

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. 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 CORNER AT (408) 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 86-18).
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.

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 IMPROVEMENTS 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 KEVED 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.

LOCATION	CUT (C.Y.)	FILL (C.Y.)	VERT. DEPTH
RESIDENCE	26	198	10'
ACCESSORY STRUCTURE	-	-	-
POOL/HARDSCAPE	-	-	-
LANDSCAPE	-	-	-
DRIVEWAY	688	590	10'
OFF SITE IMPROVEMENTS	-	-	-
TOTAL	714	788	

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. WOOD 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 PLACE 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. ALA 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 COMPLY WITH THE SPECIFIC REQUIREMENTS OF THE JURISDICTION. 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. 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 FOLLOWING REQUIREMENT). OBTAIN ENCROACHMENT PERMIT FOR SIGN FROM 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 COMPLAINT 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 SDR.
13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROL. SLOPED CONCRETE RIP-RAP, ENERGY DISSIPATORS 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. 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 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 ILLUOT 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 AND SITUATIONALLY 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 Δ.

DATE _____ SIGNATURE _____

NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER CONSTRUCTION.

GRADING AND DRAINAGE PLAN
APN 558-08-147
22045 OLD SANTA CRUZ HWY
LOS GATOS, CALIFORNIA 95033

SHEET INDEX

- C1.0 GRADING TITLE SHEET
C1.1 EASEMENT PLAN
C1.2 TREE REMOVAL PLAN
C2.1 DRIVEWAY/SITE PLAN
C2.2 GRADING AND DRAINAGE PLAN
C3.0 EROSION CONTROL PLAN/SITE PLAN
C3.1 EROSION CONTROL PLAN SECTIONS
C4.0 DRIVEWAY PROFILE
C4.2 GRADING SECTIONS (PRIVATE ROAD)
C5.1 DETAILS
C5.2 DETAILS
C6.1 EROSION CONTROL DETAILS
C6.2 EROSION CONTROL DETAILS
C7.1 SEPTIC SYSTEM PLAN
L1 LANDSCAPE PLAN

SCOPE OF WORK

1. THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WORK PROPOSED ON THE EROSION CONTROL PLAN. THE ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE EROSION CONTROL PLANS AND ANY MODIFICATIONS OF THE EROSION CONTROL PLANS TO PREVENT ILLUOT DISCHARGES FROM THE SITE DURING CONSTRUCTION.
2. GRADE DRIVEWAY, TURNAROUND, AND HOUSE SITE.
3. INSTALL DRAINAGE FACILITIES.
4. BUILD RETAINING WALLS, GRADING IMPROVEMENTS.
5. CONSTRUCT RETAINING WALLS, PAVED DRIVEWAY, ACCESS ROAD, AND TURNAROUND.
6. SEED ALL DISTURBED AREAS.

SURVEY MONUMENT PRESERVATION

1. THE LANDOWNER / CONTRACTOR MUST PROTECT AND ENSURE THE PERPETUATION OF SURVEY MONUMENTS AFFECTED BY CONSTRUCTION.
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.

NOTICE TO CONTRACTORS

CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 800-277-2600 A MINIMUM OF 24 HOURS OF THE LOCATION OF UNDERGROUND UTILITIES.

NOTE:

"ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN UPON THIS MAP/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 TO ACCEPTANCE INTO THE COUNTY'S ROAD SYSTEM."

CONSULTING ENGINEERING
GEOLOGIST:

CRAIG S. HARWOOD, CONSULTING ENGINEERING
GEOLOGIST.

GEOTECHNICAL ENGINEER
OBSERVATION

1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND GEOTECHNICAL ENGINEERING 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.

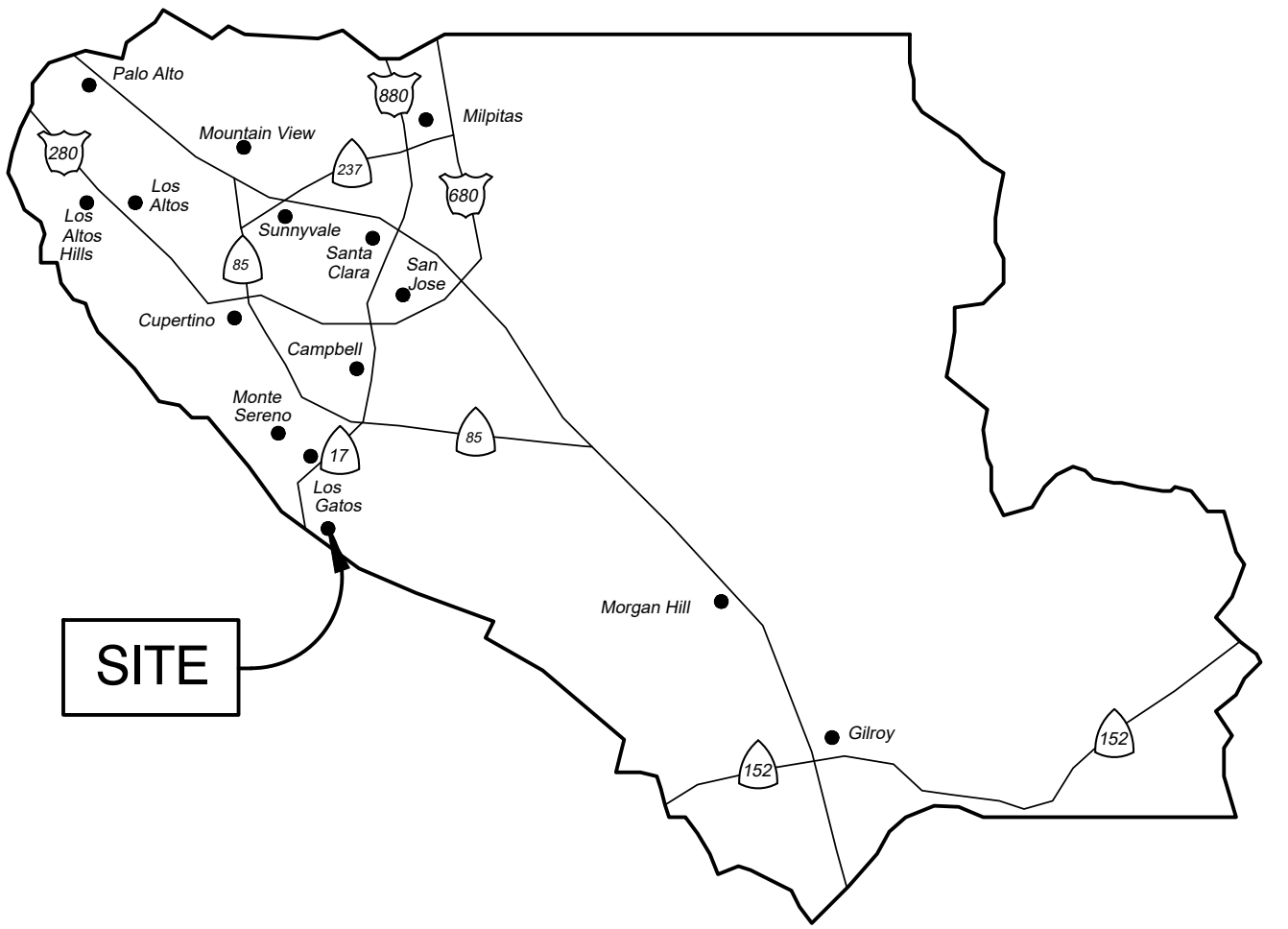
PROJECT NOTE:

ALL GEOTECHNICAL ASPECTS OF THE CONSTRUCTION, INCLUDING EARTHWORK, BASEMENT AND SWIMMING POOL EXCAVATION, EXCAVATION OF DRILLED PIER AND SPREAD FOOTING FOUNDATIONS, PREPARATION OF SUBGRADE AND PLACEMENT OF NON-EXPANSIVE FILL BENEATH SLABS-ON-GRADE AND FLEXIBLE HARDSCAPES, RETAINING WALL BACKFILL, AND INSTALLATION OF SURFACE AND SUBSURFACE DRAINAGE SHOULD BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION AND ENGINEERING GEOLOGIC RECONNAISSANCE PREPARED BY SILICON VALLEY SOIL ENGINEERING DATED DECEMBER 2015. SILICON VALLEY SOIL ENGINEERING SHOULD BE PROVIDED AT LEAST 48 HOURS ADVANCE NOTIFICATION (408-324-1400) OF ANY GEOTECHNICAL OPERATIONS AND SHOULD BE PRESENT TO OBSERVE AND/OR TEST AS NECESSARY THE EARTHWORK, FOUNDATION, AND DRAINAGE INSTALLATION PHASES OF THE PROJECT.



VICINITY MAP

NTS



COUNTY LOCATION MAP

NTS

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

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

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

ENGINEER'S STATEMENT

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

DATE _____ SIGNATURE _____ R.C.E. NO. _____
EXPIRATION DATE _____



COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, 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 (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 _____

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

GRADING
TITLE SHEET

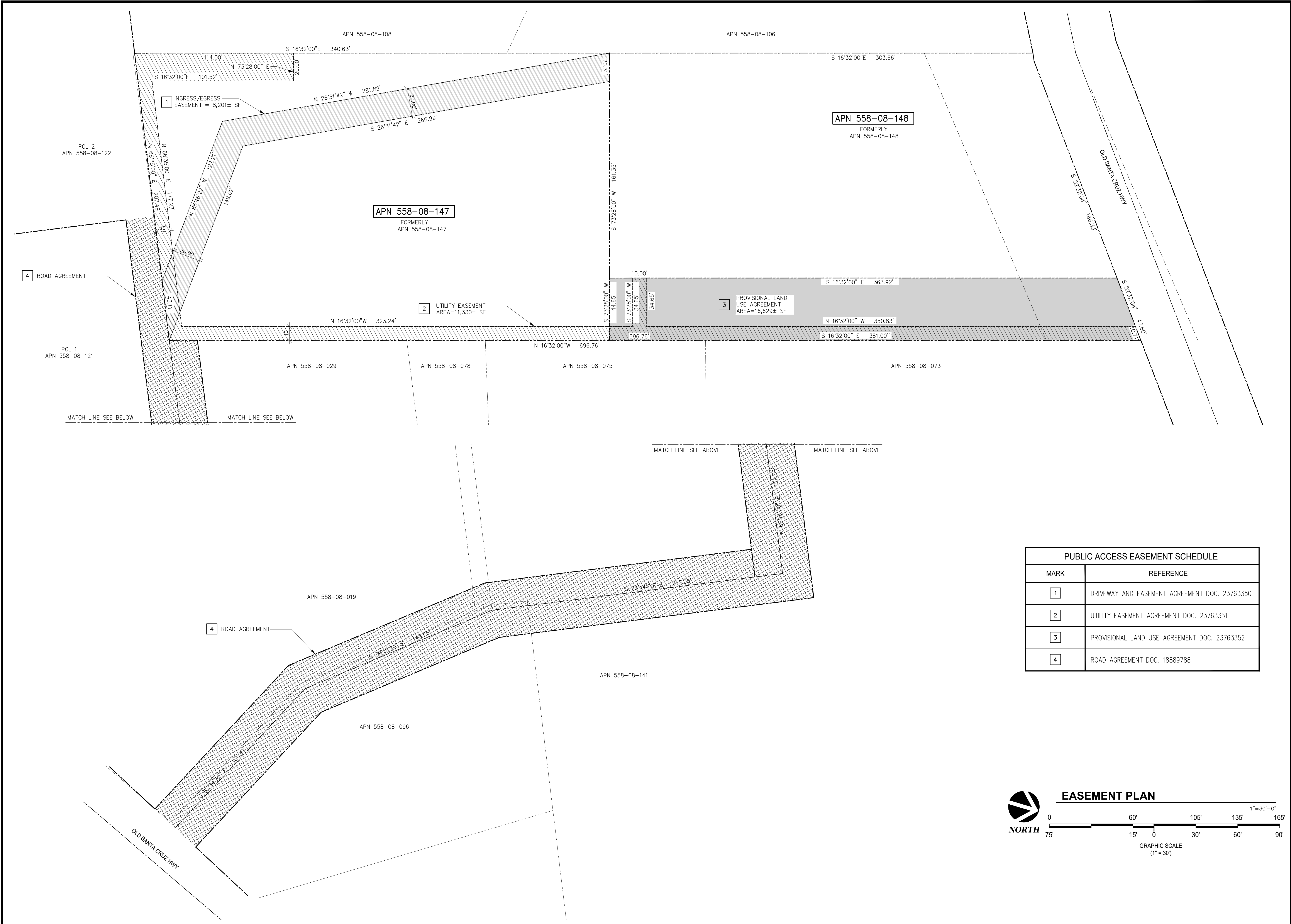
DATE	February 14, 2020
SCALE	AS SHOWN
DRAWN	SC/AA
JOB	05-20
SHEET	

C1.0

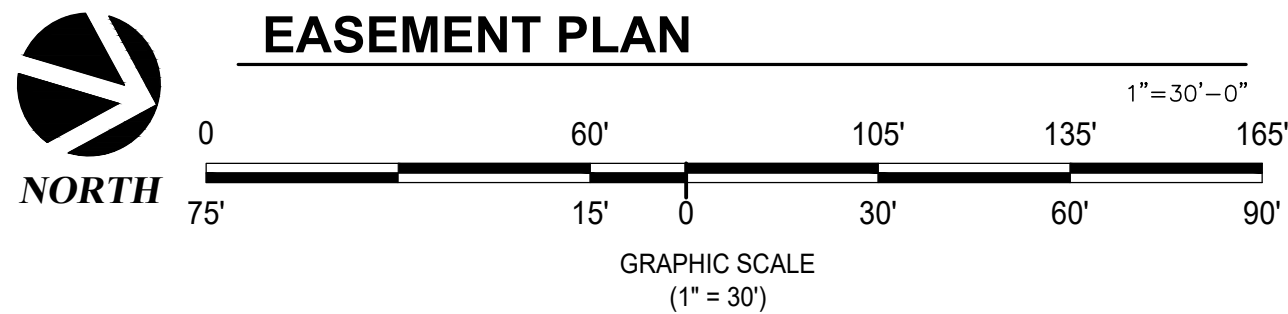
APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.



