GRADING VIOLATION REMEDIATION
LANDS OF FERNANDEZ
15201 CAMELOT DRIVE
SAN JOSE CA 95132
APN 595-05-005

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 ____ AND DATED________________ THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS, 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS. 3) THE COUNTY OF SANTA CLARA STANDARD SPECS, 4) STATE OF CALIFORNIA STANDARD DETAILS, 5) STATE OF CALIFORNIA STANDARD SPECIFICATIONS. IN THE EVENT OF CONFLICT THE FORMER SHALL TAKE PRECEDENCE OVER THE LATTER. THE PERFORMANCE AND COMPLETION OF ALL WORK MUST BE TO THE SATISFACTION OF THE COUNTY.
2. DEVELOPER IS RESPONSIBLE FOR INSTALLATION OF THE IMPROVEMENTS SHOWN ON THESE PLANS AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THEIR CONTINUED MAINTENANCE.
3. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR CONDITIONS OF DEVELOPMENT APPROVAL.
4. DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
5. DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA.
6. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED.
7. DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE COUNTY INSPECTOR.
8. ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO THE USE OF SPARK ARRESTERS.
9. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (4008) 454–2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299–5730. NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6–18).
10. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION.
11. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE–APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

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. LATERAL OFFSET OF STAKES SET FOR CURBS AND GUTTERS SHALL NOT EXCEED 2 1/2 FEET FROM BACK OF CURB.
2. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY DEVELOPER'S ENGINEER AND LICENSED LAND SURVEYOR.
3. PROPERTY LINE STAKING MUST BE PERFORMED BY THE PROJECT ENGINEER OR LAND SURVEYOR TO ESTABLISH OR RE–ESTABLISH THE PROJECT BOUNDARY AND SHALL BE INSPECTED BY THE COUNTY INSPECTOR PRIOR TO THE BEGINNING OF THE WORK.
4. PROPER CONSTRUCTION STAKES SHALL BE SET IN THE FIELD BY THE PROJECT ENGINEER OR LAND SURVEYOR AND VERIFIED BY THE COUNTY INSPECTOR PRIOR TO THE COMMENCEMENT OF GRADING.

CONSTRUCTION INSPECTION

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

SITE PREPARATION (CLEARING AND GRUBBING)

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

UTILITY LOCATION, TRENCHING & BACKFILL

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

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.
2. SEGMENTAL BLOCK RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR.

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

EARTHWORK SUMMARY	CUT (CY)	FILL (CY)
DRIVEWAY		
FIRE DEPT. TURNAROUND		
GARAGE		
HOUSE		
REAR SLOPE		
FLAT YARD		
FRONT SLOPE		
SHRINKAGE (15% OF FILL)		

SEE TABLE SHEET C-4

NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE.

EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE.

7. NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD.
8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE.
9. THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%
10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
11. THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER FOR BUILDING OCCUPANCY.
12. THE PROJECT GEOTECHNICAL ENGINEER SHALL PERFORM COMPACTION TESTING AND PRESENT THE RESULTS TO THE COUNTY ENGINEERING INSPECTOR PRIOR TO THE CONSTRUCTION OF ANY PAVED AREA.
13. GRADING WORK BETWEEN OCTOBER 15TH AND APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL.
14. TOTAL DISTURBED AREA FOR THE PROJECT ______________________________SF.
15. WDID NO.___________________________.
16. THE INSPECTOR MAY VERIFY THAT A VALID NOTICE OF INTENT (NOI) HAS BEEN ISSUED BY THE STATE AND THAT A CURRENT AND UP TO DATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS AVAILABLE ON SITE.

TREE PROTECTION

1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED DEVELOPMENT ON SITE, THE TREES SHALL BE PROTECTED BY THE PLACEMENT OF RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE FOLLOWING:
   - A. FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE OF THE TREE OR GROVE OF TREES.
   - B. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION.
   - C. FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES.
   - D. SIGNAGE STATING, "WARNING– THIS FENCING SHALL NOT BE REMOVED WITHOUT PERMISSION FROM THE SANTA CLARA COUNTY PLANNING OFFICE (408) 299–5770. COUNTY OF SANTA CLARA TREE PROTECTION MEASURES MAY BE FOUND AT http://www.sccplanning.gov." SHALL BE PLACED ON THE TREE PROTECTIVE FENCING UNTIL FINAL OCCUPANCY.
2. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.
3. SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

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).
2. ALL DRIVEWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15 LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2–INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING.
3. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES AND LOCAL RESIDENTS.
4. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
5. ALL WORK IN THE COUNTY ROAD RIGHT–OF–WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH INDIVIDUAL ACTIVITY REQUIRES A SEPARATE PERMIT – I.E. CABLE, ELECTRICAL, GAS, SEWER, WATER, RETAINING WALLS, DRIVEWAY APPROACHES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ETC..

STREET LIGHTING

1. PACIFIC GAS & ELECTRIC ELECTROLIER 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.
2. ALL MATERIALS AND METHODS OF CONSTRUCTION OF SANITARY SEWERS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTION INVOLVED. INSPECTION OF SANITARY SEWER WORK SHALL BE DONE BY SAID JURISDICTION.

PORTLAND CEMENT CONCRETE

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

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.
2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD.
3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON–TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.
4. 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.
5. SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS. THE USE OF DRY POWDER SWEEPING IS PROHIBITED.
6. ALL CONSTRUCTION VEHICLES, EQUIPMENT AND DELIVERY TRUCKS SHALL HAVE A MAXIMUM IDLING TIME OF 5 MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXIC CONTROL MEASURE TITLE 13, SECTION 2485 OF CALIFORNIA CODE OF REGULATIONS (CCR)). ENGINES SHALL BE SHUT OFF IF CONSTRUCTION REQUIRES LONGER IDLING TIME UNLESS NECESSARY FOR PROPER OPERATION OF THE VEHICLE.
7. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES PER HOUR.
8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.
9. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED.
   - A. 15 MILES PER HOUR (MPH) SPEED LIMIT
   - B. 5 MINUTES MAXIMUM IDLING TIME OF VEHICLES
   - C. TELEPHONE NUMBER TO CONTACT THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGARDING DUST COMPLAINTS. NOTE PHONE NUMBER OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AIR POLLUTION COMPLAIN HOTLINE OF 1–800–334–6367.
10. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
11. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED WITH BROME SEED SPREAD AT THE RATE OF 5 LB. PER 1000 SQUARE FEET (OR APPROVED EQUAL). SEEDING AND WATERING SHALL BE MAINTAINED AS REQUIRED TO ENSURE GROWTH.
12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SD8.
13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED CONCRETE RIP–RAP. ENERGY DISSIPATERS SHALL BE INSTALLED AT ALL DITCH OUTFALLS. WHERE OUTFALLS ARE NOT INTO AN EXISTING CREEK OR WATER COURSE, RUNOFF SHALL BE RELEASED TO SHEET FLOW.
14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADE SLOPES AND REDUCE THE POTENTIAL FOR EROSION OF THE SUBJECT SITE.
15. PERMANENT LANDSCAPING SHOWN ON THE ATTACHED LANDSCAPE PLAN MUST BE INSTALLED AND FIELD APPROVED BY THE COUNTY PLANNING OFFICE PRIOR TO FINAL APPROVAL BY THE COUNTY ENGINEER, AND FINAL OCCUPANCY RELEASE BY THE BUILDING INSPECTION OFFICE.
16. THE OWNER SHALL PREPARE AND PRESENT A WINTERIZATION REPORT TO THE COUNTY INSPECTOR FOR REVIEW PRIOR TO OCTOBER 15TH OF EVERY YEAR.
17. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL INSTALL AND MAINTAIN CONSTRUCTION BEST MANAGEMENT PRACTICES (BMPS) ON THE PROJECT SITE AND WITHIN THE SANTA CLARA COUNTY ROAD RIGHT–OF–WAY THROUGHOUT THE DURATION OF THE CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL TO PREVENT THE DISCHARGE OF POLLUTANTS INCLUDING SEDIMENT, CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, AND WASTE INTO THE SANTA CLARA COUNTY RIGHT–OF–WAY, STORM SEWER WATERWAYS, ROADWAY INFRASTRUCTURE. BMPS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING;
   - A. PREVENTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN / STAGING AREAS.
   - B. PREVENTION OF TRACKING OF MUD, DIRT, AND CONSTRUCTION MATERIALS ONTO THE PUBLIC ROAD RIGHT–OF–WAY.
   - C. PREVENTION OF DISCHARGE OF WATER RUN–OFF DURING DRY AND WET WEATHER CONDITIONS ONTO THE PUBLIC ROAD RIGHT–OF–WAY.
18. THE OWNER, CONTRACTOR, AND ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON–HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY ROAD RIGHT–OF–WAY.
19. EROSION CONTROL PLAN IS A GUIDE AND SHALL BE AMENDED AS NECESSARY TO PREVENT EROSION AND ILLICIT DISCHARGES ON A YEAR AROUND 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 SITE AND SITUATIONALY APPROPRIATE EROSION CONTROL MEASURES MAY RESULT IN VIOLATIONS, FINES, AND A STOPPAGE OF WORK.

STORM DRAINAGE AND STORMWATER MANAGEMENT

1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE OF THESE FACILITIES IN A MANNER WHICH WILL PRECLUDE ANY HAZARD TO LIFE, HEALTH, OR DAMAGE TO ADJOINING PROPERTY, CONSISTENT WITH NPDES PERMIT CAS612008 / ORDER NO. R2–2009–0047 AND NPDES PERMIT CAS000004/ ORDER NO. 2013–0001–DWQ.
2. DROP INLETS SHALL BE COUNTY STANDARD TYPE 5 UNLESS OTHERWISE NOTED ON THE PLANS. THE DEVELOPER'S ENGINEER SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OF DROP INLETS. WHERE STREET PROFILE GRADE EXCEEDS 6% DROP INLETS SHALL BE SET AT 500 ANGLE CURB LINE TO ACCEPT WATER OR AS SHOWN ON THE PLANS.
3. WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN OPEN AREA FOR SHEET FLOW.
4. UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL PROVIDE FOR THE UNINTERRUPTED FLOW OF WATER IN ROADSIDE DITCHES.
5. THE COUNTY SHALL INSPECT UNDERGROUND DRAINAGE IMPROVEMENTS AND STORMWATER MANAGEMENT FEATURES PRIOR TO BACKFILL.

AS–BUILT PLANS STATEMENT

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

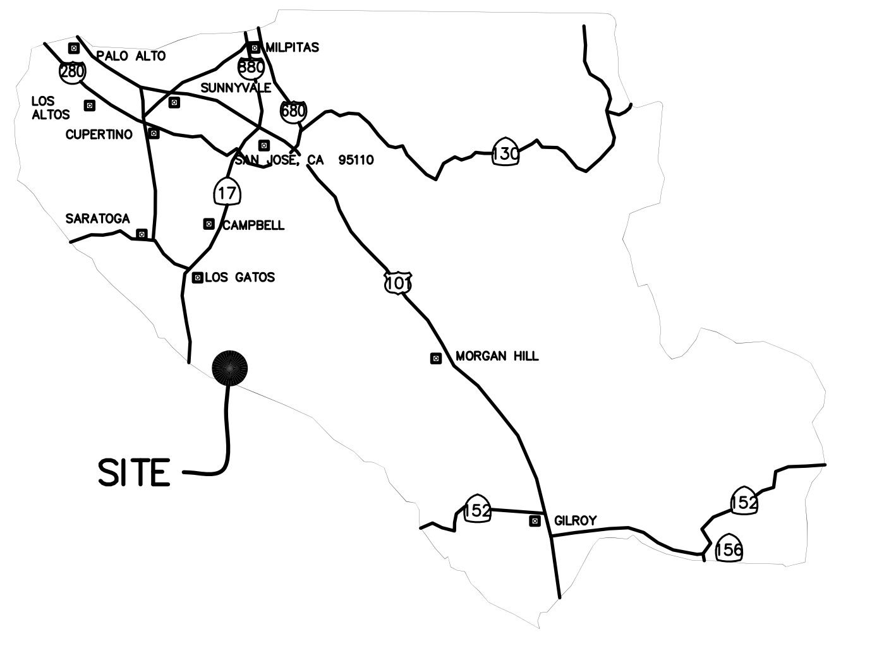
_______________ DATE

_______________ SIGNATURE

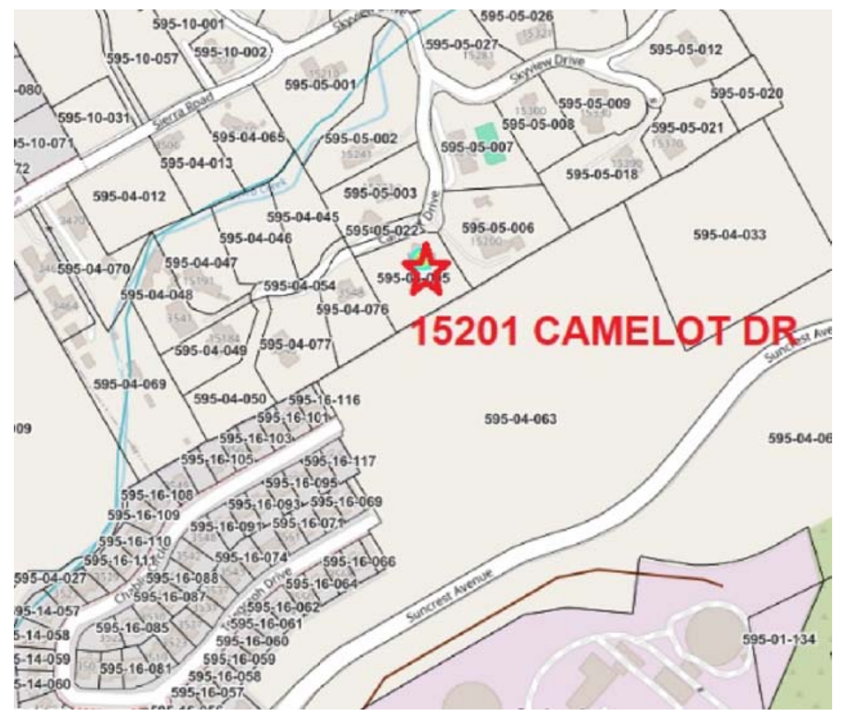
NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPYOF THE AS–BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTERCONSTRUCTION.

