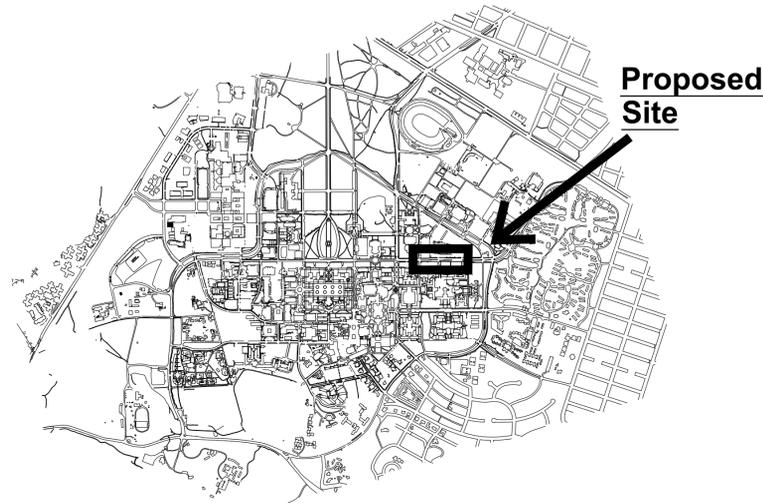


STANFORD UNIVERSITY JANE STANFORD WAY SIDEWALK IMPROVEMENTS PROJECT #5143 QUAD #06-000

STANFORD, SANTA CLARA COUNTY CALIFORNIA



CAMPUS VICINITY MAP

SCALE: NTS

LEGEND

⊕	EXISTING ELECTRICAL MANHOLE	=====	EXISTING AC PATH / RAMP
□	EXISTING ELECTRICAL BOX	-----	CENTERLINE
□	EXISTING CATCH BASIN	=====	EXISTING CURB & GUTTER
○	EXISTING MANHOLE	-----	EXISTING CURB
☆	EXISTING ELECTROLIER	E	EXISTING ELECTRICAL LINE
⊗	EXISTING WATER VALVE	SS	EXISTING SANITARY SEWER LINE
⊕	EXISTING FIRE HYDRANT	SD	EXISTING STORM DRAIN LINE
+	EXISTING SIGN	T	EXISTING TELEPHONE LINE
△	EXISTING SURVEY CONTROL	DW	EXISTING DOMESTIC WATER LINE
⊙	DETAIL NUMBER DESIGNATION	LW	EXISTING LAKE WATER LINE
		SW	EXISTING SEARSVILLE WATER LINE
		SC	EXISTING STEAM & CONDENSATE LINE
■	PROPOSED CATCH BASIN	CW	EXISTING CHILLED WATER LINE
⊗	PROPOSED ELECTROLIER	SL	EXISTING STREET LIGHT LINE
⊕	PROPOSED OVERFLOW DRAIN	C	EXISTING COMMUNICATION LINE
		G	EXISTING GAS LINE
		=====	PROPOSED CURB & GUTTER
		=====	PROPOSED VERTICAL CURB
		78	PROPOSED CONTOUR
		=====	PROPOSED STORM DRAIN LINE

ABBREVIATIONS

AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE	OC	ON CENTER
AD	AREA DRAIN	OD	OVERFLOW DRAIN
ALT	ALTERNATE	PC	POINT ON CURVE
BCR	BEGIN CURB RETURN	PIV	POST INDICATOR VALVE
BW	BEGINNING OF WALL	PR	PROPOSED
CO	CLEANOUT	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PVC	POLYVINYL CHLORIDE
CW	CHILLED WATER	PVI	POINT OF VERTICAL INTERSECTION
DW	DOMESTIC WATER	PWR	POWER
DI	DRAIN INLET	R	RIGHT OF CENTERLINE
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
E	ELEVATION	S	STATION
ECR	END CURB RETURN	SD	STORM DRAIN
EG	EXISTING GRADE	SED	SEE ELECTRICAL DRAWINGS
ELEC	ELECTRICAL	SEQ	SCIENCE & ENGINEERING QUAD
EP	EDGE OF PAVEMENT	SIG	SIGNAL
EW	END OF WALL	SLD	SEE LANDSCAPE DRAWINGS
EX	EXISTING	SS	SANITARY SEWER
FDC	FIRE DEPARTMENT CONNECTION	SSR	SOUTH SERVICE ROAD
FG	FINISHED GRADE	SW	SEARSVILLE WATER
FS	FIRE SERVICE	TC	TOP OF CURB
GES	GREEN EARTH SCIENCE	TEL	TELEPHONE
INV	INVERT	TYP	TYPICAL
KV	KILO - VOLT	TW	TOP OF WALL
L	LEFT OF CENTERLINE	VC	VERTICAL CURVE
MH	MANHOLE	W	WATER
		WM	WATER METER

IMPERVIOUS / PVIOUS SUMMARY

EXISTING AREA		
AREA	DESCRIPTION	C
0.72 ACRES	PERVIOUS	0.30
1.17 ACRES	IMPERVIOUS	0.85

TREE SUMMARY

SEE LANDSCAPE PLANS FOR DETAILS

PROPOSED AREA

ACRE	DESCRIPTION	C
0.85 ACRES	PERVIOUS	0.30
1.04 ACRES	IMPERVIOUS	0.85

DECREASE IN IMPERVIOUS AREA

DECREASE = EXISTING IMPERVIOUS - PROPOSED IMPERVIOUS
 = 1.17 - 1.04
 = 0.13 ACRES

PROJECT DESCRIPTION

SIDEWALK IMPROVEMENTS ON JANE STANFORD WAY TO CONVERT IT TO A BIKE/PEDESTRIAN MALL THAT ALSO SERVES THE STANFORD MARGUERITE BUS AND EMERGENCY VEHICLES.

PROJECT MANAGER

STEVE BUI
 415 BROADWAY, 3RD FLOOR
 REDWOOD CITY, CA 94063
 (650) 497-0285
 stevebui@stanford.edu

UNAUTHORIZED CHANGES & USES
 THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CALIFORNIA COUNCIL
 OF CIVIL ENGINEERS
 & LAND SURVEYORS

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

CALIFORNIA COUNCIL
 OF CIVIL ENGINEERS
 & LAND SURVEYORS

UTILITY NOTES

- ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY THE ACTUAL LOCATION OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
- STANFORD ARBORIST SHALL BE PRESENT FOR ANY EXCAVATION/DEMOLITION WITHIN 10' OF EXISTING TREE DRIPLINES.
- REPLACE ALL VAULT/BOX COVERS AS NEEDED TO MEET H-20 LOADING IF LOCATION IS SUBJECT TO VEHICULAR TRAFFIC.
- CONTRACTOR SHALL ADJUST TO GRADE, AS NECESSARY ALL EXISTING SURFACE FEATURES SUCH AS UTILITY VALVES, VAULTS AND COVERS WHICH ARE IMPACTED BY THE PROPOSED IMPROVEMENTS.
- STORM AND SEWER VERTICAL ALIGNMENT TO GOVERN IN UTILITY CROSSING CONFLICTS. UTILITY TO CROSS ABOVE IF MINIMUM COVER CAN BE MAINTAINED; OTHERWISE CROSS BELOW AND MAINTAIN 12" MINIMUM VERTICAL SEPARATION BETWEEN UTILITY CROSSINGS.
- REFER TO TRENCH BACKFILL AND RESURFACING FOR ALL UTILITY TRENCHING.
- REPLACE CURB OR CURB AND GUTTER DISTURBED BY UTILITY CONSTRUCTION.
- STORM DRAIN: PVC SDR 35 FOR LINES SMALLER THAN 12". RCP CLASS III FOR 12" AND LARGER.

MISCELLANEOUS NOTES

- NOTIFY THE SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.
- EXISTING TREES SHALL BE PROTECTED IN PLACE BY FENCING DURING PERIOD OF CONSTRUCTION. TEMPORARY CRIBBING MAY BE NEEDED TO PROTECT SOILS AROUND TREES TO KEEP THEM FROM SLOUGHING AND EXPOSING ROOTS. CONTRACTOR TO GET OWNER APPROVAL TO CUT ROOTS LARGER THAN 3/4" DIAMETER.
- ALL WORK SHALL CONFORM TO STANFORD'S STANDARD DETAILS, SPECIFICATIONS, AND GUIDELINES.

SWPPP/NOI NOTE

- AN NOI HAS BEEN FILED WITH THE STATE WATER RESOURCES CONTROL BOARD FOR COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT. WID# 2-----

INDEX OF SHEETS

CIVIL		LANDSCAPE	
C1.0	TITLE SHEET	L-0.0	SHEET INDEX, NOTES, AND LEGENDS
C1.1	CONSTRUCTION NOTES	L-1.0	LAYOUT AND MATERIALS PLAN
PL1.1	GUP INFORMATION MAP	L-1.1	LAYOUT AND MATERIALS PLAN
PL1.2	IMPERVIOUS AREA EXHIBIT	L-1.2	LAYOUT AND MATERIALS PLAN
C2.0	DEMOLITION PLAN	L-1.3	LAYOUT AND MATERIALS PLAN
C3.0	HORIZONTAL CONTROL PLAN	L-1.4	GRANITE CURB JOINTING PLAN
C4.0	GRADING AND UTILITY PLAN	L-1.5	GRANITE CURB JOINTING PLAN
C5.0	STORMWATER CONTROL PLAN	L-2.0	LANDSCAPE DETAILS
C6.0	EROSION CONTROL PLAN	L-2.1	LANDSCAPE DETAILS
C6.1-C6.2	EROSION CONTROL BMP SHEETS	L-2.2	LANDSCAPE DETAILS
C6.3	EROSION CONTROL NOTES & DETAILS	L-2.3	LANDSCAPE DETAILS
C7.0-C7.1	CONSTRUCTION DETAILS	L-2.4	LANDSCAPE DETAILS
C8.0	CONSTRUCTION SITE LOGISTICS & SAFETY PLAN	L-2.5	LANDSCAPE DETAILS
C9.0	SIGNING & STRIPING PLAN		

PROJECT NOTES

- THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD) HAS IDENTIFIED A SET OF FEASIBLE PM10 CONTROL MEASURES FOR ALL CONSTRUCTION ACTIVITIES. THESE CONTROL MEASURES, AS PREVIOUSLY REQUIRED IN THE PROGRAM EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES.
- WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
- COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
- PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
- SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
- 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, SANDBAGS 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 EXISTING TRUCKS, OR WASH OFF TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE; AND
- SUSPEND ALL EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.
- ALL CONSTRUCTION CONTRACTORS SHALL PROPERLY MAINTAIN THE EQUIPMENT AND WHERE FEASIBLE, USE "CLEAN FUEL" EQUIPMENT AND EMISSIONS CONTROL TECHNOLOGY (E.G., CNG FIRED ENGINES, CATALYTIC CONVERTERS, PARTICULATE TRAPS, ETC.). MEASURES TO REDUCE DIESEL FUEL EMISSION WOULD BE CONSIDERED FEASIBLE WHEN THEY ARE CAPABLE OF BEING USED ON EQUIPMENT WITHOUT INTERFERING SUBSTANTIALLY WITH EQUIPMENT PERFORMANCE.
- 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 TO 6:00 PM ON WEEKDAYS.
- TRUCKS EXPORTING/IMPORTING FILL DIRT AND BUILDING MATERIALS FOR THE PROJECT SHALL USE APPROVED TRUCK ROUTES SHOWN IN THE 2000 GUP, AS DESIGNATED BY THE CITIES OF PALO ALTO AND MENLO PARK.
- THE WATER AND SANITARY UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.
- GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL.
- THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
- PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADED SLOPES AND REDUCE THE POTENTIAL FOR EROSION ON THE SUBJECT SITE.
- EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR ROUND BASIS, DEPENDING ON THE SEASON, WEATHER, AND FIELD CONDITIONS. EROSION CONTROL MEASURES IN ADDITION TO THOSE NOTED IN THE PERMITTED PLANS MAY BE NECESSARY. FAILURE TO INSTALL SITE AND SITUATIONALLY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES AND A STOPPAGE OF WORK.
- THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLANS. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION PLANS TO PREVENT ILLICIT DISCHARGES FROM THE SITE DURING CONSTRUCTION.
- THE CONSTRUCTION INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND AN UPDATED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON THE SITE.
- IN THE EVENT THAT PREVIOUSLY UNIDENTIFIED HISTORIC OR 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.
- THE CONTRACTOR SHALL FILE FOR AND OBTAIN BUILDING PERMITS FOR ALL STRUCTURES AND BRIDGES TO BE CONSTRUCTED, AND FOR ALL LIGHTING TO BE INSTALLED FOR THE PROJECT.
- THE PROJECT HAS BEEN CONDITIONED TO REQUIRE ALL TRUCK TRAVEL TO USE ONLY APPROVED AREA TRUCK ROUTES, AND ALL TRUCK TRAVEL, EITHER FOR EXCAVATING MATERIALS OR FOR TRANSPORTING CONSTRUCTION MATERIALS TO THE SITE, WOULD USE THESE ROUTES CONSISTENT WITH REQUIREMENTS UNDER THE GUP. FURTHER, THE PROJECT HAS BEEN CONDITIONED TO RESTRICT CONSTRUCTION MATERIAL DELIVERIES TO NON-PEAK HOURS.
- THE PROJECT MAY CREATE TEMPORARY NOISE IMPACTS DUE TO CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC. THE CONTRACTOR SHALL SUBMIT A TRAFFIC AND CONSTRUCTION MANAGEMENT PLAN. FURTHER, CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7 AM AND 7 PM, MONDAY THROUGH SATURDAY, WITH NO CONSTRUCTION OCCURRING AFTER 7 PM OR ON SUNDAYS.

SITE DATA INFORMATION

GENERAL

APN:	142-04-036
PARCEL SIZE:	579 AC
DEVELOPMENT DISTRICT:	DAPER AND ADMINISTRATIVE/ EAST CAMPUS
LAND USE DESIGNATION:	ACADEMIC CAMPUS
SITE AREA:	1.89 AC
DEMOLITION AREA:	0.98 AC

PERCENTAGE OF SITE AREA

BUILDING:	0%
PARKING/DRIVEWAYS:	0%
SIDEWALKS/STREETS:	62%
OUTSIDE STORAGE:	0%
LANDSCAPING:	38%
UNDEVELOPED:	0%

ESTIMATED CUT AND FILL:

CUT:	1,400 CUBIC YARDS
FILL:	1,600 CUBIC YARDS

1730 N. FIRST STREET
 SUITE 600 CA 95112
 408-467-9100
 408-467-9189 (FAX)



CALIFORNIA

JANE STANFORD WAY
 SIDEWALK IMPROVEMENTS
 TITLE SHEET
 SANTA CLARA COUNTY

STANFORD UNIVERSITY

Revisions	No.	Date	Scale	Drawn	Approved	Job No.
		03/15/2023		MM	DP	20156040



Drawing Number:
C1.0
 OF

DATE PLOTTED: 03/15/23 11:03:53 AM
 PLOT FILE: C:\Users\stanford\OneDrive\Documents\BKF\Projects\Stanford\JANE STANFORD WAY\DWG\C1.0.dwg
 PLOTTER: HP DesignJet T1100PS
 PLOT SCALE: 1:1

COUNTY OF SANTA CLARA

General Construction Specifications

GENERAL CONDITIONS

- 1. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY CONSULTANTS AND DATED 5/2/21...

CONSTRUCTION STAKING

- 1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC. FOR THE CONVENIENCE OF CONTRACTORS...

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE. THE COUNTY REQUIRES A MINIMUM OF 24 HOURS ADVANCE NOTICE FOR GENERAL INSPECTION...

SITE PREPARATION (CLEARING AND GRUBBING)

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

UTILITY LOCATION, TRENCHING & BACKFILL

- 1. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY...

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE. WHERE FILL MATERIAL IS TO BE PLACED ON NATURAL GROUND, IS SHALL BE STRIPPED OF ALL VEGETATION...

Table with columns: LOCATION, BUILDING, ACCESSORY STRUCTURE, POOL/HARDSCAPE, LANDSCAPE, DRIVEWAY/ACCESS ROAD, TOTAL. Rows show quantities for CUT (C.Y.), FILL (C.Y.), and VERT. DEPTH.

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

TREE PROTECTION

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFERING WITH THE LIMITS OF GRADING OR PROPOSED ROADWAY DEVELOPMENT ON SITE, THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES...

ACCESS ROADS AND DRIVEWAYS

- 1. DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES PER FOOT).

STREET LIGHTING

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

SANITARY SEWER

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

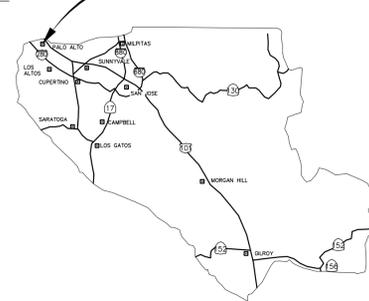
RETAINING WALLS

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

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

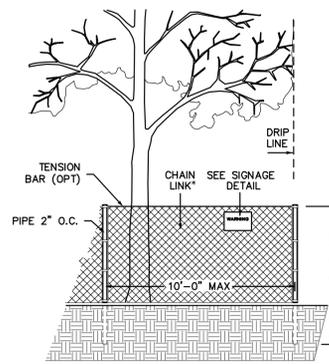
- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY. 2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.

PROJECT AREA



COUNTY LOCATION MAP

*CONTRACTOR'S OPTION TO INSTALL ORANGE SNOW FENCE INSTEAD OF CHAIN LINK FENCE.



PORTLAND CEMENT CONCRETE

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

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES...

AS-BUILT PLANS STATEMENT

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

DATE SIGNATURE NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK.

GEOTECHNICAL ENGINEER OBSERVATION

- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.

BENCHMARKS

- S-27 FOUND 2" BRASS DISK W/ PUNCH MARK, STAMPED "STANFORD 27, LS 5237", NORTHEAST OF FOUNTAIN IN CIRCULAR CONCRETE WALK ON SERRA MALL. NO MAP OF RECORD.

SURVEY MONUMENT PRESERVATION

- 1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS ACCORDING TO THE REQUIREMENTS OF THE CALIFORNIA SURVEYING AND MAPPING ACT.

SCOPE OF WORK

- 1. THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLAN. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION CONTROL PLANS TO PREVENT ILLICIT DISCHARGES FROM THE SITE DURING CONSTRUCTION.

EXISTING TREE PROTECTION DETAILS

- 1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST.

LEGEND

SEE SHEET C1.0 FOR THE LEGEND.

SHEET INDEX

Table with columns: Revision, Date, Description, and Sheet of. Includes fields for Engineer's Name (BKF ENGINEERS), Address (1730 N. FIRST STREET, SUITE 600), and Drawing Number (C1.0).

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORTS ISSUED BY: DATE: ENCROACHMENT PERMIT NO.

COUNTY OF SANTA CLARA LAND DEVELOPMENT ENGINEERING & SURVEYING GRADING / DRAINAGE PERMIT NO. ISSUED BY: DATE:

ENGINEER'S STATEMENT

I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE APPROVED TENTATIVE MAP (OR PLAN) AND CONDITIONS OF APPROVAL PERTAINING THERETO DATED 1/1/2023 FILE(S) NO. 00000-0000.

DATE 3/15/2023 SIGNATURE DOUGLAS PETERSEN PE 76759 CIVIL 12/31/24

COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITTEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS.

DATE 9/30/2024 SIGNATURE DARRELL K. H. WONG R.C.E. NO. EXPIRATION DATE

Vertical text on the left margin: COUNTY OF SANTA CLARA DEPARTMENT OF ROADS AND AIRPORTS

1730 N. FIRST STREET SUITE 600 SAN JOSE, CA 95112 408-467-9100 408-467-9199 (FAX)

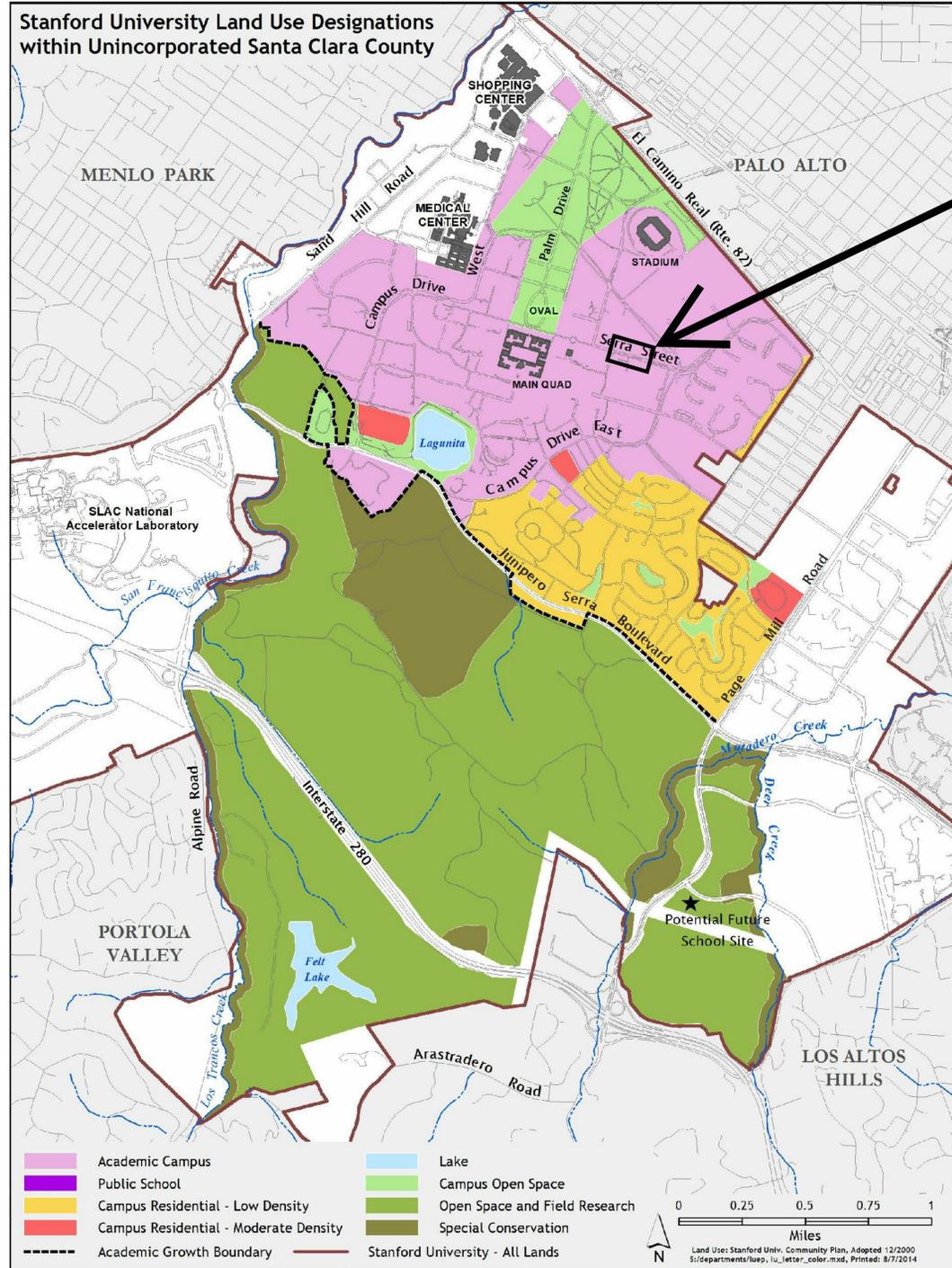


CALIFORNIA

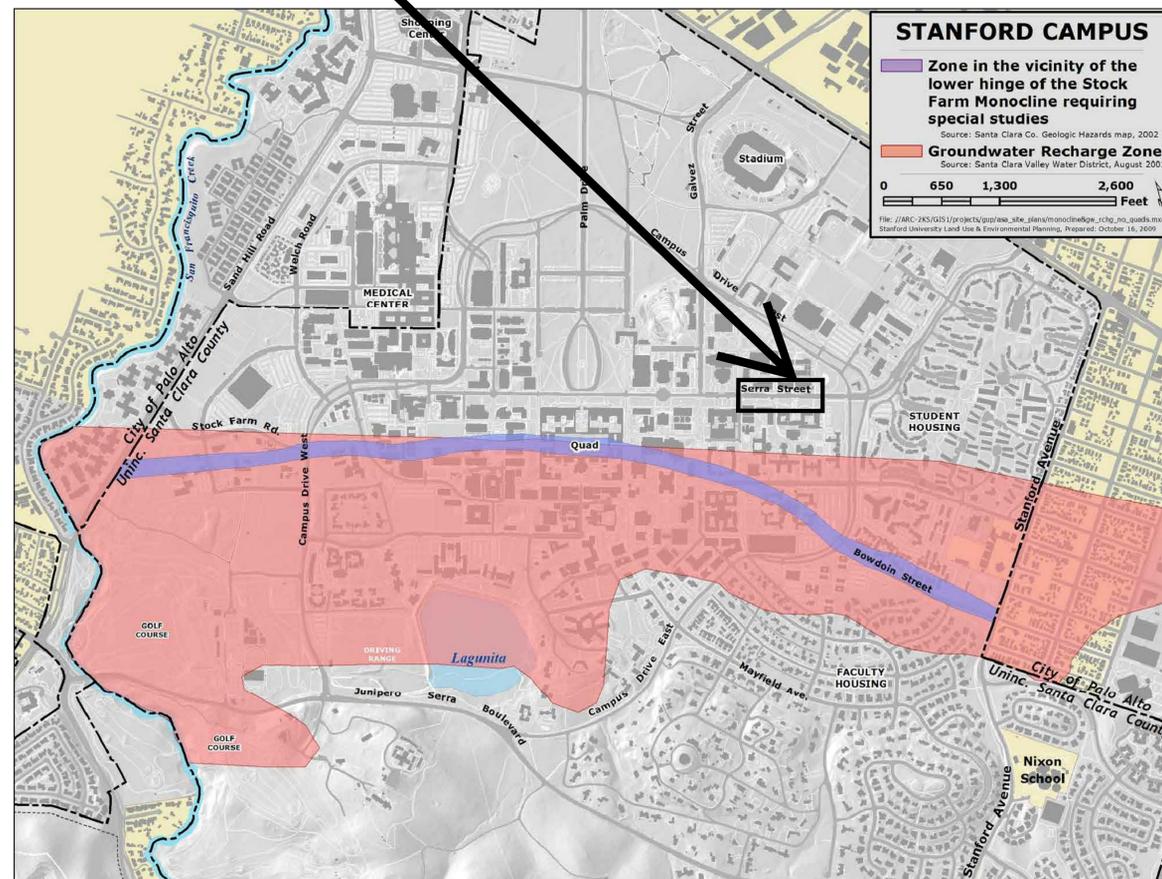
JANE STANFORD WAY SIDEWALK IMPROVEMENTS TITLE SHEET SANTA CLARA COUNTY STANFORD UNIVERSITY



