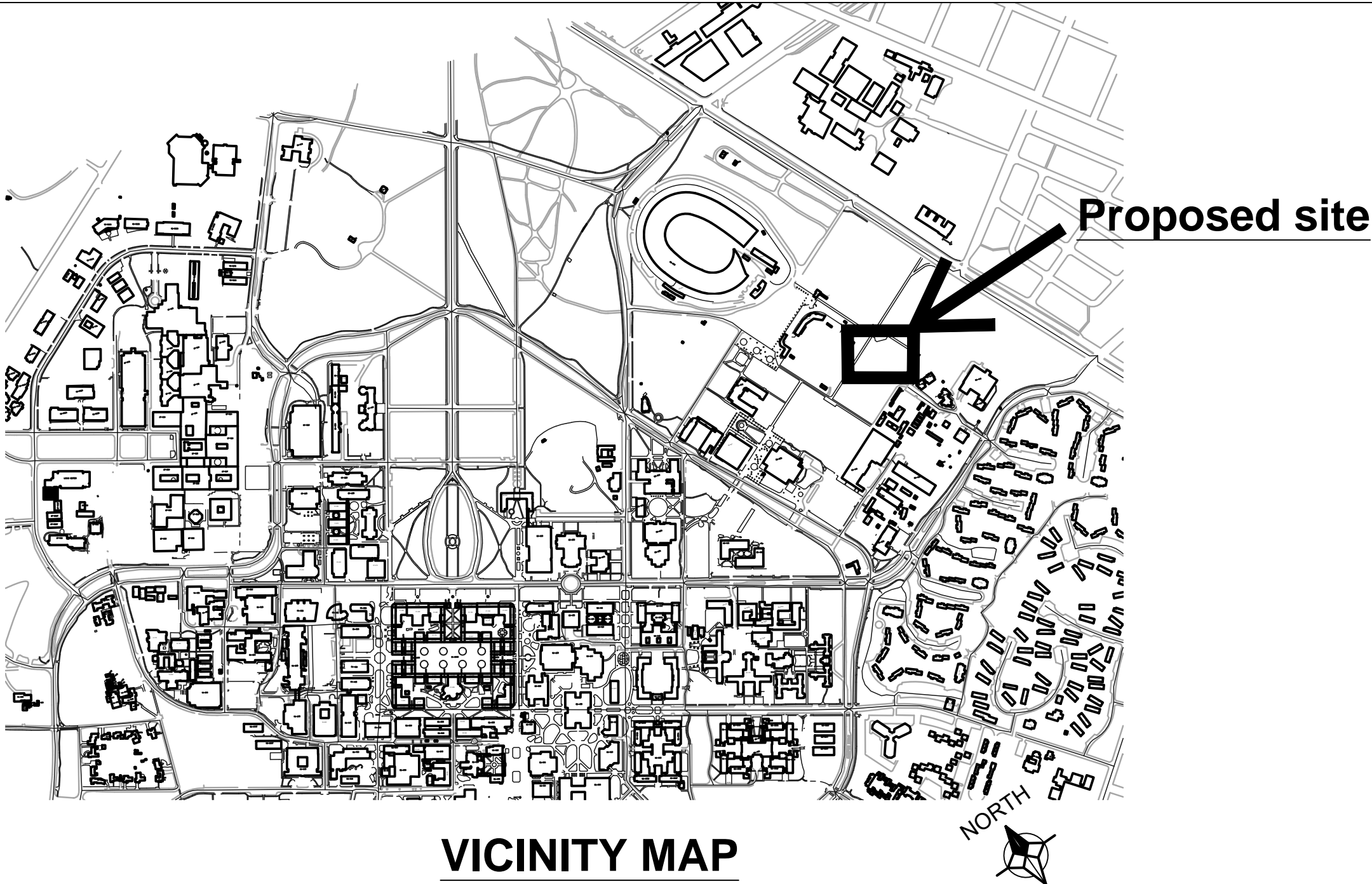


STANFORD UNIVERSITY
SOFTBALL STADIUM IMPROVEMENTS

DRAWING STATUS
SUBMITTAL DATE: 06/28/18
APPROVAL DATE:
ASA SUBMITTAL
ASA COMPLIANCE RE-SUBMITTAL
PERMIT APPLICATION
CONSTRUCTION PERMIT
RECORD DRAWINGS

PROJECT # 5361

161 CHURCHILL MALL STANFORD, CALIFORNIA



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SITE DATA INFORMATION

GENERAL

APN:

142-04-036

PARCEL SIZE:

580.15 ACRES

DEVELOPMENT DISTRICT:

DAPER & ADMINISTRATIVE

BUILDING/QUAD:

09-375

LAND USE DESIGNATION:

ACADEMIC CAMPUS

SITE AREA:

22,750 SF

PERCENTAGE OF SITE AREA:

BUILDING:

45%

PAVEMENT:

0%

LANDSCAPE:

55%

NUMBER OF NET
NEW PARKING SPACES:

0

ESTIMATED CUT AND FILL:

CUT:

350

CUBIC YARDS

FILL:

100

CUBIC YARDS

PROJECT DESCRIPTION:

IMPROVEMENTS AND EXPANSION TO BOTH THE HOME AND VISITOR BATTING CAGE/BULLPEN AREAS, ADD NEW UNISEX RESTROOMS WITHIN (60SF AND 60SF). TOTAL ADDITION OF 120 ACADEMIC SF. IMPROVEMENTS TO LAWN ADJACENT TO BLEACHERS.

PROJECT MANAGER:

Mark Bonino

3160 Porter Dr.

Palo Alto, CA 94304

mbonino@stanford.edu

GUP EXHIBIT

	CBC CHP 5 (SF)	GOV CODE/GUP (SF)
FLOOR 1: RESTROOM-A RESTROOM-B	60 60	60 60
TOTAL ADJUSTED GSF	120	120

REVISION

DEPARTMENT OF PROJECT MANAGEMENT

360 PORTER DRIVE

PALO ALTO, CA 94304

TELEPHONE (650) 723-0022

FAX (650) 723-7444

TITLE SHEET

STANFORD UNIVERSITY

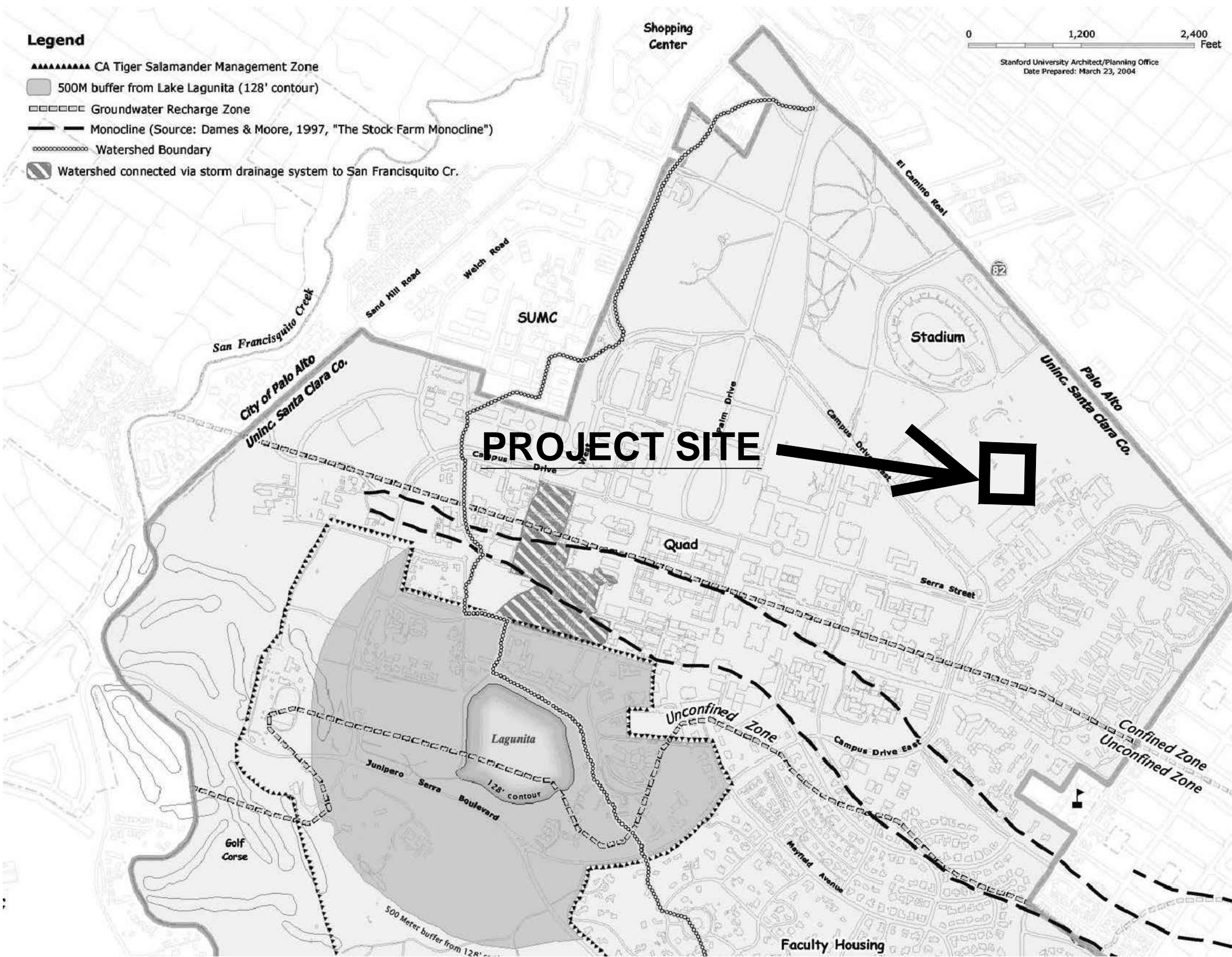
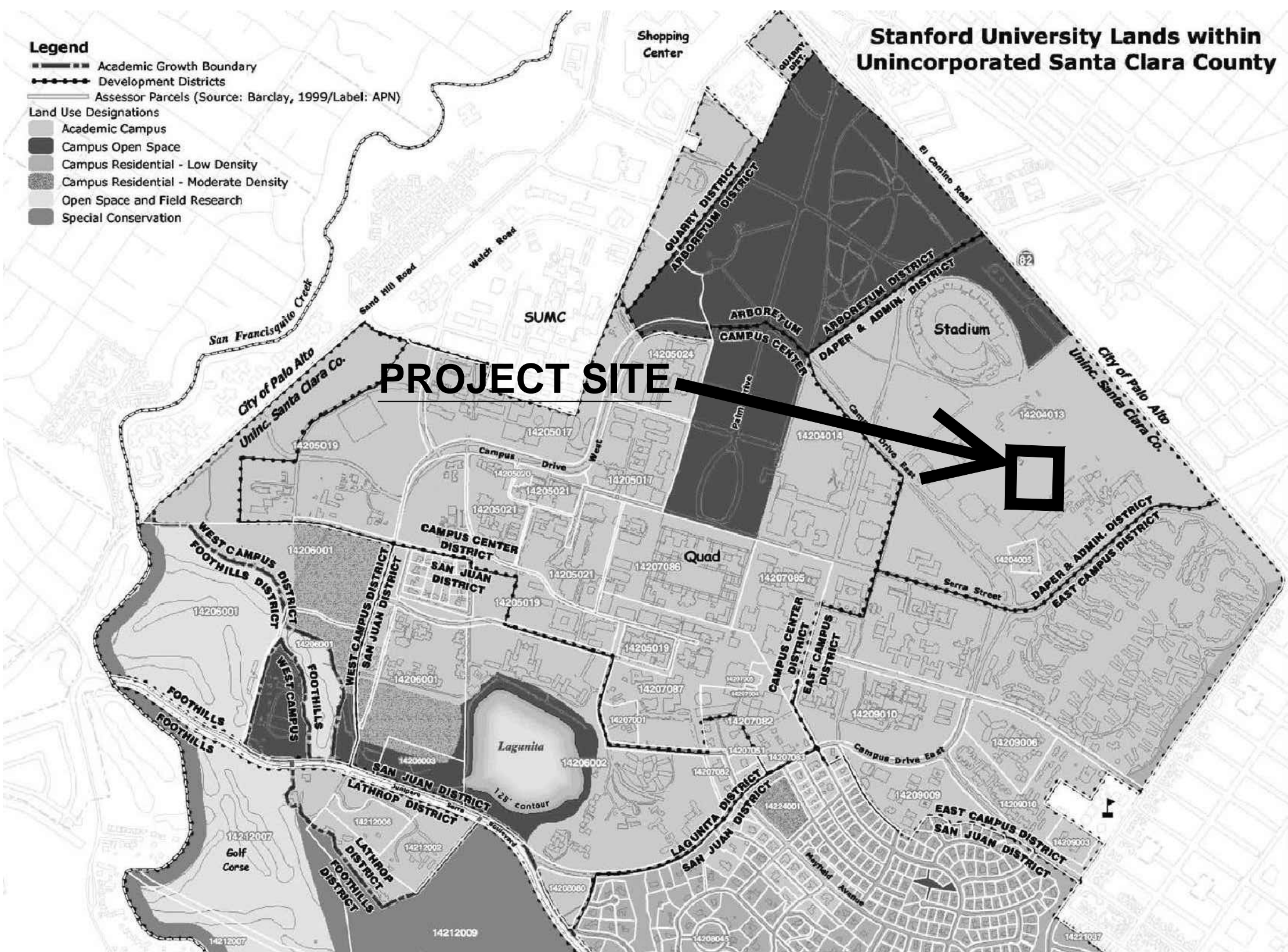
SOFTBALL STADIUM

IMPROVEMENTS

DATE: 06/28/18

SCALE: N/A

PL0.0



GUP INFORMATION MAP

REVISION	
DEPARTMENT OF PROJECT MANAGEMENT	
360 PORTER DRIVE	
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FAX (650) 723-7444	
GUP INFORMATION MAP	
STANFORD UNIVERSITY	
SOFTBALL STADIUM	
IMPROVEMENTS	
DATE: 06/28/18	
SCALE: AS SHOWN	
PL12	

Files: S:\2717126\14 ENGINEERING\2 PLAN SETS\3 SHEET SET\ONSITE\PL12.dwg Date: Jun 25, 2018 - 12:42pm, plnante

- 2 - EXTEND BULL PEN 20 FT BY INSTALLING (N) CHAIN LINK ONTO (E). INCLUDE NEW REAR GATE FOR ENTRANCE.
- INCLUDE NEW METAL ROOF & STRUCTURAL SUPPORT.
- INSTALL NEW UNISEX RESTROOM.
- INCLUDE ADDITIONAL LIGHTS.
- EXTEND PATHWAY/ STAIRS TO BULL PEN.
- LEVEL LAWN TO PROVIDE SEATING.
- 3 - EXTEND BULL PEN TO NEW 60 FT X80 FT FOOTPRINT.
- INCLUDE NEW METAL ROOF & STRUCTURAL SUPPORT.
- INSTALL NEW UNISEX RESTROOM.
- INCLUDE ADDITIONAL LIGHTS.
- EXTEND PATHWAY/ STAIRS TO BULL PEN.
- LEVEL LAWN TO PROVIDE SEATING.

CAMPUS DRIVE

LEGEND:

(E) FIRE HYDRANT

(E) ACCESSIBLE PATH OF TRAVEL

STANFORD UNIVERSITY SOFTBALL STADIUM IMPROVEMENT

STANFORD, CA

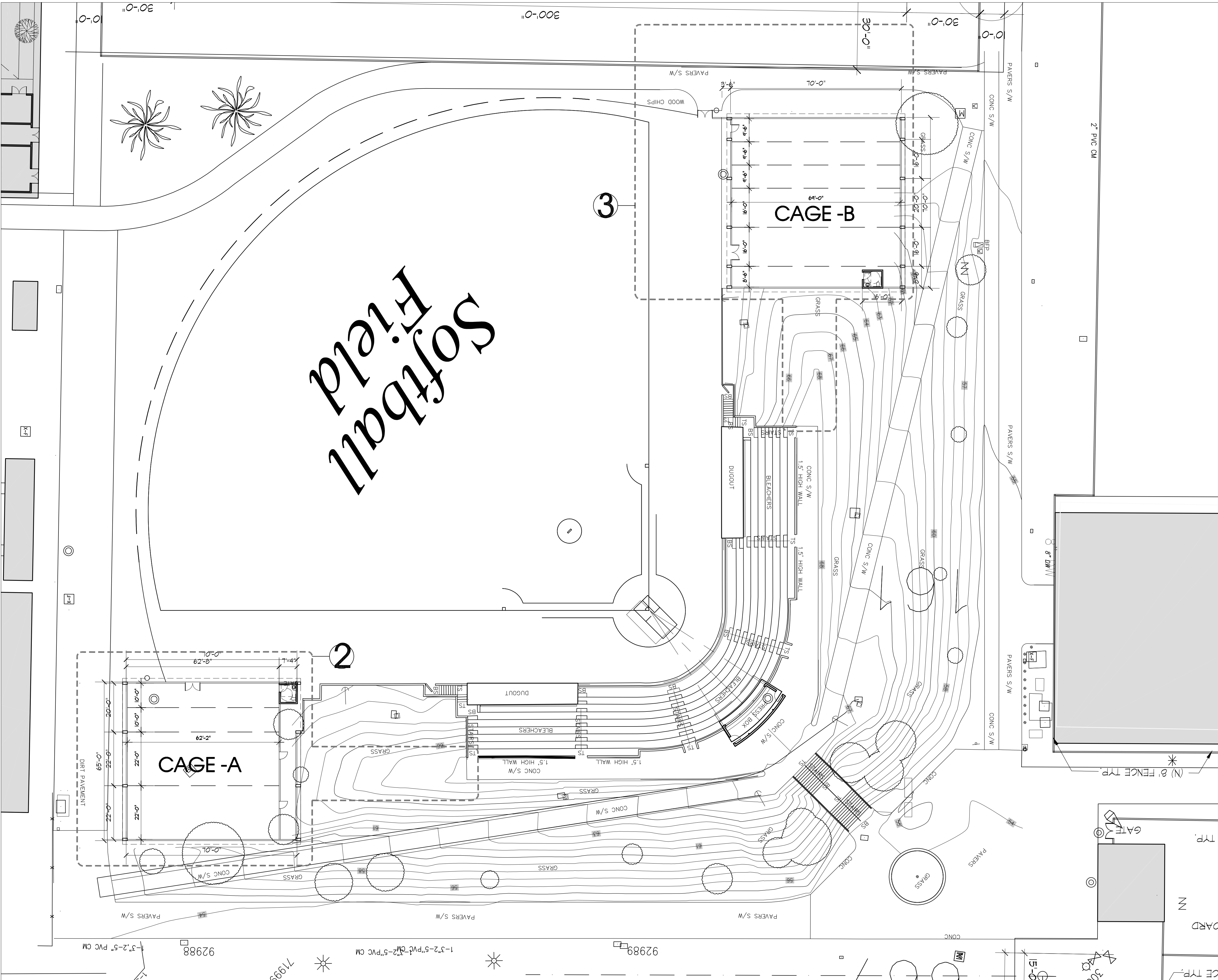
Issues and Revisions			
No.	Date	Issues and Revisions	By
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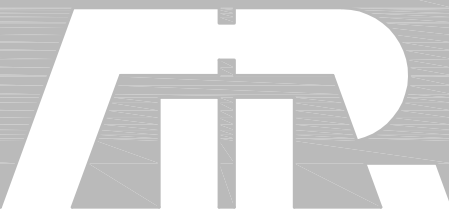
SITE PLAN

Project Number: 2016A102
Date: 05/25/2018
Scale: -

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A1.1





- 2 - EXTEND BULL PEN 20 FT BY INSTALLING (N) CHAIN LINK ONTO (E), INCLUDE NEW REAR GATE FOR ENTRANCE.
- INCLUDE NEW METAL ROOF & STRUCTURAL SUPPORT.
- INSTALL NEW UNISEX RESTROOM.
- INCLUDE ADDITIONAL LIGHTS.
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STANFORD UNIVERSITY
SOFTBALL STADIUM IMPROVEMENT

STANFORD, CA

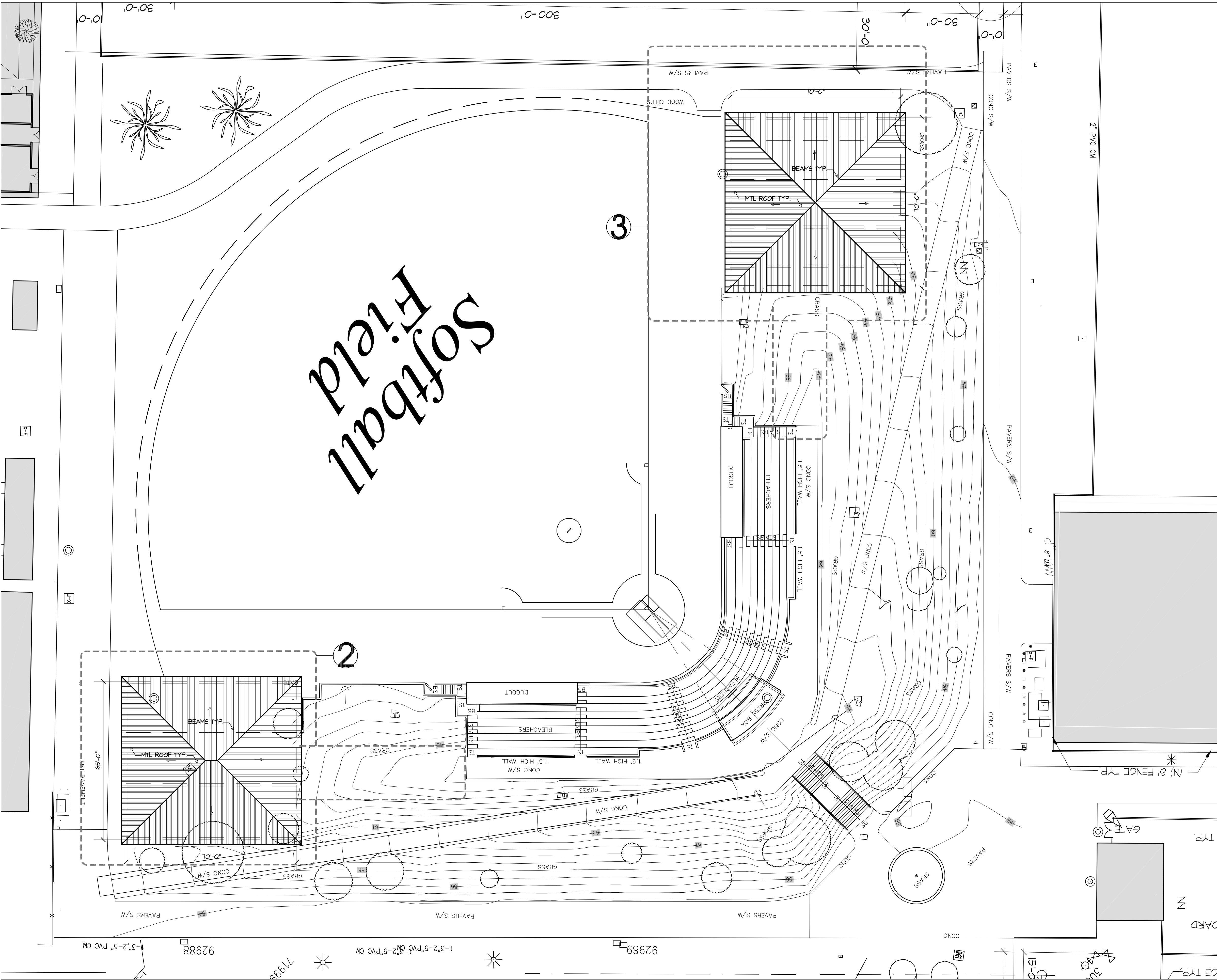
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No.	Date	Issues and Revisions	By
	06/28/2018	ASA SUBMITTAL	