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 IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION AND RELEASE OF THE BOND.



COUNTY LOCATION MAP



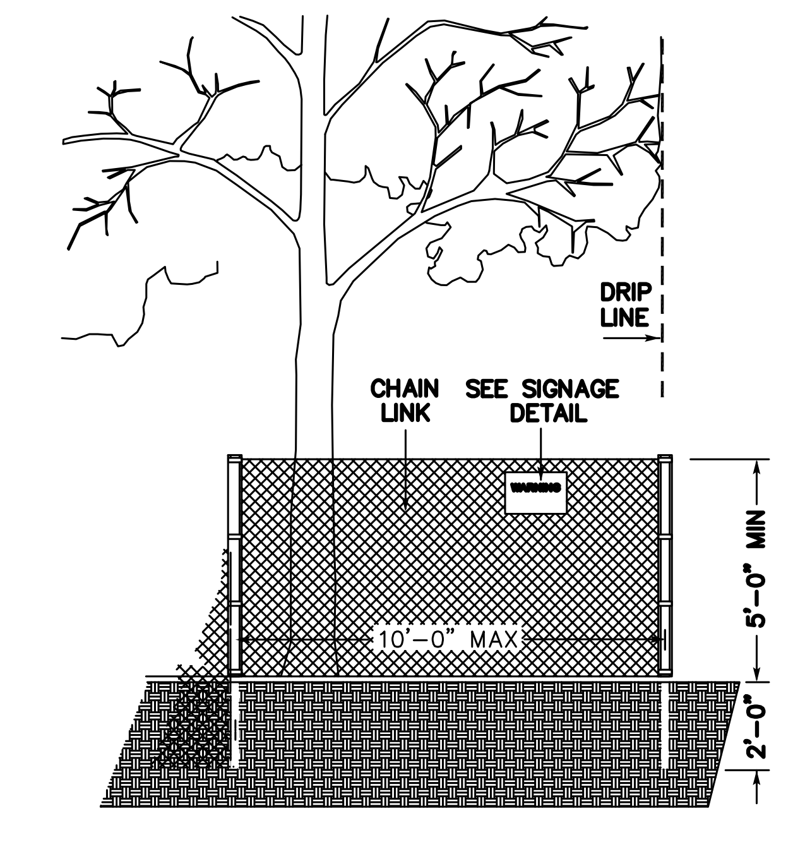
VICINITY MAP

SCOPE OF WORK

SEE SCOPE OF WORK SHEET C–2

SURVEY MONUMENT PRESERVATION

1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION ACTIVITIES.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE, STAKE, AND FLAG OR OTHERWISE IDENTIFY WITH PAINT OR OTHER MARKINGS ALL PERMANENT SURVEY MONUMENTS OF RECORD AND ANY UNRECORDED MONUMENTS THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET OF THE CONSTRUCTION ACTIVITY.
3. THE LANDOWNER, CONTRACTOR AND/OR ANY PERSON PERFORMING CONSTRUCTION ACTIVITIES THAT WILL OR MAY DISTURB AN EXISTING MONUMENT, CORNER STAKE, OR ANY OTHER PERMANENT SURVEYED MONUMENT SHALL CAUSE TO HAVE A LICENSED LAND SURVEYOR OR CIVIL ENGINEER, AUTHORIZED TO PRACTICE SURVEYING, ENSURE THAT A CORNER RECORD AND/OR RECORD OF SURVEY ARE FILED WITH THE COUNTY SURVEYOR'S OFFICE PRIOR TO DISTURBING SAID MONUMENTS AND RESET PERMANENT MONUMENT(S) IN THE SURFACE OF THE NEW CONSTRUCTION OR SET A WITNESS MONUMENT(S) TO PERPETUATE THE LOCATION IF ANY PERMANENT MONUMENT COULD BE DESTROYED, DAMAGED, COVERED, DISTURBED, OR OTHERWISE OBLITERATED. THE LICENSED LAND SURVEYOR OR CIVIL ENGINEER SHALL FILE A CORNER RECORD OR RECORD OF SURVEY WITH COUNTY SURVEYOR PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR.



SURVEYED BY
NEEDS UPDATING
ORIGINAL SITE TOPOGRAPHY–CROSS LAND SURVERYING, FEB 14, 2023 STOCKPILE TOPO–WILSON LAND SURVEYS, JUNE 21, 2025

BASIS OF BEARINGS AND BENCHMARK

BEARINGS AND DISTANCES SHOWN ON THIS MAP ARE BASED ON A FAST–STATIC GPS SURVEY HOLDING SANTA CLARA VALLEY WATER DISTRICT NETWORK CONTROL POINTS P226 AND P221 THERE DIMENSIONALLY AND P227 VERTICALLY IN A LEAST SQUARES ADJUSTMENT OF THE GPS DATA. COORDINATE VALUES HELD ARE AS SHOWN ON THE RECORD OF SURVEY MAP FILED FEBRUARY 16, 2010 IN BOOK 835 OF MAPS AT PAGES 31 THROUGH 35, SANTA CLARA COUNTY RECORDS, MEASURED BEARINGS AND DISTANCES ARE GRID, NAD83, CALIFORNIA COORDINATE SYSTEM, ZONE 3, EPOCH 2009. MULTIPLE GRID DISTANCES BY 1.000071775 TO OBTAIN GROUND LEVEL DISTANCES. ELEVATION ARE ON THE NAVD88 ELEVATION DATUM.

ABBREVIATIONS

	BW	BOTTOM WALL	LP	LOW POINT
	BSBL	BUILDING SETBACK LINE	PL	PROPERTY LINE
▥	CB/DB	CATCH BASIN/DRAIN BASIN	PVC	POLY VINYL CHLORIDE
	EP	EDGE OF PAVEMENT	RTW	RETAINING WALL
	EX	EXISTING	S	SLOPE
	FF	FINISH FLOOR	STD	STANDARD
	FG	FINISH GRADE	SD	STORM DRAIN
	FL	FLOW LINE	◎ SDMH	STORM DRAIN MANHOLE
	GB	GRADE BREAK	TW	TOP OF WALL
	HP	HIGH POINT	P.U.E.	PUBLIC UTILITY EASEMENT
	INV	INVERT	CD	CURTAIN DRAIN
	☊	JOINT POLE	SBD	SUBDRAIN
	L	LENGTH		

EXISTING TREE PROTECTION DETAILS

1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION. THIS CONDITION SHALL BE INCORPORATED INTO THE GRADING PLANS.
2. FENCE SHALL BE MINIMUM 5 FEET TALL CONSTRUCTED OF STURDY MATERIAL (CHAIN–LINK OR EQUIVALENT STRENGTH/ DURABILITY).
3. FENCE SHALL BE SUPPORTED BY VERTICAL POSTS DRIVEN 2 FEET (MIN) INTO THE GROUND AND SPACED NOT MORE THAN 10 FEET APART.
4. TREE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE DURING THE CONSTRUCTION PERIOD, INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION, REPAIRED AS NECESSARY TO PROVIDE A PHYSICAL BARRIER FROM CONSTRUCTION ACTIVITIES, AND REMAIN IN PLACE UNTIL THE FINAL INSPECTION.
5. A SIGN THAT INCLUDES THE WORDS, "WARNING: THIS FENCE SHALL NOT BE REMOVED WITHOUT THE EXPRESSED PERMISSION OF THE SANTA CLARA COUNTY PLANNING OFFICE," SHALL BE SECURELY ATTACHED TO THE FENCE IN A VISUALLY PROMINENT LOCATION.

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	PROPERTY LINE	
	ADJACENT PROPERTY LINE	
	STREET CENTER LINE	
	BUILDING SETBACK LINES	
	EASEMENT	
	PAVEMENT	
	CURB	
	CONCRETE	
530	CONTOUR MAJOR	530
534	CONTOUR MINOR	534
	DAYLIGHT LINE	
	BLOCK RETAINING WALL	
	ROCK RETAINING WALL	
	DRIVEWAY	
	BUILDING	
	BUILDING 2nd FLOOR	
	AC BERM	
TOP	TOP OF BANK	TOP
TOE	TOE OF BANK	TOE
	CREEK FLOWLINE	
	WIRE FENCE	
	CHAIN LINK FENCE	
	WOOD FENCE	
SS	SANITARY SEWER LINE	SS
	PERFORATED SEPTIC LINE	
E	ELECTRIC LINE	E
G	GAS LINE	G
JT	JOINT TRENCH	JT
	STORM DRAIN LINE	
W	WATER LINE	W
OH	OVERHEAD WIRE	OH
	GRASSY SWALE	

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

NO WORK SHALL BE DONE IN THE COUNTY'S RIGHT–OF–WAY WITHUOT AN ENCROACHEMENT PERMIT, INCLUDING THE STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT OF PORTABLE TOILETS.

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 FILE(S) NO. ____________________

DATE 9–22–25 SIGNATURE

REGISTERED PROFESSIONAL ENGINEER TERENCE J. SZEWCZYK NO. 35527 EXP. 9-30-23 STATE OF CALIFORNIA

35527
R.C.E. NO.

9–30–23
EXPIRATION DATE

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. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS OF THE PLANS, THE COUNTY SHALL HAVE THE AUTHORITY TO REQUIRE THE SUSPENSION OF WORK, AND THE NECESSARY MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

DATE ____________________ ____________________

R.C.E. NO. EXPIRATION DATE

SHEET INDEX

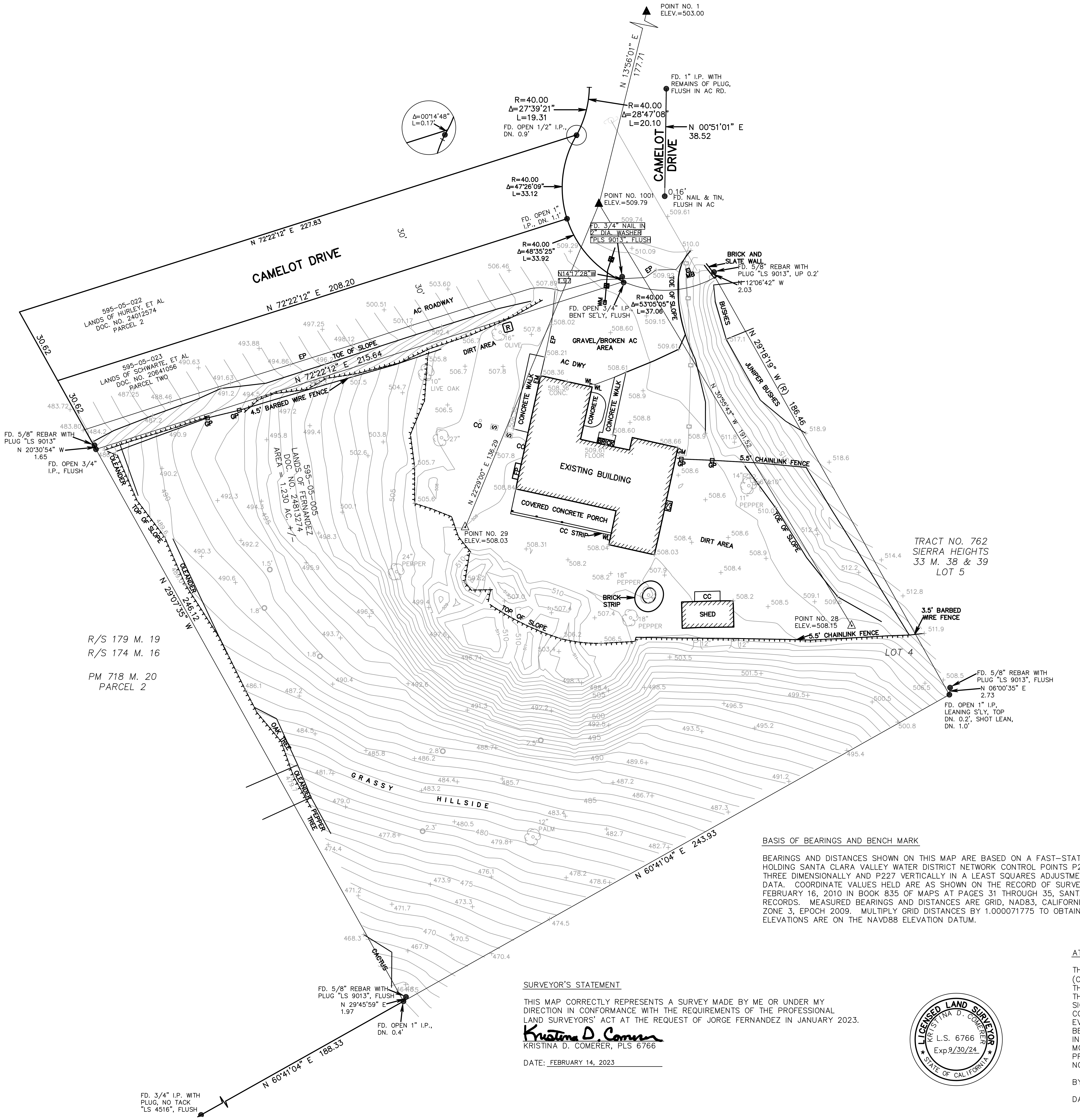
C-1	COUNTY GRADING COVERSHEET
C-2	TOPOGRAPHY
C-3	PRIOR TO VIOLATION FILL VIOLATION MAP
C-4	CROSS-SECTION & VOLUME CALC
C-5	SITE LOGISTICS & EROSION CONTROL PLAN
BMP-1	BEST MANAGEMENT PRACTICES AND EROSION CONTROL DETAILS - SHEET 1
BMP-2	BEST MANAGEMENT PRACTICES AND EROSION CONTROL DETAILS - SHEET 2