PUBLIC ACCESS EASEMENT SCHEDULE	
MARK	REFERENCE
1	DRIVEWAY AND EASEMENT AGREEMENT DOC. 23763350
2	UTILITY EASEMENT AGREEMENT DOC. 23763351
3	PROVISIONAL LAND USE AGREEMENT DOC. 23763352
4	ROAD AGREEMENT DOC. 18889788



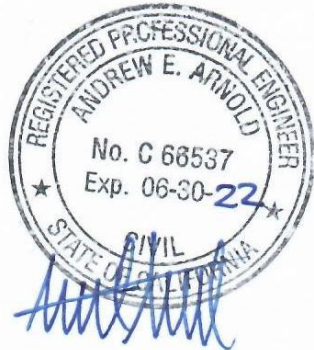
APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

EASMENT PLAN

DATE February 14, 2020

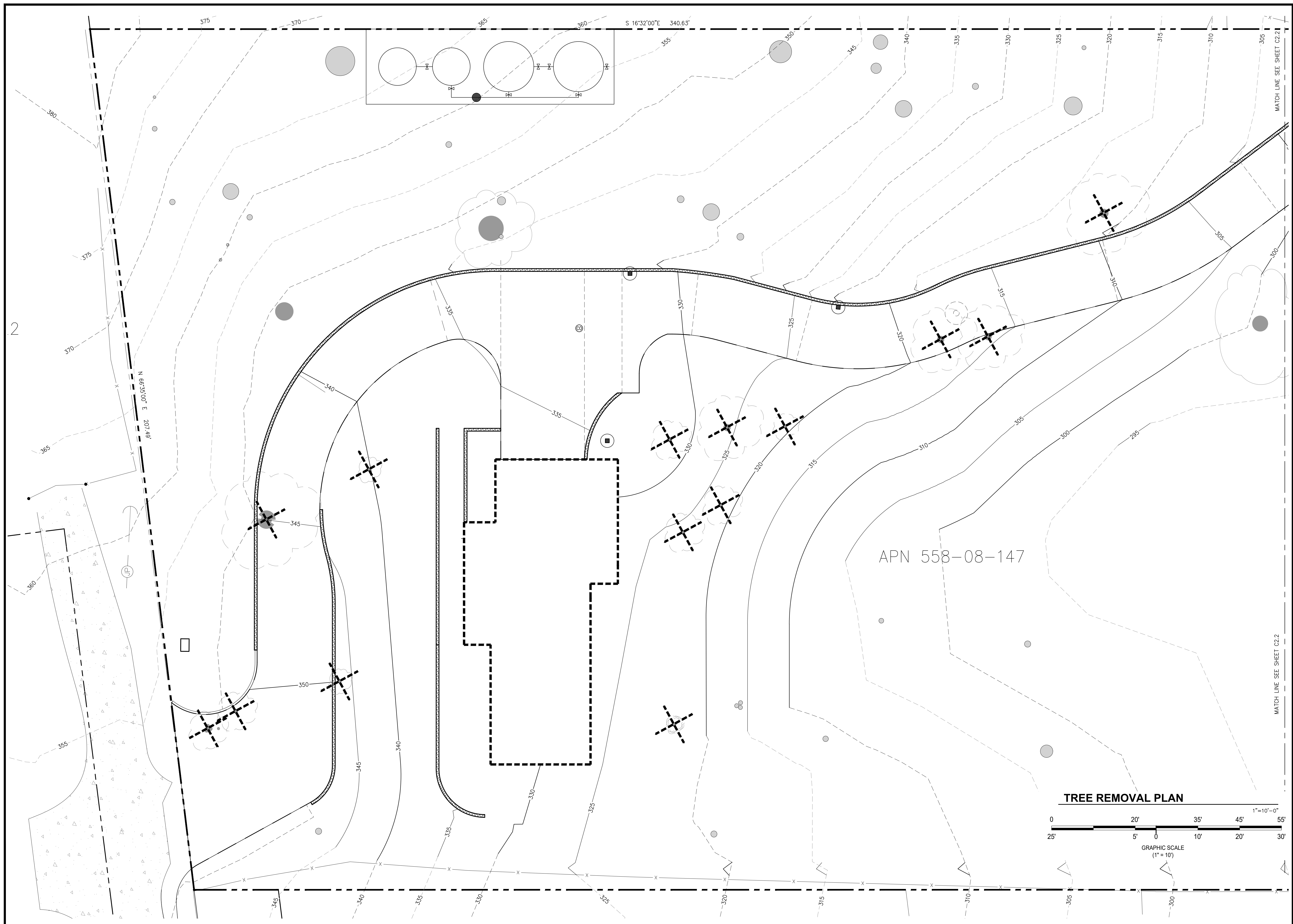
SCALE AS SHOWN

DRAWN SC/AA

JOB 05-20

SHEET

C1.1



APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.

**ARNOLD ENGINEERING
ASSOCIATES, INC.**
1255 TREAT BOULEVARD, SUITE
WALNUT CREEK, CALIFORNIA 94
T: 415-786-9822
email: info@aeeengineering.com
web: www.aeeengineering.com

STAMP

[illegible]

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

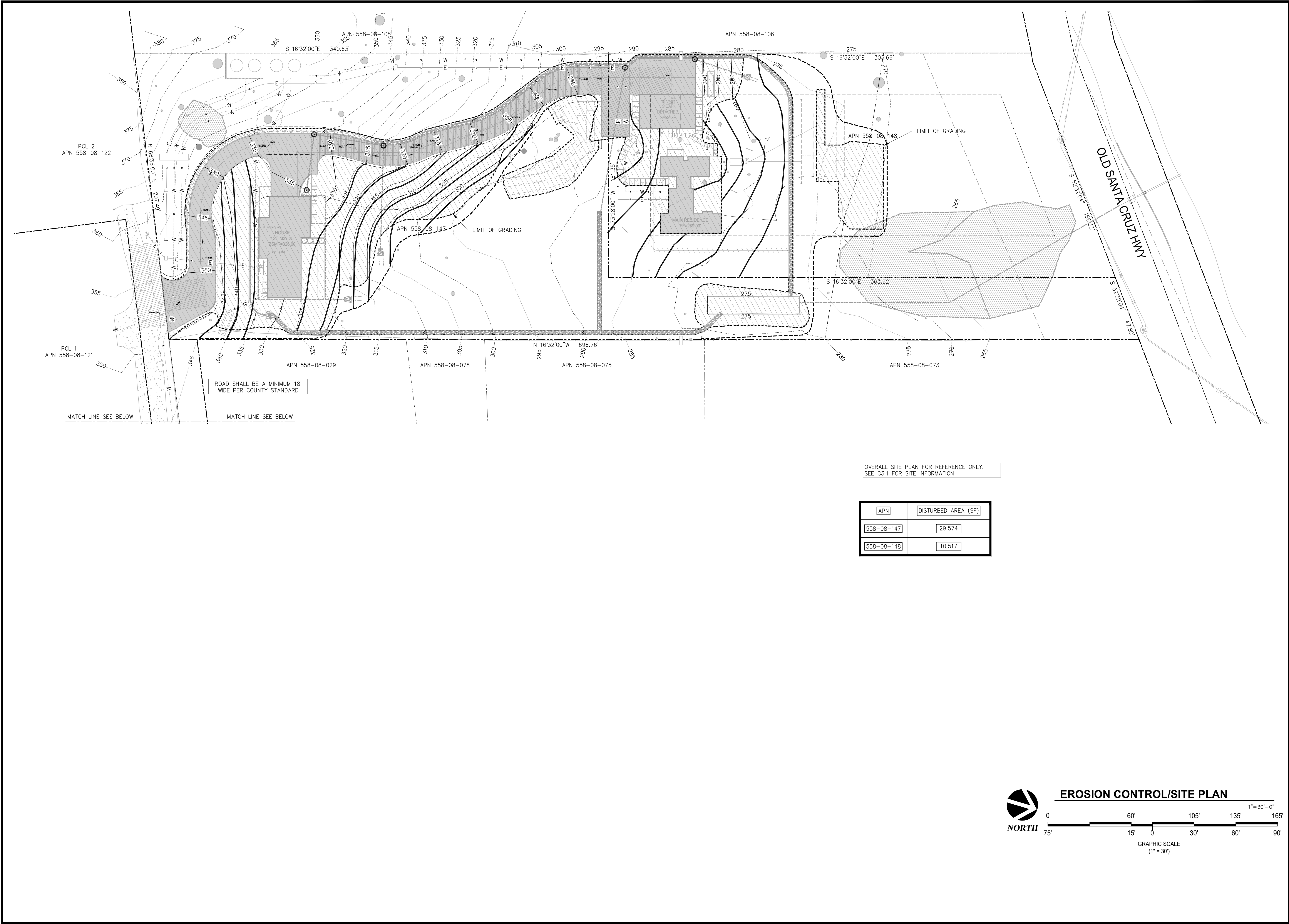
SHEET TITLE

TREE REMOVAL PLAN

DATE	February 14, 2020
SCALE	AS SHOWN
DRAWN	SC/AA
JOB	05-20

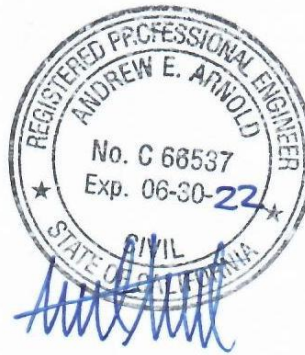
SHEET

C1.2



ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUCH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

EROSION
CONTROL/SITE
PLAN

DATE February 14, 2020

SCALE AS SHOWN

DRAWN SC/AA

JOB 05-20

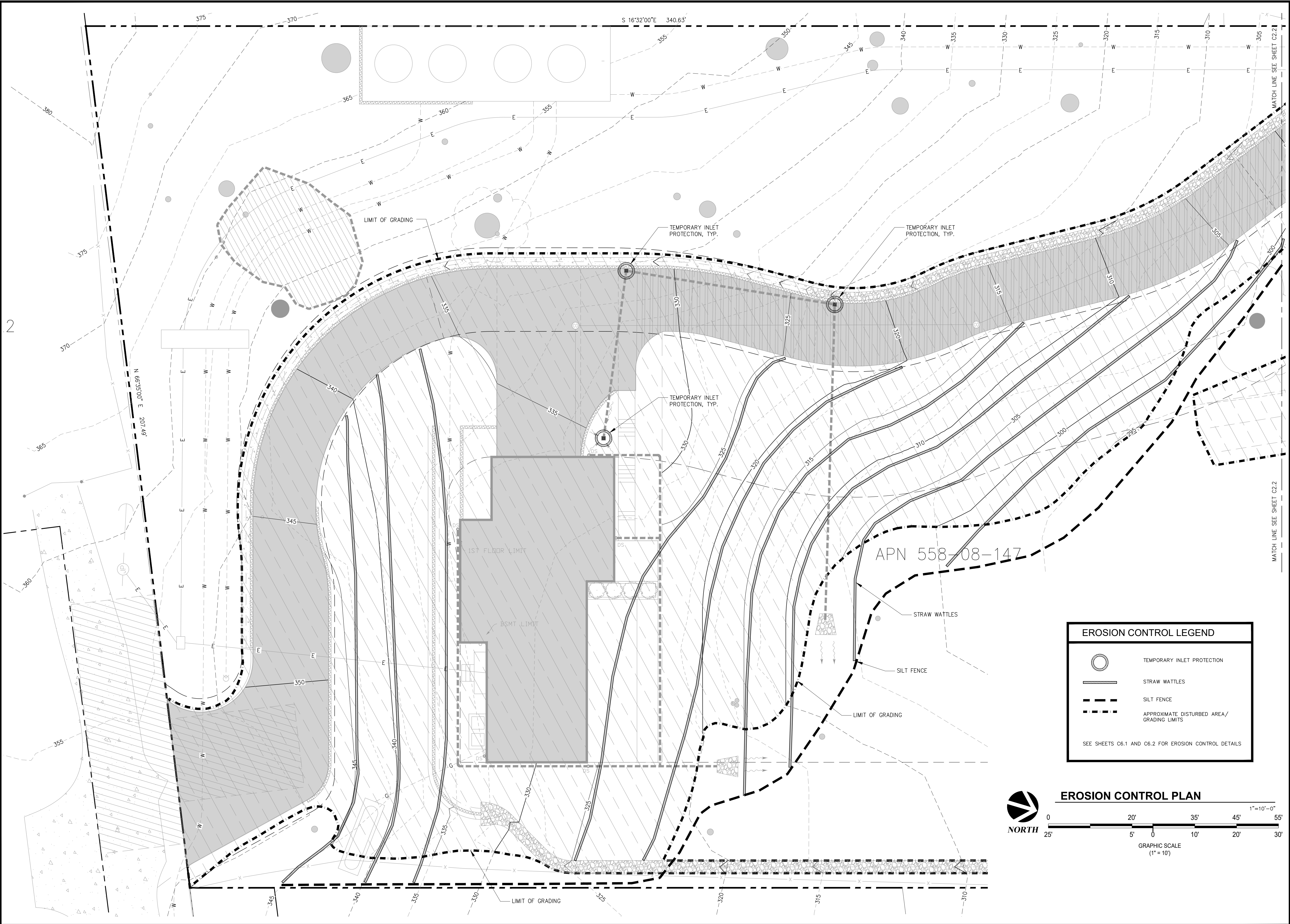
SHEET

C3.0

APPLICANT:

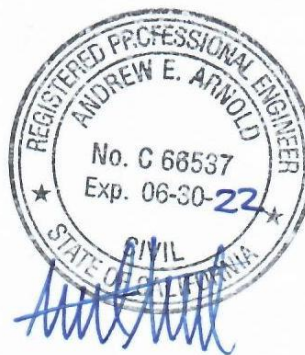
ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.



ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

EROSION
CONTROL PLAN

DATE February 14, 2020

SCALE AS SHOWN

DRAWN SC/AA

JOB 05-20

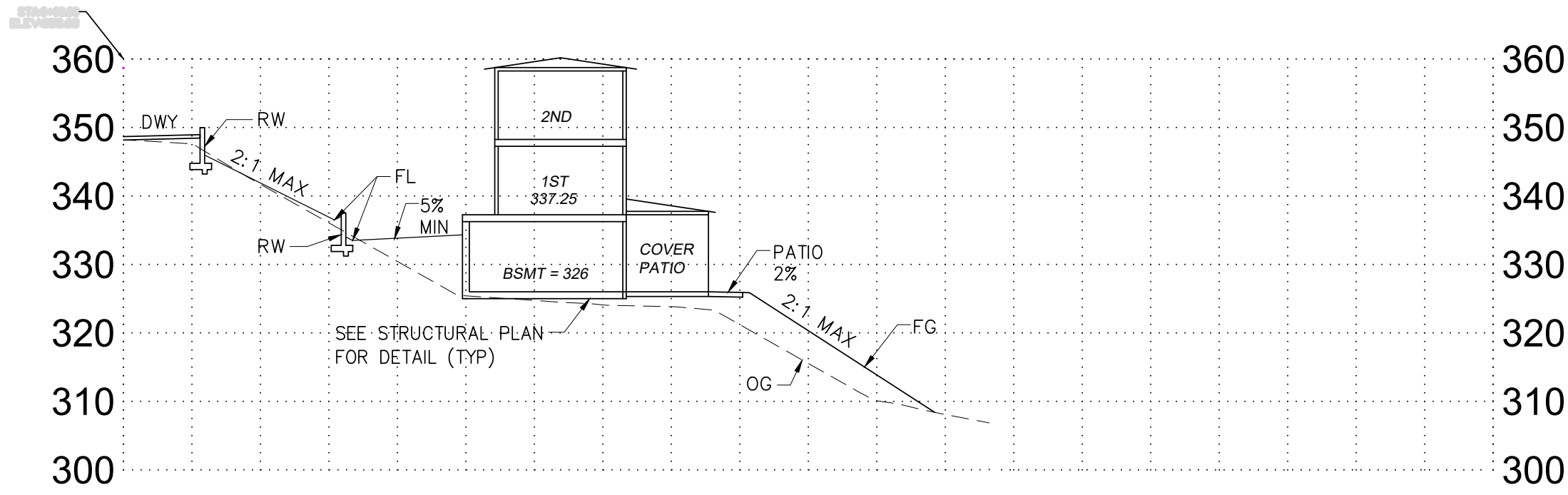
SHEET

C3.1

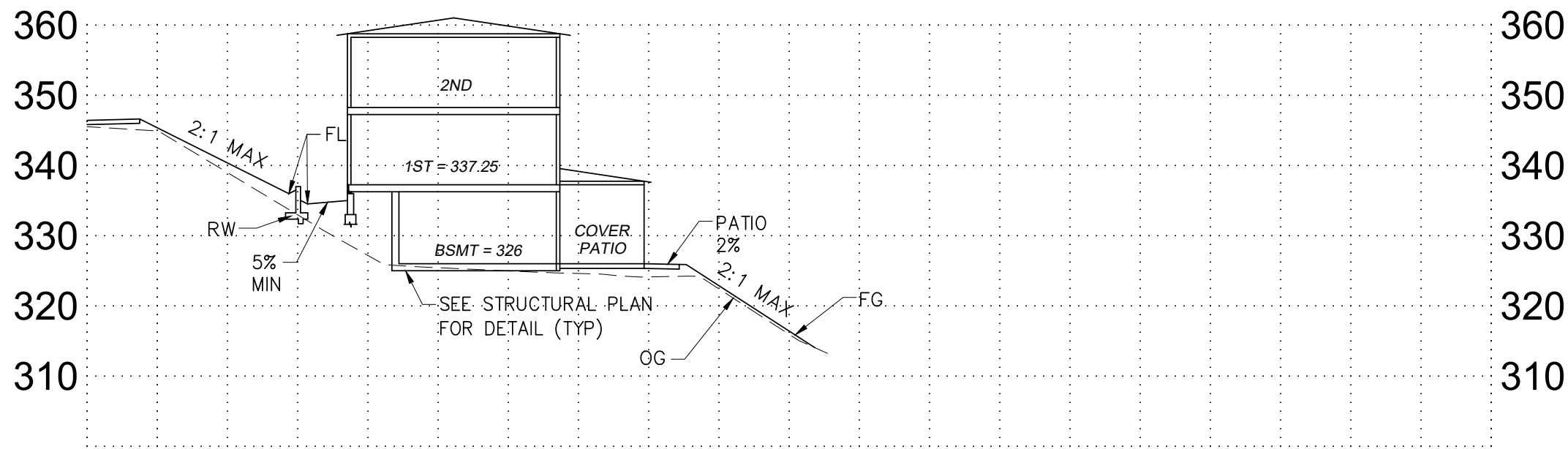
APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.