SITE PLAN
/ROOF PLAN

Project Number: 2016A102
Date: 05/25/2018
Scale: -

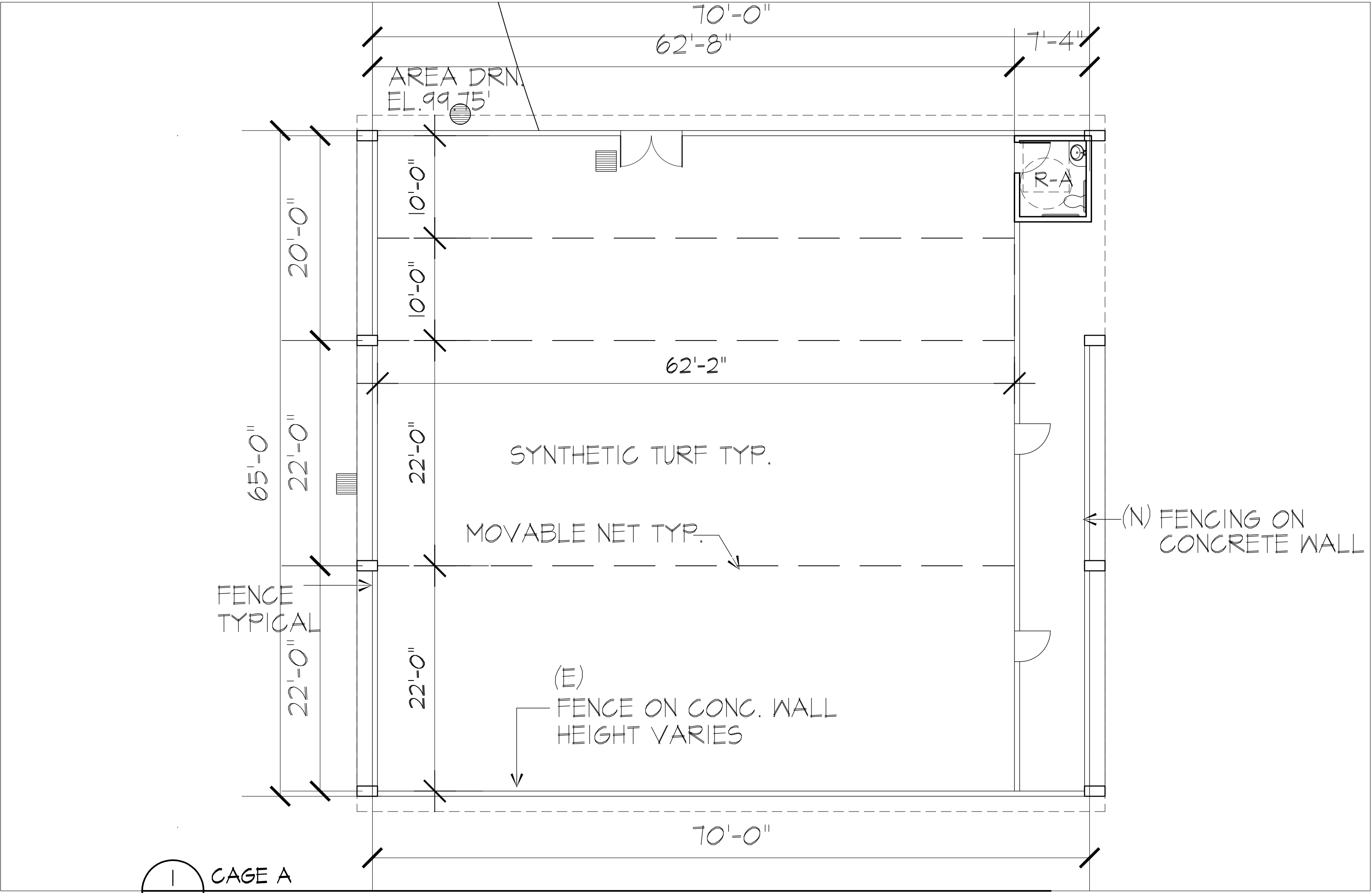
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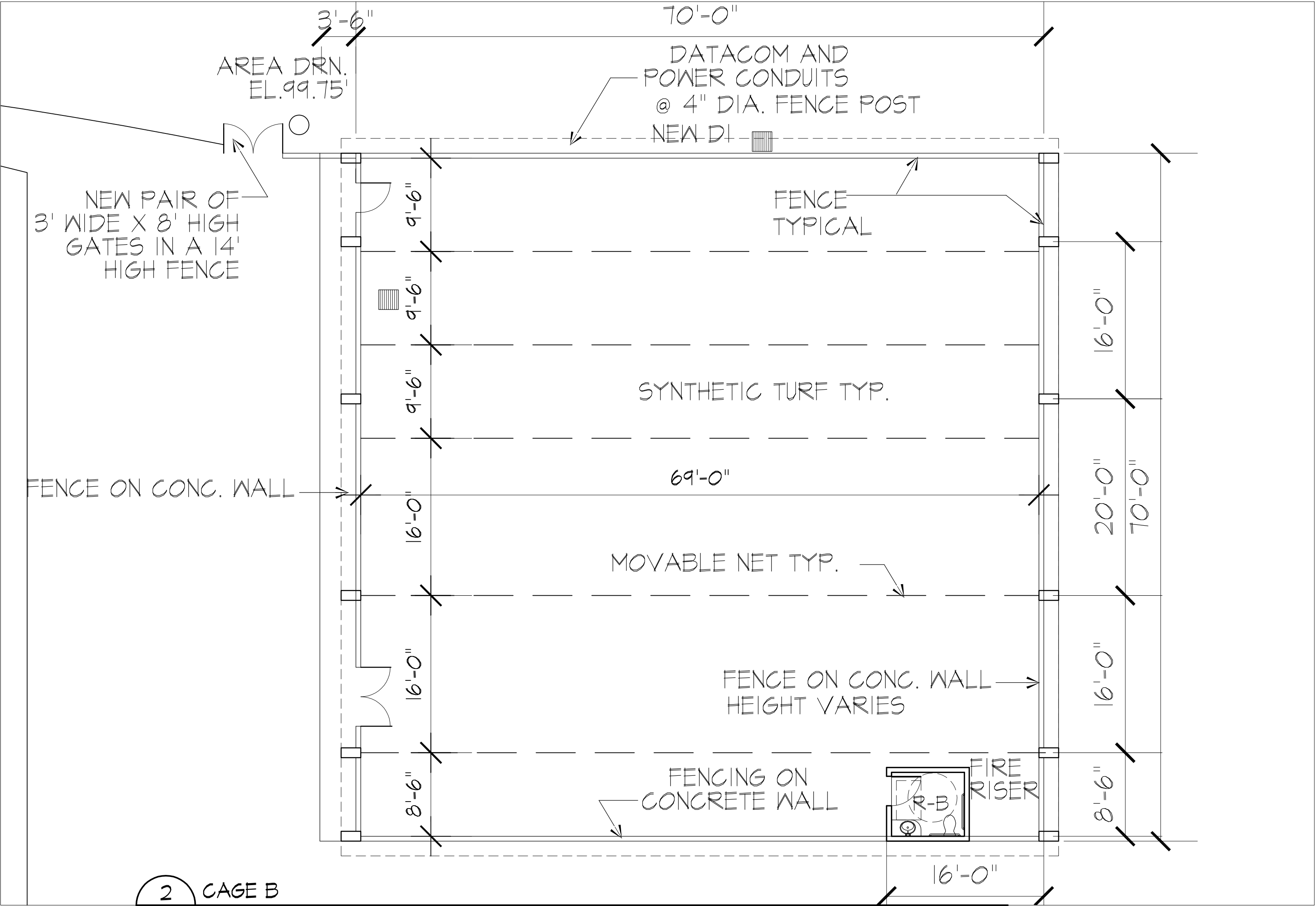


	CBC CHP 5 (SF)	GOV CODE/GUP (SF)
FLOOR 1		
RESTROOM-A	60	60
RESTROOM-B	60	60
TOTAL ADJUSTED GSF	120	120

3 GROSS SQUARE FOOTAGE
A2.1 SCALE: -



1 CAGE A
A2.1 SCALE: 1/8" = 1'-0"



2 CAGE B
A2.1 SCALE: 1/8" = 1'-0"

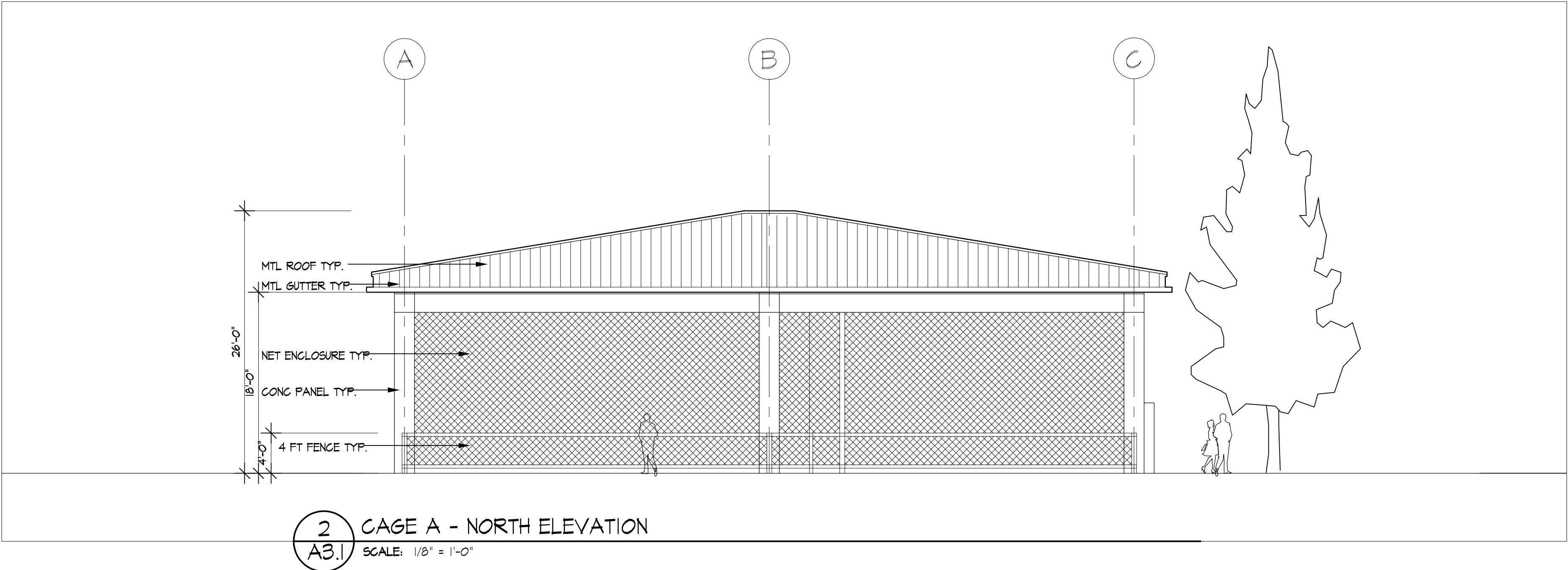
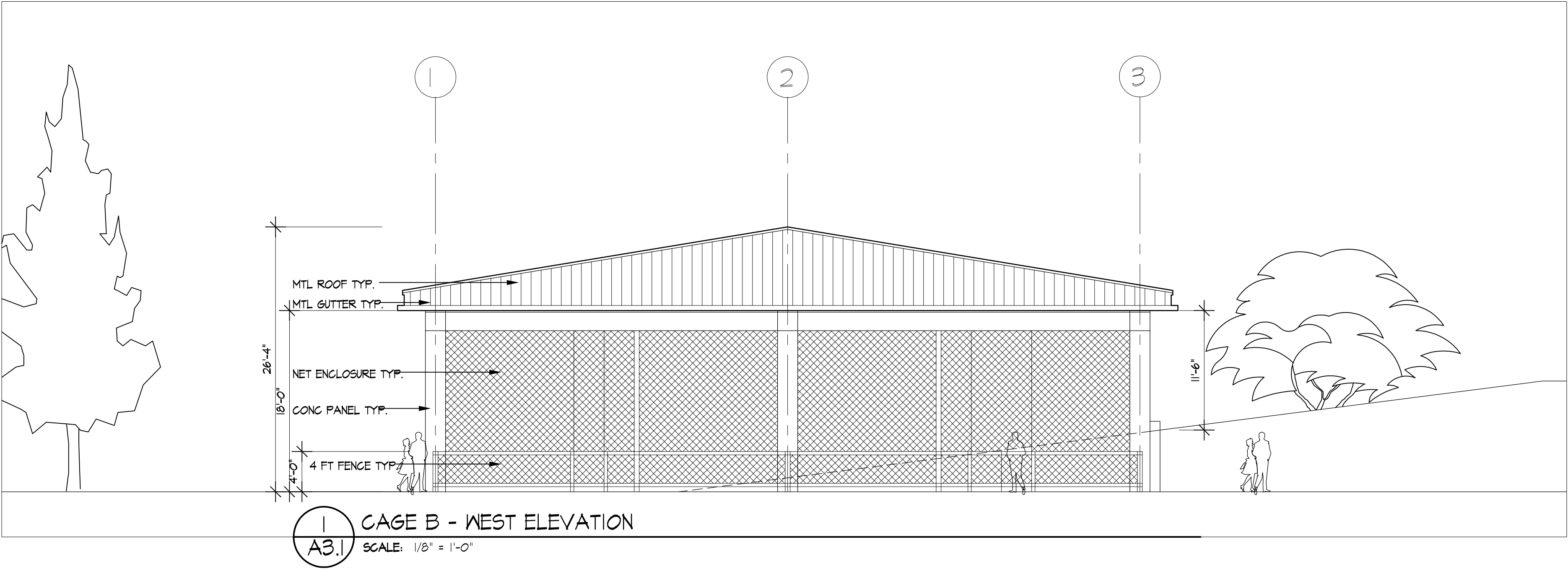
STANFORD UNIVERSITY
SOFTBALL STADIUM IMPROVEMENT

STANFORD, CA

Issues and Revisions			
No.	Date	Issues and Revisions	By
06/28/2018	ASA SUBMITTAL		

PLANS

Project Number:	2016A102
Date:	05/25/2018
Scale:	-



STANFORD UNIVERSITY
SOFTBALL STADIUM IMPROVEMENT

STANFORD, CA

Issues and Revisions			
No.	Date	Issues and Revisions	By
	06/28/2018	ASA SUBMITTAL	

ELEVATIONS

Project Number: 2016A102
Date: 05/25/2018
Scale: -

A3.1

PLAN # _____ OF
SHEET _____

COUNTY OF SANTA CLARA
GENERAL CONSTRUCTION SPECIFICATIONS

GENERAL CONDITIONS

1. THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD) HAS IDENTIFIED A SET OF FEASIBLE PM10 CONTROL MEASURES FOR ALL CONSTRUCTION ACTIVITIES. THESE CONTROL MEASURES, AS PREVIOUSLY REQUIRED IN THE EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES.
 - A. WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
 - B. COVER ALL TRUCK 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 CONSTRUCTIONS SITES.
 - E. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL ARE CARRIED ONTO ADJACENT PUBLIC STREETS.
 - F. HYDROSEED OR APPLY (NON-TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREA (PREVIOUSLY GRADED AREAS INACTIVE FOR TEN DAYS OR MORE).
 - G. ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON-TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES (DIRT, SAND).
 - H. LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
 - I. INSTALL FIBER ROLLS, SAND BAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.
 - J. REPLANT VEGETATIONS 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.
2. PLACE A CONSTRUCTION NOTE ON THE SITE PLAN THAT STATES THE FOLLOWING: "ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT EQUIPMENT AND EMISSIONS CONTROL * CLEAN FUEL * WHERE FEASIBLE USE 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.
3. IN THE EVENT THAT PREVIOUSLY UNIDENTIFIED HISTORIC AND PREHISTORIC ARCHAEOLOGICAL RESOURCES ARE DISCOVERED DURING BUILDING CONSTRUCTION, THE CONTRACTOR SHALL CEASE WORK IN THE IMMEDIATE AREA AND THE COUNTY PLANNING OFFICE AND CAMPUS ARCHAEOLOGIST SHALL BE CONTACTED. AN INDEPENDENT QUALIFIED ARCHAEOLOGIST RETAINED BY THE COUNTY AT THE EXPENSE OF STANFORD SHALL ASSESS THE SIGNIFICANCE OF THE FIND AND MAKE MITIGATION RECOMMENDATIONS.
4. IF ARCHAEOLOGICAL RESOURCES ARE DISCOVERED AS DESCRIBED ABOVE, CONSTRUCTION MONITORING SHALL BE CONDUCTED AT ANY TIME GROUND-DISTURBING ACTIVITIES (GREATER THAN 12 IN DEPTH) ARE TAKING PLACE IN THE IMMEDIATE VICINITY OF THE IDENTIFIED RESOURCES. IF MONITORING DOES NOT PRODUCE EVIDENCE OF SIGNIFICANT CULTURAL RESOURCES WITHIN THE PROJECT AREA, FURTHER MITIGATION SHALL BE LIMITED TO CONSTRUCTION MONITORING, UNLESS ADDITIONAL TESTING OR OTHER SPECIFIC MITIGATION MEASURES ARE DETERMINED BY A QUALIFIED ARCHAEOLOGIST TO BE NECESSARY TO ENSURE AVOIDANCE OR DAMAGE TO SIGNIFICANT ARCHEOLOGICAL 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.
5. 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.
6. IN THE EVENT THAT FOSSILIZED SHELL OR BONE IS UNCOVERED DURING ANY EARTH-DISTURBING OPERATION, CONTRACTORS SHALL STOP WORK IN THE IMMEDIATE AREA OF THE FIND AND NOTIFY THE CAMPUS ARCHAEOLOGIST AND THE COUNTY BUILDING INSPECTOR ASSIGNED TO THE PROJECT. THE CAMPUS ARCHAEOLOGIST SHALL VISIT THE SITE AND MAKE RECOMMENDATIONS FOR TREATMENT OF THE FIND (INCLUDING BUT NOT LIMITED TO CONSULTATION WITH A PALEONTOLOGIST AND EXCAVATION, IF WARRANTED), WHICH WOULD BE SENT TO THE COUNTY BUILDING INSPECTION OFFICE AND THE COUNTY PLANNING OFFICE. IF A FOSSIL FIND IS CONFIRMED, IT WILL BE RECORDED WITH THE UNITED STATES GEOLOGICAL SURVEY AND CURATED IN AN APPROPRIATE REPOSITORY.
7. ONE SIGN SHALL BE POSTED ALONG A STREET FRONTAGE OR IN FRONT OF THE PROJECT SITE, NO SMALLER THAN 1,296 SQUARE INCHES IN SIZE, CONTAINING THE NAME, TELEPHONE NUMBER, AND EMAIL ADDRESS OF THE APPROPRIATE STANFORD PERSON THE PUBLIC MAY CONTACT TO REGISTER A COMPLAINT ABOUT CONSTRUCTION NOISE. STANFORD SHALL KEEP A WRITTEN RECORD OF ALL SUCH COMPLAINTS AND SHALL PROVIDE COPIES OF THESE RECORDS TO THE COUNTY PLANNING OFFICE.
8. CONSTRUCTION MATERIALS AND FILL DIRT DELIVERED FROM OFF CAMPUS SHALL NOT BE DELIVERED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM ON WEEKDAYS.
9. TRUCKS EXPORTING/IMPORTING FILL DIRT AND BUILDING MATERIALS FOR THE PROJECT SHALL USE APPROVED TRUCK ROUTES SHOWN IN THE 2000 GUP, AS DESIGNATED BY THE CITIES OF PALO ALTO AND MENLO PARK.

GENERAL NOTES

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

DISCREPANCIES

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

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.

STREET CLEANING NOTE:

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

SHUT DOWN NOTE

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

EARTHWORK FOR CONSTRUCTION NOTE

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

DEMOLITION NOTES

1. CONTRACTOR SHALL PROVIDE LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR DEMOLISHING, CUTTING, CAPPING, REMOVING AND DISPOSING OF EXISTING IMPROVEMENTS AS DESIGNATED AND SHOWN ON THE DRAWINGS AND AS REQUIRED, UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AND SIDEWALKS AT THE NEAREST CONSTRUCTION JOINT OR SCORE LINE TO PROVIDE FOR NEW CONSTRUCTION.
3. CONTRACTOR SHALL DEMOLISH, ABANDON OR REROUTE EXISTING UTILITIES AS REQUIRED FOR NEW CONSTRUCTION. UTILITIES AND APPURTENANCES TO REMAIN WITHIN THE PROJECT LIMIT OF WORK SHALL BE PROTECTED.
4. CONTRACTOR SHALL MAINTAIN THE EXISTING SITE LIGHTING SYSTEM.
5. CONTRACTOR SHALL COORDINATE ALL UTILITY SHUT-DOWNS WITH THE OWNER'S REPRESENTATIVE.
6. ITEMS INDICATED TO BE SALVAGED SHALL BE REMOVED CAREFULLY, CLEANED AND DELIVERED TO THE OWNER. COORDINATE WITH THE OWNER'S REPRESENTATIVE.
7. CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

FLOODZONE

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

SOILS TYPES

BASED ON PREVIOUS GEOTECHNICAL INVESTIGATIONS BY SILICON VALLEY SOIL ENGINEERING FOR PREVIOUS STANFORD IMPROVEMENTS, THE CAMPUS SOILS CONSIST OF SANDY LEAN CLAY FILL UNDERLAIN BY STIFF TO VERY STIFF, FAT CLAY TO A VERY STIFF, LOW PLASTICITY SILTY CLAY, BELOW THE SURFICIAL FILL HARD, SANDY LEAN CLAYS OVERLYING INTERBEDDED LAYERS OF MEDIUM DENSE TO DENSE SANDS WITH VARIABLE AMOUNTS OF CLAY FINES AND GRAVEL, AND VERY STIFF TO HARD LEAN AND SANDY LEAN CLAYS.

GROUNDWATER

BASED ON PREVIOUS GEOTECHNICAL INVESTIGATION BY SILICON VALLEY SOIL ENGINEERING FOR PREVIOUS STANFORD IMPROVEMENTS, GROUND WATER WAS NOT ENCOUNTERED IN THEIR BORINGS OF 20 FEET.

FLUCTUATIONS IN GROUND WATER LEVELS OCCUR DUE TO MANY FACTORS INCLUDING SEASONAL FLUCTUATION, UNDERGROUND DRAINAGE PATTERNS, REGIONAL FLUCTUATIONS, AND OTHER FACTORS.

RECEIVING BODY OF WATER

STANFORD UNIVERSITY STORM DRAIN TO MATADERO CREEK, THEN TO SAN FRANCISCO BAY.

GENERAL NOTE

STENCIL ALL CATCH BASINS "NO DUMPING FLOWS TO CREEK" STORM WATER STENCILING. CONTACT CITY OF PALO ALTO FOR STENCILS.

CONSTRUCTION NOTES:

1. THE BAY AREA QUALITY MANAGEMENT DISTRICT (BAAQMD) HAS IDENTIFIED A SET OF FEASIBLE PMO CONTROL MEASURES FOR ALL CONSTRUCTION ACTIVITIES. THESE CONTROL MEASURES, AS PREVIOUSLY REQUIRED IN THE PROGRAM EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES. (MITIGATION MEASURE AQ.1)
 - A. WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
 - B. COVER ALL TRUCKS HAULING SOIL, SAND AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
 - C. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
 - D. SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT CONSTRUCTION SITES.
 - E. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIALS CARRIED ONTO ADJACENT PUBLIC STREETS.
 - F. HYDROSEED OR APPLY (NON-TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREAS (PREVIOUSLY GRADED AREAS INACTIVE FOR TEN DAYS OR MORE).
 - G. ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON-TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES (DIRT, SAND).
 - H. LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
 - I. INSTALL FIBER ROLLS, SAND BAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.
 - J. REPLANT VEGETATION IN DISTURBED AREAS AS QUICKLY AS POSSIBLE.
 - K. INSTALL WHEEL WASHERS FOR ALL EXITING TRUCKS, OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE, AND
 - L. SUSPEND EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.
2. ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT WHERE FEASIBLE. USE "CLEAN FUEL" EQUIPMENT AND EMISSIONS CONTROL TECHNOLOGY (E.G. CNG FIRED ENGINES, CATALYTIC CONVERTERS, PARTICULATE TRAPS, ETC.) MEASURES TO REDUCE DIESEL EMISSION WOULD BE CONSIDERED FEASIBLE WHEN THEY ARE CAPABLE OF BEING USED ON EQUIPMENT. WITHOUT INTERFERING SUBSTANTIALLY WITH EQUIPMENT PERFORMANCE. (MITIGATION MEASURE AQ-2).
3. CONSTRUCTION DELIVERY TIMES / ROUTES
 - A. CONSTRUCTION MATERIALS AND FILL DIRT DELIVERED FROM OFF CAMPUS SHALL NOT BE DELIVERED BETWEEN THE HOURS OF 7:00 AM AND 9:00 AM AND 4:00 PM TO 6:00 PM ON WEEKDAYS.
 - B. TRUCKS BRINGING IN FILL DIRT AND BUILDING MATERIALS FOR THE PROJECT FROM OFF-SITE SHALL BE REQUIRED TO USE TRUCK ROUTES SHOWN ON FIGURE 3 OF THE INITIAL STUDY AS DESIGNATED BY THE CITIES OF PALO ALTO AND MENLO PARK.
4. NOISE CONTROL
CONSTRUCTION PRACTICES SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA NOISE CONTROL ORDINANCE AND ARE TO BE MONITORED BY THE GENERAL CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE SUP REQUIRES THE FOLLOWING MEASURES TO REDUCE OPERATIONAL NOISE DURING CONSTRUCTION.
 - A. MECHANICAL EQUIPMENT WITHIN 50 FEET OF A RESIDENCE SHALL BE ACOUSTICALLY ENGINEERED.
 - B. THE BUILDING DESIGN SHALL INCORPORATE DESIGN MEASURES TO LOCATE NOISE SOURCES SUCH AS LOADING ZONES, TRASH BINS AND MECHANICAL EQUIPMENT AS FAR AWAY FROM NOISE SENSITIVE RECEPTORS AS POSSIBLE.
 - C. ALL OPERATIONAL NOISE SOURCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE.
 - D. THE CONTRACTOR SHALL COORDINATE PLANNED CLASSROOM RELOCATIONS PRIOR TO DEMOLITION OR SITE PREPARATION.
 - E. FOR CONSTRUCTION ACTIVITIES THAT WOULD AFFECT SENSITIVE NOISE RECEPTORS OFF-CAMPUS OR IN AREAS DESIGNATED CAMPUS RESIDENTIAL IN THE COMMUNITY PLAN, THE CONTRACTOR SHALL GIVE ADVANCED REGULAR NOTIFICATION OF CONSTRUCTION ACTIVITY SCHEDULED TO THE POTENTIALLY AFFECTED RESIDENTS.