GUP INFORMATION MAP



PROPOSED SITE



1730 N. FIRST STREET
SUITE 600
SANTA CLARA, CA 95112
408-467-9100
408-467-9199 (FAX)

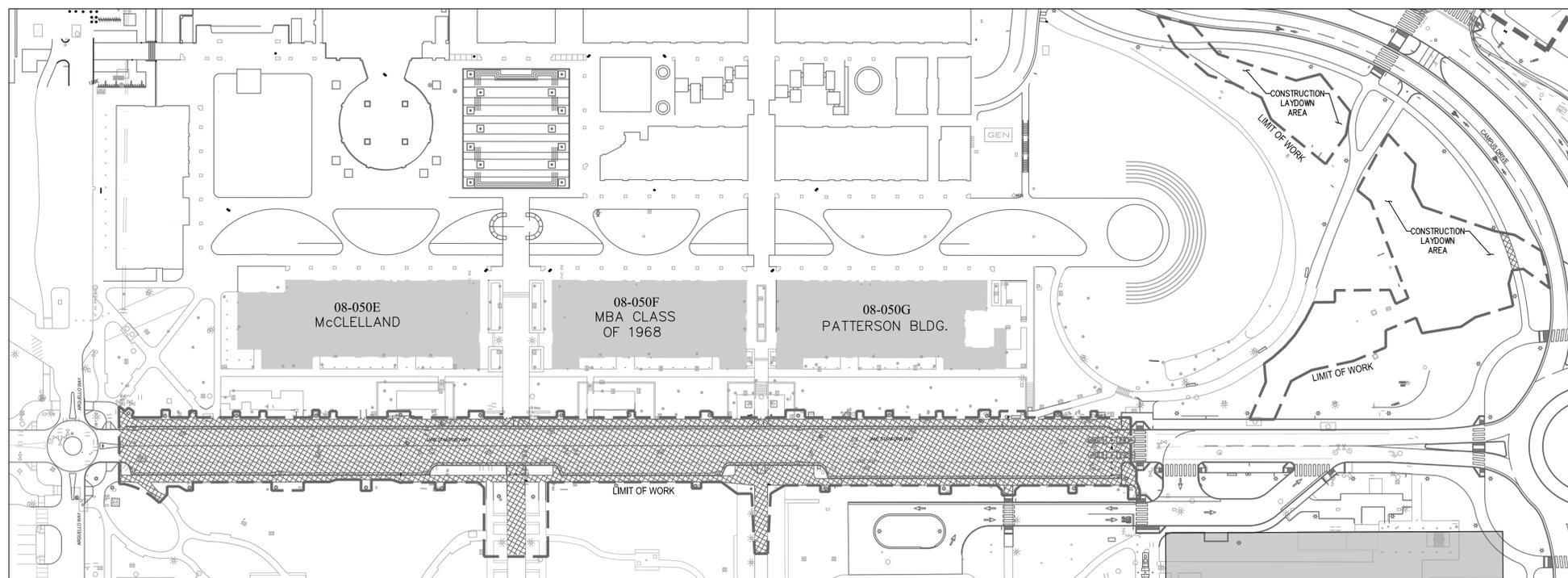


JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
GUP INFORMATION MAP
STANFORD UNIVERSITY SANTA CLARA COUNTY CALIFORNIA

No.	Revisions

Date: 03/15/2023
Scale: 1"=20'
Design: MW
Drawn: MW
Approved: DP
Job No: 20156040
Drawing Number:
PL1.1
OF

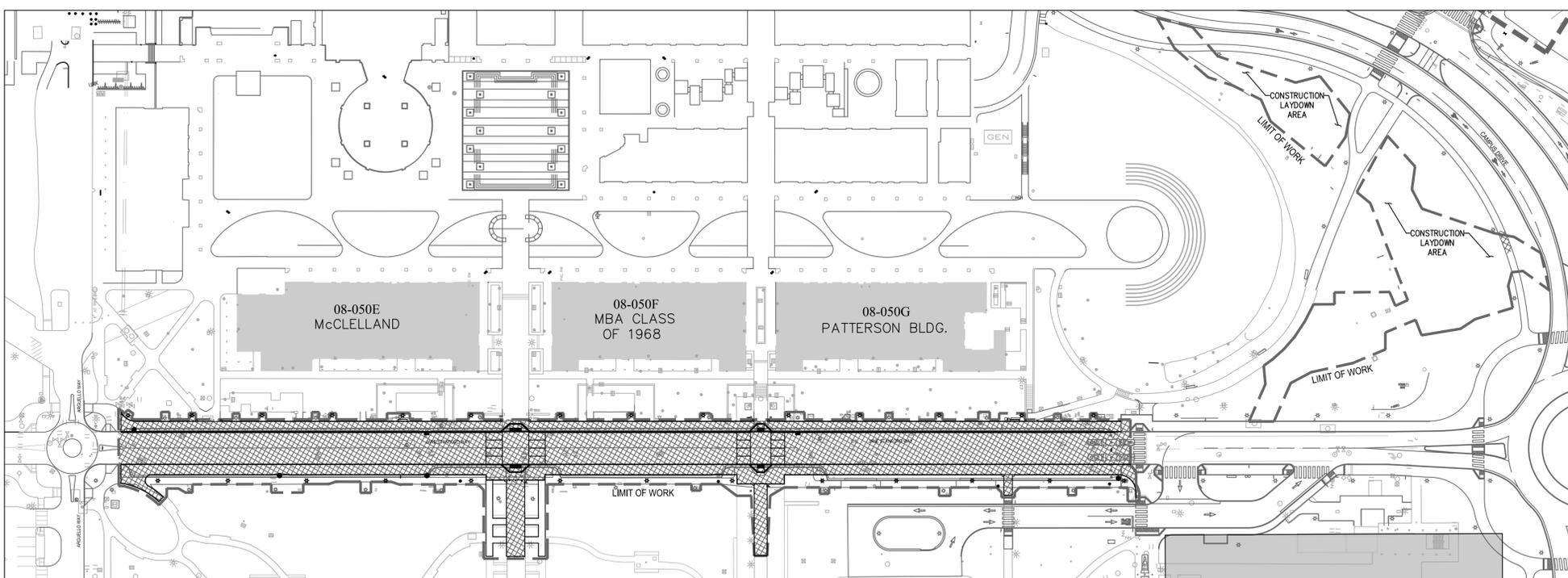
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EXISTING CONDITIONS

EXISTING CONDITIONS LEGEND

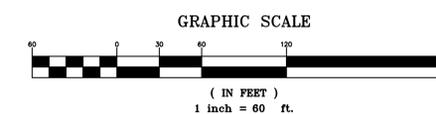
	IMPERVIOUS CONDITIONS	50,978 SF	1.17 ACRES
	PERVIOUS CONDITIONS	31,536 SF	0.72 ACRES



PROPOSED CONDITIONS

PROPOSED CONDITIONS LEGEND

	IMPERVIOUS CONDITIONS	45,507 SF	1.04 ACRES
	PERVIOUS CONDITIONS	37,007 SF	0.85 ACRES



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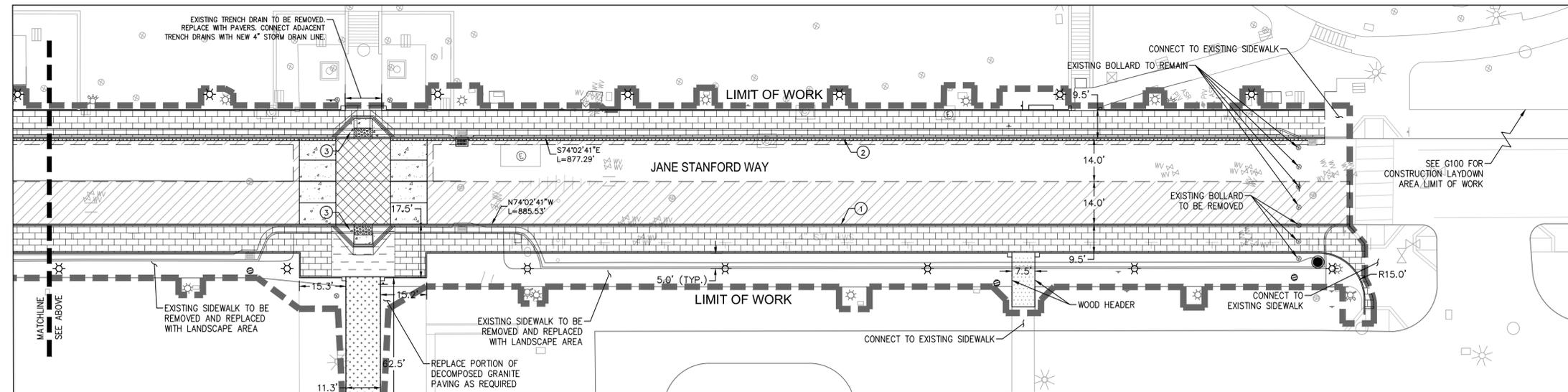
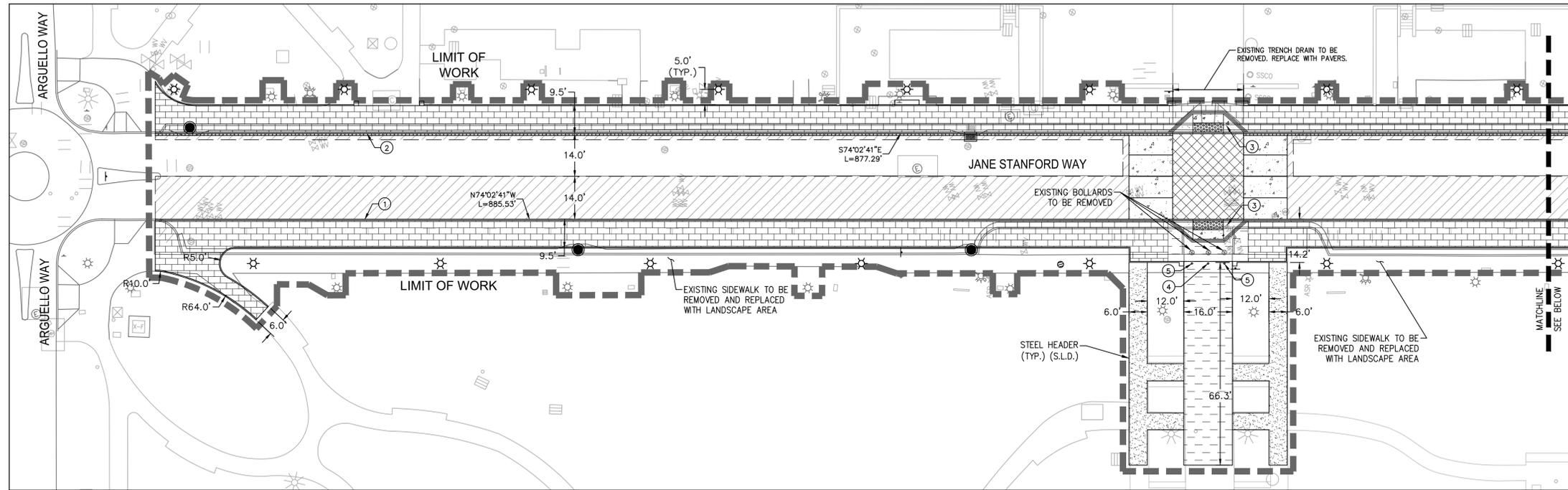


JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
IMPERVIOUS AREA EXHIBIT
STANFORD UNIVERSITY SANTA CLARA COUNTY CALIFORNIA

Revisions	
No.	Description

Date: 03/15/2023
Scale: 1"=60'
Design: LW
Drawn: MW
Approved: DP
Job No: 20156040
Drawing Number:
PL12
OF

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 CHECKED BY: DP

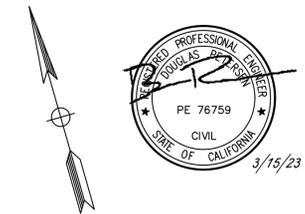


LEGEND

- VEHICULAR ASPHALT CONCRETE PAVING (4" AC / 12" CL II AB)
- PEDESTRIAN ASPHALT BRICK PAVERS (S.L.D.)
- PEDESTRIAN AC PAVING (SEE STANFORD STD DET. CS-286/C-4) (2" AC / 4" CL II AB)
- DECOMPOSED GRANITE (S.L.D.)
- VEHICULAR ASPHALT BLOCK PAVERS - ON CONCRETE SLAB (S.L.D.)
- PEDESTRIAN CONCRETE UNIT PAVING (S.L.D.)
- VEHICULAR CONCRETE (S.L.D.)
- VEHICULAR ASPHALT BLOCK PAVING - ON AGGREGATE BASE (S.L.D.)
- SAWCUT
- GRANITE CURB
- FLUSH CURB (S.L.D.)

KEY NOTES

- ① GRANITE CURB
- ② GRANITE CURB WITH TRENCH DRAIN
- ③ CURB RAMP (SEE STANFORD STD DET CS-292)
- ④ REMOVABLE METAL BOLLARD (SEE STANFORD STD DET CS-308)
- ⑤ FIXED METAL BOLLARD (SEE STANFORD STD DET CS-309)



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SUITE 600 CA 95112
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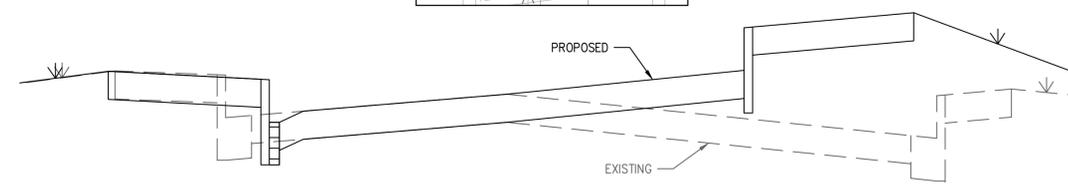
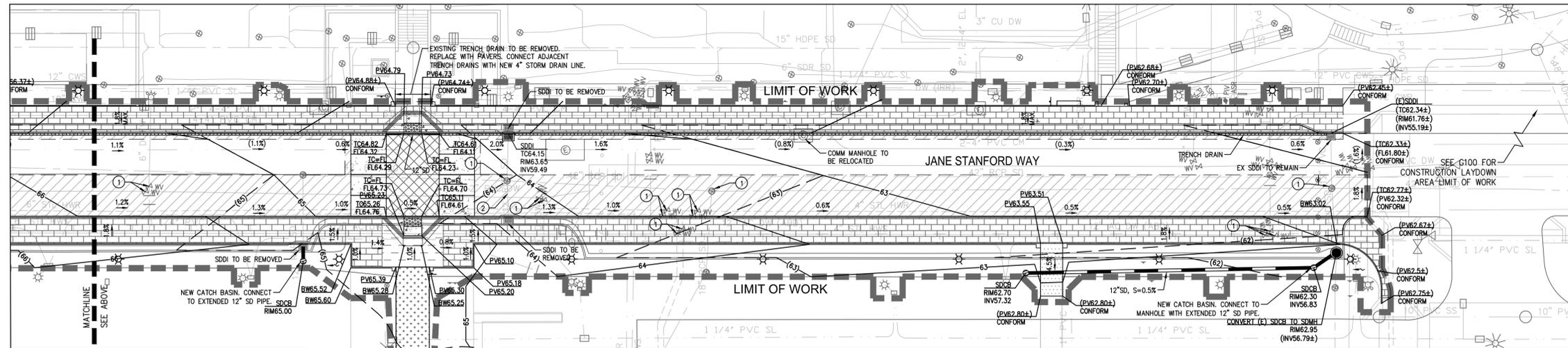
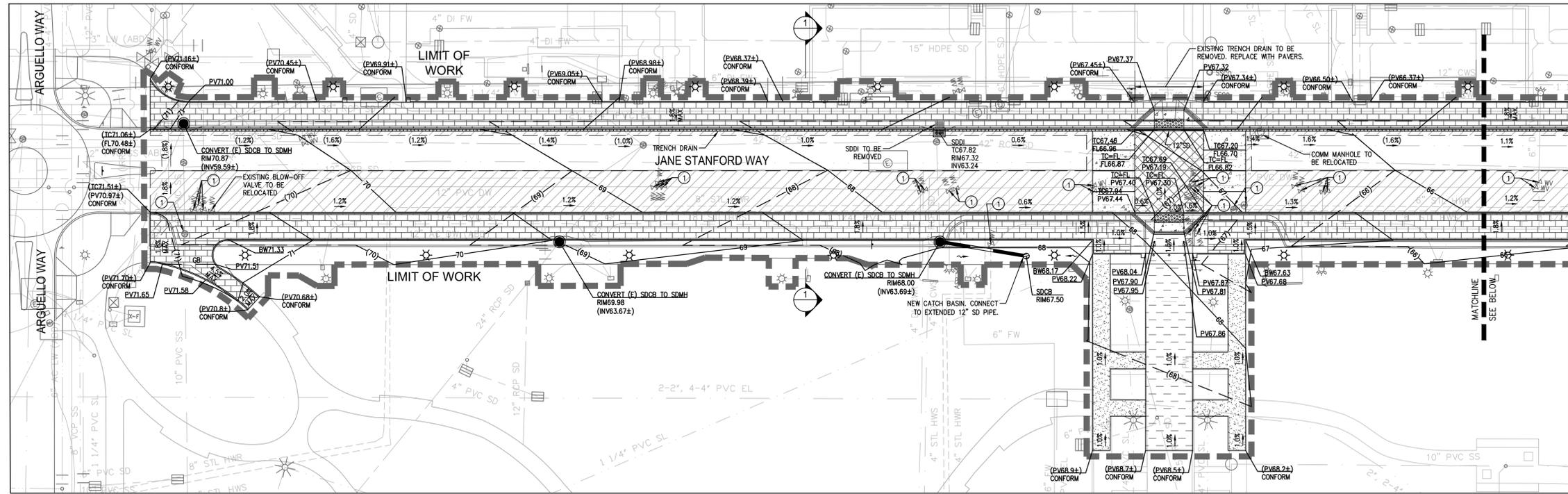


CALIFORNIA
**JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
HORIZONTAL CONTROL PLAN**
STANFORD UNIVERSITY SANTA CLARA COUNTY

Revisions	
No.	Description

Date: 03/15/2023
Scale: 1"=20'
Design: MW
Drawn: MW
Approved: DP
Job No: 20156040
Drawing Number:
C3.0
OF

PROJECT: 20156040 - JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 DRAWN BY: MW
 DATE: 03/15/2023



SECTION 1
 HORIZONTAL SCALE: 1"=5'
 HORIZONTAL SCALE: 1"=1'

NOTES

1. SURFACE STRUCTURES, INCLUDING BUT NOT LIMITED TO, MANHOLES, WATER VALVE BOXES, CLEAN OUTS, ETC. SHALL BE BROUGHT TO FINISH GRADE AFTER PAVING IS COMPLETED.
2. CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND LOCATIONS OF EXISTING PIPES AND UTILITIES BEFORE EXCAVATION WORK OR MAKING ANY UTILITY CONNECTIONS.

STORMWATER TREATMENT

NEW/REPLACED IMPERVIOUS AREA TO BE TREATED VIA IN-LIEU CREDITS BY THE EAST CAMPUS STORM WATER CAPTURE FACILITY (COUNTY FILE NUMBER: 11044-17C3) (SEPARATE PROJECT).

EARTHWORK SUMMARY

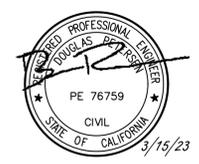
FILL: 1,600 CY
 CUT: 1,400 CY
 TOTAL: 3,000 CY

KEY NOTE

- ① RAISE RIM TO NEW FINISHED GRADE.
- ② STORM DRAIN LATERAL TO BE REMOVED.

LEGEND

- 70.50 PROPOSED SPOT GRADE
- (70.50±) EXISTING SPOT GRADE
- 1.8% DIRECTION OF FLOW (HARDSCAPE)
- 1.8% DIRECTION OF FLOW (LANDSCAPE)
- LIMIT OF WORK
- FL FLOW LINE
- PV PAVEMENT ELEVATION
- TC TOP OF CURB
- SDMH STORM DRAIN MANHOLE (STANFORD STD DET CS-201)
- SDDI STORM DRAIN DROP INLET AT GRANITE CURB (SEE DETAIL 1/C-5)
- SDCB ROUND DRAIN WITH BEEHIVE TYPE GRATE PER STANFORD FDG SPECIFICATION 33 40 00 (STANFORD STD DET CS-261)



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JANE STANFORD WAY
 SIDEWALK IMPROVEMENTS
 GRADING AND UTILITY PLAN
 STANFORD UNIVERSITY SANTA CLARA COUNTY CALIFORNIA

Revisions	No.	Date	By	Appr.
		03/15/2023	LMW	DP

Date: 03/15/2023
 Scale: 1"=20'
 Design: LMW
 Drawn: MW
 Approved: DP
 Job No: 20156040
 Drawing Number: **C4.0**
 OF

PROJECT: 20156040 - JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 DRAWING: C4.0 - GRADING AND UTILITY PLAN
 DATE: 03/15/2023
 BY: LMW
 CHECKED: MW
 APPROVED: DP

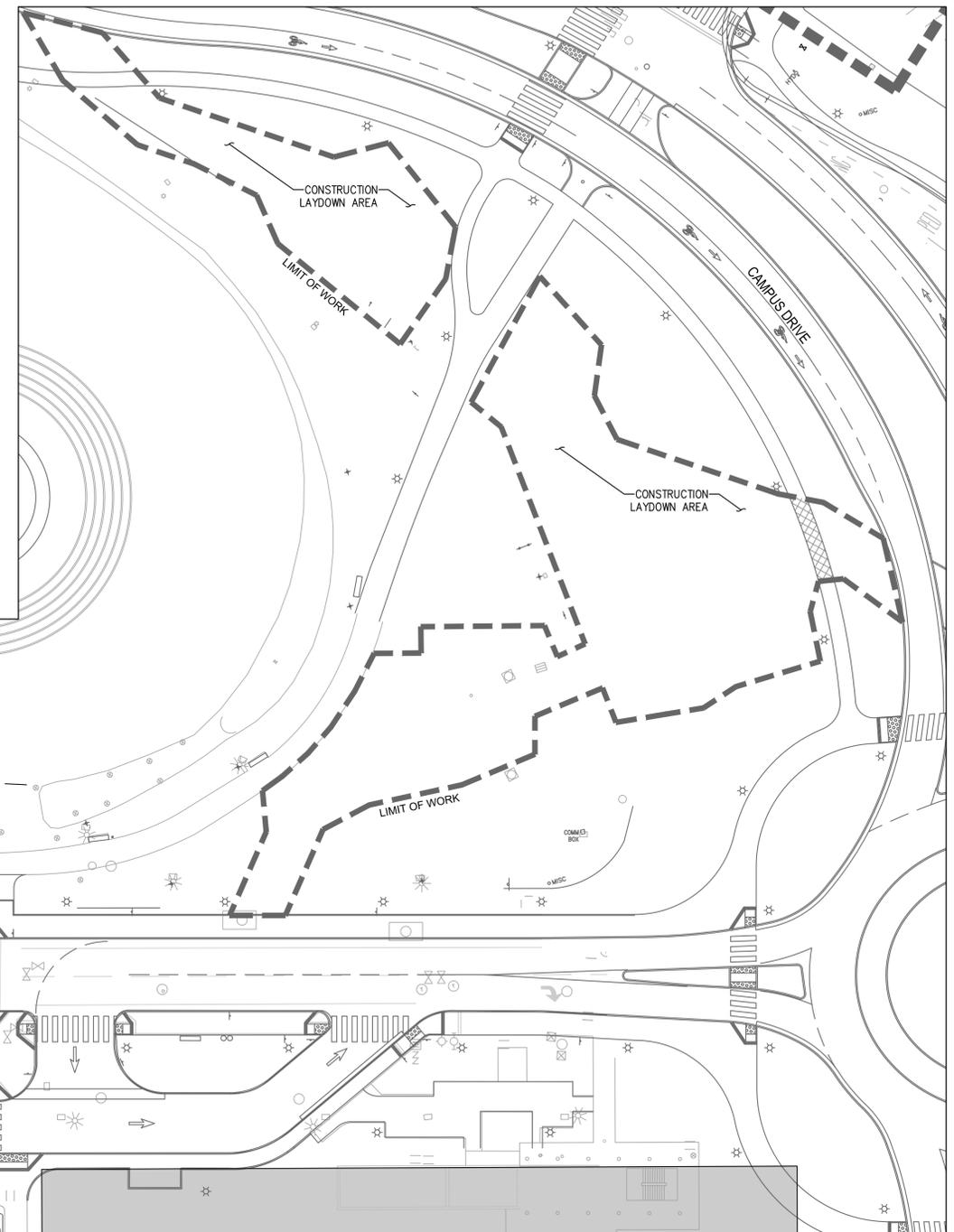
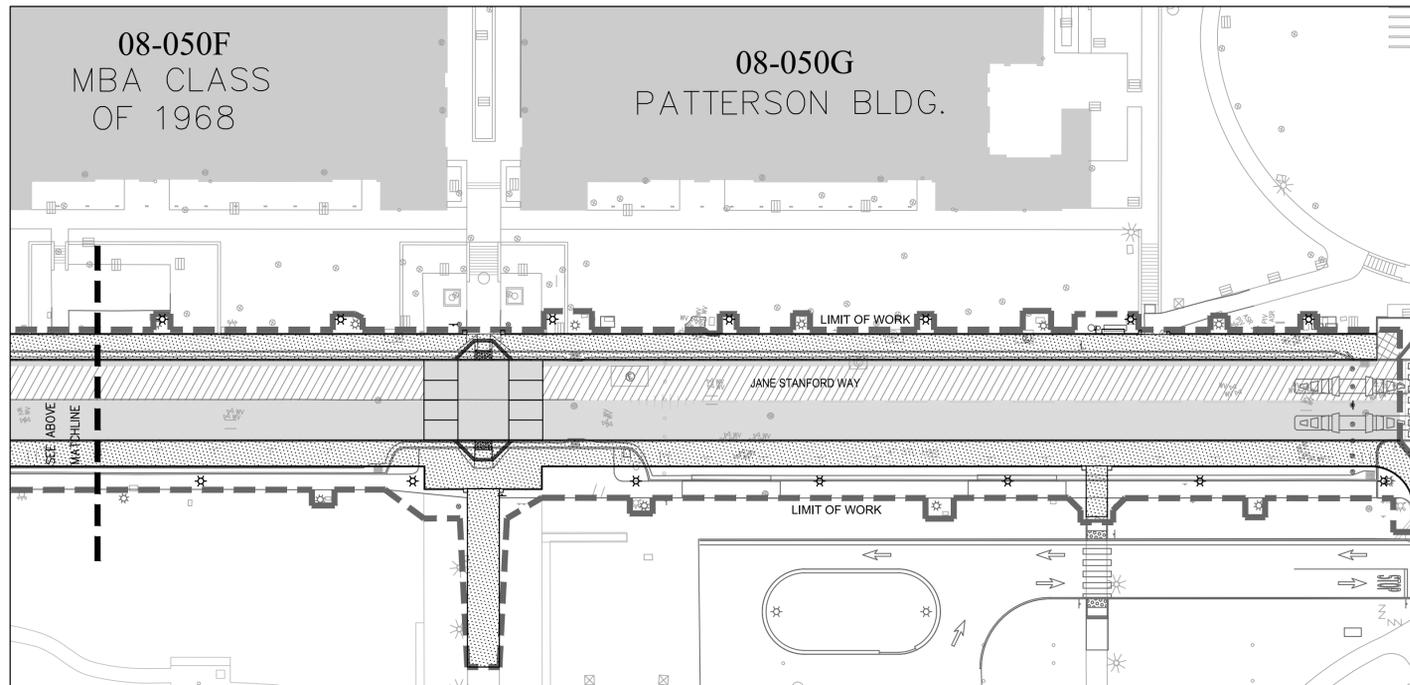
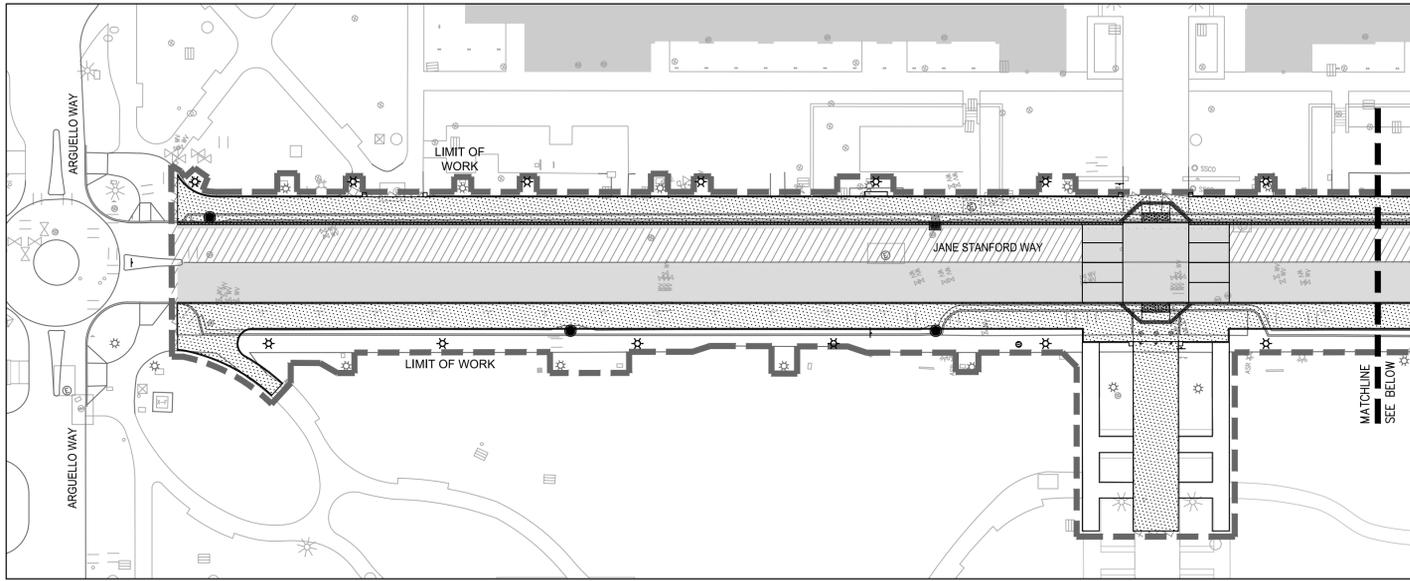
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STANFORD UNIVERSITY SANTA CLARA COUNTY CALIFORNIA
**JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
STORMWATER CONTROL PLAN**