1 SECTION
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 20'



2 SECTION
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 20'

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

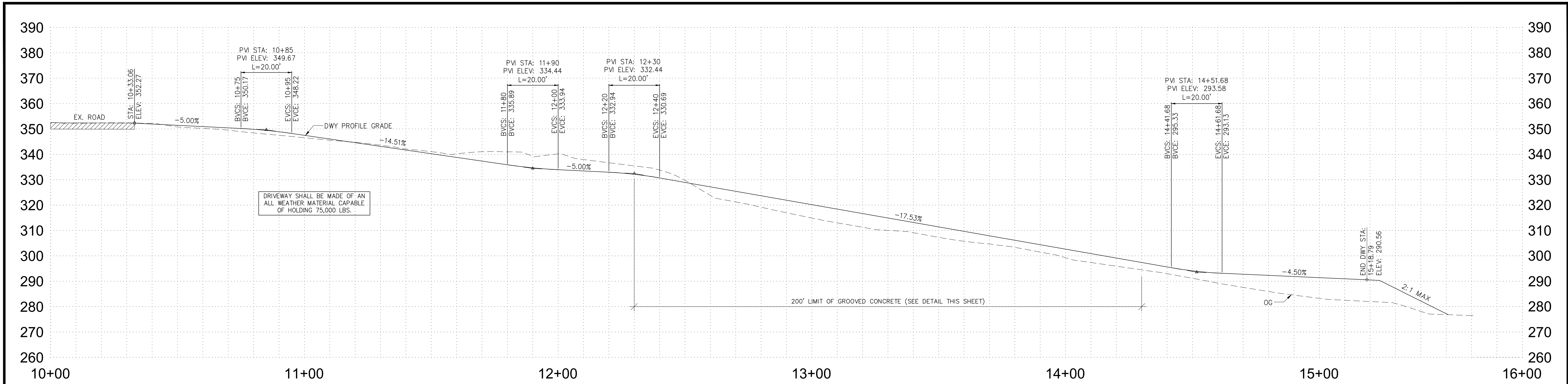
SHEET TITLE

SECTIONS

DATE	February 14, 2020
SCALE	AS SHOWN
DRAWN	SC/AA
JOB	05-20

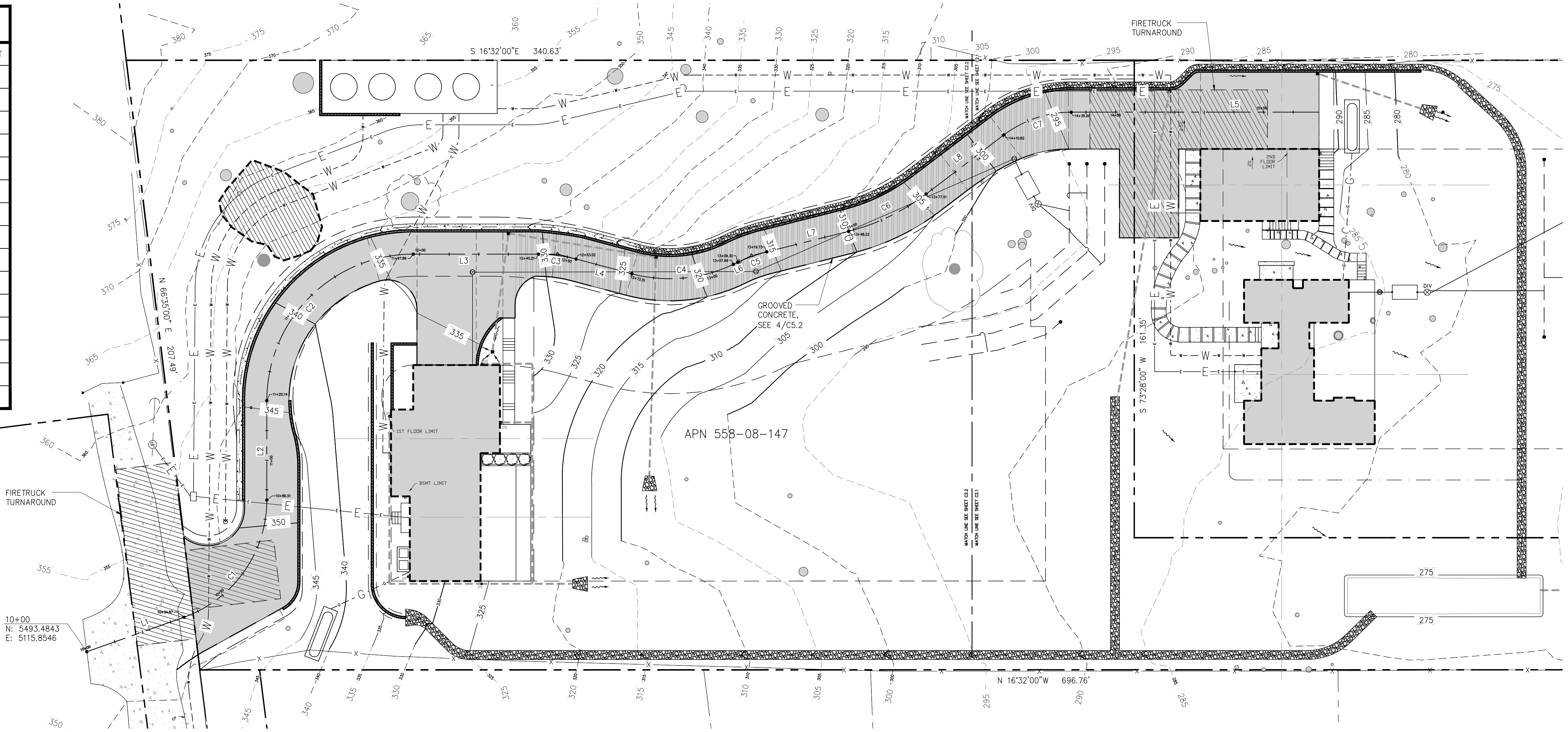
SHEET

C4.0



DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 20'

DRIVEWAY ALIGNMENT				
NUMBER	RADIUS	LENGTH	LINE/DELTA	TANGENT
L1		34.87'	N36°05'09"W	
C1	42.00'	51.64'	70°26'39"	29.65'
L2		33.63'	S73°28'12"W	
C2	49.50'	77.76'	90°00'00"	49.50'
L3		42.31'	N16°31'48"W	
C3	49.50'	12.81'	14°49'36"	6.44'
L4		19.50'	N01°42'12"W	
C4	50.00'	35.17'	40°18'16"	18.35'
L6		1.62'	N42°00'29"W	
C5	52.50'	10.43'	11°22'53"	5.23'
L7		28.49'	N30°37'36"W	
C6	72.50'	29.29'	23°08'51"	14.85'
L8		33.11'	N53°46'27"W	
C7	37.50'	24.38'	37°14'36"	12.64'
L5		125.62'	N16°31'51"W	



DRIVEWAY ALIGNMENT PLAN
SCALE: 1" = 30'

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

DRIVEWAY PLAN/
PROFILE

DATE	February 14, 2020
SCALE	AS SHOWN
DRAWN	SC/AA
JOB	05-20

SHEET

C4.1

**ARNOLD ENGINEERING
ASSOCIATES, INC.**
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T. 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP

[illegible]

