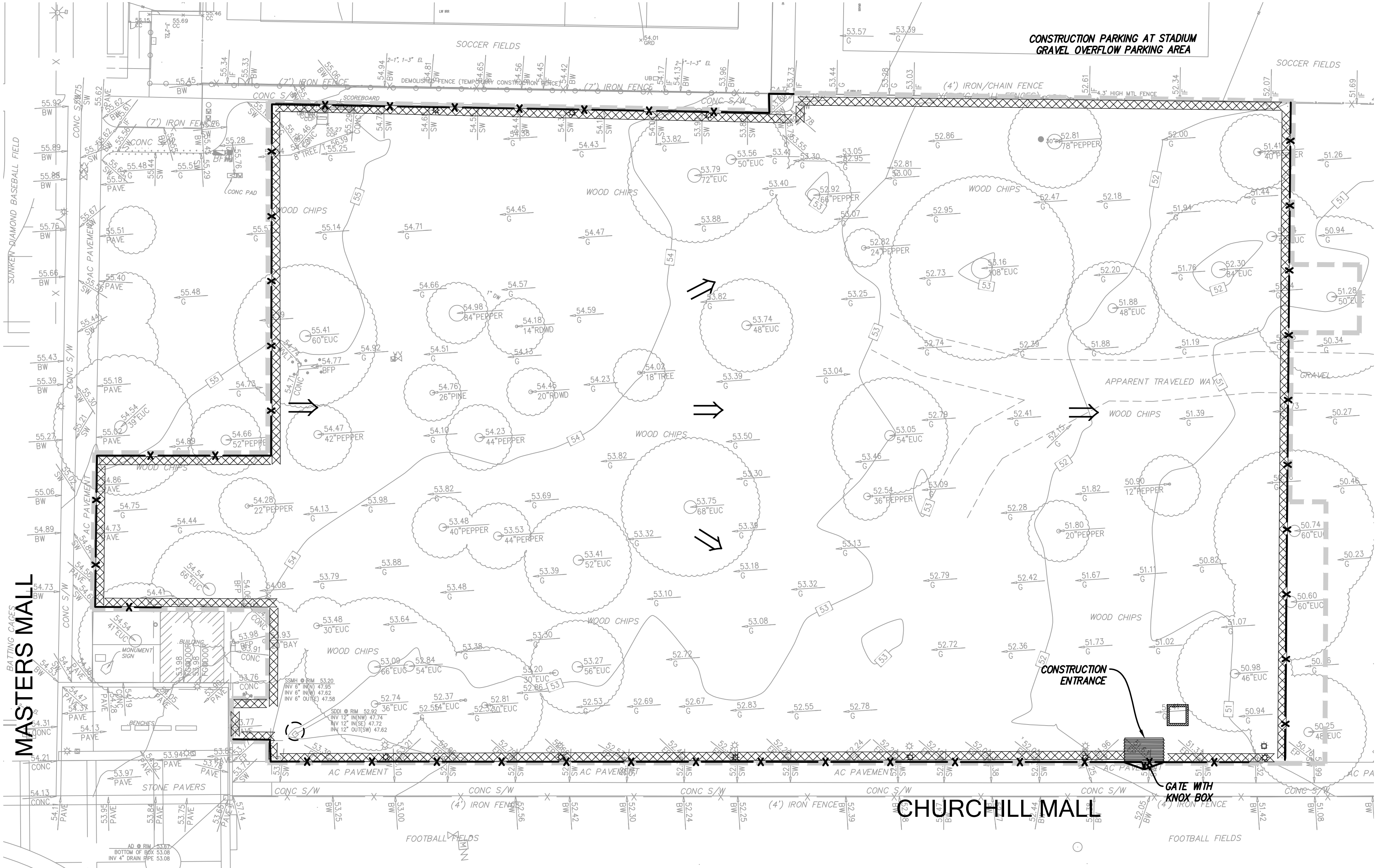


**LEGEND**

-  CONSTRUCTION ENTRANCE  $\frac{3}{C-6.1}$
-  CONCRETE WASTE MANAGEMENT  $\frac{2}{C-6.2}$
-  CONSTRUCTION TRAILER  
CONSTRUCTION TRAILER (DURATION 6 MONTHS)  
CONSTRUCTION TRAILER WILL BE SHARED WITH ADJACENT SOFTBALL PROJECT (PLN23-033)
-  OVERLAND RELEASE POINT
-  CONSTRUCTION FENCE WITH FIBER ROLLS  $\frac{1}{C-7.1}$
-  APPROXIMATE AREA OF CONSTRUCTION DISTURBANCE

**EROSION 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 WATTLERS, 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 OSP.
- 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.



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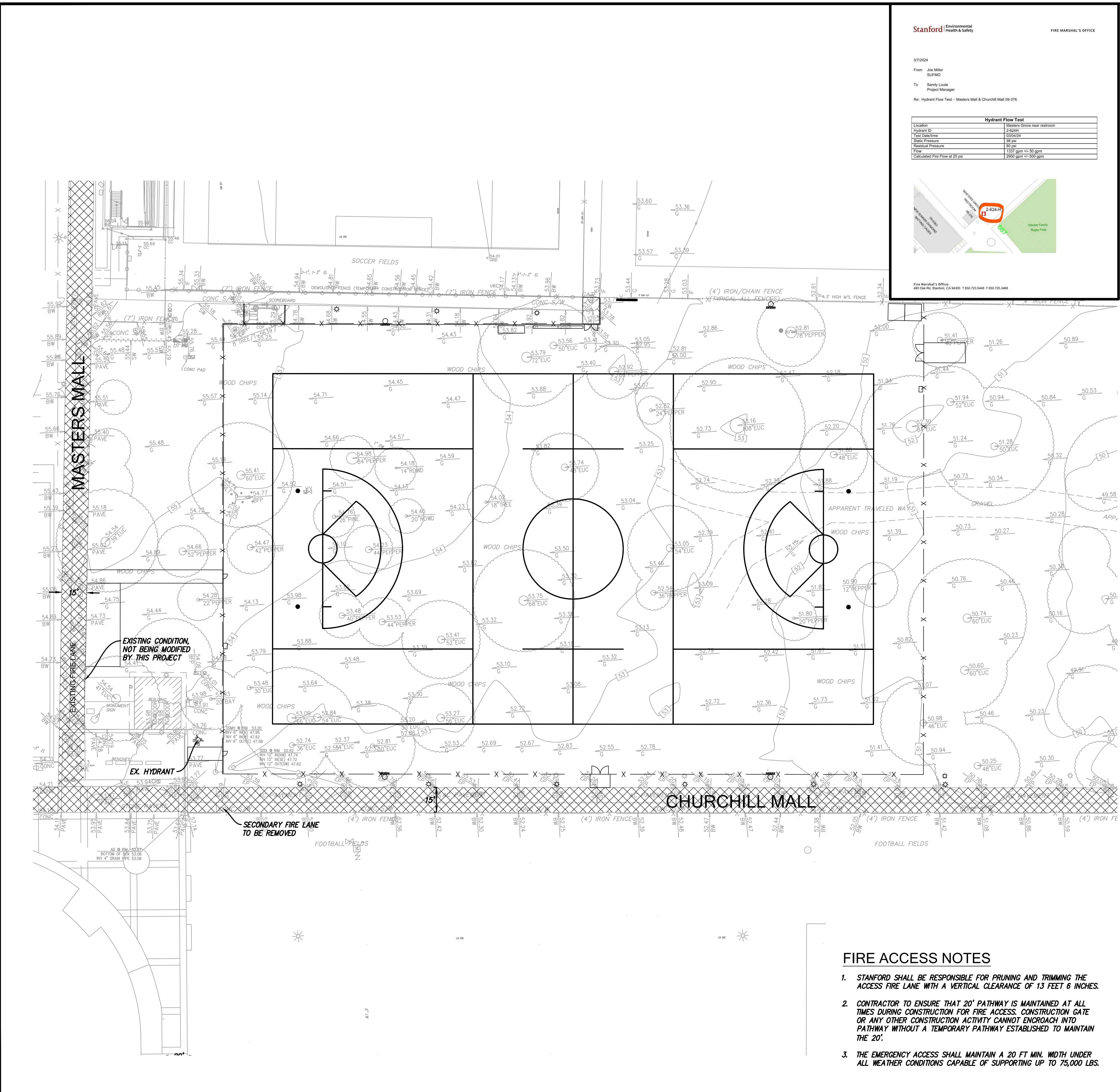
**EROSION CONTROL PLAN**

SCALE

1"=30'

SHEET NUMBER



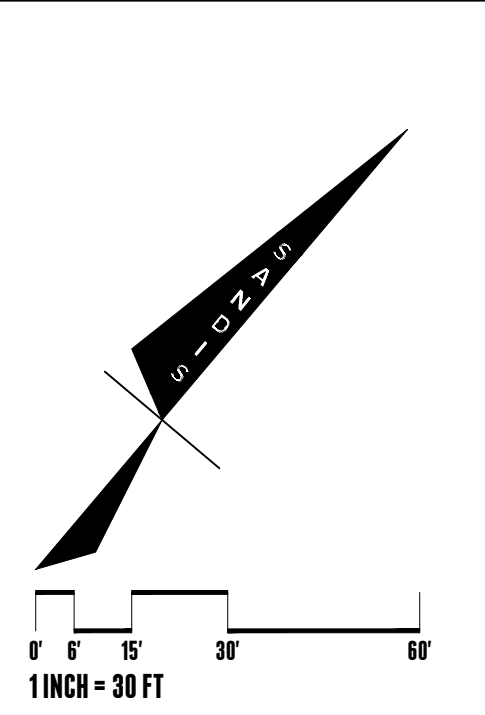


**Stanford Environmental Health & Safety** FIRE MARSHAL'S OFFICE

3/7/2024  
 From: Joe Miller, SUPMO  
 To: Sandy Louch, Project Manager  
 Re: Hydrant Flow Test - Masters Mall & Churchill Mall 09-376

Hydrant Flow Test	
Location	Masters Grove near restroom
Hydrant ID	24684R
Test Operator	03/04/24
Static Pressure	88 psi
Residual Pressure	82 psi
Flow	1337 gpm @ 50 psi
Calculated Fire Flow at 20 psi	2560 gpm @ 20 psi

Fire Marshal's Office  
 480 Oak Hill Drive, Stanford, CA 94305 | 1-800-723-0448 | 650-725-3488