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SILICON VALLEY TRI VALLEY CENTRAL VALLEY
SACRAMENTO EAST BAY SF

DATE FEBRUARY 20, 2018

CHAD J. BROWNING
R.C.E. NO. 68315, EXPIRES 9-30-19

STANFORD UNIVERSITY
SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

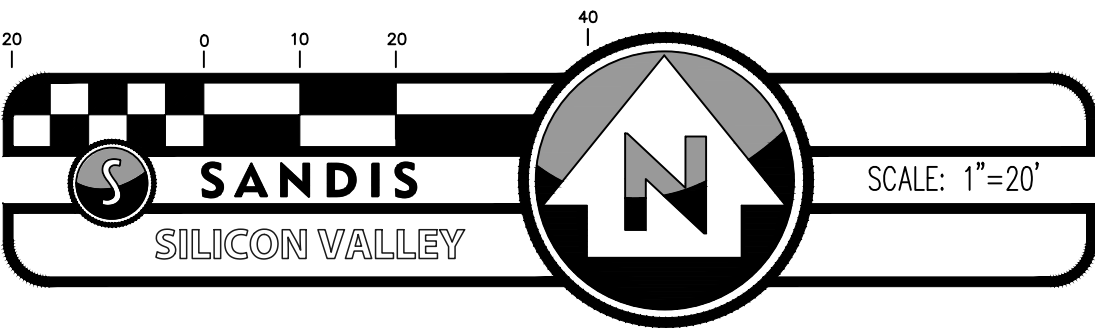
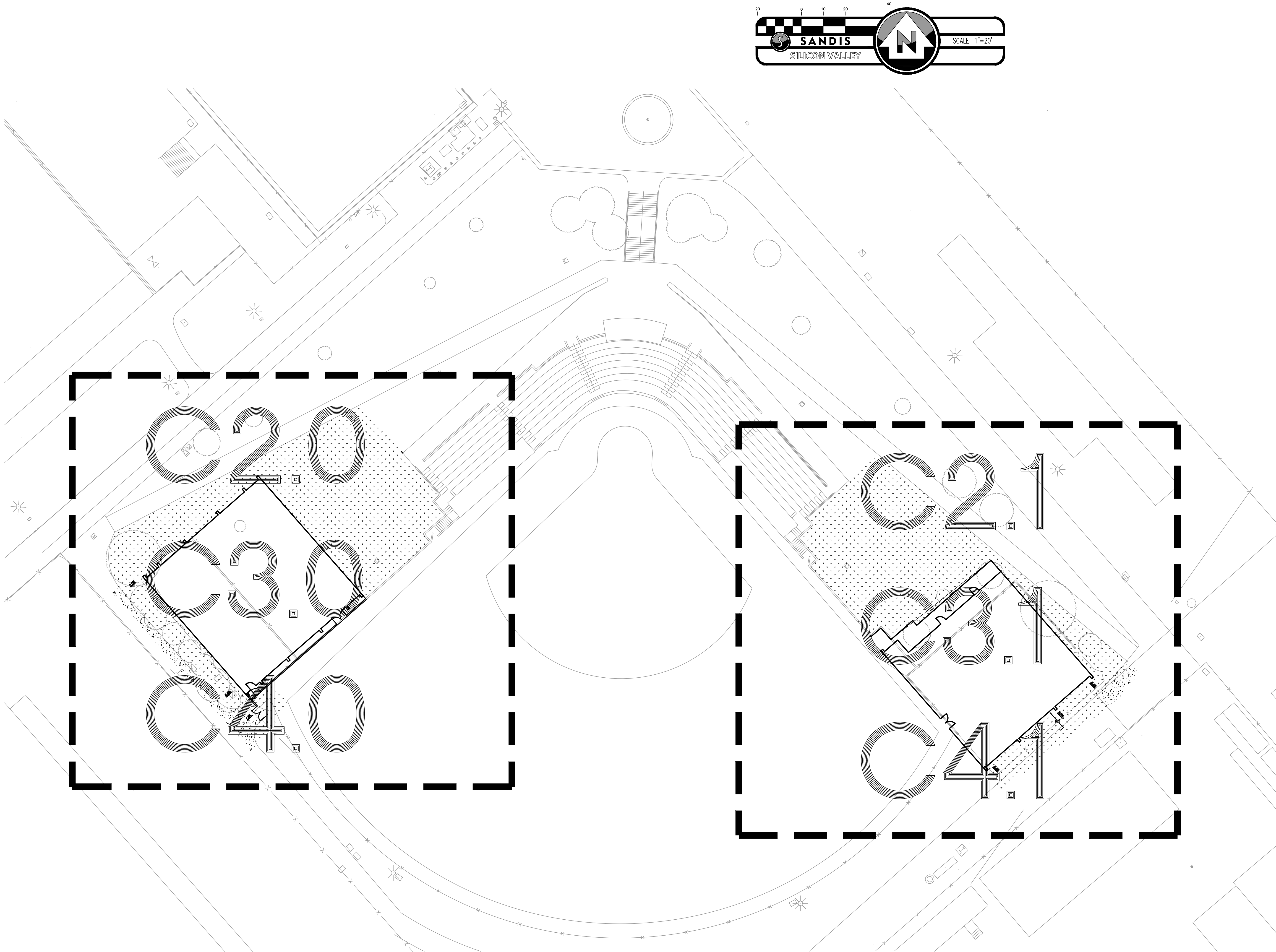
Issues and Revisions			
No.	Date	Issues and Revisions	By
	06/28/18	ASA SUBMITTAL	

CONSTRUCTION
NOTES

Project Number:	217126
Date:	06/28/2018
Scale	NO SCALE

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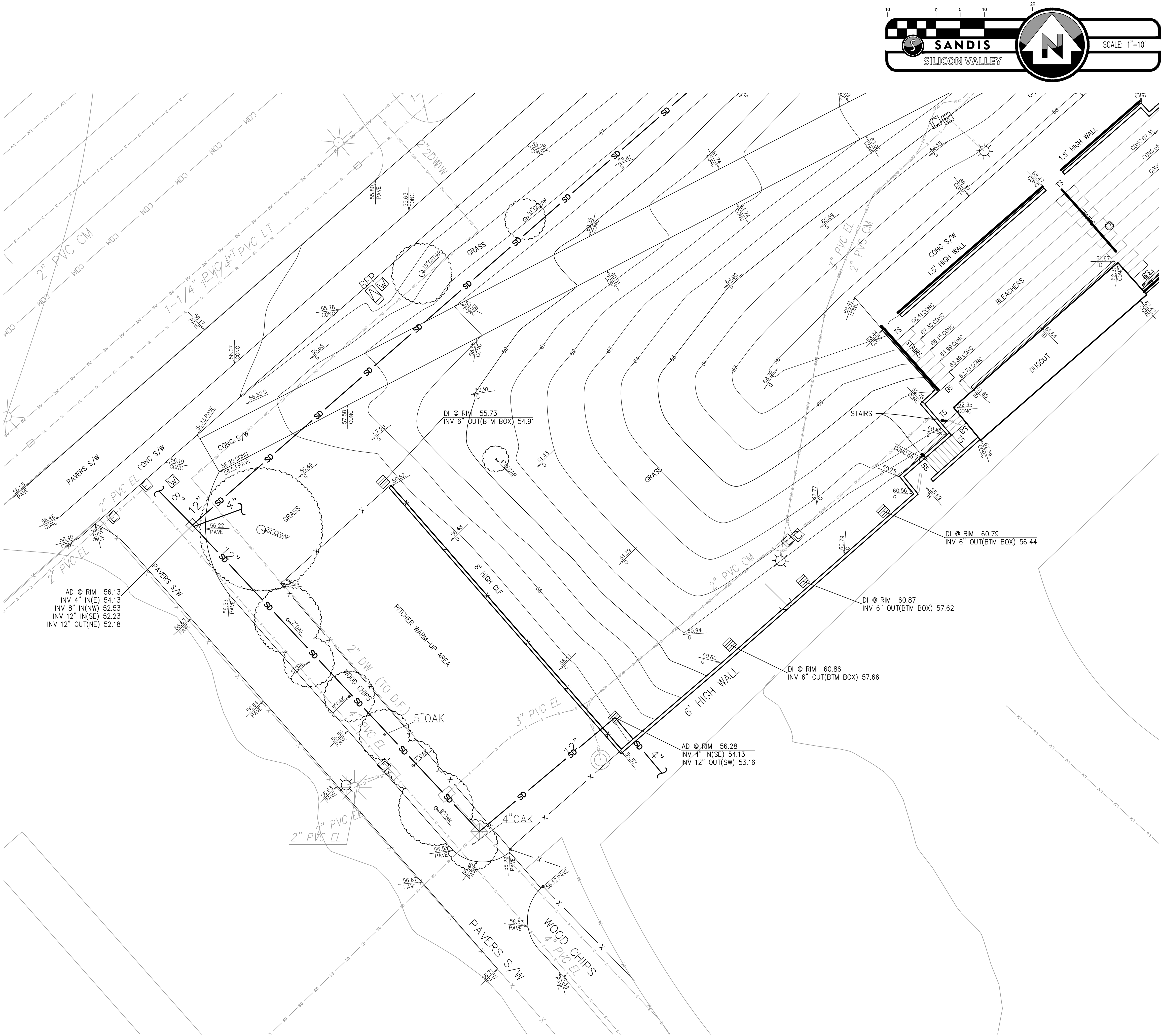
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KEYMAP

Project Number:	217126
Date:	06/28/2018
Scale:	1"=20'

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SURVEY NOTES

1. ALL DISTANCES AND DIMENSIONS ARE SHOWN IN FEET AND DECIMALS THEREOF.
2. DATES OF FIELD SURVEY: 12/27/2017-01/3/18

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)

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.

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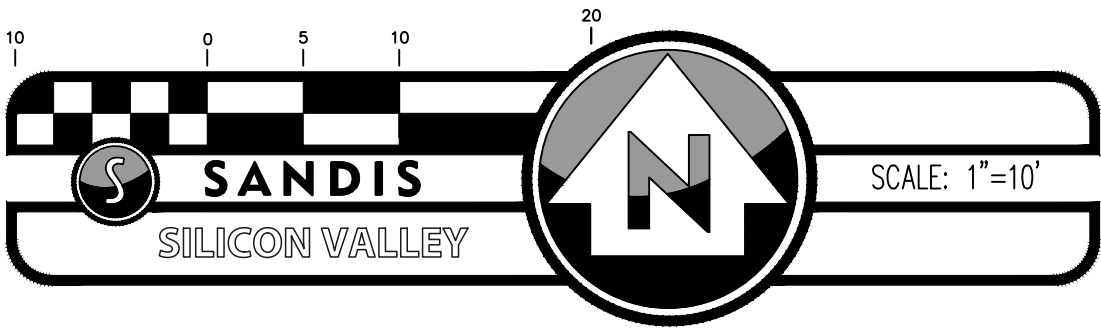
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**TOPOGRAPHIC
SURVEY**

Project Number: 217126
Date: 06/28/2018
Scale: 1"=10'

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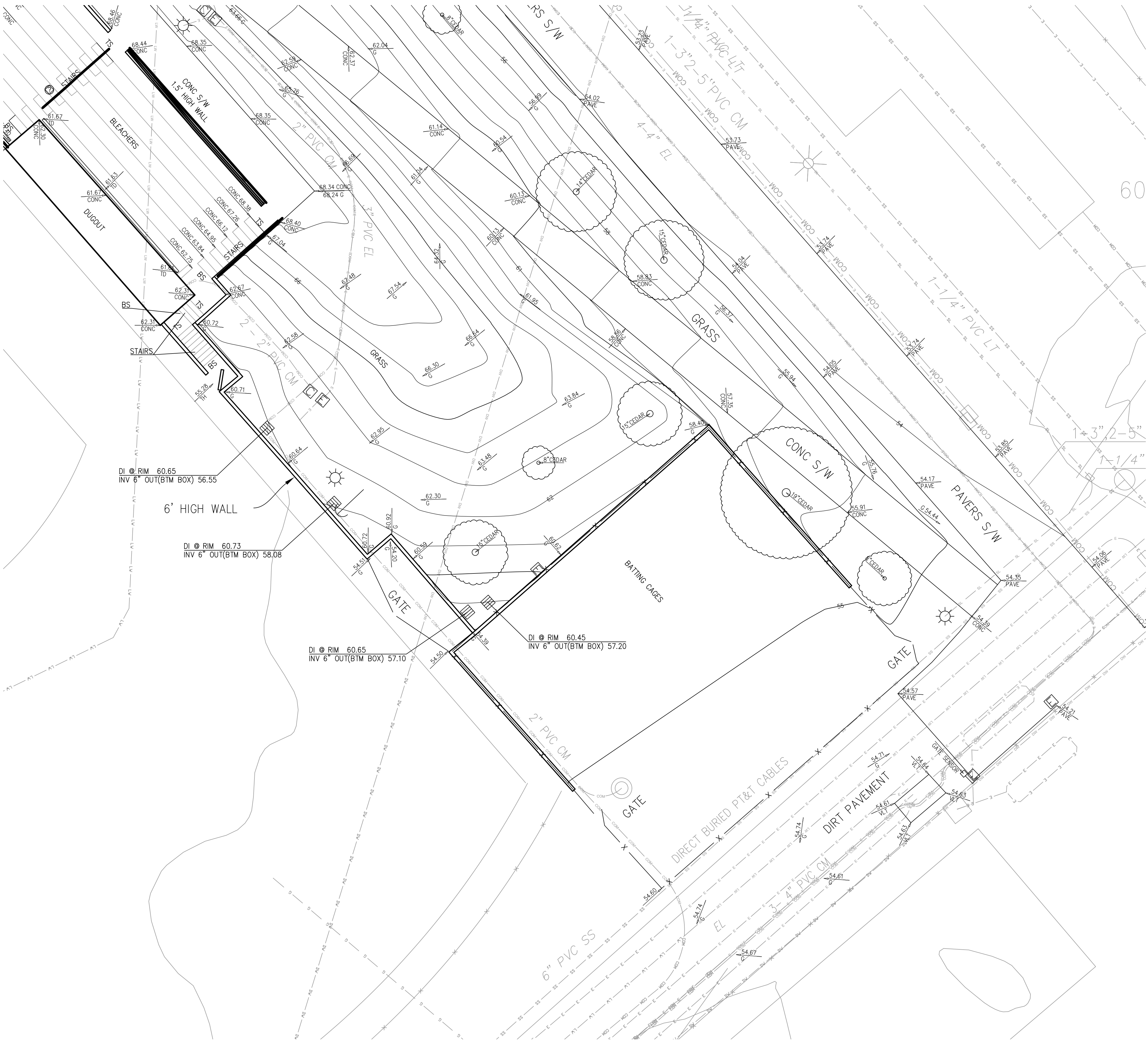
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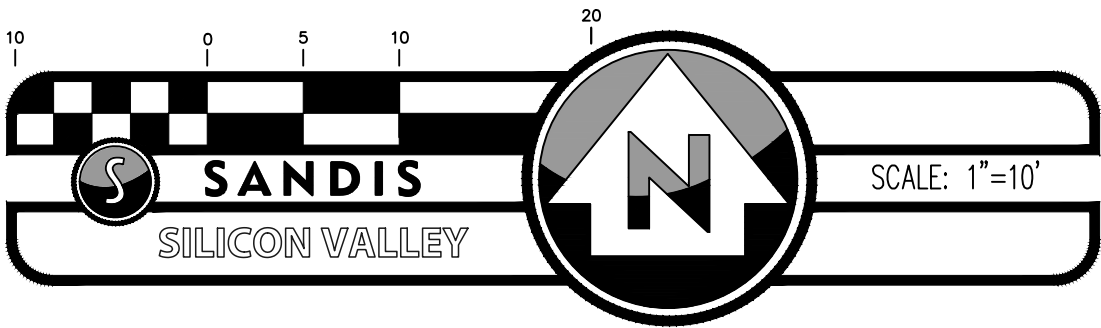
TOPOGRAPHIC SURVEY

Project Number: 217126
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DEMOLITION LEGEND

- CLEAR AND GRUB EXISTING LANDSCAPE AREA SO NO ORGANICS ARE STILL PRESENT.
- DEMOLISH EXISTING CONCRETE PAVEMENT.
- LIMIT OF WORK LINE.
- SAWCUT LINE.
- REMOVE EXISTING UTILITY, CUT AND CAP AT LOCATION SHOWN PER UTILITY OWNER'S REQUIREMENTS.
- REMOVE EXISTING FENCE INCLUDING ASSOCIATED FOOTINGS. RETURN FENCE TO OWNER.
- DEMOLISH EXISTING CONCRETE WALL ADJACENT TO SOFTBALL FIELD.
- CAP EXISTING UTILITY WHERE SHOWN PER UTILITY OWNERS SPECIFICATIONS AND REQUIREMENTS. IF PRESSURIZED UTILITY CONTRACTOR SHALL HAVE COMPETENT PROFESSIONAL DESIGN PIPE RESTRAINTS.
- REMOVE EXISTING TREE AND ROOTBALL. COORDINATE WITH LANDSCAPE ARCHITECT AND PROJECT ARBORIST PRIOR TO REMOVING ANY TREES.
- EXISTING TREE TO REMAIN, PROTECT IN PLACE. SEE LANDSCAPE PLANS, ARBORIST REPORT, AND SHEET C3.2 FOR TREE PROTECTION DETAILS.
- TREE TAG NUMBER IN CORRESPONDENCE WITH ARBORIST REPORT PRODUCED BY ARBOR RESOURCES DATED FEBRUARY 2, 2018

DEMOLITION NOTES

- CONTRACTOR SHALL INSTALL TREE PROTECTION FOR EXISTING TREES TO REMAIN. SEE LANDSCAPE DRAWINGS AND ARBORIST REPORT FOR TREE PROTECTION REQUIREMENTS.
- CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR ALL TRENCH BACKFILL RECOMMENDATIONS FOR ALL EXISTING UTILITIES THAT ARE TO BE REMOVED.
- CONTRACTOR TO DEMOLISH AND REMOVE ALL IRRIGATION IN LANDSCAPE AREAS WITHIN THE LIMIT OF WORK. IF ANY IRRIGATION LINES OR MAINS ARE IN THE LIMIT OF WORK OR ARE DAMAGED THAT SERVE LANDSCAPE TO REMAIN, CONTRACTOR TO RECONNECT OR RELOCATE AT NO ADDITIONAL COST TO OWNER.
- ALL UNDERGROUND UTILITIES, LANDSCAPE FEATURES, AND HARDSCAPE FEATURES NOT SHOWN TO BE REMOVED THAT ARE IMPACTED OR DAMAGED BY THE CONTRACTOR OR THEIR SUB-CONTRACTORS SHALL BE REMOVED AND REPLACED IN KIND. ITEMS MAY INCLUDE, BUT NOT LIMITED TO, UNDERGROUND UTILITY AND IRRIGATION LINES, CURB, GUTTER, SIDEWALK, PAVEMENT, FENCING, STRIPING AND OTHER PAVEMENT MARKINGS, PLANTING, LANDSCAPING, AND BOLLARDS.
- PROTECT ALL EXISTING UTILITIES IN PLACE UNLESS OTHERWISE NOTED. REPLACE ANY DAMAGED UTILITY TO REMAIN TO KEEP OPERABLE DURING CONSTRUCTION.
- THIS DEMOLITION PLAN IS NOT A COMPLETE INVENTORY OF UTILITIES OR STRUCTURES. CONTRACTOR SHALL CONTACT ENGINEER IF ANY UNKNOWN OR UNEXPECTED UTILITIES OR OTHER STRUCTURES ARE FOUND. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO PREPARE THE SITE FOR DEVELOPMENT.
- ALL UTILITY DEMOLITION TO BE DISCONNECTED AND CAPPED WHERE SHOWN ON THE PLAN PER UTILITY OWNERS SPECIFICATIONS AND STANDARDS.
- ALL UTILITY SHUT DOWNS ARE TO BE AVOIDED. IF SHUT DOWNS ARE NECESSARY, CONTRACTOR TO COORDINATE SHUT DOWN WITH UTILITY OWNER WITH 48 HOUR MINIMUM NOTICE.
- CONTRACTOR TO COORDINATE WITH PG&E WHEN WORKING AROUND UTILITY LINES AND HAVE APPROPRIATE PG&E PERSONNEL ON SITE AS REQUIRED.
- CONTRACTOR TO POTHOLE AND VERIFY ALL EX. UTILITIES PRIOR TO DEMOLITION.
- ALL EXISTING STORM DRAIN, SANITARY SEWER, AND WATER MAINS THAT SERVE EXISTING BUILDINGS MUST REMAIN OPERABLE DURING CONSTRUCTION. CONTRACTOR TO SET UP TEMPORARY SERVICE OR PUMP AS NECESSARY TO ENSURE UNINTERRUPTED SERVICE.

DATE FEBRUARY 20, 2018

CHAD J. BROWNING
R.C.E. NO. 68315, EXPIRES 9-30-19

STANFORD UNIVERSITY SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

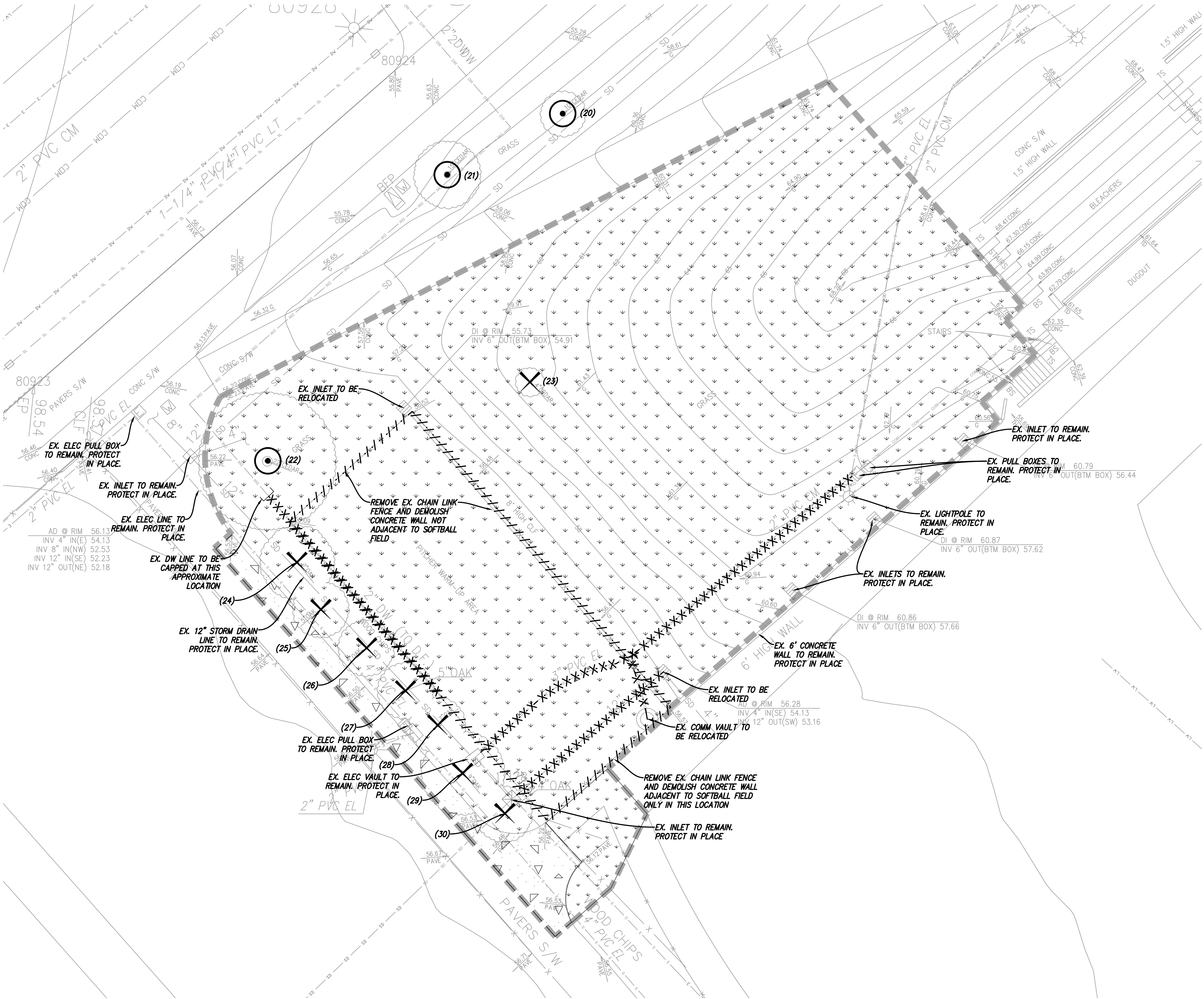
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DEMOLITION / TREE DISPOSITION PLAN

Project Number:	217126
Date:	06/28/2018
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DEMOLITION / TREE DISPOSITION PLAN

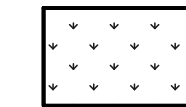
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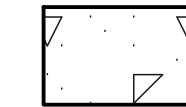
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DEMOLITION LEGEND



✓ CLEAR AND GRUB EXISTING LANDSCAPE AREA SO NO ORGANICS ARE STILL
✓ PRESENT.