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

GRADING SECTIONS

DATE	February 14, 2020
------	-------------------

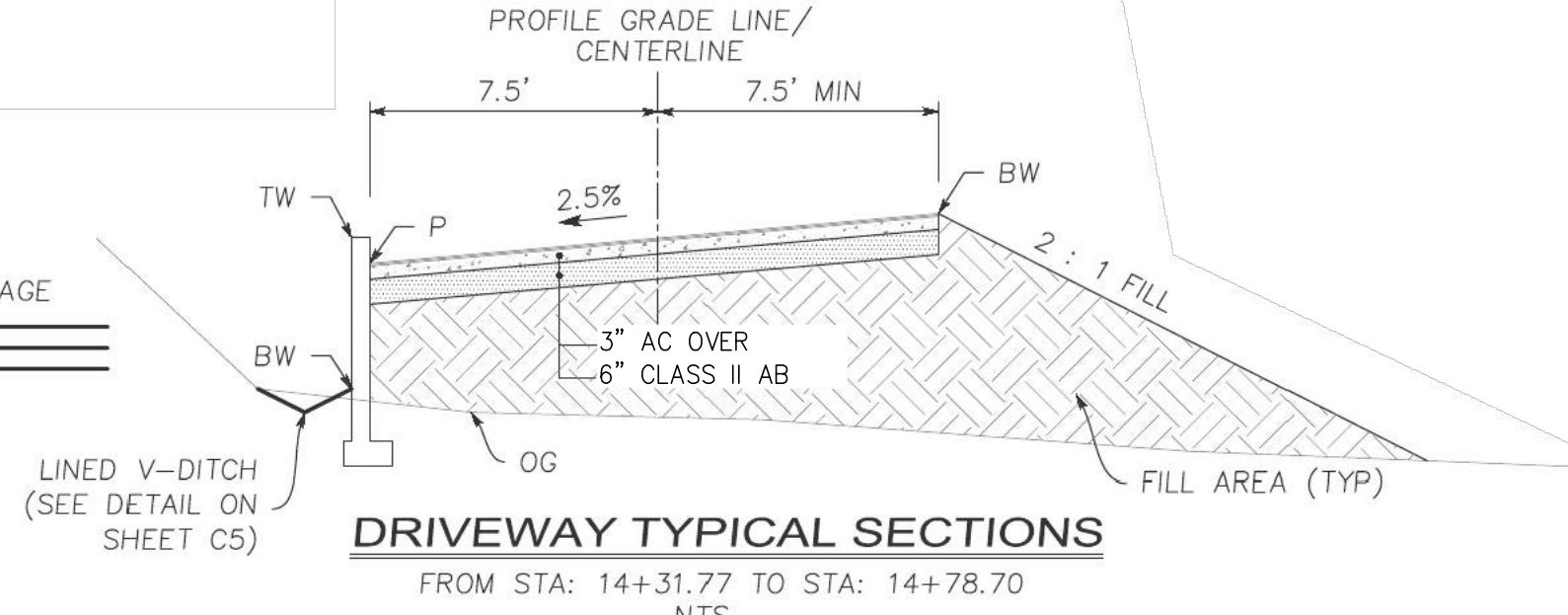
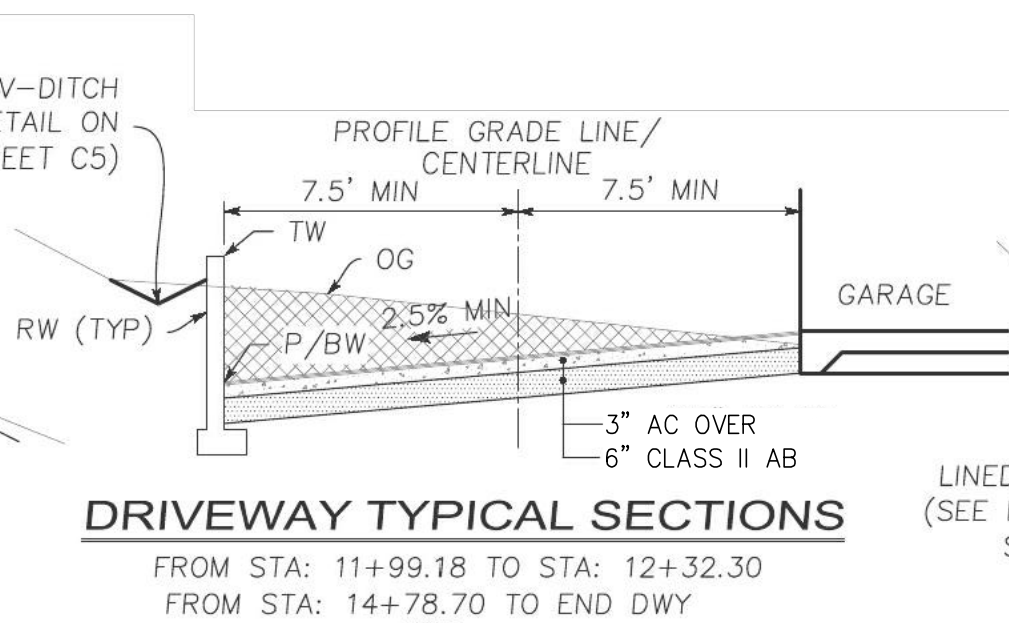
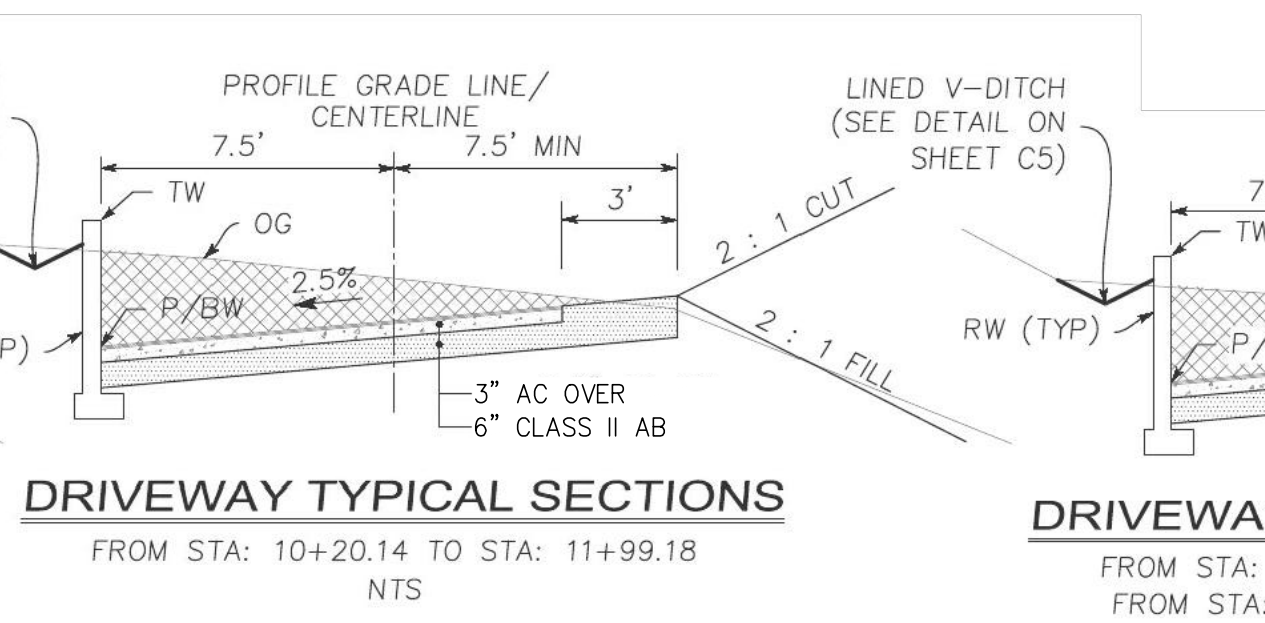
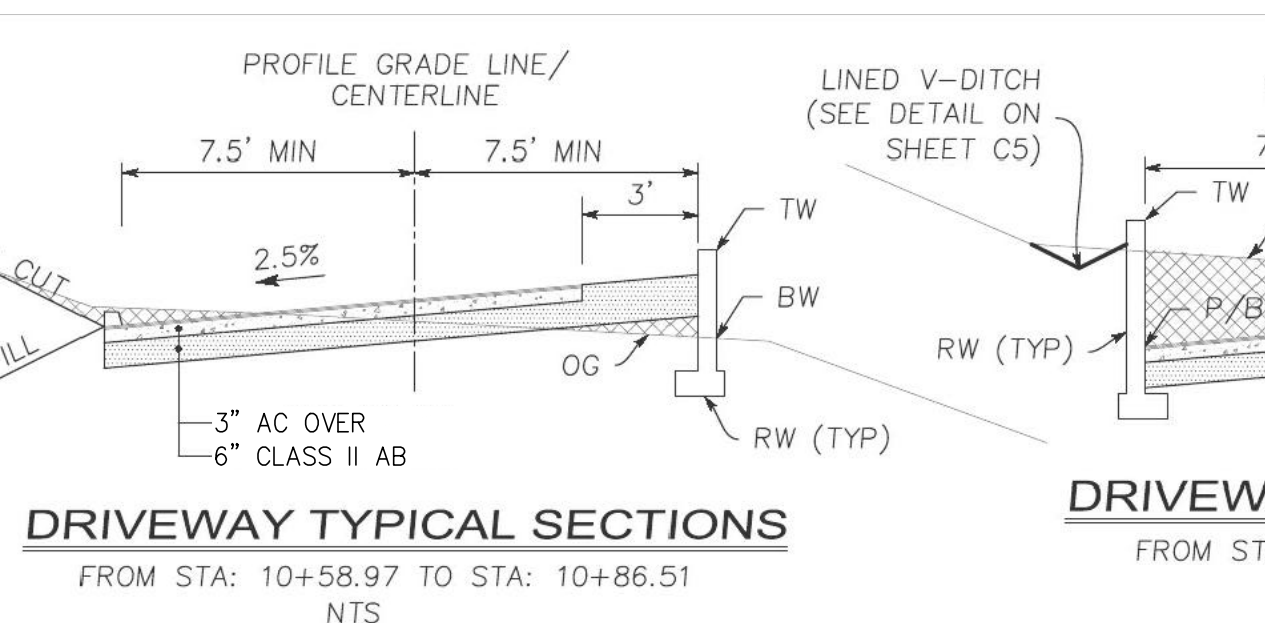
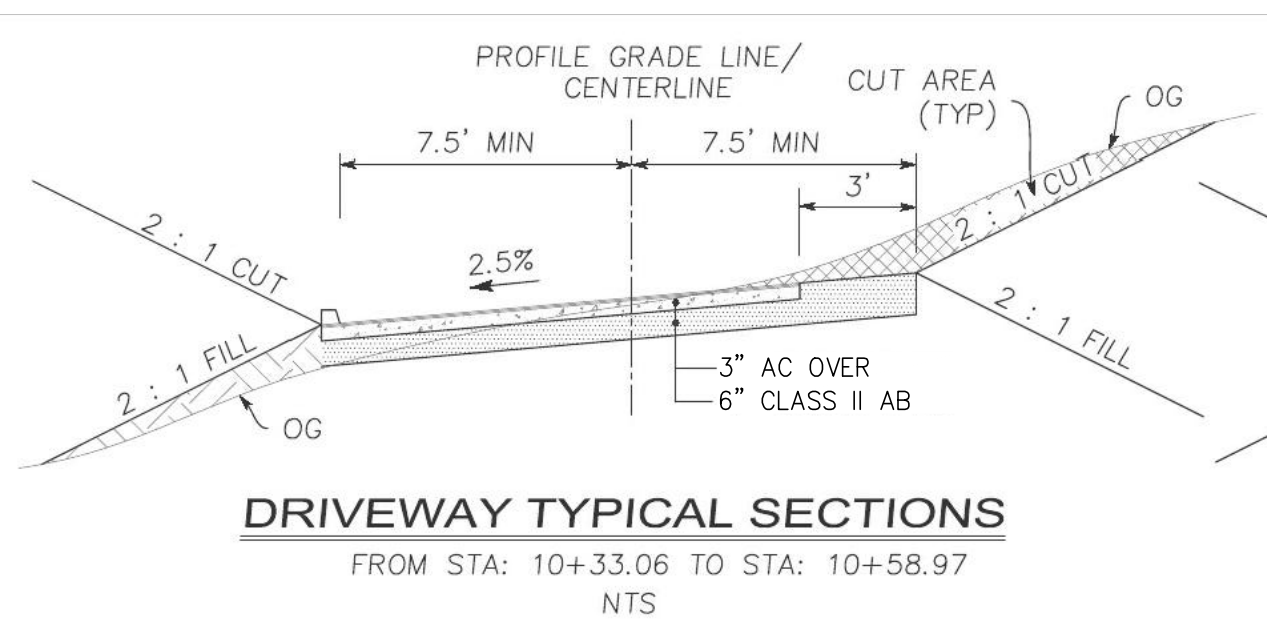
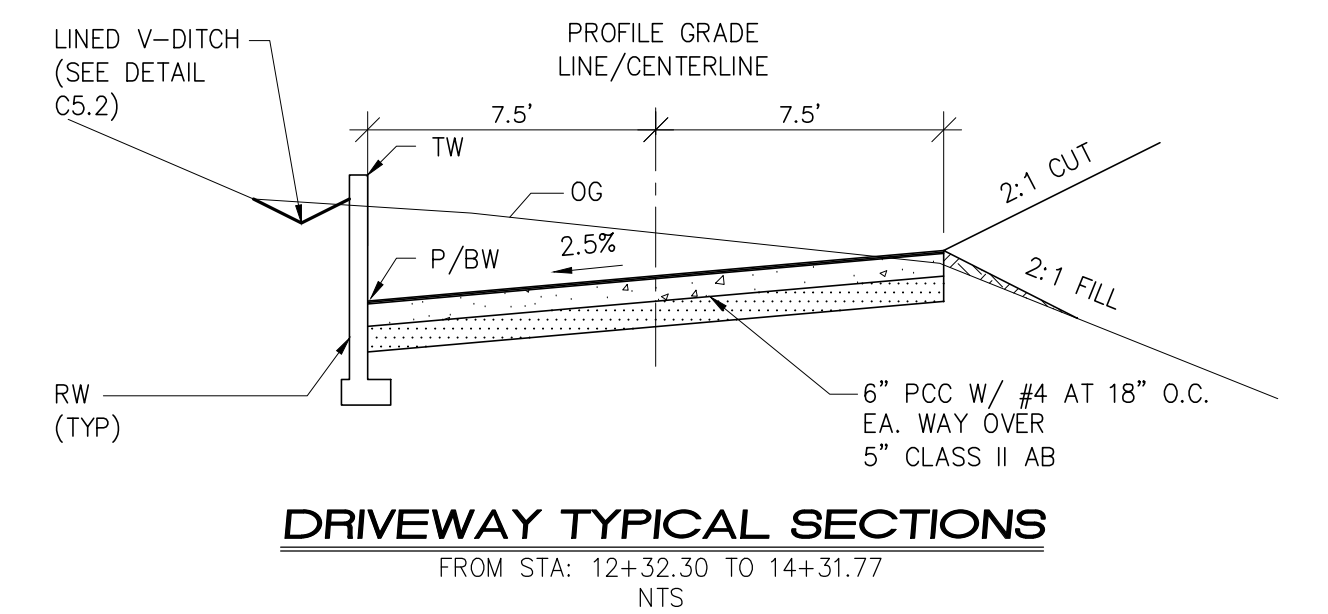
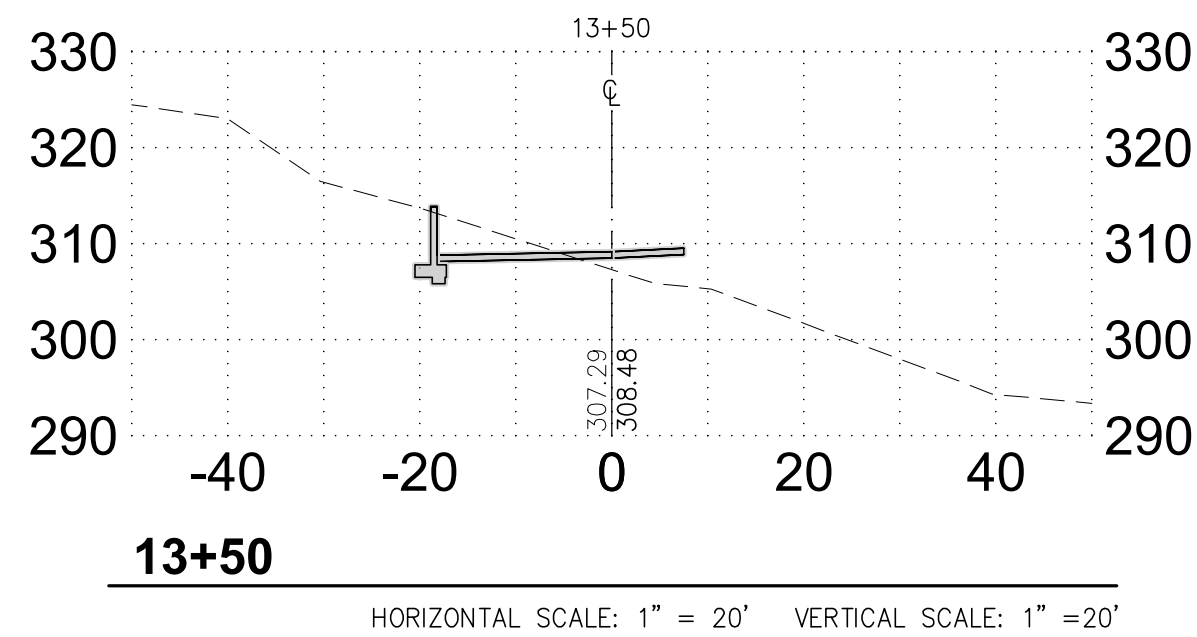