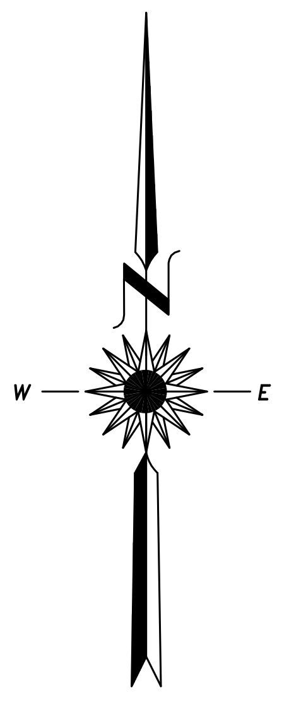
TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110
20-238
TS CIVIL ENGINEERING
PH: 408.452.9300 FAX: 408.837.7550

Revision 1	Date	APN 562-02-005	Sheet C-1
Revision 2	Date	Co. File	
Revision 3	Date		

APPLICANT: RICHMOND ROAD: LOMA PRIETA AVE COUNTY FILE NO.:

BOUNDARY AND TOPOGRAPHIC SURVEY
15201 CAMELOT DRIVE
SAN JOSE, CALIFORNIA
FEBRUARY 6, 2023
SCALE: 1" = 20'
CONTOUR INTERVAL = 1 FOOT





LEGEND

●	FD. MONUMENT AS NOTED
▲	FD. MAG NAIL
△	SET 120D NAIL WITH PUNCH
CO ○	CLEAN OUT
CC	CONCRETE
CS	CRAWL SPACE
EM	ELECTRIC METER
FP	FIRE PLACE
GM	GAS METER
GP ▣	GATE POST
(	GUY POLE
○	JOINT POLE
MB ▣	MAIL BOX
☒	OVERHANG SUPPORT POST
R	ROCK
1.5' ◎	4" DIA. X HEIGHT PVC BREATHER PIPE
S	SEPTIC TANK LID
100.00+	SPOT ELEVATION
12"	STUMP AS NOTED
18"	TREE AS NOTED
WL ○	WATER LINE AT DAYLIGHT
WM	WATER METER
———	BOUNDARY LINE
·······	BUSHES/TREE OUTLINE
//////	BUILDING LINE
———	EASEMENT LINE
-------	FENCE LINE AS NOTED
———	SURVEY CONTROL LINE
———	TOE OF SLOPE
┬┬┬┬┬┬	TOP OF SLOPE
—W—W—	RED PAINTED LINE–WATER
—G—G—	YELLOW PAINTED LINE–GAS

BASIS OF BEARINGS AND BENCH MARK

BEARINGS AND DISTANCES SHOWN ON THIS MAP ARE BASED ON A FAST–STATIC GPS SURVEY HOLDING SANTA CLARA VALLEY WATER DISTRICT NETWORK CONTROL POINTS P226 AND P221 THREE DIMENSIONALLY AND P227 VERTICALLY IN A LEAST SQUARES ADJUSTMENT OF THE GPS DATA. COORDINATE VALUES HELD ARE AS SHOWN ON THE RECORD OF SURVEY MAP FILED FEBRUARY 16, 2010 IN BOOK 835 OF MAPS AT PAGES 31 THROUGH 35, SANTA CLARA COUNTY RECORDS. MEASURED BEARINGS AND DISTANCES ARE GRID, NAD83, CALIFORNIA COORDINATE SYSTEM, ZONE 3, EPOCH 2009. MULTIPLY GRID DISTANCES BY 1.000071775 TO OBTAIN GROUND LEVEL DISTANCES. ELEVATIONS ARE ON THE NAVD88 ELEVATION DATUM.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF JORGE FERNANDEZ IN JANUARY 2023.

Kristina D. Comerer
KRISTINA D. COMERER, PLS 6766

DATE: FEBRUARY 14, 2023

KRISTINA D. COMERER
L.S. 6766
Exp. 9/30/24

ATTENTION:

THIS MAP IS PROVIDED IN AN ELECTRONIC FORMAT (ON COMPUTER DISK) AS A COURTESY TO JORGE FERNANDEZ. THE DELIVERY OF THE ELECTRONIC FILE DOES NOT CONSTITUTE THE DELIVERY OF OUR PROFESSIONAL WORK PRODUCT. THE SIGNED PAPER PRINT DELIVERED WITH THIS ELECTRONIC FILE CONSTITUTES OUR PROFESSIONAL WORK PRODUCT, AND IN THE EVENT THE ELECTRONIC FILE IS ALTERED, THE PRINT MUST BE REFERRED TO, FOR THE ORIGINAL AND CORRECT SURVEY INFORMATION. WE SHALL NOT BE RESPONSIBLE FOR ANY MODIFICATIONS MADE TO THE ELECTRONIC FILE, OR FOR ANY PRODUCTS, DERIVED FROM THE ELECTRONIC FILE WHICH ARE NOT REVIEWED, SIGNED AND SEALED BY US.

BY: Kristina D. Comerer

DATE: FEBRUARY 14, 2023

CROSS LAND SURVEYING, INC.
2210 MT. PLEASANT ROAD
SAN JOSE, CA 95148
(408) 274–7994

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110
CIVIL ENGINEERING
PH: 408.452.9300
FAX: 408.837.7550

TOPOGRAPHY PRIOR TO VIOLATION
15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

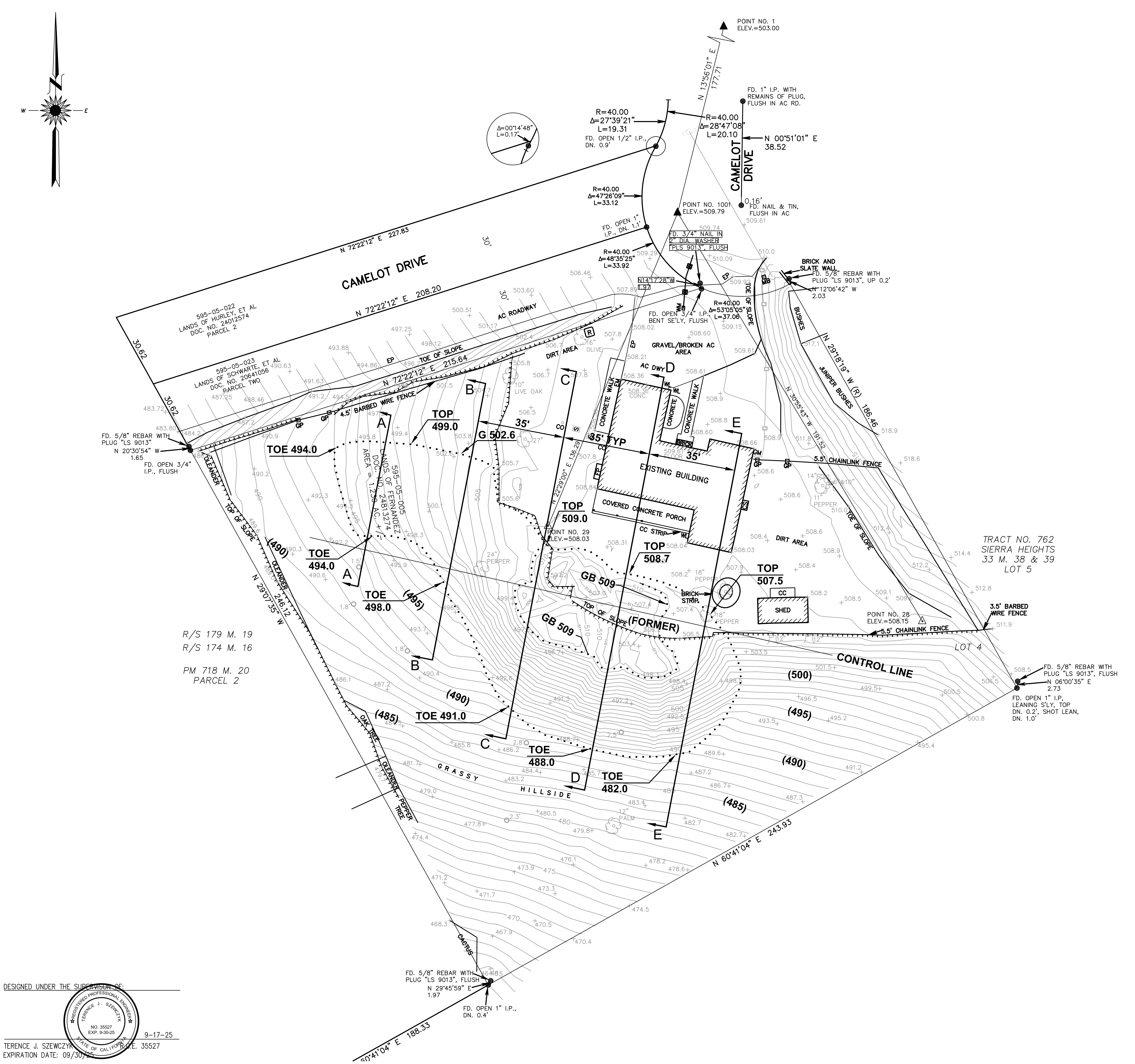
	BY	REVISIONS	DATE
6			
5			
4			
3			
2			
1			

DATE:	09-22-25
SCALE:	1"=20'
DRAWN BY:	DKH
SURVEYED BY:	XXX
PROJ ENGR:	TJS
CHECK BY:	TJS

SHEET NO.
C-2
OF 7 SHEET

JOB NO.
25-216

09/23/2025 5:21pm – Z:\2. Email Projects\EM09192025__02 (TJS – NEED THIS SATURDAY – 1)\S_Final\25-216 C-2 TOPOGRAPHIC SURVEY.dwg – C2



DESIGNED UNDER THE SUPERVISON OF:

NO. 35527
EXP. 9-30-25

9-17-25

TERENCE J. SZEWCZYK R.C.E. 35527
EXPIRATION DATE: 09/30/25

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE	▬ ▬ ▬	▬ ▬ ▬
ADJACENT PROPERTY LINE	—— — — ——	
STREET CENTER LINE	—— — ——	—— — ——
BUILDING SETBACK LINES	—— —— ——	—— —— ——
EASEMENT	—— ——	—— ——
DIRT ROAD	░	
ROAD/PAVEMENT	▒	▒
CURB	═	═
CURB AND GUTTER	≡	≡
CONCRETE	░	░
CONTOUR MAJOR	—530—	530
CONTOUR MINOR	—534—	534
DAYLIGHT LINE		• • • • • •
BLOCK RETAINING WALL	═	═
ROCK RETAINING WALL	· · · · · ·	· · · · · ·
DRIVEWAY	——	——
BUILDING	▨	▬
AC BERM	========	========
TOP OF BANK	—TOP—	—TOP—
TOE OF BANK	—TOE—	—TOE—
CREEK FLOWLINE	→ · · · → · · ·	→ · · · → · · ·
WIRE FENCE	—x—x—x—	—x—x—x—
CHAIN LINK FENCE	—○—○—○—	—○—○—○—
WOOD FENCE	—□—□—□—	—□—□—□—
SANITARY SEWER LINE	—SS—	—SS—
PERFORATED SEPTIC LINE	⊢— — —	⊢— — —
ELECTRIC LINE	—E—	—E—
GAS LINE	—G—	—G—
STORM DRAIN LINE	▬ □ ▬	▬ □ ▬
WATER LINE	—W—	—W—
OVERHEAD WIRE	—OH—	—OH—
DOWNSPOUT W/ SPLASHBLOCK		⊖□→
OVERLAND RELEASE		⇨
LIMIT OF WORK		■ ■ ■ ■ ■

NOTE:

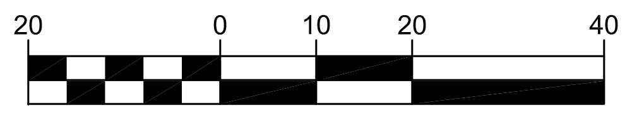
DISTURBED AREA = 9325 SF

TOE & TOP OF FILLED AREA EQUAL DISTURBED AREA •—•—•—•—•

SCOPE OF WORK:

1. CONDUCT PRE-CONSTRUCTION MEETING WITH LAND DEVELOPMENT FIELD INSPECTOR
2. INSTALL PERIMETER EROSION CONTROL, PORTA-POTTY & CONSTRUCTION ENTRANCE
3. STRIP VEGETATIVE MATERIAL FROM STOCKPILE & HAUL OFF TO LEGAL DUMPSITE, WATER SITE FOR DUST CONTROL
4. EXCAVATE STOCKPILE & LOAD DUMP TRUCKS FOR HAULING, IF 20 CY PER LOAD APPROXIMATELY 60 LOADS
5. EXPOSE ORIGINAL GROUND BELOW STOCKPILE & REMOVE ANY VEGETATIVE MATERIAL SCARIFY SURFACE AREA 6" TO 8" DEEP AND RECOMPACT SURFACE AT OPTIMUM MOISTURE TO 90% COMPACTION
6. INSTALL STRAW WATTLES ACROSS RESTORED SLOPE SURFACE (4 ROWS AT 15' HORIZONTAL SPACING)
7. COORDINATE COUNTY FINAL, INSPECTION
8. SITE CLEAN-UP, REMOVE TOILET, REMOVE GRADING EQUIPMENT

GRAPHIC SCALE



(IN FEET)
1" = 20'

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110

TS CIVIL ENGINEERING

PH: 408.452.9300
FAX: 408.837.7550

FILL VIOLATION GRADING PLAN

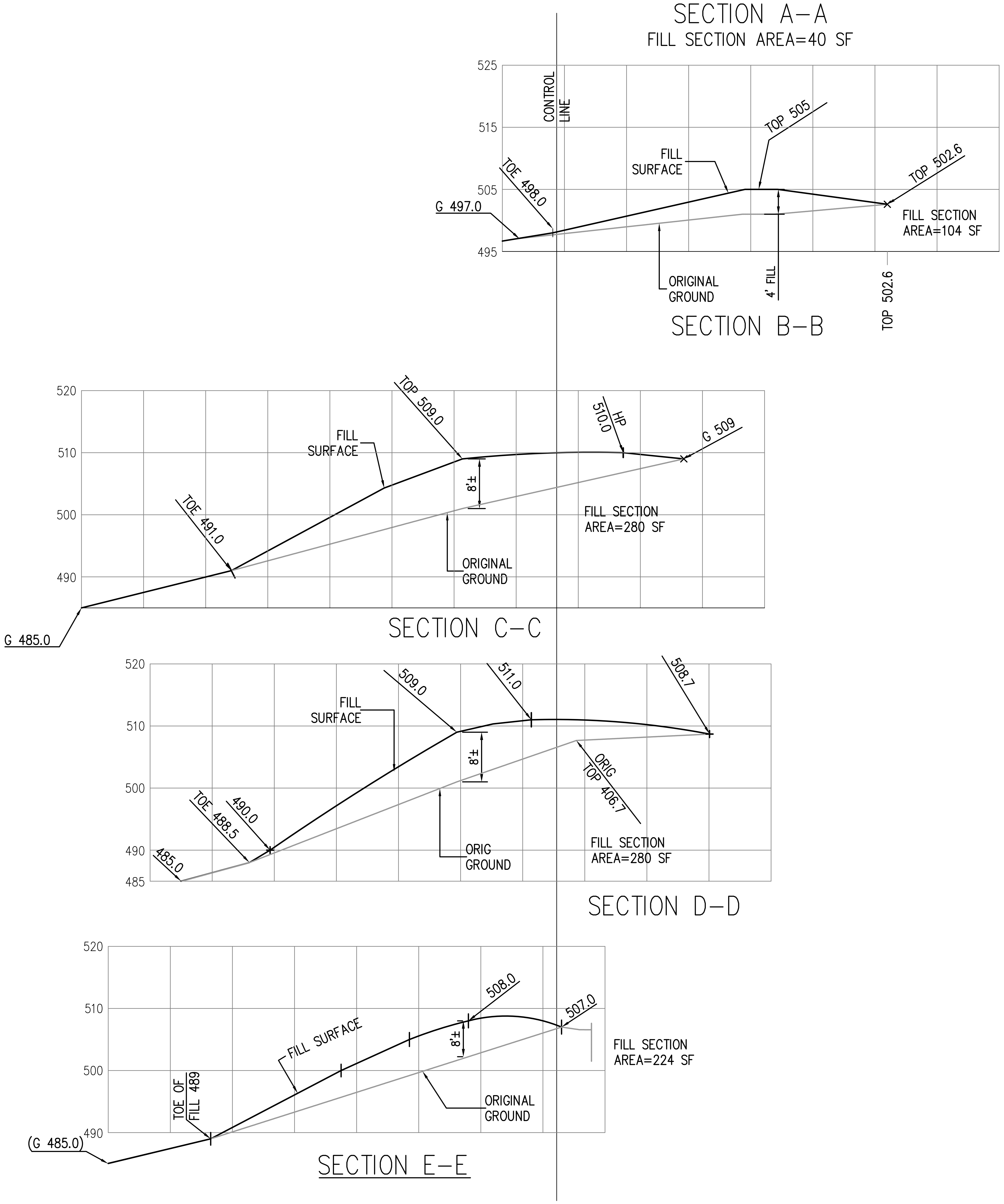
15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

	REVISIONS	BY	DATE
6			
5			
4			
3			
2			
1			

DATE:	09-22-25
SCALE:	1"=20'
DRAWN BY:	DKH
SURVEYED BY:	XXX
PROJ ENGR:	TJS
CHECK BY:	TJS

SHEET NO.
C-3
OF 7 SHEET

JOB NO.
25-216



FILL VOLUME SUMMARY

-	0	20x35=700
A	40	72x35=2520
BB	104	192x35=6720
CC	280	280x35=9800
DD	280	252x35=8,820
EE	224	162x35=3920
-	0	TOTAL 32,480 CF
		÷ 27=1202 CY

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1" = 10'

DESIGNED UNDER THE SUPERVISON OF:

TERENCE J. SZEWCZYK
NO. 35527
EXP. 9-30-25

9–17–25

TERENCE J. SZEWCZYK R.C.E. 35527
EXPIRATION DATE: 09/30/25

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110
TS CIVIL ENGINEERING
PH: 408.452.9300
FAX: 408.837.7550

GRADING CROSS SECTION

15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

	BY	REVISIONS	DATE
6			
5			
4			
3			
2			
1			

DATE:	09-22-25
SCALE:	1"=10'
DRAWN BY:	DKH
SURVEYED BY:	XXX
PROJ ENGR:	TJS
CHECK BY:	TJS

SHEET NO.
C-4
OF 7 SHEET

JOB NO.
25-216

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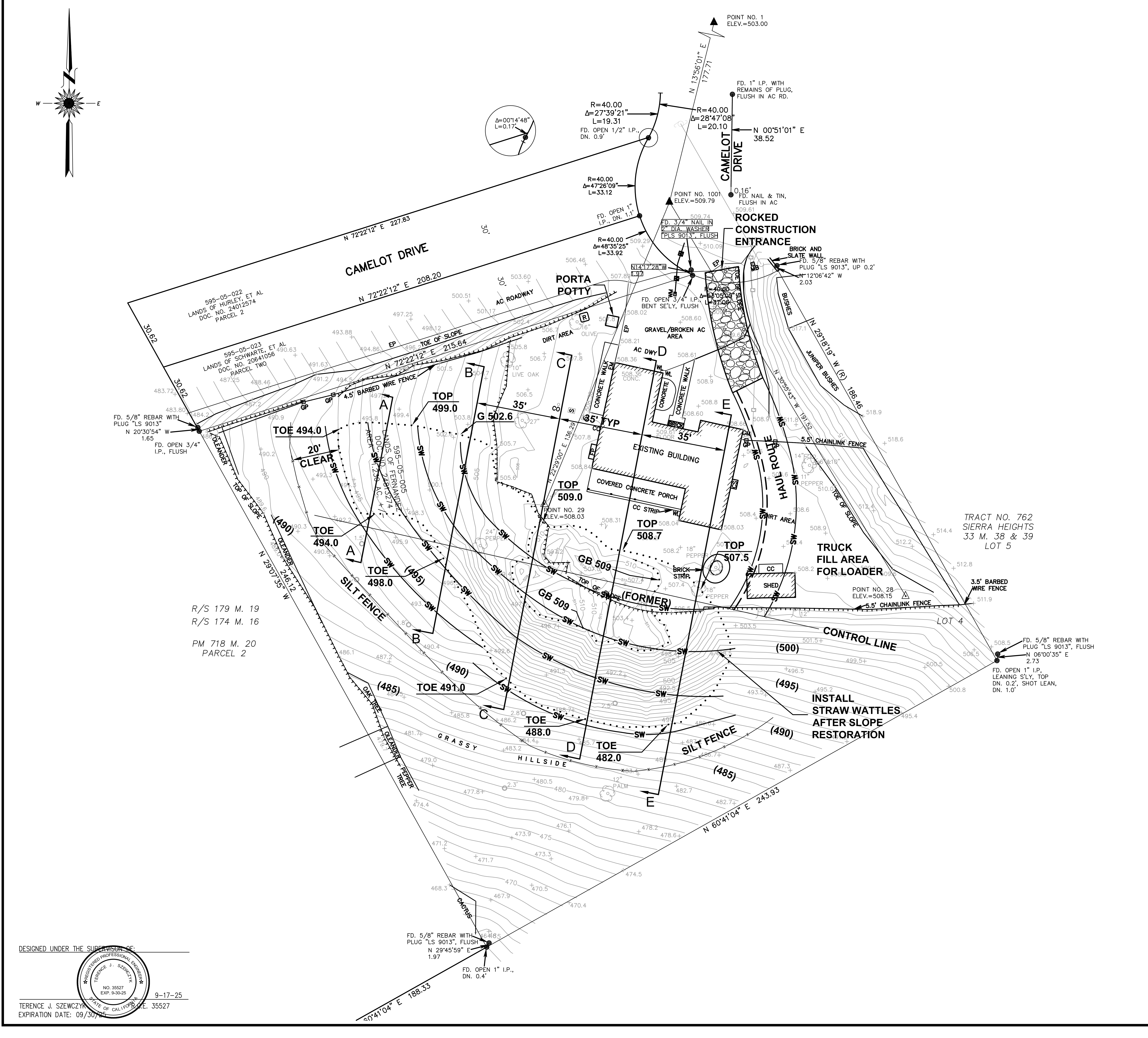


DESIGNED UNDER THE SUPERVISON OF:

NO. 35527
EXP. 9-30-25

9-17-25

TERENCE J. SZEWCZYK R.C.E. 35527
EXPIRATION DATE: 09/30/25

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE		
ADJACENT PROPERTY LINE		
STREET CENTER LINE		
BUILDING SETBACK LINES		
EASEMENT		
DIRT ROAD		
ROAD/PAVEMENT		
CURB		
CURB AND GUTTER		
CONCRETE		
CONTOUR MAJOR	530	530
CONTOUR MINOR	534	534
DAYLIGHT LINE		
BLOCK RETAINING WALL		
ROCK RETAINING WALL		
DRIVEWAY		
BUILDING		
AC BERM		
TOP OF BANK	TOP	TOP
TOE OF BANK	TOE	TOE
CREEK FLOWLINE		
WIRE FENCE		
CHAIN LINK FENCE		
WOOD FENCE		
SANITARY SEWER LINE	SS	SS
PERFORATED SEPTIC LINE		
ELECTRIC LINE	E	E
GAS LINE	G	G
STORM DRAIN LINE		
WATER LINE	W	W
OVERHEAD WIRE	OH	OH
DOWNSPOUT W/ SPLASHBLOCK		
OVERLAND RELEASE		
LIMIT OF WORK		

LEGEND

	ROCKED CONSTRUCTION ENTRANCE
SW	STAW WATTLES
PORT -O- POTTY	PORT-O-POTTY
	INLET PROTECTION

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110

CIVIL ENGINEERING

PH: 408.452.9300
FAX: 408.837.7550

SITE LOGISTICS & EROSION CONTROL PLAN
15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		
BY		

DATE:	09-22-25
SCALE:	1"=20'
DRAWN BY:	DKH
SURVEYED BY:	XXX
PROJ ENGR:	TJS
CHECK BY:	TJS

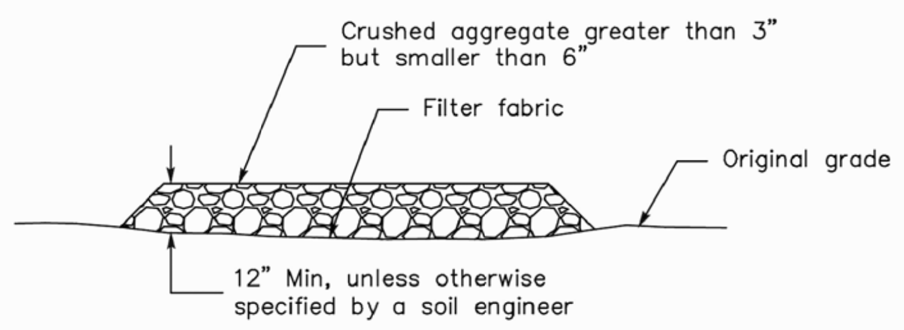
SHEET NO.
C-5
OF 7 SHEET

JOB NO.
25-216

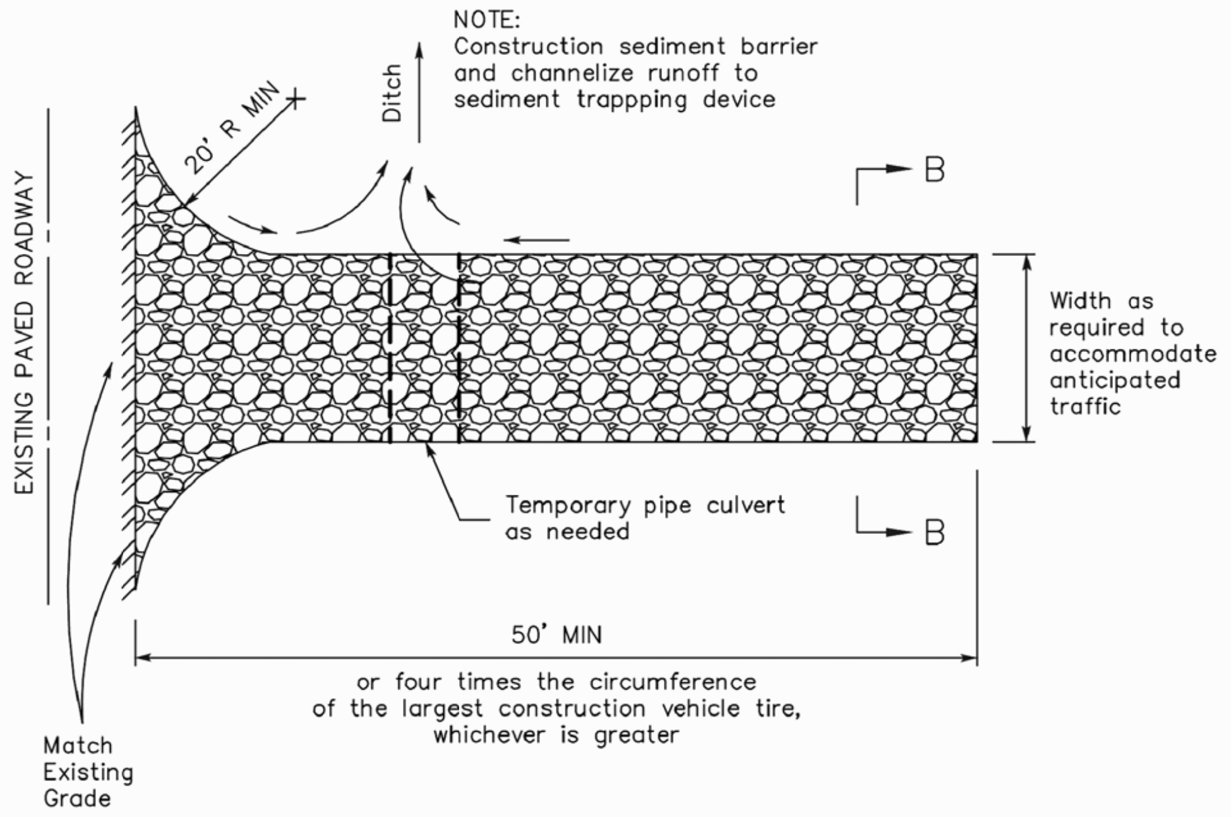
09/23/2025 6:07pm – Z:\2. Email Projects\EM09192025__02 (TJS – NEED THIS SATURDAY – 1)\S_Final\25-216 C-5 SITE LOGISTICS & EROSION PLAN_F.dwg – C5

3 Stabilized Construction Entrance/Exit

CASQA Detail TC–1

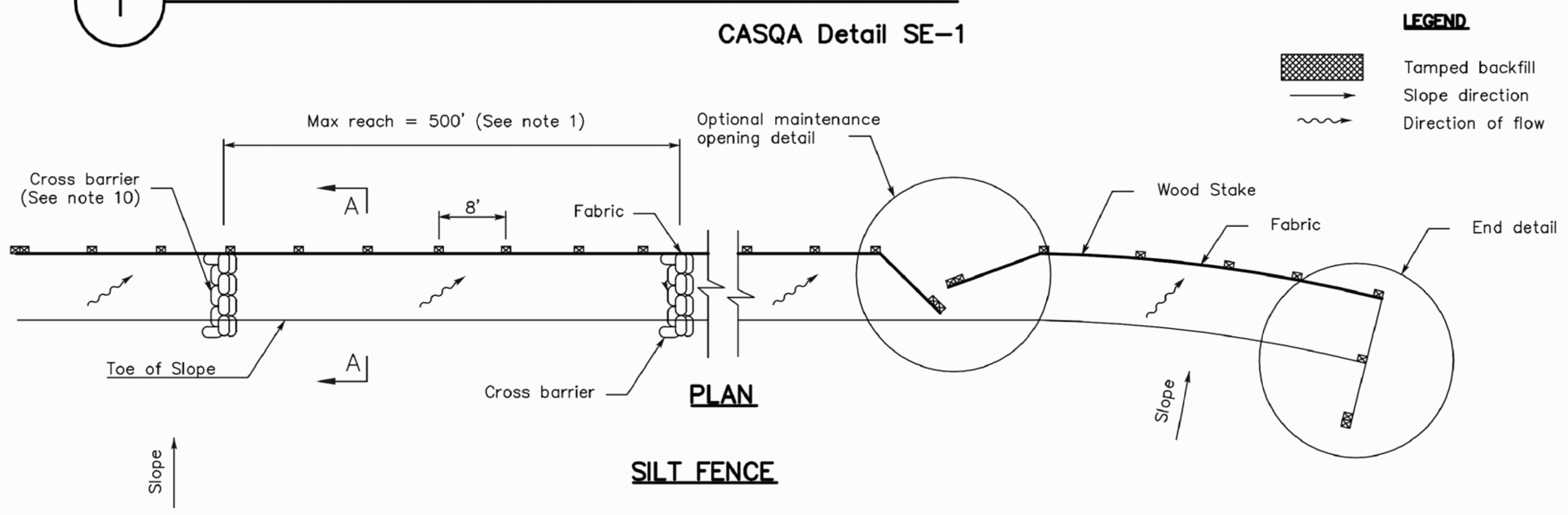


SECTION B–B
NTS



1 Silt Fence

CASQA Detail SE–1

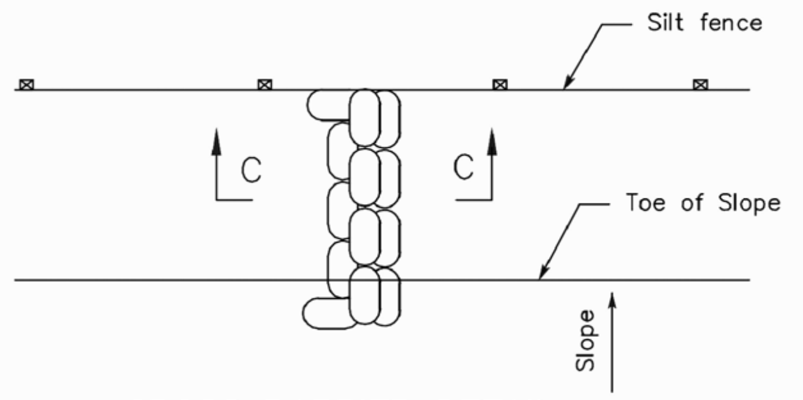


PLAN

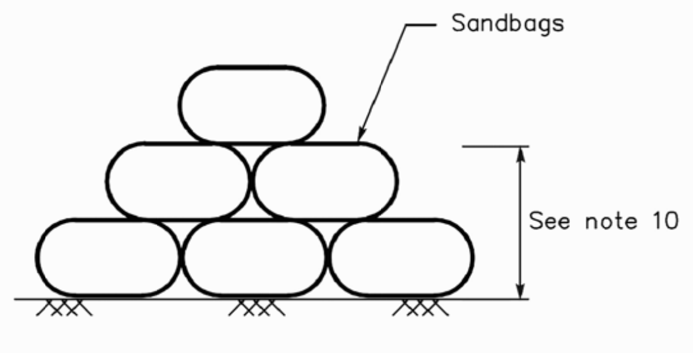
SILT FENCE

NOTES:

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



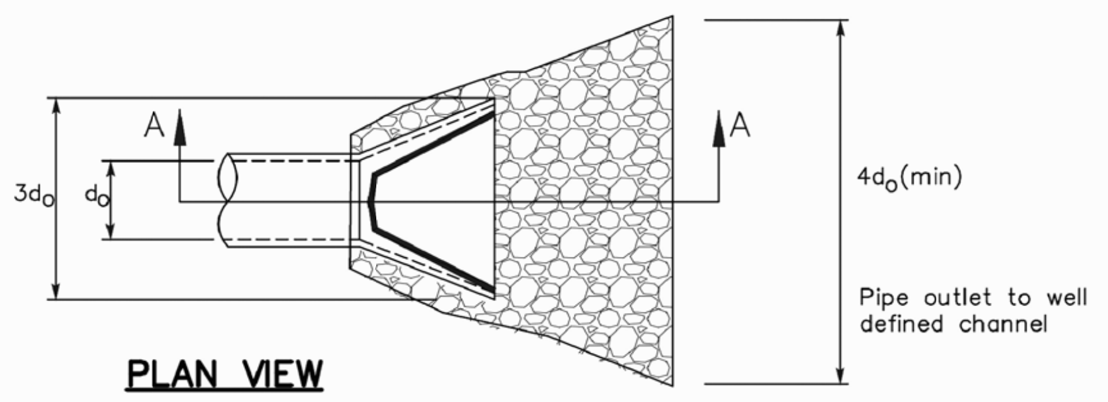
CROSS BARRIER DETAIL



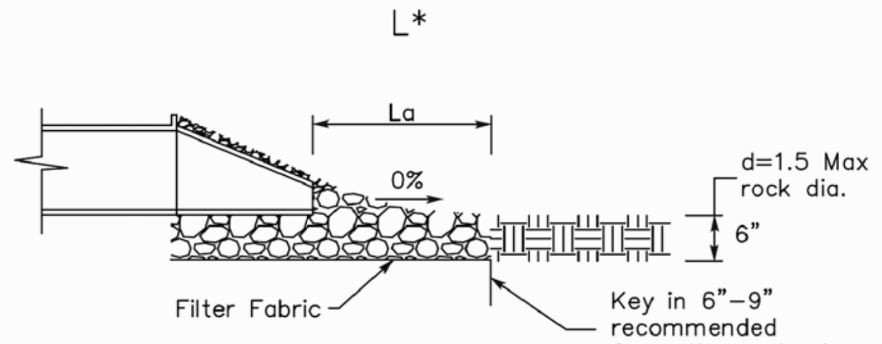
SECTION C–C

4 Velocity Dissipation Devices

CASQA Detail EC–10



PLAN VIEW

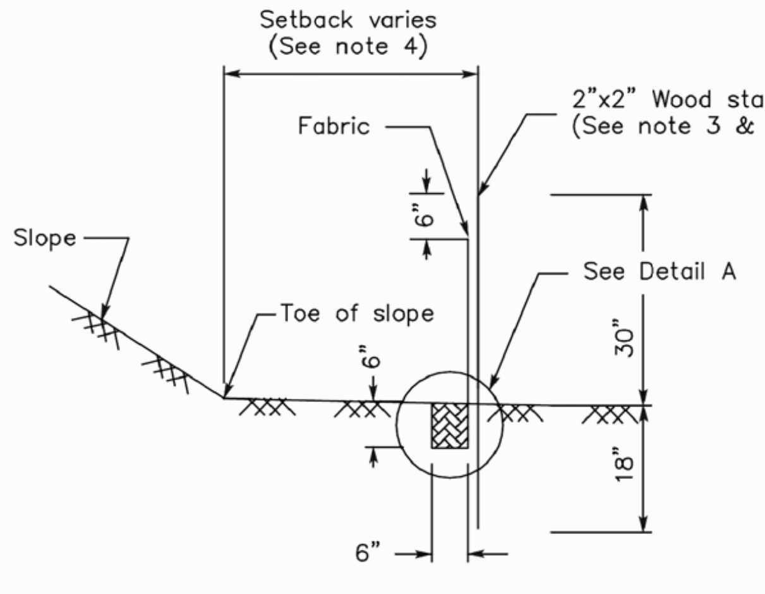


SECTION A–A

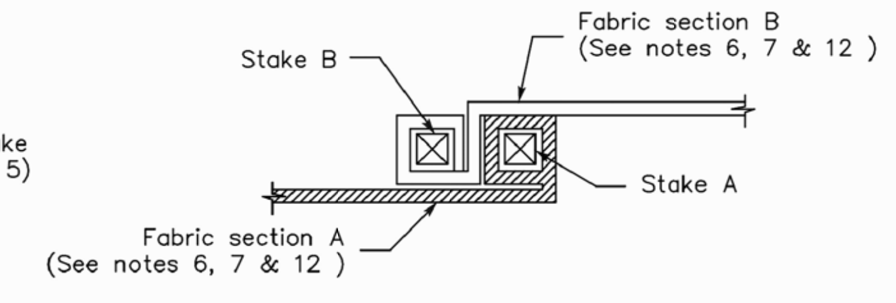
* Length per ABAG Design Standards

2 Silt Fence

CASQA Detail SE–1



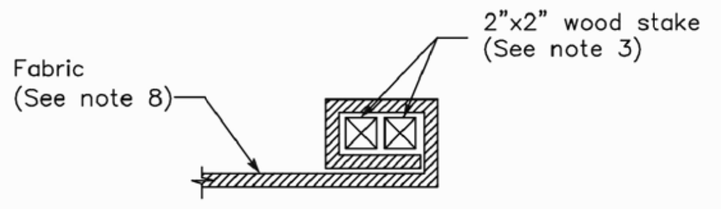
SECTION A–A



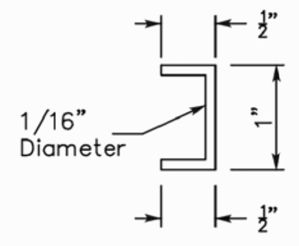
JOINING SECTION DETAIL (TOP VIEW)

LEGEND

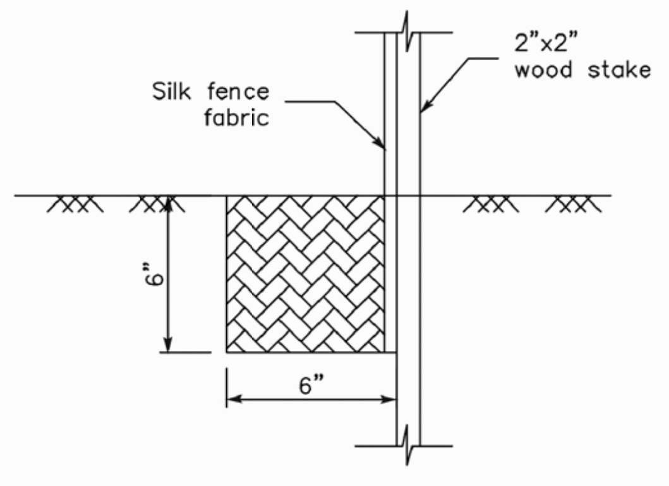
▨	Tamped backfill
→	Slope direction
〰→	Direction of flow



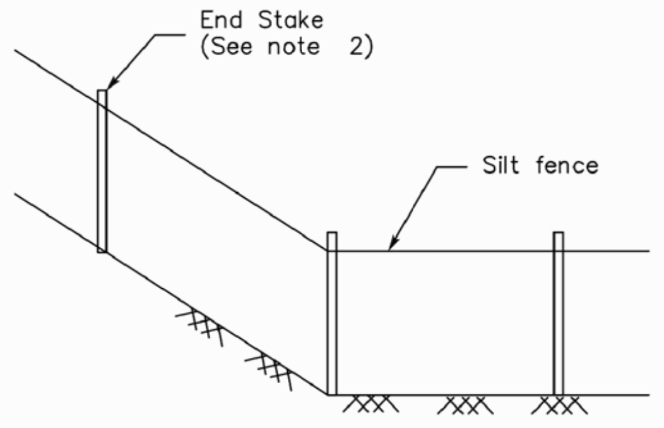
END STAKE DETAIL (TOP VIEW)



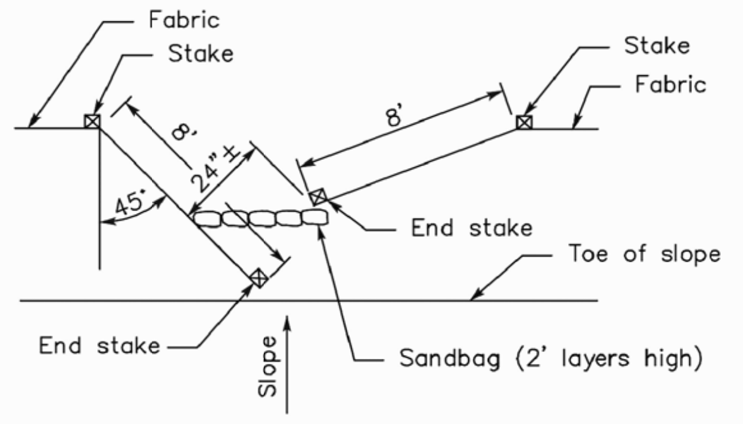
STAPLE DETAIL (SEE NOTE 9)



DETAIL A



END DETAIL



OPTIONAL MAINTENANCE OPENING DETAIL (SEE NOTE 11)

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

STANDARD BEST MANAGEMENT PRACTICE NOTES

1. 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
2. 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.
3. Spill Prevention and Control: Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C–7 to C–8, C–13 to C–14) or latest. Vehicle and Construction Equipment Service and Storage:
4. 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.
5. Material Delivery, Handling and Storage: In general, materials Should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C–11 to C–12) or latest.
6. 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.
7. 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.
8. Contaminated Soil and Water Management: Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C–19 to C–20) or latest.
9. Sanitary/Septic Water Management: Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C–21) or latest.
10. Inspection & Maintenance: Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

1. Sediment Control Management: Tracking Prevention & Clean Up: Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B–31 to B–33) or 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 roles 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, ect.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
2. Erosion Control: During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied 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.
3. Inspection & Maintenance: Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/ or alternative control measures implemented immediately, within 24 hours of the problem being identified.
4. Project Completion: Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
5. It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
6. Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.
7. Grading work between October 15 and April 15 is at the discretion of Santa Clara County building official.
8. Exposed slope shall be protected with jute net and/or hydroseed. hydroseed shall be a homogeneously mix of slurry containing not less than 44 lbs organic mulching amendment plus fertilizer, chemical additives and soils for each 100 gallons of water.

APPROVED FOR ISSUANCE

REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERS

DESIGNED UNDER THE SUPERVISON OF:

NO. 35527
EXP. 9-30-25

9–17–25

TERENCE J. SZEWCZYK R.C.E. 35527
EXPIRATION DATE: 09/30/25

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110
CIVIL ENGINEERING
PH: 408.452.9300
FAX: 408.837.7550

BEST MANAGEMENT PRACTICES AND EROSION CONTROL DETAILS SHEET 1

15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

	REVISIONS	DATE
6		
5		
4		
3		
2		
1		
BY		

DATE:	09-22-25
SCALE:	AS NOTED
DRAWN BY:	EB
SURVEYED BY:	
PROJ ENGR:	TJS
CHECK BY:	TJS

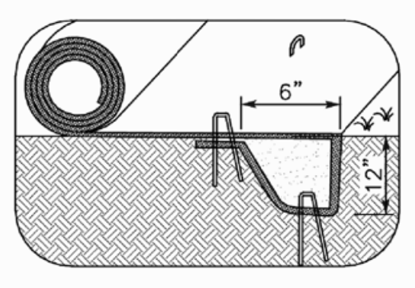
SHEET NO.
BMP1
OF 7 SHEET

JOB NO.
25-216

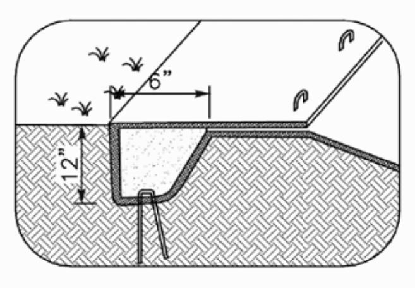
09/23/2025 5:16pm – Z:\2. Email Projects\EM09192025__02 (TJS – NEED THIS SATURDAY – 1)\S_Final\25-216 BMP–1.dwg – B1

7 Geotextiles and Mats

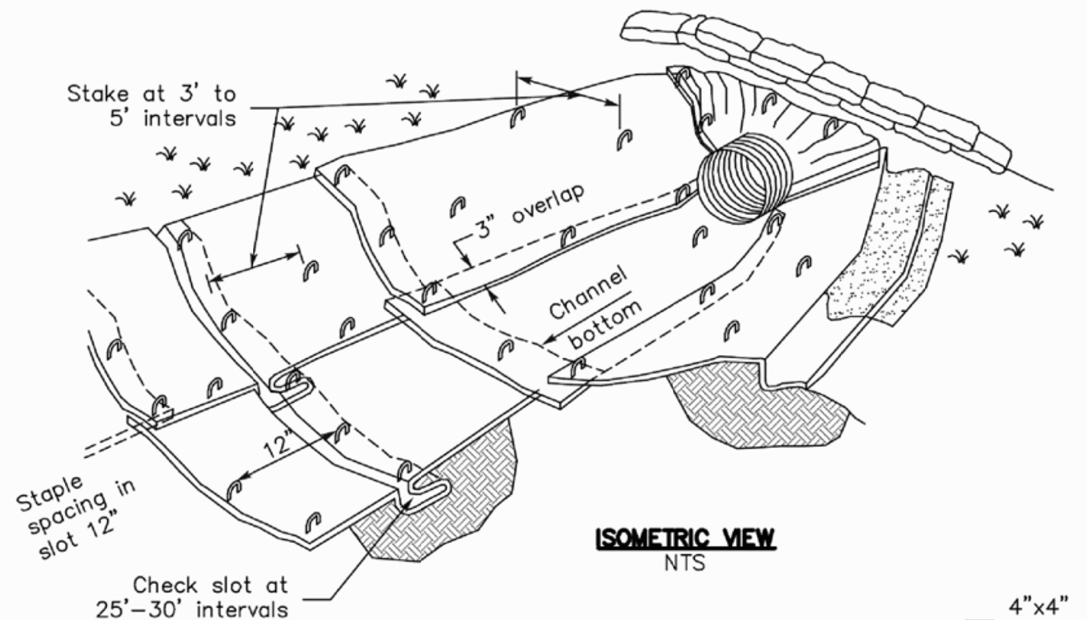
CASQA Detail EC-7



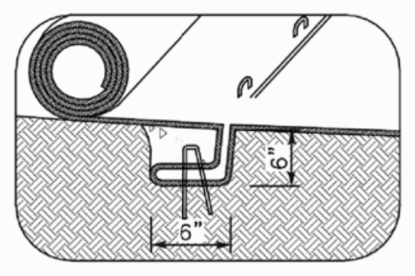
INITIAL CHANNEL ANCHOR TRENCH
NTS



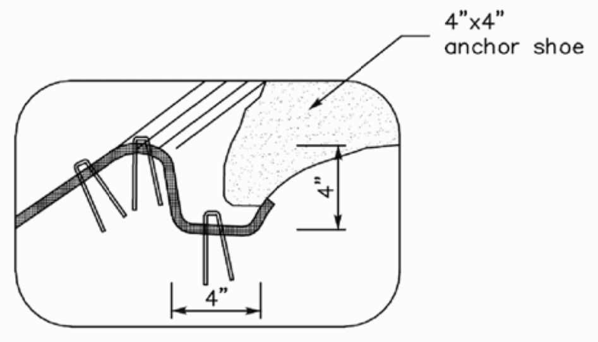
TERMINAL SLOPE AND CHANNEL ANCHOR TRENCH
NTS



ISOMETRIC VIEW
NTS



INTERMITTENT CHECK SLOT
NTS



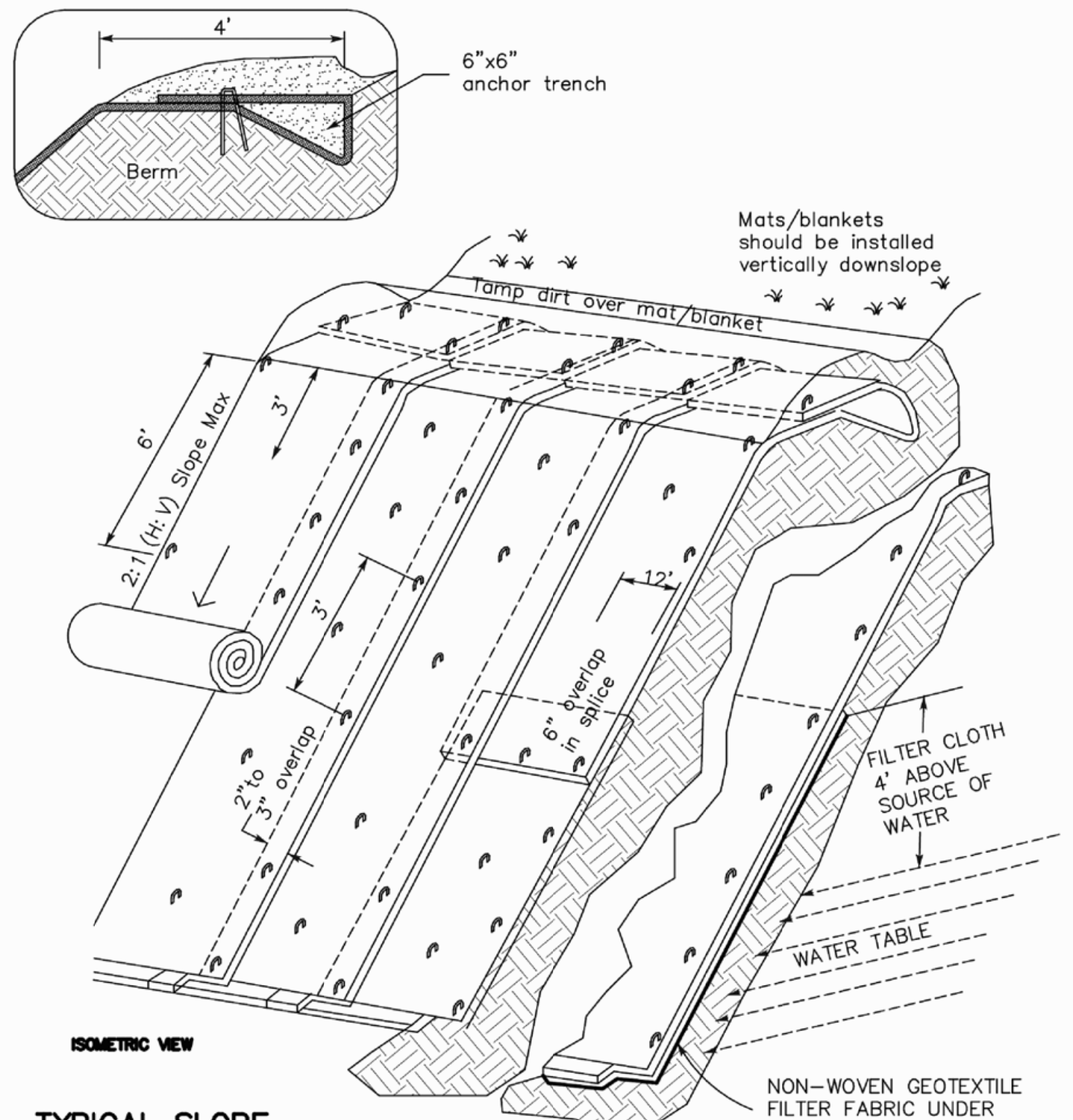
LONGITUDINAL ANCHOR TRENCH
NTS

NOTES:
1. Check slots to be constructed per manufacturers specifications.
2. Staking or stapling layout per manufacturers specifications.
3. Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

5 Geotextiles and Mats

CASQA Detail EC-7



TYPICAL SLOPE SOIL STABILIZATION
NTS

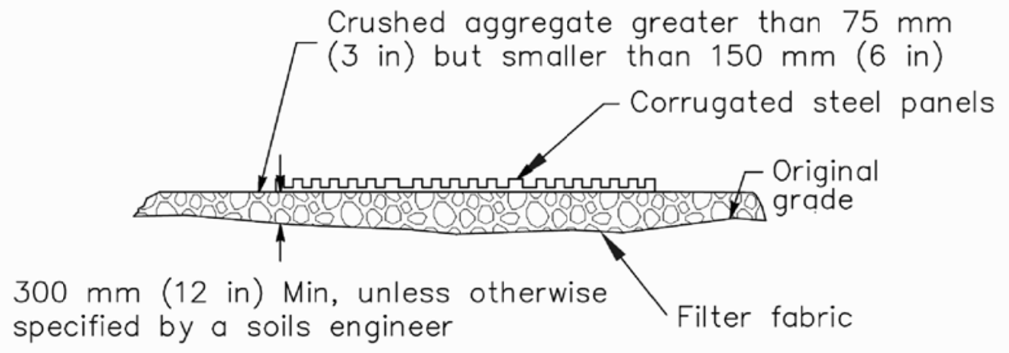
WET SLOPE LINING
NTS

NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
3. Install per manufacturer's recommendations.