### LEGEND

- EXISTING FIRE HYDRANT TO REMAIN
- SECONDARY FIRE ACCESS LANE

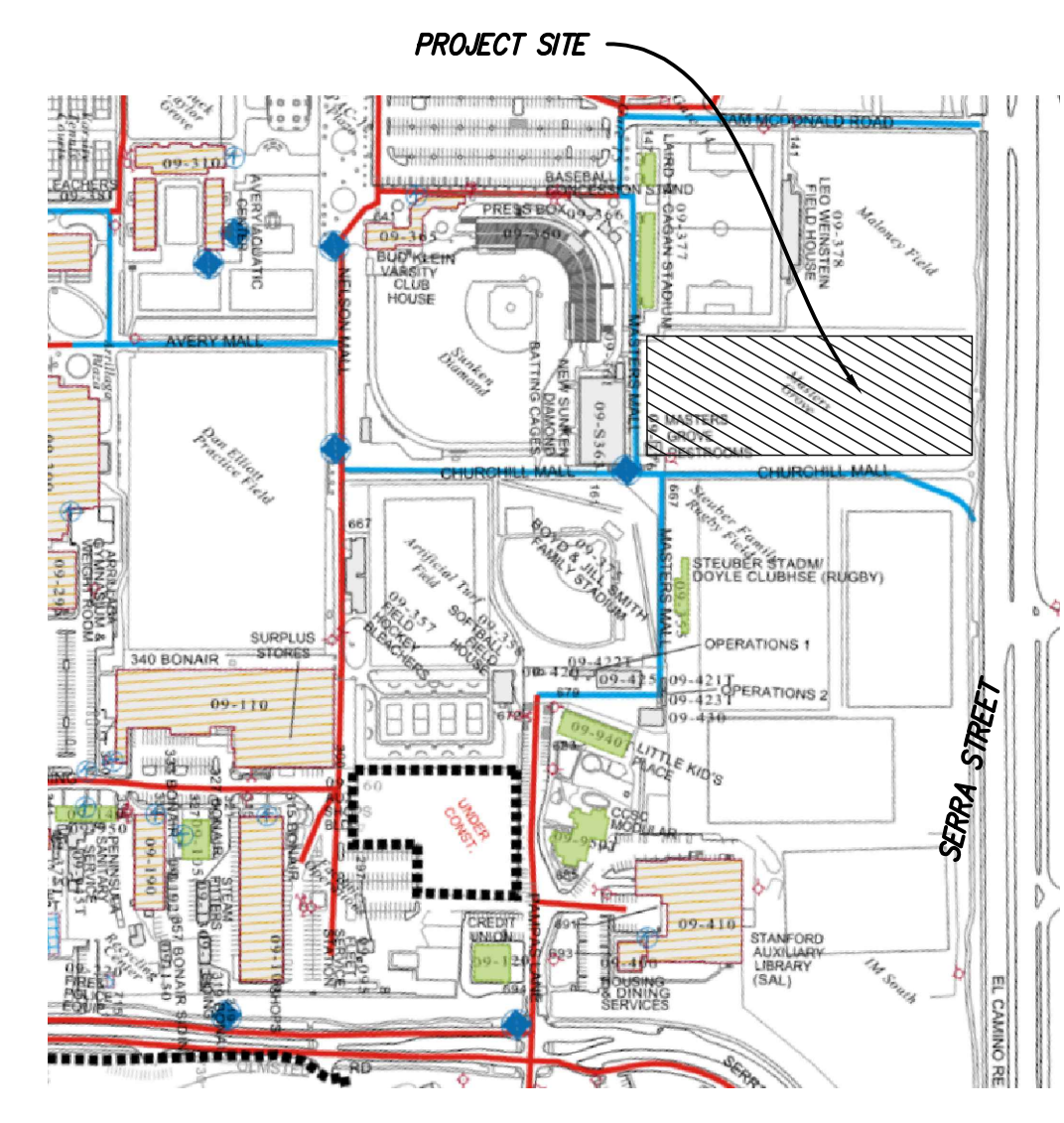
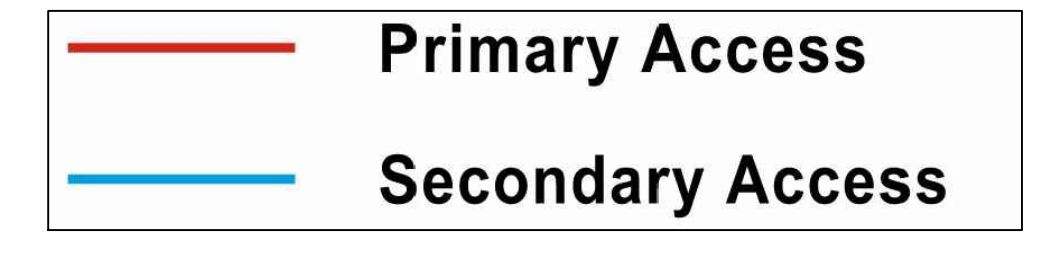
### FIRE HYDRANT NOTES

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

### FIRE PROTECTION NOTES

- FIRE APPARATUS ROADWAYS, INCLUDING PUBLIC OR PRIVATE STREETS OR ROADS USED FOR VEHICLE ACCESS SHALL BE INSTALLED AND IN SERVICE PRIOR TO CONSTRUCTION.
- 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.
- FIRE PROTECTION WATER SERVING ALL HYDRANTS SHALL BE PROVIDED AS SOON AS COMBUSTIBLE MATERIAL ARRIVES ON SITE.
- 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.
- FIRE HYDRANTS AND FIRE APPLIANCES (FIRE DEPARTMENT CONNECTIONS AND POST INDICATOR VALVES) SHALL BE CLEARLY ACCESSIBLE AND FREE FROM OBSTRUCTION.
- 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.

### FIRE ACCESS MAP



### FIRE ACCESS NOTES

- STANFORD SHALL BE RESPONSIBLE FOR PRUNING AND TRIMMING THE ACCESS FIRE LANE WITH A VERTICAL CLEARANCE OF 13 FEET 6 INCHES.
- 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'.
- THE EMERGENCY ACCESS SHALL MAINTAIN A 20 FT MIN. WIDTH UNDER ALL WEATHER CONDITIONS CAPABLE OF SUPPORTING UP TO 75,000 LBS.

Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



### ISSUES AND REVISIONS

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### PROJECT NUMBER

### SHEET TITLE

## FIRE ACCESS PLAN

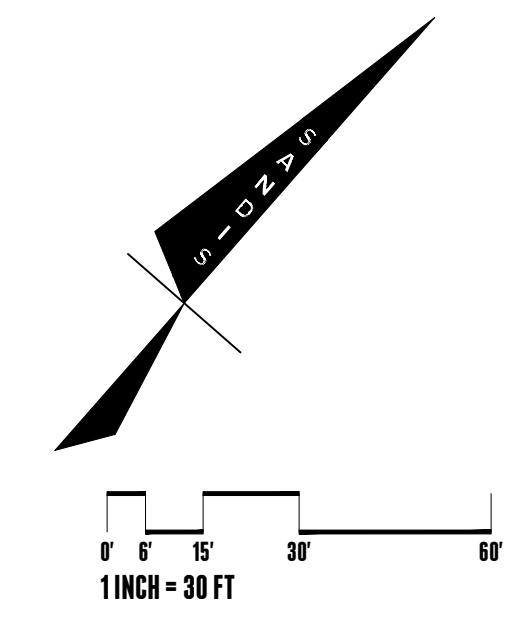
### SCALE

1"=30'

### SHEET NUMBER

# C-7.0





### STORMWATER MANAGEMENT PLAN LEGEND

- PROPOSED PERVIOUS AREA (136,886 SF)
- PROPOSED IMPERVIOUS AREA (3,409 SF)
- DMA BOUNDARY

### STORMWATER MANAGEMENT NOTES:

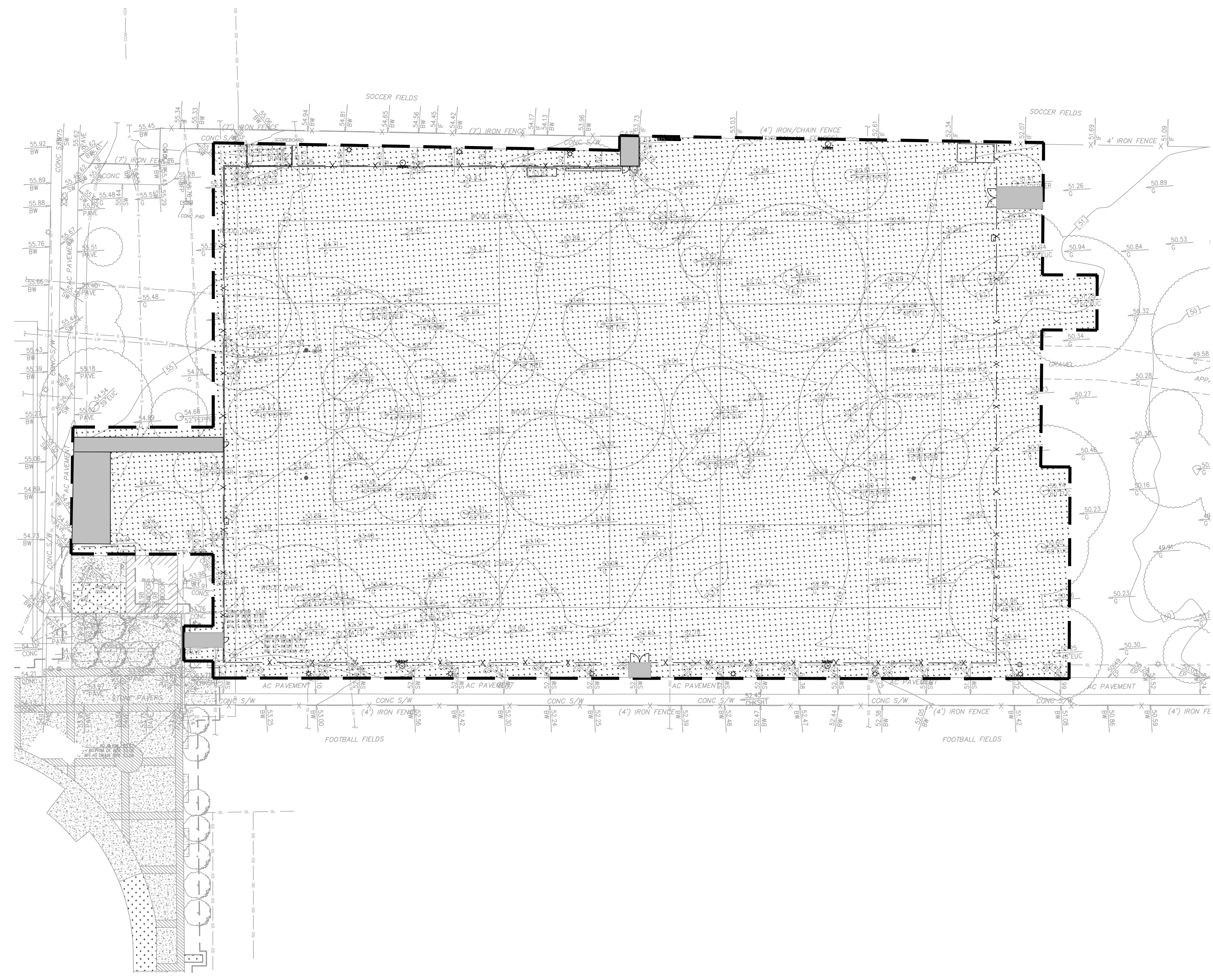
THIS PROJECT CREATES/REPLACES LESS THAN 5,000 SF OF IMPERVIOUS SURFACE AND IS EXEMPTED FROM THE LID REQUIREMENTS OF PROVISION C.3.