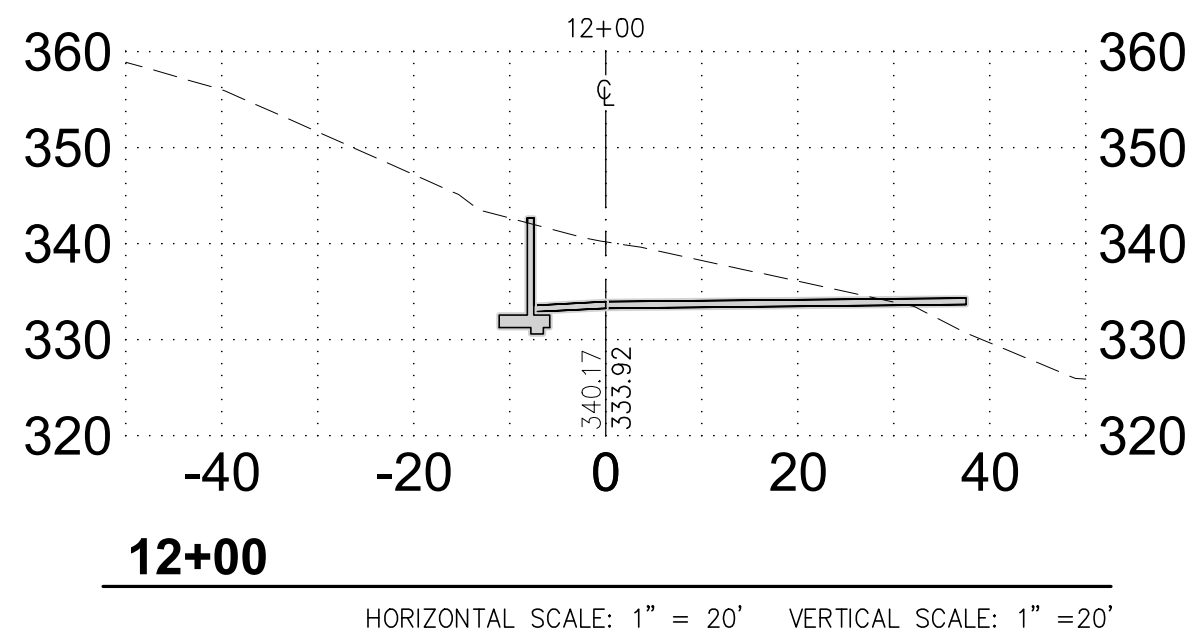
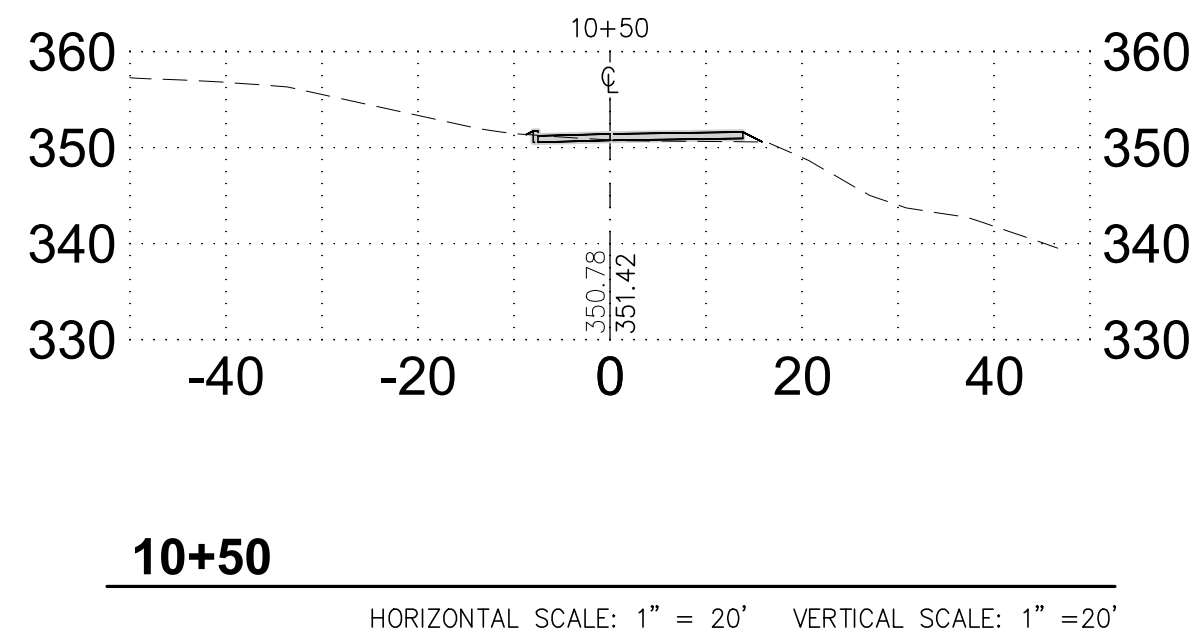
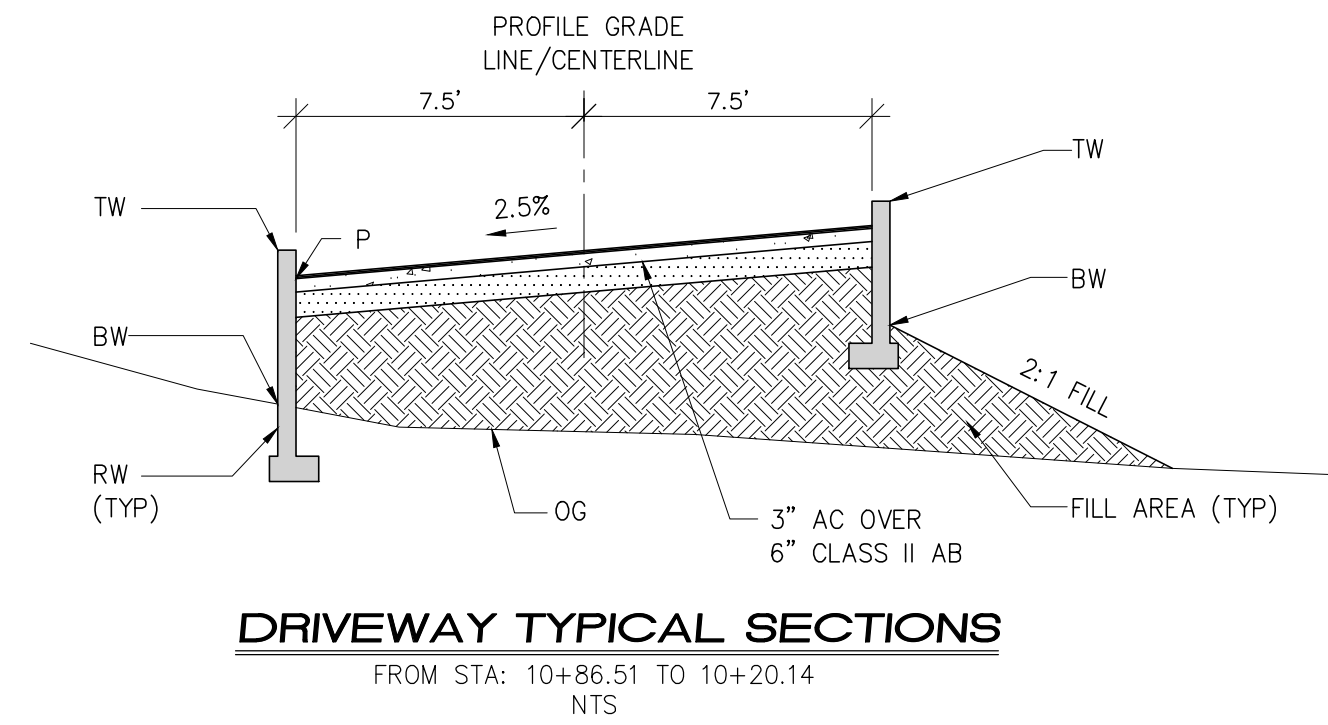
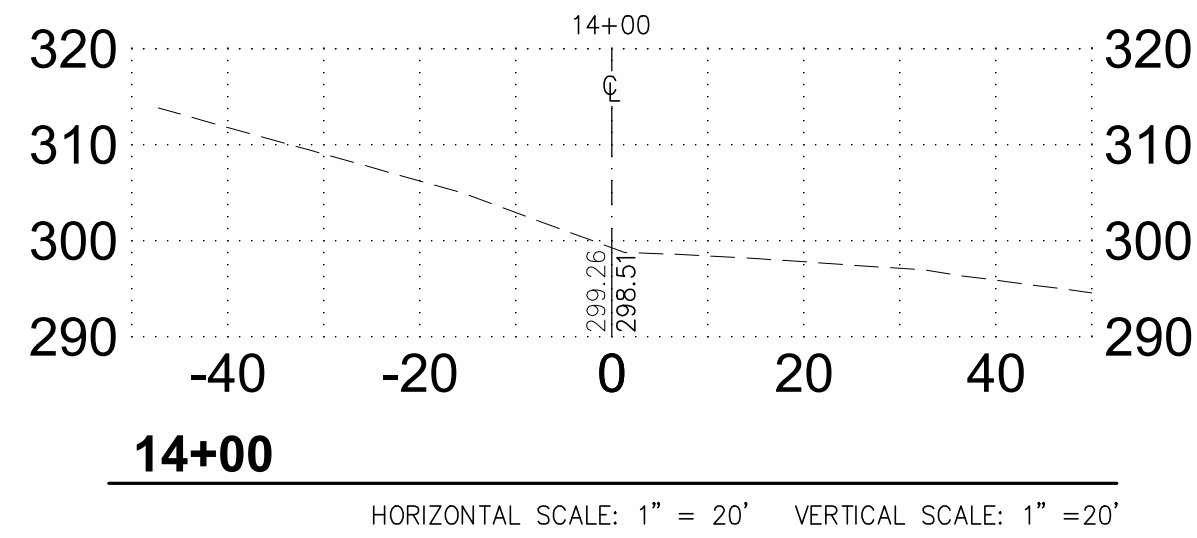
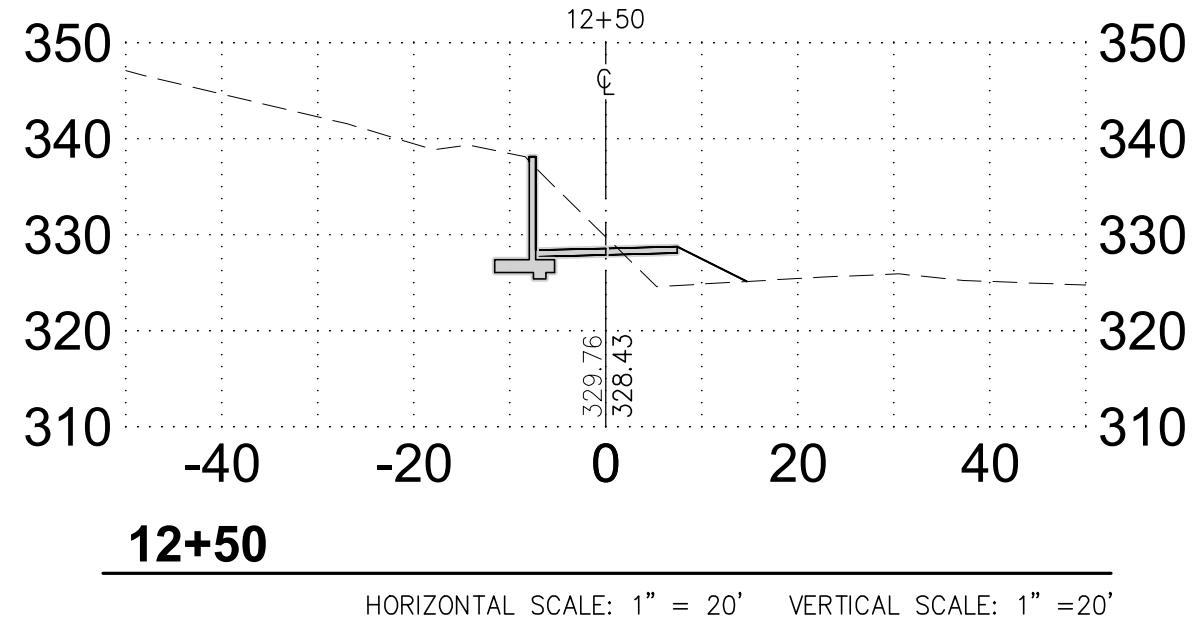
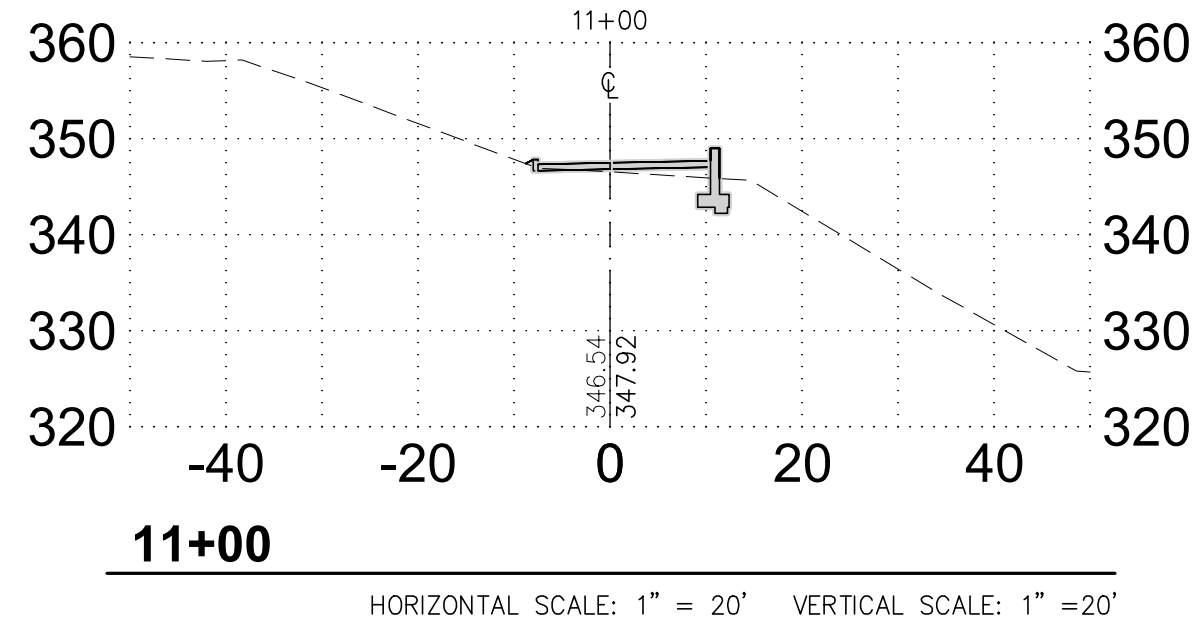
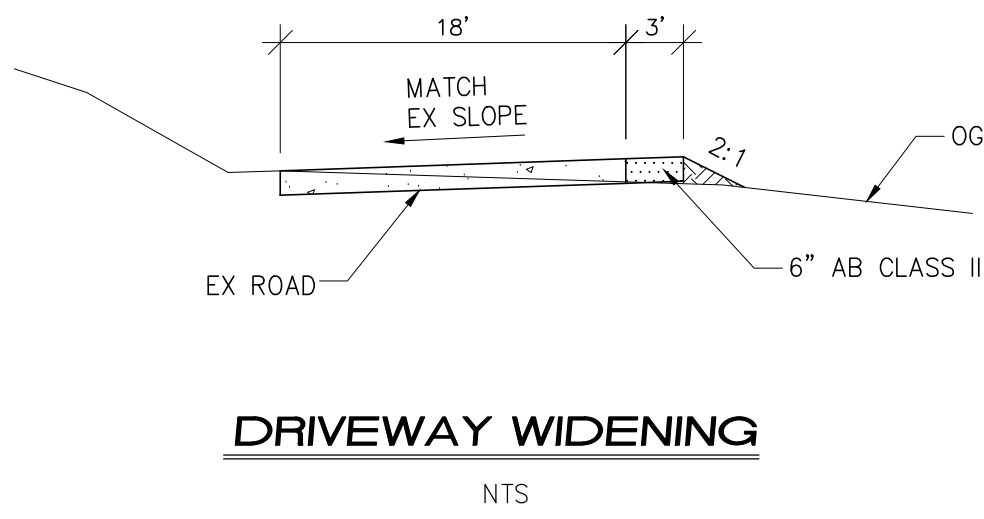
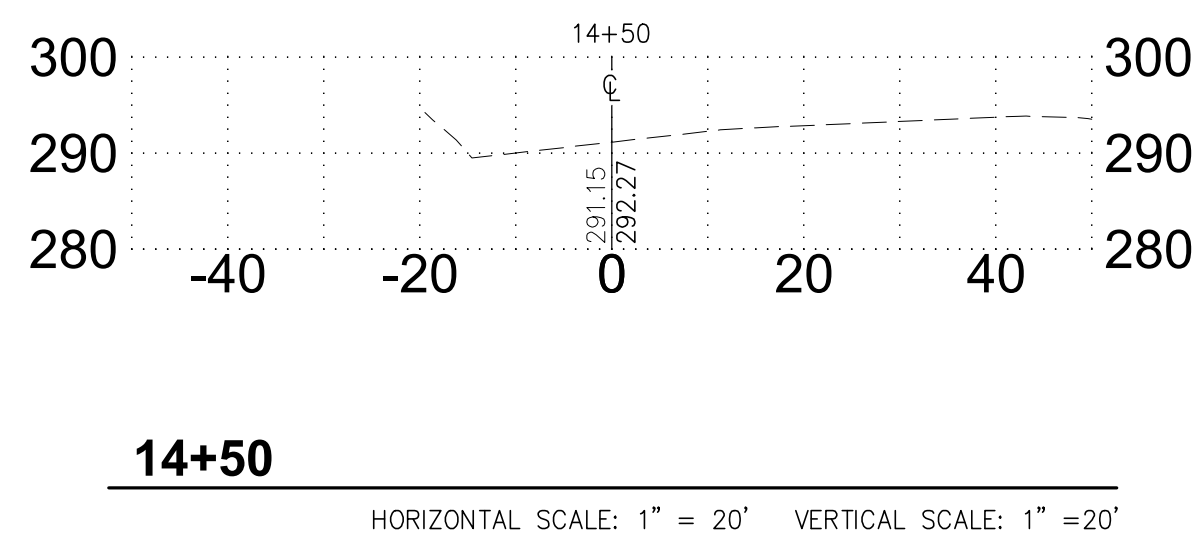
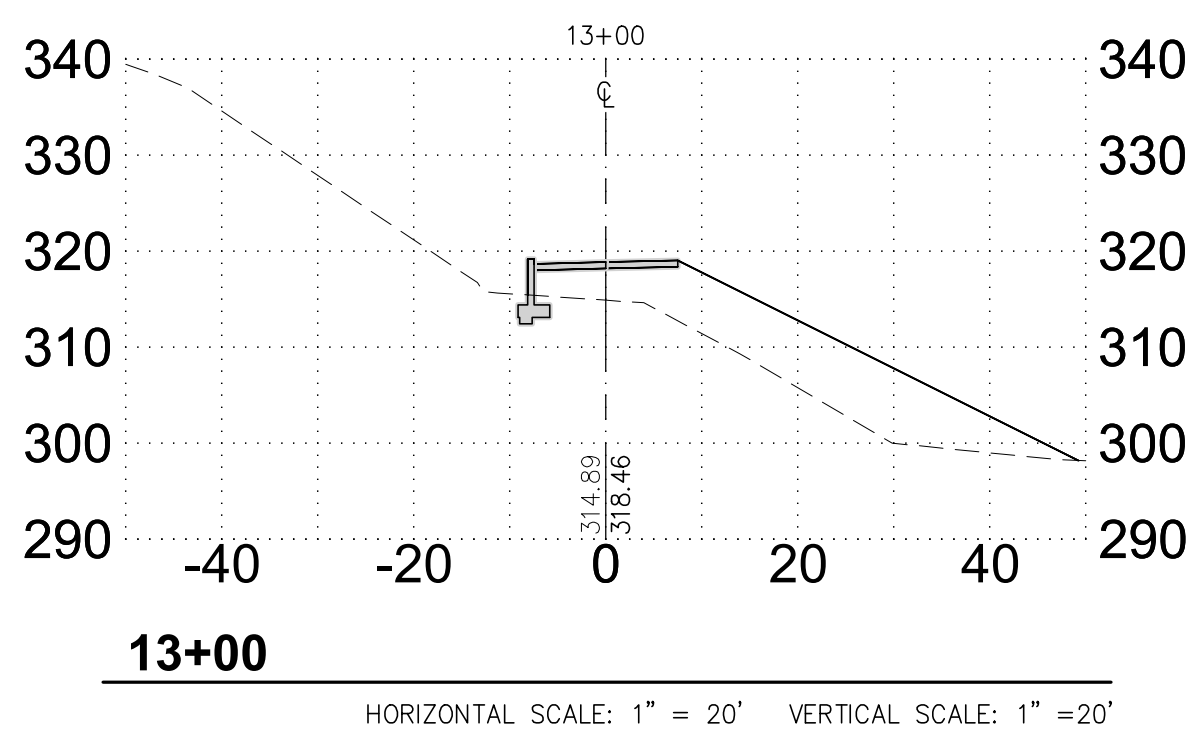
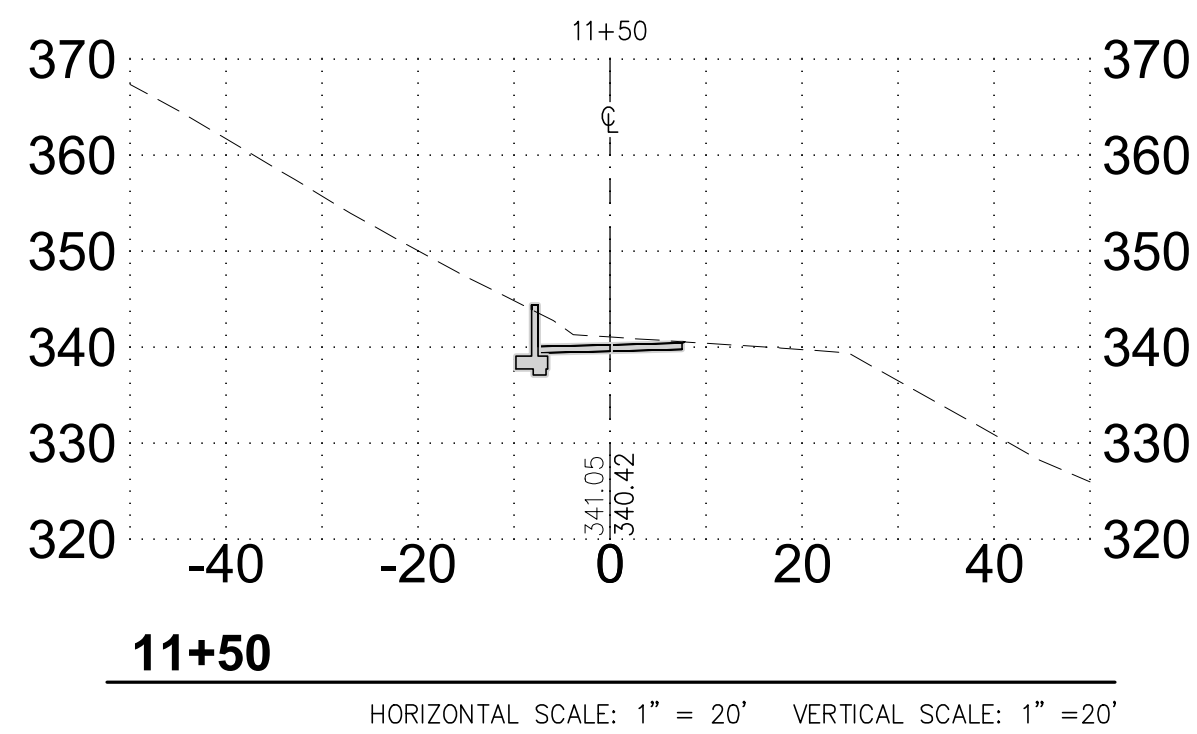
SCALE AS SHOWN