Revisions	No.	Date	By	Check
		03/15/2023		

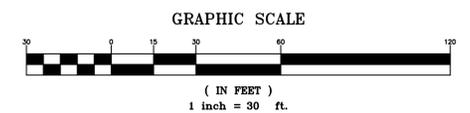
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Design: MW
Drawn: MW
Approved: DP
Job No: 20156040
Drawing Number:
C5.0
OF



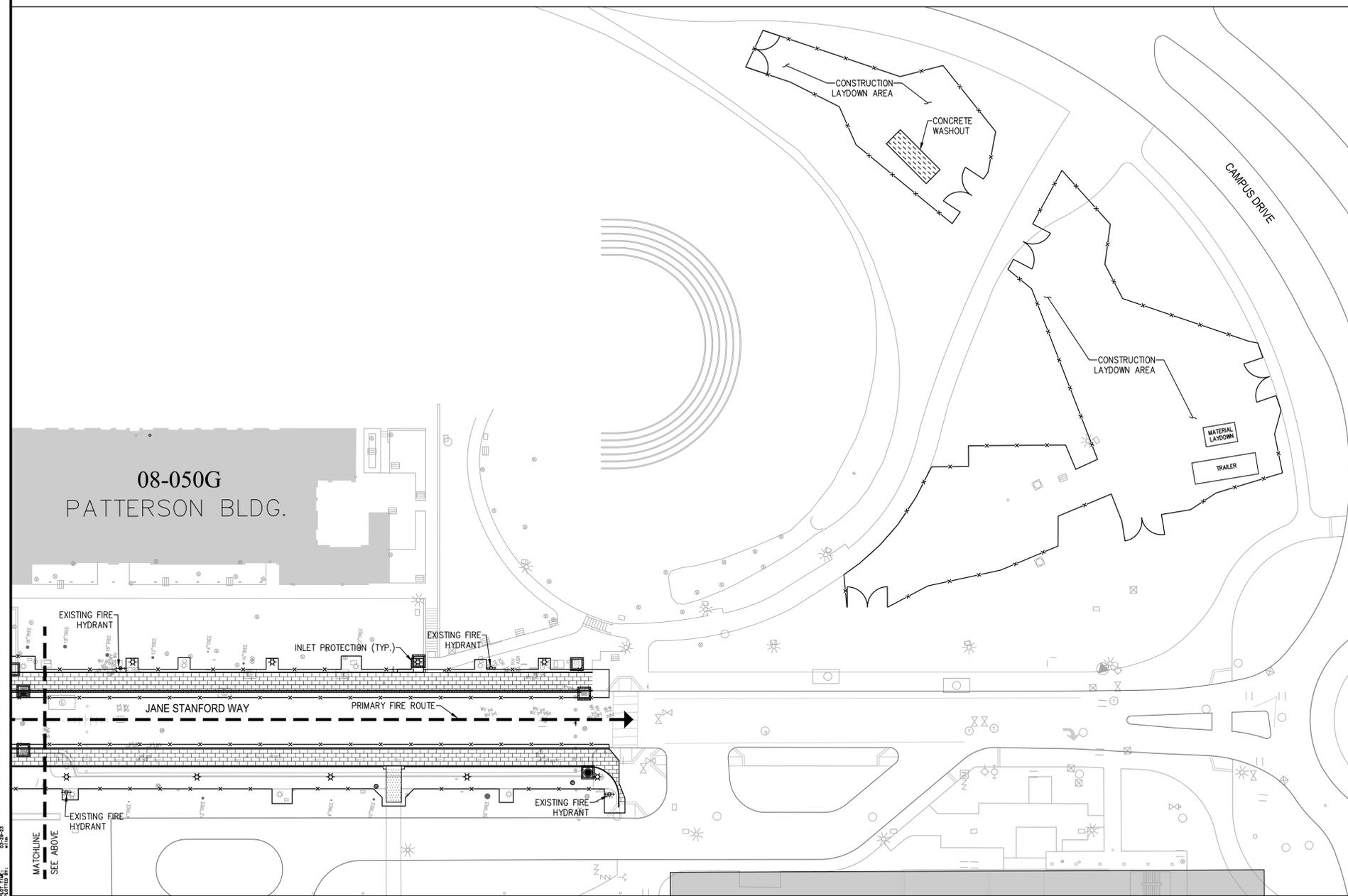
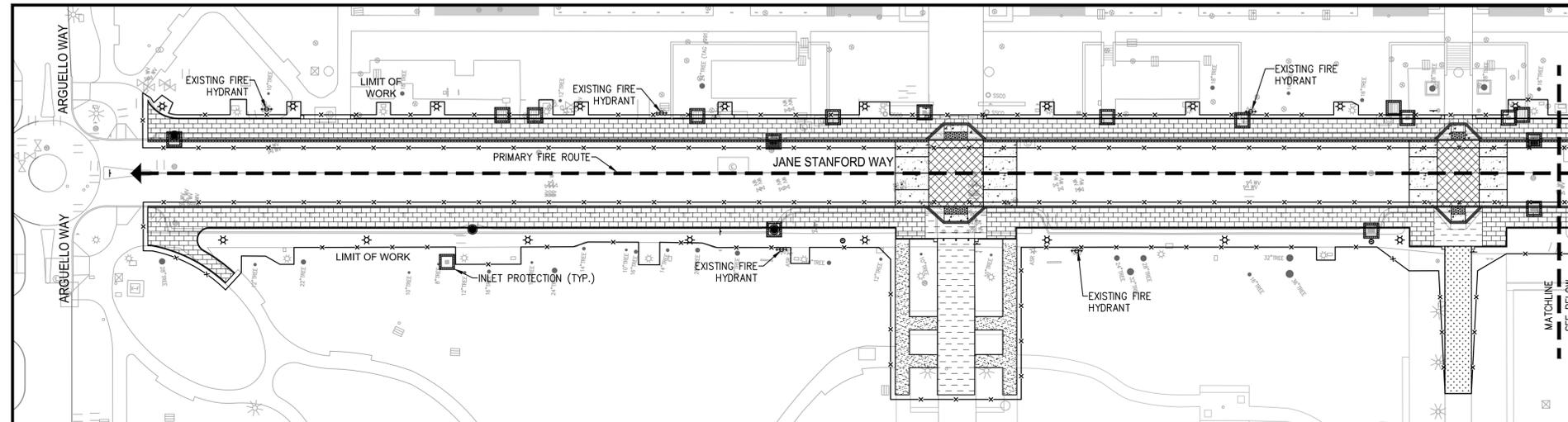
TRIBUTARY AREA	AREA SIZE (SF)	PERVIOUS AREA (SF)	IMPERVIOUS AREA						NEW/REPLACED IMPERVIOUS AREA (SF) REQUIRING IN-LIEU CREDITS FROM EAST CAMPUS STORMWATER CAPTURE FACILITY COUNTY PROJECT NUMBER: 11044-17C3 (SEPARATE PROJECT)	EXISTING IMPERVIOUS AREA (SF) TO REMAIN REQUIRING IN-LIEU CREDITS FROM EAST CAMPUS STORMWATER CAPTURE FACILITY COUNTY PROJECT NUMBER: 11044-17C3 (SEPARATE PROJECT)
			VEHICULAR			NON-VEHICULAR				
			EXISTING TO REMAIN (SF)	NEW/REPLACED (SF)	TOTAL (SF)	EXISTING TO REMAIN (SF)	NEW/REPLACED (SF)	TOTAL (SF)		
A-1	82,514	37,007	10,710	14,146	24,856	530	20,121	20,651	34,267	11,240

LEGEND

- NEW/REPLACED VEHICULAR IMPERVIOUS AREA
- NEW/REPLACED NON-VEHICULAR IMPERVIOUS AREA
- EXISTING VEHICULAR IMPERVIOUS AREA TO REMAIN
- EXISTING NON-VEHICULAR IMPERVIOUS AREA TO REMAIN
- EDGE OF TRIBUTARY AREA



PROJECT NAME: 031523 STANFORD UNIVERSITY SIDEWALK IMPROVEMENTS - JANE STANFORD WAY - C5.0
 DATE: 03/15/23
 DRAWN BY: MW
 CHECKED BY: DP



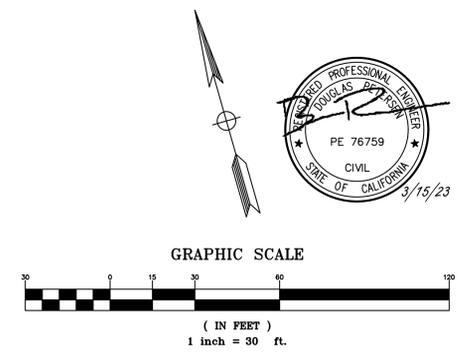
LEGEND

- X CONSTRUCTION FENCE, SILT FENCE AND FIBER ROLL (SEE 1/C6.1, 2/C6.1, AND 1/C6.2)
- [Symbol] STABILIZED CONSTRUCTION ENTRANCE/EXIT (SEE 3/C6.1)
- [Symbol] TIRE WASH (SEE 3/C6.2)
- [Symbol] STORM DRAIN INLET PROTECTION (SEE 4/C6.2, 6/C6.2, 8/C6.2 & 1/C6.1)
- [Symbol] CONCRETE WASHOUT (SEE 2/C6.2)

NOTES:

1. FOR GENERAL NOTES, SEE TITLE SHEET C1.0.
2. SEE SHEETS C6.1 AND C6.2 FOR STANDARD BEST MANAGEMENT PRACTICE (BMP) NOTES.
3. SEE SHEET C6.3 FOR STANDARD EROSION CONTROL NOTES.
4. FOR GENERAL SITE POLLUTION PREVENTION NOTES, SEE SHEET C6.3.
5. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 SHALL BE AT THE DISCRETION OF THE COUNTY OF SANTA CLARA BUILDING OFFICIAL.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL REQUIREMENTS SET FORTH IN THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) ORDER NO. R2-2009-0009-DWG, NPDES GENERAL PERMIT NO. CAS000002, STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES, SEPTEMBER 02, 2009, ALSO KNOWN AS THE CONSTRUCTION GENERAL PERMIT (CGP) AND THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETAIN A QUALIFIED STORM WATER POLLUTION PREVENTION PLAN PRACTITIONER (OSP) THAT WILL MONITOR THE SITE, IN ACCORDANCE WITH THE CGP.
8. THIS PLAN MAY NOT COVER ALL SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ANY SEDIMENT FROM LEAVING THE SITE, FIBER ROLLS, SAND BAGS, AND ADDITIONAL SILT FENCES SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY OR PERMANENT CATCH BASINS SHALL USE THE SEDIMENT BARRIERS SHOWN ON THIS PLAN.
9. DURING THE COURSE OF CONSTRUCTION, SAMPLING LOCATIONS ARE EXPECTED TO CHANGE. THE OSP AND CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING SAMPLING LOCATIONS DURING CONSTRUCTION.
10. CONTRACTOR SHALL INSTALL LINEAR SEDIMENT CONTROL ALONG THE TOE OF THE SLOPE, FACE OF THE SLOPE, AND GRADE BREAKS OF EXPOSED SLOPES TO COMPLY WITH THE FOLLOWING:

SLOPE	MAX SPACING
0-25%	20 FEET
25-50%	15 FEET
11. ANY ON-SITE PORTABLE TOILET(S) SHALL BE DOUBLE CONTAINED.



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JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
EROSION CONTROL PLAN
STANFORD UNIVERSITY SANTA CLARA COUNTY CALIFORNIA

Revisions	
No.	Description

Date: 03/15/2023
Scale: 1"=30'
Design: MW
Drawn: MW
Approved: DP
Job No: 20156040

Drawing Number:
C3.0
OF

Date: 03/15/2023	No.	Revisions
Scale: -		
Design: MW		
Drawn: MW		
Approved: DP		
Job No: 20156040		

Project Information

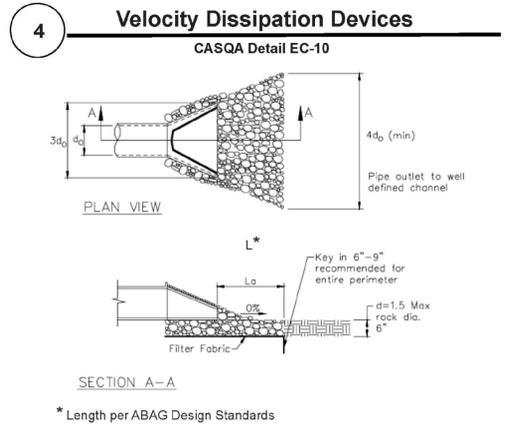
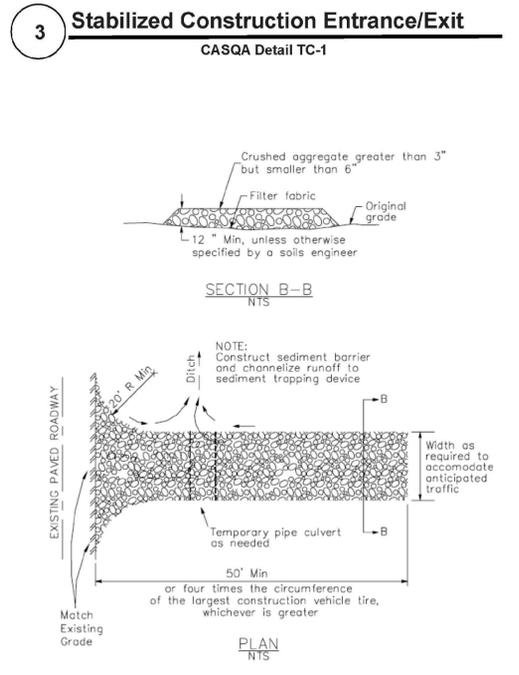
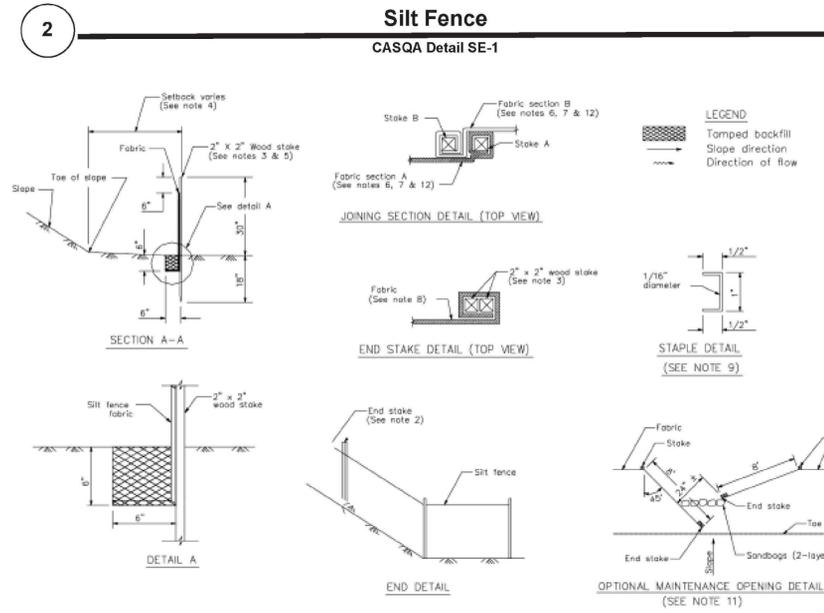
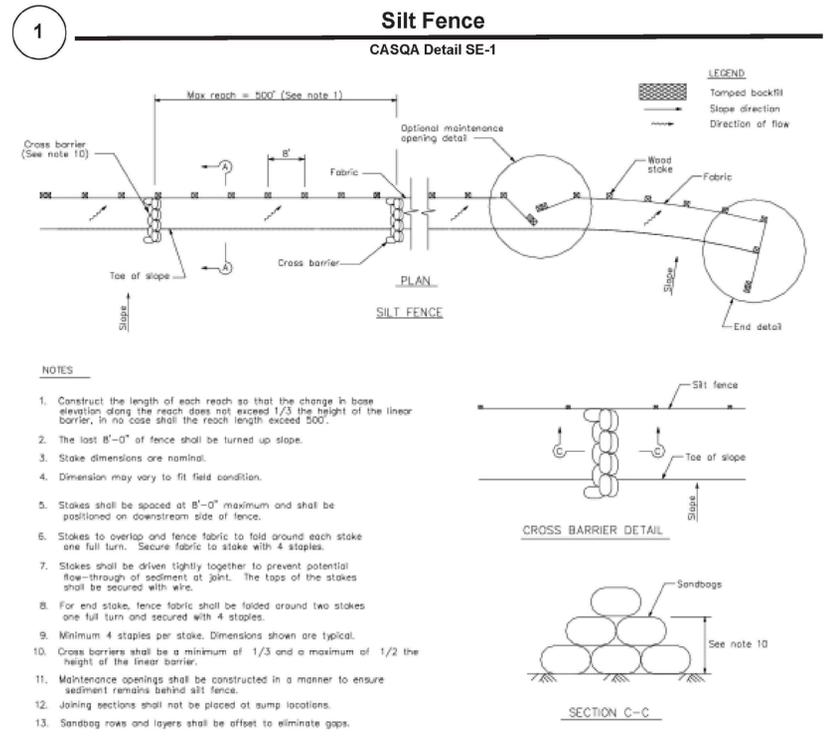


STANDARD EROSION CONTROL NOTES

- 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.

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.



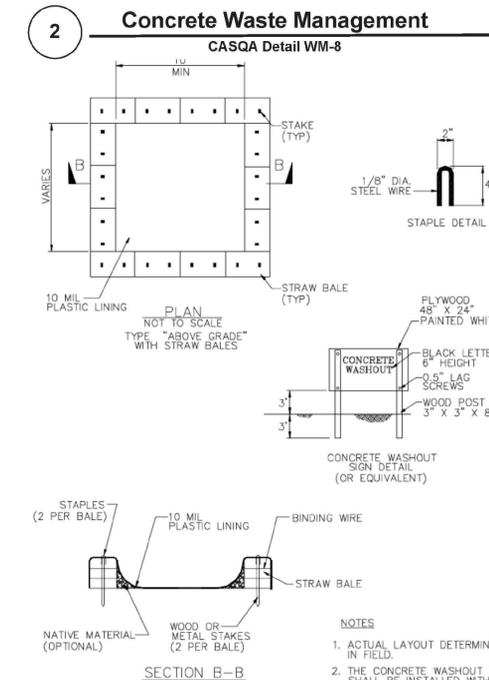
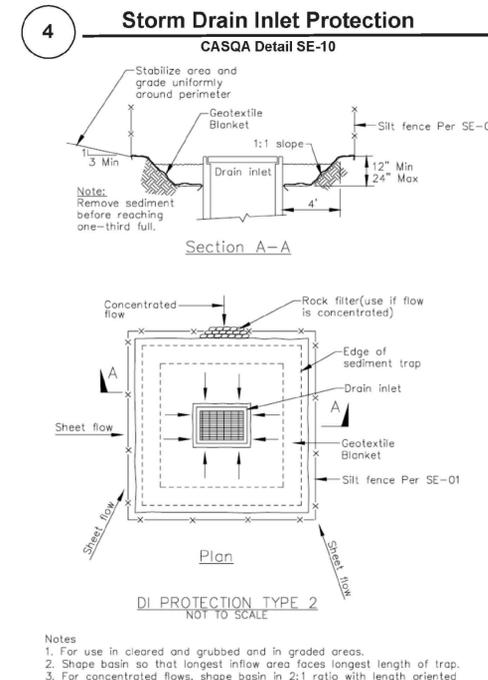
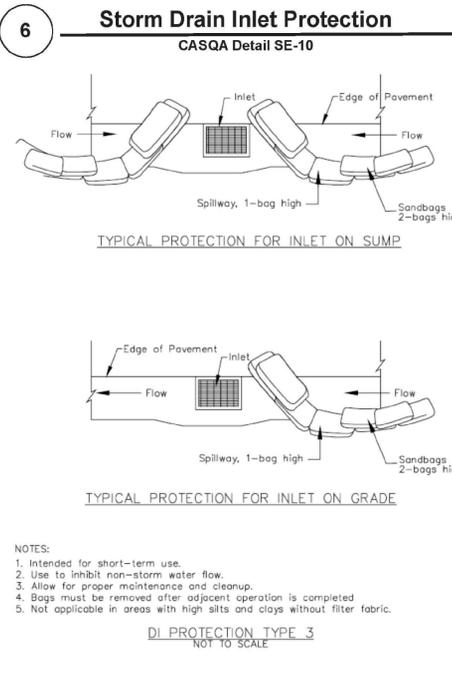
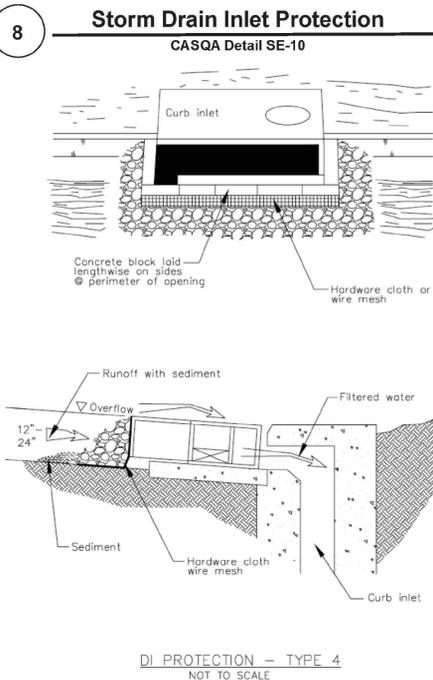
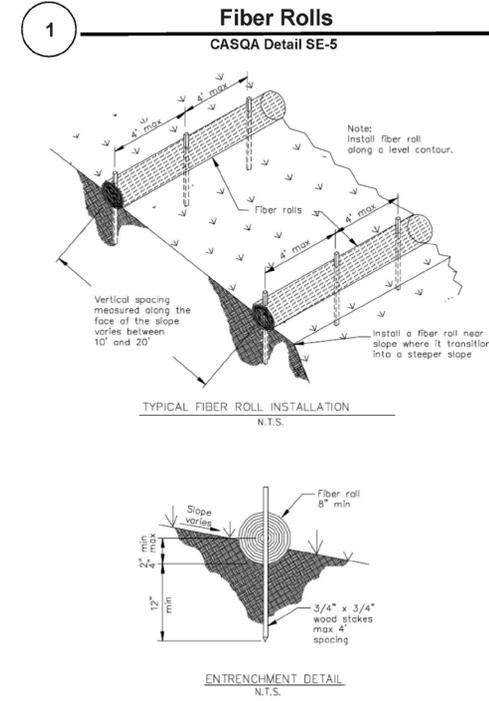
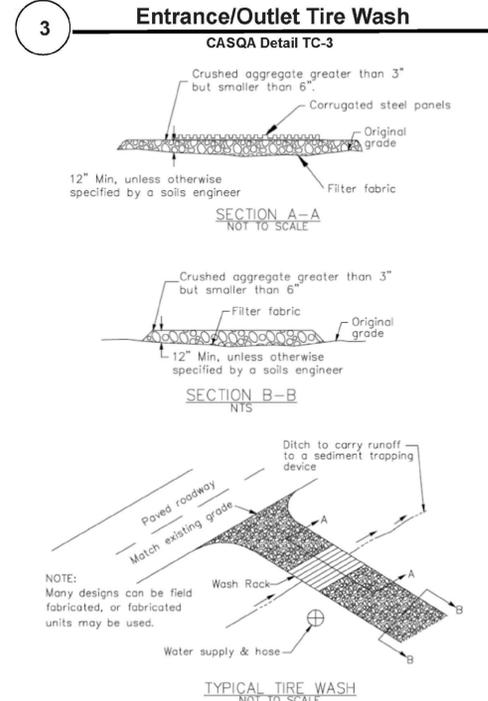
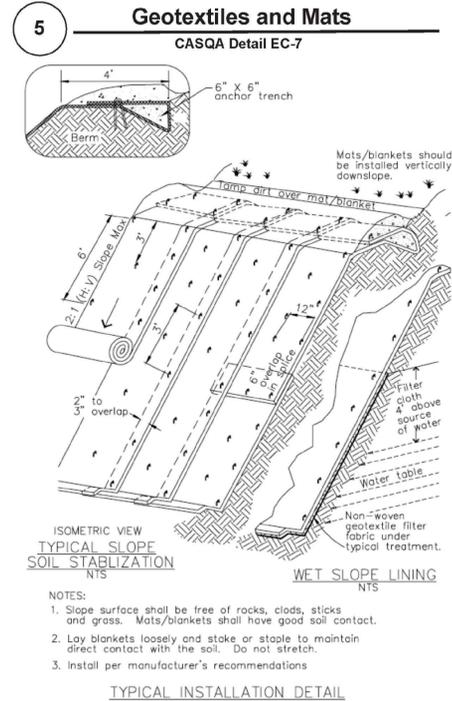
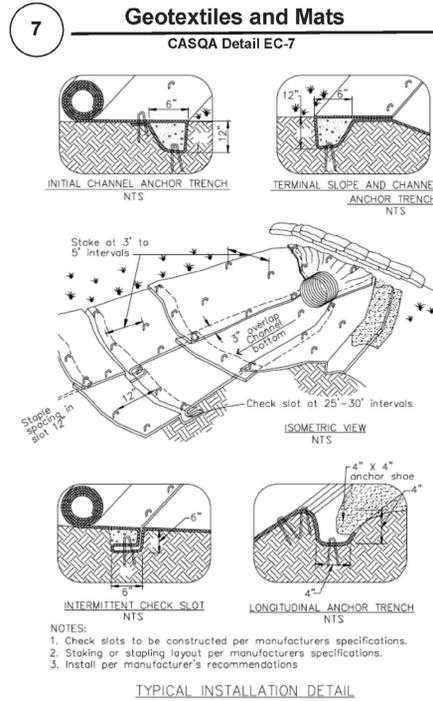
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

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



BMP-1

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Project Information

1730 N. FIRST STREET
SUITE 600 CA 95112
408-467-9100
408-467-9199 (FAX)



CALIFORNIA

JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
EROSION CONTROL BMP
SANTA CLARA COUNTY
STANFORD UNIVERSITY

Revisions	No.

Date: 03/15/2023	Scale: -
Design: LW	Drawn: MW
Approved: DP	Job No: 20156040
Drawing Number:	

C6.2

OF

Best Management Practices and Erosion Control Details Sheet 2

County of Santa Clara



BMP-2

General Construction and Site Supervision

Best Management Practices for Construction



Who should use this brochure?

- General contractors
- Site supervisors
- Inspectors
- Home builders
- Developers

Preventing Pollution: It's Up to Us

In the Santa Clara Valley, storm drains transport water directly to local creeks and San Francisco Bay without treatment. Stormwater pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or bayslands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight stormwater pollution. Join us, by following the practices described in this pamphlet.

Doing the Job Right

- General Principles**
- Keep an orderly site and ensure good housekeeping practices are used.
 - Maintain equipment properly.
 - Cover materials when they are not in use.
 - Keep materials away from streets, storm drains and drainage channels.
 - Ensure dust control water doesn't leave site or discharge to storm drains.
 - Advance Planning To Prevent Pollution
 - Schedule excavation and grading work for dry weather periods. To reduce soil erosion, plant temporary vegetation or place silt erosion control mats before rain begins. Use the Erosion and Sediment Control Manual, available from the Regional Water Quality Control Board, as a reference.
 - Control the amount of runoff crossing your site (especially during excavation) by using berms or temporary or permanent drainage ditches to divert water flow around the site. Reduce

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

stormwater runoff velocities by constructing temporary check dams or berms where appropriate.

