# COUNTY OF SANTA CLARA

# <u>GENERAL CONSTRUCTION SPECIFICATIONS</u>

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS AND/OR GEOTECHNICAL REPORT PREPARED BY SEE SHEET C2 FOR SOIL REPORTS INFORMATION AND DATED SEE SHEET C2. 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. 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. DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS OR OMISSIONS IN THESE PLANS. THE COUNTY SHALL BE AUTHORIZED TO REQUIRE DISCONTINUANCE OF ANY WORK AND SUCH CORRECTION AND MODIFICATION OF PLANS AS MAY BE NECESSARY TO COMPLY WITH COUNTY STANDARDS OR
- CONDITIONS OF DEVELOPMENT APPROVAL. DEVELOPER SHALL OBTAIN ENCROACHMENT PERMITS FROM THE SANTA CLARA VALLEY WATER DISTRICT AND CALIFORNIA DEPARTMENT OF TRANSPORTATION WHERE NEEDED. COPIES OF THESE PERMITS SHALL BE KEPT AT THE JOB SITE FOR REVIEW BY THE COUNTY'S INSPECTOR.
- DEVELOPER SHALL REMOVE OR TRIM ALL TREES TO PROVIDE AN UNOBSTRUCTED FIFTEEN (15) FOOT VERTICAL CLEARANCE FOR ROADWAY AREA. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND THAT ARE SHOWN TO BE REMOVED UNLESS AN AMENDED PLAN IS APPROVED OR A SEPARATE TREE REMOVAL PERMIT IS OBTAINED FROM THE PLANNING OFFICE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT REMOVAL OF ADDITIONAL TREES HAS BEEN PERMITTED
- DEVELOPER SHALL PROVIDE ADEQUATE DUST CONTROL AS REQUIRED BY THE ALL PERSONS MUST COMPLY WITH SECTION 4442 OF THE PUBLIC RESOURCES CODE AND SECTION 13005 OF THE HEALTH AND SAFETY CODE RELATING TO
- THE USE OF SPARK ARRESTERS. UPON DISCOVERING OR UNEARTHING ANY BURIAL SITE AS EVIDENCED BY HUMAN SKELETAL REMAINS OR ARTIFACTS, THE PERSON MAKING SUCH DISCOVERY SHALL IMMEDIATELY NOTIFY THE COUNTY CORONER AT (4008) NO FURTHER DISTURBANCE OF THE SITE MAY BE MADE EXCEPT AS AUTHORIZED BY THE LAND DEVELOPMENT OFFICE IN ACCORD WITH PROVISIONS OF THIS ORDINANCE (COUNTY ORDINANCE CODE SECTION B6-18). THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY
- A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION. . ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE—APPROVED IN WRITING BY THE COUNTY ENGINEER PRIOR TO CONSTRUCTION.

# CONSTRUCTION STAKING

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

### CONSTRUCTION INSPECTION

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

  ACCESS ROADS AND DRIVEWAYS 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)

- 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 B) FROM AREAS AFFECTED BY THE PROPOSED GRADING EXCEPT WHERE NOTED ON THE PLANS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO MOVE OR RELOCATE UTILITY POLES AND OTHER OBSTRUCTIONS IN THE WAY OF CONSTRUCTION

# <u> JTILITY LOCATION. TRENCHING & BACKFILL</u>

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

# **RETAINING WALLS**

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

# **GRADING PLAN**

- 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
- 2) MOISTENING THE FILL WITH WATER IF IT IS TOO DRY, EACH LIFT SHALL BE THOROUGHLY MIXED BEFORE COMPACTION TO ENSURE A UNIFORM DISTRIBUTION EXCESS CUT MATERIAL SHALL NOT BE SPREAD OR STOCKPILED ON THE SITE.

PROPER COMPACTION BY EITHER 1) AERATING THE FILL IF IT IS TOO WET OR

- SURPLUS EARTH FILL MATERIAL SHALL BE PLACED IN A SINGLE (8" MAX) 13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE THICK LAYER COMPACTED TO WITHSTAND WEATHERING IN THE AREA(S) DELINEATED ON THE PLAN. NO ORGANIC MATERIAL SHALL BE PLACED IN ANY FILL. NO TREES SHALL BE
- REMOVED OUTSIDE OF CUT, FILL OR ROADWAY AREAS. THE UPPER 6" OF SUBGRADE BELOW DRIVEWAY ACCESS ROAD OR PARKING 14. PRIOR TO GRADING COMPLETION AND RELEASE OF THE BOND, ALL GRADED AREA SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY. MAXIMUM CUT SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL. MAXIMUM FILL

SLOPE SHALL BE 2 HORIZONTAL TO 1 VERTICAL

IMPROVEMENT	EARTHWORK QUANTITY MAX (CUBIC YARD)		MAXIMUM (FEE	(IMUM DEPTH (FEET)	
	CUT	FILL	CUT	FILL	
RESIDENCE	200	700	14.0	10.0	
ACCESSORY STRUCTURE	0	0	0	0	
POOL/HARDSCAPE	0	0	0	0	
DRIVEWAY	1,250	550	8.0	2.0	
LANDSCAPE	50	50	1.5	2.0	
TOTAL	1,500	1,300			

### NOTES: FILL VOLUMES INCLUDE 10% SHRINKAGE EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP

- NOTIFY SOILS ENGINEER TWO (2) DAYS PRIOR TO COMMENCEMENT OF ANY GRADING WORK TO COORDINATE THE WORK IN THE FIELD. 454-2520 AND LAND DEVELOPMENT ENGINEERING OFFICE AT (408) 299-5730. 8. ALL MATERIALS FOR FILL SHOULD BE APPROVED BY THE SOILS ENGINEER BEFORE IT IS BROUGHT TO THE SITE THE UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%
  - 10. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION . THE GEOTECHNICAL PLAN REVIEW LETTER MUST BE REVIEWED AND APPROVED BY THE COUNTY GEOLOGIST PRIOR TO FINAL APPROVAL BY THE COUNTY
  - 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 28,895 SF.
  - . 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.

15. WDID NO.

ENGINEER FOR BUILDING OCCUPANCY.

- FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING FOR ALL PROPOSED STORM DRAINAGE AND STORMWATER MANAGEMENT DEVELOPMENT ON SITE. THE TREES SHALL BE PROTECTED BY THE PLACEMENT RIGID TREE PROTECTIVE FENCING, CONSISTENT WITH THE COUNTY INTEGRATED LANDSCAPE GUIDELINES, AND INCLUDE THE FOLLOWING: FENCING SHOULD BE PLACED ALONG THE OUTSIDE EDGE OF THE DRIPLINE
- OF THE TREE OR GROVE OF TREES. THE FENCING SHALL BE MAINTAINED THROUGHOUT THE SITE CONSTRUCTION PERIOD AND SHALL BE INSPECTED PERIODICALLY FOR DAMAGE AND PROPER FUNCTION FENCING SHALL BE REPAIRED, AS NECESSARY, TO PROVIDE A PHYSICAL
- BARRIER FROM CONSTRUCTION ACTIVITIES. 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.
- PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, TREE PROTECTIVE FENCING SHALL BE SECURELY IN PLACED AND INSPECTED BY THE LAND DEVELOPMENT ENGINEERING INSPECTOR SEE EXISTING TREE PROTECTION DETAILS FOR MORE INFORMATION.

- DRIVEWAY LOCATIONS SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS WITH
- 2. ALL DRIVÉWAY OR COMMON ACCESS ROAD SECTIONS IN EXCESS OF 15 THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL A. LONGITUDINAL SLOPE MUST BE PAVED WITH A MINIMUM 2-INCH ASPHALT LIFT OR FULL DEPTH CONCRETE LIFT PRIOR TO ANY COMBUSTIBLE FRAMING. THE OWNER AND PRIME CONTRACTOR ARE RESPONSIBLE FOR MAINTAINING PROJECT SITE ACCESS AND NEIGHBORHOOD ACCESS FOR EMERGENCY VEHICLES DATE
- AND LOCAL RESIDENTS. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO THE PUBLIC OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS CONSTRUCTION. AND IN EFFECT AT SUCH TIME THAT THE ROADWAYS ARE CONSIDERED FOR ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM.
- ALL WORK IN THE COUNTY ROAD RIGHT-OF-WAY REQUIRES AN 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

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

APPLICANT : BANSAL

PORTLAND CEMENT CONCRETE

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

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.

# <u>AIR QUALITY, LANDSCAPING AND EROSION CONTROL</u>

- 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. 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.
- AREAS AND STAGING AREAS AT CONSTRUCTION SITES. THE USE OF DRY POWDER SWEEPING IS PROHIBITED. 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 11. ALL NEW UTILITIES TO BE PLACED UNDERGROUND. PROPER OPERATION OF THE VEHICLE.

- IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE SCOPE OF WORK RUNNING IN PROPER CONDITION PRIOR TO OPERATION. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE NEAR THE ENTRANCE OF CONSTRUCTION SITE THAT IDENTIFIES THE FOLLOWING REQUIREMENTS. OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM ROADS DEPARTMENT OR OTHER APPLICABLE AGENCY IF REQUIRED. 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. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH AND FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING. 1. 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 12. ALL DITCHES SHALL BE LINED PER COUNTY STANDARD SD8.
- 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. 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 BLDG 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. 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.

- 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.
- 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 WHERE CULVERTS ARE INSTALLED THE DEVELOPER SHALL BE RESPONSIBLE
- OPEN AREA FOR SHEET FLOW. 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.

CENTERLINE STATIONING. THE MINIMUM CONCRETE THICKNESS SHALL BE 6 THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (\_\_\_ WERE) (\_\_\_ WERE INCHES THROUGHOUT (WITH A MAXIMUM APPROACH SLOPE OF 1 1/4 INCHES NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (^). THERE (\_\_\_WERE) WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY

THE PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY

# SEOTECHNICAL ENGINEER OBSERVATION

ENCROACHMENT PERMIT FROM THE ROADS AND AIRPORTS DEPARTMENT. EACH 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE AND RELEASE OF THE BOND.

COMPACTION.

- 1. INSPECTION ON DRIVEWAY & HOUSE PAD BY COUNTY SURVEYOR, GRADING PERMIT
- TO BE REMOVED. ANY OTHER SUCH TREES ARE NOT TO BE REMOVED UNLESS AN AMINDED PLAN IS APPROVED OR A SEPERATE 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. NOTIFY THE SOILS ENGINEER TWO (2) DAYS BEFORE STARTING
- 3. THE GRADING WORK TO COORDINATE THE WORK IN THE FIELD WITH THE CONTRACTOR.
- 4. GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTRY GRADING POTENTIAL FOR EROSION ON THE SUBJECT SITE.
- THE DRIVEWAY IS DESIGNED TO SUPPORT A 65,000 LB LOAD.
- 6. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPES SHALL BE SLOPED AT 2% MINIMUM AND SHALL HAVE 2' MINIMUM OF COVER.
- 8. UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%.
- CONTRACTOR SHALL PROVIDE DOCUMENTS FROM PIPE MANUFACTURERS VERIFYING THAT 7. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MILES THE PIPES ARE DESIGNED FOR 40000 LBS LOAD.

# GRADING PERMIT AND ARE SHOWN FOR REFERENCE ONLY.

DRIVEWAY APPROACH.

PAVFMFNT

RFMOVF

STATION

SIDEWALK

TOP OF BANK

TOP OF CURR

**TEMPORARY** 

TOF OF BANK

TOP OF GRATE

TOP OF WALL

WATER METER

WATER VALVE

VALLEY GUTTER

TYPICAL

WALKWAY

WATER

TRENCH DRAIN

ROCK RIPRAP

RETAINING WALL

RIGHT OF WAY

WATER DISTRICT

SLOPE EASEMENT

STORM DRAIN EASEMENT

SANITARY SEWER/LATERAL

STANDARD CITY DETAIL

T ENERGY DISSIPATOR

TREE PROTECTION FENCE

COUNTY LOCATION MAP

VICINITY MAP

STORM DRAIN

POLYVINYL CHLORIDE

8. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED 13. WATER AND SANITARY UTILITIES SHOWN ON THESE PLANS ARE NOT PART OF THIS