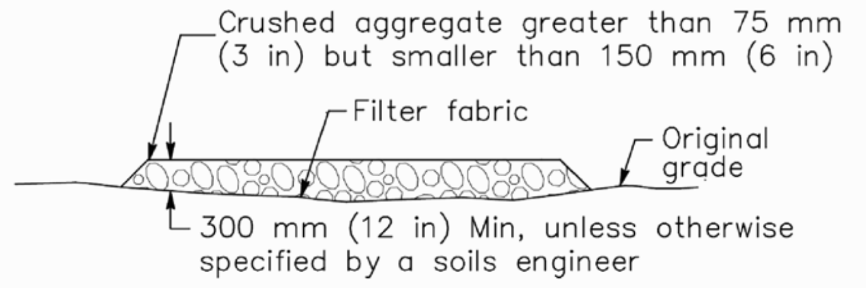
TYPICAL INSTALLATION DETAIL

3 Entrance/Outlet Tire Wash

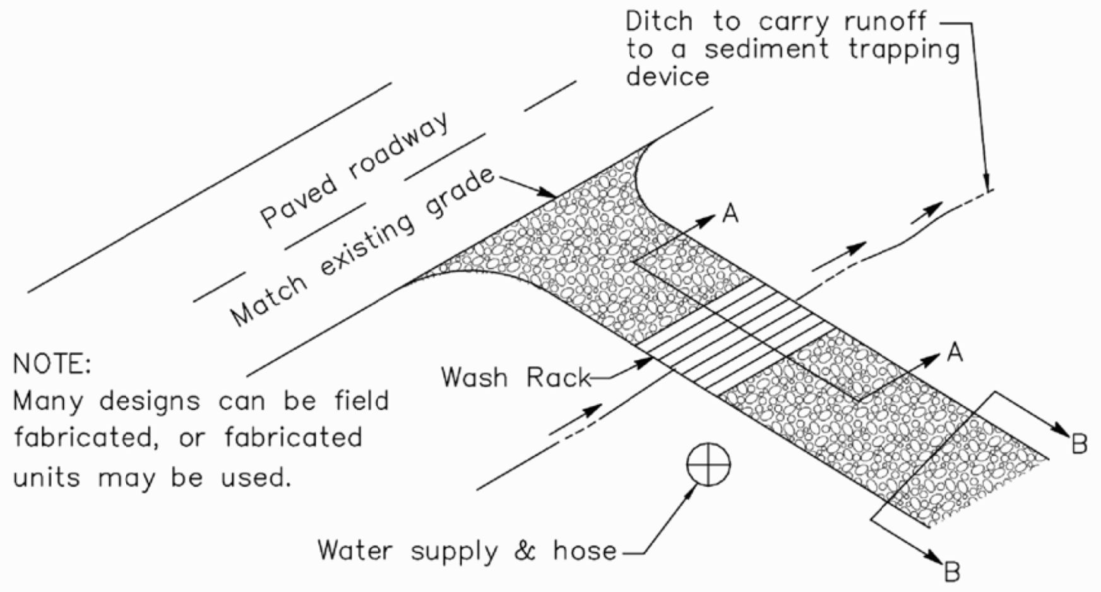
CASQA Detail TC–3



SECTION A–A
NOT TO SCALE



SECTION B–B
NOT TO SCALE

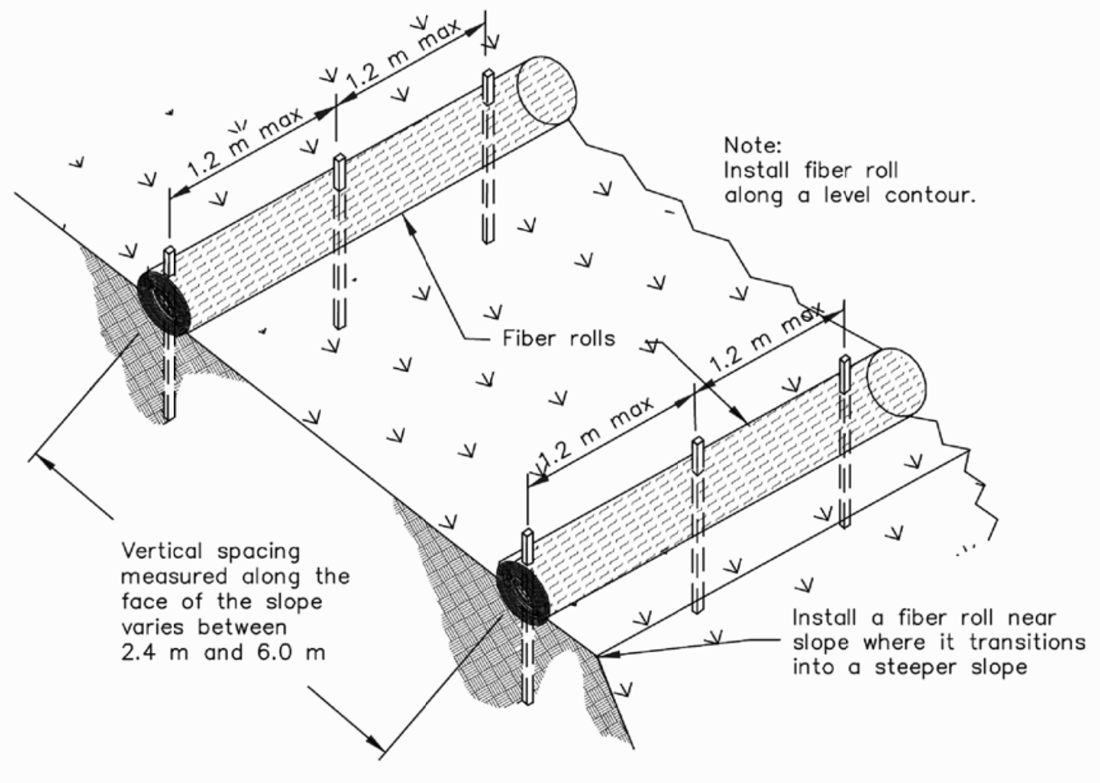


NOTE:
Many designs can be field fabricated, or fabricated units may be used.

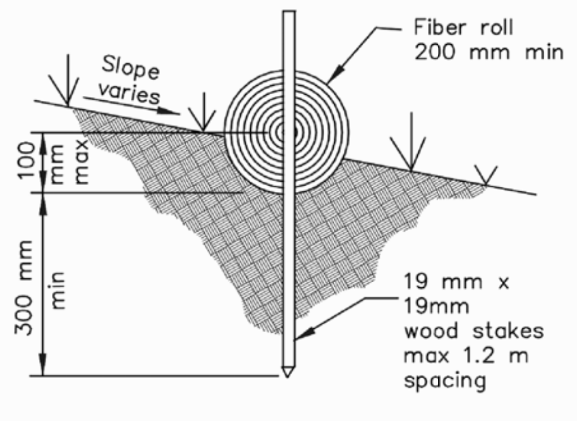
TYPICAL TIRE WASH
NOT TO SCALE

1 Fiber Rolls

CASQA Detail SE–5



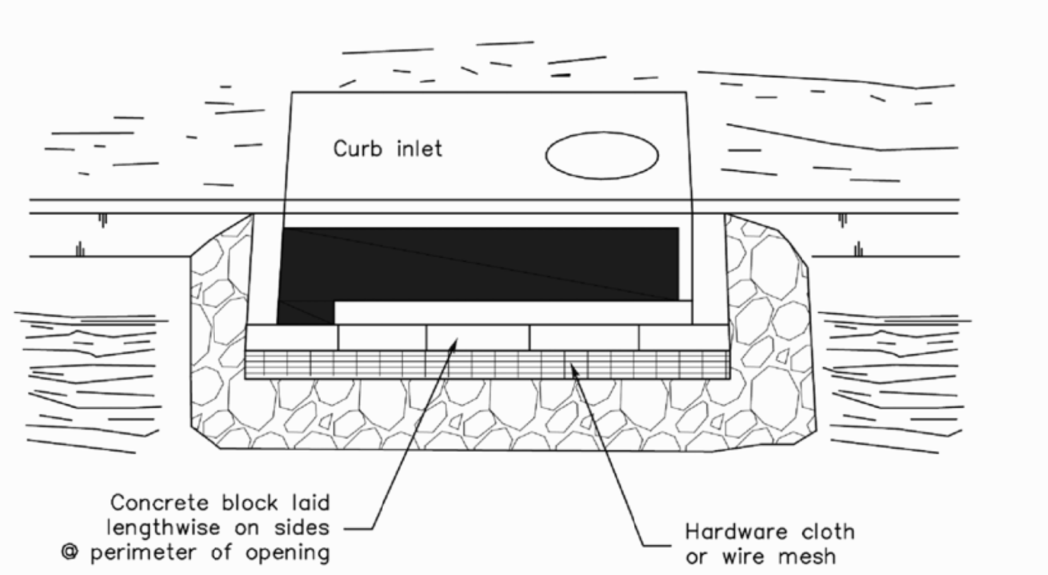
TYPICAL FIBER ROLL INSTALLATION
NOT TO SCALE