DRAWN	SC/AA
-------	-------

JOB	05-20
-----	-------

SHEET

C4.2



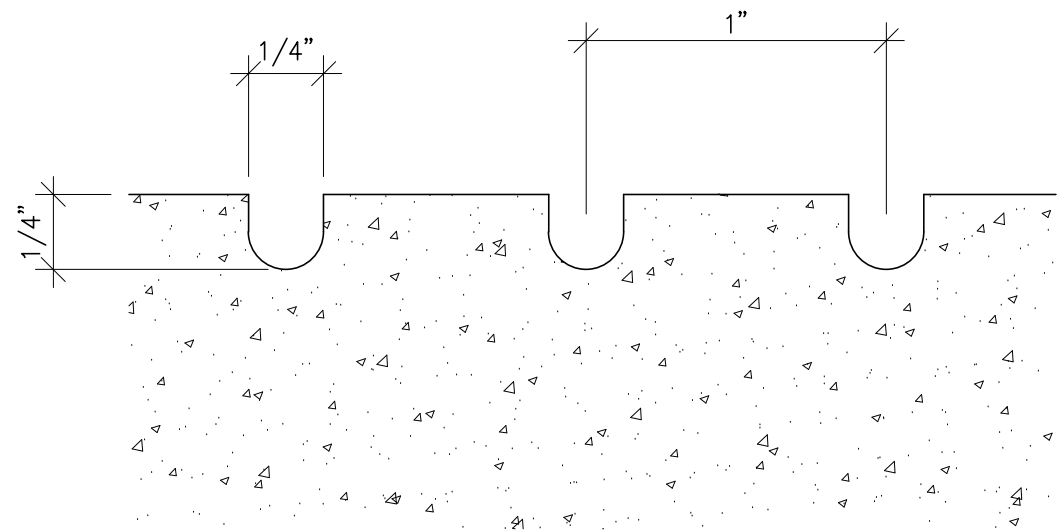
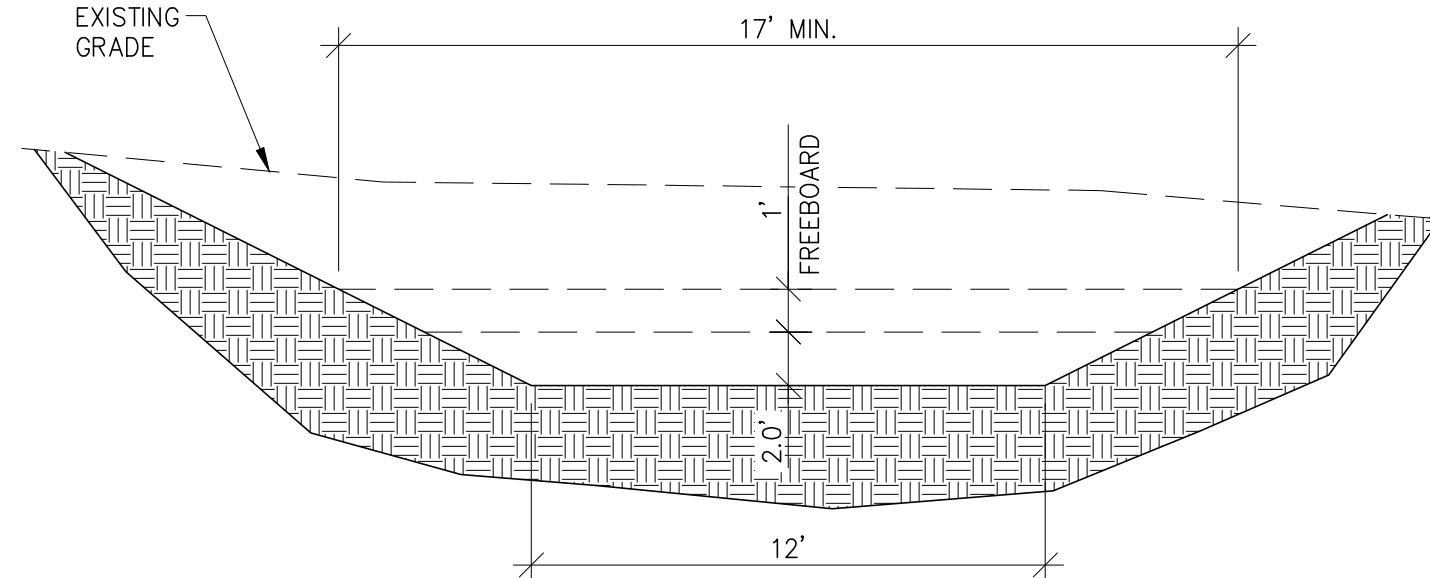
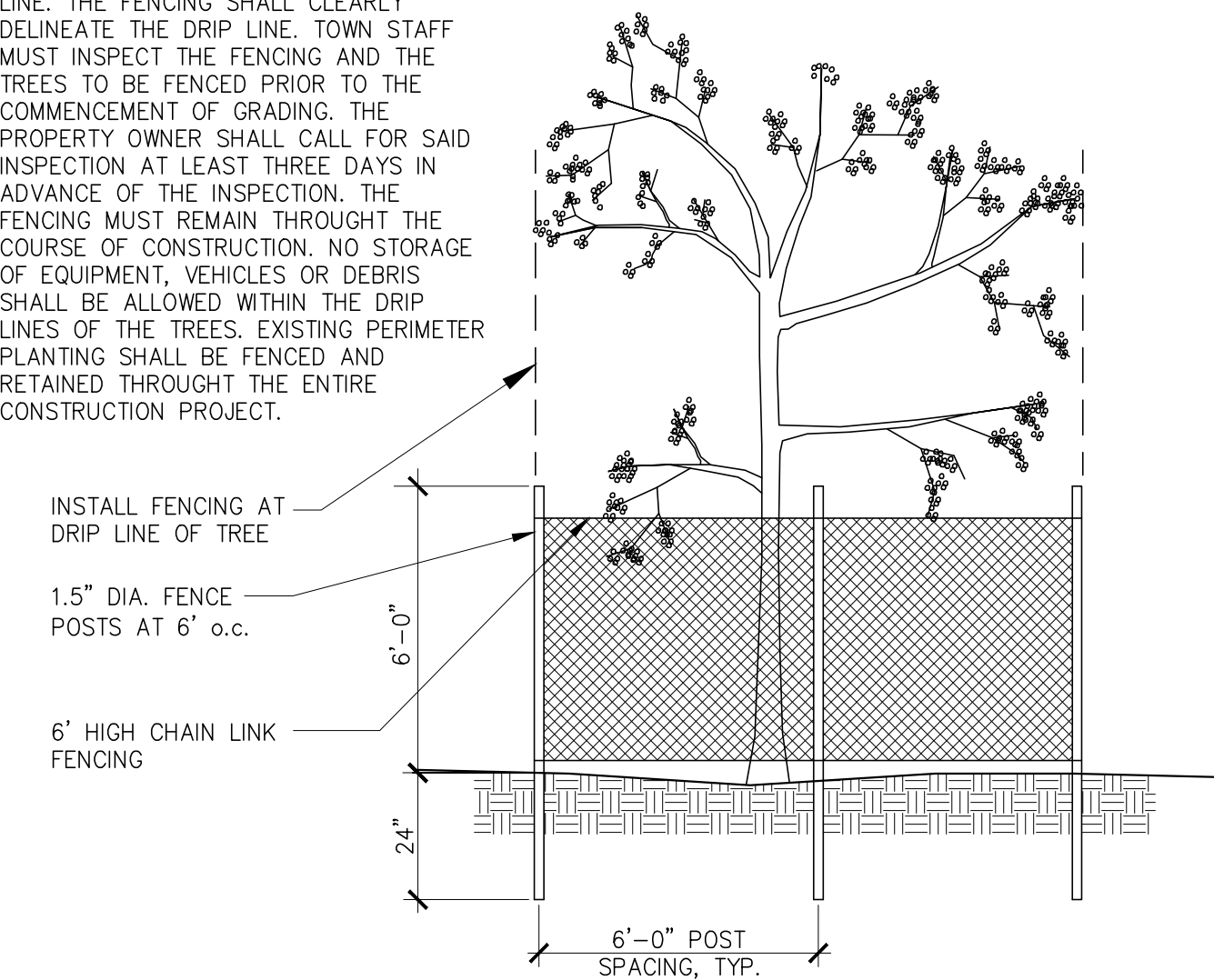
APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.

COUNTY FILE NO.

C5.1

									
10		7		4	DRIVEWAY GROOVING DETAIL	NTS	1	COBBLE ROCK ENERGY DISSIPATOR	NTS
									
11		8		5	RETENTION DETAIL	NTS	2	LINED V-DITCH DETAIL	NTS
TREE PROTECTION NOTE: PRIOR TO ANY GRADING, ALL SIGNIFICANT TREES ARE TO BE FENCED AT THE DRIP LINE. THE FENCING SHALL CLEARLY DELINEATE THE DRIP LINE. TOWN STAFF MUST INSPECT THE FENCING AND THE TREES TO BE FENCED PRIOR TO THE COMMENCEMENT OF GRADING. THE PROPERTY OWNER SHALL CALL FOR SAID INSPECTION AT LEAST THREE DAYS IN ADVANCE OF THE INSPECTION. THE FENCING MUST REMAIN THROUGHOUT THE COURSE OF CONSTRUCTION. NO STORAGE OF EQUIPMENT, VEHICLES OR DEBRIS SHALL BE ALLOWED WITHIN THE DRIP LINES OF THE TREES. EXISTING PERIMETER PLANTING SHALL BE FENCED AND RETAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT. 									
12	TREE PROTECTION DETAIL	9		6			3	ROCK RIPRAP SWALE DETAIL	NTS

APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeaengineering.com
web: www.aeaengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

DETAILS

DATE	February 14, 2020
SCALE	AS SHOWN
DRAWN	SC/AA
JOB	05-20

SHEET

C5.2

Stabilized Construction Entrance/Exit

Crushed aggregate greater than 3" but smaller than 6"

Filter fabric

Original grade

12" Min, unless otherwise specified by a soils engineer

Diagram illustrating a temporary sediment barrier and channelization system. The system is designed to construct a sediment barrier and channelize runoff to a sediment trapping device.

Key components and dimensions shown:

- EXISTING PAVED ROADWAY**: The existing road surface on the left.
- Match Existing Grade**: The starting point of the barrier construction.
- 20' R. Min.**: Minimum right-of-way distance from the roadway.
- Ditch**: The channelized runoff path.
- Construct sediment barrier and channelize runoff to sediment trapping device**: The primary purpose of the system.
- Width as required to accommodate anticipated traffic**: The width of the barrier area.
- Temporary pipe culvert as needed**: A structure to maintain traffic flow under the barrier.
- 50' Min**: Minimum length of the barrier.
- or four times the circumference of the largest construction vehicle tire, whichever is greater**: Alternative dimension for the barrier length.
- PLAN**: The view of the system.
- N**: North arrow indicator.

Velocity Dissipation Devices

* Length per ABAG Design Standards

Silt Fence

Figure 1 is a plan view diagram of a typical silt fence installation. The diagram shows a cross barrier, fabric, and a toe of slope. Key dimensions include a maximum reach of 900 feet and a width of 6 feet. A legend indicates symbols for tamped backfill, slope direction, and flow direction. Details shown include an optional maintenance opening, a wood stake, and an end detail.