DEMOLISH EXISTING CONCRETE PAVEMENT.

■ ■ ■ LIMIT OF WORK LINE.

— — — **SAWCUT LINE.**

-X-X-X-X- REMOVE EXISTING UTILITY, CUT AND CAP AT LOCATION SHOWN PER UTILITY OWNER'S REQUIREMENTS.

- /- /- /- REMOVE EXISTING FENCE INCLUDING ASSOCIATED FOOTINGS. RETURN FENCE TO OWNER.

~~~~~ DEMOLISH EXISTING CONCRETE WALL ADJACENT TO SOFTBALL FIELD.

E— CAP EXISTING UTILITY WHERE SHOWN PER UTILITY OWNERS SPECIFICATIONS AND REQUIREMENTS. IF PRESSURIZED UTILITY CONTRACTOR SHALL HAVE COMPETENT PROFESSIONAL DESIGN PIPE RESTRAINTS.

**X REMOVE EXISTING TREE AND ROOTBALL. COORDINATE WITH LANDSCAPE ARCHITECT AND PROJECT ARBORIST PRIOR TO REMOVING ANY TREES.**

 EXISTING TREE TO REMAIN, PROTECT IN PLACE. SEE LANDSCAPE PLANS, ARBORIST REPORT, AND SHEET C3.2 FOR TREE PROTECTION DETAILS.

(#) TREE TAG NUMBER IN CORRESPONDENCE WITH ARBORIST REPORT PRODUCED BY ARBOR RESOURCES DATED FEBRUARY 2, 2018

## DEMOLITION NOTES

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9. CONTRACTOR TO COORDINATE WITH PG&E WHEN WORKING AROUND UTILITY LINES AND HAVE APPROPRIATE PG&E PERSONNEL ON SITE AS REQUIRED.
10. CONTRACTOR TO POTHOLE AND VERIFY ALL EX. UTILITIES PRIOR TO DEMOLITION.
11. ALL EXISTING STORM DRAIN, SANITARY SEWER, AND WATER MAINS THAT SERVE EXISTING BUILDINGS SHALL REMAIN OPERABLE DURING CONSTRUCTION. CONTRACTOR TO SET UP TEMPORARY SERVICE OR PUMP AS NECESSARY TO ENSURE UNINTERRUPTED SERVICE.

TREE DISPOSITION TABLE

| TREE NO. | SPECIES        | DBH (IN.) | DISPOSITION |
|----------|----------------|-----------|-------------|
| 1        | DEODAR CEDAR   | 8         | REMOVE      |
| 2        | DEODAR CEDAR   | 19        | REMOVE      |
| 3        | DEODAR CEDAR   | 15        | REMOVE      |
| 4        | DEODAR CEDAR   | 8         | REMOVE      |
| 5        | DEODAR CEDAR   | 15        | REMOVE      |
| 6        | DEODAR CEDAR   | 15        | PROTECT     |
| 7        | DEODAR CEDAR   | 14        | PROTECT     |
| 8        | DEODAR CEDAR   | 8         | PROTECT     |
| 9        | DEODAR CEDAR   | 10        | PROTECT     |
| 10       | DEODAR CEDAR   | 13        | PROTECT     |
| 11       | DEODAR CEDAR   | 10        | PROTECT     |
| 12       | DEODAR CEDAR   | 17        | PROTECT     |
| 13       | DEODAR CEDAR   | 13        | PROTECT     |
| 14       | DEODAR CEDAR   | 17        | PROTECT     |
| 15       | DEODAR CEDAR   | 14        | PROTECT     |
| 16       | DEODAR CEDAR   | 16        | PROTECT     |
| 17       | DEODAR CEDAR   | 7         | PROTECT     |
| 18       | DEODAR CEDAR   | 4         | PROTECT     |
| 19       | DEODAR CEDAR   | 8         | PROTECT     |
| 20       | DEODAR CEDAR   | 10        | PROTECT     |
| 21       | DEODAR CEDAR   | 15        | PROTECT     |
| 22       | DEODAR CEDAR   | 22        | PROTECT     |
| 23       | DEODAR CEDAR   | 4         | REMOVE      |
| 24       | COAST LIVE OAK | 7         | REMOVE      |
| 25       | COAST LIVE OAK | 5         | REMOVE      |
| 26       | COAST LIVE OAK | 5         | REMOVE      |
| 27       | COAST LIVE OAK | 5         | REMOVE      |
| 28       | COAST LIVE OAK | 7         | REMOVE      |
| 29       | COAST LIVE OAK | 9         | REMOVE      |
| 30       | COAST LIVE OAK | 4         | REMOVE      |

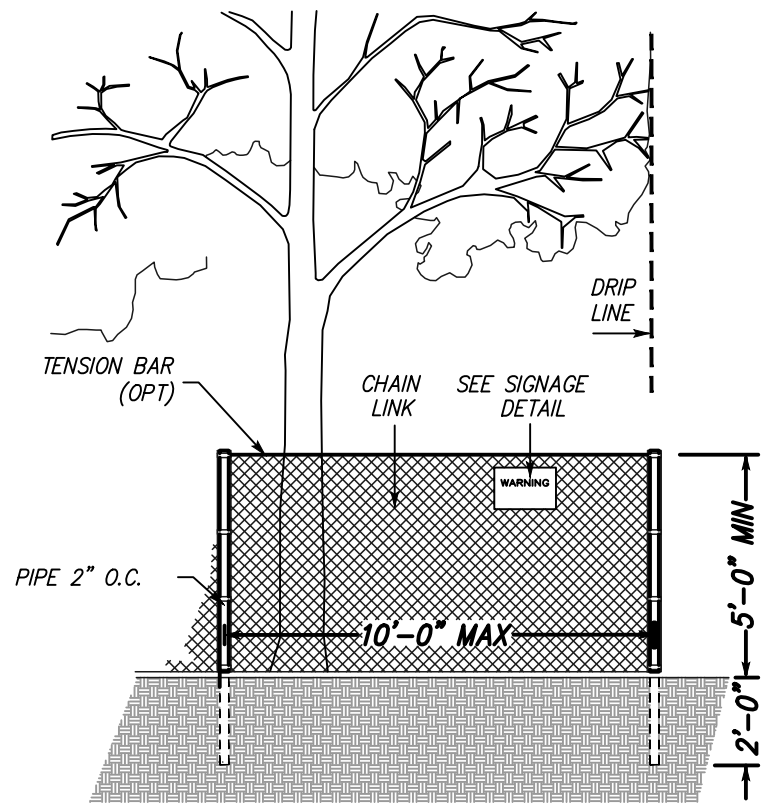
NOTE:  
 TREE NUMBERING ON PLANS AND TREE DISPOSITION TABLE ARE IN CORRESPONDENCE WITH THE ARBORIST REPORT PREPARED BY DAVID L. BABBY WITH ARBOR RESOURCES DATED FEBRUARY 2, 2018

TREE PROTECTION NOTES

- THE GENERAL CONTRACTOR SHALL TAKE THE FOLLOWING STEPS TO PRESERVE AND PROTECT ALL EXISTING TREES SHOWN TO REMAIN:
  - PRIOR TO COMMENCEMENT OF DEMOLITION, GRADING AND CONSTRUCTION, TEMPORARY FENCING SHALL BE INSTALLED AT THE DRIP LINE OF EACH TREE TO BE PRESERVED. REFER TO DETAIL, FENCED AREAS SHALL NOT BE VIOLATED DURING CONSTRUCTION.
  - ALL EXISTING ON SITE TREES INDICATED TO REMAIN SHALL BE TRIMMED BY A LICENSED ARBORIST FOUR WEEKS PRIOR TO COMMENCEMENT OF DEMOLITION OF GRADING OPERATIONS. ALL BROKEN OR BRUISED BRANCHES AND DEAD WOOD SHALL BE REMOVED. ALL CUTS OVER ¾" DIAMETER SHALL BE PAINTED WITH "TREE SEAL" OR APPROVED EQUAL. IN NO CASE SHALL ANY TREE BE TOPPED.
  - ALL EXISTING ON SITE TREES INDICATED TO REMAINS SHALL BE FERTILIZED BY ROOT INJECTION BY A LICENSED ARBORIST FOUR WEEKS PRIOR TO COMMENCEMENT OF GRADING OR DEMOLITION OPERATIONS.
- ALL EXISTING ON-SITE TREES INDICATED TO REMAIN SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. NO GRADING IS PERMITTED WITHIN THE DRIP-LINE OF ANY TREE INDICATED TO REMAIN. NO DEBRIS OR MATERIALS SHALL BE STOCKPILED AROUND THE BASE OF THE TREES. NO TRADESMAN SHALL DUMP DEBRIS OR FLUIDS WITHIN THE DRIP-LINE OF ANY TREES (PLASTER, PAINT, THINNER, ETC.). ALL TREES SHALL BE FENCED BY THE GENERAL CONTRACTOR TO AVOID COMPACTION OF THE TREE'S ROOT SYSTEM AND DAMAGE TO THE BARK. THE FENCE SHALL BE SIX FEET HIGH, AND EXTEND OUT TO THE DRIP-LINE OF THE TREE.
- ALL EXISTING ON-SITE TREES INDICATED TO REMAIN SHALL BE WATERED BY THE GENERAL CONTRACTOR CONTINUOUSLY DURING THE COURSE OF CONSTRUCTION. IF POTABLE WATER IS NOT AVAILABLE ON THE SITE, A WATERING TRUCK SHALL BE EMPLOYED TO ACCOMPLISH THE WATERING.
- DO NOT DISTURB SURFACE SOIL WITHIN TREE DRIP-LINE EXCEPT AS MANDATED BY CONSTRUCTION PLANS.
- DURING PERIODS OF EXTENDED DROUGHT, SPRAY WOAK TREES TO REMOVE ACCUMULATED CONSTRUCTION.
- GRADE IN LINES RADIAL TO THE EXISTING TREE RATHER THAN TANGENTIAL. IF ROOTS ARE ENCOUNTERED WHILE GRADING, CUT THEM CLEANLY WITH A SAW. DO NOT RIP THEM WITH GRADING EQUIPMENT.
- DO NOT ATTEMPT DEMOLITION OF TREES WITH GRADING EQUIPMENT WHEN TREES THAT ARE TO BE PRESERVED ARE IN THE VICINITY.

TREE REMOVAL NOTES

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



NOTES:

- 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.
- FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN-LINK OR EQUIVALENT STRENGTH/ DURABILITY).
- FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
- TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD, INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL INSPECTION.
- A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

TREE PROTECTION DETAIL

N.T.S.

1

SHEET NOTES

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

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SILICON VALLEY TRI VALLEY CENTRAL VALLEY  
 SACRAMENTO EAST BAY, SF

DATE FEBRUARY 20, 2018

CHAD J. BROWNING  
 R.C.E. NO. 68315, EXPIRES 9-30-19

STANFORD UNIVERSITY  
SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

Issues and Revisions

| No. | Date     | Issues and Revisions | By |
|-----|----------|----------------------|----|
|     | 06/28/18 | ASA SUBMITTAL        |    |

DEMOLITION / TREE  
DISPOSITION NOTES

Project Number: 217126  
 Date: 06/28/2018  
 Scale: N/A

C3.2

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1. PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING ALL HARDCAPE SURFACES AT 2% AND LANDSCAPE SURFACES AT 5% AWAY FROM STRUCTURES UNLESS OTHERWISE NOTED ON PLANS.
2. STRUCTURE WALLS: PER CBC 2304.11.2.2 (WOOD SUPPORTED BY FOUNDATION) PROVIDE 8" MINIMUM CLEAR TO EXTERIOR GRADE.
3. ALL FILL, IMPORT SOILS AND GRADING SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT PERFORMED BY TBD, DATED TBD, PROJECT NUMBER TBD
4. COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND SITE LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASEROCK OR CONCRETE SURFACING. SEE LANDSCAPING AND SITE ELECTRICAL DRAWINGS.
5. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05', HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE #1 OR THE ADA REQUIREMENTS BELOW. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER/ARCHITECT.
6. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
8. ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTORS EXPENSE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
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11. THE RISE/ RUN/ STEP COUNT IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND BUILDING CODE COMPLIANCE PRIOR TO ANY WORK.
12. AREAS LACKING TOPOGRAPHIC INFORMATION (ELEVATIONS) HAVE BEEN INTERPOLATED USING STANDARD ENGINEERING METHOD. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AT CONFORMS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REPORT BACK ANY DISCREPANCIES TO THE CIVIL ENGINEER.
13. ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.

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SACRAMENTO EAST BAY/ SF

DATE FEBRUARY 20, 2018

CHAD J. BROWNING  
R.C.E. NO. 68315, EXPIRES 9-30-19

# STANFORD UNIVERSITY

## SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

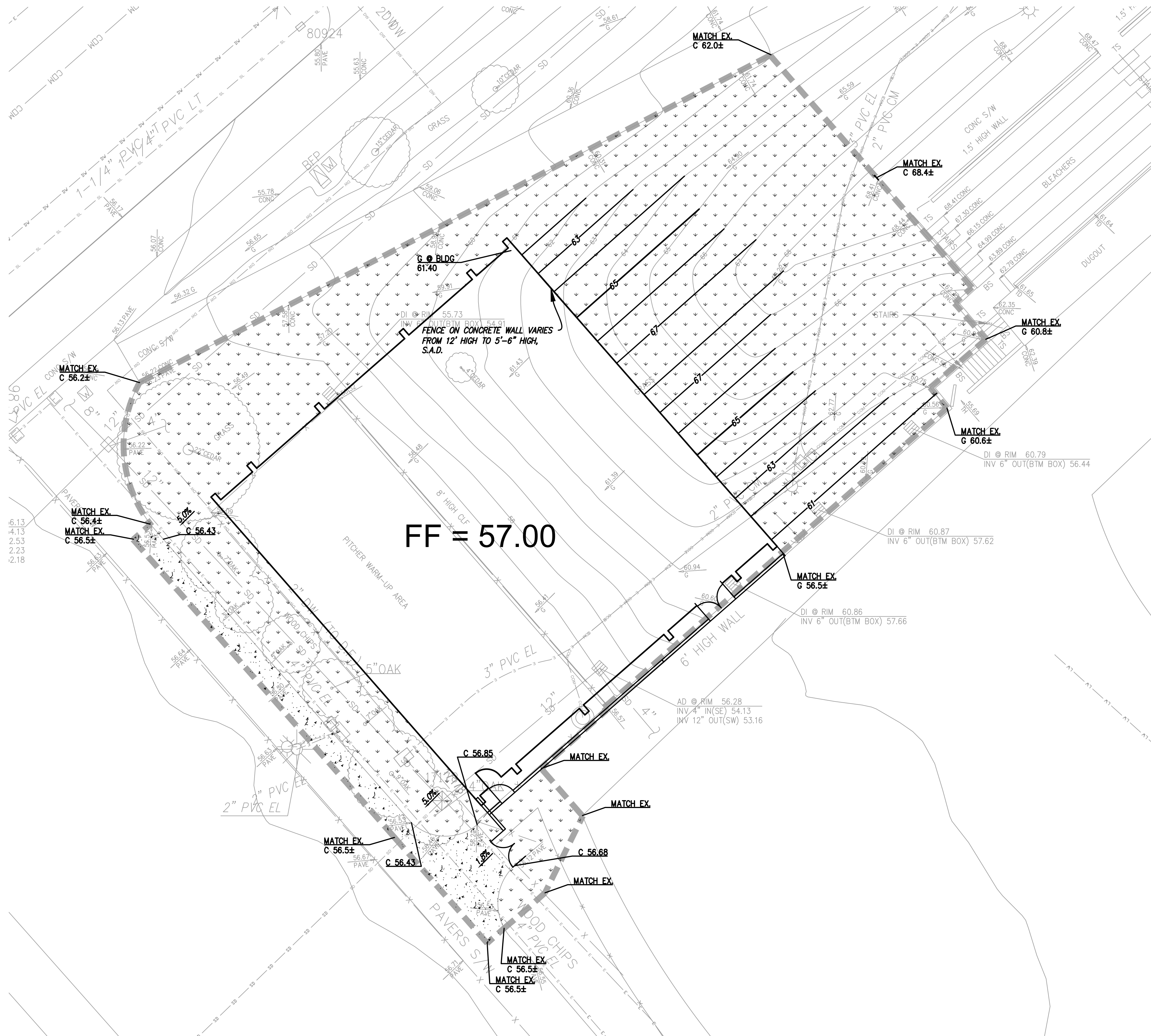
| Issues and Revisions |          |                      |    |
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| No.                  | Date     | Issues and Revisions | By |
|                      | 06/28/18 | ASA SUBMITTAL        |    |

# GRADING AND DRAINAGE PLAN

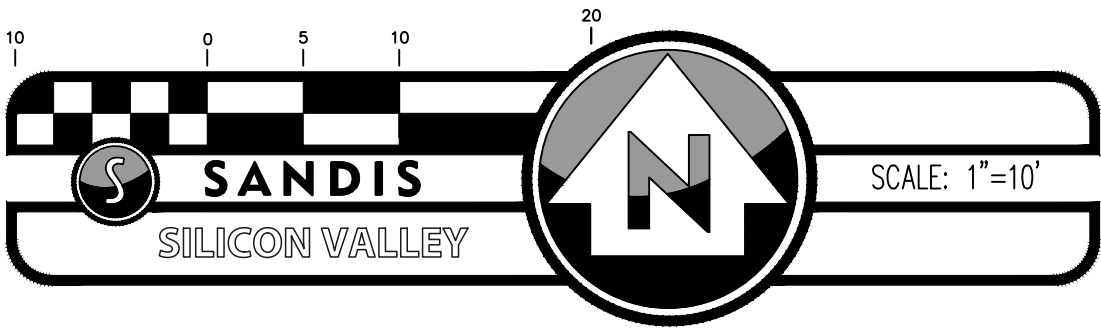
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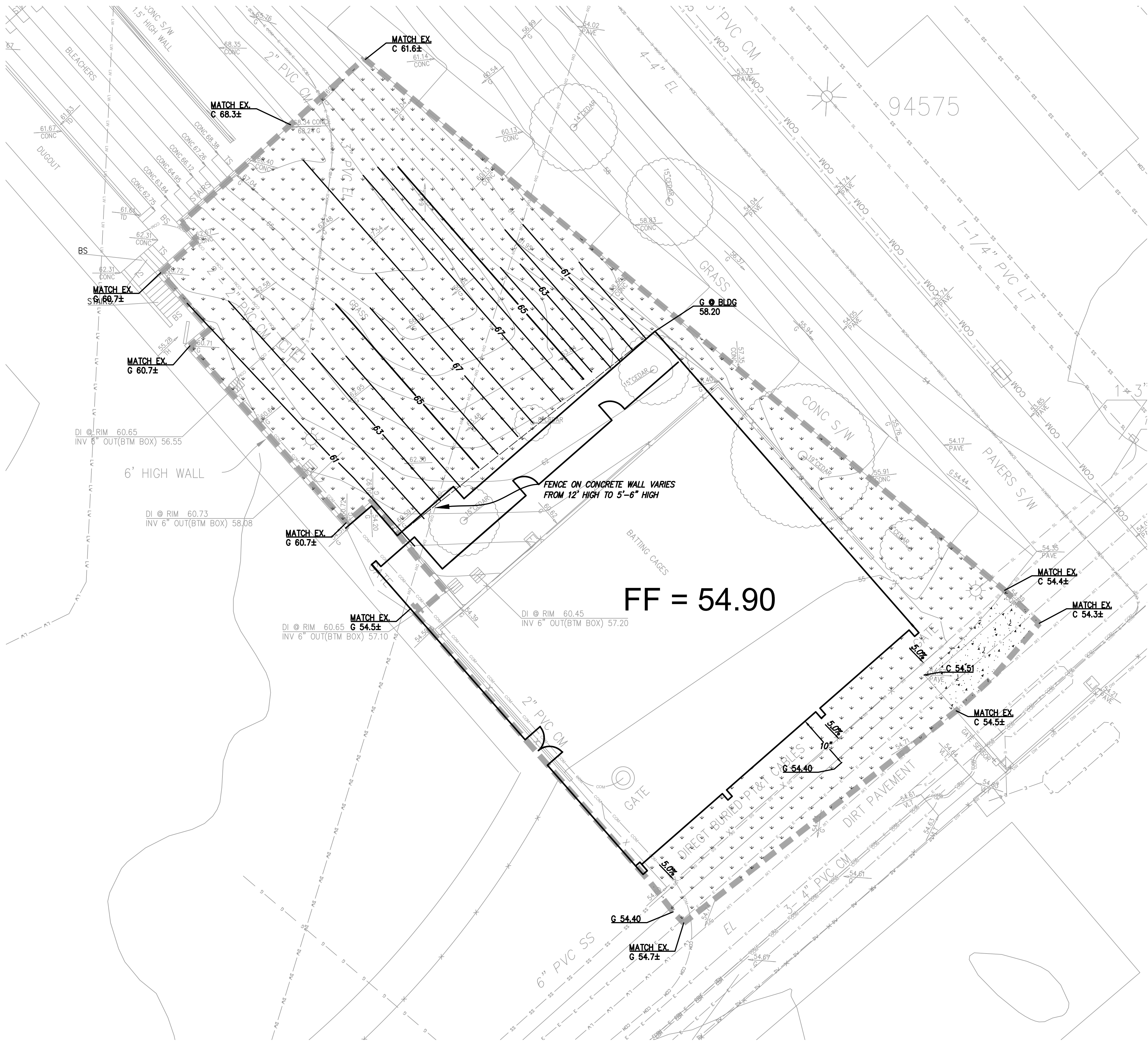


GRADING PLAN LEGEND

- LANDSCAPE AREA, SEE LANDSCAPE PLANS FOR DETAILS
- CONCRETE PAVING
- LIMIT OF WORK

GRADING NOTES

1. PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING ALL HARDSCAPE SURFACES AT 2% AND LANDSCAPE SURFACES AT 5% AWAY FROM STRUCTURES UNLESS OTHERWISE NOTED ON PLANS.
2. STRUCTURE WALLS: PER CBC 2304.11.2.2 (WOOD SUPPORTED BY FOUNDATION) PROVIDE 8" MINIMUM CLEAR TO EXTERIOR GRADE.
3. ALL FILL, IMPORT SOILS AND GRADING SHALL BE IN CONFORMANCE WITH THE GEOTECHNICAL REPORT PERFORMED BY TBD, DATED TBD, PROJECT NUMBER TBD
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5. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05', HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE #1 OR THE ADA REQUIREMENTS BELOW. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER/ARCHITECT.
6. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT.
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13. ADJUST ANY MANHOLE OR UTILITY STRUCTURES TO PROPOSED GRADE PRIOR TO INSTALLING FINAL LIFT OF AC OR POURING CONCRETE.



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SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

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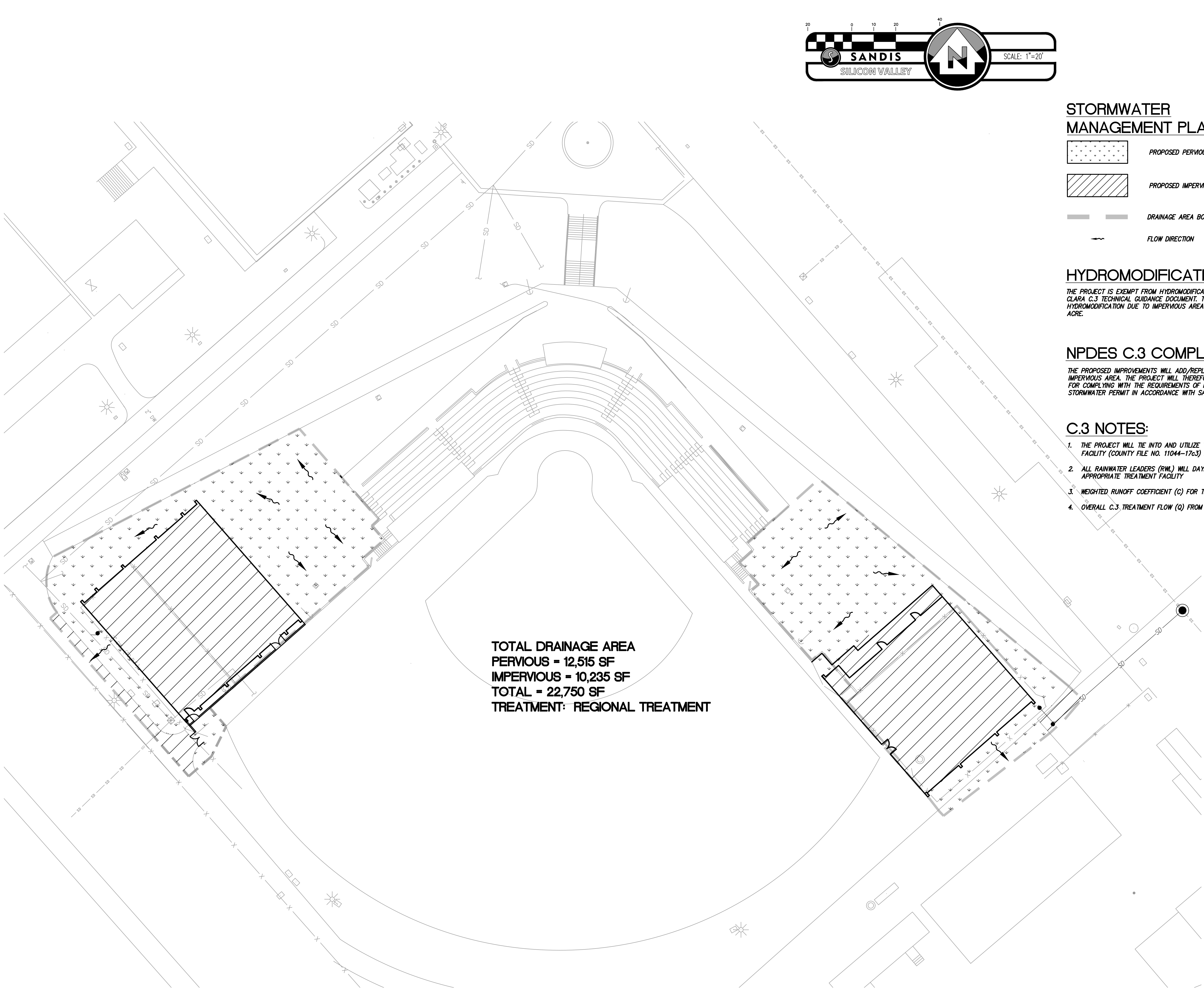
GRADING AND  
DRAINAGE PLAN

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| Project Number: | 217126     |
| Date:           | 06/28/2018 |
| Scale           | 1"=10'     |

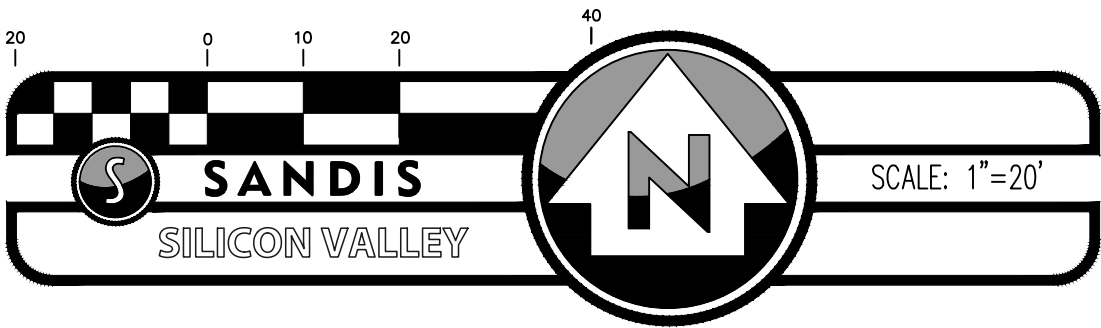
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TOTAL DRAINAGE AREA  
PERVIOUS = 12,515 SF  
IMPERVIOUS = 10,235 SF  
TOTAL = 22,750 SF  
TREATMENT: REGIONAL TREATMENT



STORMWATER  
MANAGEMENT PLAN LEGEND

- PROPOSED PERVIOUS AREA
- PROPOSED IMPERVIOUS AREA
- DRAINAGE AREA BOUNDARY
- FLOW DIRECTION

HYDROMODIFICATION NOTE:

THE PROJECT IS EXEMPT FROM HYDROMODIFICATION REQUIREMENTS PER THE SANTA CLARA C.3 TECHNICAL GUIDANCE DOCUMENT. THE PROJECT IS EXEMPT FROM HYDROMODIFICATION DUE TO IMPERVIOUS AREA ADDED OR REPLACED BEING LESS THAN 1 ACRE.

NPDES C.3 COMPLIANCE

THE PROPOSED IMPROVEMENTS WILL ADD/REPLACE MORE THAN 10,000 SQUARE FEET OF IMPERVIOUS AREA. THE PROJECT WILL THEREFORE PRESENT METHODS AND CALCULATIONS FOR COMPLYING WITH THE REQUIREMENTS OF PROVISION C.3 OF THE MUNICIPAL REGIONAL STORMWATER PERMIT IN ACCORDANCE WITH SANTA CLARA COUNTY

C.3 NOTES:

- THE PROJECT WILL TIE INTO AND UTILIZE THE FELT LAKE REGIONAL TREATMENT FACILITY (COUNTY FILE NO. 11044-1763) FOR C.3 COMPLIANCE.
- ALL RAINWATER LEADERS (RWL) WILL DAYLIGHT OR BE UNDERGROUND PIPED TO THE APPROPRIATE TREATMENT FACILITY
- WEIGHTED RUNOFF COEFFICIENT (C) FOR THE PROPOSED SITE IS 0.575
- OVERALL C.3 TREATMENT FLOW (Q) FROM THE PROPOSED SITE IS 0.05 CFS

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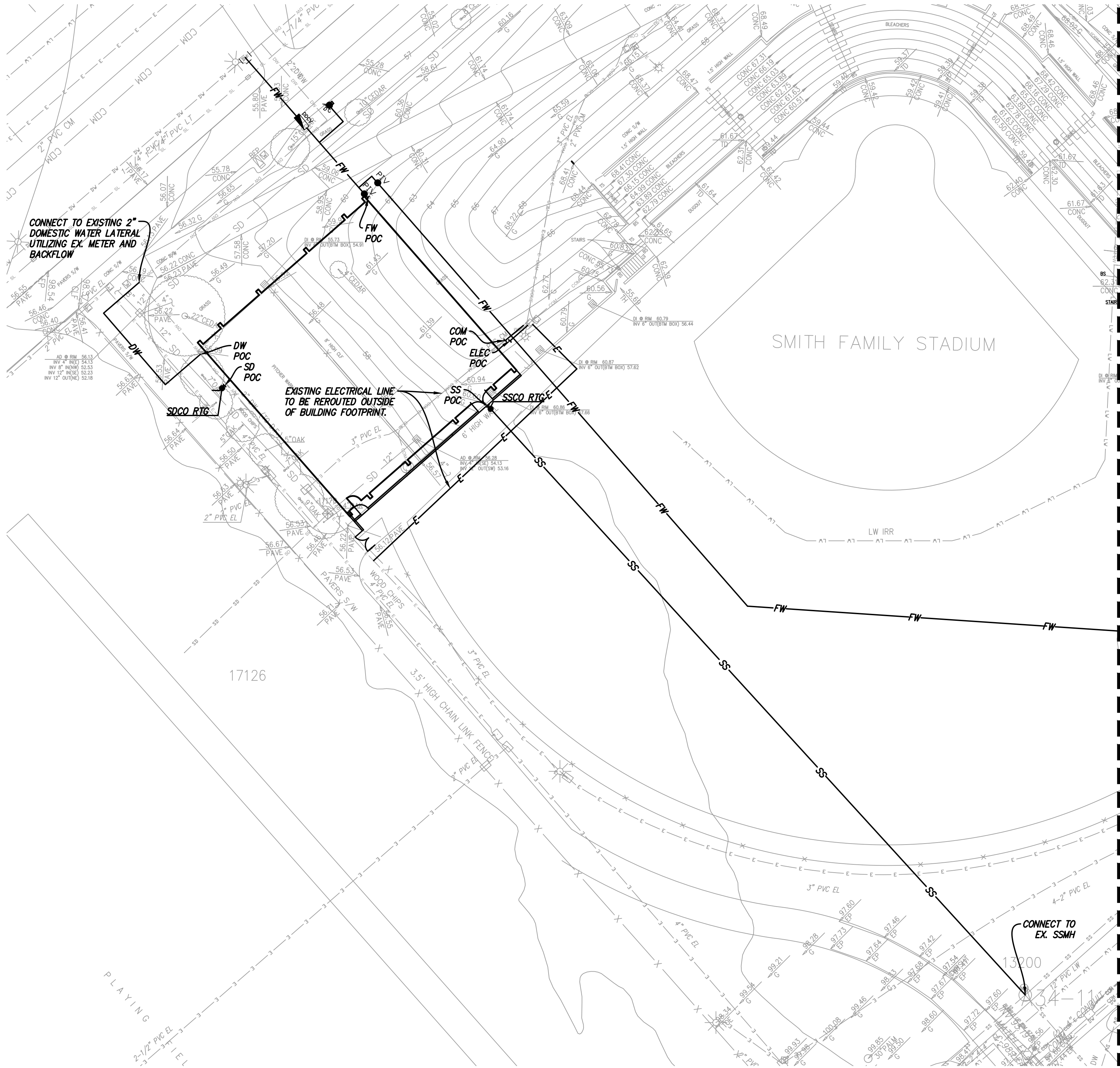
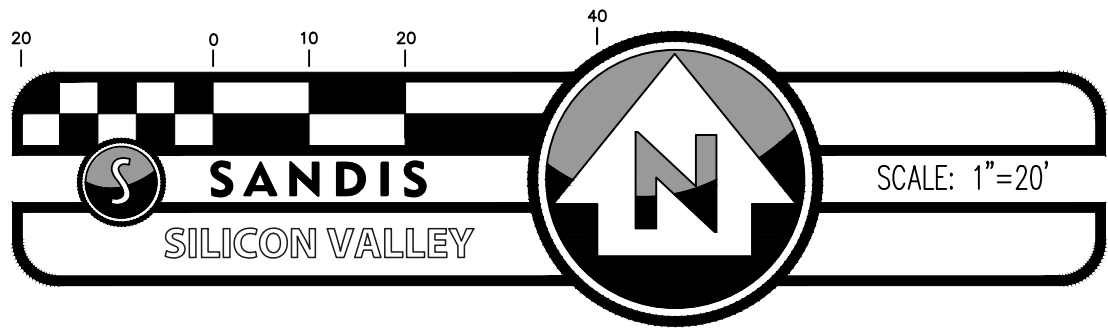
STORMWATER  
MANAGEMENT PLAN

Project Number: 217126  
Date: 06/28/2018  
Scale: 1"=20'

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MATCHLINE - SEE SHEET C5.1

### LEGEND

|      |                                       |
|------|---------------------------------------|
| SD   | STORM DRAIN LINE                      |
| SS   | SANITARY SEWER LINE                   |
| DW   | DOMESTIC WATER LINE                   |
| FW   | FIRE WATER LINE                       |
| E    | ELECTRICAL LINE                       |
| DDCV | DOUBLE DETECTOR CHECK VALVE           |
| BFP  | BACK FLOW PREVENTOR                   |
| FD   | FIRE DEPARTMENT CONNECTION            |
| PIV  | POST INDICATOR VALVE                  |
| WM   | WATER METER                           |
| SDM  | STORM DRAIN MANHOLE                   |
| SSM  | SANITARY SEWER / STORM DRAIN CLEANOUT |

### STORM DRAIN NOTES

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

### SANITARY SEWER NOTES

- ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
- PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
- IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

### WATER SYSTEM NOTES

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

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### UTILITY PLAN

Project Number: 217126  
Date: 06/28/2018  
Scale: 1"=20'

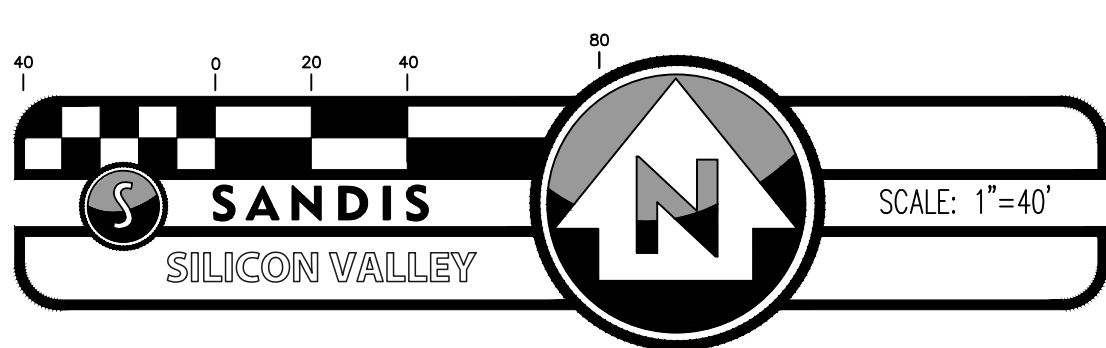
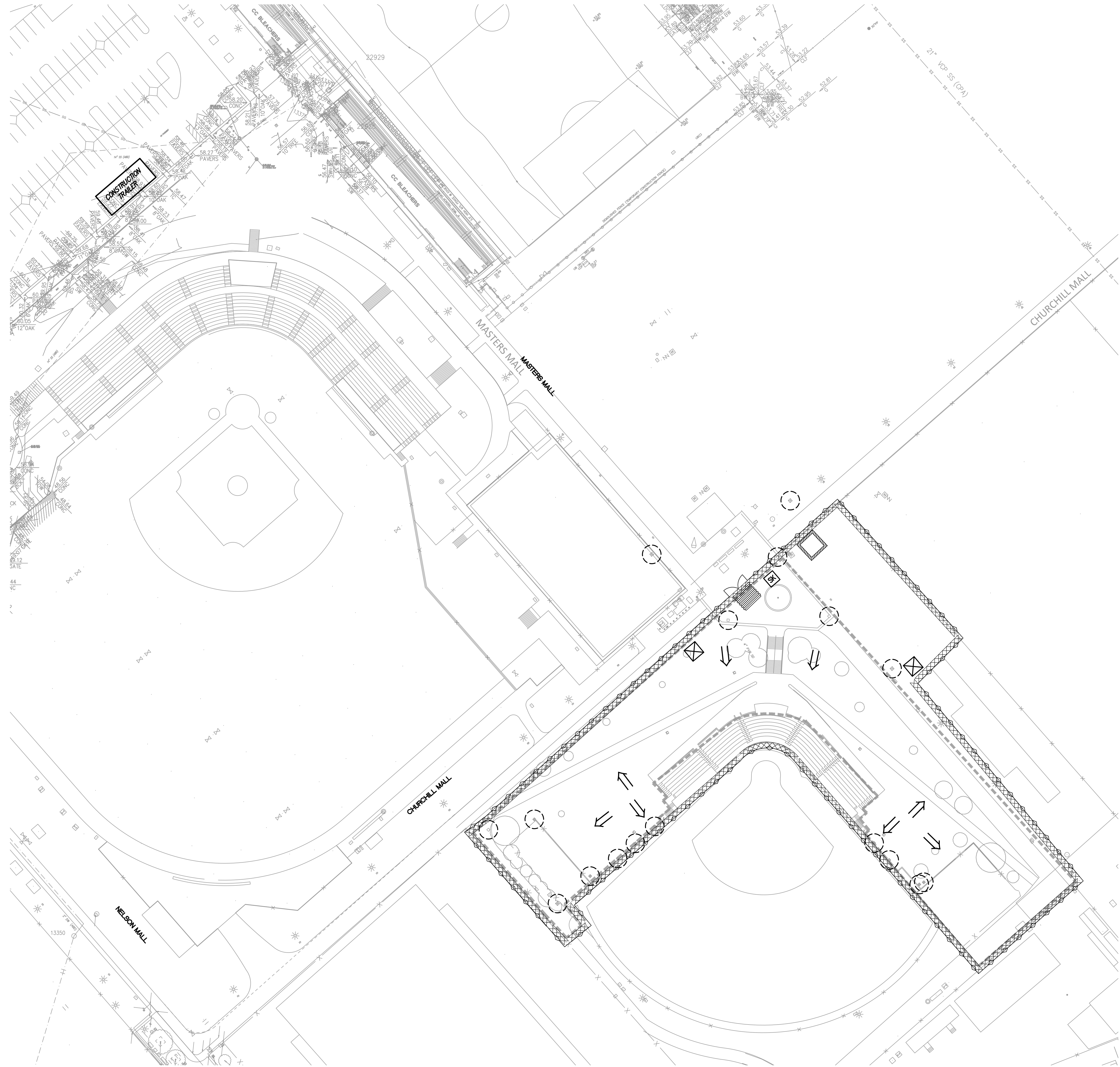
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LEGEND

- STABILIZED EXIT 3  
C6.1
- CONCRETE WASHOUT 2  
C6.2
- SPILL KIT
- PORTABLE RESTROOM
- CONSTRUCTION TRAILER
- PATH OF SURFACE DRAINAGE
- FIBER ROLL 1  
C6.2
- SILT FENCE 2  
C6.1
- INLET PROTECTION 4  
C6.2 6  
C6.2 8  
C6.2
- APPROXIMATE AREA OF CONSTRUCTION DISTURBANCE

WATER POLLUTION CONTROL NOTES:

- TEMPORARY CONSTRUCTION ENTRANCE/EXIT LOCATION SHOWN IS APPROXIMATE. CONTRACTOR TO PROVIDE LOCATION WHERE APPROPRIATE.
- THIS PLAN REPRESENTS POSSIBLE WATER POLLUTION CONTROL MEASURES INCLUDING EROSION CONTROL AND SEDIMENT CONTROL.
- EXISTING SURFACES SHALL BE UNDISTURBED TO THE EXTENT PRACTICAL.
- GROUND WATER SHALL NOT BE DISCHARGED WITH STORM WATER. GROUND WATER DEWATERING OPERATIONS SHALL BE COORDINATED AS NEEDED WITH OWNER.
- 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.
- ALL EROSION CONTROL AND SEDIMENT CONTROLS TO BE OBTAINED INSTALLED AND MAINTAINED AS REQUIRED IN PROJECT SWPPP.
- CONTRACTOR TO INSTALL RUN-ON AND RUN-OFF CONTROL MEASURES ACCORDING TO PLANS OR AS NECESSARY TO ENSURE SEDIMENT IS NOT TRANSPORTED FROM SITE.
- CONTRACTOR TO PROVIDE BACK-UP EROSION PREVENTION MEASURES (SOIL STABILIZATION) WITH SEDIMENT CONTROL MEASURES SUCH AS STRAW WATTLES, SILT FENCE, GRAVEL INLET FILTERS, AND/OR SEDIMENT TRAPS OR BASINS. ENSURE CONTROL MEASURES ARE ADEQUATE, IN PLACE, AND IN OPERABLE CONDITIONS. SEDIMENT CONTROLS, INCLUDING INLET PROTECTION, ARE NECESSARY BUT SHOULD BE A SECONDARY DEFENSE BEHIND GOOD EROSION CONTROL MEASURES.
- STOCKPILE LOCATION(S) TO BE DETERMINED BY THE CONTRACTOR. COORDINATE WITH SITE OSP.
- ALL CONCRETE TRUCKS TO USE CHUTE WASH BUCKETS FOR CONCRETE RINSE, ALL CONCRETE PUMPS TO CAPTURE CONCRETE RINSE IN SECONDARY CONTAINMENT AND PROPERLY DISPOSE.
- 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.
- 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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SACRAMENTO EAST BAY SF

DATE FEBRUARY 20, 2018

CHAD J. BROWNING  
R.C.E. NO. 68315, EXPIRES 9-30-19

STANFORD UNIVERSITY  
SOFTBALL STADIUM IMPROVEMENTS

STANFORD, CA

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EROSION CONTROL  
PLAN

Project Number: 217126  
Date: 06/28/2018  
Scale: 1"=40'

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EROSION CONTROL  
DETAILS

Project Number: 217126  
Date: 06/28/2018  
Scale

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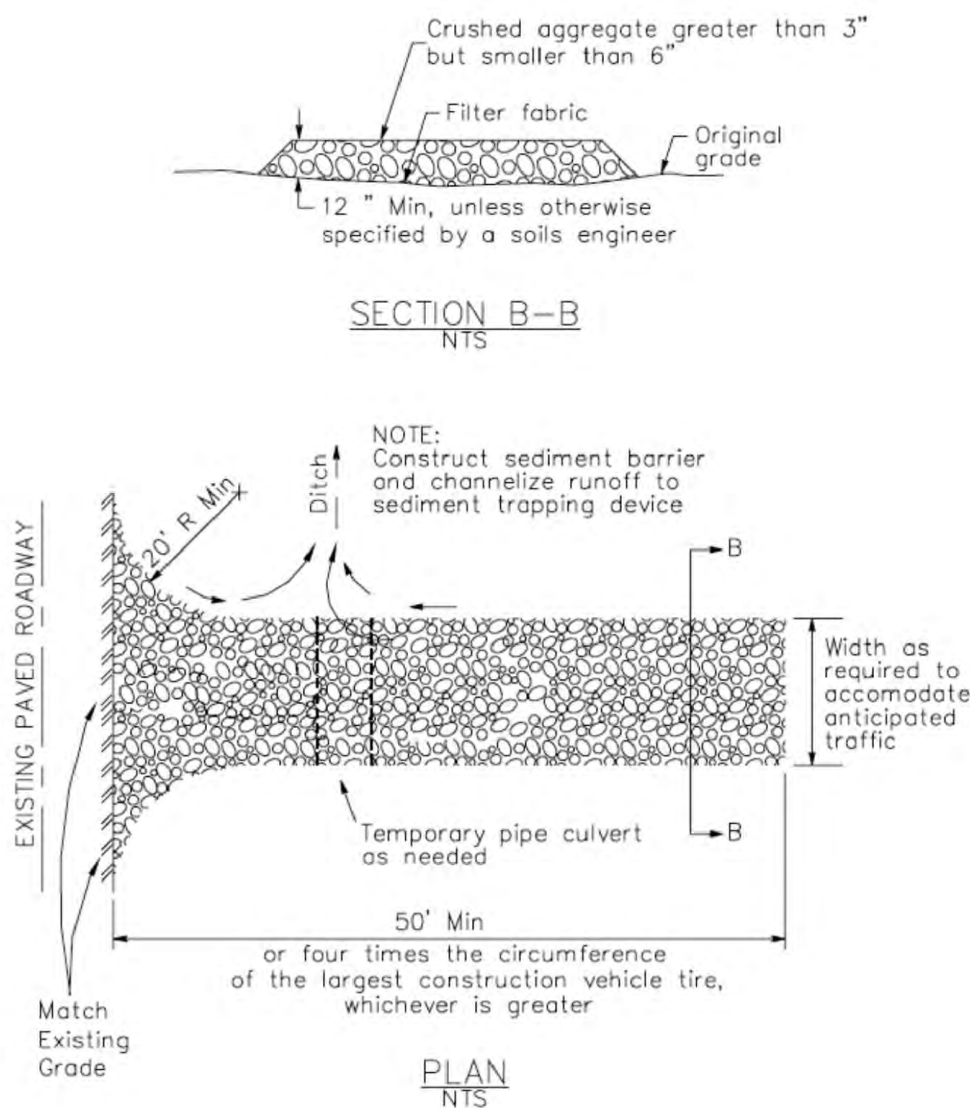
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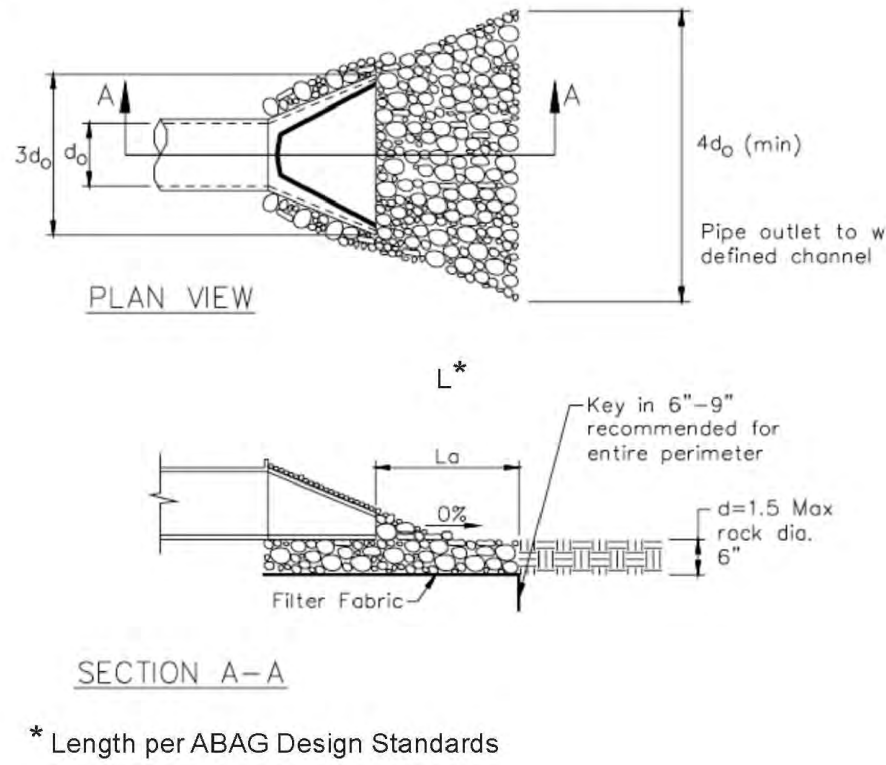
BMP-1

Best Management Practices and Erosion Control Details Sheet 1  
County of Santa Clara

3 Stabilized Construction Entrance/Exit  
CASQA Detail TC-1

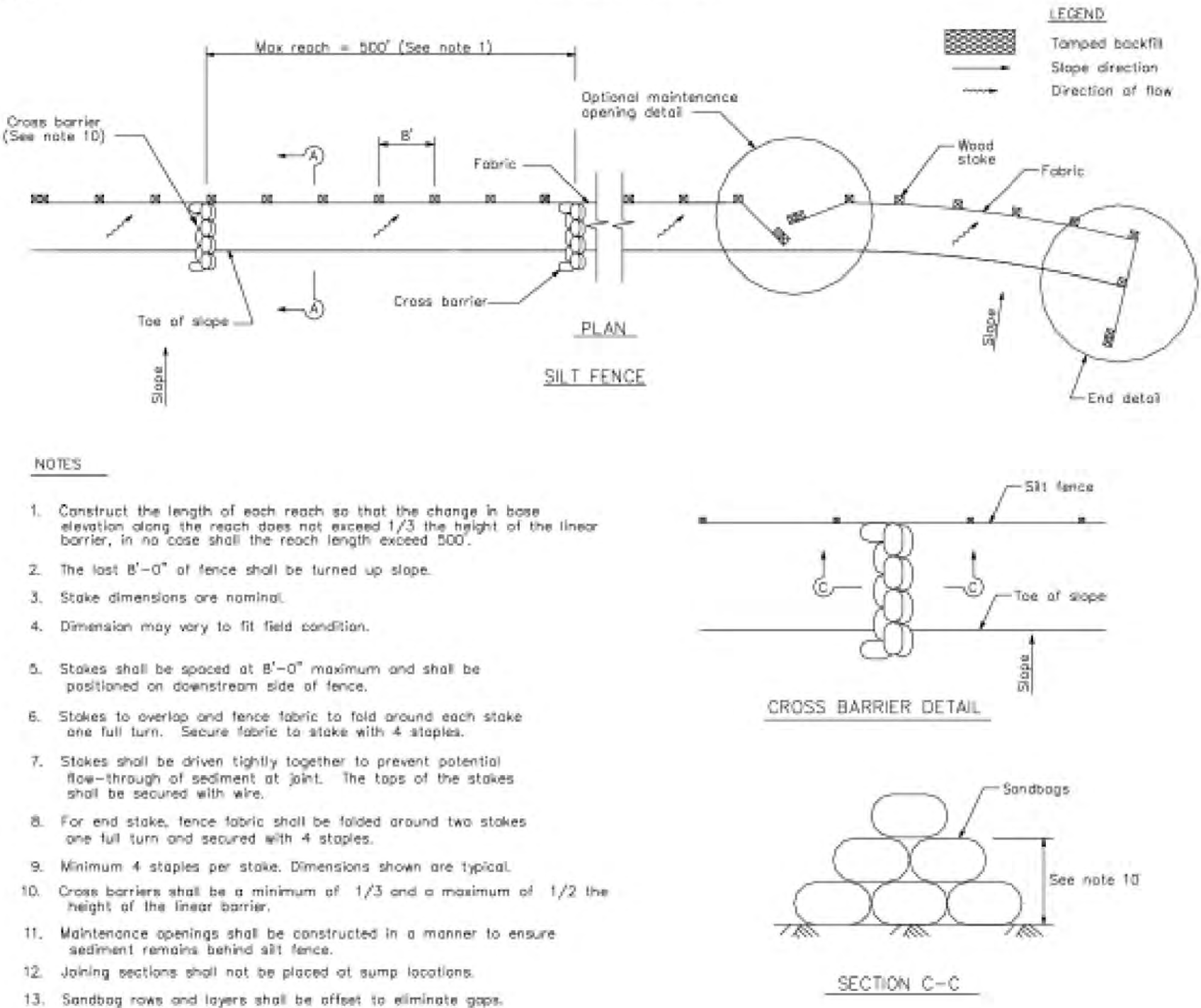


4 Velocity Dissipation Devices  
CASQA Detail EC-10



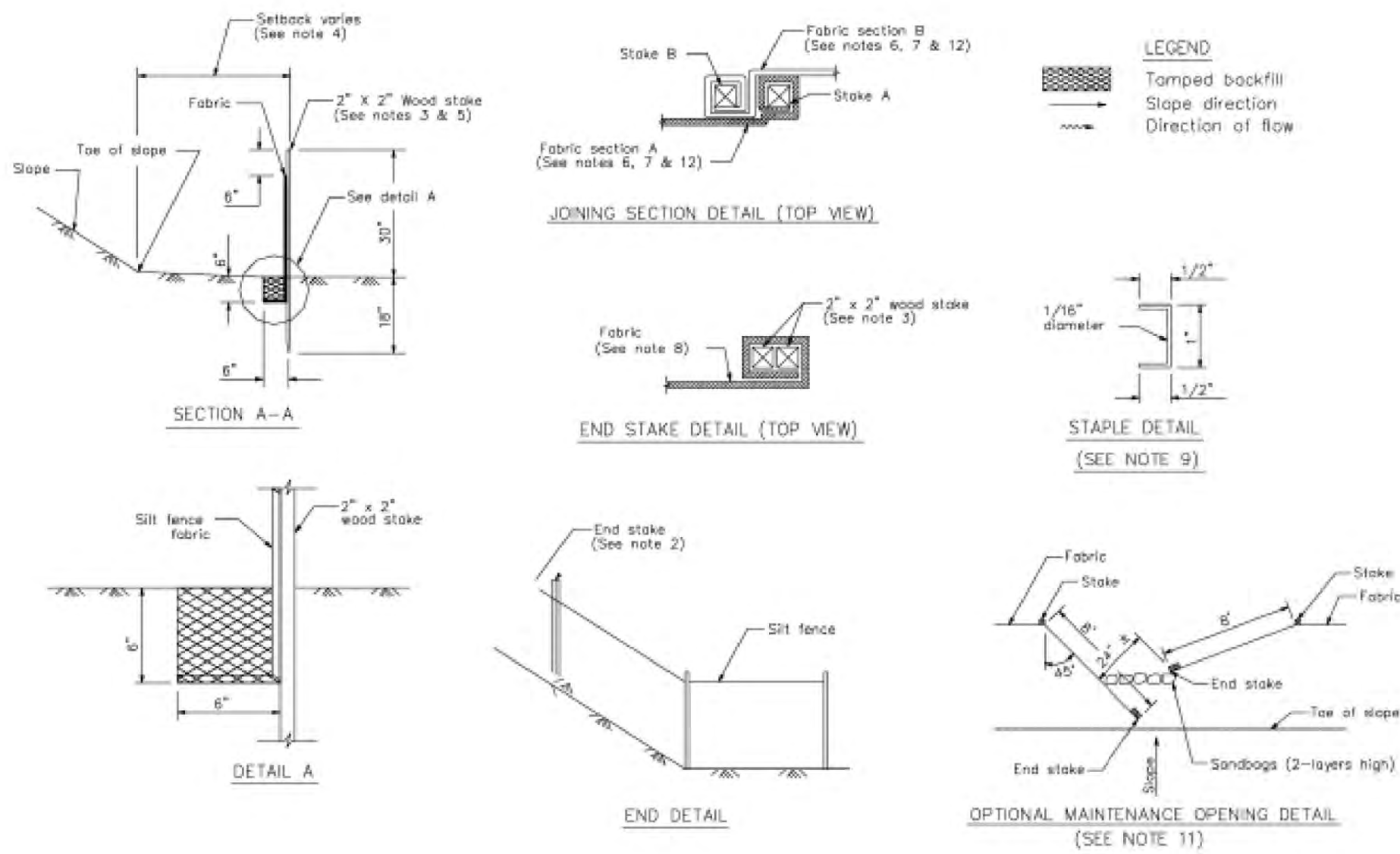
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003.  
Available from www.cabmphandbooks.com.

1 Silt Fence  
CASQA Detail SE-1



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

2 Silt Fence  
CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.

- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.

- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.

- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.

- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.

- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

- Sediment Control Management:**

**Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.

**Storm Drain Inlet and Catch Basin Inlet Protection:**

All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.

**Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.

**Dust Control:** The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.

**Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarps, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.

- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.

- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.

- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.

- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.





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EROSION CONTROL  
DETAILS

Project Number: 217126  
Date: 06/28/2018  
Scale:

C6.2

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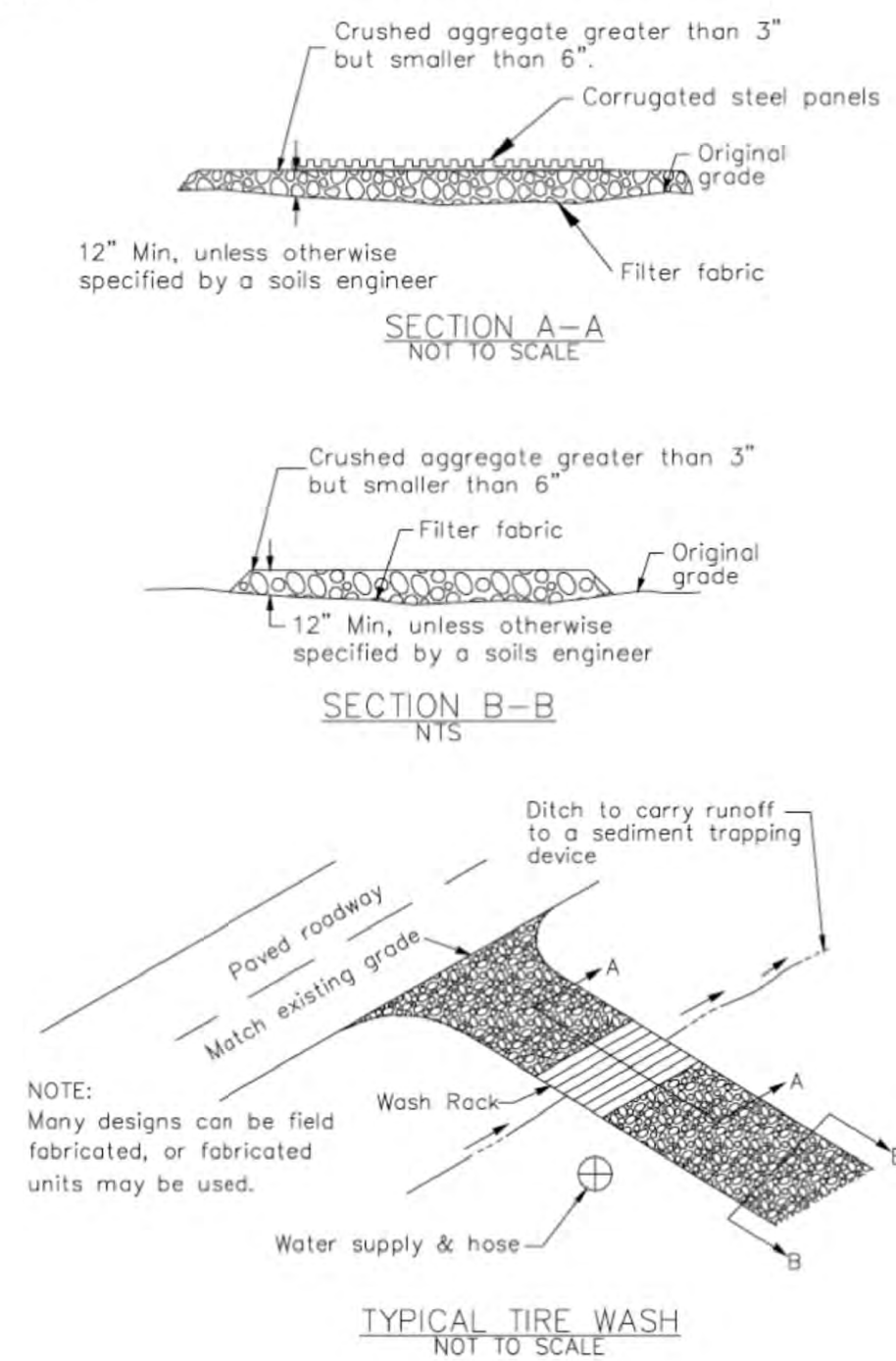
Project Information



BMP-2

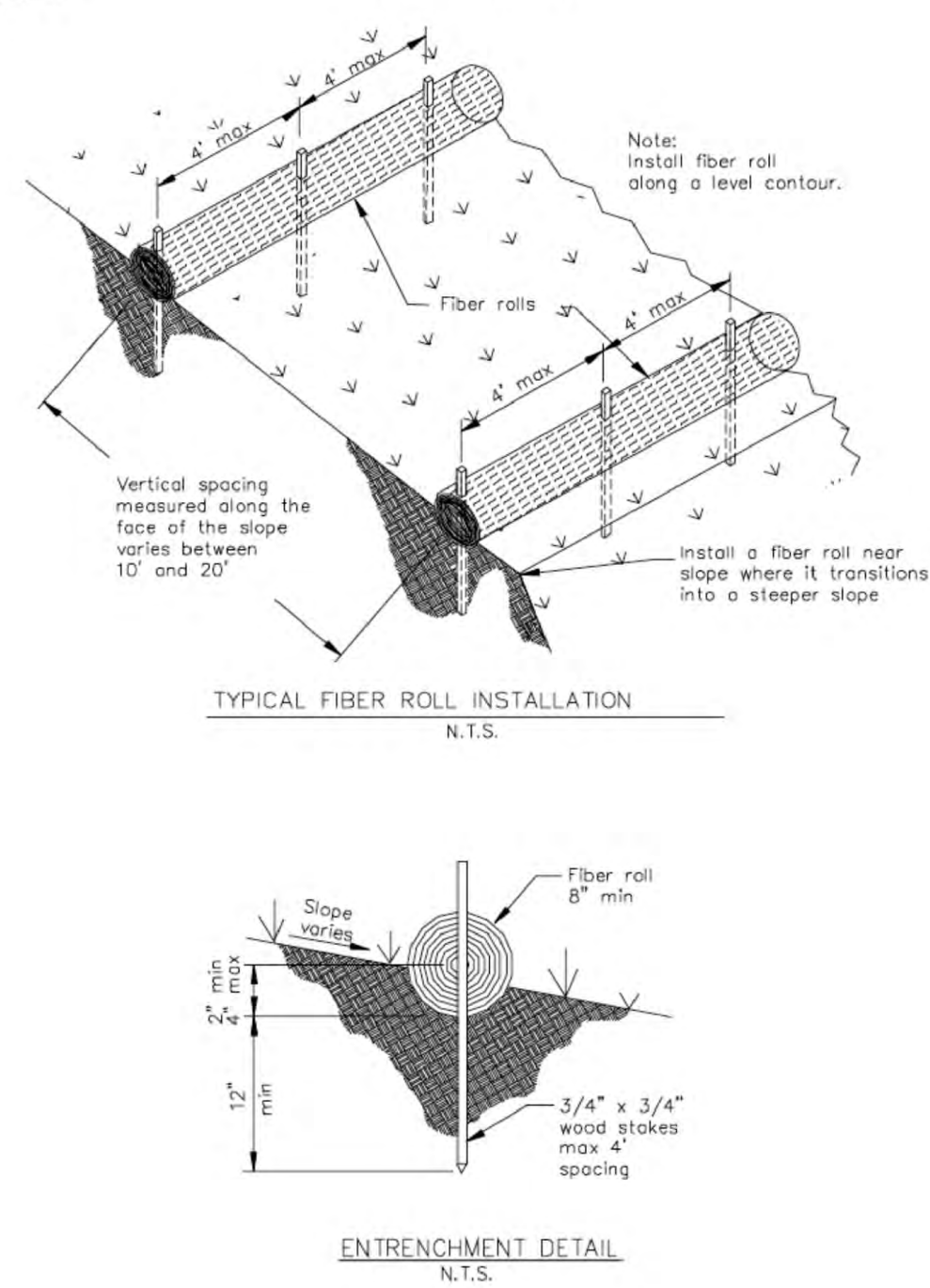
Entrance/Outlet Tire Wash

CASQA Detail TC-3



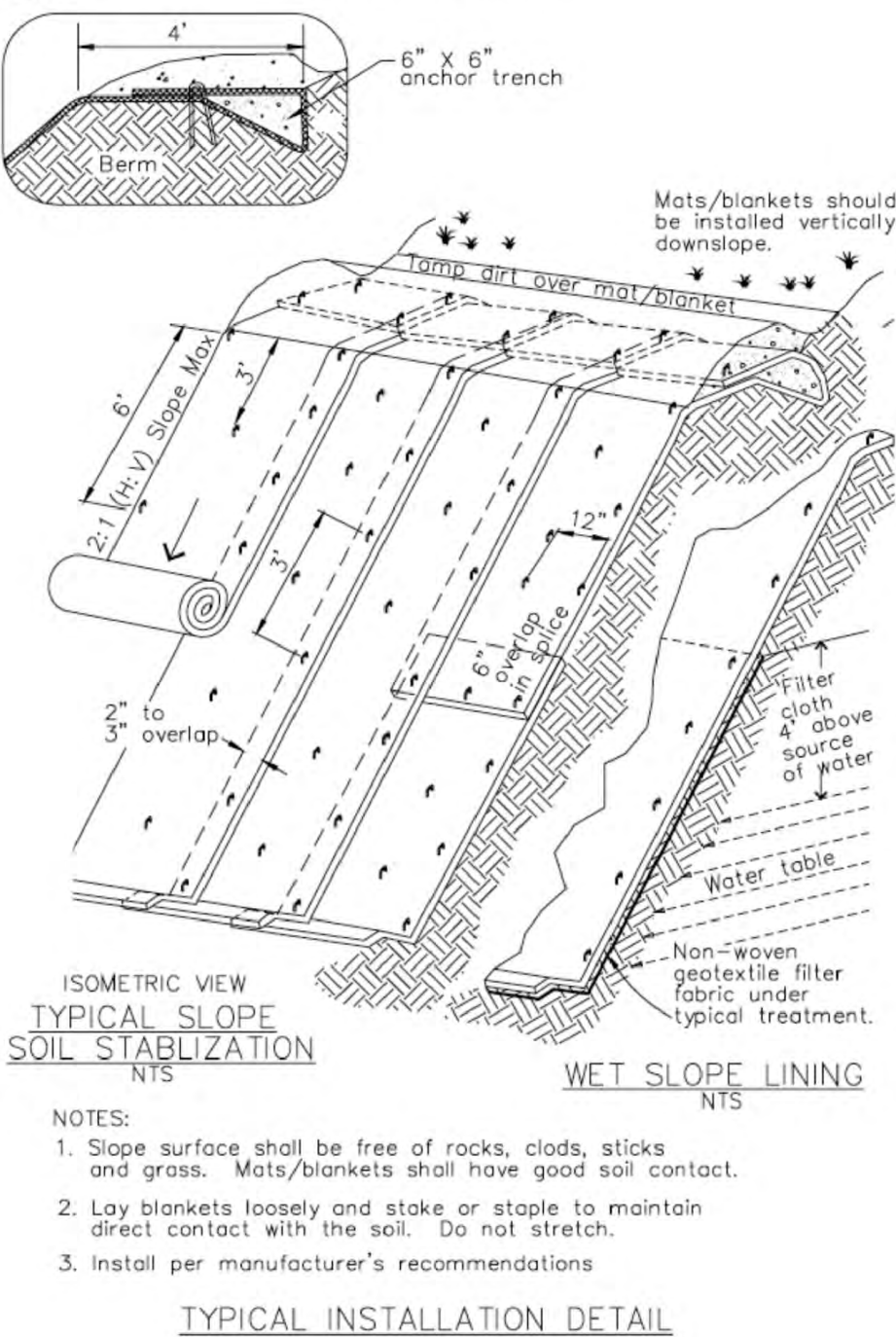
Fiber Rolls

CASQA Detail SE-5



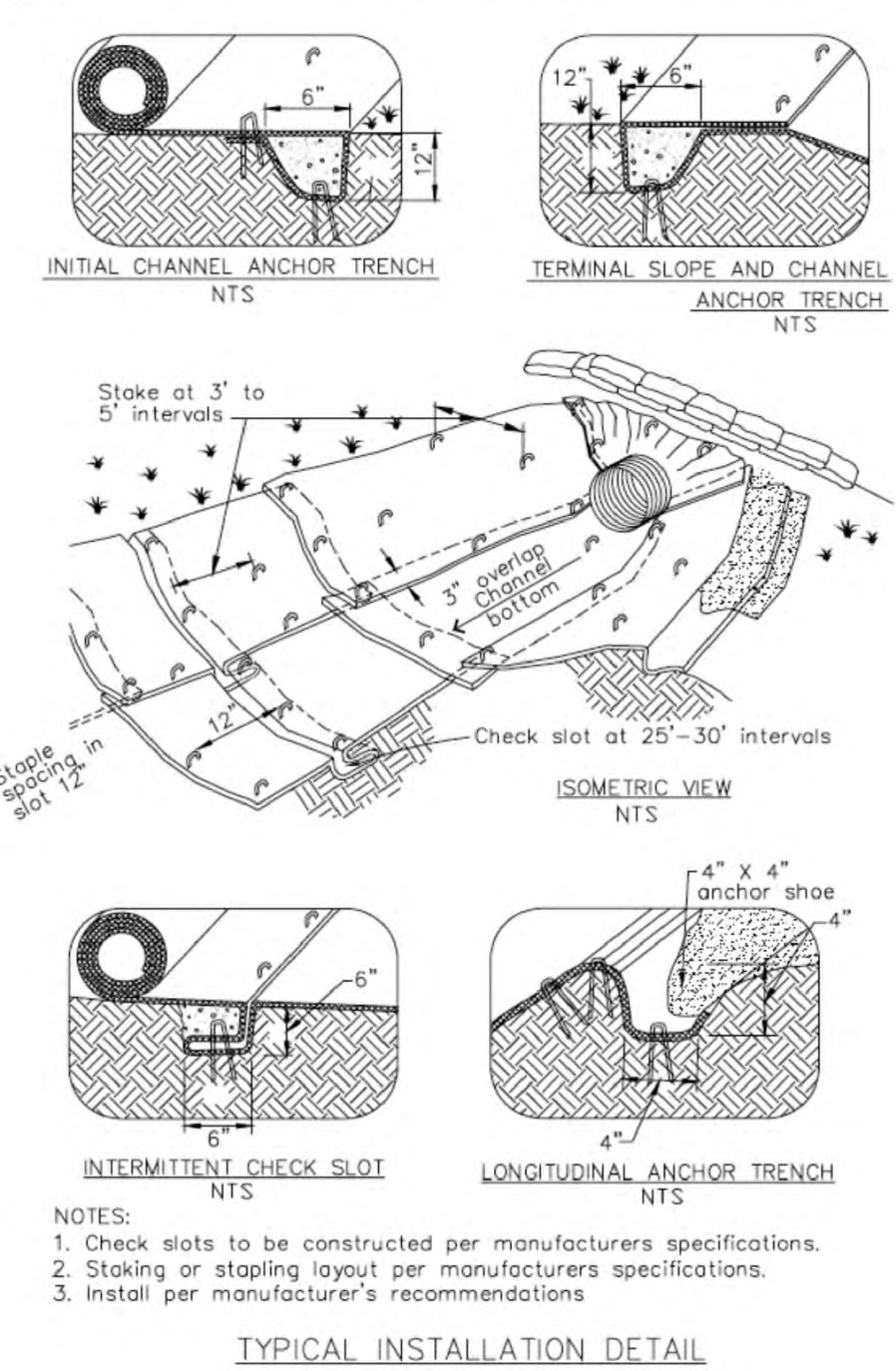
Geotextiles and Mats

CASQA Detail EC-7



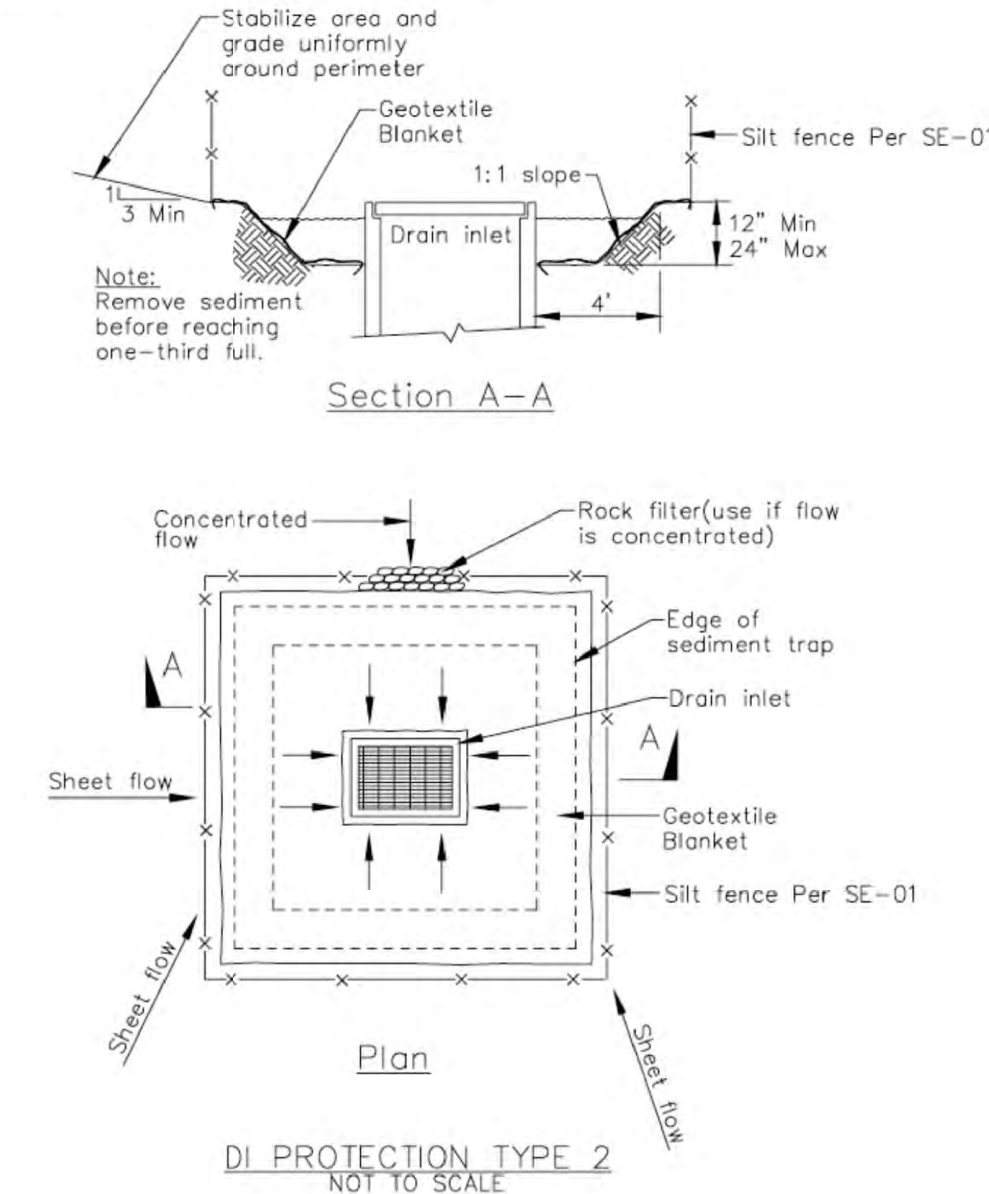
Geotextiles and Mats

CASQA Detail EC-7



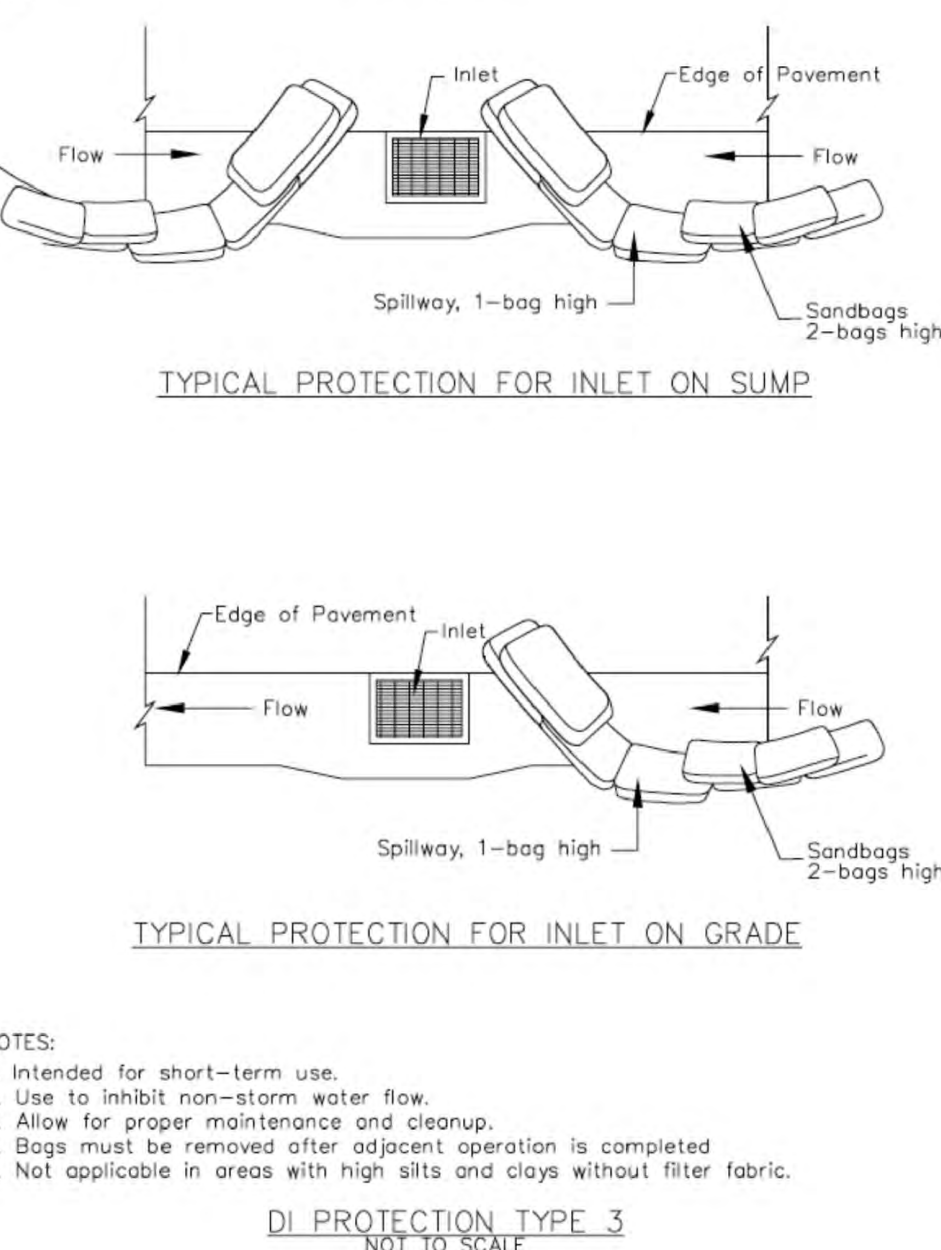
Storm Drain Inlet Protection

CASQA Detail SE-10



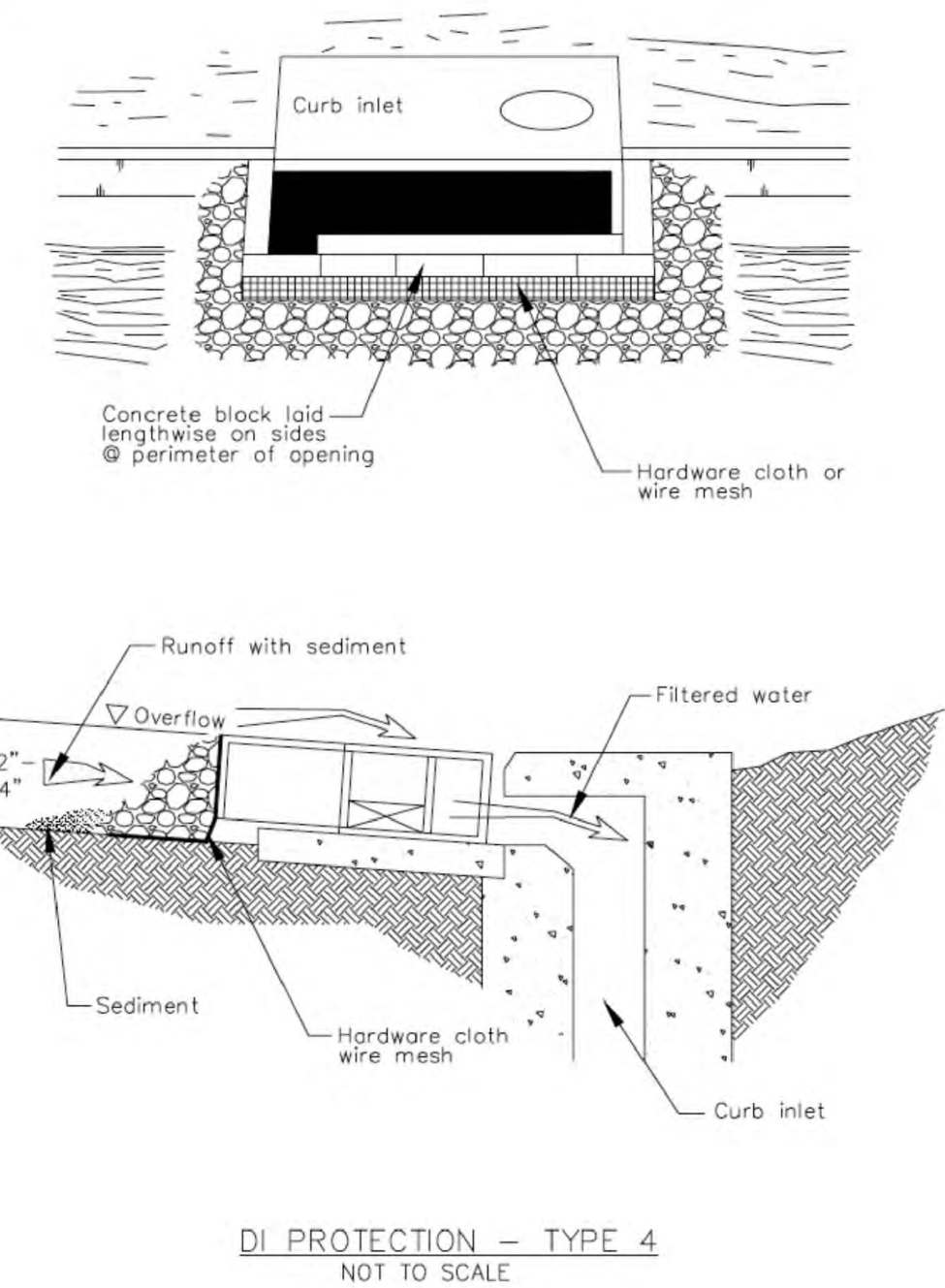
Storm Drain Inlet Protection

CASQA Detail SE-10



Storm Drain Inlet Protection

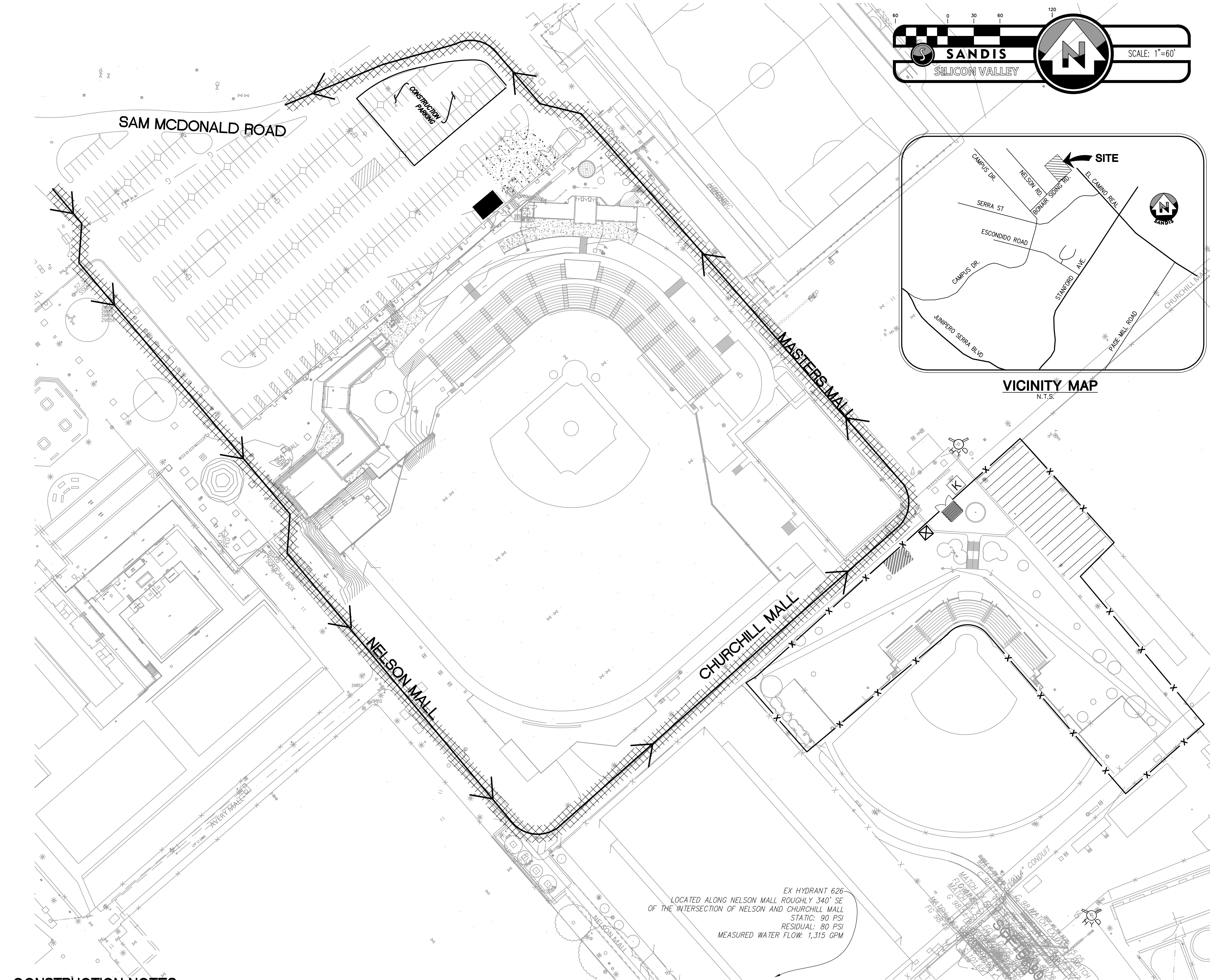
CASQA Detail SE-10



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

Best Management Practices and Erosion Control Details Sheet 2  
County of Santa Clara





### CONSTRUCTION NOTES:

- THE BAY AREA 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. (MITIGATION MEASURE AQ-1)
  - WATER ALL ACTIVE CONSTRUCTION AREA AT LEAST TWICE DAILY.
  - COVER ALL TRUCKS HAULING SOIL, SAND AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
  - PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
  - SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT CONSTRUCTION SITES.
  - SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIALS CARRIED ONTO ADJACENT PUBLIC STREETS.
  - HYDROSEED OR APPLY (NON-TOXIC) SOIL STABILIZERS TO INACTIVE CONSTRUCTION AREAS (PREVIOUSLY GRADED AREAS INACTIVE FOR TEN DAYS OR MORE).
  - ENCLOSE, COVER, WATER TWICE DAILY OR APPLY (NON-TOXIC) SOIL BINDERS TO EXPOSED STOCKPILES (DIRT, SAND).
  - LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
  - INSTALL FIBER ROLLS, SAND BAGS OR OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.
  - REPLANT VEGETATION IN DISTURBED AREAS AS QUICKLY AS POSSIBLE.
- INSTALL WHEEL WASHERS FOR ALL EXITING TRUCKS, OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE.
  - CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT WHERE FEASIBLE. USE "CLEAN FUEL" EQUIPMENT AND EMISSIONS CONTROL TECHNOLOGY (E.G. CNG FIRED ENGINES, CATALYTIC CONVERTERS, PARTICULATE TRAPS, ETC.) MEASURES TO REDUCE DIESEL EMISSION WOULD BE CONSIDERED FEASIBLE WHEN THEY ARE CAPABLE OF BEING USED ON EQUIPMENT. WITHOUT INTERFERING SUBSTANTIALLY WITH EQUIPMENT PERFORMANCE. (MITIGATION MEASURE AQ-2).
- CONSTRUCTION DELIVERY TIMES / ROUTES
  - CONSTRUCTION MATERIALS AND FILL DIRT DELIVERED FROM OFF CAMPUS SHALL NOT BE DELIVERED BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM ON WEEKDAYS.
  - TRUCKS 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
  - 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.



### LEGEND:

- CONSTRUCTION/FIRE TRUCK ACCESS ROUTES
- TEMPORARY CONSTRUCTION FENCE / LIMIT OF WORK
- GATE ENTRIES WITH ROCK PLATES/TIRE WASH AREAS
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- KNOX BOX
- GATE ENTRIES WITH ROCK PLATES/TIRE WASH AREAS
- MATERIAL LAYDOWN AREA
- APPROXIMATE LOCATION OF DUMPSTER
- APPROXIMATE LOCATION OF TRAILER
- EMERGENCY EVAC AREA
- FIRE ACCESS LANE AREA

### EXISTING HYDRANT NOTES

HYDRANT 626 WAS TESTED BY STANFORD WATER DEPARTMENT ON DECEMBER 5TH, 2012 WITH THE FOLLOWING RESULTS:  
STATIC: 90 PSI  
RESIDUAL: 78 PSI  
FLOWING: 1,315 GPM  
CALCULATED FLOW AT 20 PSI: 3,136 GPM

HYDRANT 626 AND OTHER HYDRANTS ADJACENT TO PROJECT SITE ARE ASSUMED TO HAVE SIMILAR CHARACTERISTICS AS HYDRANT 626.

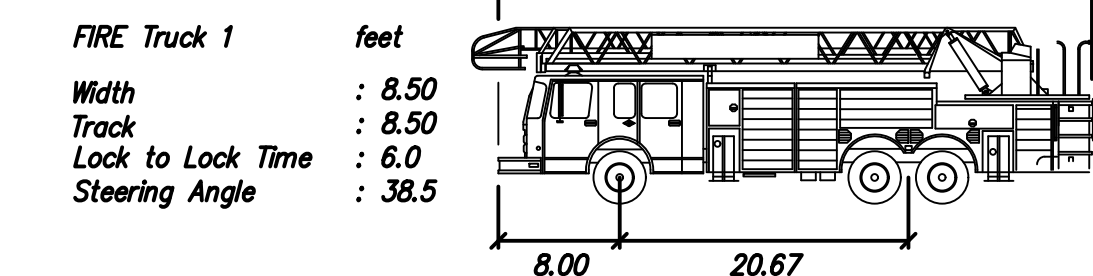
### FIRE ANALYSIS NOTES

BUILDING TYPE: NEW BATTING CAGES AND PRESS BOX  
BUILDING TYPE CONST ASSUMED: TYPE IB (10,400 SQ. FT.)

PER CEC ANNEX'S BB & CC  
FIRE FLOW REQUIRED: 1,500 GPM  
FLOW DURATION: 2 HOURS

NO. HYDRANTS REQUIRED: 1 @ AVG SPACING = 500'

MAX DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE TO A HYDRANT: 250'  
MAX EST. DISTANCE ~ 40'



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### SITE LOGISTICS PLAN

Project Number: 217126  
Date: 06/28/2018  
Scale: 1"=60'

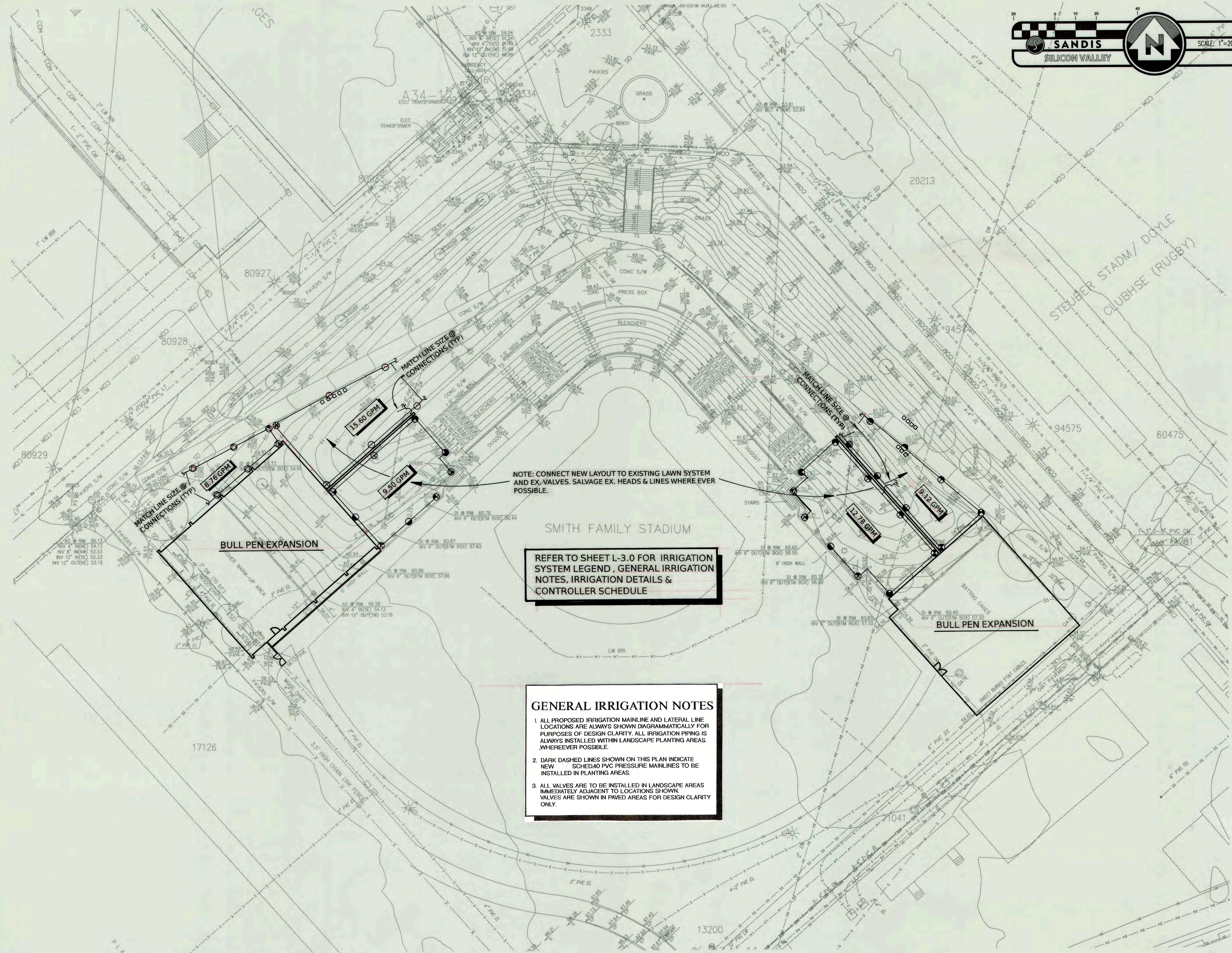
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SILICON VALLEY

SCALE: 1"=20'

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SILICON VALLEY TRI-VALLEY CENTRAL VALLEY  
SACRAMENTO EAST BAY SF

LAUDERBAUGH ASSOCIATES

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DATE MARCH 2018

REGISTERED LANDSCAPE ARCHITECT

JAMES W. LAUDERBAUGH

No. 2415

STATE OF CALIFORNIA

JAMES W. LAUDERBAUGH  
CA LIC. NO. 2415

STANFORD UNIVERSITY

SMITH FAMILY STADIUM

STANFORD, CA

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LANDSCAPE IRRIGATION RENOVATION PLAN

|                 |            |
|-----------------|------------|
| Project Number: | 217126     |
| Date:           | 06/28/2018 |
| Scale:          | 1"= 20'    |

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LANDSCAPE RENOVATION PLANT LIST

| QTY.        | BOTANICAL NAME                                                                               | COMMON NAME    | SIZE AND REMARKS                                                                                                                                   |
|-------------|----------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| T R E E S : |                                                                                              |                |                                                                                                                                                    |
| 6 EX.       | CEDRUS DEODARA                                                                               | DEODAR CEDAR   | EXISTING 6" TO 18" DIA. CEDARS TO BE RELOCATED AND TRANSPLANTED ON THIS SITE PER STANFORD UNIVERSITY REQUIREMENTS.                                 |
| 5 EX.       | QUERCUS AGRIFOLIA                                                                            | COAST LIVE OAK | EXISTING 6" TO 10" NATIVE OAKS TO BE RELOCATED AND TRANSPLANTED ON AN ALTERNATE CAMPUS SITE TO BE DETERMINED PER STANFORD UNIVERSITY REQUIREMENTS. |
| L A W N :   |                                                                                              |                |                                                                                                                                                    |
| SOD LAWN    | CONTACT STANFORD UNIVERSITY GROUND SERVICES FOR SUPPLIER AND VARIETY OF REPLACEMENT SOD LAWN |                |                                                                                                                                                    |

LANDSCAPE DESIGN CONCEPT STATEMENT

THE PROPOSED LANDSCAPE AND IRRIGATION RENOVATION FOR THE EXISTING 'SMITH FAMILY SOFTBALL STADIUM' AT STANFORD UNIVERSITY WILL RESTORE AND RENOVATE THE EXISTING LAWN AREAS; RELOCATE AND TRANSPLANT THE SIX 6" TO 18" DIAMETER EXISTING DEODAR CEDAR TREES AND FIVE 6" TO 10" EXISTING NATIVE OAKS THAT WILL BE IMPACTED BY THE NEW BULL PEN EXPANSION CONSTRUCTION. THE EXISTING LAWN SPRAY AND ROTOR IRRIGATION SYSTEM WILL BE RENOVATED, RETROFITTED AND RESTORED TO THE ORIGINAL CONDITION. THE PROPOSED ARCHITECTURAL DESIGN WILL EXPAND THE TWO EXISTING BULL PEN AREAS; PROVIDE NEW ROOFING, NEW UNISEX RESTROOMS; NEW LIGHTING; EXTEND PATHWAYS TO THE BULL PENS; AND LEVEL SECTIONS OF THE EXISTING LAWN AREAS FOR ADDITIONAL SPECTATOR SEATING TO VIEW THE ATHLETES.

COUNTY MAINTENANCE NOTES

Sec. B32-12. Landscape and Irrigation Maintenance

Landscapes shall be maintained to ensure successful establishment following installation, and to ensure water use efficiency consistent with this division. A maintenance schedule shall be established and submitted to the Planning Office either with the landscape application package, with the landscape installation report, or any time before the landscape installation report is submitted. Maintenance contract documentation shall be provided if the Planning Office so requests.

- The timing of the maintenance schedule shall extend 30 months from the date of the landscape audit report, unless a different time period or reporting arrangement is established by the Planning Office under a condition of permit approval. The landscape professional(s) overseeing maintenance activities shall provide to the Planning Office a minimum of two (2) summary reports at appropriately spaced intervals over the 30-month period. The reports shall evaluate the condition of the installation, and describe maintenance needs and any actions taken.
- Maintenance shall include, but not be limited to the following: routine inspection; pressure testing, adjustment and repair of the irrigation system; aerating and de-thatching turf areas; replenishing mulch; fertilizing; pruning; replanting of failed plants; weeding; pest control; and removing obstructions to emission devices.
- Failed plants shall be replaced with the same or functionally equivalent plants that may be size-adjusted as appropriate for the stage of growth of the overall installation. Failing plants shall either be replaced, or be revived through appropriate adjustments in water, nutrients, pest control or other factors as recommended by a landscaping professional.

GENERAL LANDSCAPE PLANTING NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITY LINES AND NOTIFYING THE OWNER OR LANDSCAPE ARCHITECT OF ANY CONFLICT BETWEEN SUCH LINES AND CONSTRUCTION, GRADING, IRRIGATION AND PLANTING OPERATIONS. FAILING TO FOLLOW THIS PROCEDURE THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR ALL DAMAGE RESULTING FROM HIS WORK.
- PLANT QUANTITIES ARE INDICATED FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT COUNT FROM THE LANDSCAPE PLANTING PLAN.
- THE FINAL LOCATION OF ALL PLANTS SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE EXISTING UTILITIES AND DRAIN INLETS, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- ALL SHRUBS SHALL BE PLANTED 2" ABOVE FINISH GRADE TO ALLOW FOR SETTLEMENT. ANY SHRUBS WHICH HAVE THE ROOTBALL CROWN BELOW FINISH GRADE AT THE FINAL INSPECTION WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WEED CONTROL: TWO WEEKS PRIOR TO PLANTING, ALL PLANTING AREAS SHALL BE SPRAYED WITH "ROUND-UP" HERBICIDE OR APPROVED EQUAL TO REMOVE ALL OBNOXIOUS AND INVASIVE WEED GROWTH. IMMEDIATELY UPON COMPLETION OF ALL PLANTING AND INITIAL WATERING, THE AREAS SHALL BE SPRAYED WITH DIPHENAMID (ENIDE OR EQUAL) AT THE RATE OF 8 LBS. OF ACTIVE INGREDIENT PER ACRE. MATERIALS SHALL BE APPLIED AS SPRAY WITH THE MINIMUM AMOUNT OF WATER REQUIRED TO ATTAIN COVERAGE. WITHIN 48 HOURS APPLY A TOTAL OF 1" OF WATER.
- THE CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AT THE SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR RESOLUTION.
- ALL PLANTING AREAS SHALL RECEIVE A MINIMUM 3" DEEP LAYER OF NITROGEN STABILIZED SMALL REDWOOD OR FIR BARK CHIPS AS PLANTING MULCH(EXCEPT @LAWNAREAS)
- PLANTING PERCOLATION TEST: FILL HOLES WITH WATER, AND IF WATER HAS NOT PERCOLATED OUT COMPLETELY AFTER 30 MINUTES, PROVIDE DRAIN HOLES FILLED WITH SOIL MIX TO INSURE PERCOLATION. AUGER BORE DRAIN HOLES TO PENETRATE ANY HARD PAN AND A MINIMUM OF 12" INTO UNDISTURBED PERVIOUS SOIL.
- REFER TO LANDSCAPE PLANTING SPECIFICATIONS ON SHEET L- FOR GENERAL WORKMANSHIP REQUIREMENTS, SOIL CONDITIONING AND BACKFILL, PLANTING METHODS, MAINTENANCE, AND GUARANTEES, AS THEY APPLY TO THIS PROJECT. NOT ALL SECTIONS OF THESE SPECIFICATIONS WILL BE PERTINENT TO THIS PROJECT.
- ALL PLANT MATERIAL WILL BE REVIEWED AND APPROVED ON-SITE PRIOR TO PLANTING.
- THE CONTRACTOR SHALL PROVIDE A SOILS TEST PRIOR TO START OF WORK, CONDUCTED BY A SOIL TESTING COMPANY, WHICH SHALL PROVIDE INFORMATION ON THE SOIL TYPE INCLUDING HORTICULTURAL SUITABILITY OF THE SOIL, THE PERCENTAGE OF ORGANIC MATTER, A MEASURE OF PH, A MEASURE OF TOTAL SOLUBLE SALTS AND SOIL INFILTRATION RATE. THE SOILS TEST SHALL INCLUDE RECOMMENDATIONS FOR AMENDING AND PREPARING THE SOIL FOR PLANTING.

GENERAL LANDSCAPE CONSTRUCTION NOTES

- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL GRADES AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. ALL DISCREPANCIES WILL BE BROUGHT TO THE ATTENTION OF THE OWNER AND LANDSCAPE ARCHITECT FOR RESOLUTION.
- REFER TO LANDSCAPE SPECIFICATIONS AND INSTALLATION DETAILS ON THE LANDSCAPE DRAWINGS FOR ALL MATERIAL AND WORKMANSHIP REQUIREMENTS.
- SITE UTILITIES SHALL BE PROTECTED DURING CONSTRUCTION. ANY UTILITIES, STRUCTURES, OR OTHER FEATURES THAT ARE DAMAGED BY THE CONTRACTOR, SHALL BE REPLACED OR REPAIRED AT NO EXPENSE TO THE OWNER.
- THE WORK IN THIS CONTRACT MAY RUN CONCURRENTLY WITH OTHER TRADES. THE LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER CONTRACTORS.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR BRINGING ALL PLANTING AREAS TO FINISH GRADE, WHICH IS 2" BELOW FINISH SURFACE OF ALL PAVING, CURBING, HEADERS AND FINISH FLOOR OF BUILDING (UNLESS SPECIFIED OTHERWISE). ALL PLANTING AREAS SHALL DRAIN AWAY FROM THE BUILDING AT A MINIMUM 2% GRADIENT (1/4" PER FOOT) TOWARD PROPOSED AREA DRAINS. ALL PAVED AREAS SHALL DRAIN AWAY FROM THE BUILDING AT A MINIMUM 1% (1/8" PER FOOT) TOWARD PROPOSED DECK DRAINS (UNLESS SPECIFIED OTHERWISE).
- THE CONTRACTOR SHALL REFER TO EXISTING CIVIL ENGINEER'S GRADING, DRAINAGE AND UTILITY PLANS PREPARED BY SANDIS, CIVIL ENGINEERS FOR PROPOSED UTILITIES AND ELEVATIONS.
- ALL REFERENCE DIMENSIONS MEASURING AWAY FROM THE BUILDING SHALL BE TAKEN FROM THE OUTSIDE FACE OF THE BUILDING.
- ALL PROPOSED CONCRETE WORK SHALL BE POURED-IN-PLACE WITH THE FOLLOWING DESIGN MIX: 5 SACK MIX, MAXIMUM 4" SLUMP, MAXIMUM 3/4" AGGREGATE SIZE, AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS. ALL FINISH SURFACE TREATMENTS, REBAR AND FOOTINGS SHALL BE PER LANDSCAPE CONSTRUCTION DETAILS.
- ELECTRICAL: THE CONTRACTOR SHALL FURNISH, CONNECT AND INSTALL ELECTRICAL WORK COMPLETE AS INDICATED ON THE DRAWINGS AND IN COMPLIANCE WITH THE COUNTY OF SANTA CLARA ELECT. CODE, THE STATE OF CALIFORNIA ELECTRICAL SAFETY ORDERS, AND ALL OTHER APPLICABLE LEGAL REQUIREMENTS. THE CONTRACTOR SHALL ARRANGE, OBTAIN AND PAY FOR ALL PERMITS, LICENSES, REQUIRED TESTS, AND INSPECTIONS REQUIRED FOR THE EXECUTION OF HIS WORK, AND SHALL GIVE ALL NOTICES REQUIRED BY ANY AND ALL LAWS, RULES, REGULATIONS AND ORDINANCES WHICH PERTAIN TO HIS WORK. ALL UNDERGROUND CABLE OR CONDUIT SHALL BE PLACED NOT LESS THAN 24" BELOW FINISH GRADE. THE CONTRACTOR SHALL GUARANTEE THE ENTIRE ELECTRICAL WORK AGAINST DEFECTIVE MATERIALS AND IMPROPER WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
- ALL EXPANSION JOINTS, AS INDICATED ON THE LANDSCAPE CONSTRUCTION DOCUMENTS, SHALL BE 1/2" THICK, FULL-DEPTH, PRE-MOLDED ASPHALTIC JOINTS WITH A 1/2"X 1/2" CONTINUOUS WATERPROOF CAULKING OVER ("THIOLKOL", "PECORA" OR APPROVED EQUAL). SPACING SHALL BE PER LANDSCAPE CONSTRUCTION PLAN AND DETAILS.

IRRIGATION CONTROLLER SCHEDULES

| SPRAY/ROTORS @ LAWN AREAS |  | PRECIPITATION RATE: 60"-72"/HR. |     |     |       |     |      |      |     |      |     |     |     |
|---------------------------|--|---------------------------------|-----|-----|-------|-----|------|------|-----|------|-----|-----|-----|
| MONTH                     |  | JAN                             | FEB | MAR | APRIL | MAY | JUNE | JULY | AUG | SEPT | OCT | NOV | DEC |
| MIN/WK                    |  | 0                               | 2   | 12  | 24    | 42  | 48   | 54   | 48  | 42   | 8   | 4   | 0   |
| DAYS/WK                   |  | 0                               | 1   | 2   | 3     | 3   | 3    | 3    | 3   | 3    | 2   | 2   | 0   |
| MIN/WATER DAY             |  | 0                               | 2   | 6   | 8     | 14  | 16   | 18   | 16  | 14   | 4   | 2   | 0   |
| CYCLE/DAY                 |  | 0                               | 1   | 2   | 2     | 2   | 2    | 2    | 2   | 2    | 1   | 0   |     |
| MIN/CYCLE                 |  | 0                               | 2   | 3   | 4     | 7   | 8    | 9    | 8   | 7    | 2   | 2   | 0   |

IRRIGATION SYSTEM LEGEND

|      |                                       |                                                                                                         |
|------|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| □□□□ | EXISTING IRRIGATION VALVE BOXES       | -FIELD VERIFY SIZE OF VALVES, CURRENT COVERAGE AREA AND GPM CAPACITY                                    |
| □    | EXISTING IRRIGATION CONTROLLER        | -FIELD VERIFY LOCATION AND CAPACITY. RE-PROGRAM IF REQUIRED BY IRRIGATION CHANGES.                      |
| ⊙    | 4" POP-UP LAWN SPRAYS                 | -RAINBIRD-1804-SAM-PRS-15'H(1.85 GPM)                                                                   |
| ⊙    | 4" POP-UP LAWN SPRAYS                 | -RAINBIRD-1804-SAM-PRS-12'Q (.65 GPM)                                                                   |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (17'H-.75 NOZZLE)                                                                  |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (21'H,21'Q-1.0 NOZ.)                                                               |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (23'H,23'Q-1.5 NOZ.)                                                               |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (27'H,27'Q-2.0 NOZ.)                                                               |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (31'H,31'Q-3.0 NOZ.)                                                               |
| ⊙    | 4" POP-UP LAWN ROTORS                 | RAINBIRD-3504-PC-SAM (31'Q-VARIABLE ARC -3.0 NOZZLE)                                                    |
| ---  | NEW IRRIGATION MAINLINE (IF REQUIRED) | -1120/SCHEDULE 40 PVC PIPE -18"COVER                                                                    |
| ---  | NEW IRRIGATION LATERAL LINE           | -1120/SCHEDULE 40 PVC PIPE-12" COVER                                                                    |
| ---  | PIPE CROSSOVER (NO CONNECTION)        |                                                                                                         |
| ⊙    | GALLONS PER MIN. THROUGH VALVE        | -NOTE: CONNECT NEW LAYOUT SYSTEMS TO EXISTING LAWN SYSTEMS AND BALANCE DISTRIBUTION TO EXISTING VALVES. |

GENERAL IRRIGATION INSTALLATION NOTES (NOT ALL NOTES WILL BE APPLICABLE TO THIS SITE)

1. SPRINKLER SYSTEM IS DESIGNED FOR A MAXIMUM OF GPM AT 60 PSI OPERATING PRESSURE. IRRIGATION CONTRACTOR SHALL VERIFY PRESSURE OF 60 PSI AT THE POINT OF CONNECTION PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM.

2. NOTIFY LANDSCAPE ARCHITECT SIX DAYS PRIOR TO INSTALLATION FOR A PRE-INSTALLATION CONFERENCE AND TO FIELD REVIEW COORDINATION FOR TRENCH DEPTHS, ASSEMBLY REVIEW, PRESSURE TESTS, COVERAGE TESTS, PRE-MAINTENANCE AND FINAL REVIEWS. A CONTINUITY TEST WILL BE REQUIRED FOR CONTROL WIRE SUBROUTS. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.

3. ALL EQUIPMENT REQUIRED BUT NOT SPECIFIED ON THE PLANS SHALL BE PROVIDED TO INSURE A COMPLETE AND FUNCTIONAL SYSTEM. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH LOCAL CODES, MANUFACTURERS INSTRUCTIONS AND AS INDICATED ON THE PLANS. AVOID ANY CONFLICTS BETWEEN SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES. NOTIFY LANDSCAPE ARCHITECT, PRIOR TO INSTALLATION, OF ANY AREA OR GRADE DIFFERENCES OR OBSTRUCTIONS NOT INDICATED ON THE PLANS.

4. PRIOR TO CUTTING INTO SOIL, LOCATE ALL CABLES, CONDUITS, SEWERS, AND OTHER UTILITIES OR ARCHITECTURAL FEATURES THAT ARE COMMONLY ENCOUNTERED UNDERGROUND AND TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH IMPROVEMENTS. ANY DAMAGE MADE DURING THE INSTALLATION OF THE IRRIGATION SYSTEM OF THE FOREMENTIONED ITEMS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER AT NO EXPENSE TO THE CITY.

5. INSTALL WALL MOUNT CONTROLLER(S) WHERE INDICATED. EXACT LOCATION OF WALL MOUNT CONTROLLER TO BE DETERMINED AT JOB SITE BY ARCHITECT. 120 VOLT ELECTRICAL SUPPLY IS PROVIDED FOR IN IMMEDIATE VICINITY IN ELECTRICAL SECTION OF CONTRACT. MAKE FINAL 120 VOLT ELECTRICAL CONNECTION.

USE THIN WALL METAL CONDUIT ABOVE GRADE. INSTALL PER MANUFACTURER'S SPECIFICATIONS. INSTALL CONDUIT FROM CONTROLLER TO ADJACENT PLANTER FOR L.V. WIRES. INSTALL A SEPARATE 24 VOLT COMMON GROUND WIRE FOR EACH CONTROLLER. CONTROLLER(S) SHALL BE PROPERLY GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND CONFORM TO LOCAL REGULATION. INSTALL AS DETAILED. SEAL ALL CONDUIT HOLES WITH SILICONE OR EQUAL. PROGRAM CONTROLLER NOT TO EXCEED MAXIMUM FLOW RATE STATED IN NOTE NO. 1.

6. USE APPROPRIATE SOLVENT AND APPLICATOR, AND PRIMER IF REQUIRED, FOR PIPE SIZE AND TYPE APPLICATION. APPLY PER MANUFACTURERS RECOMMENDATIONS.

7. INSTALL REMOTE CONTROL VALVES, PRESSURE REGULATOR AND QUICK COUPLER VALVES AS DETAILED. INSTALL R.C.V. ID TAGS MANUFACTURED BY T.CHRISTY, ENT. STANDARD SIZE, 1 1/8" HOT STAMPED BLACK LETTERS ON YELLOW BACKGROUND ON SOLENOID WIRES. LETTERS TO CONFORM TO CONTROLLER/STATION NUMBER.

8. ALL SPRINKLER HEADS SHALL HAVE RISER ASSEMBLIES AS DETAILED. INSTALL CHECK VALVES AS SHOWN ON BUBBLER AND ROTOR RISER ASSEMBLY DETAILS WHERE LOW HEAD DRAINAGE OCCURS. NOTE ESPECIALLY TO AVOID DRAINAGE AT SIDEWALKS AND OTHER POINTS WHERE PUDDLING WILL CAUSE DAMAGE OR HAZARD. ALL HIGH POP-UPS ADJACENT TO CURBS SHALL BE INSTALLED AT PAINTED PARKING STALL LINES WHERE INDICATED. INSTALL FLOODING BUBBLERS ON UP HILL SIDE OF SHRUBS AND TREES.

9. ADJUST ALL SPRINKLER HEADS FOR COMPLETE COVERAGE WITH MINIMUM SPRAY ON BUILDINGS, ASPHALT, SIDEWALKS, ROADWAYS, ETC. AND THROTTLE FLOW CONTROL AT VALVES FOR OPTIMUM OPERATION. LEAN SPRINKLERS AT LANDSCAPE BERMS/MOUNDS AND SLOPES FOR OPTIMUM COVERAGE.

10. ALL PIPE AND WIRING UNDER ASPHALT PAVEMENT SHALL BE INSTALLED AT TWENTY FOUR INCH (24") DEPTH BELOW GRADE. ALL PIPE AND WIRING UNDER ASPHALT PAVEMENT SHALL BE INSTALLED IN PVC SCHEDULE 40 SLEEVING AND ELECTRICAL CONDUIT.

SLEEVING AND ELECTRICAL CONDUIT SHALL EXTEND SIX INCHES (6") BEYOND EDGE OF PAVEMENT OR CURB. SLEEVING TO BE TWO TIME THE SIZE OF THE PIPE. ELECTRICAL CONDUIT TO BE 25% LARGER THAN THE WIRE BUNDLE. INSTALL SAND FOR BACKFILL IN ASPHAL PAVEMENT AREAS TO 6" COVER ABOVE PIPE. SURROUND PIPE WITH SAND IN AREAS WHERE ROCKY TERRAIN IS ENCOUNTERED.

11. ALL VALVE CONTROL WIRE SHALL BE SIZED PER CONTROLLER AND VALVE MANUFACTURER'S RECOMMENDATIONS, BUT NOT TO BE LESS THAN NO. 14 AWG COPPER UL APPROVED FOR DIRECT BURIAL IN GROUND. CONNECT WIRES AS DETAILED PER MANUFACTURERS SPECIFICATIONS. RUN ONE (1) EXTRA CONTROL WIRE OF DIFFERENT COLOR THROUGH ALL VALVE LOCATIONS FROM EACH CONTROLLER. EACH WIRE AT VALVES SHALL HAVE 24" EXCESS COILED LOOP IN VALVE BOXES. TAPE WIRES IN BUNDLES EVERY TEN FEET (10').

12. ALL PIPES SHALL BE TESTED AT LINE PRESSURE. THERE SHALL BE NO LEAKS FOR A PERIOD OF TWO (2) HOURS. CENTER LOAD PIPING (BUT DO NOT COVER FITTINGS) TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.

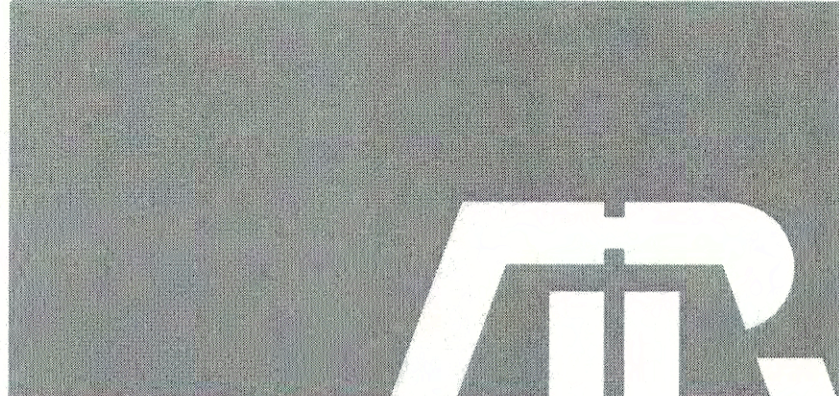
13. ALL BACKFILL MATERIAL SHALL BE FREE OF ROCKS, CLODS, AND OTHER EXTRANEOUS MATERIALS. COMPACT BACKFILL TO ORIGINAL DENSITY OF SOIL.

14. AT JOB COMPLETION, SUPPLY OWNER WITH TWO (2) SETS OF MATCHING Q.C.V. KEYS AND HOSE SWIVELS, AND TWO (2) KEYS FOR EACH CONTROLLER.

15. OBTAIN MYLAR SEPIA OF IRRIGATION PLANS FROM ARCHITECT AND ACCURATELY AND NEATLY MARK ALL CHANGES MADE DURING CONSTRUCTION. ALL DRAFTING TO BE DONE BY A COMPETENT DRAFTSMAN. SUBMIT TO LANDSCAPE ARCHITECT FOR ACCEPTANCE.

16. GUARANTEE THE IRRIGATION SYSTEM AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE.

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Issues and Revisions

| No. | Date       | Issues and Revisions | By |
|-----|------------|----------------------|----|
|     | 06/28/2018 | ASA SUBMITTAL        |    |

LANDSCAPE NOTES & PLANT LIST, CONSTR. NOTES, IRRIGATION LEGEND, DETAILS & NOTES, DESIGN CONCEPT & MAINTENANCE

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