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. ON SITE - GRADE SITE FOR CONSTRUCTION OF DRIVEWAY AND HOUSE PAD,

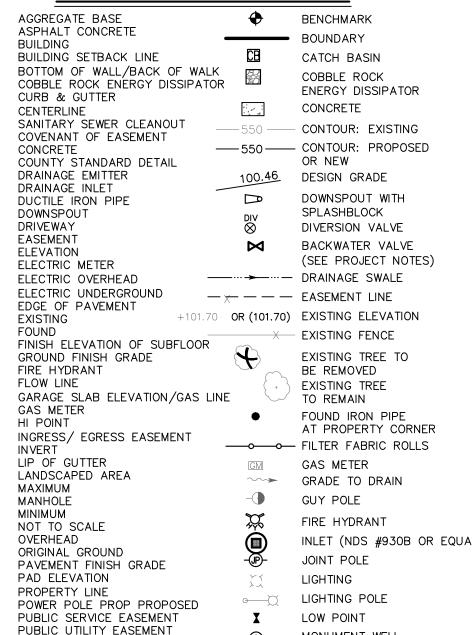
INSTALL STORM DRAIN SYSTEM, EROSION AND SEDIMENT CONTROL AND SEED ALL DISTURBED AREAS. PRIOR TO RELEASE OF BOND, SUBMIT A CERTIFICATION LETTER BY THE SOIL ENGINEER AND THE GEOLOGIST TO CERTIFY THAT THE WORK IS IN CONFORMANCE WITH ALL THE RECOMMENDATIONS IN THE GEOLOGICAL/GEOTECHNICAL REPORT AND FIELD SUPERVISION, FOR APPROVAL

BY LDE'S OFFICE. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND CERTIFIED ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGICAL REPORTS SHALL BE SUBMITTED PRIOR TO GRADING COMPLETION AND RELEASE OF BOND.

# **LEGEND & ABBREVIATIONS**

OFF SITE - WIDEN PRIVATE ACCESS ROAD FROM THE INTERSECTION OF

CLAYTON ROAD TO APPROXIMATELY 100 FEET WESTERLY OF PROPOSED



MONUMENT WELL

OVERLAND FLOW

DIRECTION

PROJECT SITE

SANITARY SEWER

CLEAN OUT MANHOLE

STORM DRAIN MANHOLE

SANITARY SEWER MANHOLE

PGE BOX

TEST PIT

TOP OF FILL

TOE OF FILL

TOE OF CUT

TREE NUMBER

WATER METER

WATER VALVE

ISSUED BY: \_\_\_

ENCROACHMENT PERMIT NO.

TREE PROTECTION FENCE

UTILITY: EXISTING

TOP OF CUT

----W--- UTILITY: PROPOSED

**(W)** 

RETAINING WALL

--- RIGHT OF WAY

- DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES
- S.C.V.W.D SANTA CLARA VALLEY FOR GRADING THE OUTLET DITCH TO DRAIN TO AN EXISTING SWALE OR TO AN UPON INSTALLATION OF DRIVEWAY CONNECTIONS, PROPERTY OWNERS SHALL

# AS-BUILT PLANS STATEMENT

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

- 2. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE THE GROUND WHICH ARE SHOWN
- PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL
- ORDINANCE TO MINIMIZE THE VISUAL IMPACTS OF THE GRADED SLOPES AND REDUCE THE
- 7. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A
- SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC SYSTEM CONSTRUCTION.
- SWEEP DAILY (WITH WATER SWEEPERS) ALL PAVED ACCESS ROADS, PARKING 9. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE
- SWEEP STREETS DAILY (WITH WATER SWEEPERS) IF VISIBLE SOIL MATERIAL IS 10. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THIS PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO 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

# S85°00'49"W HOUSE APN 612-37-017 APN 612-37-016 5 LOT AREA - 43,560 SF 125 P5 N85°00'49"E N85°00'49" (BASIS OF BEARINGS) SITE PLAN

# ◆ BENCHMARK

MAG NAIL ELEV=100.00' (ASSUMED) N -829114.2916 E -3892555.7838

# BASIS OF BEARINGS

THE BEARING N 85° 00' 49" E OF THE CENTERLINE OF CLAYTON ROAD AS SHOWN ON THE PARCEL MAP BOOK 644 OF MAPS AT PAGE 24 IN THE OFFICE OF THE INLET (NDS #930B OR EQUAL) COUNTY RECORDER OF THE COUNTY OF SANTA CLARA, STATE OF CALIFORNIA WAS TAKEN AS THE BASIS OF BEARINGS SHOWN ON THIS MAP.

# BENCHMARK

GINNIE NO. 1 APPROXIMATELY 2 FEET FROM THE SOUTH EDGE OF CLAYTON ROAD NEAR THE WESTERLY PROPERTY LINE OF PARCEL. ELEVATION = 100.00'

COUNTY OF SANTA CLARA DEPT. OF ROADS AND AIRPORT

NO WORK SHALL BE DONE IN THE COUNTY'S RIGHT-OF-WAY

STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT

WITHUOT AN ENCROACHEMENT PERMIT, INCLUDING THE

EARTHWORK QUANTITIES AS SHOWN ON THE PLAN IS FOR INFORMATION ONLY. CONTRACTOR TO CALCULATE HIS/HER OWN EARTHWORK QUANTITIES FOR BIDDING PURPOSE.

# 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.

# SHEET INDEX

TITLE	SHT N
TITLE SHEET	C1
OVERALL SITE PLAN	C2
GRADING AND DRAINAGE PLAN	С3
GRADING AND DRAINAGE PLAN	C4
ACCESS ROAD	C5
CONTROL LINE PROFILE AND SECTIONS	C6
EROSION CONTROL PLAN	C7
EROSION CONTROL DETAILS	C8
EROSION CONTROL DETAILS	C9

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

OF PORTABLE TOILETS. ENGINEER'S STATEMENT I HEREBY STATE THAT THESE PLANS TO COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE APPROVED TENTATIVE MAP (OR PLANDEND CONDITIONS OF APPROVAL PERTAINING THERETO DATED FILE(S) NO. 10440-13B-13G-16DR 爲\ DATED 04/06/2015 & 05/4/2017 R.C.E. NO. 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.