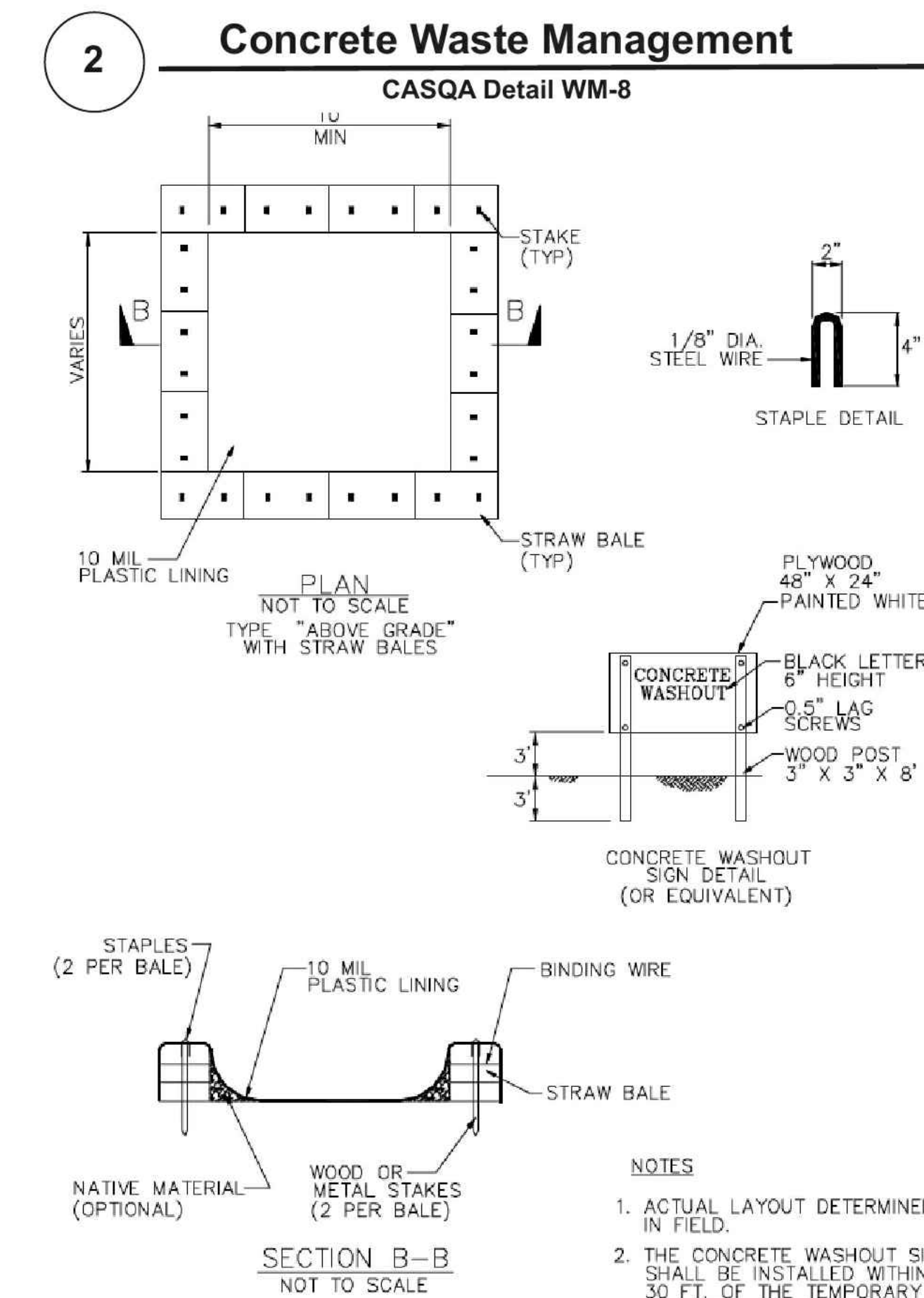
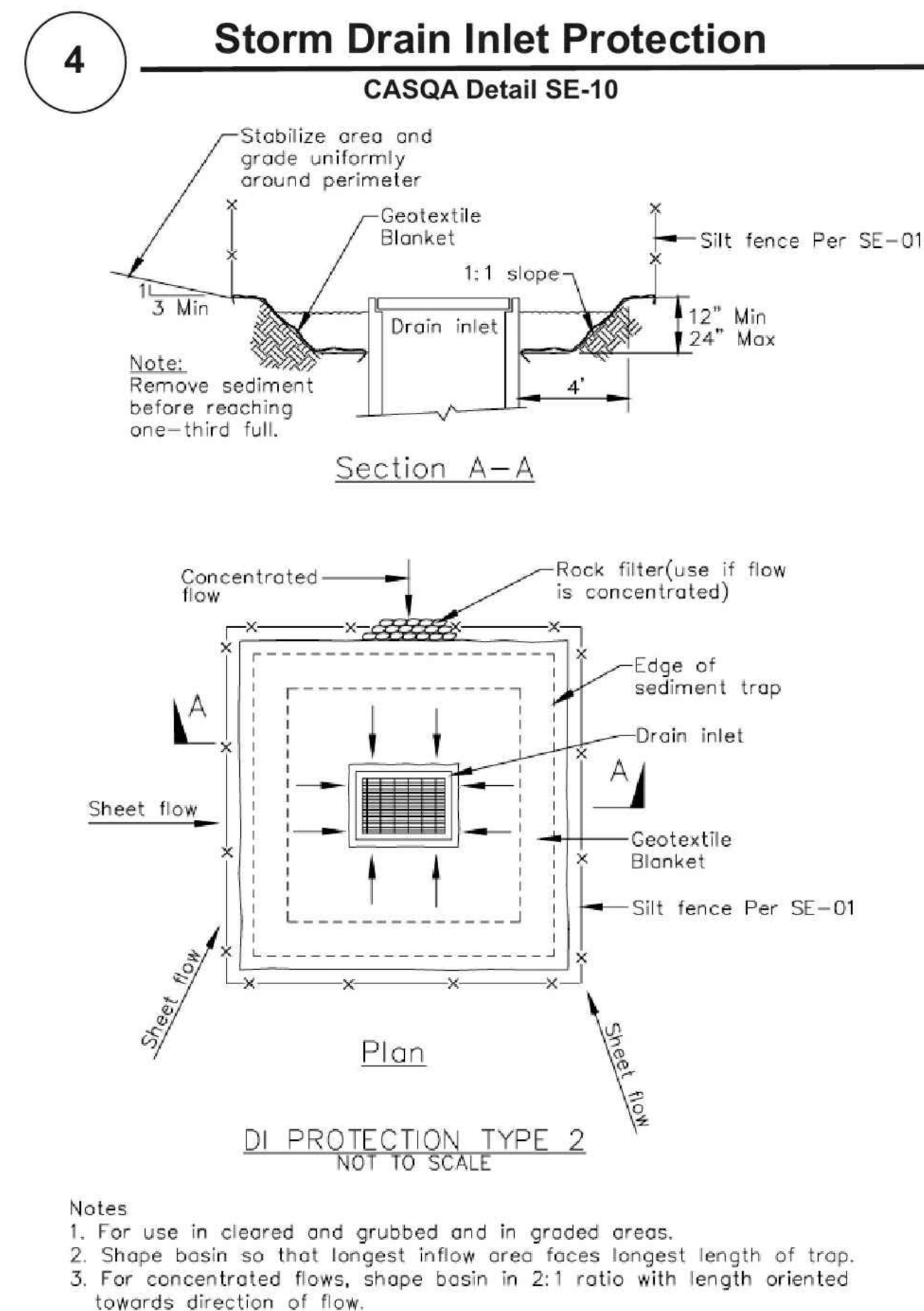
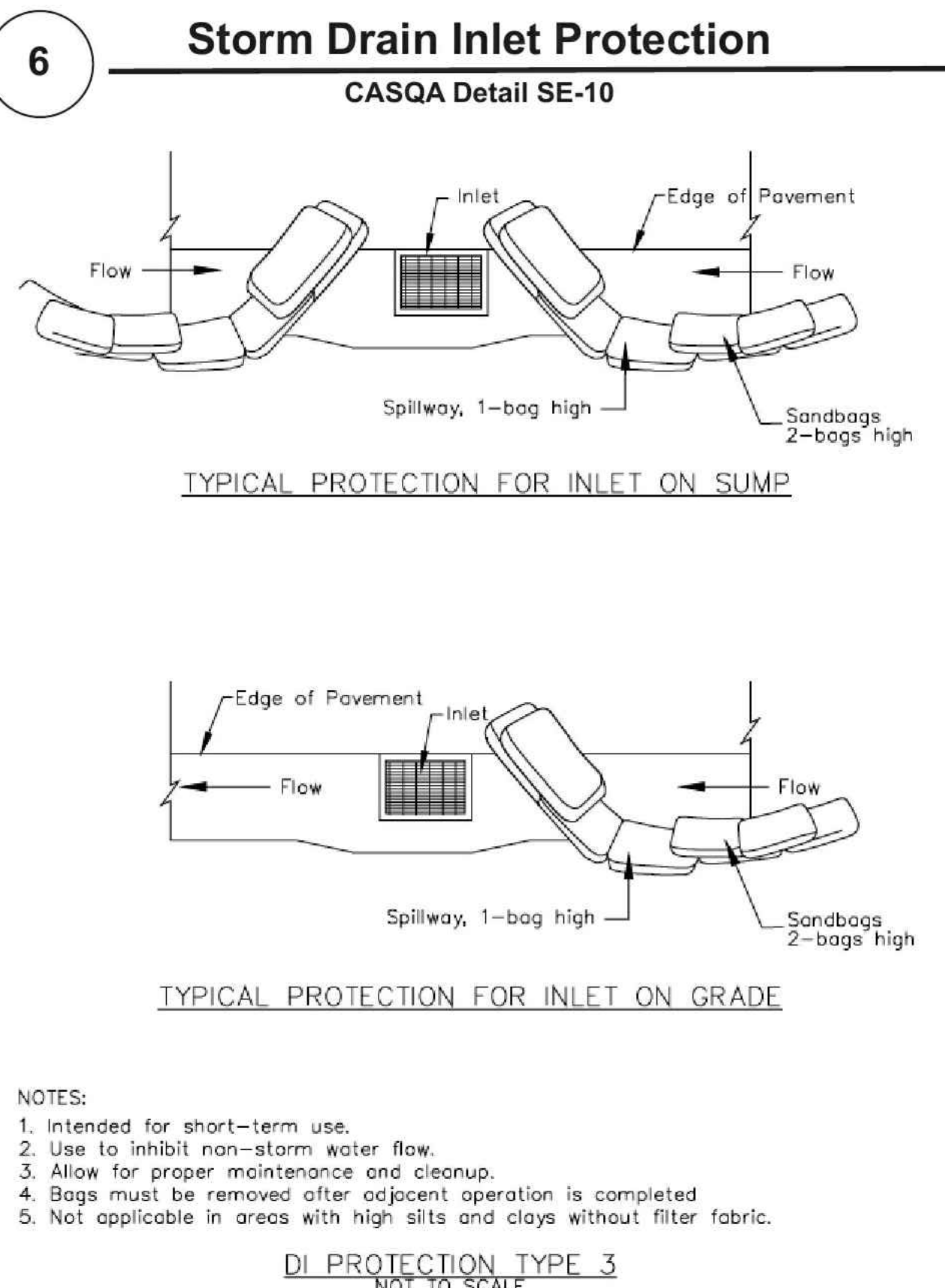
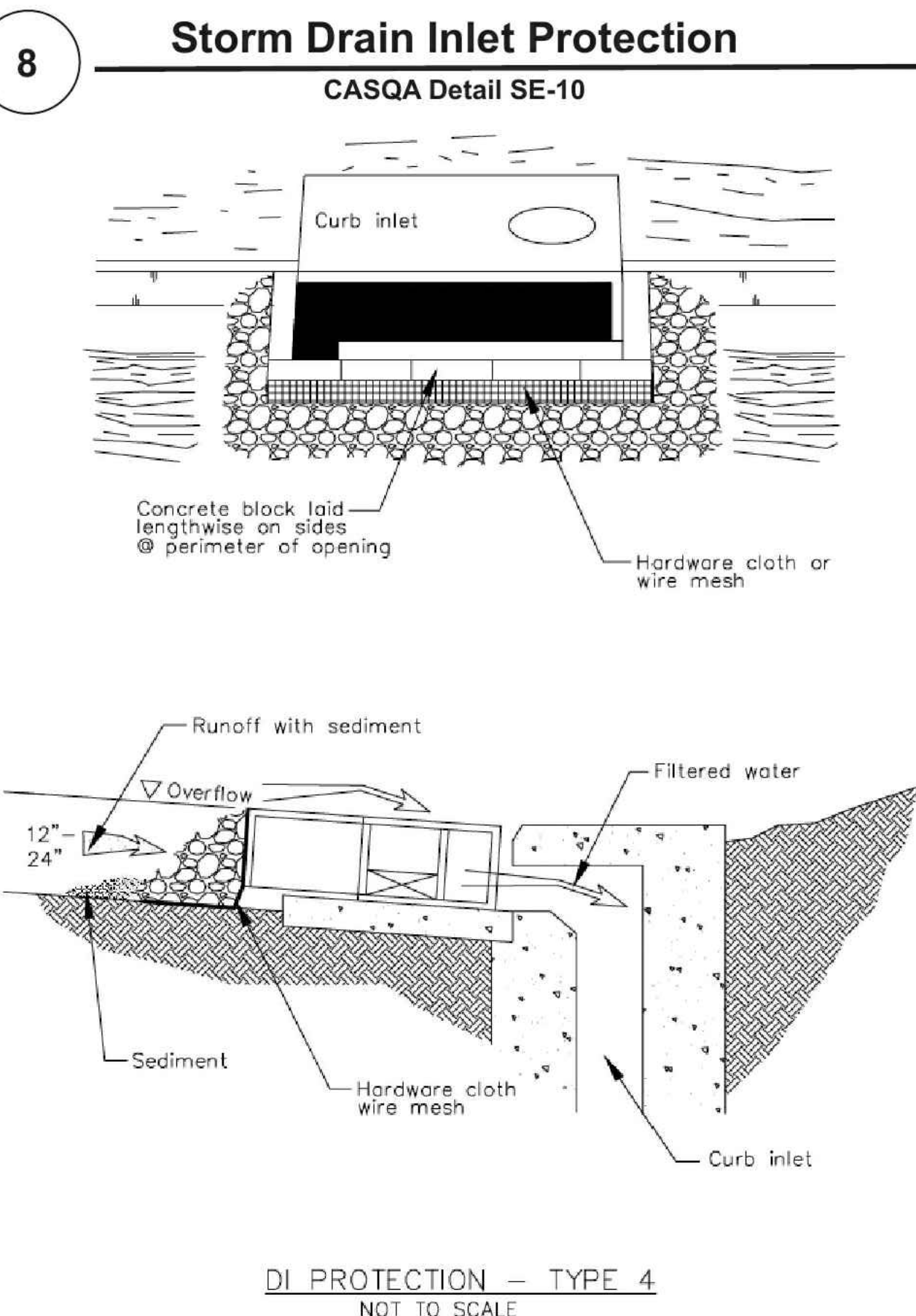
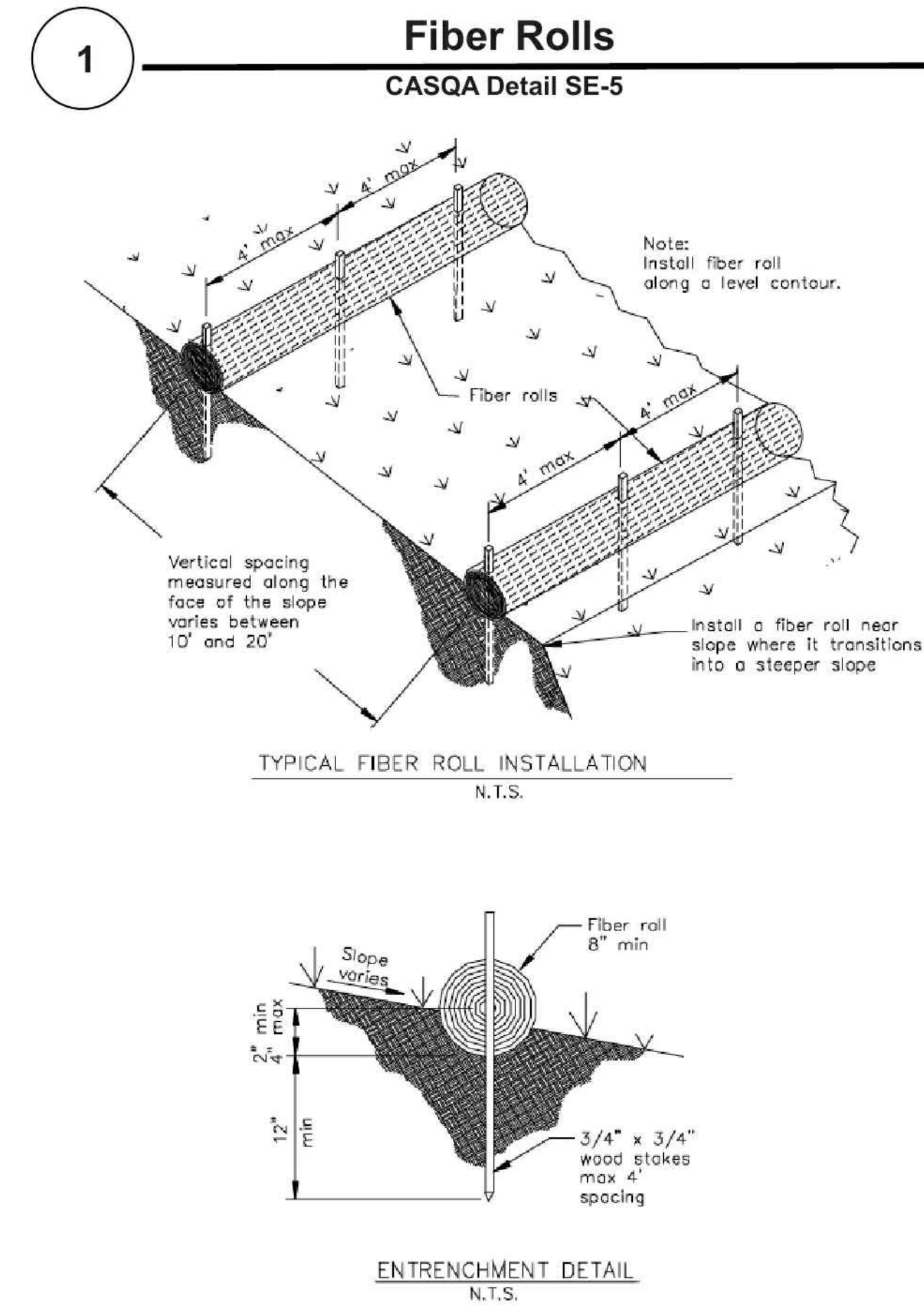
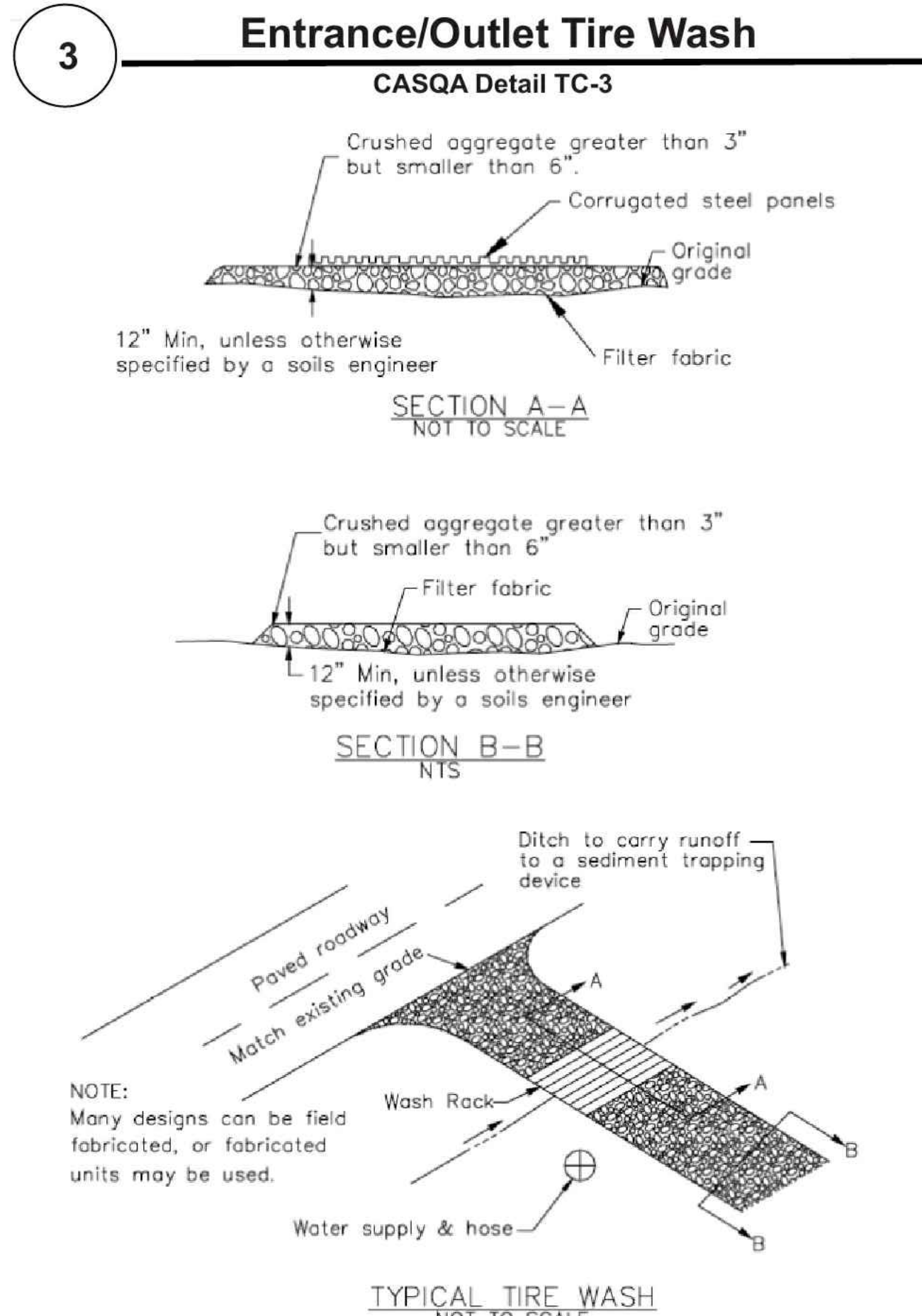
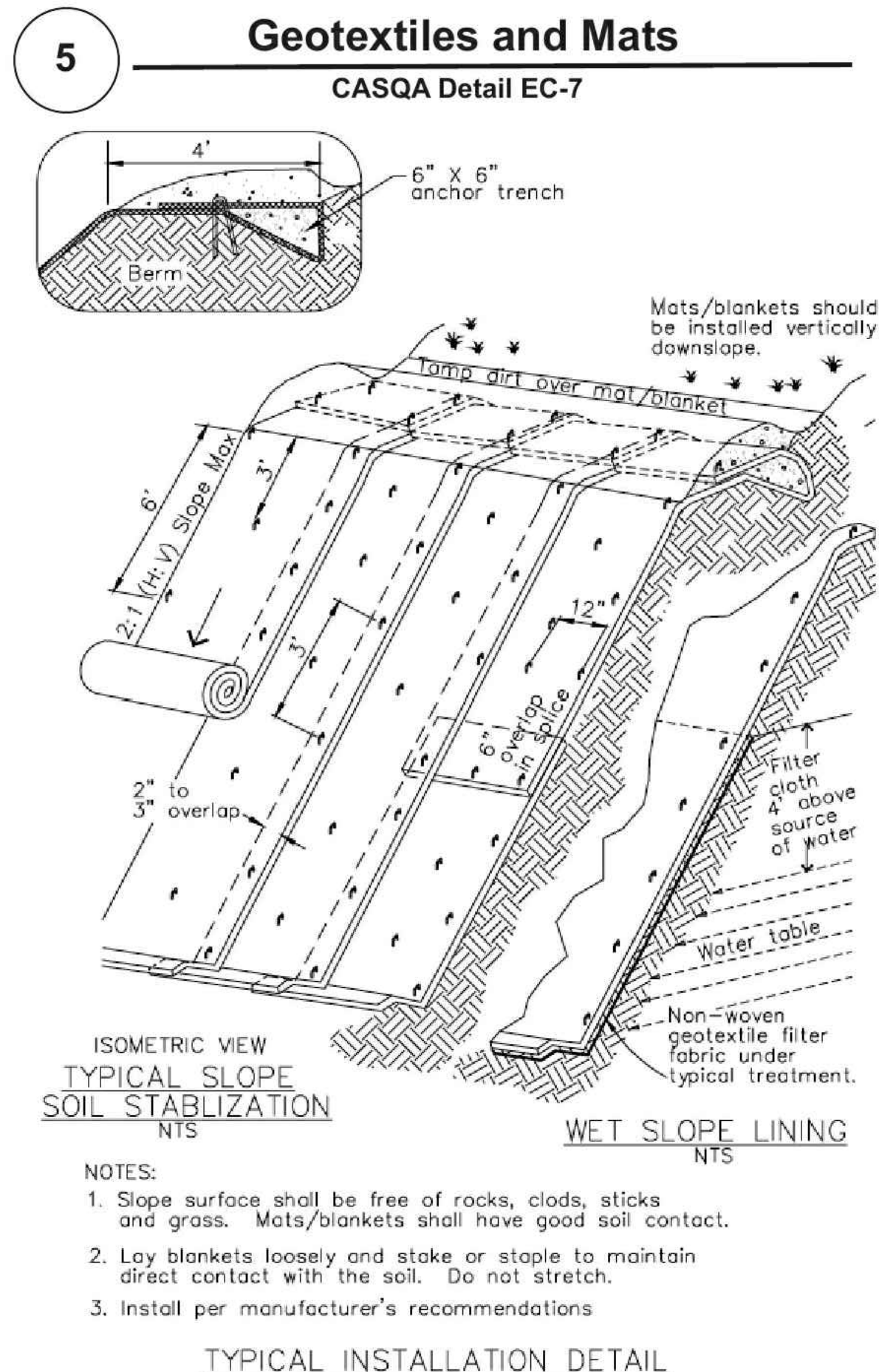
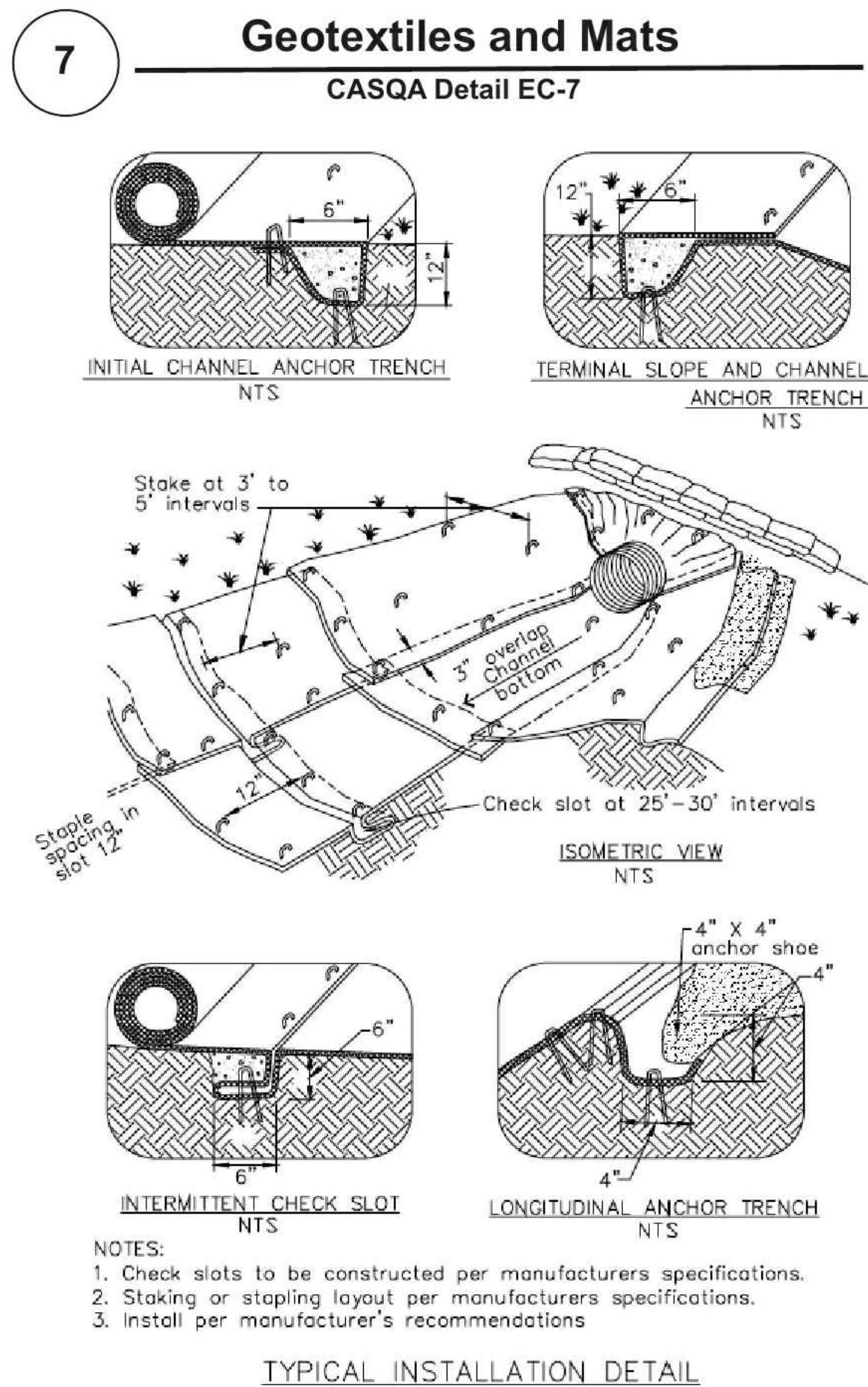
1. Construct the length of each reach so that the change in base elevation along the reach does not exceed $1/3$ the height of the linear barrier, in no case shall the reach length exceed 500'.
2. The last "B"-0" of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary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

Silt Fence

[illegible]

C6.1

COUNTY FILE NO.



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

APPLICANT:

ROAD NAME: OLD SANTA CRUZ HIGHWAY

COUNTY FILE NO.

ARNOLD ENGINEERING
ASSOCIATES, INC.
1255 TREAT BOULEVARD, SUITE 300
WALNUT CREEK, CALIFORNIA 94597
T: 415-786-9622
email: info@aeengineering.com
web: www.aeengineering.com

STAMP



MARK	REVISIONS	DATE
	SUBMITTAL	02/14/20
	SOILS UPDATE	06/25/21

PROJECT TITLE

MILLER-CAUICH RESIDENCE
22045 OLD SANTA CRUZ HWY
LOS GATOS, CA 95033
APN: 558-08-147
(FORMERLY 558-08-111)

SHEET TITLE

EROSION
CONTROL
DETAILS

DATE February 14, 2020

SCALE AS SHOWN

DRAWN SC/AA

JOB 05-20

SHEET

C6.2