### DRAINAGE AREA:

PROPOSED IMPERVIOUS	3,409 SF
PROPOSED PERVIOUS	135,866 SF
EXISTING NON-VEHICULAR	139,275 SF

### EXISTING AND PROPOSED AREA QUANTITIES

	EXISTING	PROPOSED
IMPERVIOUS	0 SF	3,409 SF
PERVIOUS	139,275 SF	135,866 SF
TOTAL	139,275 SF	139,275 SF



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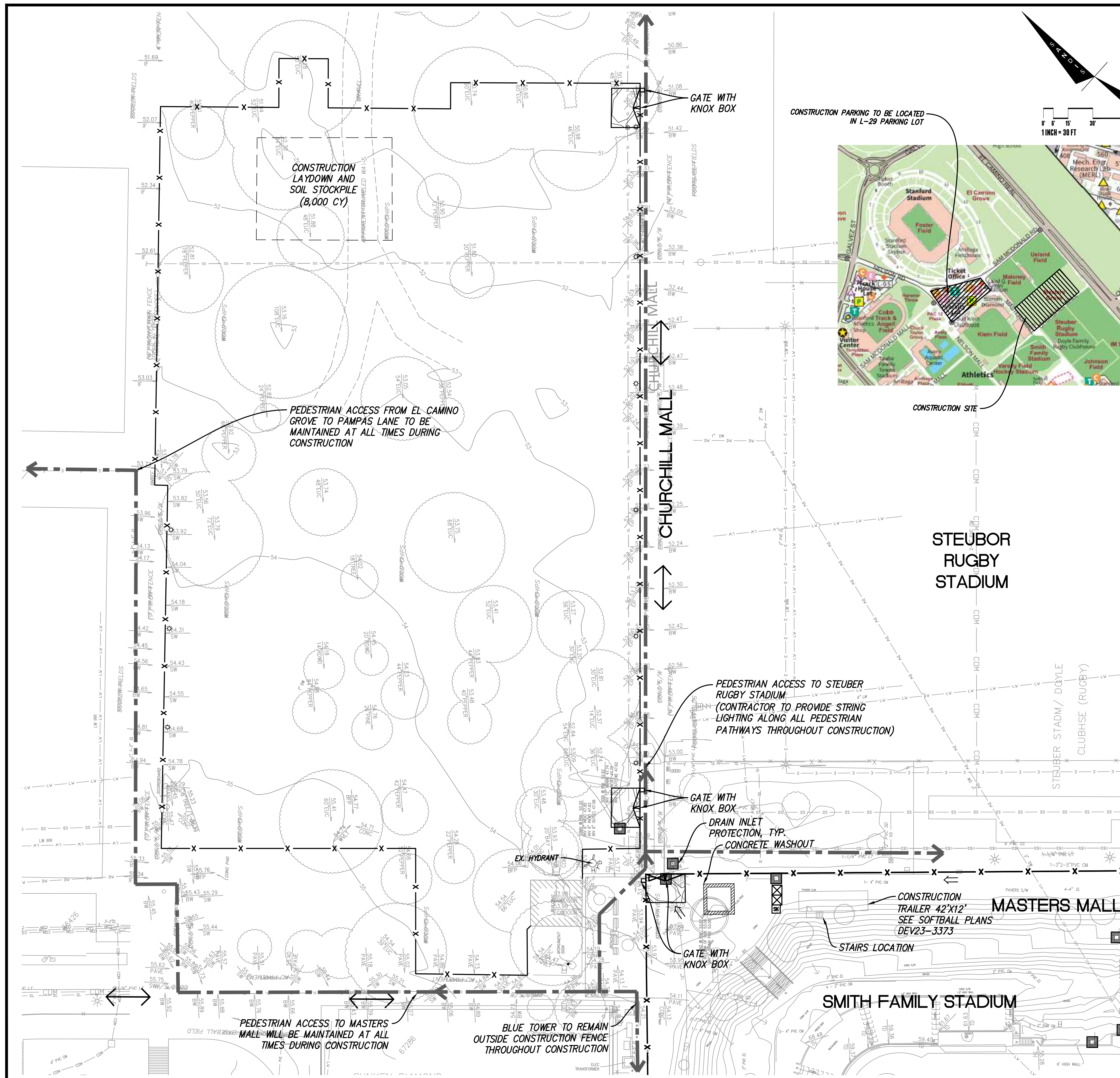
## STORMWATER MANAGEMENT PLAN

SCALE

1"=30'

SHEET NUMBER



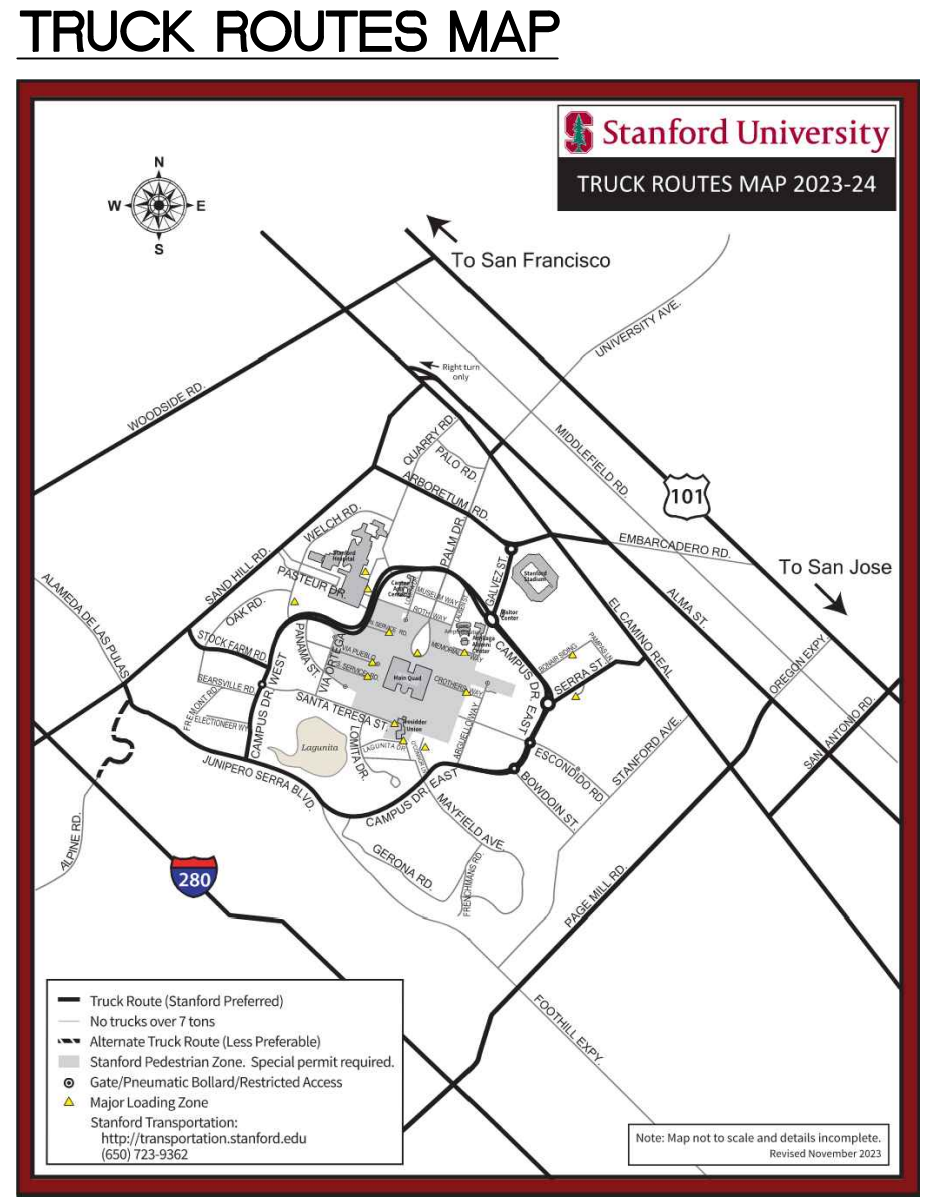
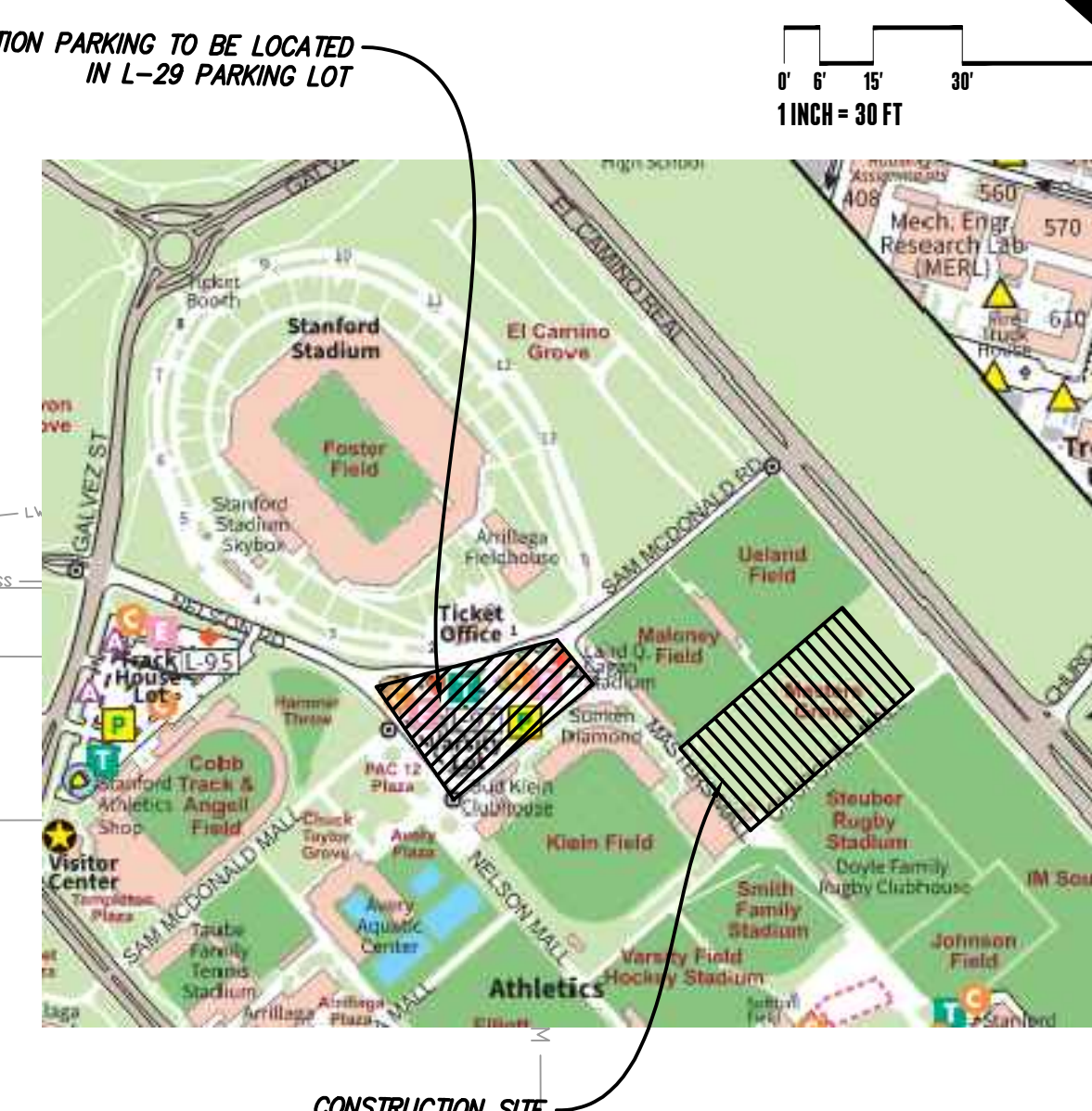