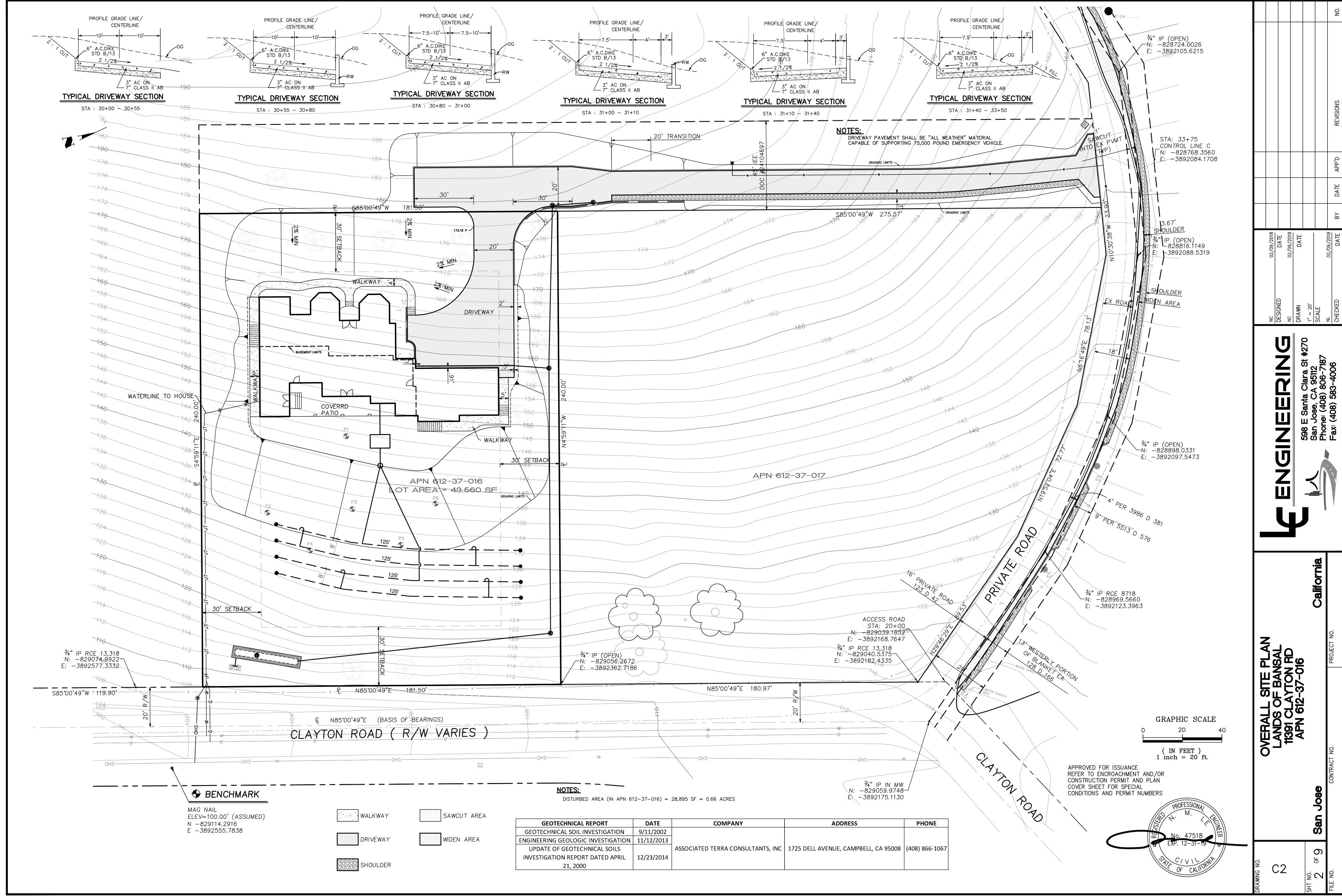
CHRISTOPHER L. FREITAS

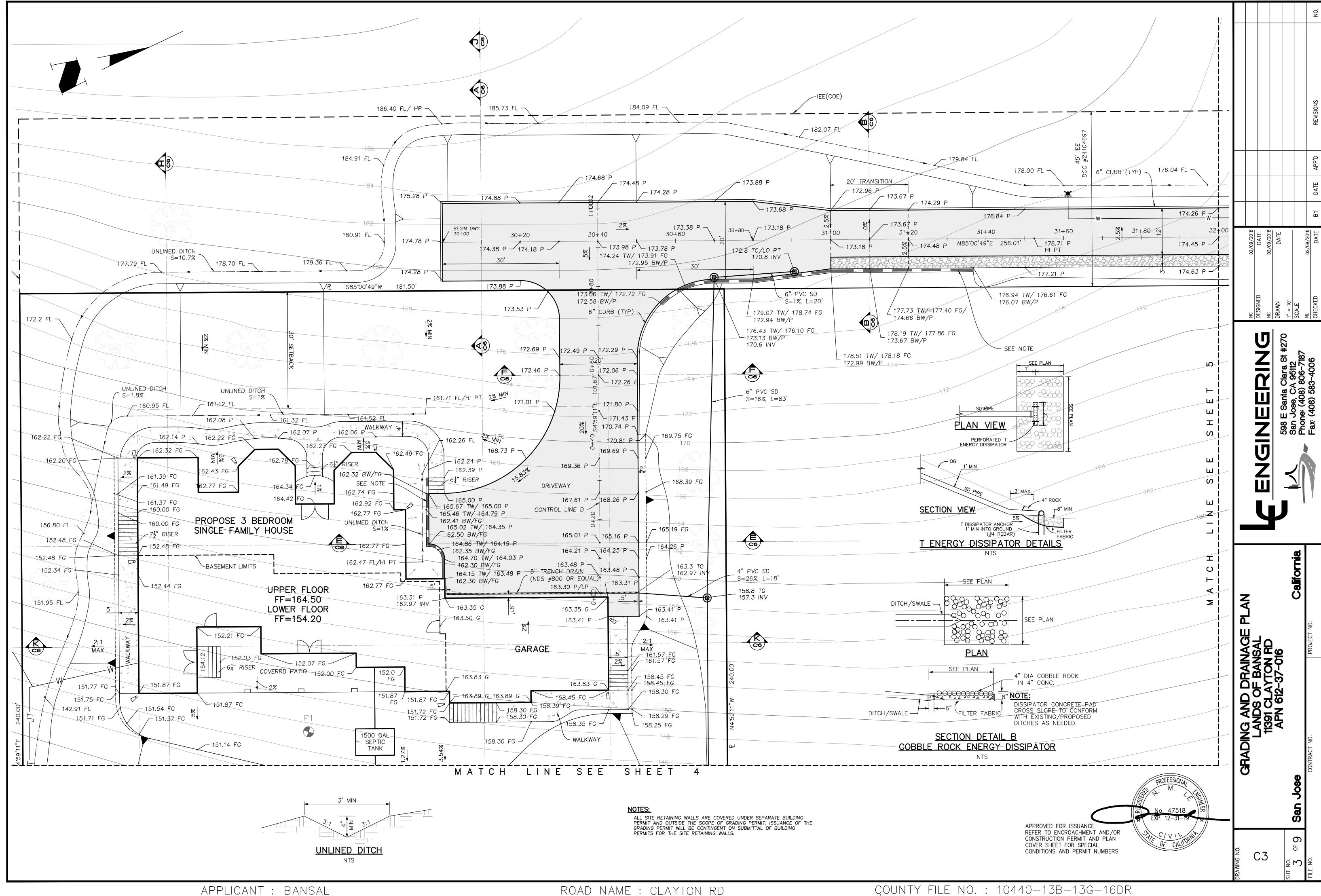
3/31/18 EXPIRATION DATE

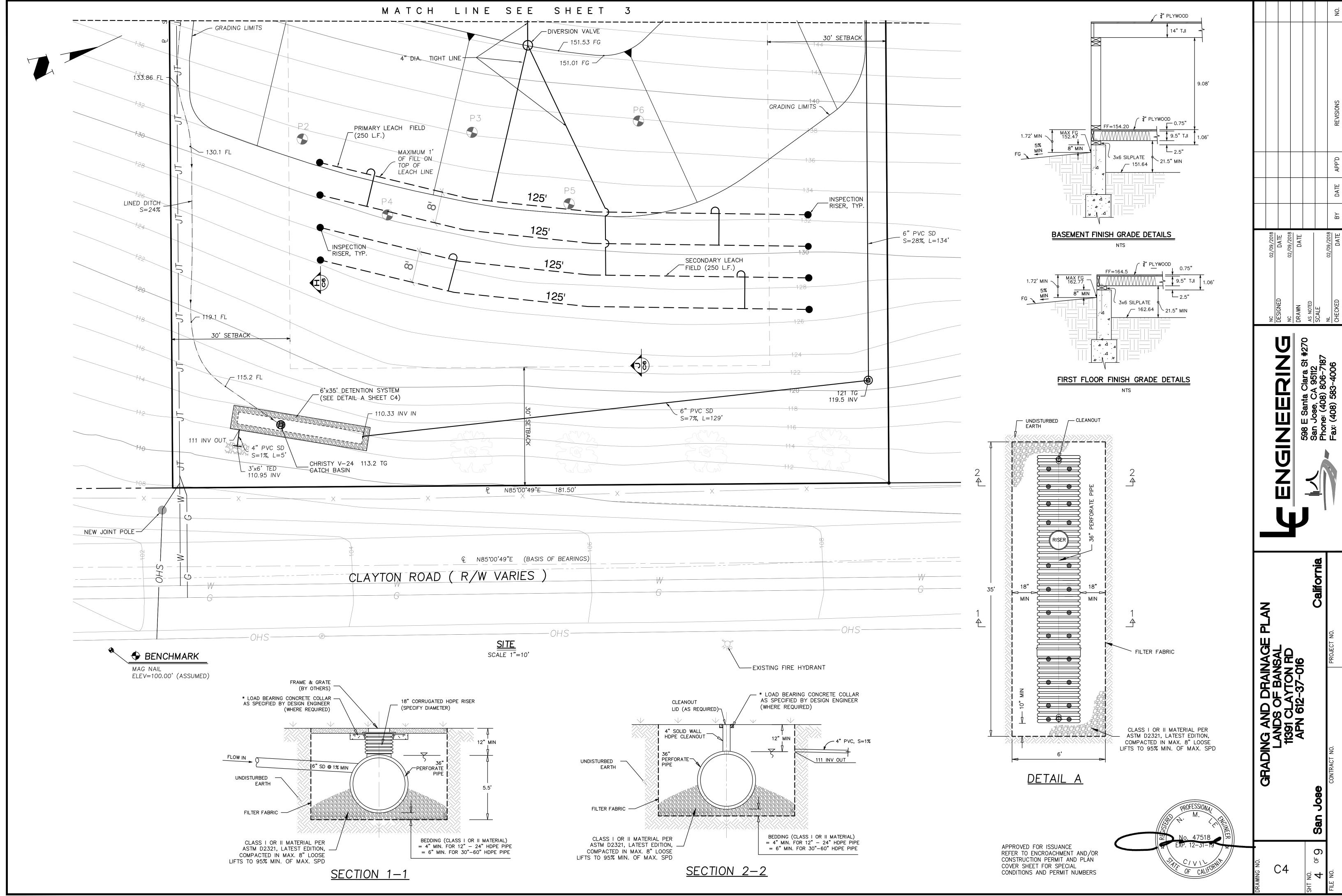
ठ

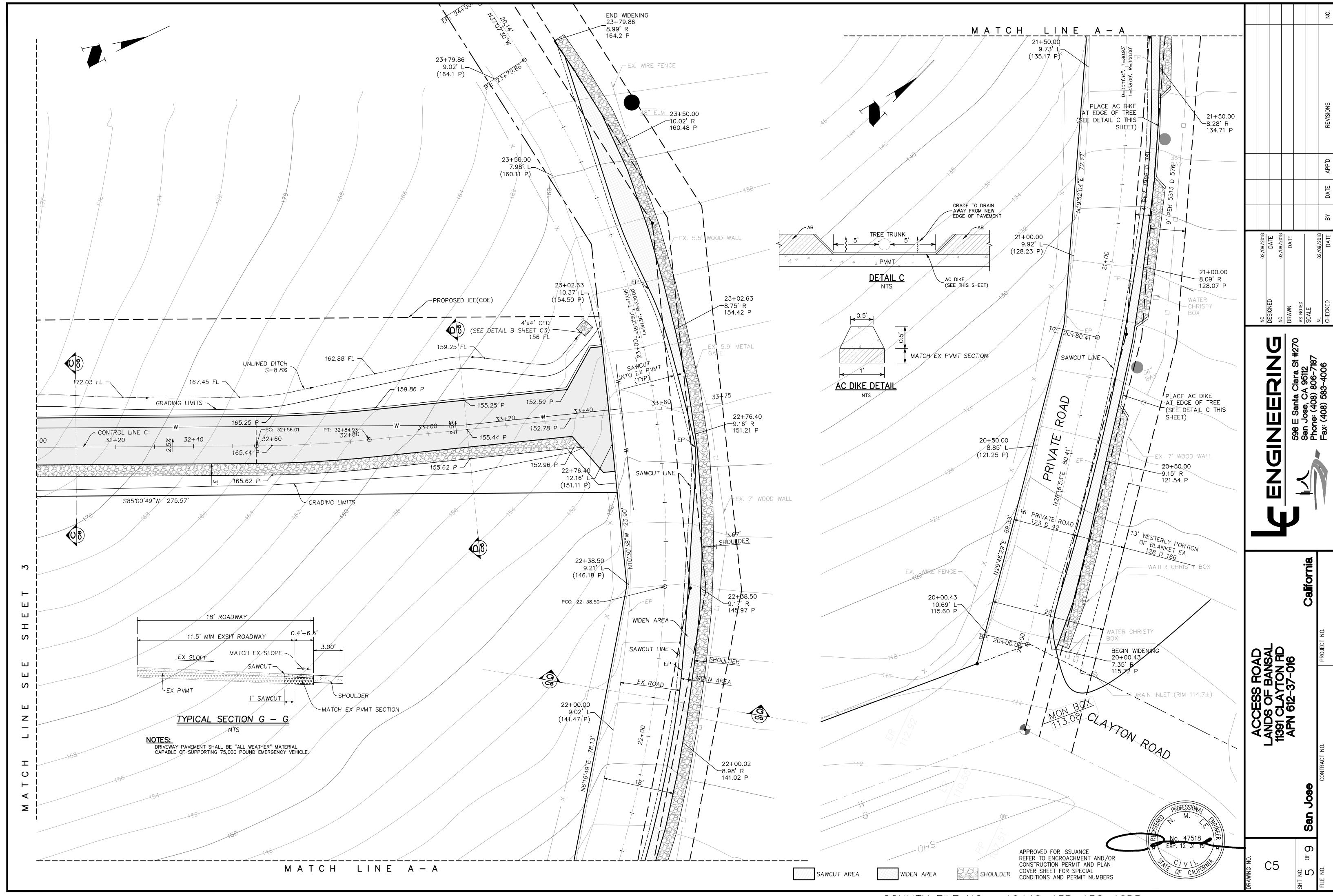
Clara 8 4 95112 806-71 3-4006 