- Train your employees and subcontractors. Make these brochures available to everyone who works on the construction site. Inform subcontractors about the stormwater requirements and their own responsibilities. Use Blueprint for a Clean Bay, a construction best management practices guide available from the Santa Clara Valley Urban Runoff Pollution Prevention Program, as a reference.

Good Housekeeping Practices

- Designate one area of the site for auto parking, refuse, refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, bermed if necessary. Make minor repairs off site.
- Keep materials out of the rain - prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains or creeks.
- Keep pollutants off exposed surfaces. Place trash cans and recycling receptacles around the site to minimize litter.

- Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing it down on the construction site.
- Place portable toilets away from storm drains. Make sure portable toilets are in good working order. Check frequently for leaks.

Materials/Waste Handling

- Practice Source Reduction - minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible. Arrange for pick-up of recyclable materials such as concrete, asphalt, scrap metal, solvents, degreasers, cleaned vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleaned vegetation that is recycled. (See the reference on recycling in Blueprint for a Clean Bay.) Materials that cannot be recycled must be taken to an appropriate landfill or disposed of properly. Never bury waste materials or leave them in the street or near a creek or stream bed.

Permits

- In addition to local grading and building permits, you will need to obtain coverage under the State's General Construction Activity Stormwater Permit if your construction site disturbs areas totaling 5 acres or more. Information on the General Permit can be obtained from the Regional Water Quality Control Board.

Heavy Equipment Operation

Best Management Practices for the Construction Industry



Who should use this brochure?

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

Preventing Pollution: It's Up to Us

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Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight stormwater pollution. Join us, by following the practices described in this pamphlet.

Doing the Job Right

- Site Planning and Preventive Vehicle Maintenance**
- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance. Contain the area with berms, sand bags, or other barriers.
 - Do not use diesel oil to lubricate equipment parts, or clean equipment. Use only water for any arctic cleaning.
 - Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events.

Stormwater Pollution from Heavy Equipment on Construction Sites

Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

- Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
- Perform major maintenance, repair jobs, and equipment washing off site where cleanup is easier.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spilled fluids, store in separate containers, and properly dispose as hazardous waste (recycle whenever possible).

Spill Cleanup

- Clean up spills immediately when they happen.
- Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible and properly dispose of absorbent materials.
- Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- Use as little water as possible for dust control. Ensure water used doesn't leave silt or discharge to storm drains.
- Clean up spills on dirt areas by digging up and disposing of contaminated soil.
- Report significant spills to the appropriate local spill response agencies immediately. (See reverse side of brochure for telephone numbers.)
- If the spill poses a significant hazard to human health and safety, property or the environment, you must also report it to the State Office of Emergency Services (see reverse).

Roadwork and Paving

Best Management Practices for the Construction Industry



Who should use this brochure?

- Road crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of grading equipment, paving machines, dump trucks, concrete mixers
- Construction inspectors
- General contractors
- Home builders
- Developers

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Doing the Job Right

- General Business Practices**
- Develop and implement erosion/sediment control plans for roadway embankments.
 - Schedule excavation and grading work during dry weather.
 - Check for and repair leaking equipment.
 - Perform major equipment repairs at designated areas in your maintenance yard, where cleanup is easier. Avoid performing equipment repairs at construction sites.

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for asphalt, saw-cut slurry, or excavated material to illegally enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

- When refueling or when vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment parts or clean equipment.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible, or dispose of properly.

During Construction

- Avoid paving and seal coating in wet weather, or when rain is forecast, to prevent fresh materials from contacting stormwater runoff.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- Protect drainage ways by using earth dikes, sand bags, or other controls to divert oil trap and filter runoff.
- Never wash excess material from exposed aggregates or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- Cover stockpiles (asphalt, sand, etc.) as often as possible.

Fresh Concrete and Mortar Application

Best Management Practices for the Construction Industry



Who should use this brochure?

- Masons and bricklayers
- Sidewalk construction crews
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers

Preventing Pollution: It's Up to Us

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Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, causes serious problems, and is prohibited by law.

Doing the Job Right

- General Business Practices**
- Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
 - Wash out chutes into dirt areas at site that do not flow to streets or drains.
 - Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
 - Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
 - Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

During Construction

- Don't mix up more fresh concrete or cement than you will use in a two-hour period.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.
- When cleaning up after driveways or sidewalk curbs, wash lines onto dirt areas, not down the driveway or into the street or storm drain.
- Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area, (2) drain onto a bermed surface from the curb, or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a landfill.
- Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Landscaping, Gardening, and Pool Maintenance

Best Management Practices for the Construction Industry



Who should use this brochure?

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers
- Homeowners

Preventing Pollution: It's Up to Us

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Doing the Job Right

- General Business Practices**
- Protect pesticides and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
 - Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
 - Schedule grading and excavation projects during dry weather.
 - Use temporary check dams or ditches to divert runoff away from storm drains.
 - Protect storm drains with sandbags or other sediment controls.
 - Revegetation is an excellent form of erosion control for any site.

Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off to the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Landscaping/Garden Maintenance

- Use pesticides sparingly, according to instructions on the label. Rinse empty containers, and use rinsewater as product. Dispose of rinsed, empty containers in the trash. Dispose of unused pesticides as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- In communities with curbside pick-up of yard waste, place clippings and pruning waste at the curb in approved bags or containers. Or, take to a facility that composts yard waste. No curbside pickup of yard waste is available for commercial properties.
- Do not blow or rake leaves, etc. into the street, or place yard waste in gutters or on dirt shoulders, unless you are using a blower for recycling (allowed by San Jose and unincorporated San Jose only).
- In San Jose, leave yard waste for curbside recycling pickup in piles in the street. 18 inches from the curb and completely out of the flow line to any storm drain.

Pool/Fountain/Spa Maintenance

Draining pools or spas

- When it's time to drain a pool, spa, or fountain, please be sure to call your local wastewater treatment plant before you start for further guidance on flow rate restrictions, backflow prevention, and handling special cleaning waste (such as acid wash). Discharge flows should be kept to the low levels typically possible through a garden hose. Higher flow rates may be prohibited by local ordinance.
- Never discharge pool or spa water to a street or storm drain, discharge to a sanitary sewer cleanout.
- If possible, when emptying a pool or spa, let chlorine dissipate for 2-3 days and then recycle/reuse water by draining it gradually onto a landscaped area.
- Do not use copper-based algaecides. Control algae with chlorine or other alternatives, such as sodium bromide.

Filter Cleaning

- Never clean a filter in the street or near a storm drain. Rinse cartridge and distamemaceous earth filters onto a dirt area, and spade filter residue into soil. Dispose of spent distamemaceous earth in the garbage.
- If there is no suitable dirt area, call your local wastewater treatment plant for instructions on discharging filter backwash or rinsewater to the sanitary sewer.

Asphalt/Concrete Removal

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking up old pavement, be sure to remove all chunks and pieces. Make sure broken pavement does not come in contact with rainfall or runoff.
- When making saw cuts, use as little water as possible. Shovel or vacuum saw-cut slurry and remove from the site. Cover or protect storm drain inlets during saw-cutting. Sweep up, and properly dispose of, all residues.
- Sweep, never hose down streets to clean up tracked dirt. Use a street sweeper or vacuum truck. Do not dump vacuumed runoff in storm drains.

Small Business Hazardous Waste Disposal Program

Businesses that generate less than 27 gallons or 220 pounds of hazardous waste per month are eligible to use Santa Clara County's Small Business Hazardous Waste Disposal Program. Call (408) 299-7300 for a quote, more information or guidance on disposal.

Palo Alto operates a similar program, with monthly collection for small businesses. Call the City of Palo Alto, (650) 406-6980, or Greenfield Services Corporation, 1-800-433-5060 for information or to schedule an appointment.

Local Pollution Control Agencies

- County of Santa Clara Pollution Prevention Program (408) 441-1195
- County of Santa Clara Integrated Waste Management Program (408) 441-1198
- County of Santa Clara Attorney Environmental Crimes Hotline (408) 299-7135
- Santa Clara County Recycling Hotline (408) 533-8414
- Santa Clara Valley Water District (408) 265-2600
- Santa Clara Valley Water District Pollution Hotline 1-888-510-5151
- San Jose/Santa Clara Water Pollution Control Plant (408) 945-3000
- Serving Campbell, Cupertino, Los Gatos, Milpitas, Monte Sereno, San Jose, Santa Clara, Saratoga
- Sunnyvale Water Pollution Control Plant, Sunnyvale (408) 730-7270
- Regional Water Quality Control Plant (650) 329-2599
- Serving East Palo Alto Sanitary District, Los Altos, Los Altos Hills, Mountain View, Palo Alto, Stanford
- Regional Water Quality Control Board, San Francisco Bay Region (510) 622-2300

Earth-Moving and Dewatering Activities

Best Management Practices for the Construction Industry



Who should use this brochure?

- Bulldozer, back hoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

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Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight stormwater pollution. Join us, by following the practices described in this pamphlet.

Doing the Job Right

- General Business Practices**
- Schedule excavation and grading work during dry weather.
 - Perform major equipment repairs away from the job site.
 - When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
 - Do not use diesel oil to lubricate equipment parts, or clean equipment.

Storm Drain Pollution from Earth-Moving Activities and Dewatering

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or roughened ground surfaces.

Contaminated groundwater is a common problem in the Santa Clara Valley. Depending on soil types and site history, groundwater pumped from construction sites may be contaminated with toxins (such as oil or solvents) or laden with sediments. Any of these pollutants can harm wildlife in creeks or the Bay, or interfere with wastewater treatment plant operation.

Practices During Construction

- Remove existing vegetation only when absolutely necessary. Plant temporary vegetation for erosion control on slopes or where construction is not immediately planned.
- Protect downslope drainage courses, streams, and storm drains with berms, or temporary drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's Erosion and Sediment Control Field Manual for proper erosion and sediment control measures.
- Cover stockpiles and excavated soil with secured tarps or plastic sheeting.

Dewatering Operations

1. Check for Toxic Pollutants

- Check for odors, discoloration, or an oily sheen on groundwater.
- Call your local wastewater treatment agency and ask whether the groundwater must be tested.
- If contamination is suspected, have the water tested by a certified laboratory.
- Depending on the test results, you may be allowed to discharge pumped groundwater to the storm drain (if no sediments present) or sanitary sewer. OR, you may be required to collect and haul pumped groundwater offsite for treatment and disposal at an appropriate treatment facility.

2. Check for Sediment Levels

- If the water is clear, the pumping time is less than 24 hours, and the flow rate is less than 20 gallons per minute, you may pump water to the street or storm drain.
- If the pumping time is more than 24 hours and the flow rate greater than 20 gpm, call your local wastewater treatment plant for guidance.
- If the water is not clear, solids must be filtered prior to discharge to a settling tank prior to discharge. Options for filtering include:
 - Pumping through a perforated pipe surk part way into a small filled with gravel.
 - Pumping from a bucket placed below water level using a submersible pump.
 - Pumping through a filtering device such as a swimming pool filter or filter fabric wrapped around end of suction pipe.
- Wash discharging to a storm drain, protect the inlet using a barrier of burlap bags filled with drain rock, or cover inlet with filter fabric anchored under the grate. OR pump water through a grassy swale prior to discharge.

Small Business Hazardous Waste Disposal Program

Painting and Application of Solvents and Adhesives

Best Management Practices for the Construction Industry



Who should use this brochure?

- Homeowners
- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

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Doing the Job Right

- Handling Paint Products**
- Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes and must be disposed of at a hazardous waste collection facility (contact your local stormwater program listed on the back of this brochure).
 - When thoroughly dry, empty paint cans, used brushes, rags, and drop cloths may be disposed of as garbage in a sanitary landfill. Empty, dry paint cans also may be recycled as metal.
 - Wash water from painted buildings constructed before 1978 can contain high amounts of lead, even if paint chips are not present. Before you begin stripping paint or cleaning pre-1978 building exteriors with water under high pressure, test paint for lead by taking paint scrapings to a local laboratory. See Yellow Pages for a state-certified laboratory.
 - If there is loose paint on the building, or if the paint tests positive for lead, block storm drains. Check with the wastewater treatment plant to determine whether you may discharge water to the sanitary sewer, or if you must send it offsite for disposal as hazardous waste.

Storm Drain Pollution from Paints, Solvents, and Adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to wildlife in local creeks, San Francisco Bay, and the Pacific Ocean. Toxic chemicals may come from liquid or solid products or from cleaning residues or rags. Paint material and wastes, adhesives and cleaning fluids should be recycled when possible, or disposed of properly to prevent these materials from flowing into storm drains and watercourses.

Paint Removal

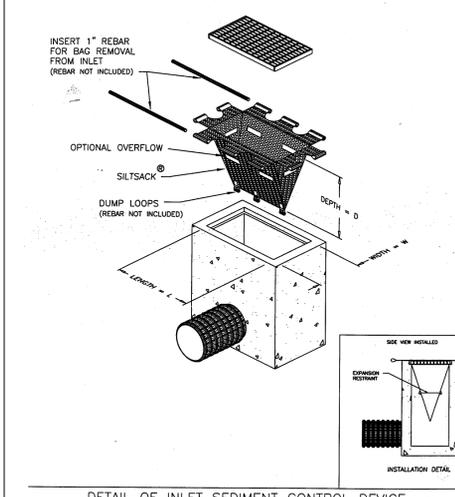
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury or tributyl tin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Direct wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (mop or vacuum) building cleaning water and dispose to the sanitary sewer. Sampling of the water may be required to assist the wastewater treatment authority in making its decision.

Painting Cleanup

- Never clean brushes or rinse paint containers into a street, gutter, storm drain, French drain, or stream.
- For water-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquid and residue as hazardous waste.

Recycle/Reuse Leftover Paints Whenever Possible

- Recycle or donate leftover water-based (latex) paint, or return to supplier.
- Reuse leftover oil-based paint. Dispose of non-recyclable thinners, sludge and unwanted paint as hazardous waste.
- Unopened cans of paint may be able to be returned to the paint vendor. Check with the vendor regarding its "buy-back" policy.



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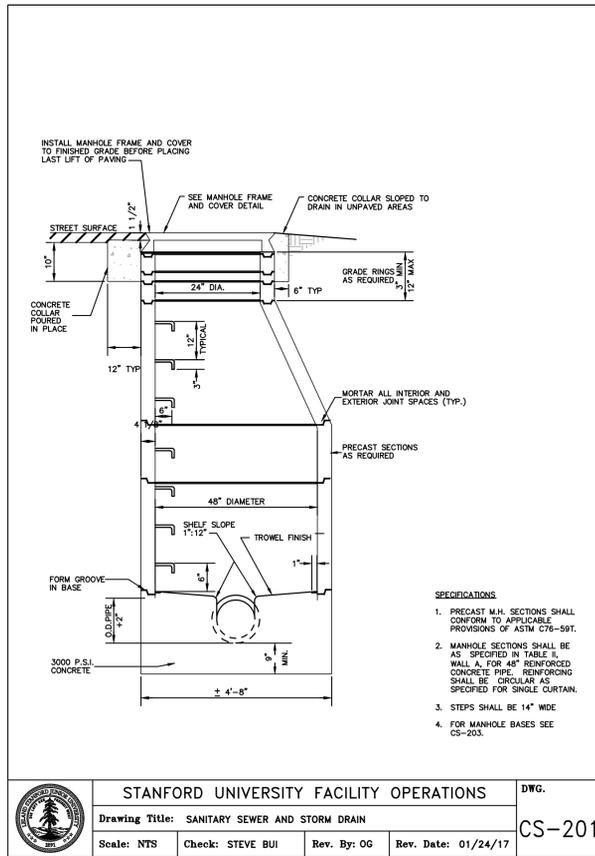
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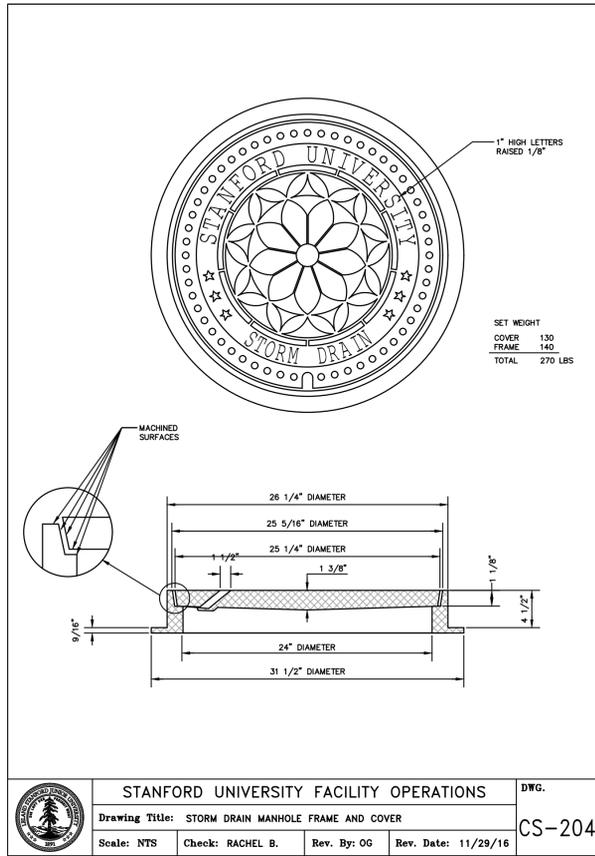
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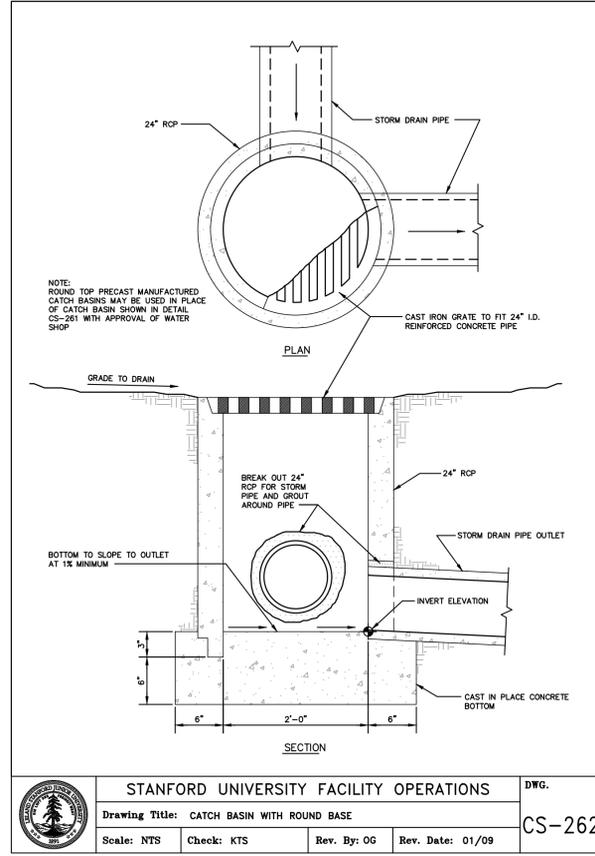
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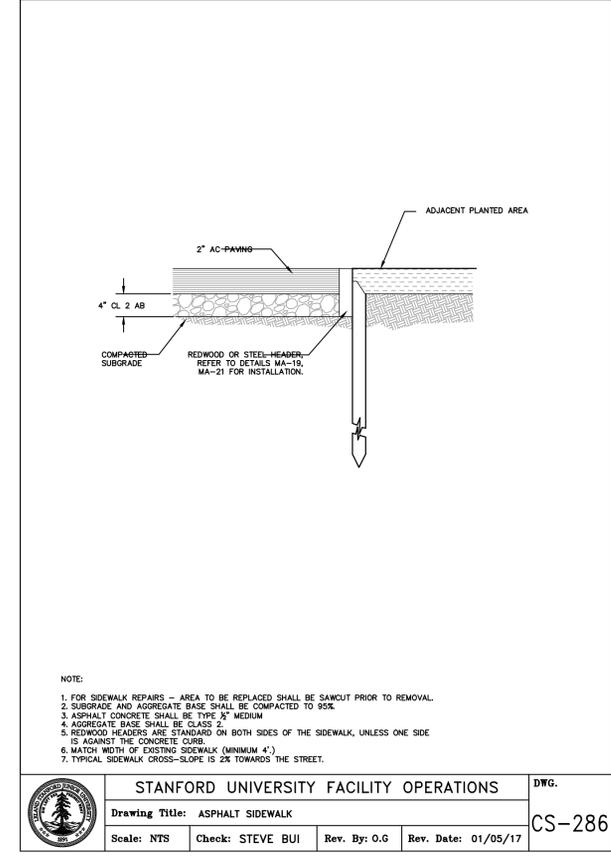
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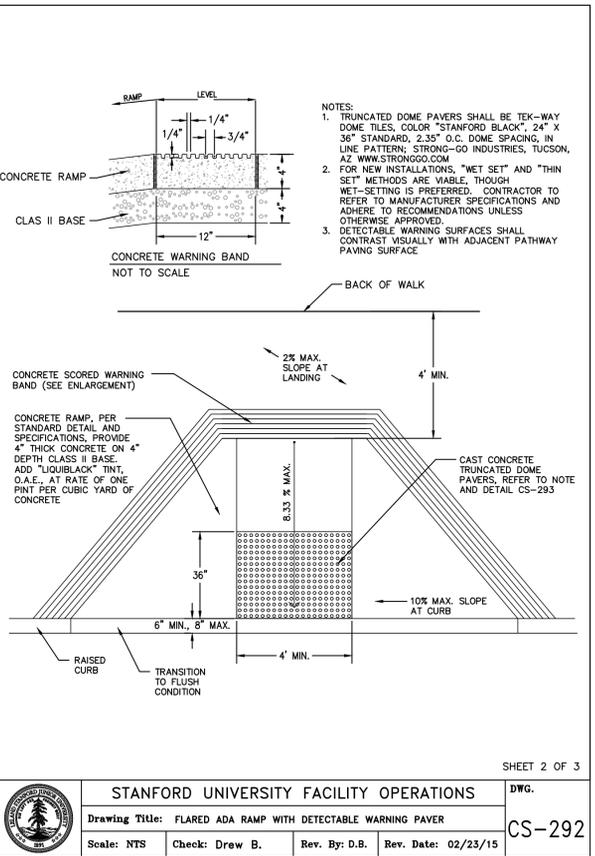
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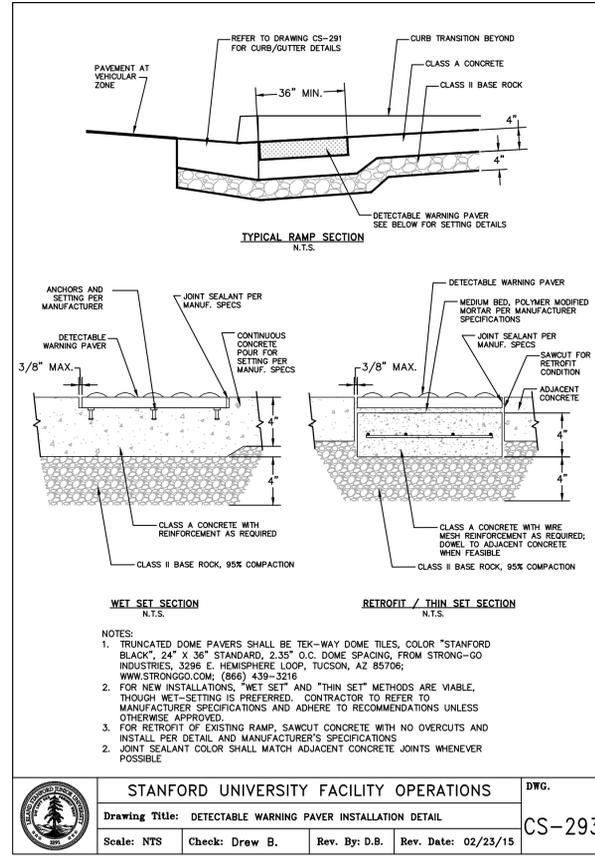
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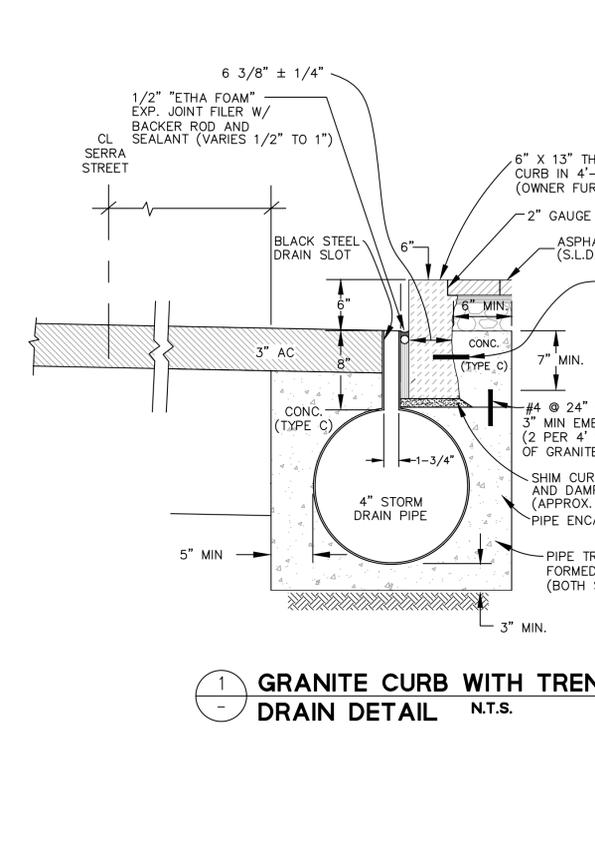
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STANFORD UNIVERSITY FACILITY OPERATIONS				DWG.
Drawing Title: FLARED ADA RAMP WITH DETECTABLE WARNING PAVER				CS-292
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Drawing Title: GRANITE CURB WITH TRENCH DRAIN DETAIL				CS-293
Scale: NTS	Check: Draw B.	Rev. By: D.B.	Rev. Date: 02/23/15	

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CALIFORNIA

JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
CONSTRUCTION DETAILS

SANTA CLARA COUNTY
STANFORD UNIVERSITY

Revisions	No.	Date	Scale	Design	Drawn	Approved	Job No.
		03/15/2023		WU	KW	DP	20156040

Drawing Number: **C7.0**

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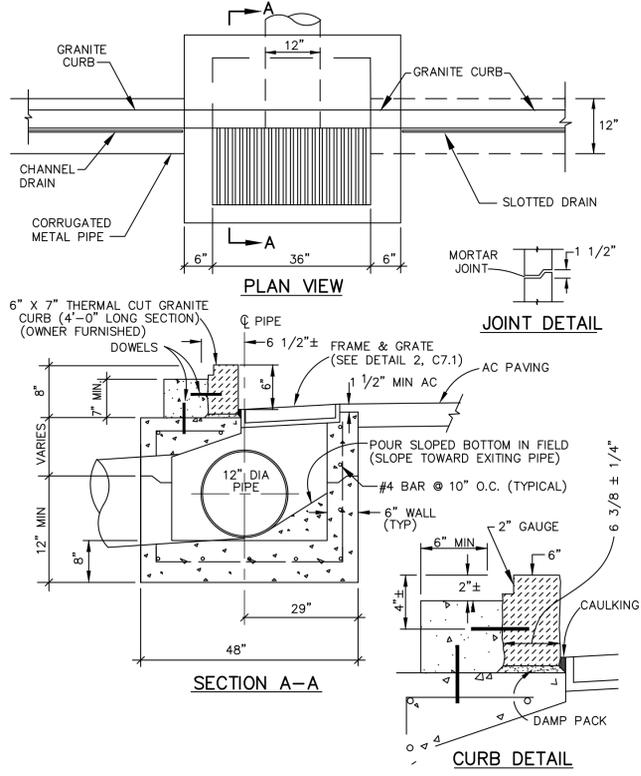