**LEGEND:**

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

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

- CONSTRUCTION NOTES:**
- CONSTRUCTION DELIVERY TIMES / ROUTES**
    - 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.
    - 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.
  - NOISE CONTROL**  
CONSTRUCTION PRACTICES SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA NOISE CONTROL ORDINANCE AND ARE TO BE MONITORED BY THE GENERAL CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE SUP. REQUIRES THE FOLLOWING MEASURES TO REDUCE OPERATIONAL NOISE DURING CONSTRUCTION.
    - MECHANICAL EQUIPMENT WITHIN 50 FEET OF A RESIDENCE SHALL BE ACOUSTICALLY ENGINEERED.
    - 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.
    - ALL OPERATIONAL NOISE SOURCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE.
    - THE CONTRACTOR SHALL COORDINATE PLANNED CLASSROOM RELOCATIONS PRIOR TO DEMOLITION OR SITE PREPARATION.
    - 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.
  - CONTRACTOR TO PROVIDE A MINIMUM OF ONE 2-A-20-B-C PORTABLE FIRE EXTINGUISHER WITHIN 30 FEET OF THE LOCATION WHERE HOT WORK IS PERFORMED, IN ACCORDANCE WITH CFC 2604.2.6. ADDITIONALLY, STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NO LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER SIZED FOR NOT LESS THAN ORDINARY HAZARD AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED, IN EVERY STORAGE/CONSTRUCTION SHED, AND WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS IN ACCORDANCE WITH CFC 1415.1.
  - CONTRACTOR SHALL RESTORE ALL AREAS ADJACENT TO THE SITE THAT HAVE BEEN IMPACTED BY CONSTRUCTION OF THIS PROJECT. AREAS IMPACTED BY CONSTRUCTION MAY INCLUDE AREAS AT THE EDGE OF SITES AND BEYOND THE LIMIT OF WORK SHOWN ON THE PROJECT PLANS.
  - WALK TRUCKS TO AND FROM NELSON MALL TO CONSTRUCTION ENTRANCE DURING CONSTRUCTION.



**STANFORD UNIVERSITY**

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SHEET TITLE

**CONSTRUCTION SITE LOGISTICS/SAFETY PLAN**

SCALE

AS NOTED

SHEET NUMBER



Project Name: Lacrosse Practice Field  
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 Stanford CA, 94305  
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**Stephen Wheeler**  
 Landscape Architects  
 744 Alabama Street, #331  
 San Francisco, CA  
 415-252-7075

PO Box 460116  
 San Francisco, CA  
 94146



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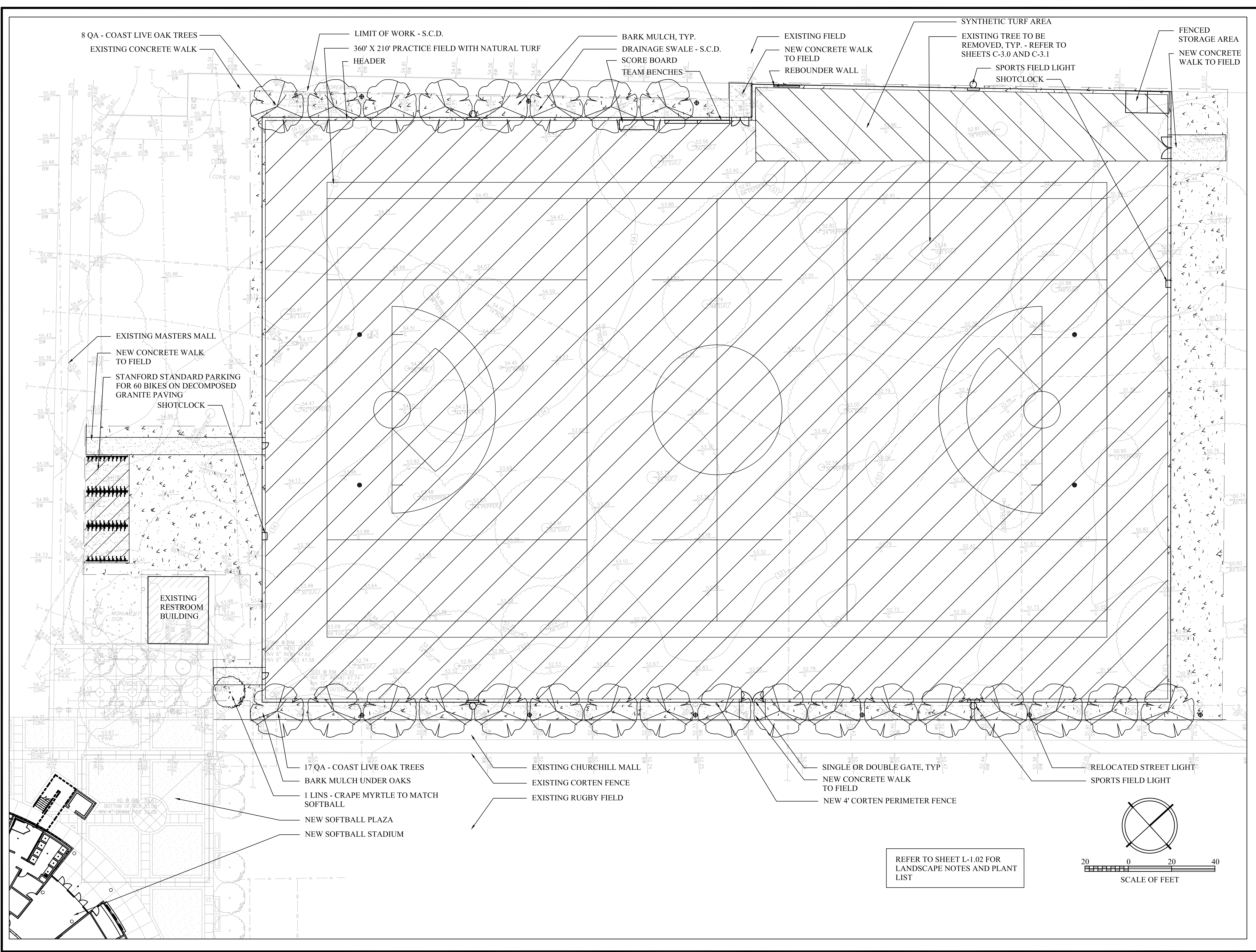
**LANDSCAPE PLAN**

SCALE

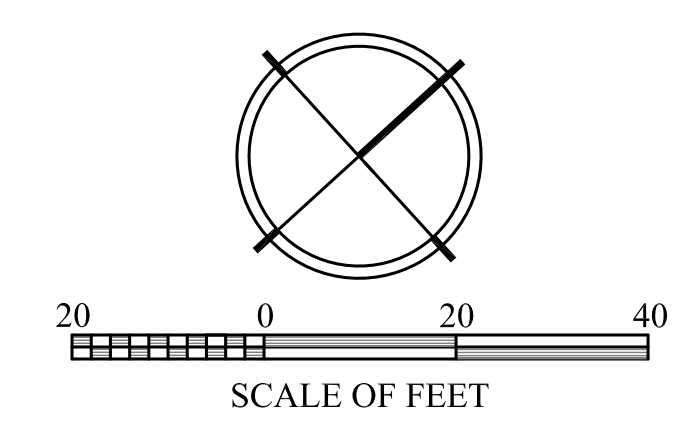
1" = 20'-0"

SHEET NUMBER

**L-1.01**



REFER TO SHEET L-1.02 FOR  
 LANDSCAPE NOTES AND PLANT  
 LIST



LANDSCAPE DESIGN CONCEPT

THE LANDSCAPE DESIGN FOR THE PROJECT EXTENDS THE EXISTING STREETScape FABRIC OF CHURCHILL MALL ALONG THE FRONT OF THE NEW LACROSSE FIELD. THE MALL WILL BE PLANTED WITH COAST LIVE OAK TREES SET IN A BARK MULCH PLANTER. THE FIELD WILL BE FENCED WITH A 4' HIGH CORTEN FENCE TO MATCH THE FENCING USED THROUGHOUT THE DAPER AREA.

TREE PRESERVATION NOTES

1. REFER TO THE TREE DISPOSITION TABLE ON SHEETS C-3.0 AND C-3.1 AND TO THE ARBORIST REPORT PREPARED BY WALTER LEVISON, CONSULTING ARBORIST, FOR TREES TO BE SAVED AND REMOVED.
2. REFER TO TREE PROTECTION AND REMOVAL NOTES ON SHEETS C-3.0 AND 3.1.

PLANTING NOTES

1. 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 GROUND COVER AREAS SHALL BE MULCHED WITH 3" DEPTH OF BARK OR GRAVEL MULCH.
2. REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION, PAVING, GRADING AND DRAINAGE AND STORMWATER MANAGEMENT.

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. GROUND COVER AREAS WILL BE WATERED WITH SUBSURFACE DRIPLINE.
5. NATIVE GRASS AREAS WILL BE WATERED WITH OVERHEAD SPRAY HEADS.
6. LAWN AREAS WILL BE WATERED WITH OVERHEAD SPRAY HEADS.
7. 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

AREA	WCOLS WATER USEAGE	
+/- 520 SF	LOW - 0.5%	NEW TREES
+/- 117,145 SF	HIGH - 83.0%	SPECIAL USE LAWN AREA
+/- 6,140 SF	NONE - 4.5%	SYNTHETIC TURF AREA
+/- 17,110 SF	NONE - 12%	BARK MULCH AREA
+/- 141,715 SF	TOTAL AREA	



PLANT LIST

KEY	QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	WATER USAGE
<u>TREES</u>							
	1	LINS	LAGERSTROEMIA INDICA	CRAPE MYRTLE	36" BOX		L
	25	QA	QUERCUS AGRIFOLIA	COAST LIVE OAK	36" BOX		VL
<u>GROUND COVER</u>							
	-		NATURAL TURF	SOD TO MATCH STANFORD STANDARD			H
	-		SYNTHETIC TURF	MATCH STANFORD STANDARD			NONE
	-		BARK MULCH	MATCH STANFORD STANDARD			NONE

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744 Alabama Street, #331  
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SHEET TITLE  
**LANDSCAPE NOTES**

SCALE  
NO SCALE

SHEET NUMBER

**L-1.02**

# Stanford Practice Lacrosse

Stanford, CA

## Lighting System

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
F1-F4	80'	80'	2	TLC-LED-1200	2.34 kW	A
		80'	10	TLC-LED-1500	14.10 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
<b>4</b>			<b>56</b>		<b>70.36 kW</b>	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Lacrosse	70.36 kW	56

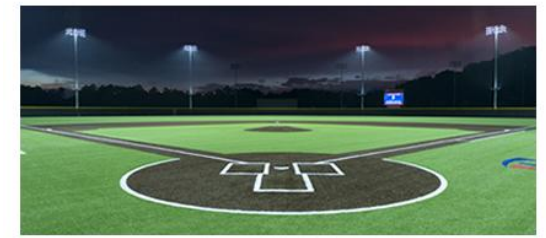
Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	40
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	8
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8

Single Luminaire Amperage Draw Chart								
Driver (.90 min power factor)	Max Line Amperage Per Luminaire							
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)	
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6	
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0	
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5	

## Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket	Horizontal	13.4	0	83	0.00		A	56
El Camino Spill	Horizontal	0	0	0.01	0.00		A	56
El Camino Spill	Max Candela (by Fixture)	232	0	882	0.00		A	56
El Camino Spill	Max Vertical Illuminance Metric	0.01	0	0.03	0.00		A	56
Lacrosse	Horizontal Illuminance	75.7	68	79	1.17	1.11	A	56

## From Hometown to Professional



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EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1200	2	2	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	10	10	0
2	F3-F4	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1200	2	2	0
4	TOTALS					56	56	0

## Stanford Practice Lacrosse

Stanford, CA

GRID SUMMARY	
Name:	Lacrosse
Size:	360' x 195'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	75
Scan Average:	75.67
Maximum:	79
Minimum:	68
Avg / Min:	1.11
Guaranteed Max / Min:	2
Max / Min:	1.17
UG (adjacent pts):	1.10
CU:	0.65
No. of Points:	84
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	56
Total Load:	70.36 kW

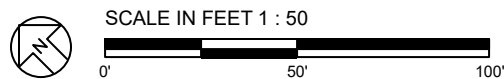
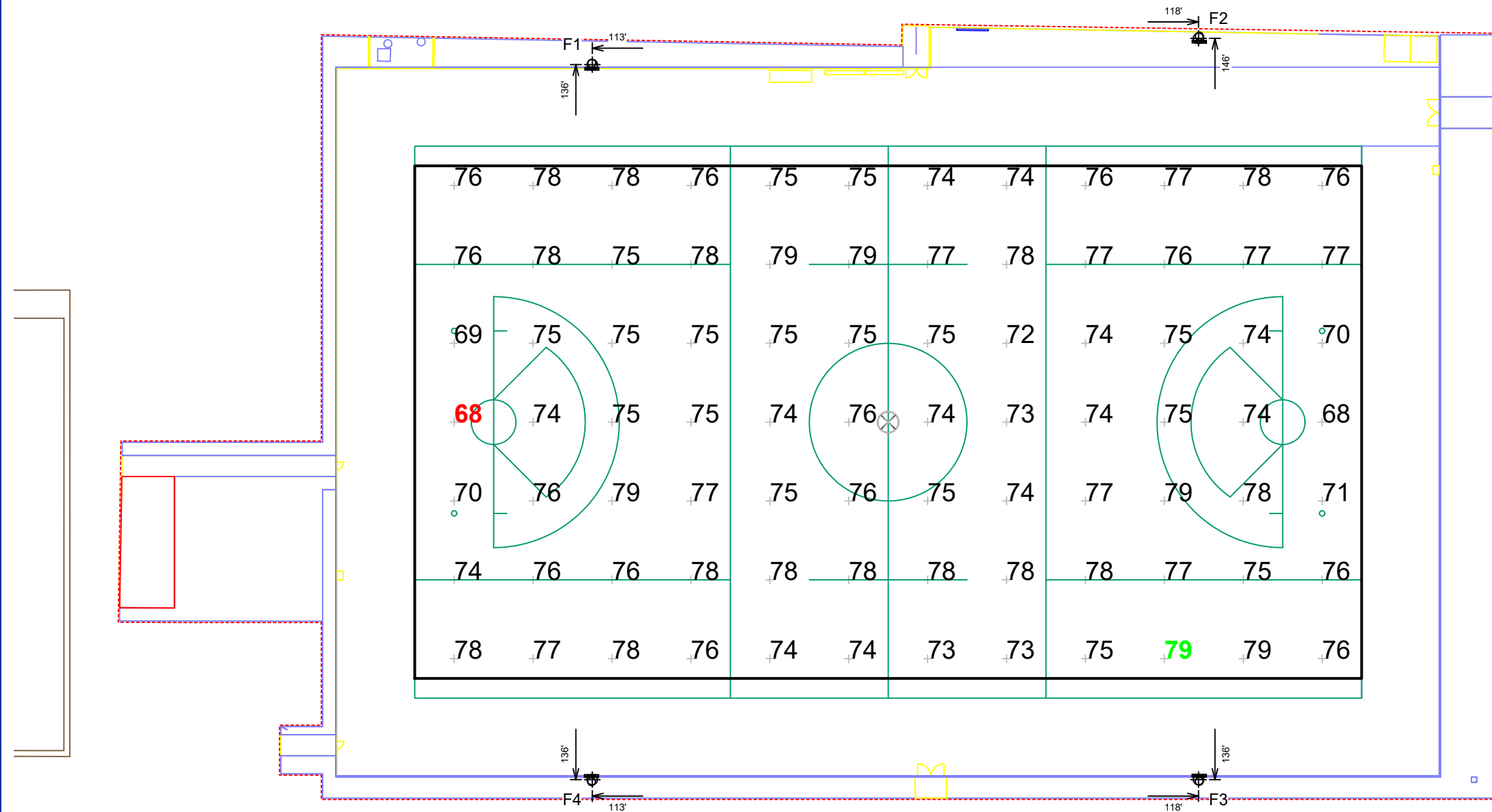
**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.0 - Green color denotes the largest foot candle location  
 #.# - Black color denotes the foot candles at the marker location  
 0.0 - Red color denotes zero foot candles at marker location