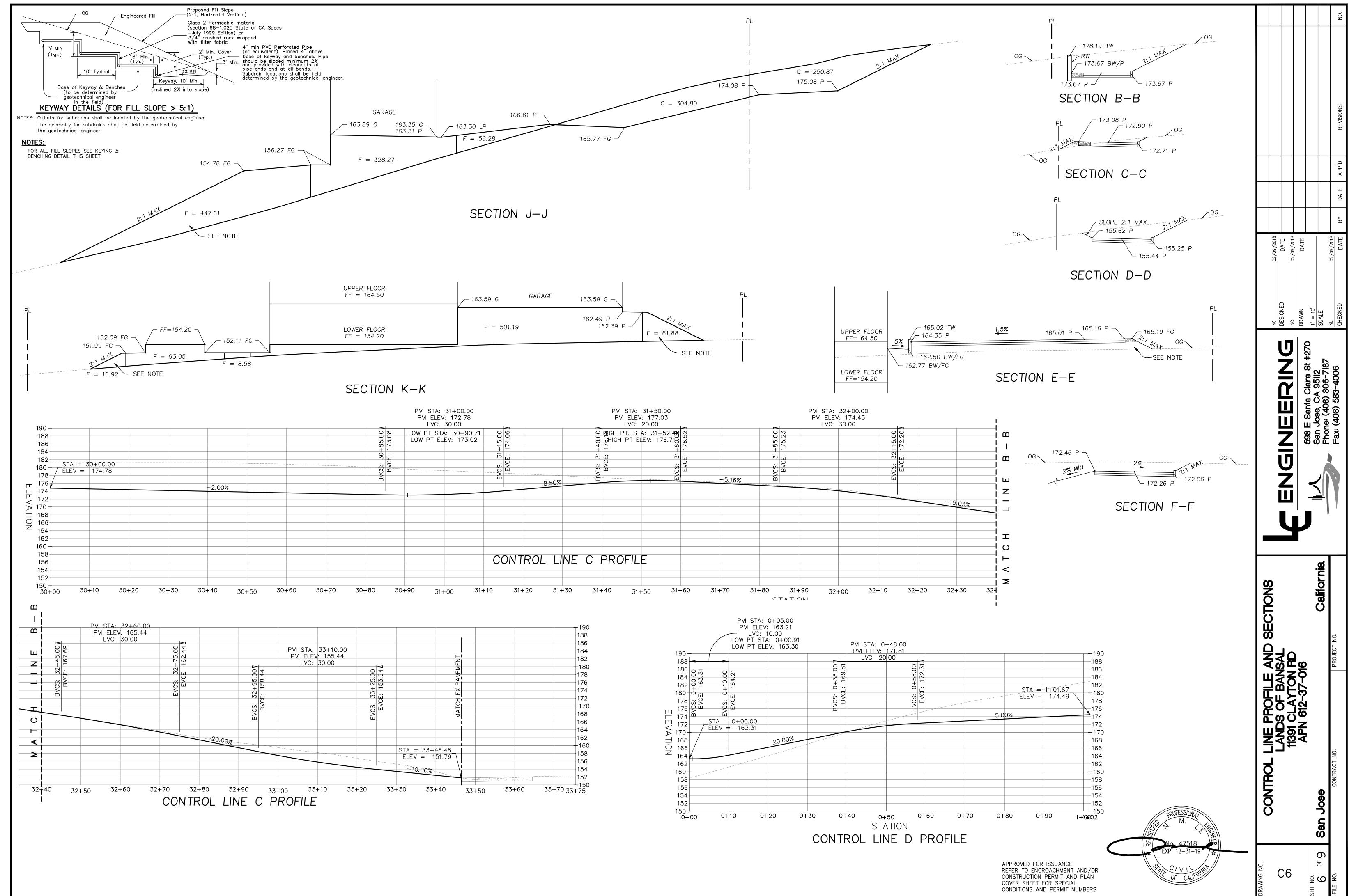
COUNTY FILE NO.: 10440-13B-13G-16DR

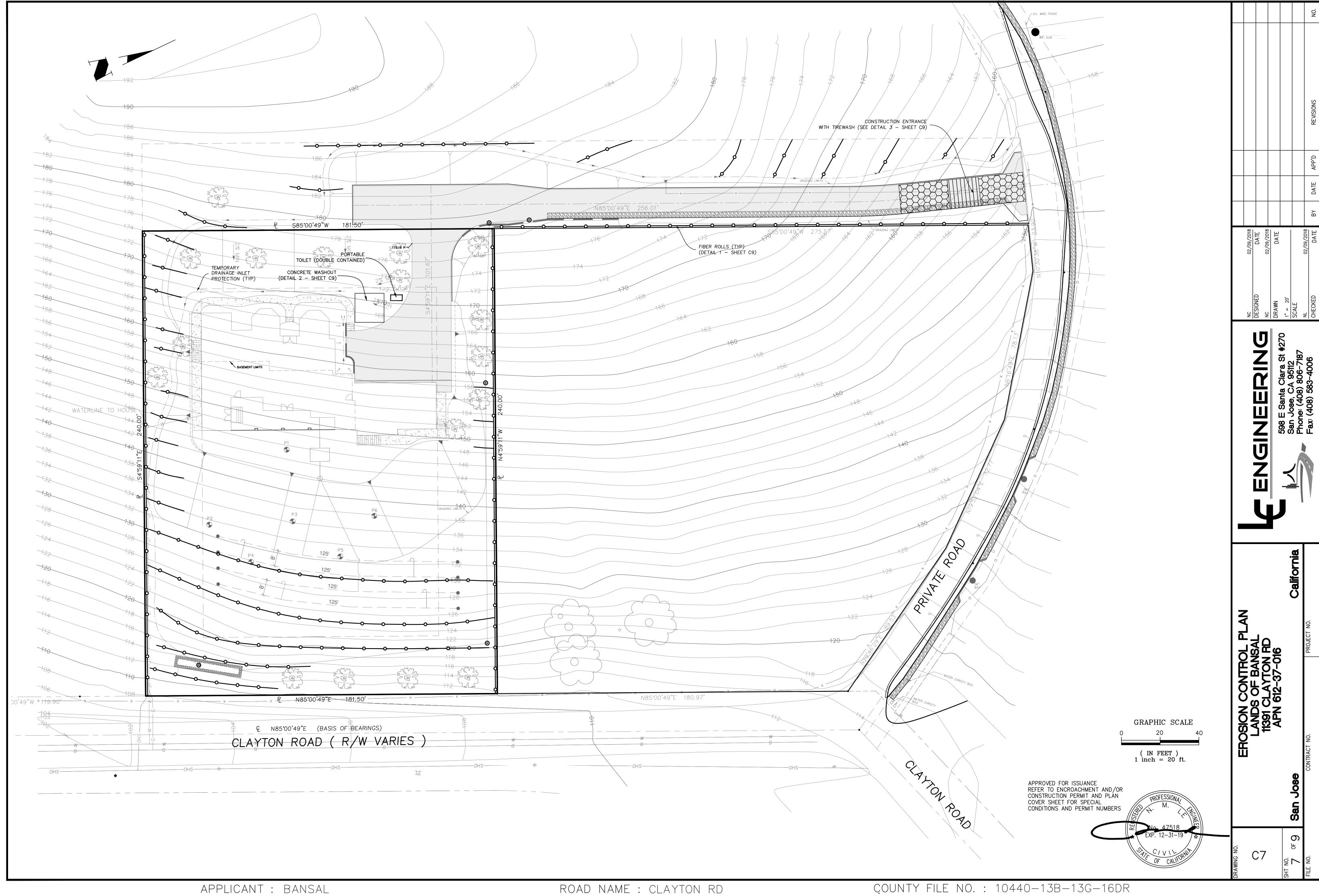




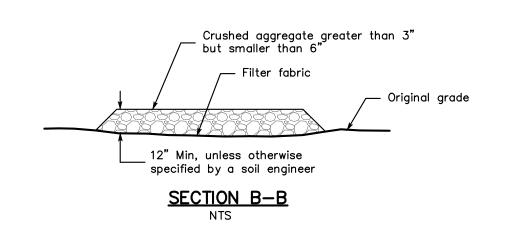


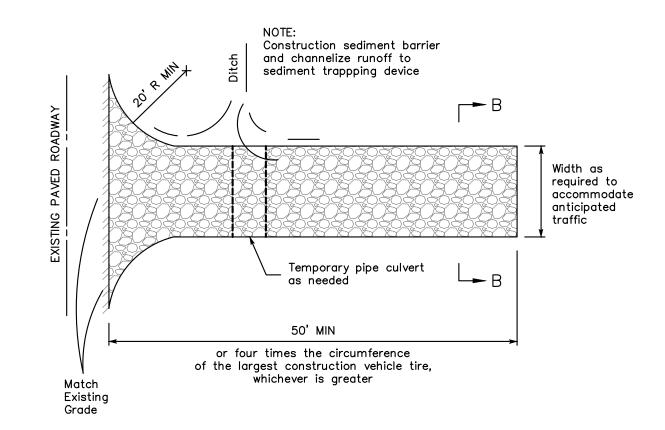