CALIFORNIA

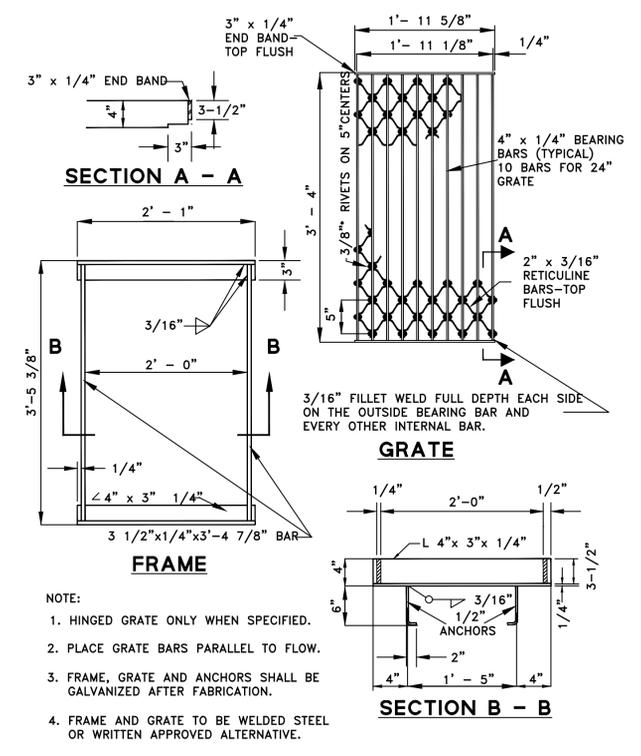
JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
CONSTRUCTION DETAILS
SANTA CLARA COUNTY
STANFORD UNIVERSITY

Date: 03/15/2023	No.	Revisions
Scale: -		
Design: LW		
Drawn: MW		
Approved: DP		
Job No: 20156040		

Drawing Number:
C7.1
OF

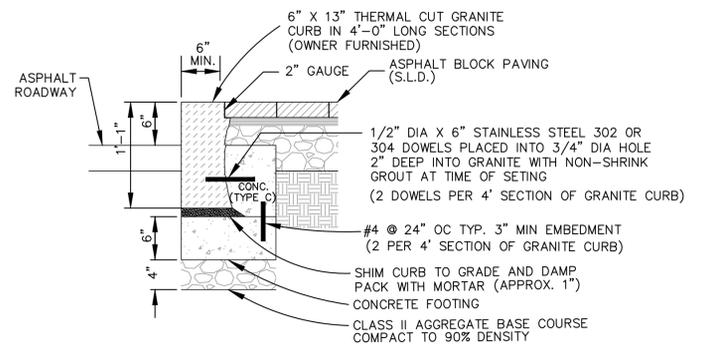


1 GRANITE CURB INLET DETAIL
N.T.S.



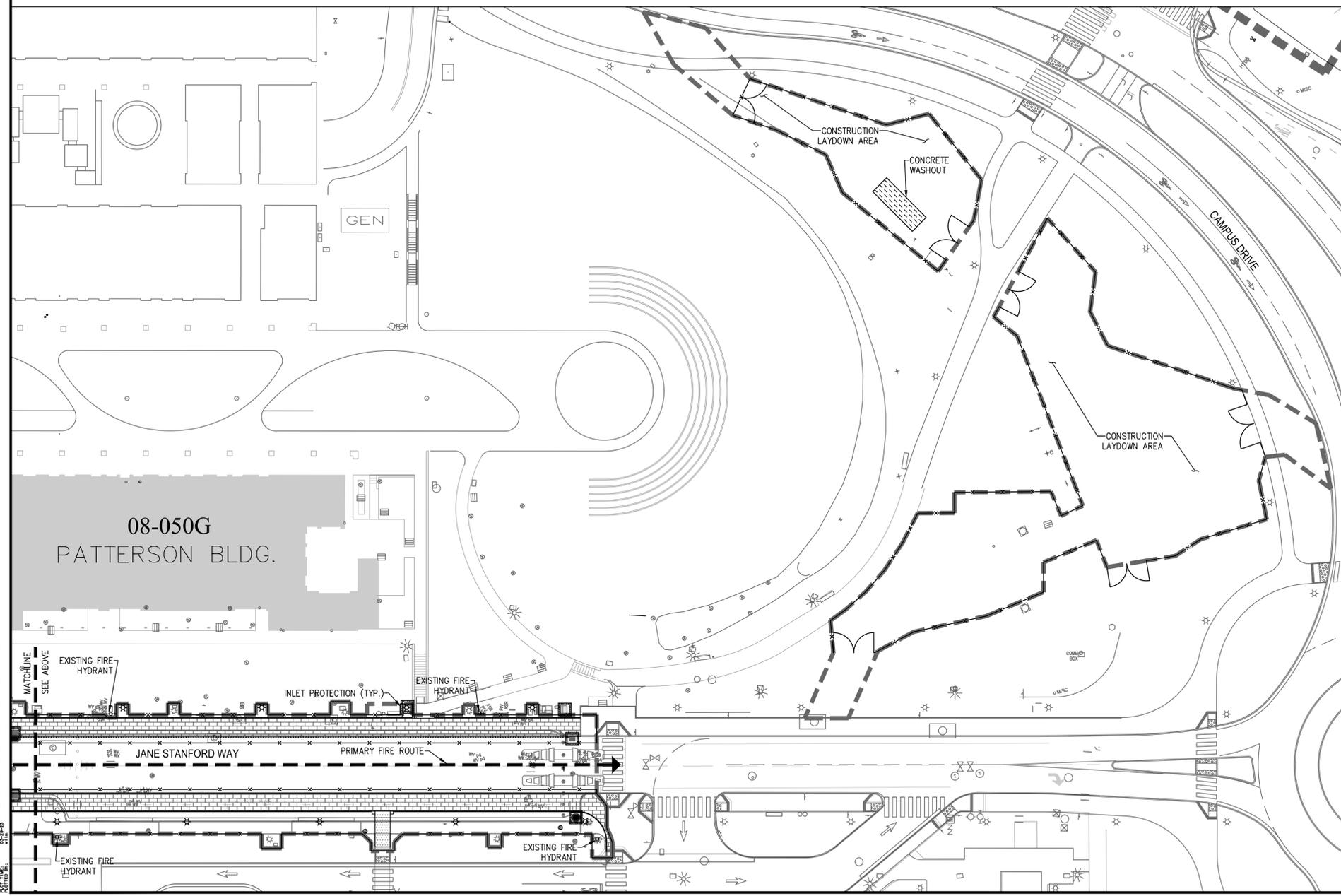
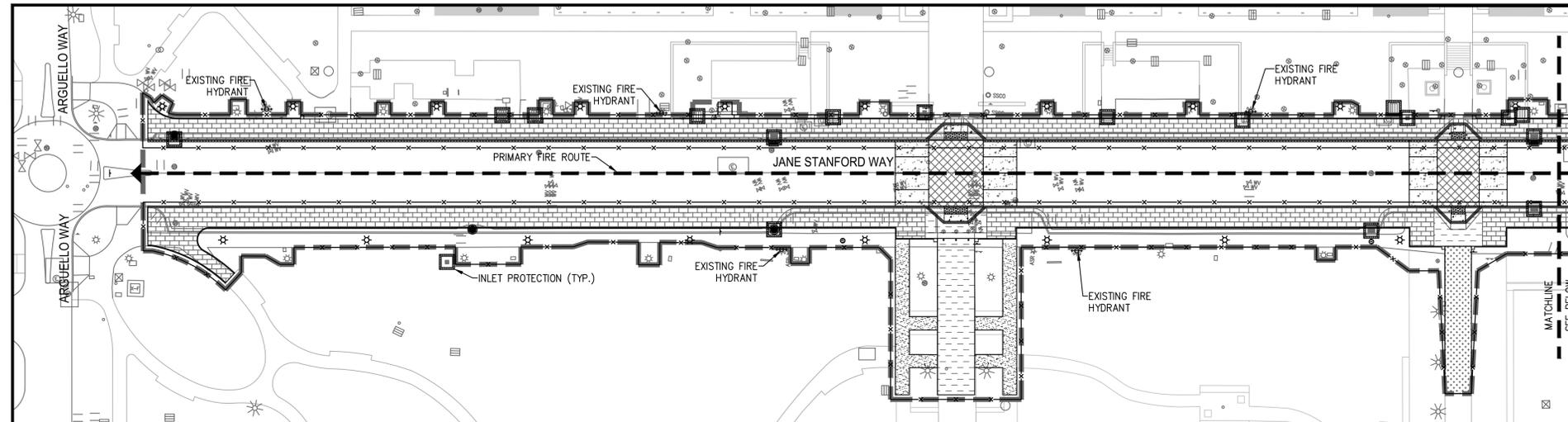
2 RETICULINE FRAME AND GRATE
N.T.S.

- NOTE:
1. HINGED GRATE ONLY WHEN SPECIFIED.
 2. PLACE GRATE BARS PARALLEL TO FLOW.
 3. FRAME, GRATE AND ANCHORS SHALL BE GALVANIZED AFTER FABRICATION.
 4. FRAME AND GRATE TO BE WELDED STEEL OR WRITTEN APPROVED ALTERNATIVE.

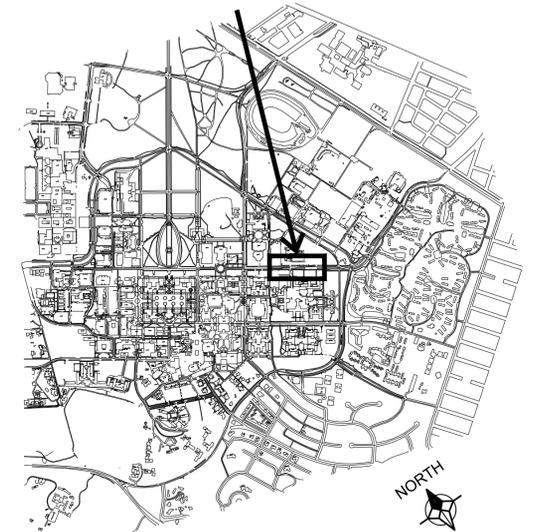


3 GRANITE CURB DETAIL
N.T.S.

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 DATE: 03/15/2023 10:00 AM
 USER: MW



PROJECT LOCATION



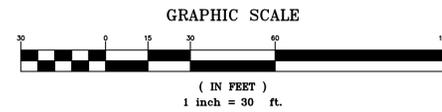
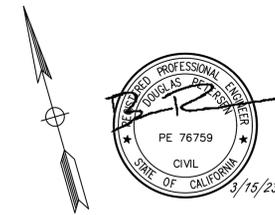
LOCATION PLAN
SCALE: NTS

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 PROGRAM THE EIR, SHALL BE ADHERED TO DURING ALL CONSTRUCTION ACTIVITIES.
 - 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 IS 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 WASHES FOR ALL EXITING TRUCKS OR WASH OFF THE TIRES OF TRACKS OF ALL TRUCKS AND EQUIPMENT LEAVING THE SITE; AND
 - SUSPEND EXCAVATION AND GRADING ACTIVITY WHEN WINDS (INSTANTANEOUS GUSTS) EXCEED 25 MPH.
- 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.
- NOISE CONTROL
CONSTRUCTION PRACTICES SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA NOISE ORDINANCE AND ARE TO BE MONITORED BY THE GENERAL CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE GUP REQUIRES THE FOLLOWING MEASURES TO REDUCE OPERATION NOISE DURING CONSTRUCTION:
 - MECHANICAL EQUIPMENT WITHIN 50 FEET OF A RESIDENCE SHALL BE ACOUSTICALLY ENGINEERED.
 - THE BUILDING DESIGN SHALL INCORPORATE DESIGN MEASURES TO LOCATE NOISE SOURCES SUCH AS LOADING ZONES, TRASH BINS AND MECHANICAL EQUIPMENT AS FAR AWAY FROM NOISE SENSITIVE RECEPTORS AS POSSIBLE.
 - ALL OPERATION NOISE SOURCES SHALL COMPLY WITH THE COUNTY NOISE ORDINANCE.
 - 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

- PRIMARY FIRE ROUTE
- CONCRETE WASHOUT
- DRAIN INLET PROTECTION
- CONSTRUCTION FENCE



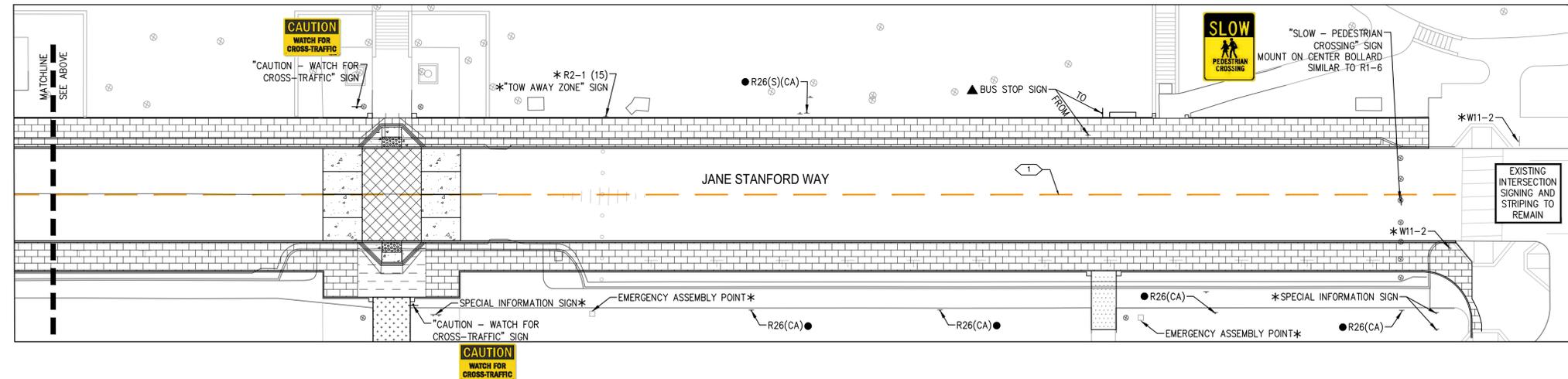
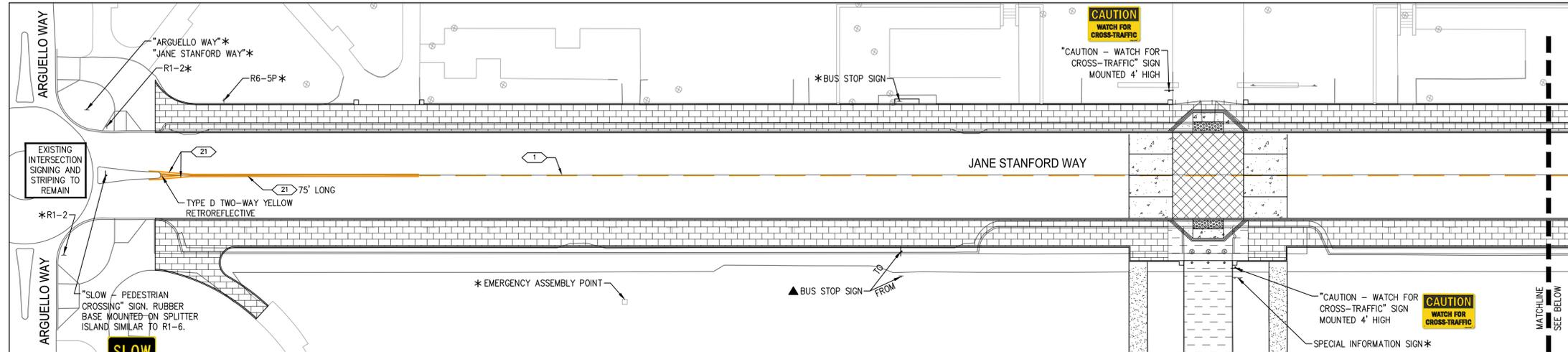
1730 N. FIRST STREET
SUITE 600 CA 95112
408-467-9100
408-467-9199 (FAX)



**JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
CONSTRUCTION SITE LOGISTICS & SAFETY PLAN**
SANTA CLARA COUNTY
STANFORD UNIVERSITY CALIFORNIA

Revisions	No.	Date	By	Appr.
		03/15/2023	LW	DP
			LW	DP
			LW	DP
			LW	DP

Date: 03/15/2023
Scale: 1"=30'
Design: LW
Drawn: LW
Approved: DP
Job No: 20156040
Drawing Number:
C8.0
OF



LEGEND

- * EXISTING SIGNS TO REMAIN
- REMOVE ROADSIDE SIGN
- ▲ RELOCATE EXISTING SIGN
- PROPOSED ONE POST SIGN LOCATION
- EXISTING ONE POST SIGN LOCATION
- EXISTING TWO POST SIGN LOCATION
- CHANGE OF PAVEMENT DELINEATION DETAIL
- STOP PAVEMENT MARKING "STOP" PER CA MUTCD

GENERAL NOTES

1. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO DRILLING.
2. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. ALL SIGNS ARE BASED ON THE LATEST CALIFORNIA MUTCD AND CALTRANS STANDARD PLANS.
4. ALL EXISTING PAVEMENT DELINEATION IN CONFLICT WITH THESE PLANS SHALL BE REMOVED BY CONTRACTOR.
5. EXACT LOCATION AND POSITION OF PAVEMENT MARKING ARROWS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
7. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE BY LIGHT SURFACE GRINDING AND APPLICATION OF DOUBLE SEAL COAT.
8. BIKE LANE PAVEMENT MARKINGS TO BE PAINT (NOT THERMOPLASTIC).
9. CROSSWALK BARS SHALL BE PARALLEL TO DIRECTION OF TRAVEL LANE CENTERLINE.



1730 N. FIRST STREET
SUITE 600 CA 95112
408-467-9100
408-467-9199 (FAX)



JANE STANFORD WAY
SIDEWALK IMPROVEMENTS
SIGNING & STRIPING PLAN

SANTA CLARA COUNTY
STANFORD UNIVERSITY

CALIFORNIA

Revisions	No.	Date	By

Date: 03/15/2023
Scale: 1"=20'
Design: LW
Drawn: MW
Approved: DP
Job No: 20156040

Drawing Number: **C9.0**

PROJECT: 20156040 - JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 DRAWN: MW
 DATE: 03/15/2023

SHEET INDEX, NOTES, AND LEGENDS

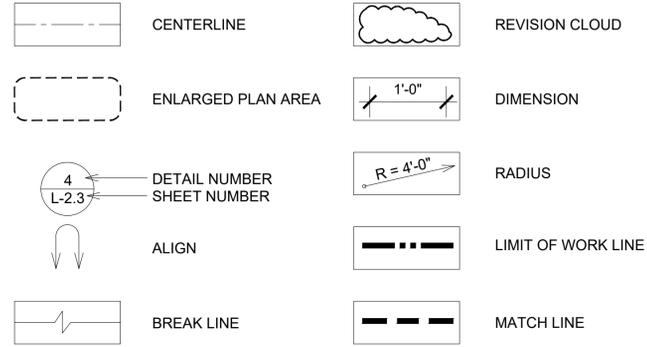
TREE AND SHRUB PROTECTION NOTES

- Stanford has strict requirements which include the points listed below and additional procedures as detailed in the FDG Specifications Guideline 01532 Tree and Shrub Protection.
- The root zone of all trees must be protected on all construction projects, as described below. A tree's root zone is defined as the area from the trunk out to 10' beyond the tree's dripline.
- A Stanford Grounds Services Certified Arborist shall be contacted to evaluate all work within any tree's root zone.
- All trees to remain on a project shall have protective fencing installed per the tree protection drawing included in the plan set.
- Protective fencing shall be chain link on secure footings, or imbedded as required by the Campus Planning and Design Office or a Stanford University Grounds Services Certified Arborist, that will not fall over onto trees.
- Protective fencing shall be placed at the outer edge of the root zone, 10' beyond the tree dripline wherever possible as shown on tree protection drawing. If project constraints do not allow for fencing at the outer edge of the root zone, fencing must be placed as close to this as possible and approved after it is in place by a Stanford University Grounds Services Certified Arborist.
- Laydown, staging and parking areas shall be approved by the Stanford University Architect/Campus Planning Department and shall be shown on the plans if within the project limit area, or on the Construction Logistics plan if outside the project limit area. All tree protection guidelines apply to trees in laydown, staging and parking areas as well as to trees within the project limits.
- Construction materials/equipment/personal vehicles shall not be stored, parked or temporarily placed in the root zones of any trees. Nothing shall be stored or placed temporarily within protective fencing, to avoid soil compaction and soil contamination under trees. Root zones of trees shall not be driven over. Provide alternative routes for construction traffic of any kind including cars, people, tractors, equipment, cranes, or any other traffic and all staging or storage areas.
- Protect overhanging tree canopies from construction damage. If drive aisles are anticipated under low canopies call for an evaluation by a Stanford Grounds Services Certified Arborist to determine appropriate measures.
- There shall be no grade change within a minimum of ten feet of the trunk of existing trees, and preferably none within the entire root zone. Native oaks are particularly sensitive to grade changes.
- No rinsing, cleaning equipment or dumping construction liquid materials shall be allowed in the tree root zone, or in an area that drains into the root zone. Care shall be taken in cleaning up equipment. There shall be no storage of dumpsters or accumulated debris from demolition on or around the root zones of existing trees and shrubs.
- Existing trees shall be monitored weekly and irrigated as needed during the course of construction.
- No lime or other soil treatment shall be applied without the consent of a Stanford Grounds Services Certified Arborist.
- All trenching shall conform to the following guidelines.
 - A Stanford Grounds Services Certified Arborist is required to be present to supervise any trenching, digging or excavation of any kind within a tree's root zone.
 - Roots larger than 2 inches in diameter shall not be severed without calling a Stanford Grounds Services Certified Arborist for cutting or review.
 - Tunneling or boring under roots rather than pruning is preferred.
 - Digging within a tree's root zone shall be avoided. If it is necessary, hand digging shall be used for any trenching within the tree's root zone unless otherwise approved by a Stanford Grounds Services Certified Arborist.
 - All roots that need to be cut shall be pruned cleanly, not torn.
- The preceding guidelines shall be considered minimum requirements. The greater the distance of tree protection provided the greater the instance of tree success in construction areas.

LAYOUT AND MATERIALS NOTES

- For clarity Limit-of-Work line is offset 3 feet from actual project limit.
- Install all intersecting elements at 90-degree angle to each other unless otherwise noted.
- Measurements are to outside face of curb, outside face of header, and outside face of building walls or openings, unless otherwise noted.
- Vertical and horizontal alignments of new paving surfaces and edges should merge seamlessly with existing paving within and at the limits of work. Bring to the attention to the Owner's Representative any discontinuity in alignment.
- Provide survey and staking of the edges of all curbs, walks, ramps, and other paved areas at a maximum increment of 10'-0" for review by Owner's Representative before commencing work.
- Mock-ups shall be provided for all exposed concrete finishes and shall include each type of concrete joint. Mock-ups shall be done sufficiently early for the concrete to cure before being reviewed by Owner's Representative.
- Granite curb segments shall be a standard 4'-0" long except as otherwise shown in the Granite Curb Layout plans. Where site conditions require curb segments of lesser length, standard segments may be cut down to a minimum of 3'-6" in length these shortened segments shall be and installed only in those areas indicated on the drawings.

GENERAL



INDEX OF LANDSCAPE SHEETS

L-0.0	Sheet Index, Notes, and Legends
L-1.0	Layout and Materials Plan
L-1.1	Layout and Materials Plan
L-1.2	Layout and Materials Plan
L-1.3	Layout and Materials Plan
L-1.4	Granite Curb Jointing Plan
L-1.5	Granite Curb Jointing Plan
L-2.0	Landscape Details
L-2.1	Landscape Details
L-2.2	Landscape Details
L-2.3	Landscape Details
L-2.4	Landscape Details
L-2.5	Landscape Details

MATERIALS LEGEND

material	description	remarks
PAVING		
	asphalt	asphaltic concrete pedestrian and light vehicular use only
	concrete paving 'A'	Portland Cement concrete concrete with lamp black per Stanford standard, exposed footings & curbs
	concrete paving 'B'	Portland Cement concrete Scofield color #1266 - acid etch finish, 4" flush headers
	concrete paving 'C'	Portland Cement concrete Scofield color #1266, steel trowel finish, accessible ramps and pavement in street
	asphalt block on aggregate base - pedestrian	manufactured asphalt block 8" x 8" x 2", color #8013, by Hanover Paving Co.
	asphalt block on aggregate base - vehicular	manufactured asphalt block 8" x 8" x 2", color #8013, by Hanover Paving Co.
	asphalt block on concrete slab - vehicular	manufactured asphalt block 8" x 8" x 3", color #8013, by Hanover Paving Co.
	concrete unit pavers	remove existing pavers, store, and reinstall
	stone fines	stabilized decomposed granite 'California Gold', supplied by TMT Enterprises
	steel header	1/4" x 5" factory-coated black, by DuraEdge
	wood header	nominal 2" x 6", Redwood campus standard

LIGHTING

fixture	description	remarks
	fixture 'A'	Ceremonial Acorn Light Washington, 12'-0" pole, by Spring City Electrical Mfg. Co., campus standard
	fixture 'B'	Contemporary Area Light existing, protect in place
	fixture 'C'	Custom Bollard existing, protect in place

SITE FURNITURE

item	description	remarks
	trash receptacle	coated steel Ironsites S-42 by Victor Stanley - remove, store, refurbish and reinstall
	recycle receptacle	coated steel Ironsites S-42 by Victor Stanley, with insert - remove, store, refurbish and reinstall
	wood bench	contour bench Du-Mor 39-800 - remove, store, refurbish and reinstall
	fixed bollard	coated steel campus standard
	removable bollard	coated steel campus standard

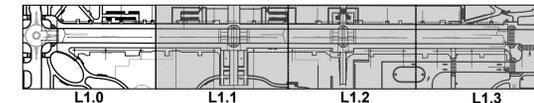
Sebastian & Associates
Landscape Architects, Planners
305 North Coast Highway Suite T
Laguna Beach, CA 92651
Tel: 949.497.4549



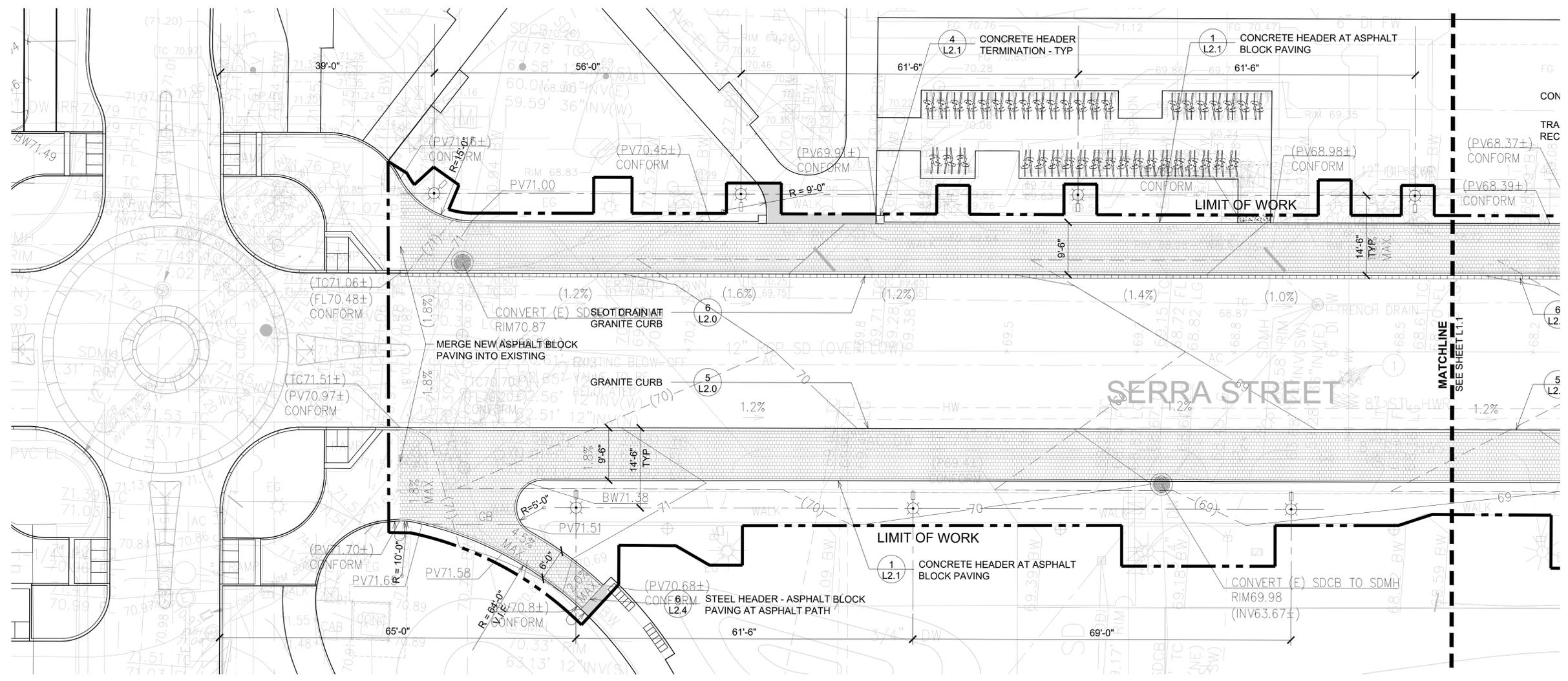
JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
SHEET INDEX, NOTES, AND LEGENDS

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 DRAWN: M.T.
 CHECKED: S.S.
 TITLE: SHEET INDEX, NOTES, AND LEGENDS
 SHEET NO.: **L-0.0**



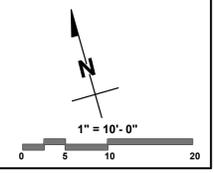
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JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 LAYOUT AND MATERIALS PLAN

A	DATE	REVISIONS

DATE: 16 MAR, 2023
 SCALE: 1" = 10'-0"
 JOB #: STA - 20007
 DRAWN: M.T.
 CHECKED: S.S.
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 SHEET NO.: **L-1.0**



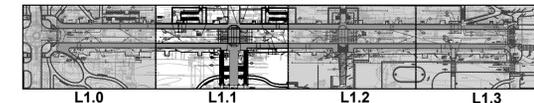


JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 LAYOUT AND MATERIALS PLAN

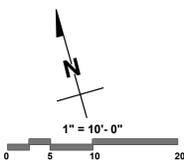
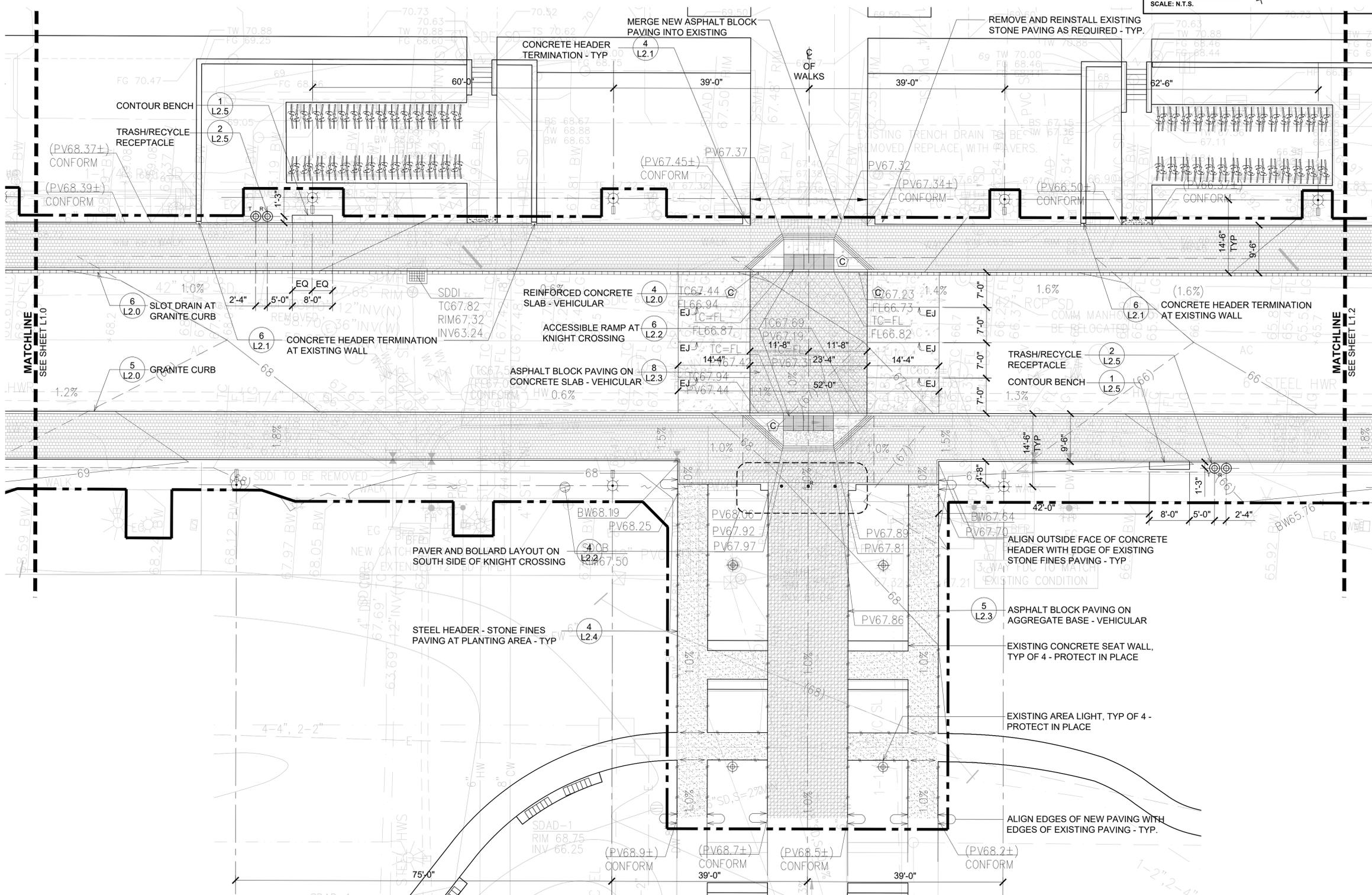
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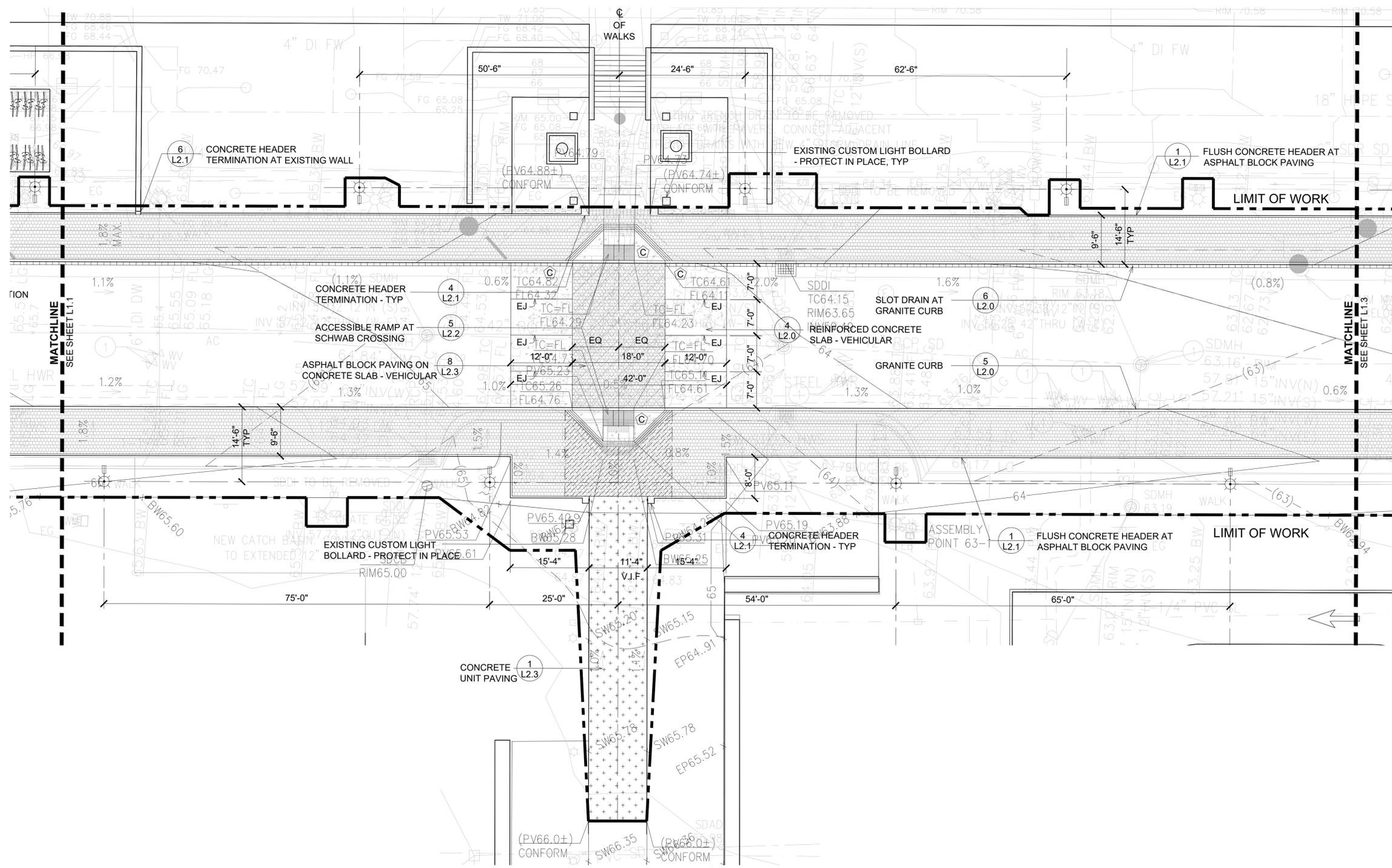
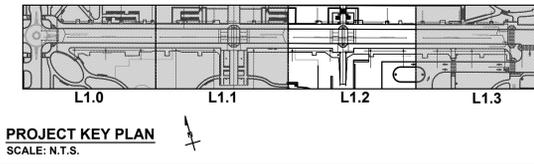
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 DRAWN: M.T.
 CHECKED: S.S.
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 SHEET NO.: **L-1.1**

NOT FOR CONSTRUCTION



PROJECT KEY PLAN
 SCALE: N.T.S.

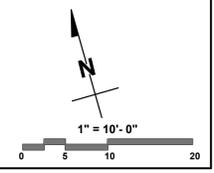


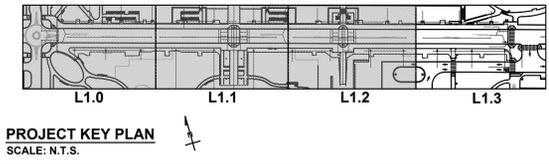


JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 LAYOUT AND MATERIALS PLAN

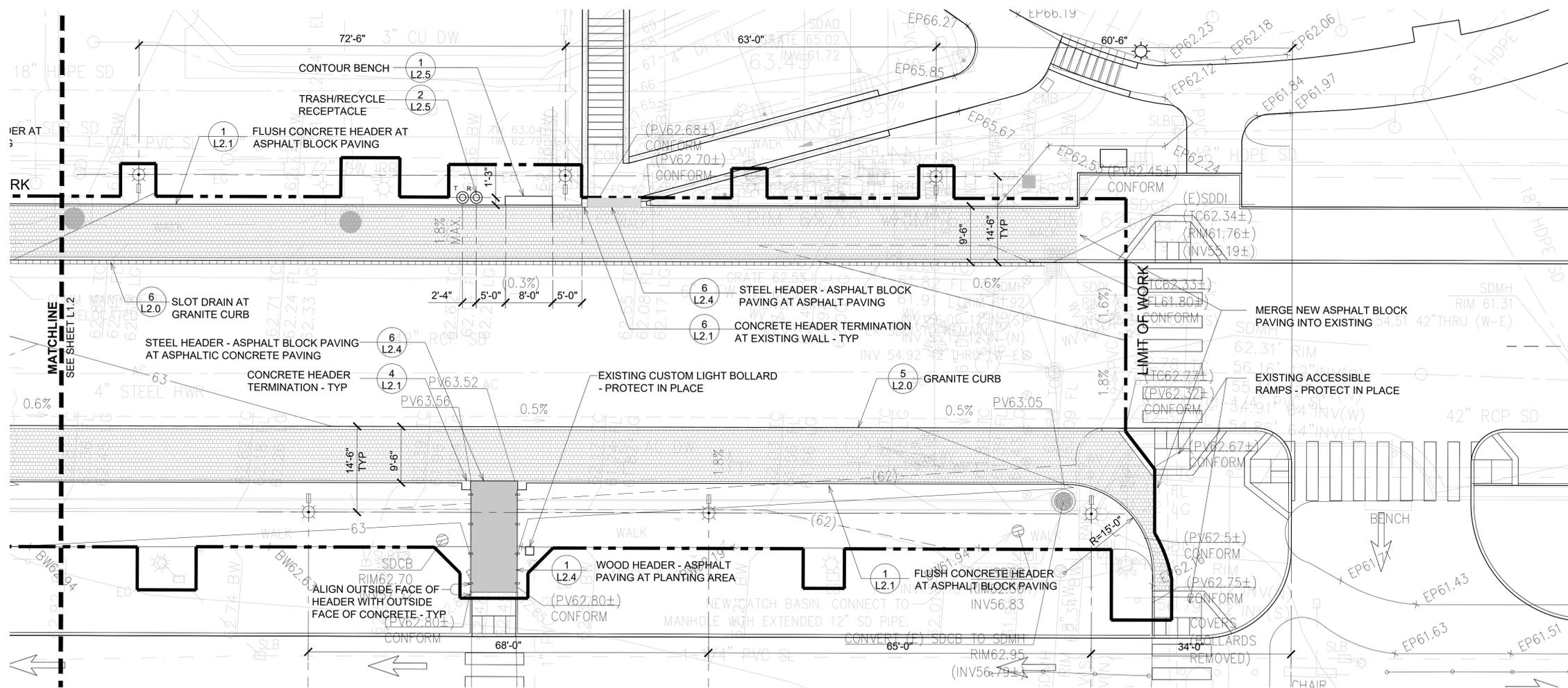
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 SHEET NO.: **L-1.2**





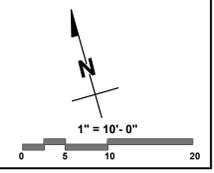
Sebastian & Associates
 Landscape Architects, Planners
 305 North Coast Highway Suite T
 Laguna Beach, CA 92651
 Tel: 949.497.4549



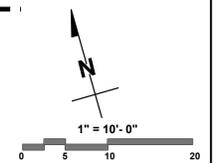
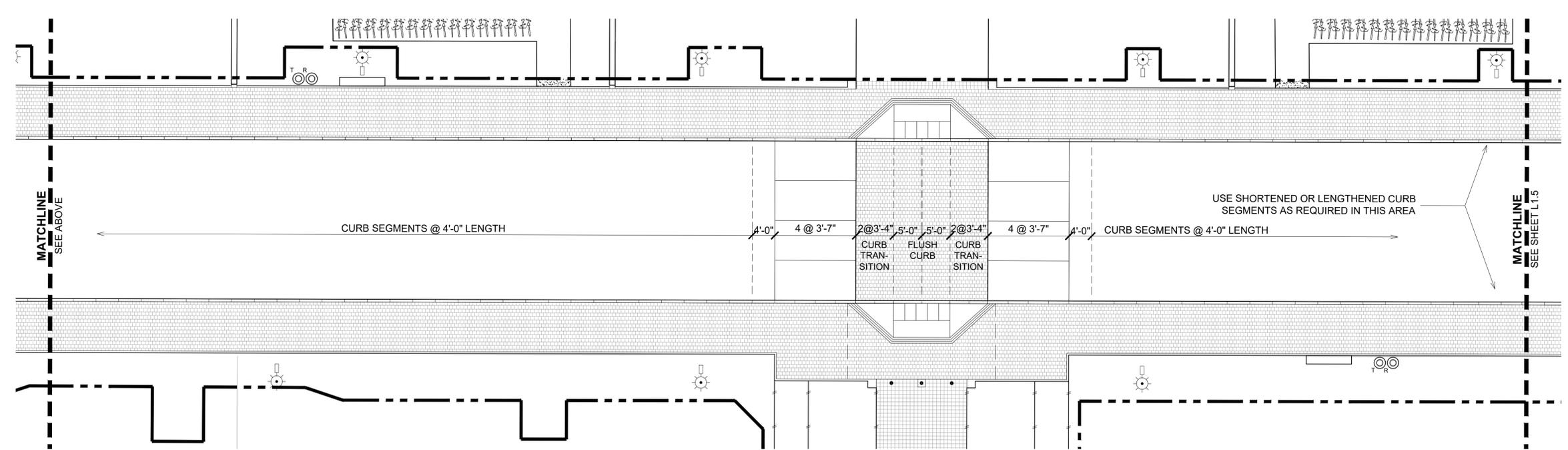
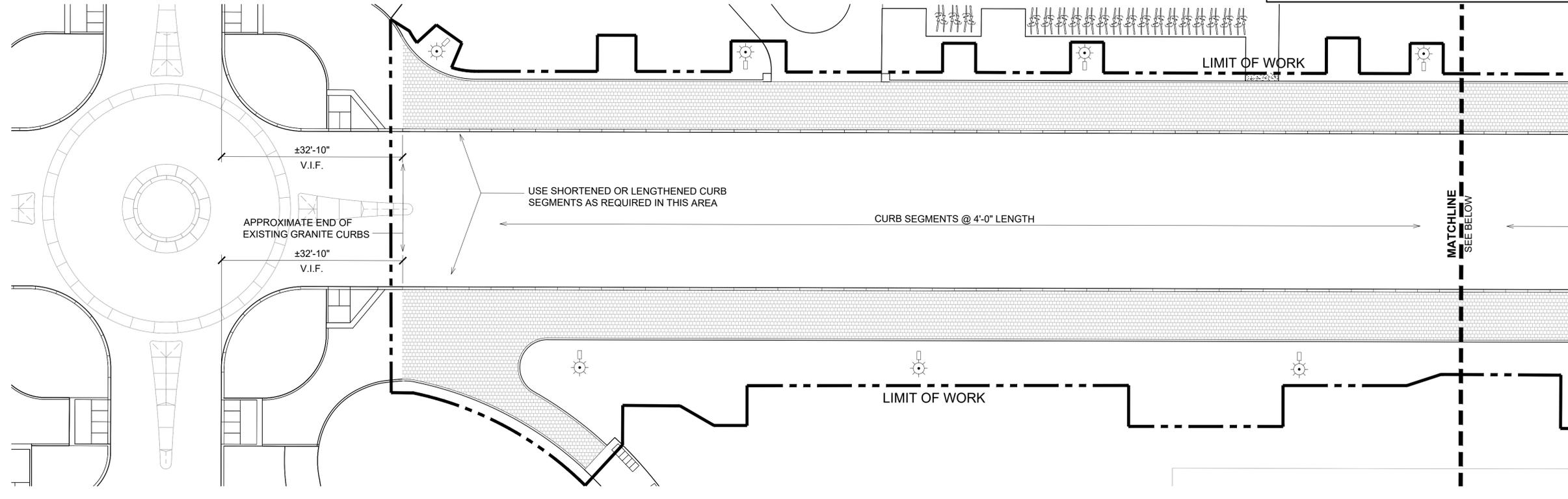
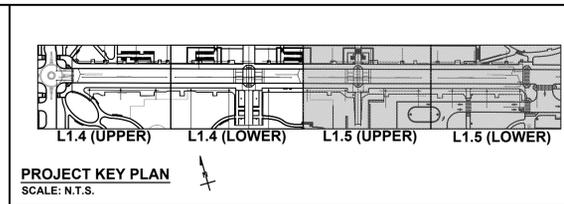
JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 LAYOUT AND MATERIALS PLAN

A	DATE	REVISIONS

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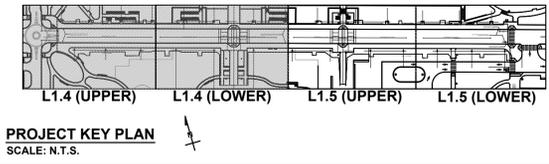
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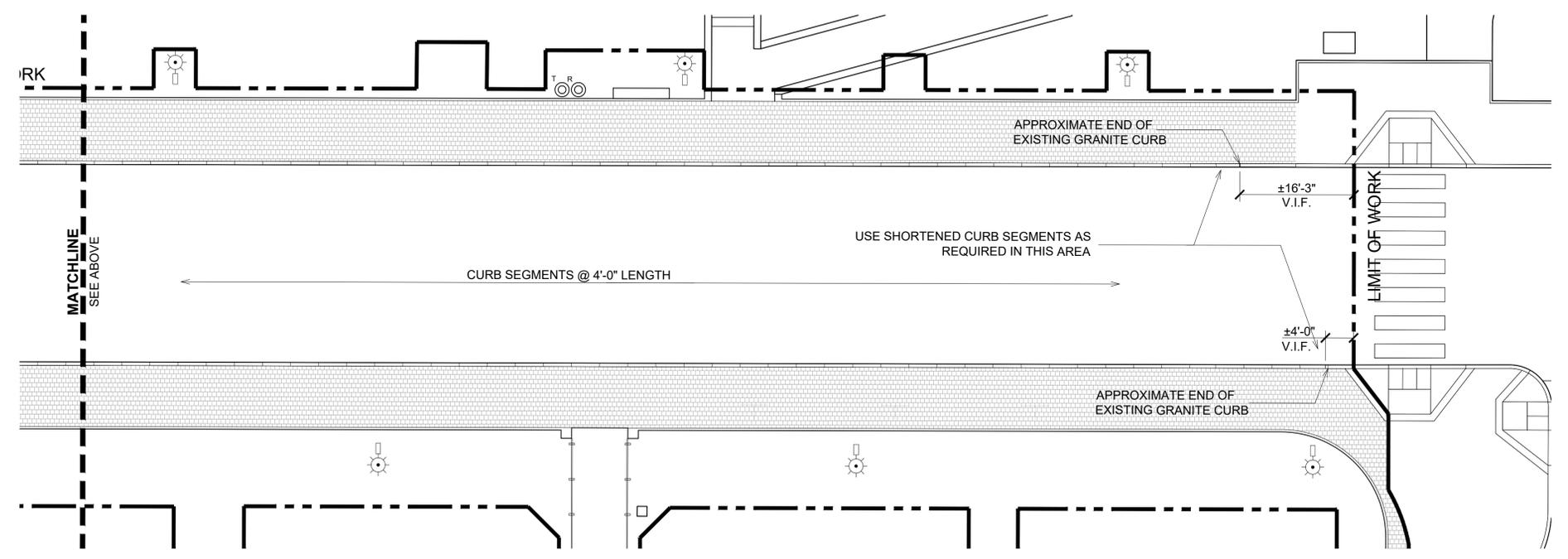
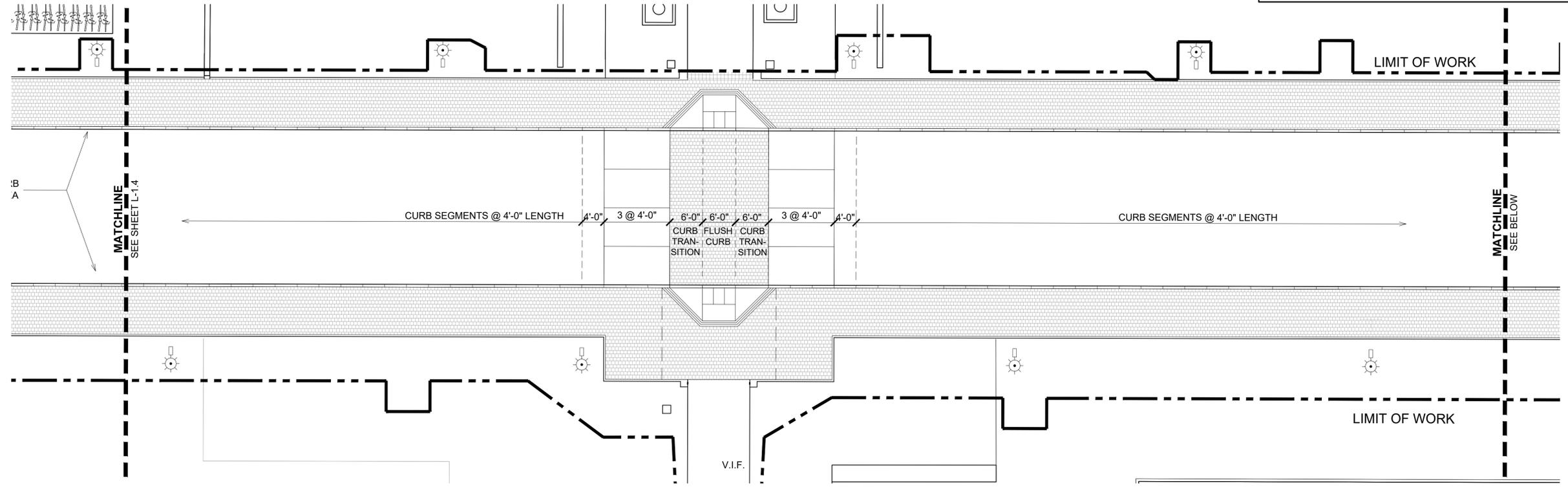
JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 GRANITE CURB JOINTING PLAN

A	DATE	REVISIONS

DATE: 16 MAR, 2023
 SCALE: 1" = 10'-0"
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 CHECKED: S.S.
 TITLE: GRANITE CURB JOINTING PLAN
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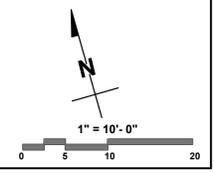
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305 North Coast Highway Suite T
Laguna Beach, CA 92651
Tel: 949.497.4549



JANE STANFORD WAY SIDEWALK IMPROVEMENTS
Stanford University
GRANITE CURB JOINTING PLAN

A	DATE	REVISIONS

DATE: 16 MAR, 2023
SCALE: 1" = 10'-0"
JOB #: STA - 20007
DRAWN: M.T.
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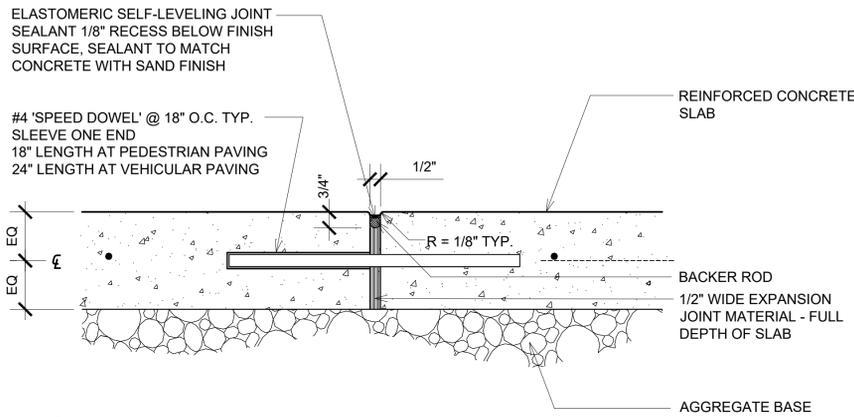
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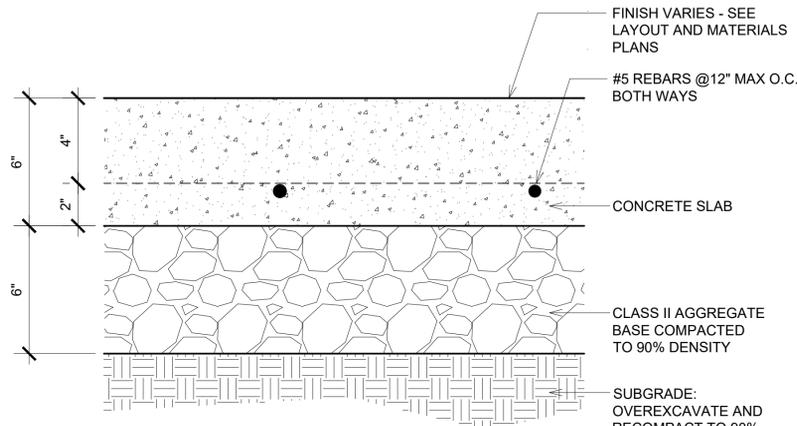
JANE STANFORD WAY SIDEWALK IMPROVEMENTS

Stanford University

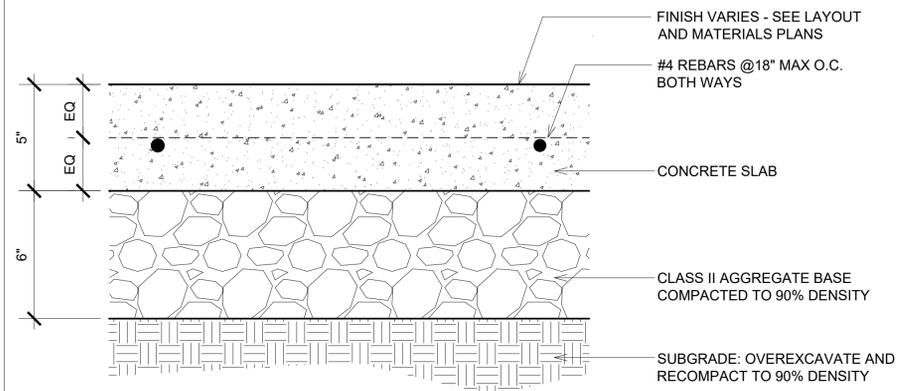
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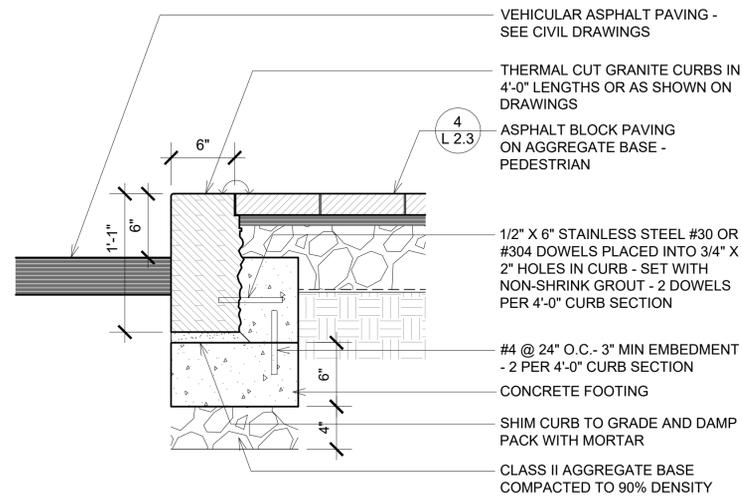
7 EXPANSION JOINT IN REINFORCED CONCRETE SLAB
 SCALE: 3" = 1'-0"



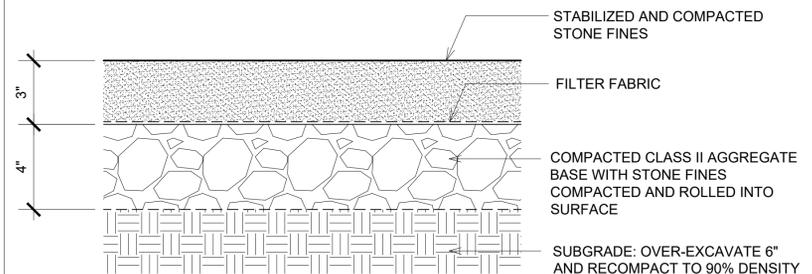
4 REINFORCED CONCRETE SLAB - VEHICULAR
 SCALE: 3" = 1'-0"



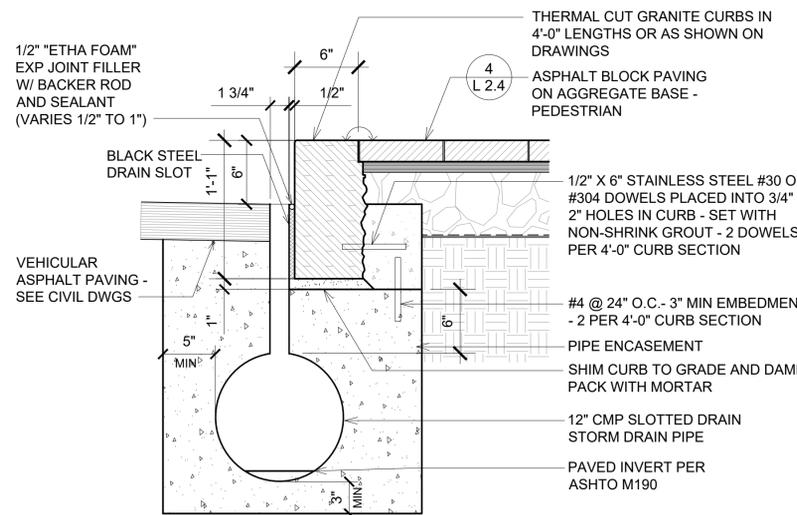
1 REINFORCED CONCRETE SLAB - PEDESTRIAN
 SCALE: 3" = 1'-0"



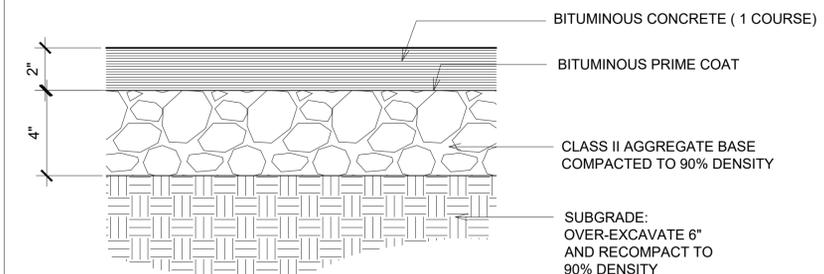
5 GRANITE CURB AT ASPHALT BLOCK PAVING
 SCALE: 1-1/2" = 1'-0"



2 STONE FINES PAVING
 SCALE: 3" = 1'-0"



6 SLOTTED DRAIN WITH GRANITE CURB AT ASPHALT BLOCK PAVING
 SCALE: 1-1/2" = 1'-0"



3 ASPHALTIC CONCRETE PAVING - PEDESTRIAN
 SCALE: 3" = 1'-0"

NOTE: SEE CIVIL DRAWINGS FOR ASPHALTIC CONCRETE PAVING IN AREAS ACCESSIBLE TO VEHICLES

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DATE: 15 MAR, 2023
 SCALE: AS NOTED
 JOB #: STA - 20007
 DRAWN: M.T.
 CHECKED: S.S.
 TITLE: DETAILS
 SHEET NO.: L-2.0

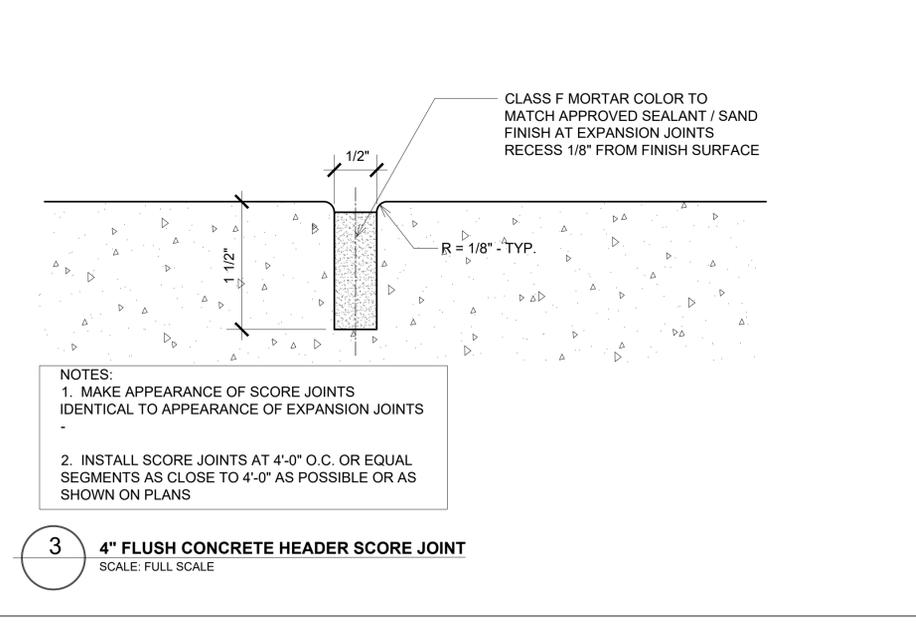
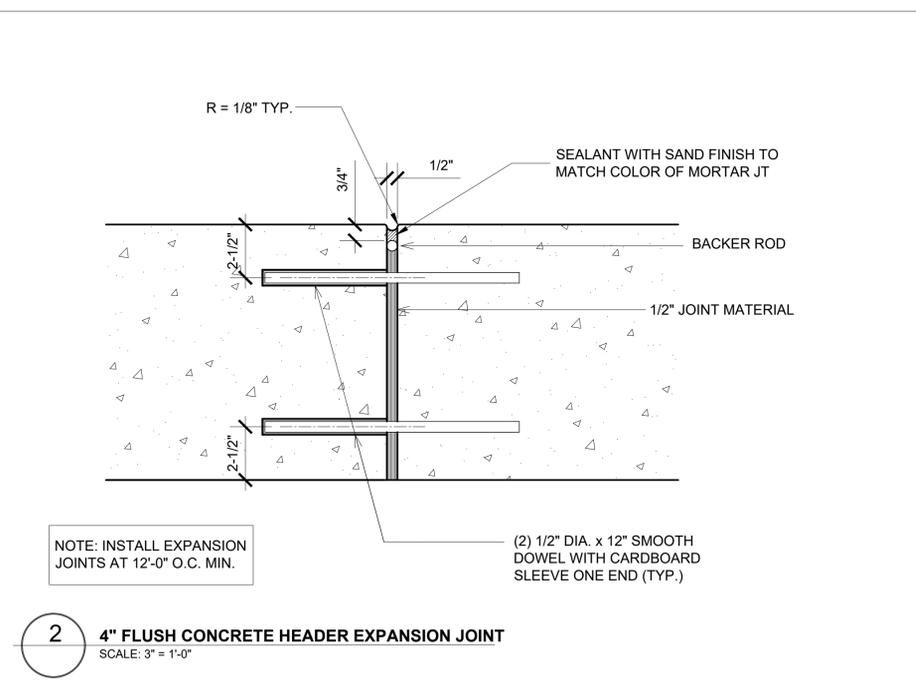
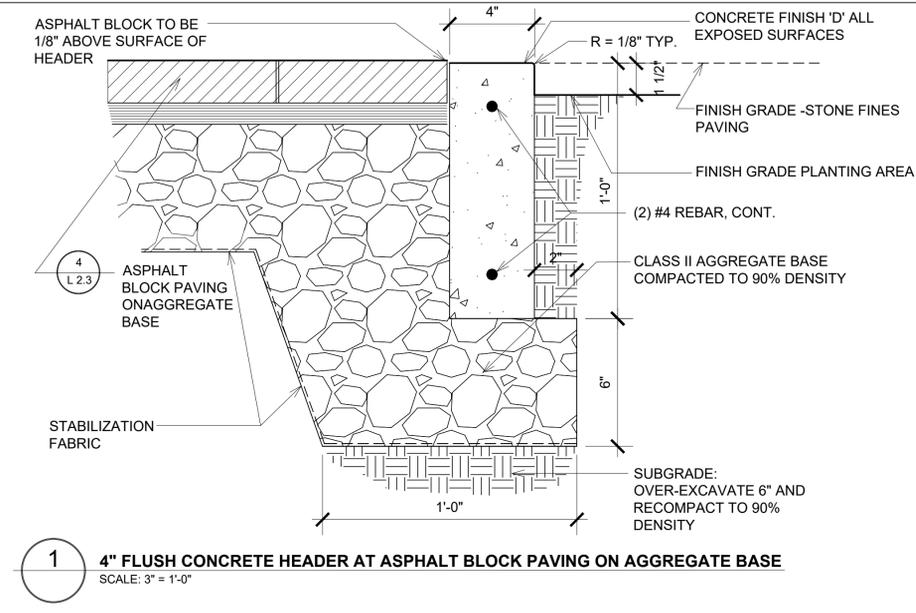
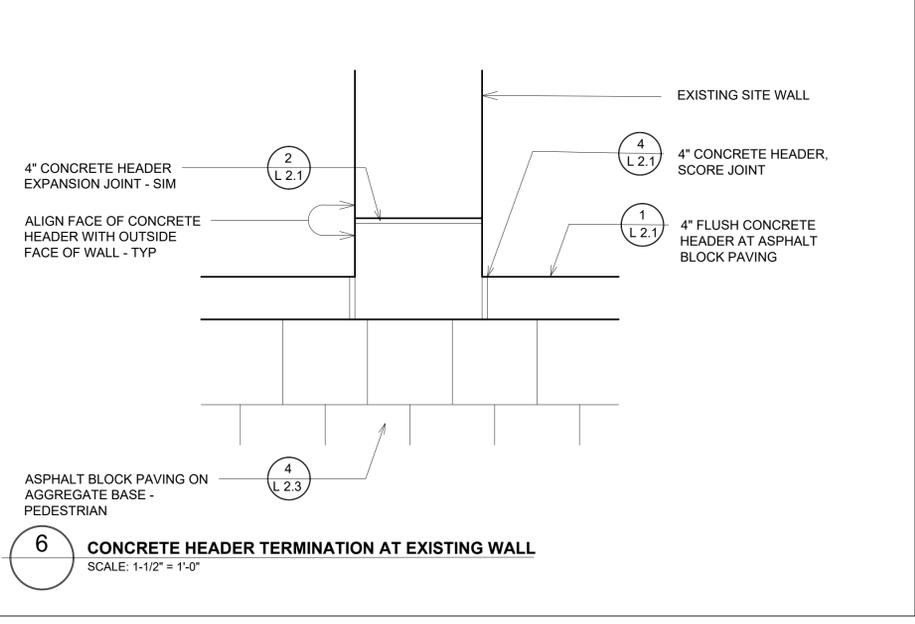
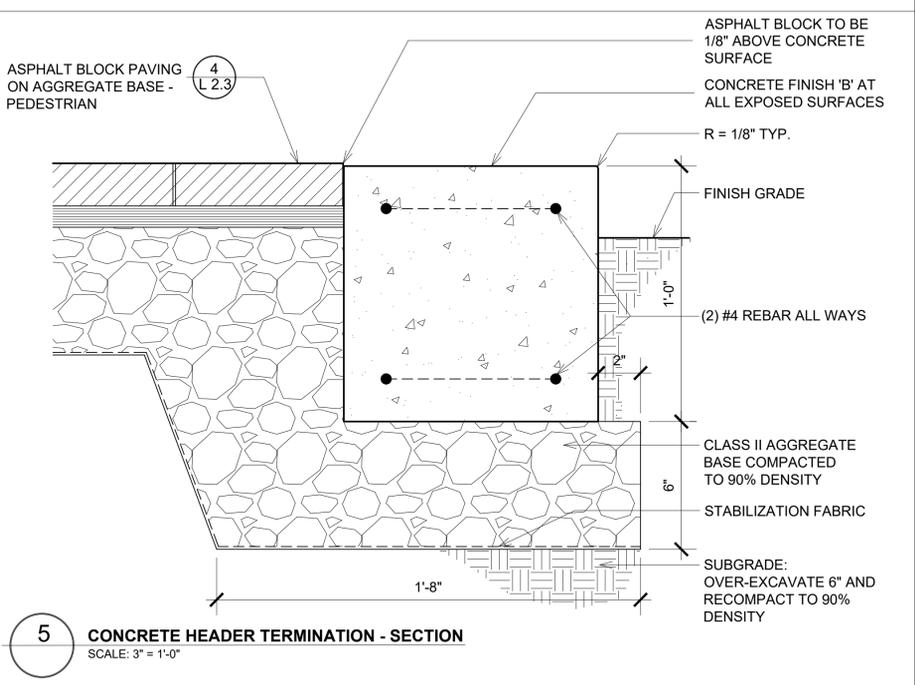
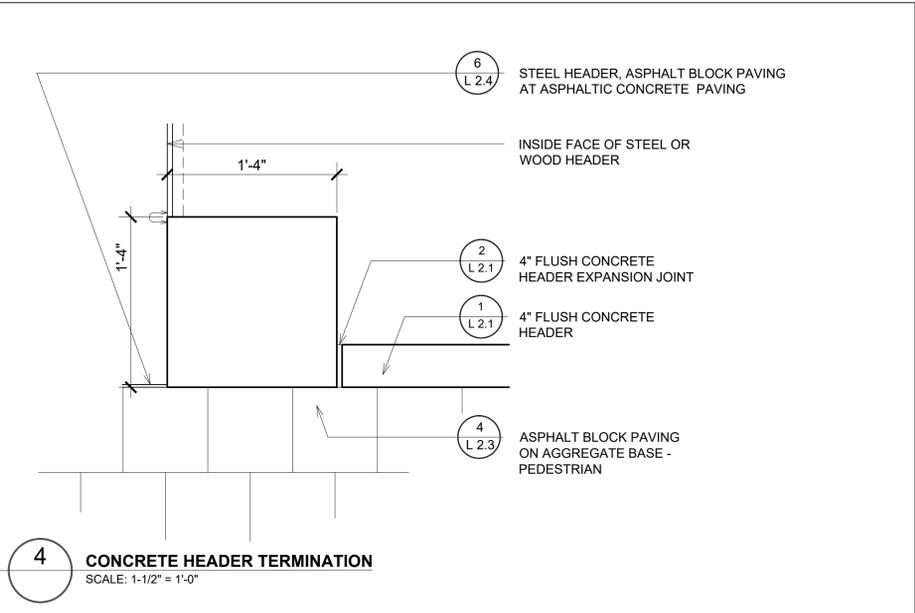


JANE STANFORD WAY SIDEWALK IMPROVEMENTS
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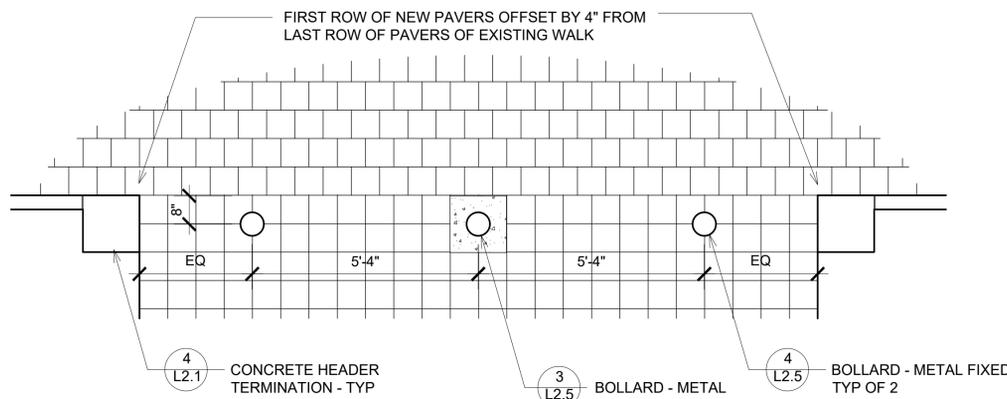
DATE: 15 MAR, 2023
 SCALE: AS NOTED
 JOB #: STA - 20007
 DRAWN: M.T.
 CHECKED: S.S.
 TITLE: DETAILS
 SHEET NO.: **L-2.1**

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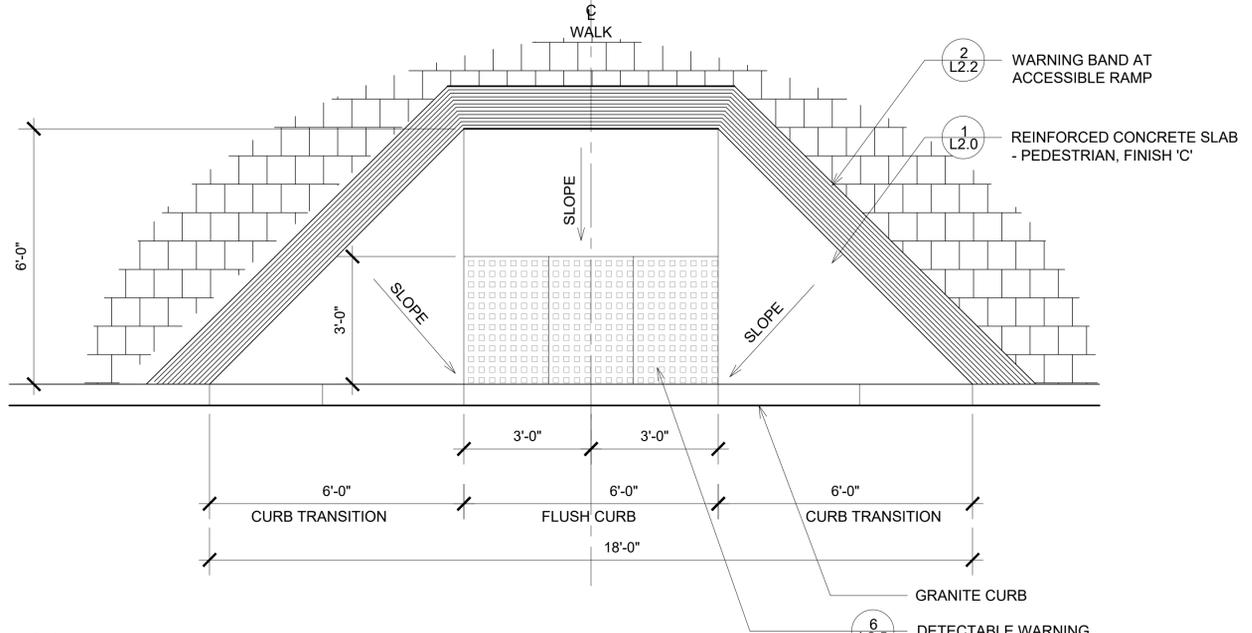




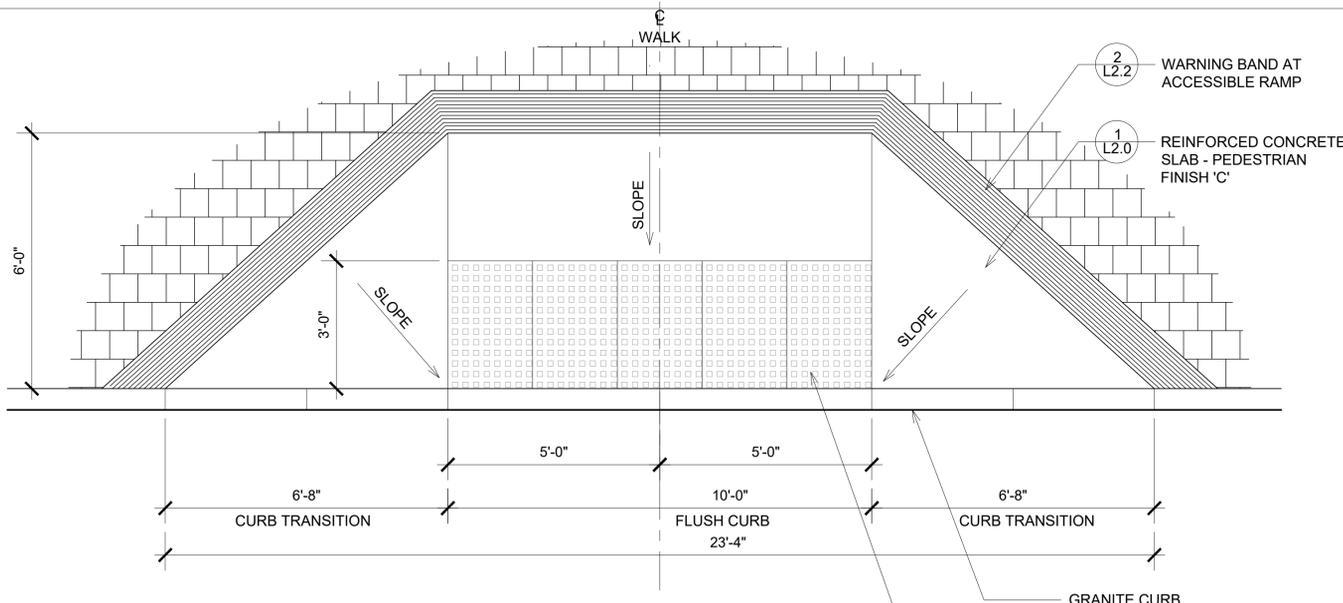
JANE STANFORD WAY SIDEWALK IMPROVEMENTS
 Stanford University
 DETAILS



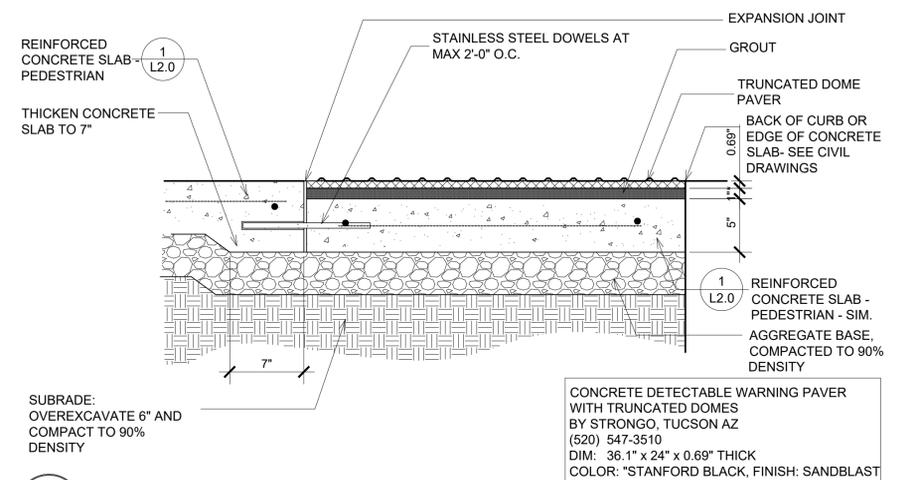
7 PAVER AND BOLLARD LAYOUT ON SOUTH SIDE OF KNIGHT CROSSING
 SCALE: 1/2" = 1'-0"



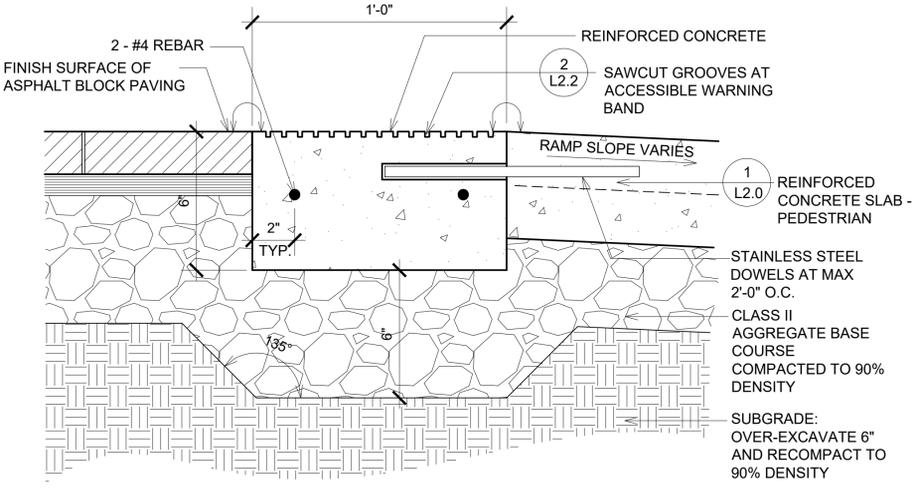
5 ACCESSIBLE RAMP AT SCHWAB CROSSING
 SCALE: 1/2" = 1'-0"



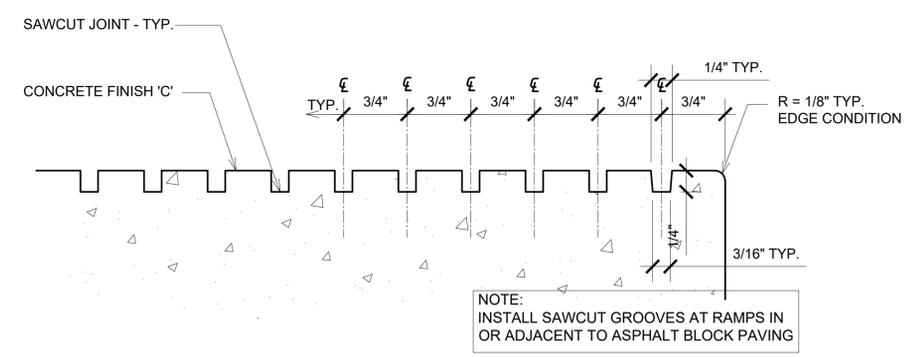
6 ACCESSIBLE RAMP AT KNIGHT CROSSING
 SCALE: 1/2" = 1'-0"



1 TRUNCATED DOME PAVING AT ACCESSIBLE RAMP
 SCALE: 1-1/2" = 1'-0"



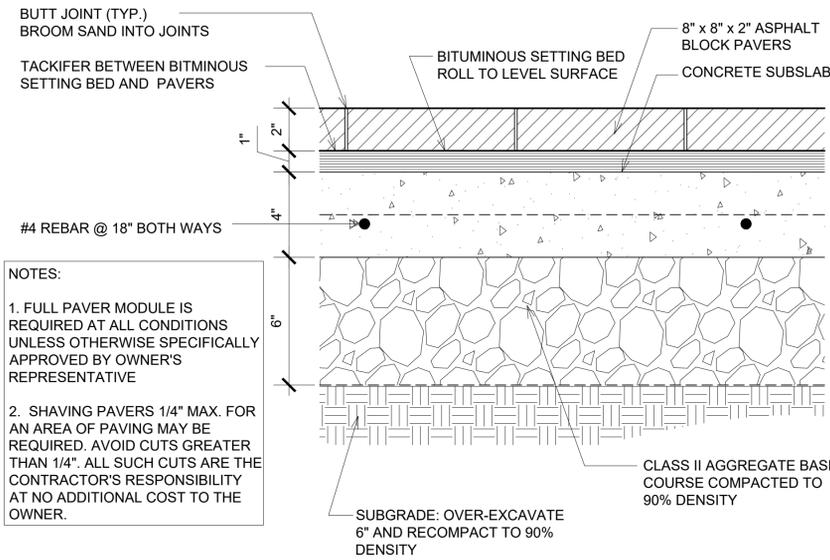
2 WARNING BAND AT ACCESSIBLE RAMP
 SCALE: 3" = 1'-0"



3 SAWCUT GROOVES AT ACCESSIBLE WARNING BAND
 SCALE: FULL SIZE

Δ	DATE	REVISIONS

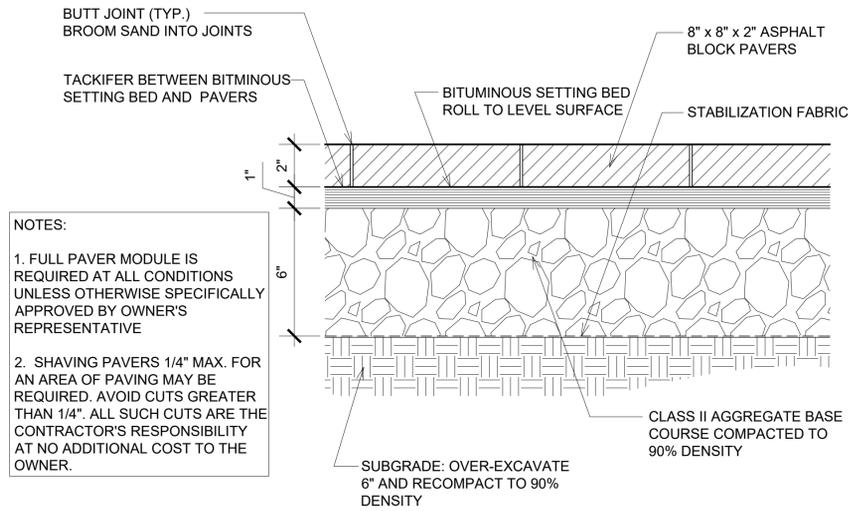
DATE:	15 MAR. 2023
SCALE:	AS NOTED
JOB #:	STA - 20007
DRAWN:	M.T.
CHECKED:	S.S.
TITLE:	DETAILS
SHEET NO.:	L-2.2



NOTES:

1. FULL PAVER MODULE IS REQUIRED AT ALL CONDITIONS UNLESS OTHERWISE SPECIFICALLY APPROVED BY OWNER'S REPRESENTATIVE
2. SHAVING PAVERS 1/4" MAX. FOR AN AREA OF PAVING MAY BE REQUIRED. AVOID CUTS GREATER THAN 1/4". ALL SUCH CUTS ARE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER.

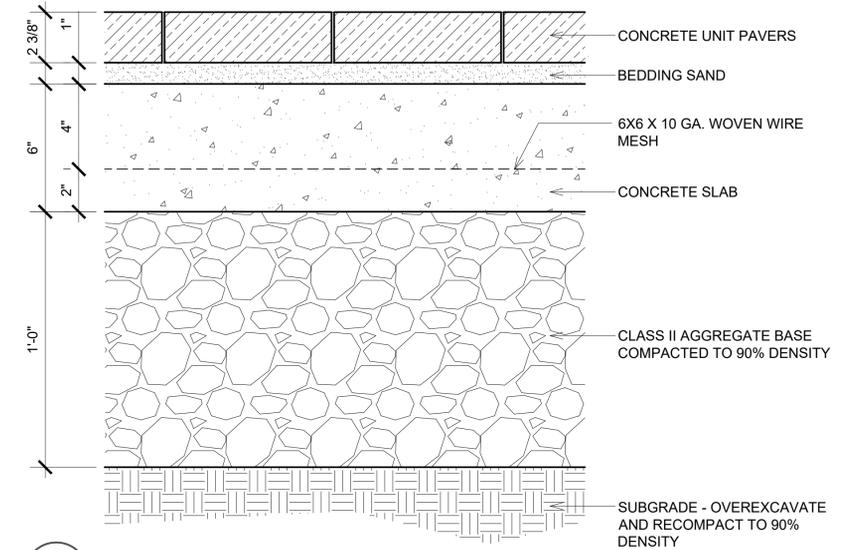
7 ASPHALT BLOCK PAVING ON CONCRETE SLAB - PEDESTRIAN
SCALE: 3" = 1'-0"



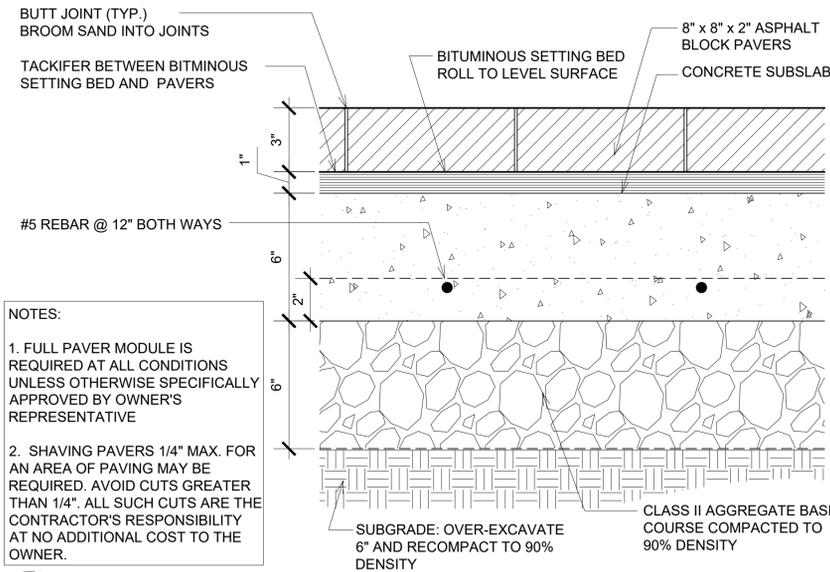
NOTES:

1. FULL PAVER MODULE IS REQUIRED AT ALL CONDITIONS UNLESS OTHERWISE SPECIFICALLY APPROVED BY OWNER'S REPRESENTATIVE
2. SHAVING PAVERS 1/4" MAX. FOR AN AREA OF PAVING MAY BE REQUIRED. AVOID CUTS GREATER THAN 1/4". ALL SUCH CUTS ARE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER.

4 ASPHALT BLOCK PAVING ON AGGREGATE BASE - PEDESTRIAN
SCALE: 3" = 1'-0"



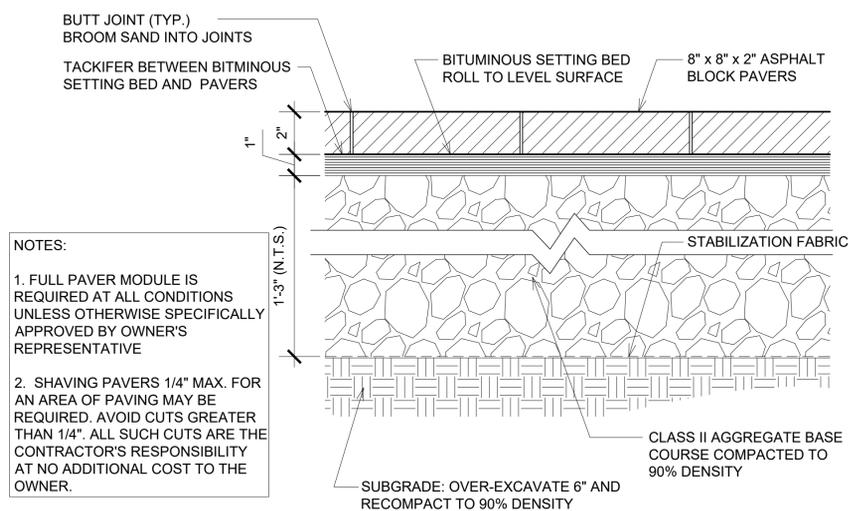
1 CONCRETE UNIT PAVING
SCALE: 3" = 1'-0"



NOTES:

1. FULL PAVER MODULE IS REQUIRED AT ALL CONDITIONS UNLESS OTHERWISE SPECIFICALLY APPROVED BY OWNER'S REPRESENTATIVE
2. SHAVING PAVERS 1/4" MAX. FOR AN AREA OF PAVING MAY BE REQUIRED. AVOID CUTS GREATER THAN 1/4". ALL SUCH CUTS ARE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER.

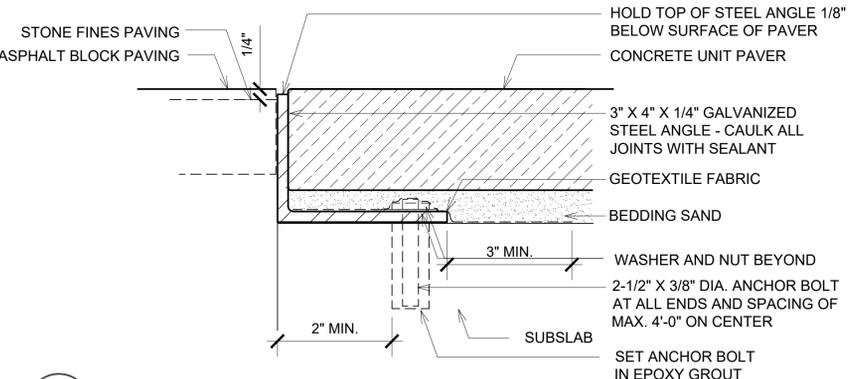
8 ASPHALT BLOCK PAVING ON CONCRETE SLAB - VEHICULAR
SCALE: 3" = 1'-0"



NOTES:

1. FULL PAVER MODULE IS REQUIRED AT ALL CONDITIONS UNLESS OTHERWISE SPECIFICALLY APPROVED BY OWNER'S REPRESENTATIVE
2. SHAVING PAVERS 1/4" MAX. FOR AN AREA OF PAVING MAY BE REQUIRED. AVOID CUTS GREATER THAN 1/4". ALL SUCH CUTS ARE THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST TO THE OWNER.

5 ASPHALT BLOCK PAVING ON AGGREGATE BASE - VEHICULAR
SCALE: 3" = 1'-0"



2 CONCRETE UNIT PAVING - EDGE CONDITION
SCALE: ONE HALF FULL SIZE



JANE STANFORD WAY SIDEWALK IMPROVEMENTS
Stanford University

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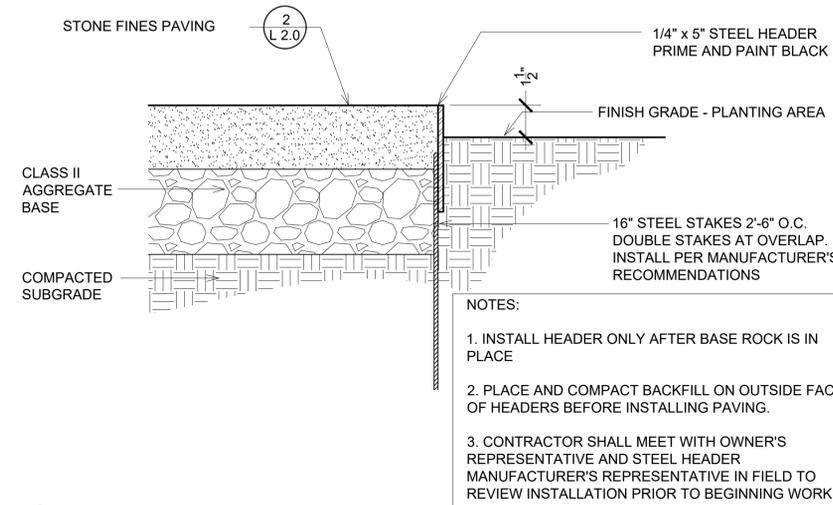
Δ	DATE	REVISIONS

DATE: 15 MAR, 2023
SCALE: AS NOTED
JOB #: STA - 20007
DRAWN: M.T.
CHECKED: S.S.
TITLE: DETAILS
SHEET NO.: **L-2.3**

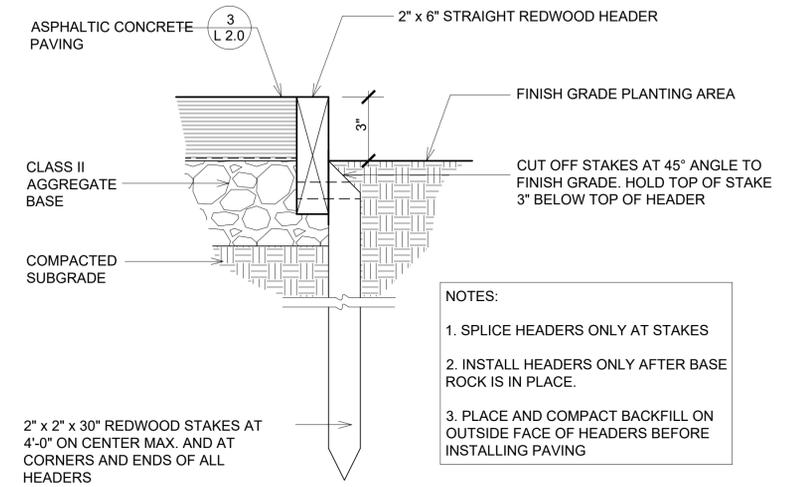


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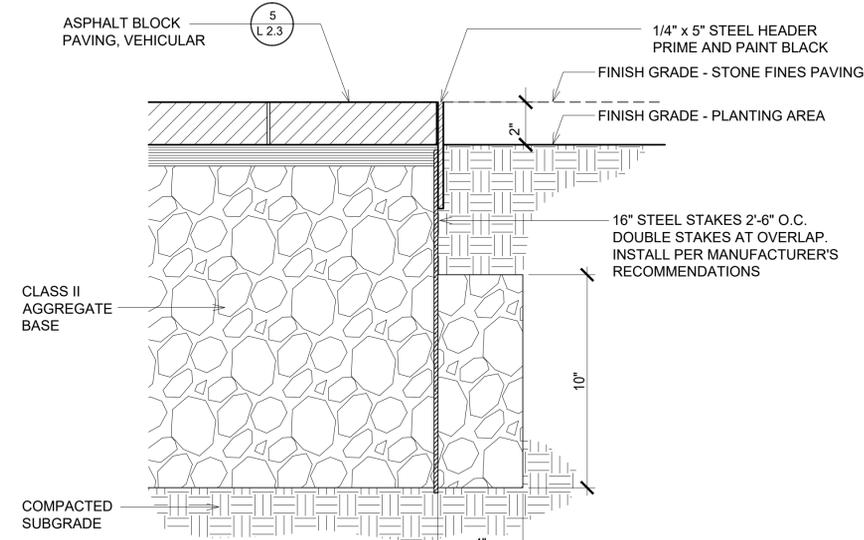
DETAILS



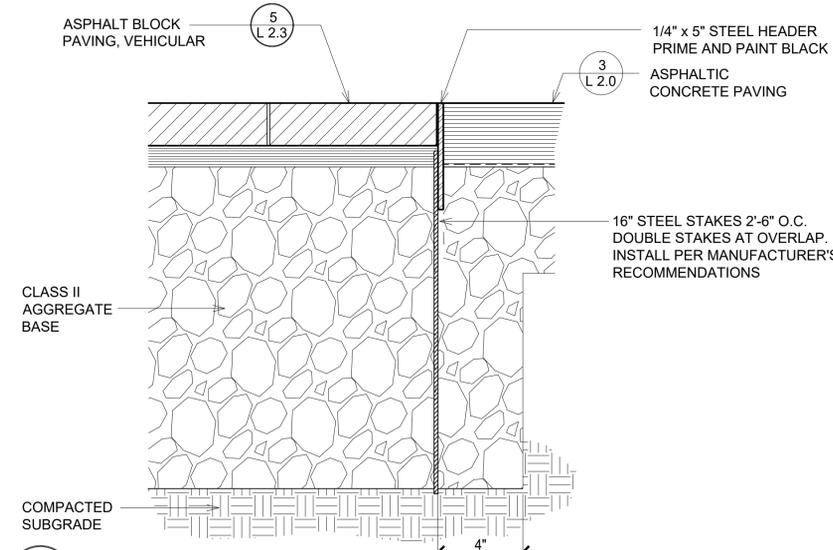
4 STEEL HEADER - STONE FINES PAVING AT PLANTING AREA
 SCALE: 3" = 1'-0"



3 WOOD HEADER - ASPHALT CONCRETE PAVING AT PLANTING AREA
 SCALE: 3" = 1'-0"



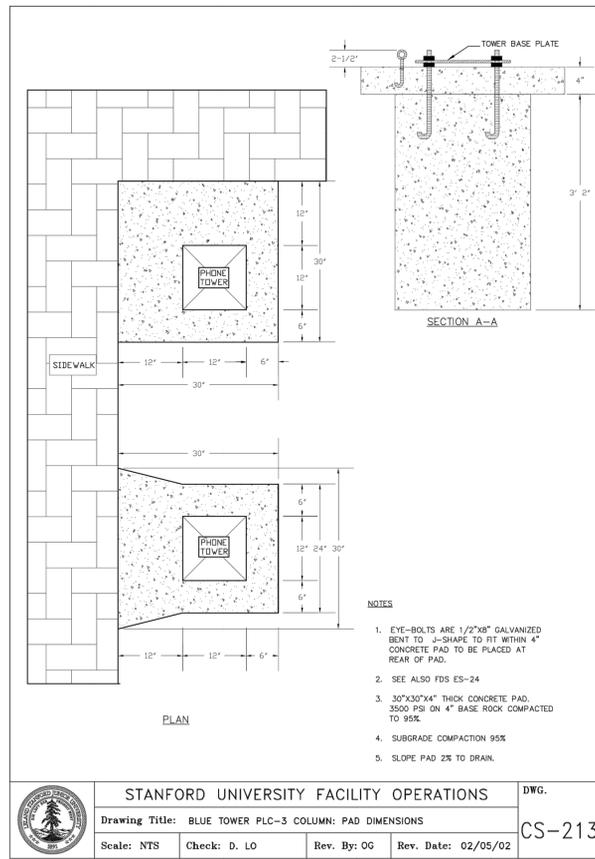
5 STEEL HEADER - ASPHALT BLOCK PAVING AT PLANTING AREA
 SCALE: 3" = 1'-0"



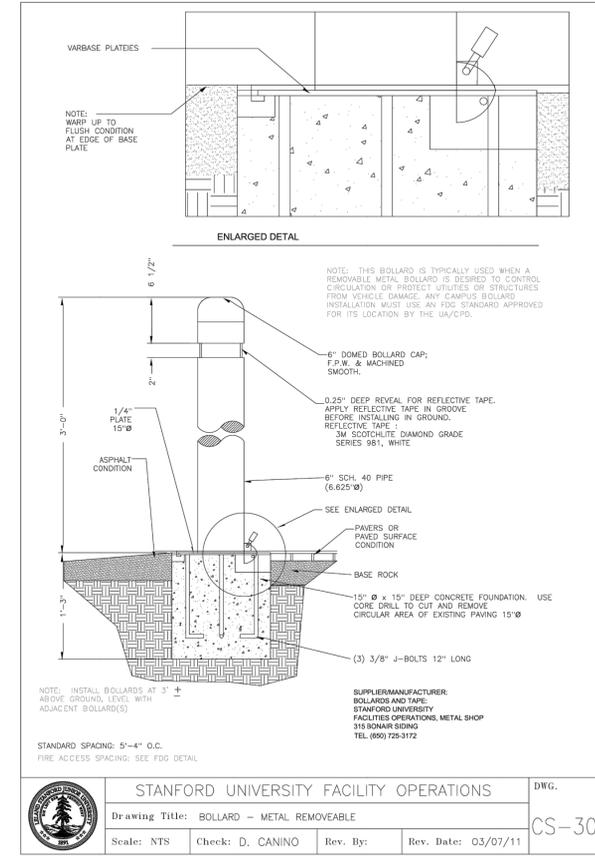
6 STEEL HEADER - ASPHALT BLOCK PAVING AT ASPHALTIC CONCRETE PAVING
 SCALE: 3" = 1'-0"

Δ	DATE	REVISIONS

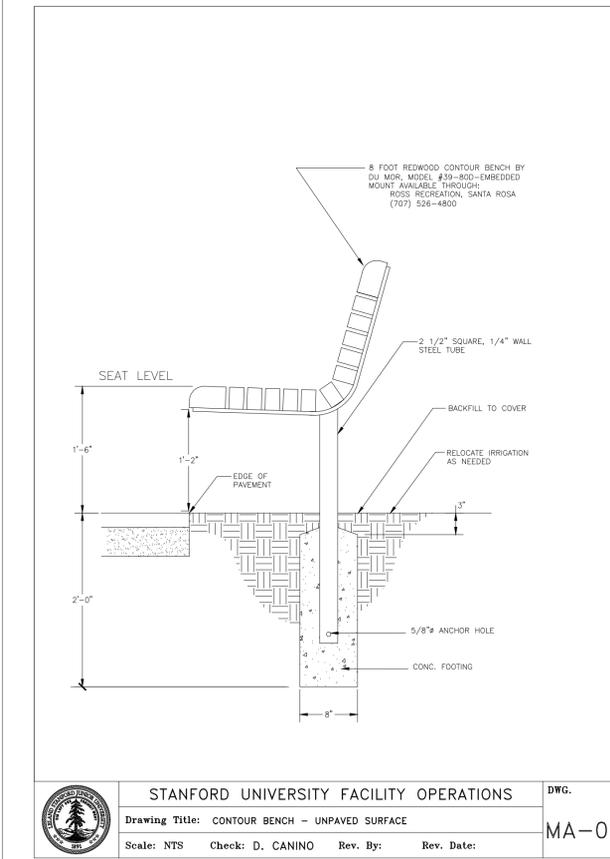
DATE: 15 MAR, 2023
 SCALE: AS NOTED
 JOB #: STA - 20007
 DRAWN: M.T.
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 TITLE: DETAILS
 SHEET NO.: L-2.4



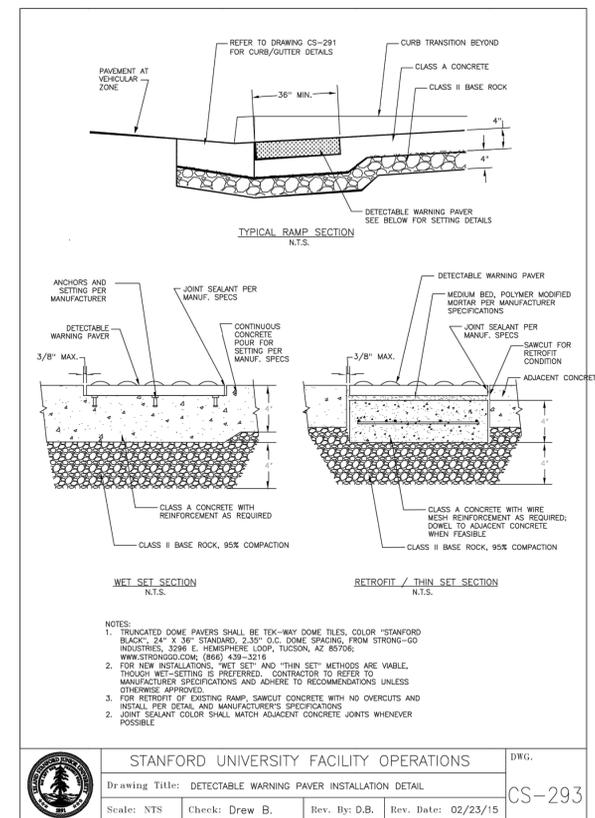
5 BLUE TOWER PLC-3 COLUMN: PAD DIMENSIONS
NO SCALE



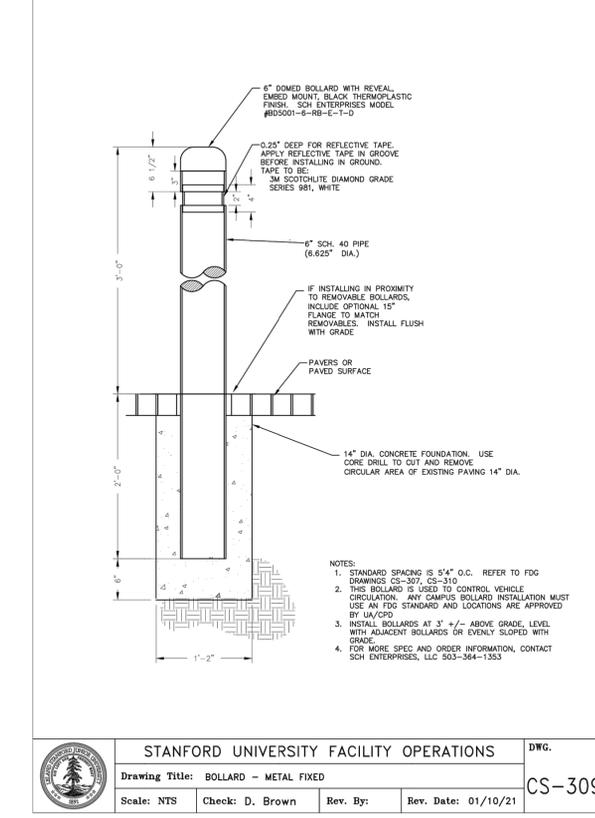
3 BOLLARD - METAL REMOVABLE
NO SCALE



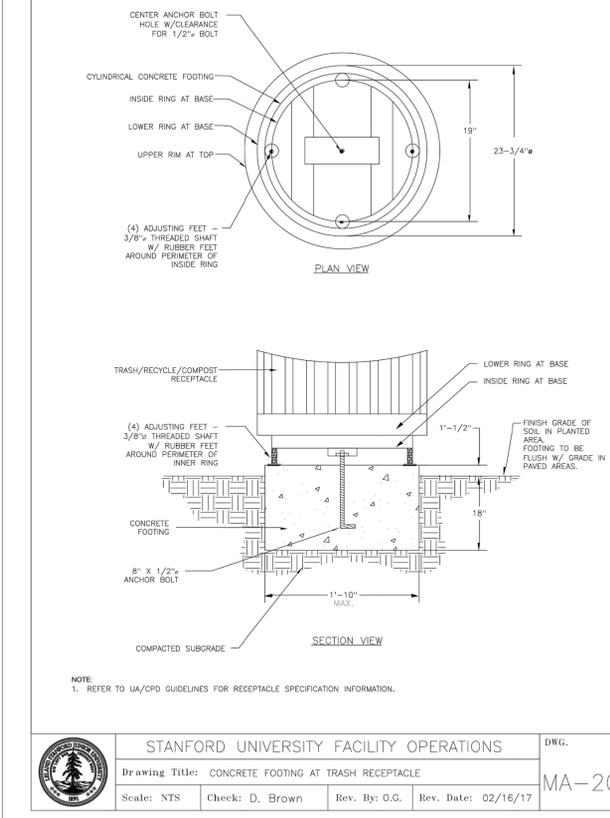
1 CONTOUR BENCH - UNPAVED SURFACE
NO SCALE



6 DETECTABLE WARNING PAVER INSTALLATION
NO SCALE



4 BOLLARD - METAL FIXED
NO SCALE



2 CONCRETE FOOTING AT TRASH RECEPTACLE
NO SCALE

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 305 North Coast Highway Suite T
 Laguna Beach, CA 92651
 Tel: 949.497.4549



JANE STANFORD WAY SIDEWALK IMPROVEMENTS
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 DETAILS

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DATE: 15 MAR, 2023
SCALE: AS NOTED
JOB #: STA - 20007
DRAWN: M.T.
CHECKED: S.S.
TITLE: DETAILS
SHEET NO.: L-2.5

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