ENGINEERED DESIGN By: Aaron Rose · File #232514C · 05-Mar-24

Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ⊗



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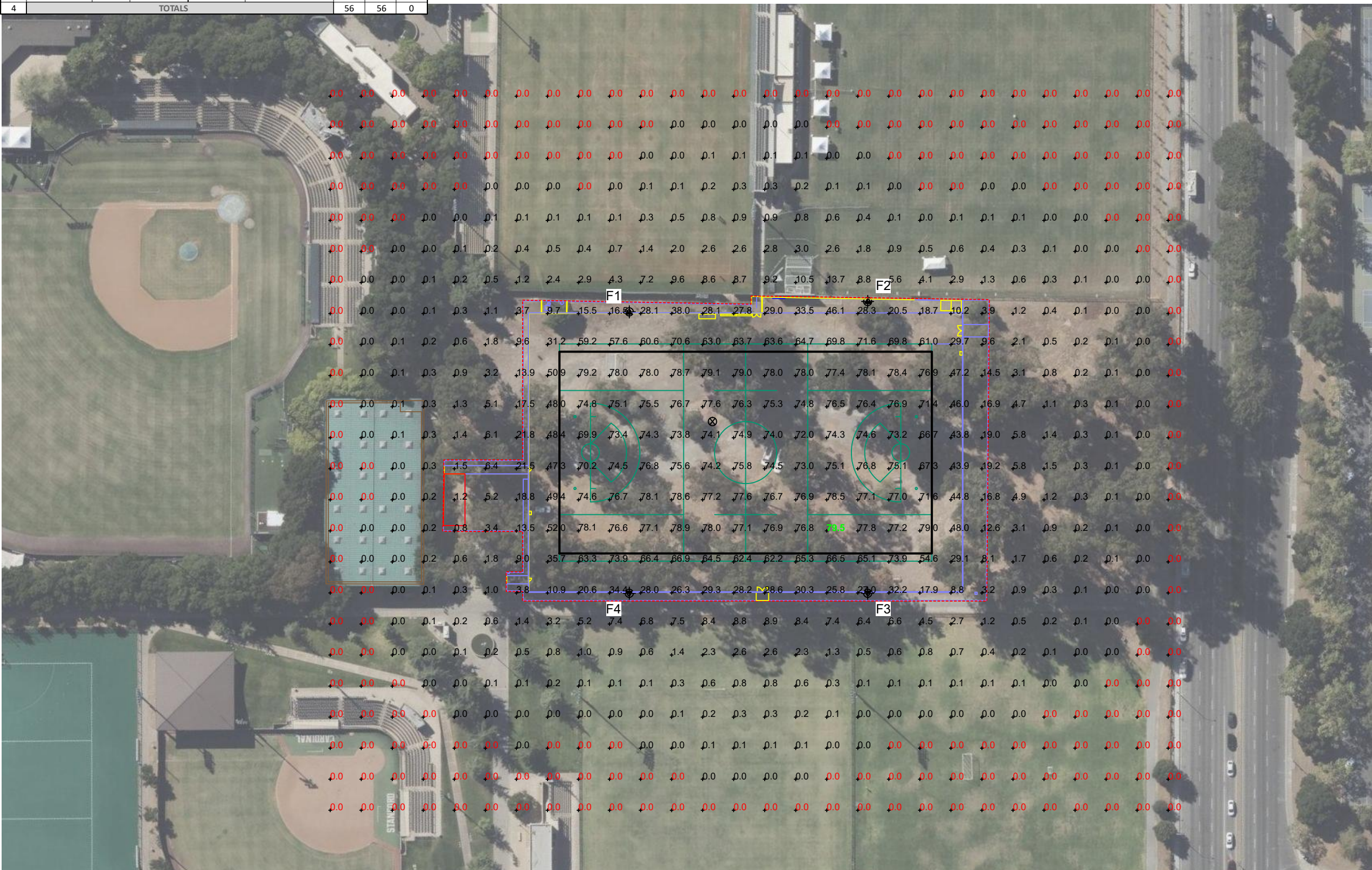
EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	F1-F2	80'	-	80'	TLC-LED-1200	2	2	0	
				15.5'	TLC-BT-575	2	2	0	
				80'	TLC-LED-1500	10	10	0	
2	F3-F4	80'	-	80'	TLC-LED-1500	10	10	0	
				15.5'	TLC-BT-575	2	2	0	
				80'	TLC-LED-1200	2	2	0	
4	TOTALS					56	56	0	

## Stanford Practice Lacrosse

Stanford, CA

GRID SUMMARY	
Name:	Blanket
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	13.44
Maximum:	79
Minimum:	0
Avg / Min:	-
Max / Min:	-
UG (adjacent pts):	58.15
CU:	0.93
No. of Points:	672
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	56
Total Load:	70.36 kW



**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.0 - Green color denotes the largest foot candle location  
 #.# - Black color denotes the foot candles at the marker location  
 0.0 - Red color denotes zero foot candles at marker location



Pole location(s) ⚡ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1200	2	2	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	10	10	0
2	F3-F4	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1200	2	2	0
4	TOTALS					56	56	0

## Stanford Practice Lacrosse

Stanford, CA

GRID SUMMARY	
Name:	El Camino Spill
Spacing:	30.0'
Height:	0.0' above grade

ILLUMINATION SUMMARY	
HORIZONTAL FOOTCANDLES	
Scan Average:	Entire Grid 0.0016
Maximum:	0.01
Minimum:	0.00
No. of Points:	46
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	56
Total Load:	70.36 kW

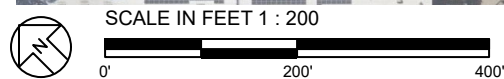
**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.0 - Green color denotes the largest foot candle location  
 #.# - Black color denotes the foot candles at the marker location  
 0.0 - Red color denotes zero foot candles at marker location



Pole location(s) ⚓ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1200	2	2	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	10	10	0
2	F3-F4	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1200	2	2	0
4	TOTALS					56	56	0

## Stanford Practice Lacrosse

Stanford, CA

GRID SUMMARY	
Name:	El Camino Spill
Spacing:	30.0'
Height:	0.0' above grade

ILLUMINATION SUMMARY	
MAX VERTICAL FOOTCANDLES	
Scan Average:	Entire Grid 0.0062
Maximum:	0.03
Minimum:	0.00
No. of Points:	46
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	56
Total Load:	70.36 kW

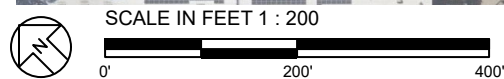
**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.0 - Green color denotes the largest foot candle location  
 ## - Black color denotes the foot candles at the marker location  
 0.0 - Red color denotes zero foot candles at marker location



Pole location(s) ⚓ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1200	2	2	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	10	10	0
2	F3-F4	80'	-	80'	TLC-LED-1500	10	10	0
				15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1200	2	2	0
4	TOTALS					56	56	0

## Stanford Practice Lacrosse

Stanford, CA

GRID SUMMARY	
Name:	El Camino Spill
Spacing:	30.0'
Height:	0.0' above grade

ILLUMINATION SUMMARY	
CANDELA (PER FIXTURE)	
Scan Average:	Entire Grid 231.8350
Maximum:	882.38
Minimum:	0.00
No. of Points:	46
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	56
Total Load:	70.36 kW

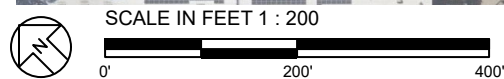
**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

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**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

0.0 - Green color denotes the largest foot candle location  
 ## - Black color denotes the foot candles at the marker location  
 0.0 - Red color denotes zero foot candles at marker location



Pole location(s) ⚓ dimensions are relative to 0,0 reference point(s) ⊗



We Make It Happen.





# Stanford Practice Lacrosse

Stanford, CA

## Equipment Layout

**INCLUDES:**  
 · Lacrosse

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

## Equipment List For Areas Shown

QTY	Pole			Luminaires		
	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
4	F1-F4	80'	-	80'	TLC-LED-1200	2
				80'	TLC-LED-1500	10
				15.5'	TLC-BT-575	2
4	Totals					56

## Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)					
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	480 (60)
Single Phase Voltage	3.3	3.2	2.9	2.5	2.0	1.8
TLC-BT-575	6.9	6.5	6.0	5.2	4.2	3.8
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6

**Note:**  
 1. The beams displayed on this sheet represent the precise targeting of the light fixtures. Each individual beam corresponds to a specific luminaire, and the points where the lines terminate indicate the exact locations where the light hits the ground.

SCALE IN FEET 1 : 80  
 0' 80' 160'  
 ENGINEERED DESIGN By: • File #232514C • 31-Jul-24

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

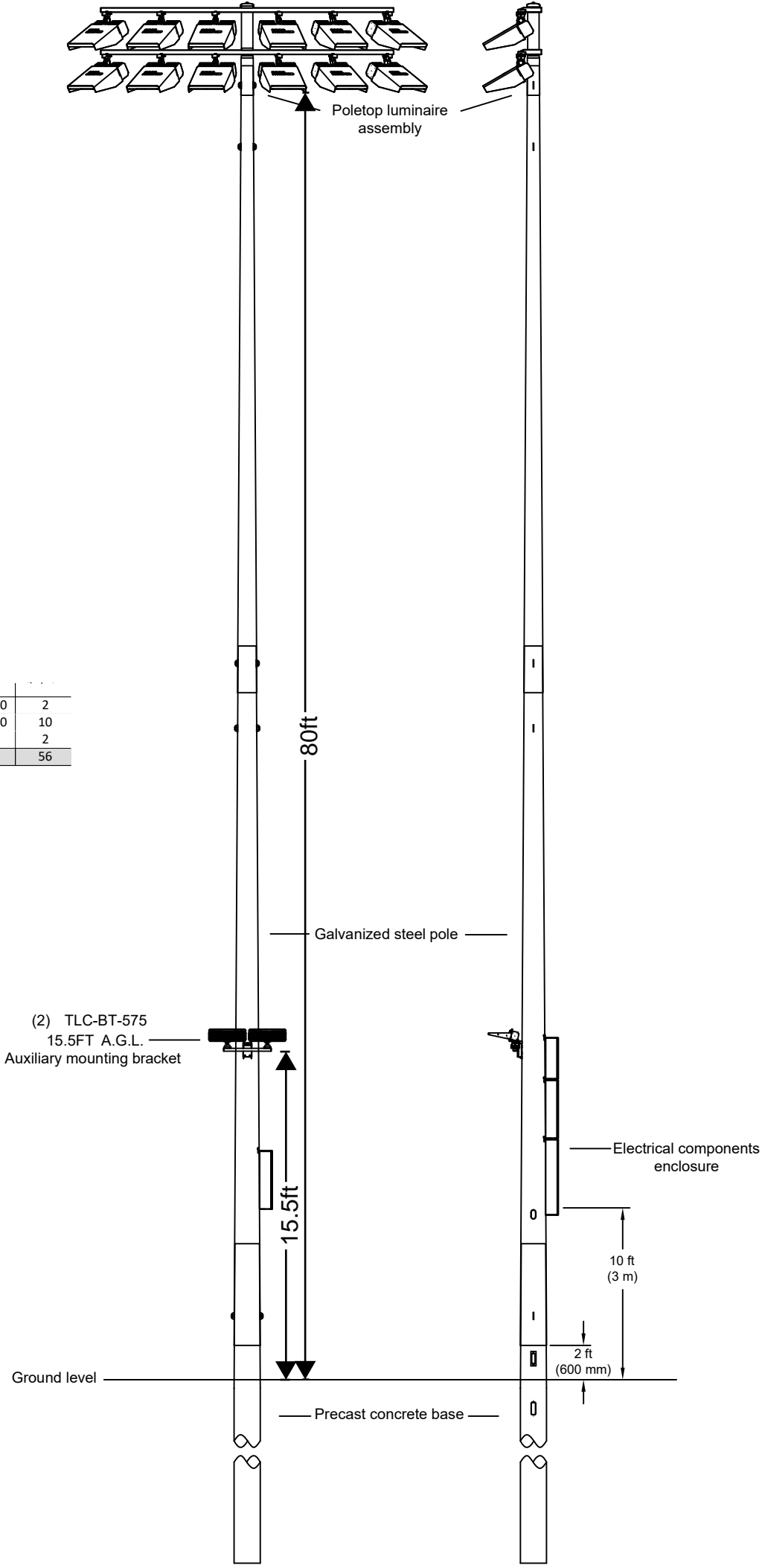


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GRADE LEVEL		
80'	TLC-LED-1200	2
80'	TLC-LED-1500	10
15.5'	TLC-BT-575	2
ils		56

**POLE(S): F1-F4**

Musco 80FT Light-Structure System™ pole  
 TLC for LED™ luminaires  
 (10) TLC-LED-1500  
 (2) TLC-LED-1200

PROJECT NUMBER:  
232514  
 DRAWN BY:  
A. Rose  
 SCALE:  
NTS  
 DATE:  
08/07/2024  
 DRAWING NUMBER:  
E-8

DATE:	BY:	R.L.	REVISIONS:

**MUSCO** Lighting  
 CORPORATE OFFICE:  
 P.O. Box 808  
 100 1st Avenue West  
 Oskaloosa, Iowa 52577  
 +1-800-825-6020  
 +1-641-673-0411

Stanford Practice Lacrosse  
 Standford CA  
 Pole Configuration Drawing **B**





**LEGEND**

- LIMIT OF WORK
- LANTERN LIGHT: SEE LIGHT SPECIFICATION ON SHEET E-10 DETAIL 1
- GLOBE LIGHT: SEE LIGHT SPECIFICATION ON SHEET E-10 DETAIL 2
- WALL PACK LIGHT: SEE LIGHT SPECIFICATION ON SHEET E-10 DETAIL 3

DIE-CAST ALUMINUM HOUSING LUMINAIRE  
 55 WATTS, 4000K LED WALL PACK LAMP



**TYPICAL WALL PACK LIGHT**

SPRING CITY "SAN ANTONIO" STYLE GLOBE;  
 16" DIAMETER, POST-TOP, ACRYLIC SPHERE  
 60 WATTS, 3000K LED LAMP

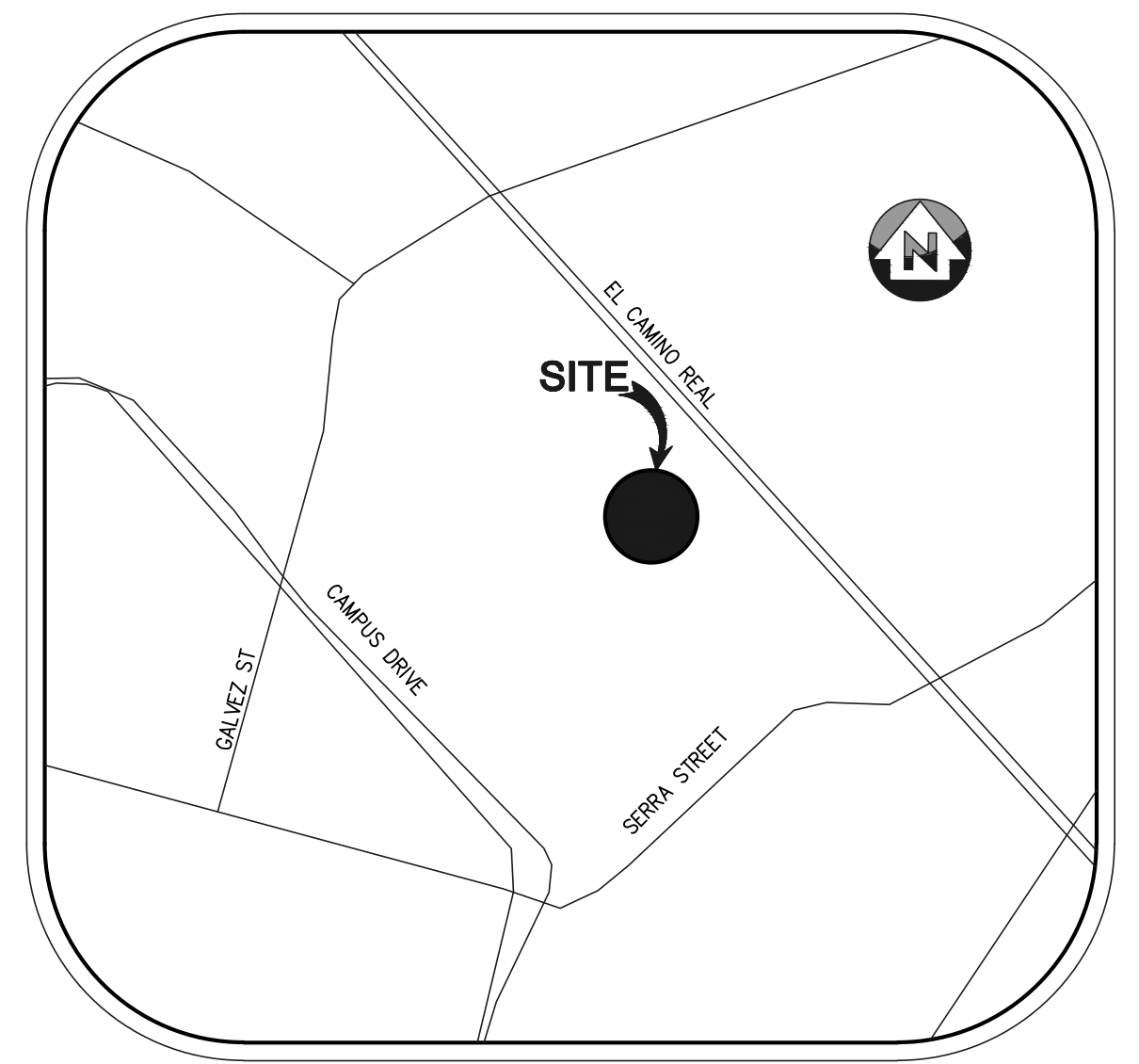
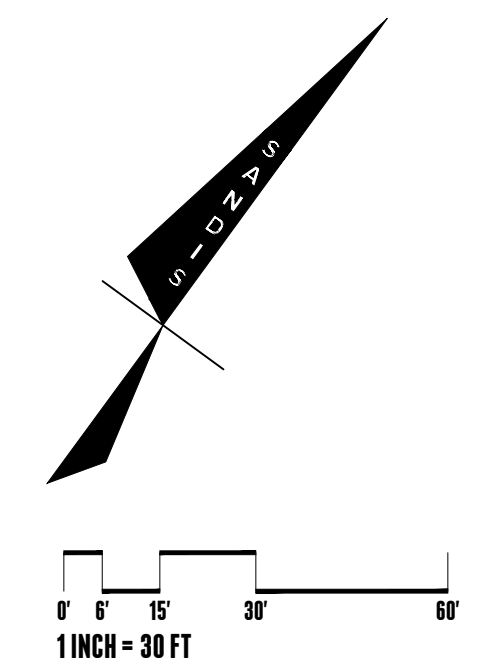


**TYPICAL GLOBE LIGHT**

HOLOPHANE PTE3 POST TOP LUMINAIRE  
 50 WATTS, 2700K LED LAMP

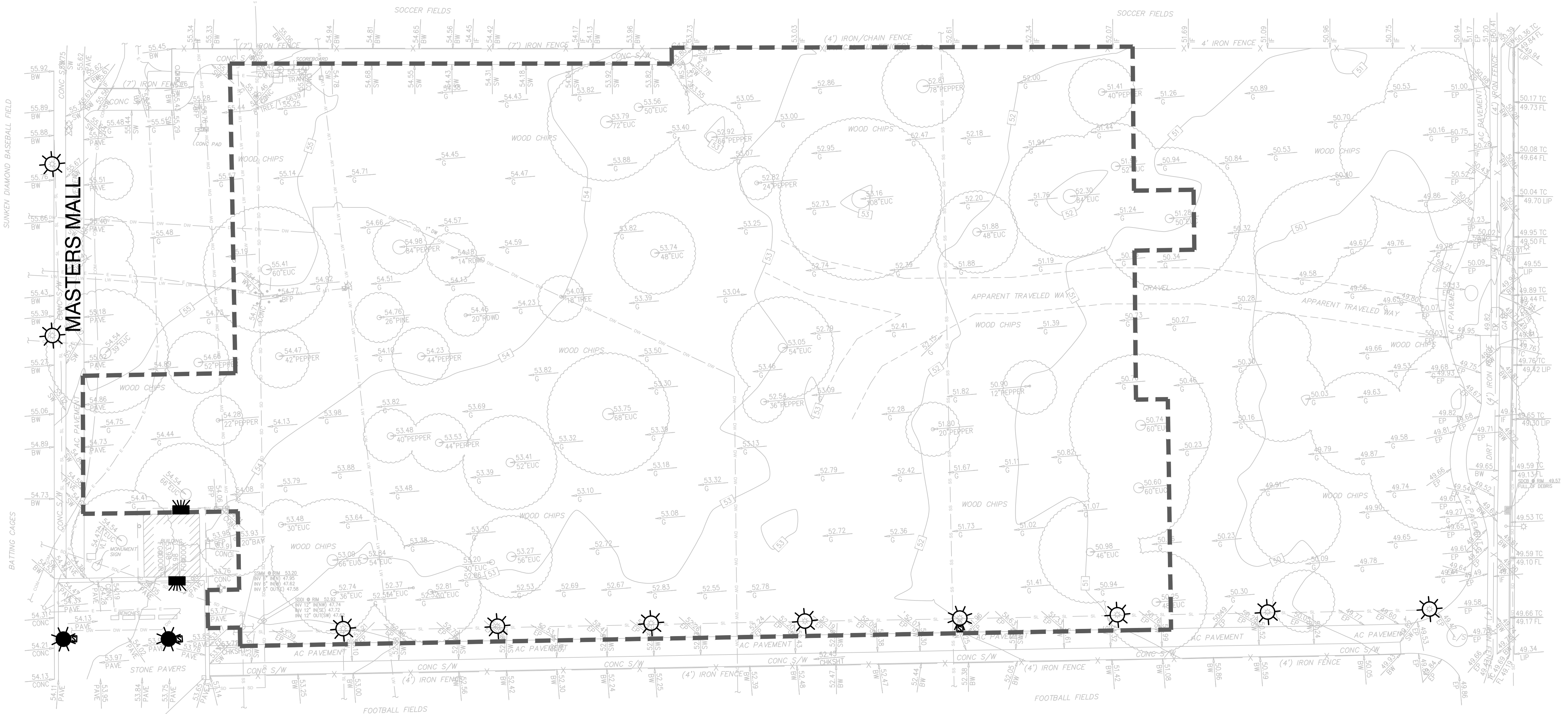


**TYPICAL LANTERN LIGHT**



VICINITY MAP  
 N.T.S.

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EL CAMINO REAL

CHURCHILL MALL

ISSUES AND REVISIONS	
NO.	DESCRIPTION
03.18.24	ASA SUBMITTAL
08.13.24	ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE  
**EXISTING LIGHTING PLAN**

SCALE  
 1"=30'

SHEET NUMBER



Project Name: Lacrosse Practice Field  
 Project Address: 657 Masters Mall,  
 Stanford CA. 94305  
 Quad/ Bldg. Number: 09-379



## Elements by TCP LED Wall Pack

**Applications**  
 This product family can be effectively used in outdoor wall mount locations in commercial, industrial, retail and institutional exterior lighting (i.e., parking lot, cargo door, high wall, area, security, etc).

**Construction**

- Diecast aluminum housing
- Impact-resistant polycarbonate lens
- Durable dark bronze powdercoat
- Same footprint as existing HID wall packs
- Operating Temperature: -20 C. to 40 C.

**Electrical**

- cULus wet location rated
- Easy-to-access wiring compartment
- System rated for long 50,000 hour life
- Efficiently delivers up to 105 LPW
- Optional Photocell (PC)
- Optional Microwave Motion Sensor (MS)

**Optics**

- Prismatic polycarbonate lens
- Delivers bright, white light and excellent uniformity

Item Number	Type

**Listings**  
 UL and cUL listed  
 RoHS Compliant  
 DLC v5.1 Standard

**Warranty**  
 Five year limited warranty against defects in manufacturing.

Front View

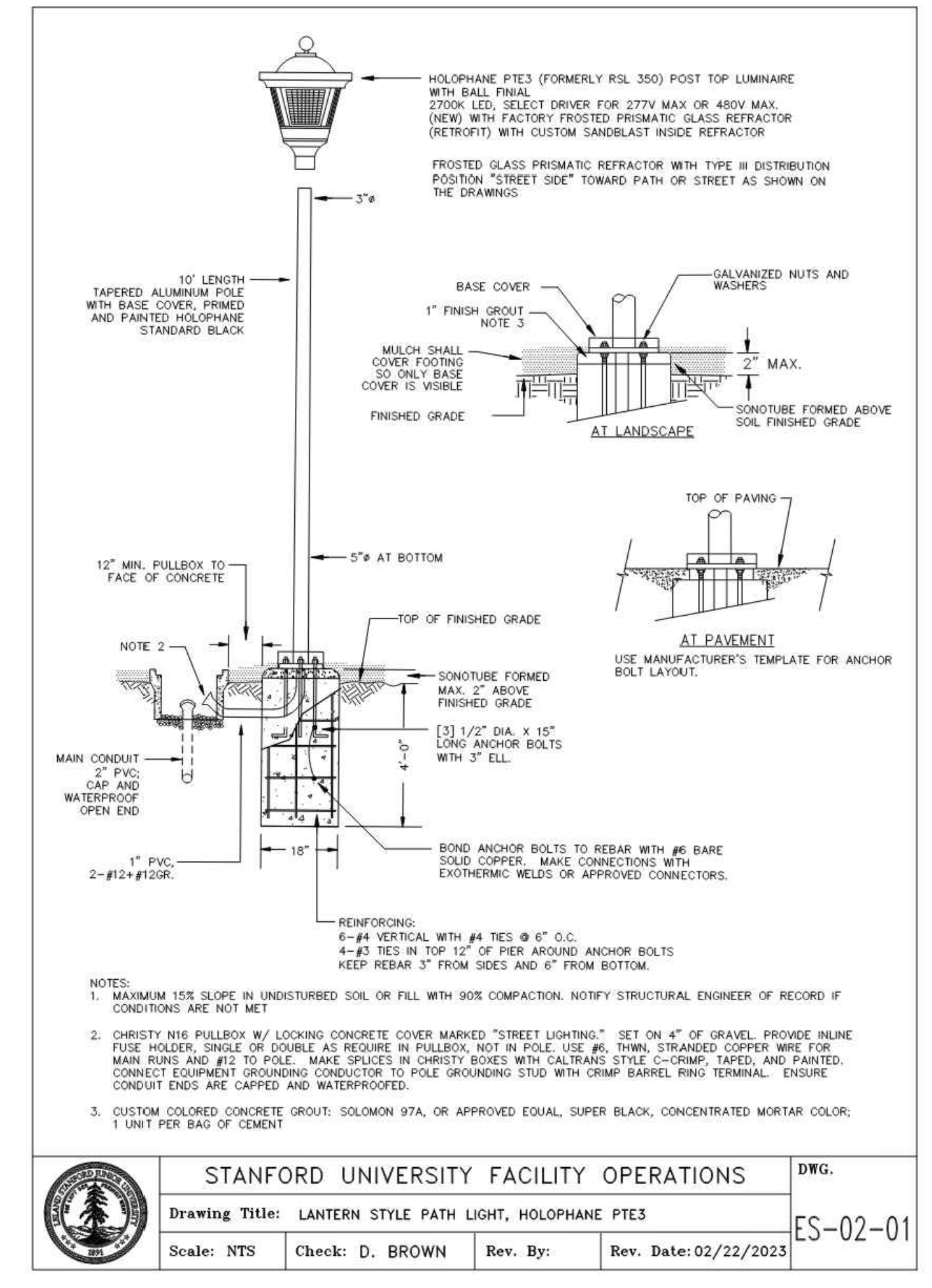
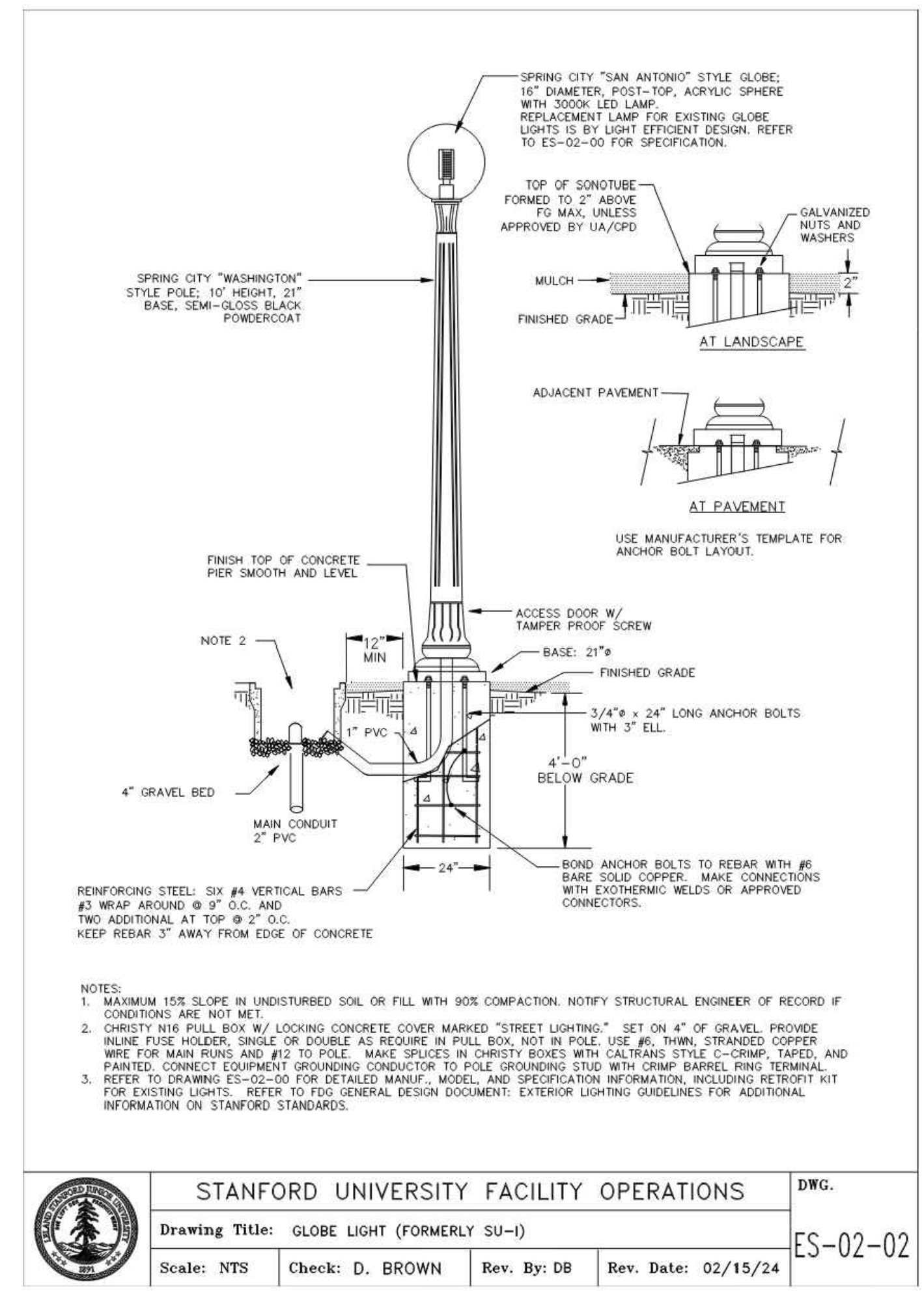
Side View

Catalog Ordering Matrix <span style="font-size: x-small;">Example: WP5500140K</span>				
FAMILY	LUMEN PACKAGE	VOLTAGE	COLOR TEMPERATURE	FACTORY INSTALLED OPTIONS:
WP - Wall Pack	55 - 5800 (SSW) 120 - 12600L (120W)	001 - 120-277V	40K - 4000K 50K - 5000K	Blank - No Add on PC - Button Photocell MS - Microwave Bi-level Dimming Sensor

**Field Installed Accessories:**

Item Number	Description
CPFBATTERY	8V 90 min. waterproof emergency battery backup

For the most up-to-date specs and warranty information, please visit [www.tcp.com](http://www.tcp.com)  
 TCP  
 325 Campus Dr. | Aurora, Ohio 44202 | P. 800-324-1496 | [tapi.com](http://tapi.com)  
 ©19-2022 TCP



3 LED WALL PACK LIGHT SPECIFICATION

2 GLOBE LIGHT SPECIFICATION

1 LANTERN LIGHT SPECIFICATION

ISSUES AND REVISIONS		
NO.	DATE	DESCRIPTION
	03.18.24	ASA SUBMITTAL
	08.13.24	ASA RESUBMITTAL

PROJECT NUMBER

SHEET TITLE

EXISTING LIGHTING SPECIFICATIONS

SCALE

1"=30'

SHEET NUMBER

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