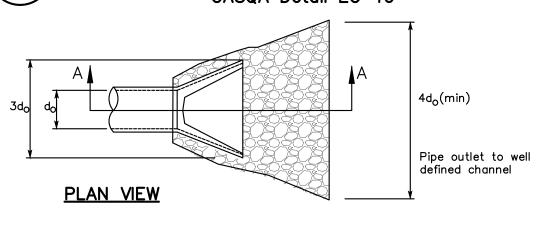


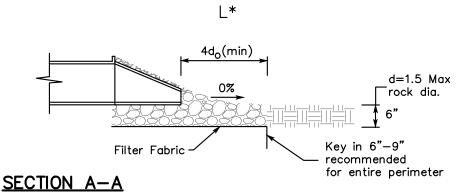




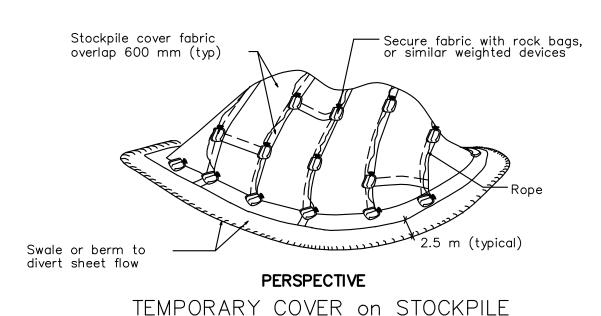


# Velocity Dissipation Devices CASQA Detail EC-10





\* Length per ABAG Design Standards



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

APPLICANT : BANSAL

# Silt Fence **LEGEND** CASQA Detail SE-1 Tamped backfill Slope direction Max reach = 500' (See note 1)~~<del>></del> Direction of flow opening detail Cross barrier (See note 10) SILT FENCE