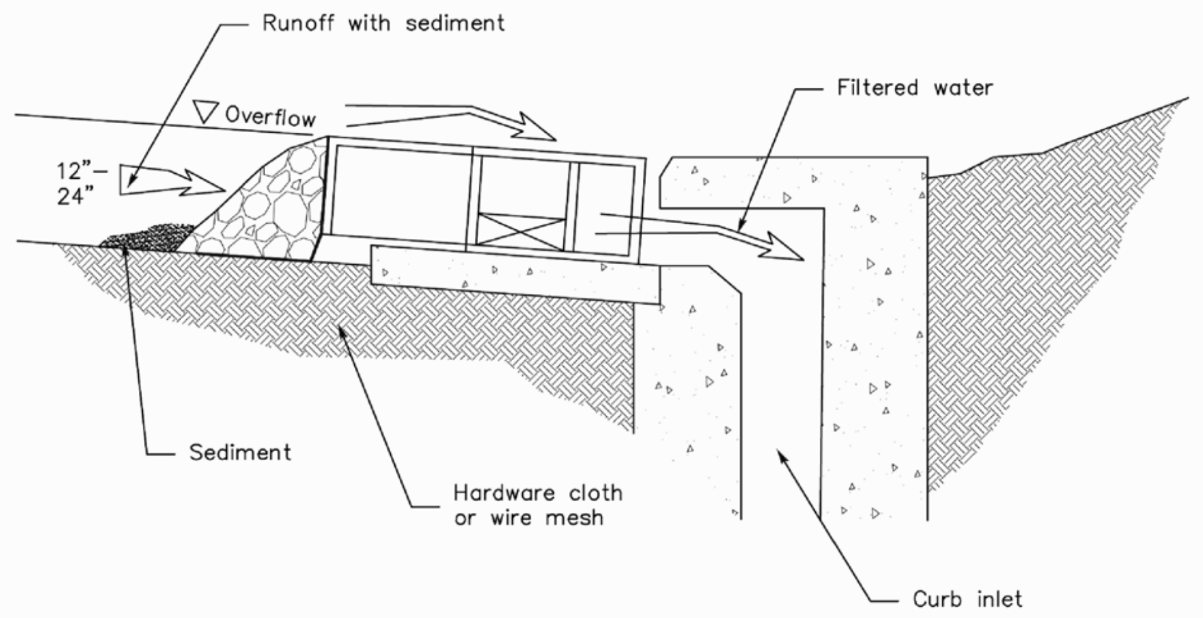


ENTRENCHMENT DETAIL
NOT TO SCALE

8 Storm Drain Inlet Protection

CASQA Detail SE–10



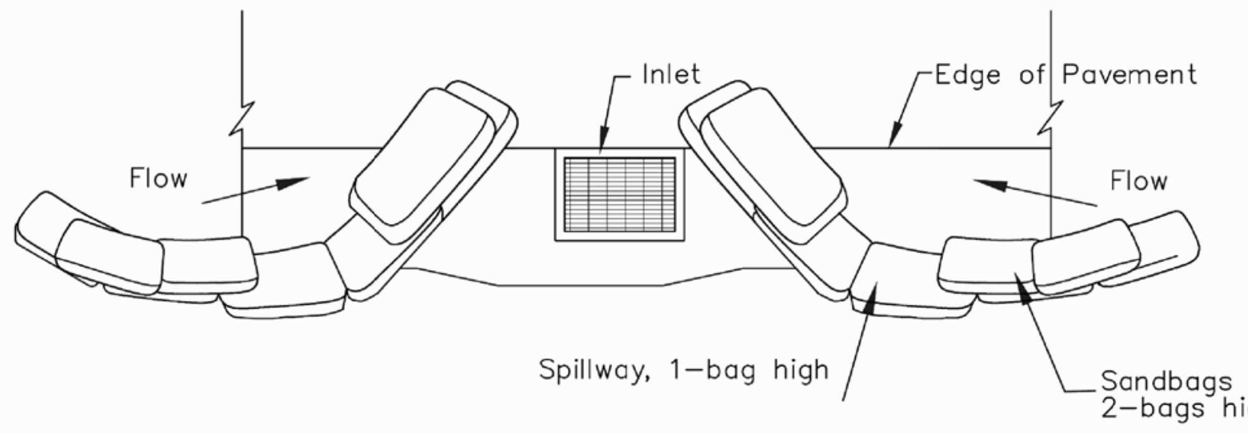


DI PROTECTION – TYPE
NOT TO SCALE

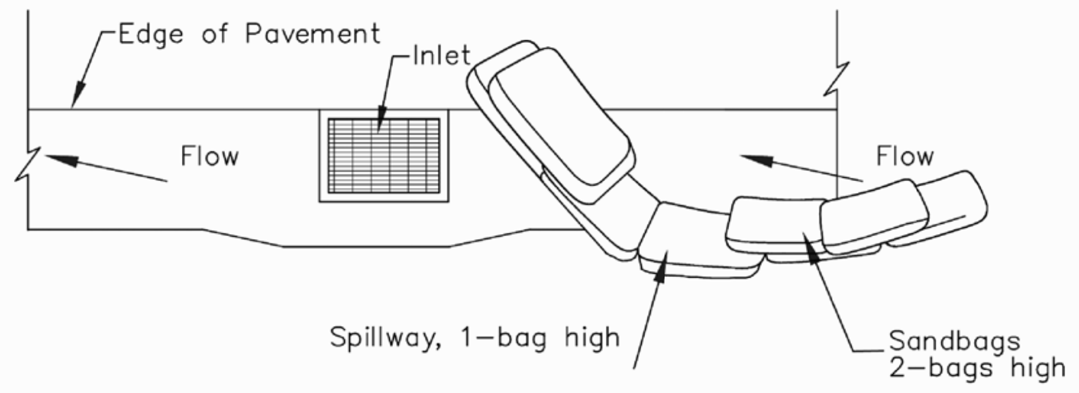
Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003.
Available from www.cabmphandbooks.com.

6 Storm Drain Inlet Protection

CASQA Detail SE–10



TYPICAL PROTECTION FOR INLET ON SUMP

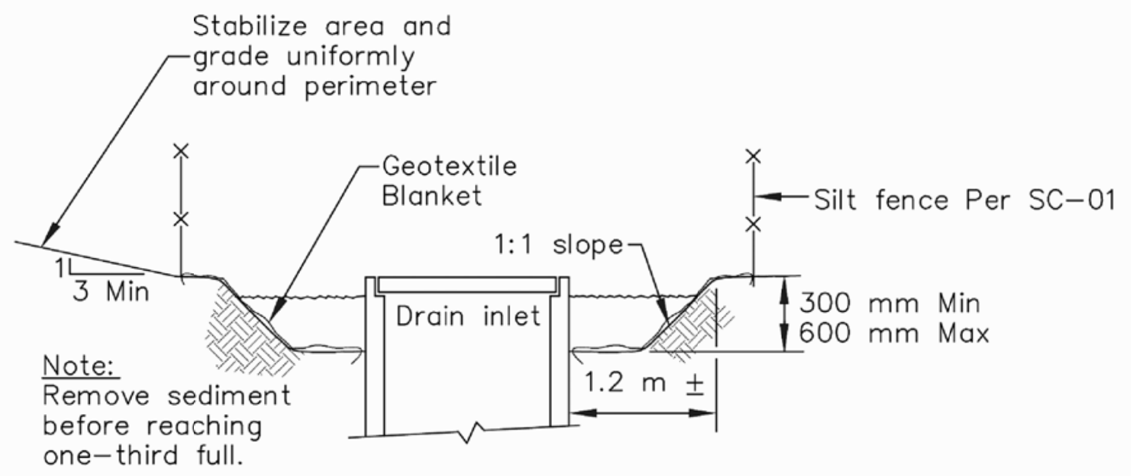


TYPICAL PROTECTION FOR INLET ON GRADE

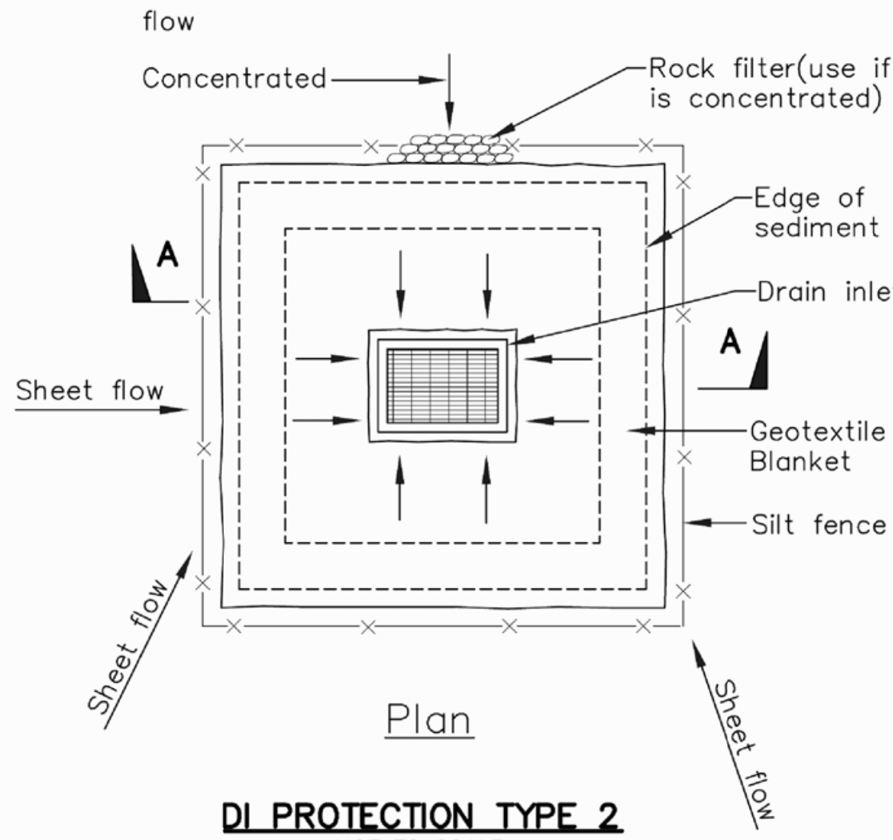
NOTES:
1. Intended for short–term use.
2. Use to inhibit non–storm water flow.
3. Allow for proper maintenance and cleanup.
4. Bags must be removed after adjacent operation is completed
5. Not applicable in areas with high silts and clays without filter fabric.

4 Storm Drain Inlet Protection

CASQA Detail SE–10



Section A–A



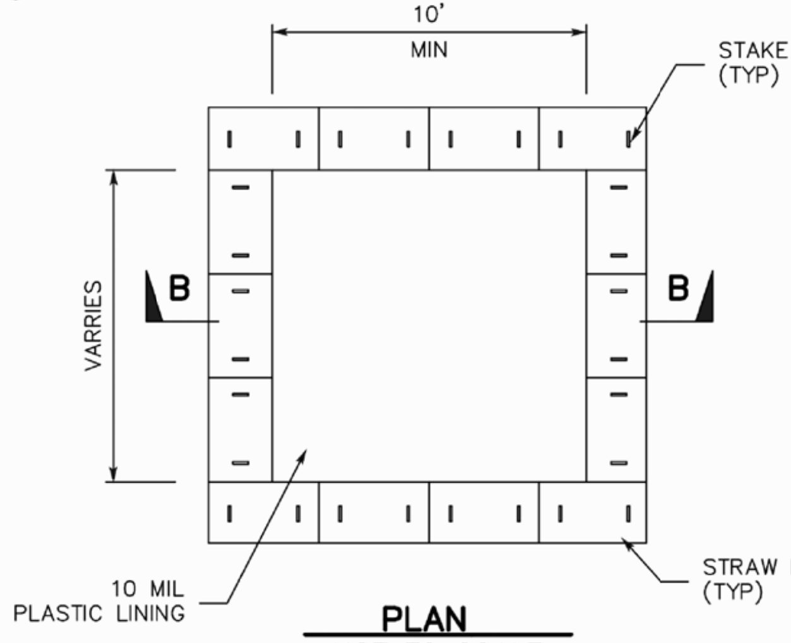
Plan

DI PROTECTION TYPE 2
NOT TO SCALE

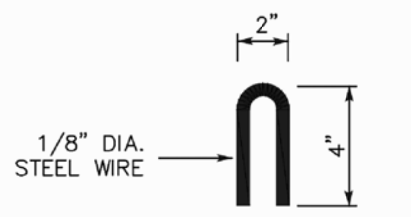
Notes
1. For use in cleared and grubbed and in graded areas.
2. Shape basin so that longest inflow area faces longest length of trap.
3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.

2 Concrete Waste Management

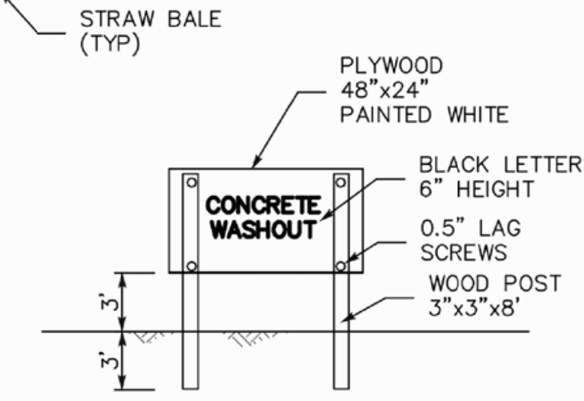
CASQA Detail WM–8



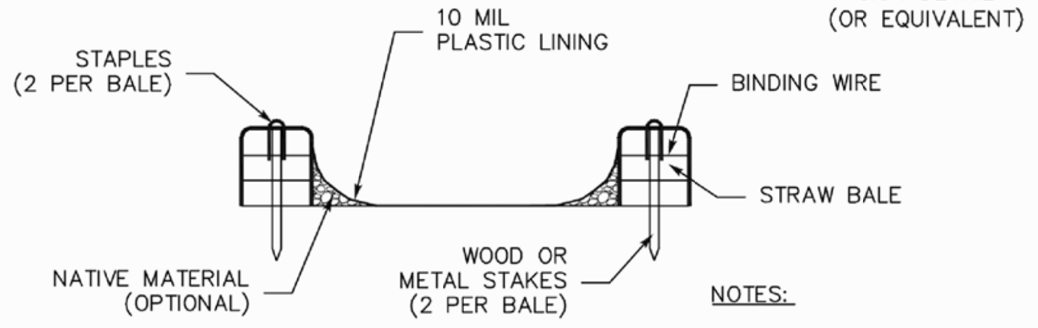
PLAN
NOT TO SCALE
TYPE "ABOVE GRADE" WITH STRAW BALES



STAPLE DETAIL



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)



SECTION B–B
NOT TO SCALE

NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

APPROVED FOR ISSUANCE

REFER TO ENCROACHMENT AND/OR CONSTRUCTION PERMIT AND PLAN COVER SHEET FOR SPECIAL CONDITIONS AND PERMIT NUMBERS

DESIGNED UNDER THE SUPERVISON OF:

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9–17–25
TERENCE J. SZEWCZYK R.C.E. 35527
EXPIRATION DATE: 09/30/25

TS/CIVIL ENGINEERING, INC.
1776 TECHNOLOGY DRIVE
SAN JOSE, CA 95110
PH: 408.452.9300
FAX: 408.837.7550

BEST MANAGEMENT PRACTICES AND EROSION CONTROL DETAILS SHEET 2
15201 CAMELOT DRIVE
SAN JOSE, CA 95132
APN 595-05-005

	BY	REVISIONS	DATE
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DATE:	09-22-25
SCALE:	AS NOTED
DRAWN BY:	EB
SURVEYED BY:	
PROJ ENGR:	TJS
CHECK BY:	TJS

SHEET NO.
BMP2
OF 7 SHEET

JOB NO.
25-216

09/23/2025 5:17pm – Z:\2. Email Projects\EM09192025__02 (TJS – NEED THIS SATURDAY – 1)\S_Final\25-216 BMP-2.dwg – B2