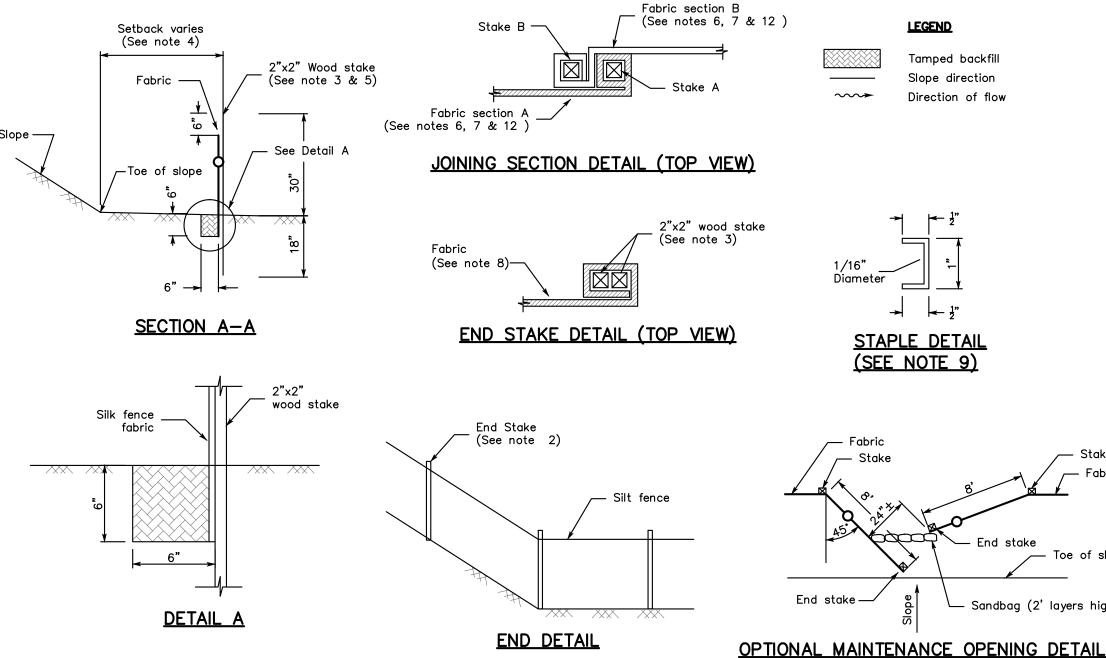
# 1. Construction the length of each reach so that the change is base elevation along the reach does not exceed 1/3 the height of the linear barrier, in no case shall the reach length exceed 500' 2. The last 8'-0" at fence shall be turned up slope

- 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
- Secure fabric to stake with 4 staples 7. Stake shall be overlap driven tightly together to prevent potential
- flow-through of sediment at joint. The top of stake shall be secure with 8. For end stake, fence fabric shall be folded around two stakes one full turn
- 9. Minimum 4 staples per stake. Dimensions shown are typical.
- 10. Cross barriers shall be a minimum of 1/3 a maximum at 1/2 the height of the linear barrier.
- 11. Maintenance openings shall be constructed in a manner to ensure
- 12. Joining sections shall not be placed at sump locations.
- 13. Sandbag rows and layers shall be offset to eliminate gaps.

# CROSS BARRIER DETAIL 6. Stake to overlap and fence fabric to fold around each stake one full turn.

SECTION C-C

# Silt Fence CASQA Detail SE-1



## STANDARD BEST MANAGEMENT PRACTICE NOTES

- 1. Solid and Demolition Waste Management: Provide designated 1. waste collection areas and containers on site away from streets, autters, 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.
- 2. Hazardous Waste Management: Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual. 4th Edition (pages C-5 to C-6) or 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.
- 4. Vehicle and Construction Equipment Service and Storage: An area shall be designated for the maintenance, where onsite 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 2. Erosion Control: During the rainy season, all disturbed areas must 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.
- 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 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 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 & 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
- 10. Inspection & Maintenance: Areas of material and equipment storage sites and temporary sanitary facilities must be inspected Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

# STANDARD EROSION CONTROL NOTES

Sediment Control Management:

Tracking Prevention & Clean Up: Activities shall be organized and measures taken as needed to prevent or minimize tracking of soi onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up o 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.

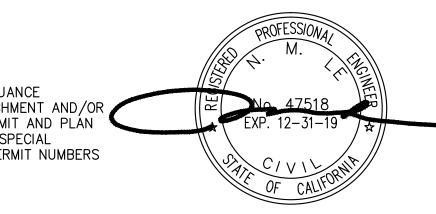
Storm Drain Inlet and Catch Basin Inlet Protection: All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber roles or staked silt fences can 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 o 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.

- 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 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.
- 7. Pavement Construction Management: Prevent or reduce the 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.
- reschedule paving when rain is in the forecast. Residue from 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
  - Grading work between October 15 and April 15 is at the discretion of Santa Clara County Building Official.
- Sediment Control Field Manual, 4th Edition (pages C-19 to 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.
  - The Owner/ Owner 's contractor, agent, and/or engineer shall install and maintain construction Best Management Practices (BMPs) within the Santa Clara County Road Right of Way and any portion of the site where storm water run-off is directly flowing into the Santa Clara County Road Right of Way. The BMPs are used throughout the duration of construction and until the establishment of permanent stabilization and sediment control to prevent construct ion materials, excavated materials, waste materials, and sediment caused by erosion from construction activities entering the storm drain system, waterways, and roadway infrastructure. BMPs shall include, but not be limited to, the following:
    - a) Reduction 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 public road right of way, and
  - c) Prevention of discharge of water runoff during dry and wet weather conditions onto public road right of way.
  - 10. The Owner/ Owner's contractor, agent, and/or engineer shall ensure that all temporary construction facilities, including but not limited to construction materials, deliveries, hazardous and non hazardous material storage, equipment, too Is, portable toilets, concrete washout garbage containers, laydown yards, secondary containment areas, etc are located outside the Santa Clara County Road Right of Way and any portion of the site where storm water nm-off is directly flowing into the Santa Clara County Road Right of Way.
  - 11. No Materials Shall Be Allowed To Be Stored In Areas Required Fo Emergency Access



APPROVED FOR ISSUANCE REFER TO ENCROACHMENT AND/OF CONDITIONS AND PERMIT NUMBERS

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

(SEE NOTE 11)

 $\Theta$ 

Clara St # A 95112 806-7187 33-4006

598 San Phor Fax:

