

REVISION NUMBER	REVISION DATE

MILLS YOUNG ENGINEERING

Civil Engineering and Structural Design

241 Sunny Patch Lane
Ben Lomond, CA 95005
(831) 346-8420 www.MillsYoung.com

PROCTOR RESIDENCE

11341 CLAYTON ROAD, SAN JOSE, CA 95127

OWNERS: MR. AND MRS. PROCTOR

APN: 612-37-014

GRADING AND DRAINAGE PLAN

PRELIMINARY. NOT FOR CONSTRUCTION

DATE: 4-2-21

SCALE: 1" = 20'

DRAWN BY: MBM

JOB #: 14010

SHEET: C1

OF 17 SHEETS

W:\MILLSYOUNG\2 Mills Young Engineering\Job Files\2014\14010 Proctor\14010 Drawings\14010 Cl.Dwg, 4/7/2021 4:57:40 PM. USE OR REPRODUCTION WITHOUT PERMISSION PROHIBITED

ABBREVIATIONS					
AB	ANCHOR BOLT	DWG	DRAWING	PLY	PLYWOOD
ABV	ABOVE	DWY	DRIVEWAY	PSF	POUNDS PER SQUARE FT
AC	ASPHALT CONCRETE	(E)	EXISTING	PSI	POUNDS PER SQUARE INCH
ACI	AMERICAN CONCRETE INSTITUTE	ENGR	ENGINEER	PTDF	PRESERVATIVE TREATED DOUGLAS FIR
ALT	ALTERNATE	EVC	END VERTICAL CURVE	RDWD	REDWOOD
APA	AMERICAN PLYWOOD ASSOCIATION	EXT	EXTERIOR	REINF	REINFORCEMENT
ARCH	ARCHITECT	FLR	FLOOR	REQD	REQUIRED
ATR	ALL THREAD ROD	FND	FOUNDATION	ROW	RIGHT OF WAY
BLK(G)	BLOCK(ING)	FOC	FACE OF CONCRETE	RTW	RETAINING WALL
BN	BOUNDARY NAILING	FOS	FACE OF STUD	S.A.D.	SEE ARCHITECTURAL DRAWINGS
BP	BASE PLATE	FRMG	FRAMING	SB	SOLID BLOCKING
BRG	BEARING	FT	FOOT OR FEET	SCHD	SCHEDULE
BVC	BEGIN VERTICAL CURVE	FTG	FOOTING	SF	SQUARE FOOT
BW	BOTTOM OF WALL	GALV	GALVANIZED	SIM	SIMILAR
CB	CATCH BASIN	GL	GLUED LAMINATED	SPEC	SPECIFICATIONS
CBC	CALIFORNIA BUILDING CODE	HD	HOLDOWN	SQ	SQUARE
CL	CENTER LINE	HDR	HEADER	STD	STANDARD
CLG	CEILING	HORIZ	HORIZONTAL	STL	STEEL
CLR	CLEAR, CLEARANCE	HT	HEIGHT	SKYLT	SKYLIGHT
COL	COLUMN	INT	INTERIOR	T&B	TOP AND BOTTOM
CONC	CONCRETE	JST(S)	JOIST(S)	T&G	TONGUE AND GROOVE
CONN	CONNECTION	MB	MACHINE BOLT	TOC	TOP OF CONCRETE
CONT	CONTINUOUS	MI	MALLEABLE IRON	TW	TOP OF WALL
DBL	DOUBLE	MIN	MINIMUM	TYP	TYPICAL
DF	DOUGLAS FIR	(N)	NEW	UBC	UNIFORM BUILDING CODE
DIA	DIAMETER	OC	ON CENTER	UNO	UNLESS NOTED OTHERWISE
DTL	DETAIL	PAF	POWDER ACCTUATED FASTENER		
		PL	PLATE OR PROPERTY LINE		

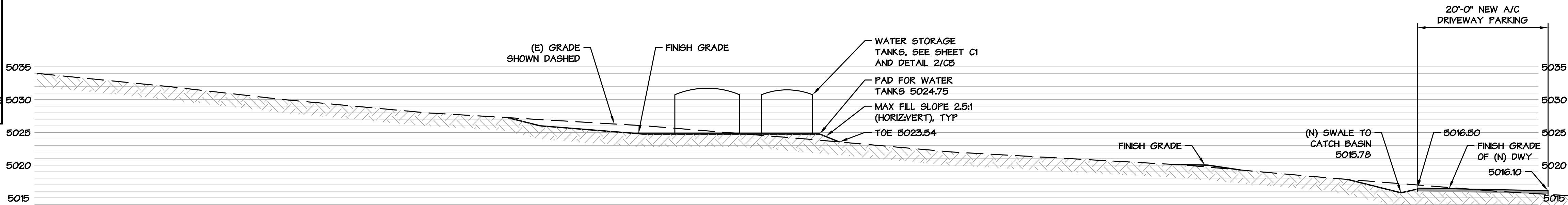
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PERMIT NUMBERING.

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Civil Engineering and Structural Design

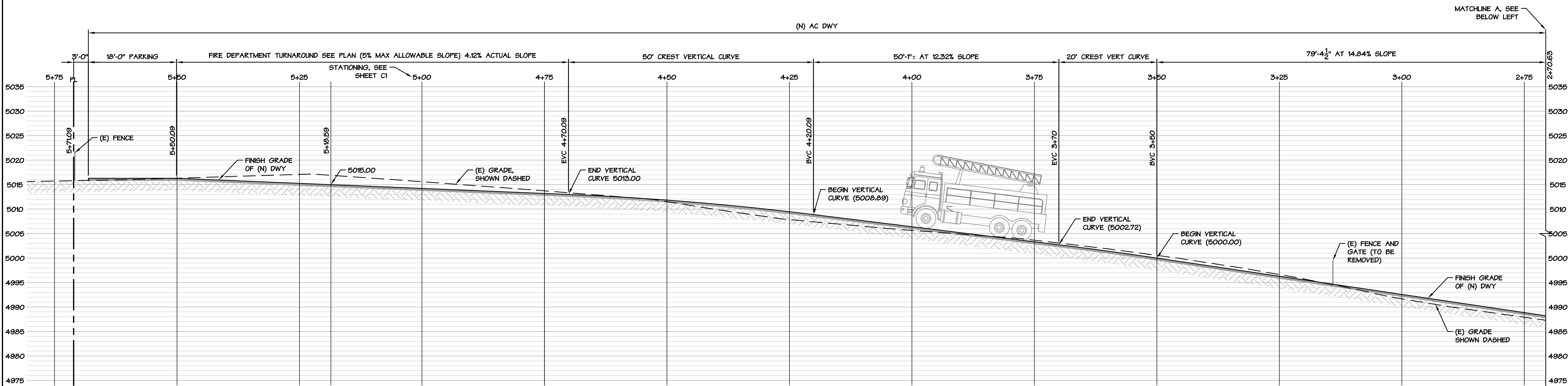
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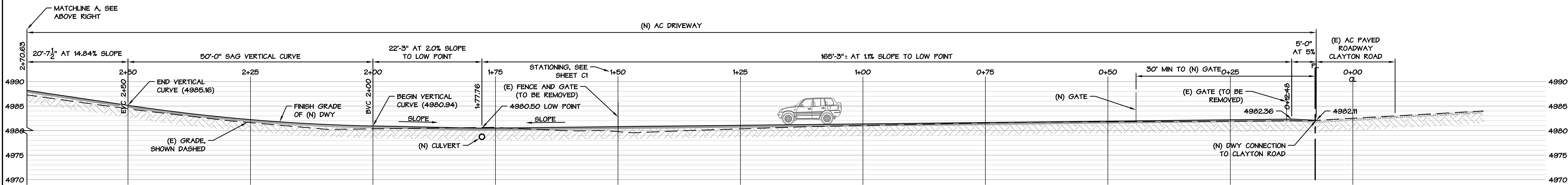
SITE SECTION E-E

SCALE 1"=10'



DRIVEWAY CENTERLINE PROFILE (SECTION A-A)

SCALE 1"=10'



DRIVEWAY CENTERLINE PROFILE (SECTION A-A)

SCALE 1"=10'

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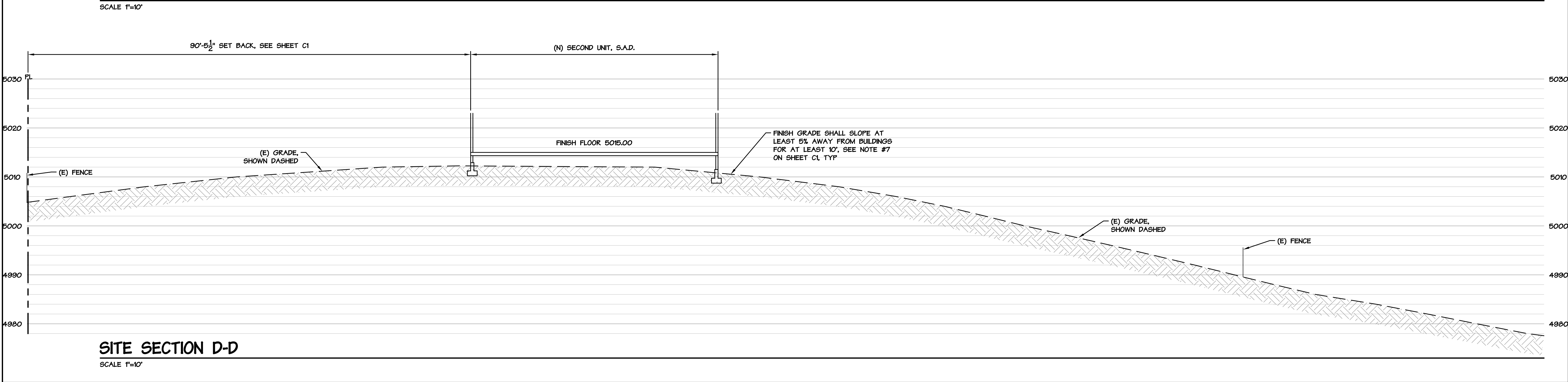
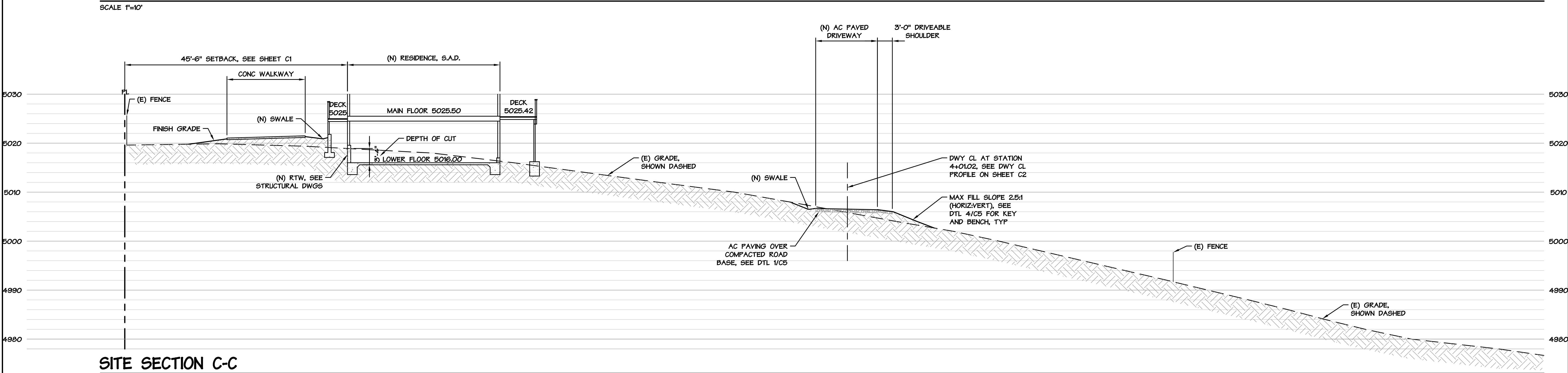
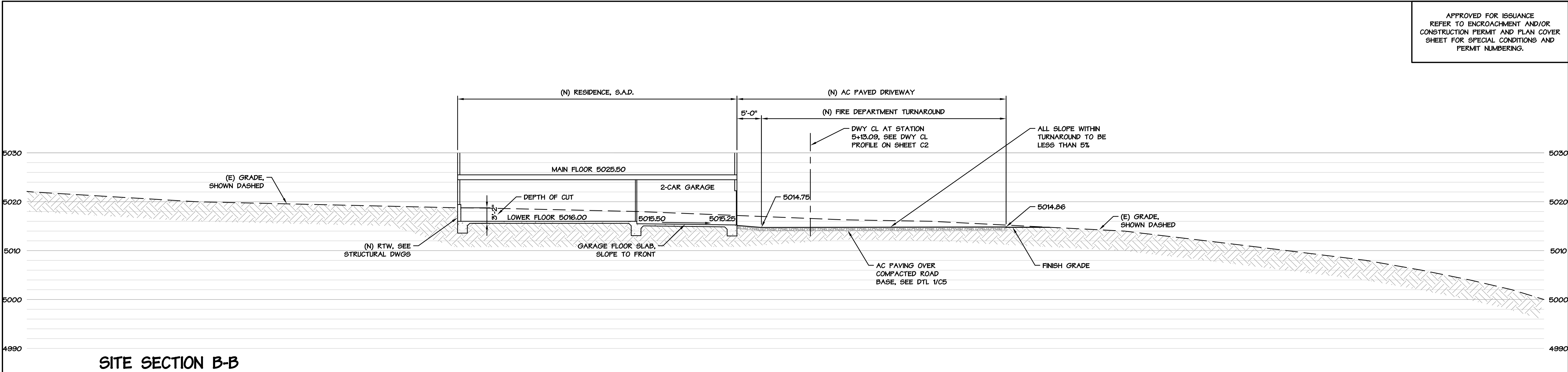
DRIVEWAY CENTERLINE
PROFILE, SITE SECTION

DATE:	4-2-21
SCALE:	1" = 10'
DRAWN BY:	MBM
JOB #:	14010
SHEET:	C2
OF 17 SHEETS	

APPLICANT: MR. & MRS. PROCTOR

ROAD: CLAYTON ROAD

COUNTY FILE NO.: XXXX-XXXX-XXX



APPLICANT: MR. & MRS. PROCTOR

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SITE SECTIONS

DATE: 4-2-21

SCALE: 1" = 10'

DRAWN BY: JAY/MMB

JOB #: 14010

SHEET: C3

OF 17 SHEETS

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COUNTY FILE NO.: XXXX-XXXX-XXX

CIVIL NOTES AND SPECIFICATIONS

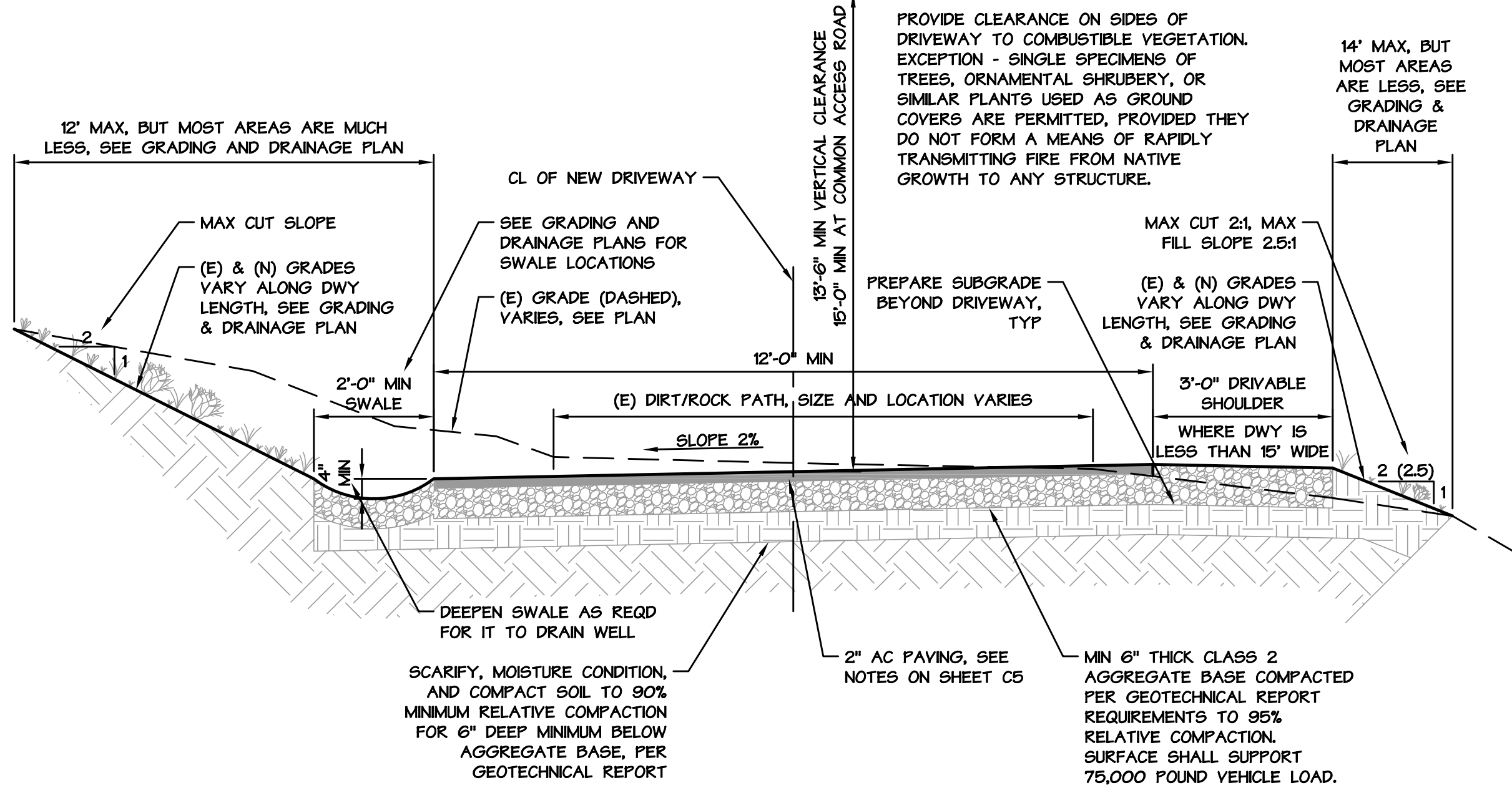
- A. DRIVEWAY
1. CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR THE PREPARATION OF THE DRIVEWAY SUBSURFACE.
 2. ANY EXISTING FILL AT THE DRIVEWAY AREAS SHALL BE SUBEXCAVATED AND RECOMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
 3. SUBGRADE SOIL SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 8 INCHES. THE UPPER 8 INCHES OF SUBGRADE SOIL AS WELL AS THE AGGREGATE BASE MATERIAL SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT RELATIVE COMPACTION.
 4. SUBGRADE PREPARATION SHALL EXTEND 2 FEET BEYOND THE LIMITS OF THE PROPOSED PAVING, WHERE NOT BORDERED BY A RETAINING WALL OR BUILDING FOUNDATION.
 5. AC DRIVEWAY SURFACE SHALL BE UNDERLAIN BY A MINIMUM OF 6 INCHES OF CLASS 2 AGGREGATE BASE.
 6. ASPHALT PAVING SHALL FOLLOW NOTES IN SECTION B BELOW.
 7. DRIVEWAY SHALL BE CONSTRUCTED UP THROUGH THE FIRST LIFT OF ASPHALT AND ACCEPTED BY THE FIRE DEPARTMENT PRIOR TO START OF COMBUSTIBLE CONSTRUCTION. DURING CONSTRUCTION, DRIVEWAY SHALL BE MAINTAINED CLEAR AND UNIMPEDED.

- B. ASPHALT CONCRETE (AC) PAVING
1. ASPHALT CONCRETE SHALL BE TYPE "B" HOT-MIX.
 2. ASPHALT CONCRETE SHALL BE PRODUCED AT A CENTRAL MIXING PLANT FROM COMMERCIAL QUALITY ASPHALT AND AGGREGATES.
 3. AGGREGATE SHALL HAVE A MAXIMUM SIZE OF 1 1/2" AND BE MEDIUM GRADED.
 4. ASPHALT BINDER TO BE MIXED WITH THE AGGREGATE SHALL BE BETWEEN 4 AND 7 PERCENT BY WEIGHT OF THE DRY AGGREGATE.
 5. SPREADING AND COMPACTING SHALL BE PERFORMED BY METHODS THAT WILL PRODUCE A SURFACE WITH UNIFORM SMOOTHNESS, TEXTURE, AND DENSITY.
 6. EXISTING PAVEMENT SHALL BE COATED WITH ASPHALTIC EMULSION AT ALL LOCATIONS WHERE THE NEW PAVEMENT JOINS THE EXISTING.
 7. ASPHALT CONCRETE SHALL ONLY BE PLACED DURING FAIR WEATHER AND WHEN TEMPERATURES ARE WITHIN THE PRESCRIBED LIMITS.

- C. UTILITY NOTES
1. LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE.
 2. ACTUAL LOCATIONS OF EXISTING UTILITIES SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR OR THE CONTRACTOR'S REPRESENTATIVE.
 3. EXISTING UNDERGROUND UTILITIES SHALL BE ADEQUATELY LOCATED PRIOR TO COMMENCEMENT OF ANY EXCAVATION ACTIVITIES ON THE PROJECT SITE.
 4. THE PROPOSED LOCATIONS OF NEW MAIN UTILITY LINES ARE SHOWN SCHEMATICALLY ON THIS PLAN. MINOR LINES FEEDING IRRIGATION AND HOSE BIBS, OR LIGHTING AND OUTLETS, FOR EXAMPLE, ARE NOT SHOWN. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD AND APPROVED BY THE OWNER. SUBSTANTIAL DEVIATION FROM THE LOCATION SHOWN ON THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER FOR REVIEW.
 5. TRENCHING IN THE RIGHT-OF-WAY SHALL CONFORM TO COUNTY OF SANTA CLARA REQUIREMENTS.
 6. BACKFILL UTILITY TRENCHES PER DETAIL 3/C5.
 7. ALL UTILITIES SERVING THE SITE SHALL BE INSTALLED UNDERGROUND.
 8. ALL TREES TO REMAIN, SHALL BE PROTECTED FROM DAMAGE DURING UTILITY PIPELINE INSTALLATION.
 9. ANY TRENCHING WITHIN 5 FEET OF TREE TRUNKS SHALL BE HAND DUG.
 10. EXISTING UNUSED LINES OR PIPES BELOW THE CANOPIES OF TREES SHALL BE ABANDONED AND CUT OFF AT EXISTING SOIL GRADE. THEY SHALL NOT BE DUG UP OR REMOVED.
 11. POTABLE WATER SUPPLY SHALL BE PROTECTED FROM CROSS CONTAMINATION FROM FIRE SPRINKLER WATER SUPPLY, USING A RUBBER FACED SINGLE CHECK VALVE.
 12. DOWNSPOUT DRAINS SHALL NOT BE CONNECTED DIRECTLY TO RETAINING WALL BACKRAIN PIPES. THEY MAY, HOWEVER, END UP AT THE SAME CATCH BASIN.
 13. CLEANOUTS OR CATCH BASINS SHALL BE INSTALLED WITHIN 4' OF ALL JUNCTION POINTS OR 90° BENDS IN DRAINAGE LINES.
 14. FIRE SPRINKLER SYSTEM AND ITS SUPPLY PIPELINES SHALL BE DESIGNED, INSTALLED, AND TESTED BY A PROFESSIONAL FIRE SPRINKLER CONTRACTOR, PER ESTABLISHED INDUSTRY STANDARDS.
 15. TRACER WIRE SHALL BE COPPERHEAD OR APPROVED EQUAL TRACER WIRE AS FOLLOWS:
 - A. WIRE SHALL BE 12 GA. COPPER CLAD STEEL.
 - B. SHALL HAVE A JACKET OR COATING DESIGNED FOR DIRECT BURIAL (NOT THIN).
 - C. COLOR SHALL CONFORM TO THE APWA COLOR STANDARDS.
 - D. TAPE WIRE TO THE PIPE IN THE 3 O'CLOCK POSITION EVERY 8 TO 10 FEET.
 - E. WIRE CONNECTIONS MUST OF A TYPE DESIGNED TO PROTECT FROM MOISTURE AND CORROSION. USE COPPERHEAD SNAKEBITE OR 3M DBR CONNECTORS OR APPROVED EQUAL.
 - F. WIRE SHALL BE TERMINATED ABOVE GROUND WHERE IT CAN BE EASILY ACCESSED.
 - G. WIRE SHALL BE PROTECTED FROM DAMAGE AND TESTED AFTER BACKFILLING ALL TRENCHES.

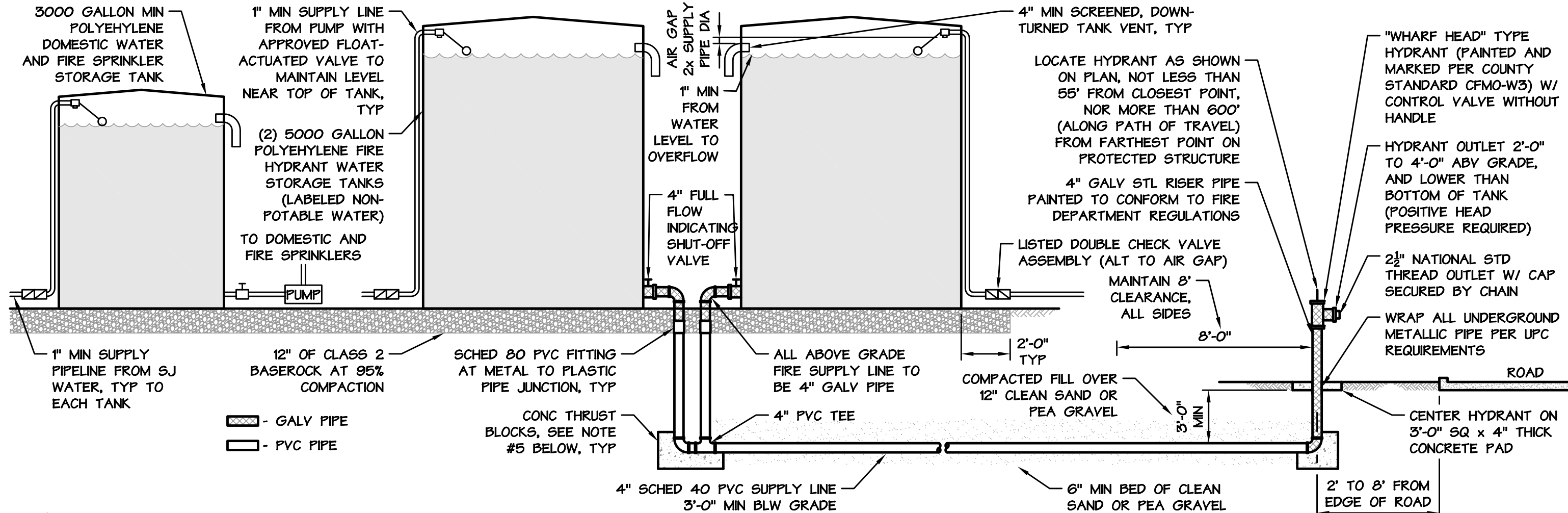
- D. WATERPROOFING
1. ALL REFERENCE TO WATERPROOFING ON THESE PLANS IS FOR GENERAL REFERENCE ONLY AND DOES NOT REPRESENT A COMPLETE WATERPROOFING SYSTEM.
 2. THE CONTRACTOR OR CONTRACTOR'S SUBCONSULTANT SHALL DESIGN A WATERPROOFING SYSTEM THAT IS APPROPRIATE FOR THE GIVEN CONDITIONS.
 3. BY SUBMISSION OF THESE PLANS FOR APPROVAL CLIENT AGREES TO INDEMNIFY MILLS YOUNG ENGINEERING FROM ALL CLAIMS RESULTING FROM, OR IN PART FROM WATER INTRUSION INTO THE STRUCTURE.

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TYPICAL DRIVEWAY SECTION (WITH DRIVABLE SHOULDER)

1
C5

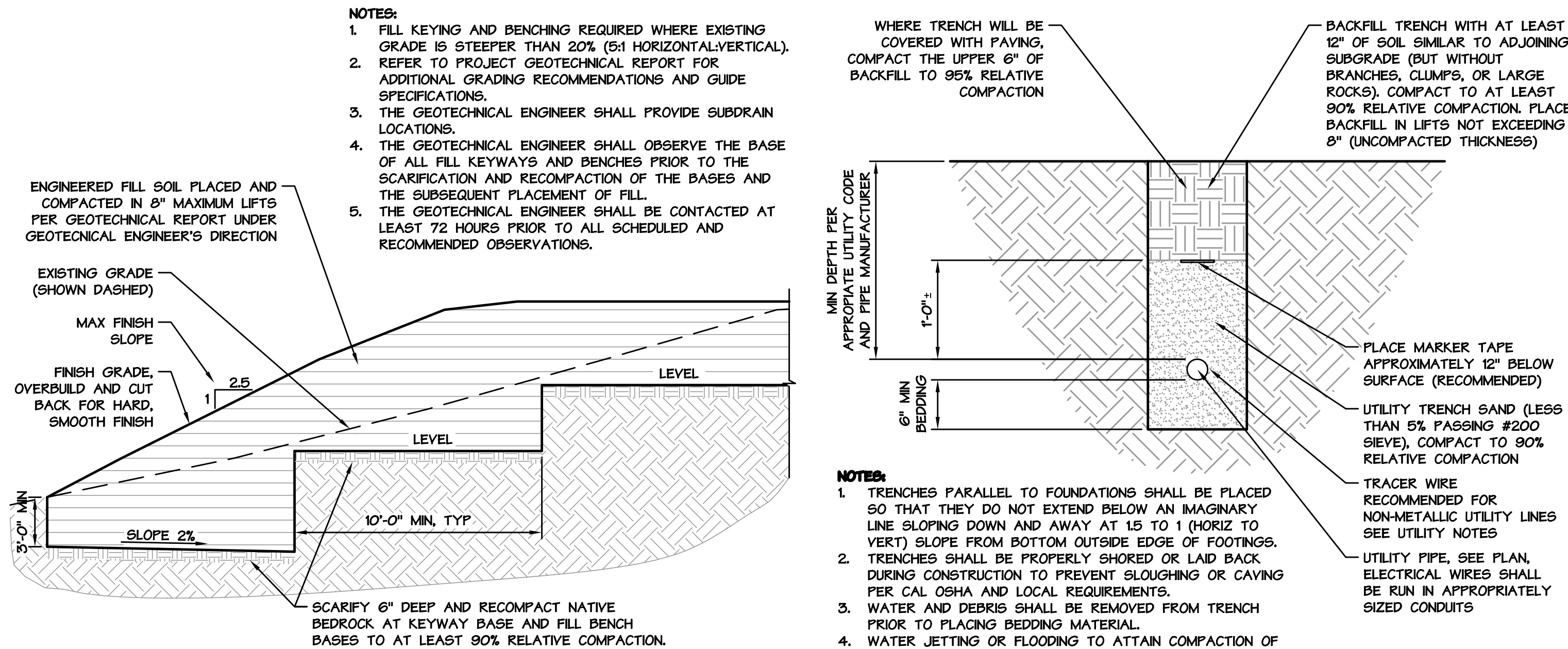


NOTES:

1. ALL UNDERGROUND PIPING SHALL BE HYDROSTATICALLY TESTED WITH WATER IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNIFORM PLUMBING CODE (UPC) (NOT LESS THAN MIN DESIGN WORKING PRESSURE FOR 15 MINUTES) AND SHALL BE INSPECTED BY THE FIRE DEPARTMENT PRIOR TO BEING COVERED.
2. UNDERGROUND PIPE SHALL BE FLUSHED WITH WATER AT THE MINIMUM DESIGN PRESSURE UNTIL THE WATER RUNS CLEAR, ENSURING THAT THE LINE IS FREE OF CONTAMINATION BEFORE UNDERGROUND PIPE IS CONNECTED TO THE HYDRANT RISER.
3. IF THE UNDERGROUND PIPE IS NOT GOING TO BE CONNECTED TO THE RISER IMMEDIATELY, IT SHALL BE SECURED WITH A THREADED CAP.
4. PROVIDE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING AT TIME OF TEST.
5. THRUST BLOCK AT EVERY CHANGE IN PIPE DIRECTION. 12"x12"x12" BLOCK OF 2500 PSI CONCRETE.
6. AN INSPECTION BY THE FIRE MARSHAL'S OFFICE IS REQUIRED PER COUNTY STANDARD CFM0-W4.

WATER STORAGE TANKS AND WHARF HYDRANT

2
C5



FILL KEY AND BENCH

4
C5

UTILITY TRENCH AND BACKFILL

3
C5

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CIVIL DETAILS, NOTES
AND SPECIFICATIONS

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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 AN ASSOCIATED TERRA CONSULTANTS AND DATED OCTOBER 3, 2015. 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 FOLDER 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 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 (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 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. ANY DEVIATION FROM THESE PLANS SHALL BE 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 OFFSETS 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 BE DONE. ANY WORK 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.

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.

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, IT SHALL BE STRIPPED OF ALL VEGETATION. TO ACHIEVE A PROPER BOND WITH THE FILL MATERIAL, THE SURFACE OF THE GROUND SHALL BE GRUBBED 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) THIN 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 - CUBIC YARDS (CY)					
LOCATION	CUT (C.Y.)	FILL (C.Y.)	NET CUT	VERT. DEPTH	
MAIN RESIDENCE	159	0	159	6'-0" MAX	
2ND DWELLING UNIT	16	0	16	1'-3" MAX	
DETACHED GARAGE	0	0	0		
HARDSCAPE	29	44	15	2'-0" MAX	
LANDSCAPE	0	0	0	NONE	
ON SITE DRIVEWAY	321	269	52	2'-6" MAX	
OFF SITE IMPVIMENTS	0	0	0	NONE	
TOTAL	525	313	212 CY NET CUT EXPORT NO FILL SOIL IMPORTED		

- 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 INSURANCE.
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 SHALL BE COMPLETED BY APRIL 15TH IS AT THE DISCRETION OF THE SANTA CLARA COUNTY GRADING OFFICIAL.
14. TOTAL DISTURBED AREA FOR PROJECT 41,424 SQ. FT. (0.95 ACRES) SEE SHEET C1 FOR MORE DETAIL.
15. VOID NO. _____ NOT VERIFIED 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.

NOTES ON EARTHWORK SUMMARY ABOVE

GRADING QUANTITY ESTIMATES DO NOT INCLUDE STRIPPING OF SURFACE MATERIALS, MATERIAL REMOVED FOR FOUNDATION FOOTINGS OR PIERS, OR UTILITY TRENCHES, WHICH MAY BE REQUIRED.

THIS ESTIMATE INCLUDES A 10% COMPACTION FACTOR ON FILL AND 0% EXPANSION FACTOR ON CUT SOIL.

THESE QUANTITIES ARE ESTIMATES GENERATED FOR PLANNING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE ACTUAL VOLUMES ANTICIPATED, FOR BID AND SCHEDULE PURPOSES.

TREE PROTECTION

1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF THE DEVELOPMENT, THE TREE PRESERVATION 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 THE PLANS FOR THE PROJECT OR HIS SUCCESSOR.
- 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. 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 FOR GAS, ELECTRICAL, GAS, SEWER, WATER, RETAINING WALLS, DRIVEWAY APPROACHES, FENCES, LANDSCAPING, TREE REMOVAL, STORM DRAINAGE IMPROVEMENTS, ETC..

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

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. PLE, 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. POST A SIGN THAT IS AT LEAST 32 SQUARE FEET MINIMUM 2 INCHES LETTER HEIGHT VISIBLE FROM 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 SDB.
13. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE & OUTFALL EROSION CONTROLS E.G. SACKED 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 RESEEDD 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 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 WATERS 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 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 SHUT OUT THE PLANS FOR THE PROJECT 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 CASH12008 / ORDER NO. R2-2009-0047 AND NPDES PERMIT CAS000004 / ORDER NO. 2013-0001-0000.
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%. SEPARATE DROPS SHALL BE SET AT 500' ALONG 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.

STREET LIGHTING

1. PACIFIC GAS & ELECTRIC ELECTROLEUR 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.

AS-BUILT PLANS STATEMENT

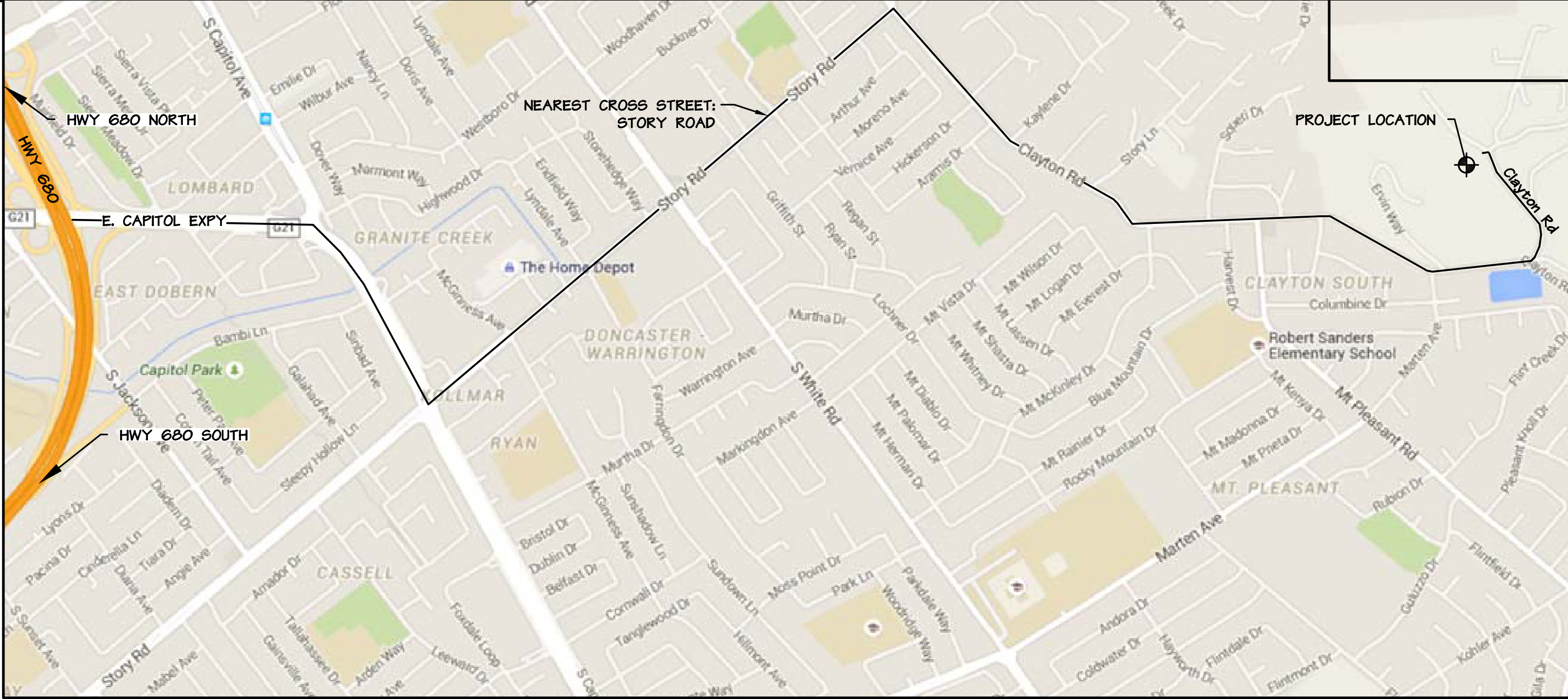
THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (____ WERE) (____ WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (*). THERE (____ WERE) (____ WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL Δ.

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.

GEOTECHNICAL ENGINEER OBSERVATION

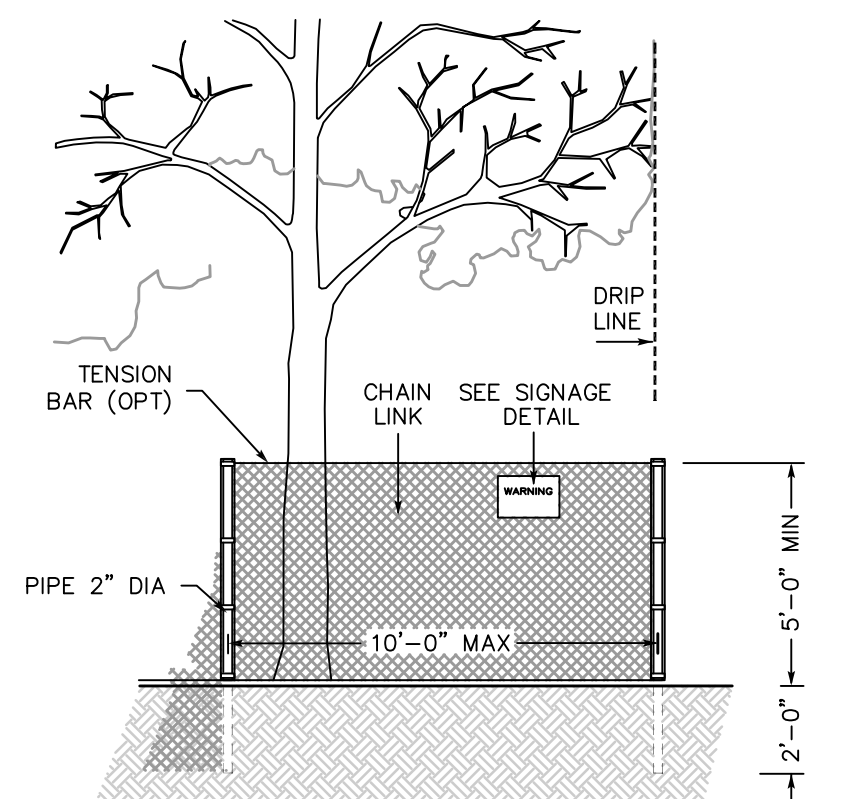
1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING COMPLETION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



SCOPE OF WORK

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.

1. CONSTRUCTION OF A NEW 568' LONG, 12' WIDE DRIVEWAY FROM CLAYTON ROAD.
2. CONSTRUCTION OF A 2559 SQ FT MAIN RESIDENCE WITH ATTACHED 530 SQ FT GARAGE, AND A 1200 SQ FT SECOND UNIT.
3. CONSTRUCTION OF TWO 347 LINEAL FT LEACHFIELDS, TOTALLING 694 LINEAL FT.
4. NEW UTILITY CONNECTIONS FOR WATER, ELECTRICITY, AND INTERNET, ROUTED ALONG NEW DRIVEWAY.



EXISTING TREE PROTECTION DETAILS

1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE INSTALLED AND SPACED NOT MORE THAN 10 FEET APART 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.

APPROVED FOR ISSUANCE
REFER TO ENCROACHMENT AND/OR
CONSTRUCTION PERMIT AND PLAN COVER
SHEET FOR SPECIAL CONDITIONS AND
PERMIT NUMBERING.

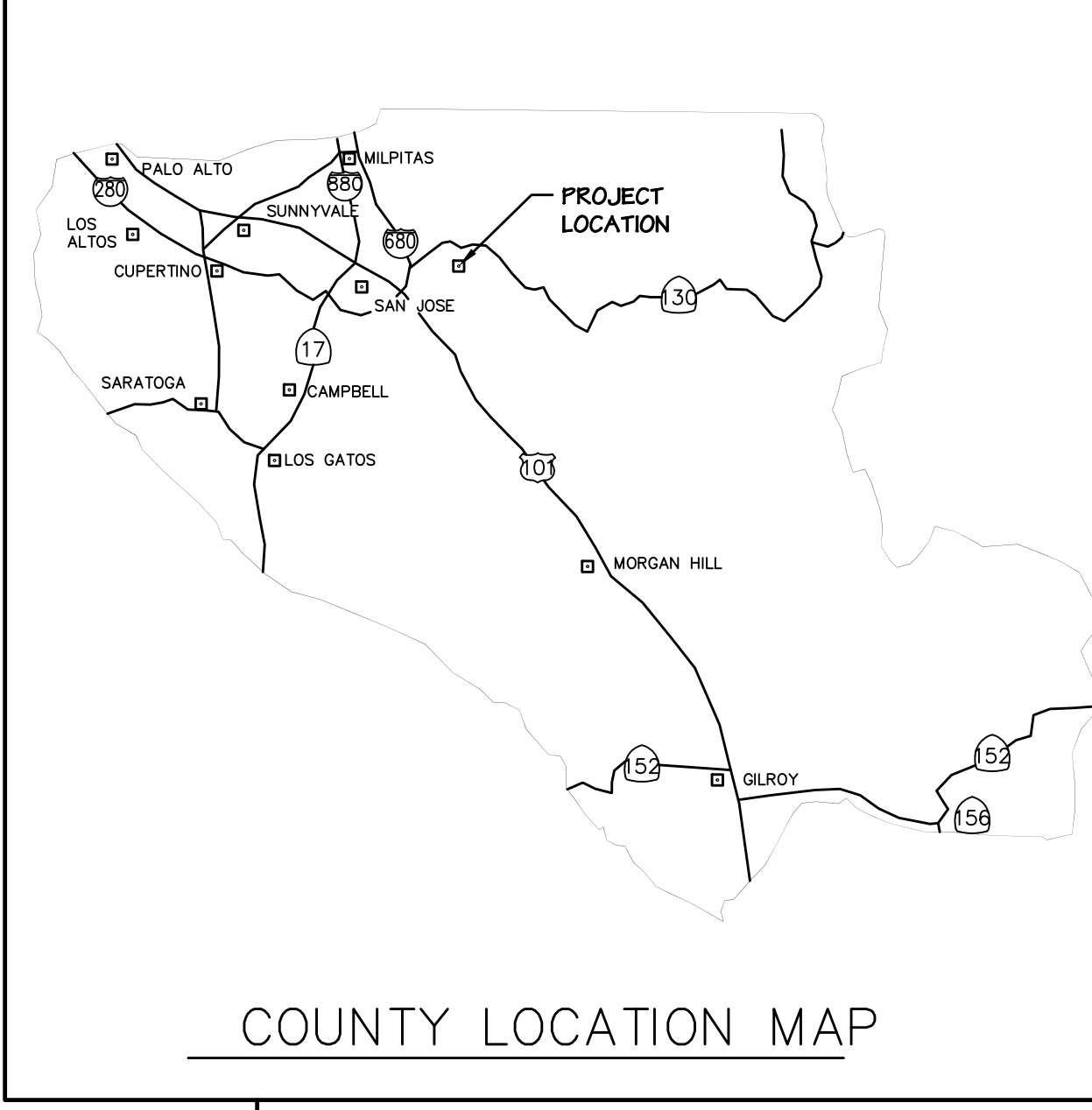
COUNTY OF SANTA CLARA
LAND DEVELOPMENT ENGINEERING & SURVEYING

GRADING / DRAINAGE PERMIT NO. _____
ISSUED BY: _____ DATE: _____

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 WITHOUT AN ENCROACHMENT PERMIT, INCLUDING THE STAGING OF CONSTRUCTION MATERIAL AND THE PLACEMENT OF PORTABLE TOILETS.



SHEET INDEX

T1	COUNTY STANDARD COVER SHEET	BMP1 BEST MGMT PRACTICES & EROSION CONTROL DTLS
T2	SITE PLAN	BMP2 BEST MGMT PRACTICES & EROSION CONTROL DTLS
A1	ARCHITECTURAL SITE PLAN	1 SEPTIC FIELD DESIGN
A2	MAIN RESIDENCE FLOOR PLANS	2 SEPTIC FIELD DESIGN
A3	MAIN RESIDENCE ELEVATIONS	3 SEPTIC FIELD DESIGN
A4	SECONDARY UNIT FLOOR PLANS	
A5	SECONDARY UNIT ELEVATIONS	
C1	GRADING AND DRAINAGE PLAN	
C2	DRIVEWAY CENTERLINE PROFILE, SITE SECTION	
C3	SITE SECTIONS	
C4	EROSION AND SEDIMENT CONTROL PLAN	
C5	CIVIL DETAILS, NOTES, AND SPECIFICATIONS	

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. 7921-17DR (R1) -17G (R1).

DATE _____ C72007
SIGNATURE _____ R.C.E. NO. _____
JUNE 30, 2022
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 _____ CHRISTOPHER L. FREITAS
42107
R.C.E. NO. _____
3-31-2022
EXPIRATION DATE _____

APPLICANT: MR. & MRS. PROCTOR

ROAD: CLAYTON ROAD

COUNTY FILE NO.: XXXX-XXXX-XXX

REVISION NUMBER

REVISION DATE

MILLS YOUNG
ENGINEERING

Civil Engineering and Structural Design
241 Sunny Patch Lane
Ben Lomond, CA 95005
(831) 336-8420 www.millsyoung.com

PROCTOR RESIDENCE

11341 CLAYTON ROAD, SAN JOSE, CA 95127
OWNERS: MR. AND MRS. PROCTOR
APN: 612-37-014

COUNTY STANDARD
COVER SHEET, VICINITY
MAP, & PROJECT INFO

PRELIMINARY - NOT
FOR CONSTRUCTION

DATE: 4-2-21

SCALE: NOT TO SCALE

DRAWN BY: JAY

JOB #: 14010

SHEET: 11

OF 17 SHEETS

1. THE CONTRACTOR SHALL EXAMINE CAREFULLY THE SITE OF WORK CONTEMPLATED, THE PLANS, AND SPECIFICATIONS; THEREFORE, THE SUBMISSION OF A BID SHALL BE CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS INVESTIGATED AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED, THE CHARACTER, QUALITY, AND SCOPE OF WORK TO BE PERFORMED, THE QUANTITIES OF MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE AS SPECIFIED AND AS REQUIRED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, THE CALIFORNIA BUILDING CODE STANDARDS, AND LOCALLY ENFORCED CODES AND AUTHORITIES, ALL ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE INSTALLED, APPLIED, AND CONNECTED AS DIRECTED BY THE MANUFACTURER'S LATEST WRITTEN SPECIFICATIONS EXCEPT WHERE NOTED OTHERWISE. MATERIAL NOTES ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE SPECIFICATIONS.
3. DIMENSIONS, DETAILS, NOTES, AND/OR SYMBOLS NOTED AS "TYPICAL" SHALL APPLY IN ALL LIKE CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. WHERE FEATURES OF THE CONSTRUCTION ARE NOT FULLY SPECIFIED, THEIR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO SIMILAR FEATURES. CONTACT ENGINEER FOR CLARIFICATION AS NEEDED.
4. ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER DIMENSIONS SCALED FROM THE PLANS. DO NOT SCALE DRAWINGS WITHOUT SPECIFIC AUTHORIZATION FROM THE ENGINEER. CONTACT ENGINEER FOR ANY DESIRED CLARIFICATION REGARDING DIMENSIONS.
5. STABILITY OF EXCAVATIONS, BRACING, AND FORMWORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR WHO SHALL DESIGN AND PROVIDE WHATEVER IS REQUIRED FOR THE PROTECTION OF LIFE, STRUCTURES, AND PROPERTY. ALL EXCAVATIONS AND SHORING SHALL MEET THE REQUIREMENTS OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH (CAL OSHA) STANDARDS, LATEST EDITION. NO UNSUPPORTED CUTS ARE TO BE MADE ADJACENT TO IMPROVEMENTS.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, AND PROCEDURES EMPLOYED IN THE PERFORMANCE OF WORK IN OR ABOUT THE JOB SITE. THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL WORK PERFORMED BY SUBCONTRACTORS. THE ENGINEER IS NOT RESPONSIBLE FOR ACTS OR OMISSIONS OF CONTRACTORS OR SUBCONTRACTORS OR FAILURE BY THEM TO CARRY OUT WORK IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS.
7. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK ON, OR RELATED TO, THIS PROJECT SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED, AND SHALL COMPLY WITH THE STATE OF CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH (CAL OSHA) STANDARDS, LATEST EDITION, AND WITH ANY AND ALL OTHER APPLICABLE STATE AND/OR LOCAL SAFETY REGULATIONS. THE CONTRACTOR AGREES: TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE SAFETY CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
8. THE CONTRACTOR SHALL EXAMINE AND CHECK ALL EXISTING CONDITIONS, DIMENSIONS, LEVELS, AND MATERIALS AND NOTIFY THE OWNER, ARCHITECT, OR ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. SHOULD A DISCREPANCY FROM THE CONTRACT DOCUMENTS THAT AFFECTS THE WORK APPEAR IN THE SPECIFICATIONS OR DRAWINGS, OR IN THE WORK DONE BY OTHERS, THE ARCHITECT OR ENGINEER SHALL BE NOTIFIED AT ONCE FOR INSTRUCTIONS ON HOW TO PROCEED. IF THE CONTRACTOR PROCEEDS WITH THE AFFECTED WORK, WITHOUT INSTRUCTIONS FROM THE ARCHITECT OR ENGINEER, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT TO THE SATISFACTION OF THE ARCHITECT OR ENGINEER. SHOULD A CONFLICT OCCUR IN, OR BETWEEN DRAWINGS OR SPECIFICATIONS, OR WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION METHOD INVOLVED, UNLESS A WRITTEN DECISION OF THE ARCHITECT OR ENGINEER HAS BEEN OBTAINED WHICH DESCRIBES AN ALTERNATE METHOD AND/OR MATERIALS.
9. ALL MATERIAL STORED ON SITE SHALL BE PROPERLY STACKED AND PROTECTED TO PREVENT DAMAGE AND DETEIORATION UNTIL USE. FAILURE TO PROTECT MATERIAL MAY BE CAUSE FOR REJECTION OF WORK.
10. THE CONTRACTOR SHALL DO ALL CUTTING, FITTING, OR PATCHING OF HS WORK THAT MAY BE REQUIRED TO MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY, AND SHALL NOT ENDANGER ANY OTHER WORK BY CUTTING, OR OTHERWISE ALTERING, THE TOTAL WORK OR ANY PART OF IT. CONTRACTOR SHALL EXERCISE CARE TO PROTECT ANY EXISTING CONSTRUCTION SO THAT INTEGRITY AND FINISH ARE NOT IMPAIRED. ALL PATCHING, REPAIRING, AND REPLACING OF MATERIALS AND SURFACES, CUT OR DAMAGED IN EXECUTION OF THE WORK, SHALL BE DONE WITH APPROPRIATE MATERIALS SO THAT THE SURFACES REPLACED WILL, UPON COMPLETION, MATCH SURROUNDING SIMILAR SURFACES.

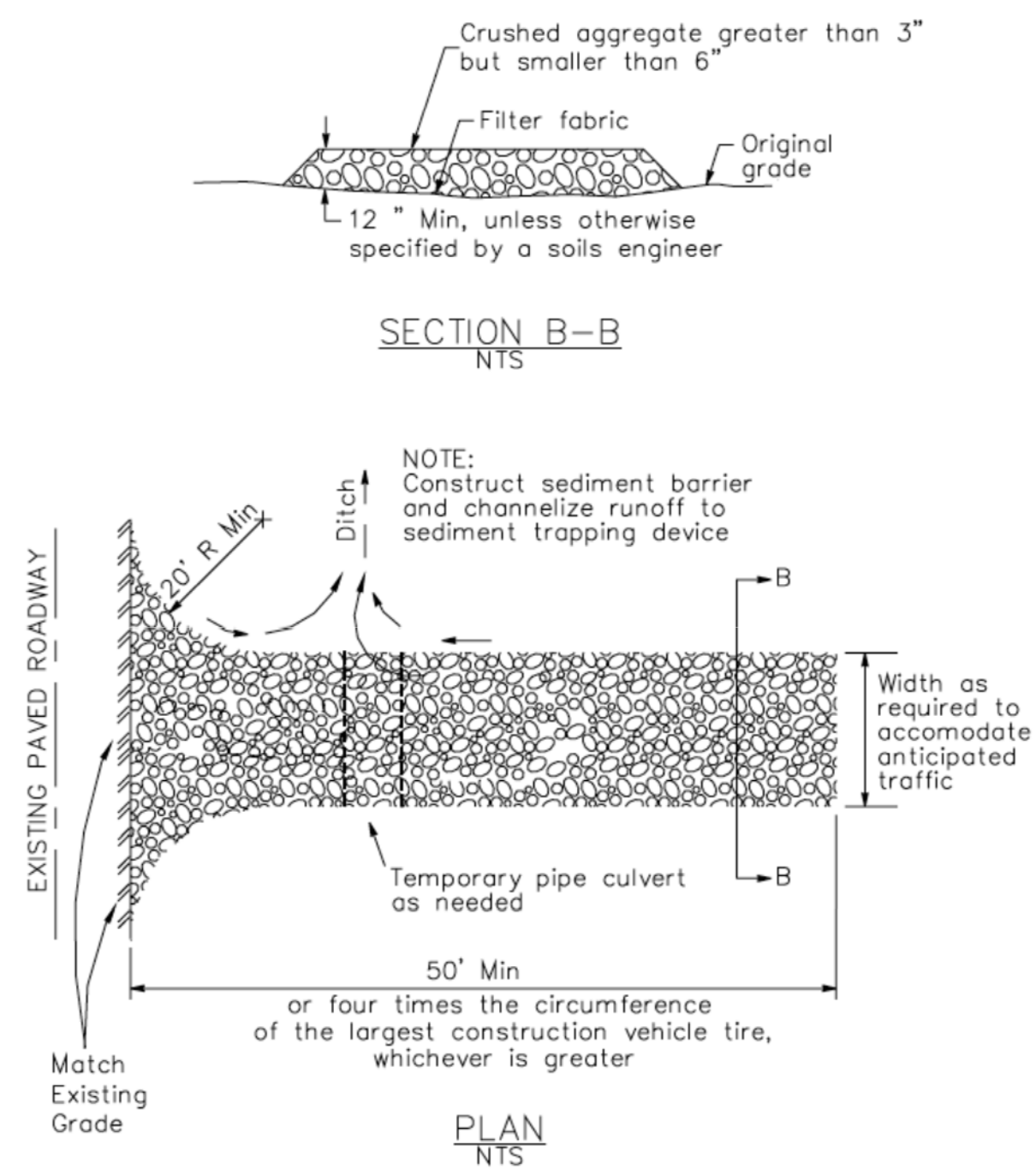
1. PERMANENTLY AFFIXED, 4" HIGH BY 3" WIDE, REFLECTIVE OR LIT, ADDRESS NUMBERS SHALL BE INSTALLED ON A CONTRASTING BACKGROUND AND BE VISIBLE FROM THE ROAD, TRAVELING IN EITHER DIRECTION.
2. A "NO SMOKING" SIGN SHALL BE POSTED OR PAINTED ON OR NEAR THE PROPANE TANK.
3. THE ROOF COVERING SHALL BE NO LESS THAN CLASS "A" RATED ROOF.
4. A 100 FOOT CLEARANCE OF COMBUSTIBLES (DRIED VEGETATION, WEEDS, GRASS, BRUSH, TRASH, ETC.) SHALL BE MAINTAINED AROUND AND ADJACENT TO THE BUILDING OR STRUCTURE. COMBUSTIBLES AND TREE BRANCHES SHALL BE CLEARED AT LEAST 10 FEET FROM THE STRUCTURE, CHIMNEY OUTLET, PROPANE TANK, AND ROADWAYS. EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY, OR SIMILAR PLANTS MAY BE USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM A MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.
5. NEAR ROADWAYS, TREE BRANCHES SHALL BE LIMBED 6'-8" FROM THE GROUND.
6. AN UNDERGROUND FIRE PROTECTION SYSTEM WORKING DRAWING MUST BE PREPARED BY THE DESIGNER/INSTALLER. THE PLANS SHALL COMPLY WITH THE UNDERGROUND FIRE PROTECTIONS SYSTEM INSTALLATION POLICY HANDBOOK. UNDERGROUND PLAN SUBMITTAL AND PERMIT WILL BE ISSUED TO A CLASS C-6 OR OWNER/BUILDER. NO EXCEPTIONS.
7. A MINIMUM OF 48 HOURS NOTICE TO THE FIRE DEPARTMENT IS REQUIRED PRIOR TO INSPECTION.
8. THE JOB COPIES OF THE BUILDING AND FIRE SYSTEMS PLANS AND PERMITS MUST BE ON-SITE DURING INSPECTIONS.

\\MILL\S\Q\ING\3\ Mills Young Engineering\Job Files\2014\1\1010 Proctor\1\1010 Drawings\1\1010 T3.dwg 4/2/2021 5:10:35 PM | USE OR REPRODUCTION WITHOUT PERMISSION PROHIBITED

3

Stabilized Construction Entrance/Exit

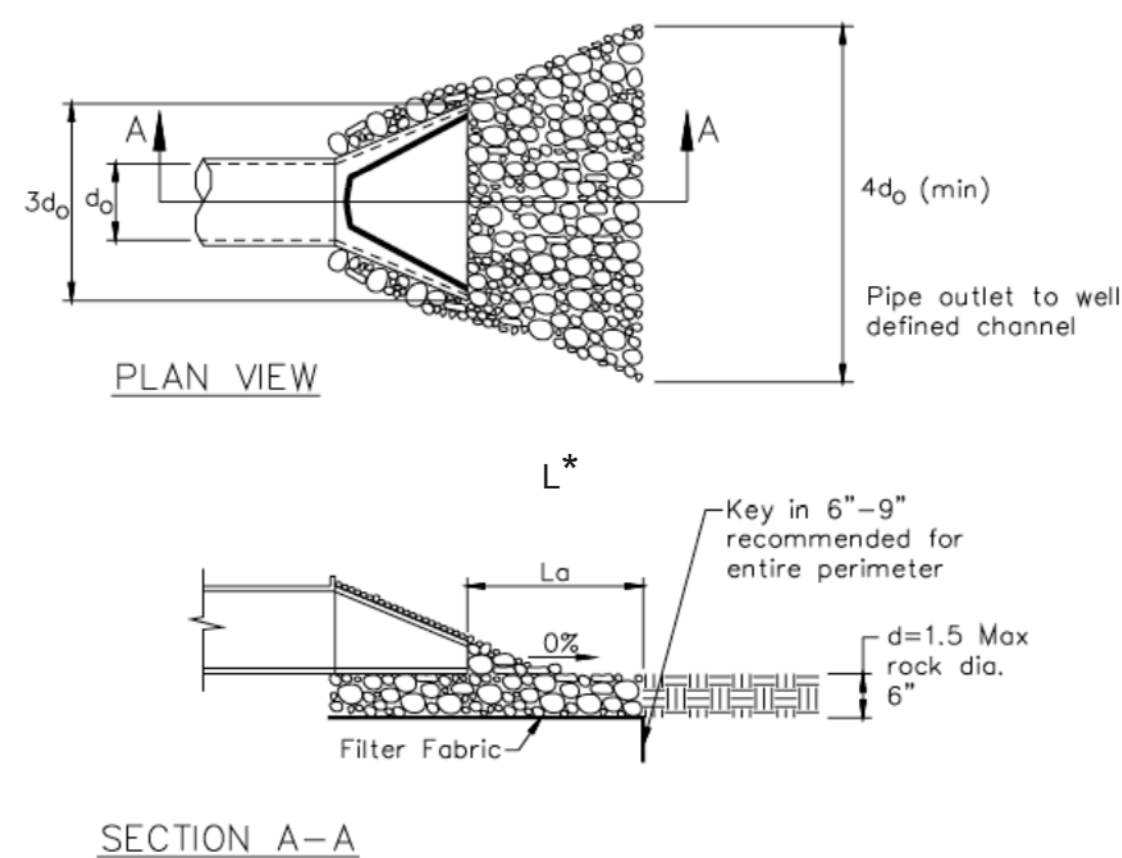
CASQA Detail TC-1



4

Velocity Dissipation Devices

CASQA Detail EC-10



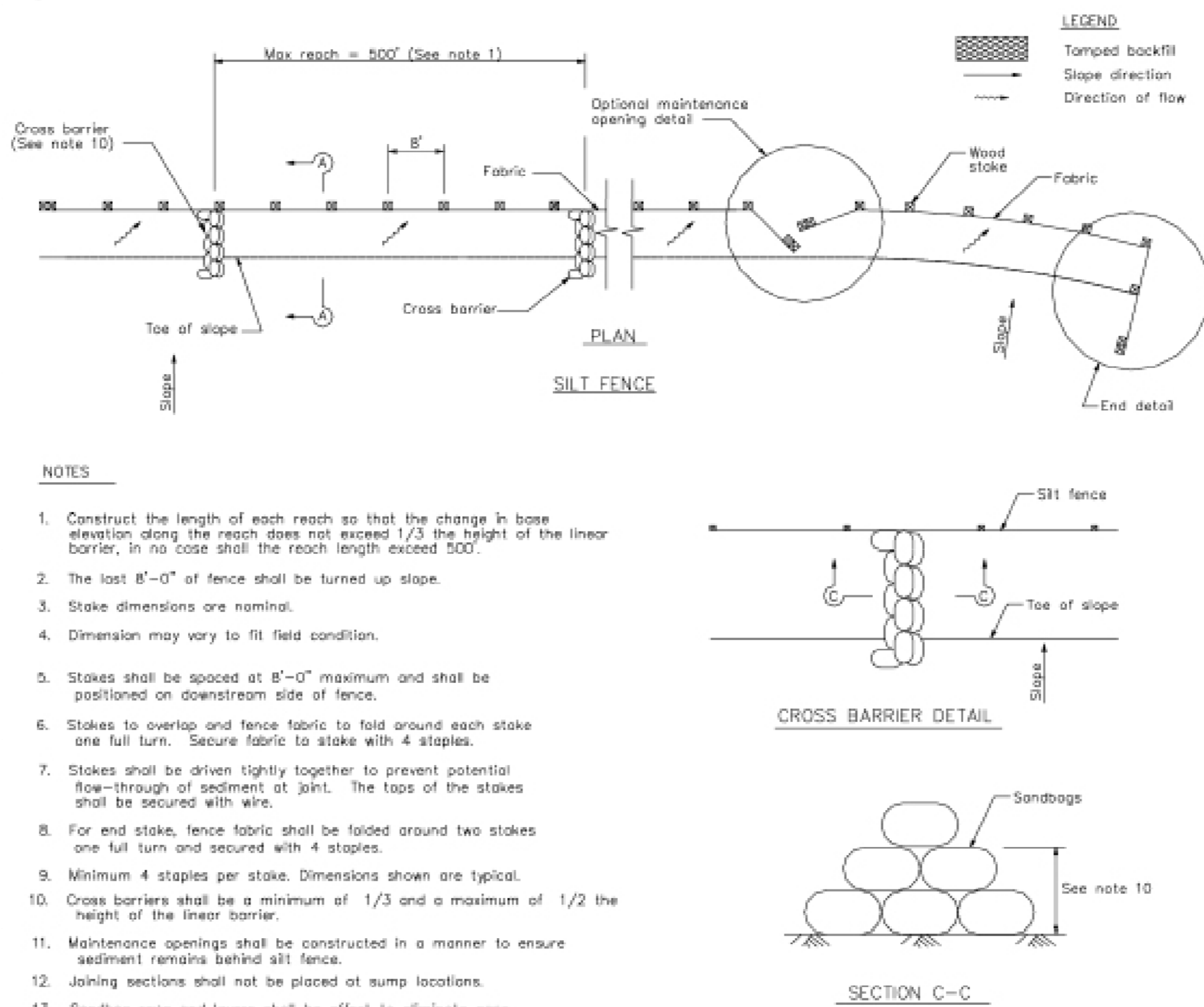
* Length per ABAG Design Standards

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

1

Silt Fence

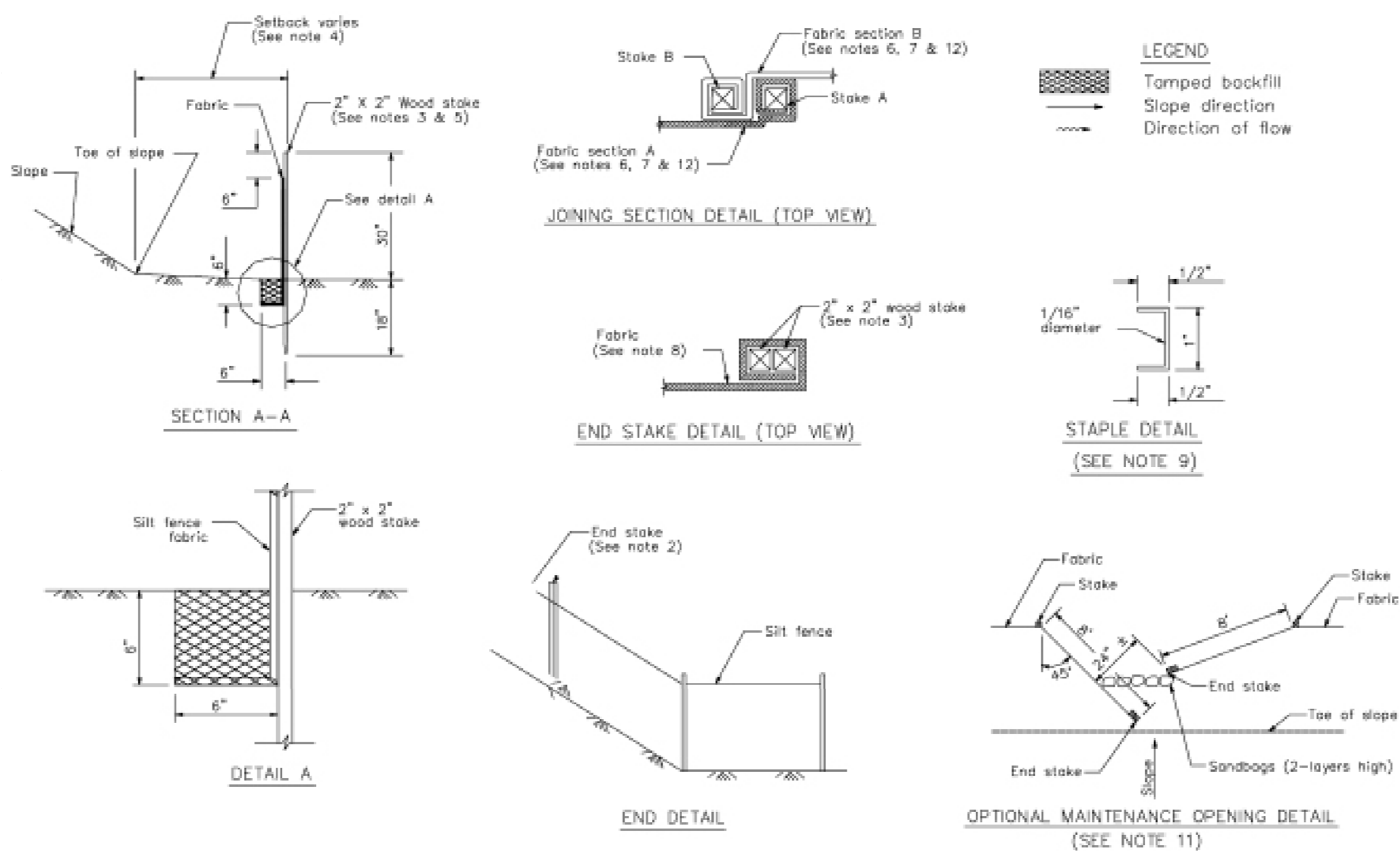
CASQA Detail SE-1



2

Silt Fence

CASQA Detail SE-1



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

STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

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 rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.

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

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

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

- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

REVISION NUMBER	REVISION DATE

Civil Engineering and Structural Design
MILLS YOUNG
ENGINEERING
241 Sunny Patch Lane
Ben Lomond, CA 95005
(931) 356-8420 www.MillsYoung.com

PROCTOR RESIDENCE
11341 CLAYTON ROAD, SAN JOSE, CA 95127
OWNERS: MR. AND MRS. PROCTOR
APN: 612-37-014

PRELIMINARY - NOT
FOR CONSTRUCTION

**BEST MANAGEMENT
PRACTICES & EROSION
CONTROL DETAILS**

DATE:	4-2-21
SCALE:	NTS
JOB #:	14010
SHEET:	BMP1
OF 17 SHEETS	



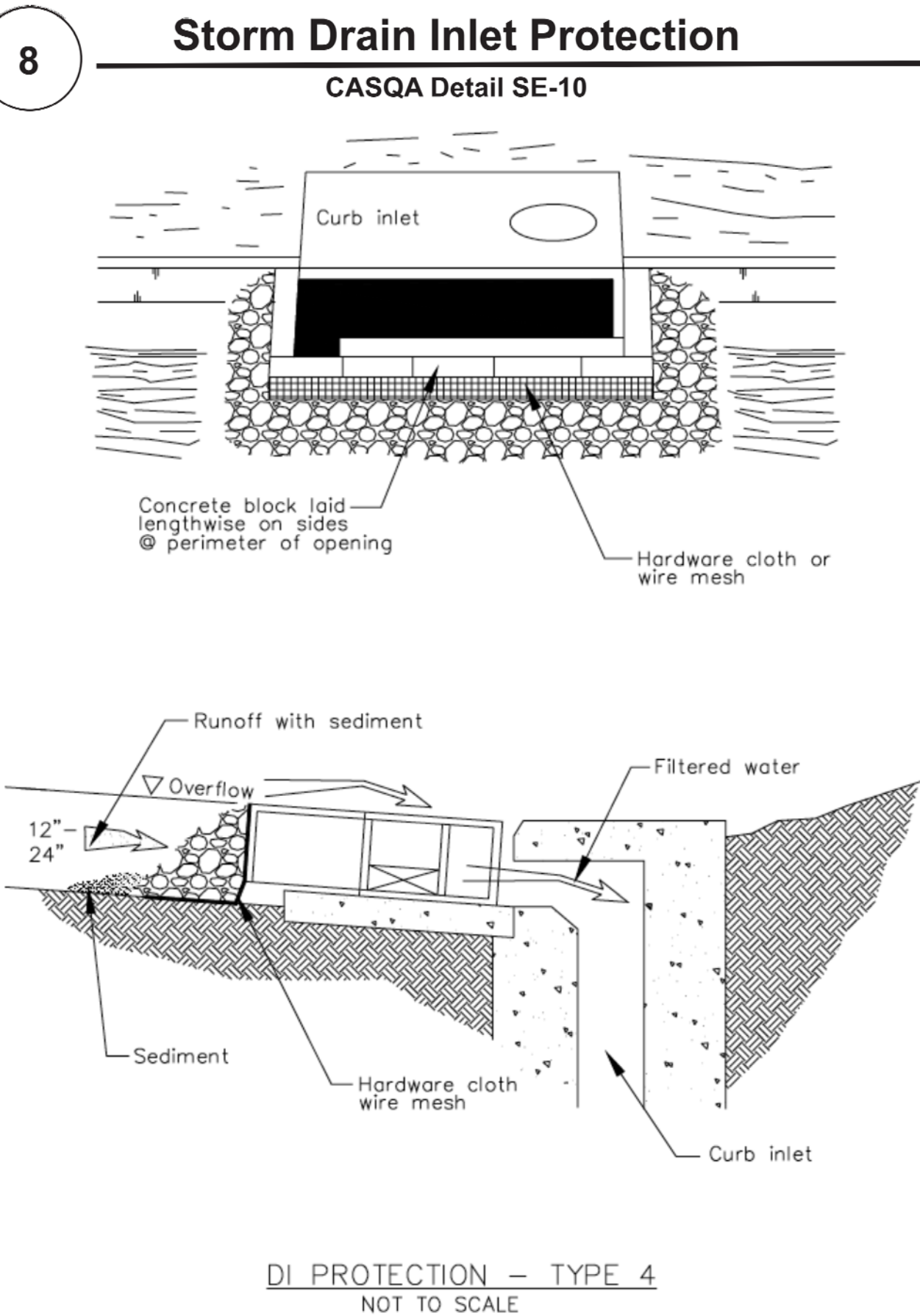
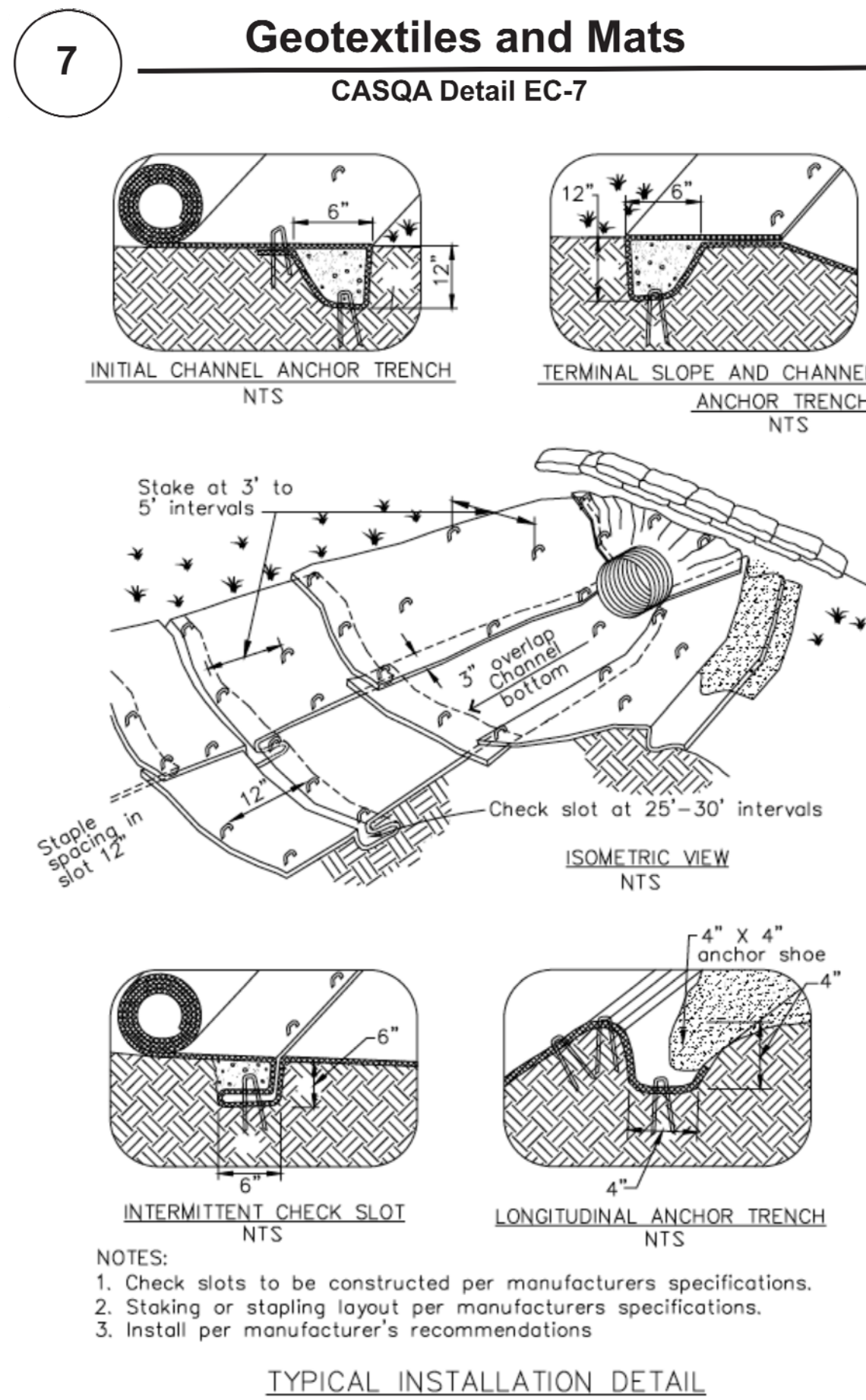
Best Management Practices and Erosion Control Details Sheet 1

County of Santa Clara

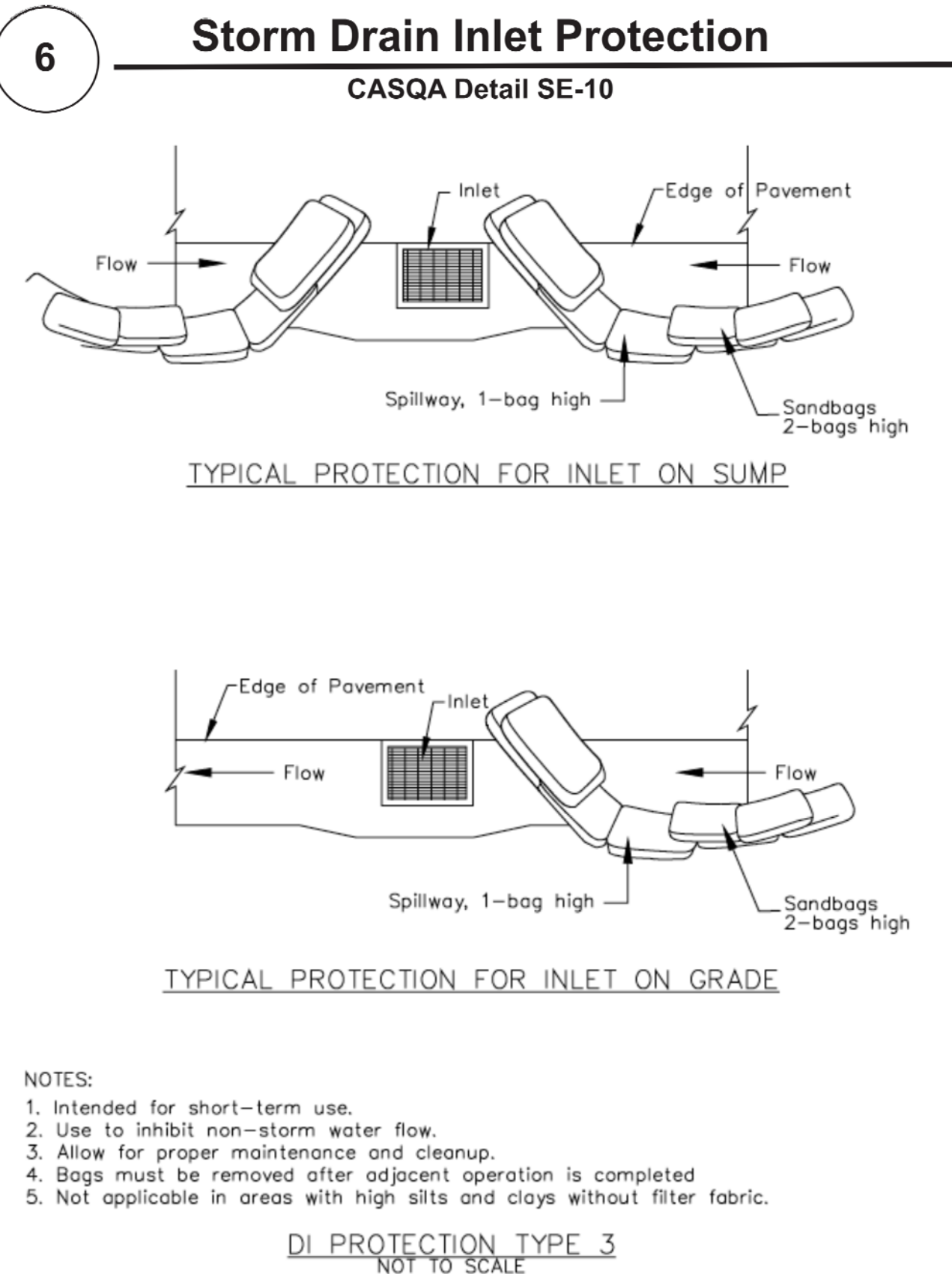
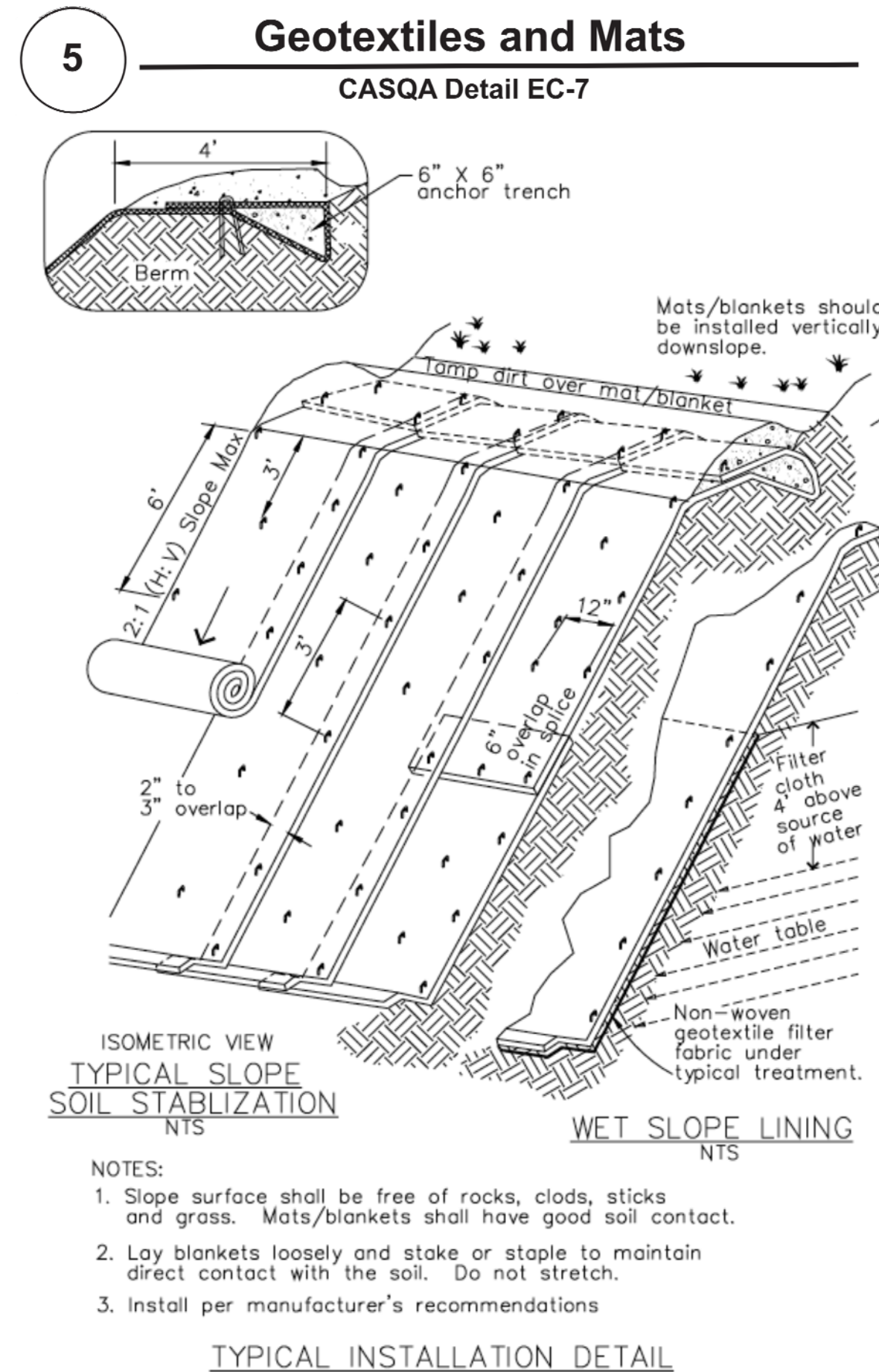
APPLICANT: MR. & MRS. PROCTOR

ROAD: CLAYTON ROAD

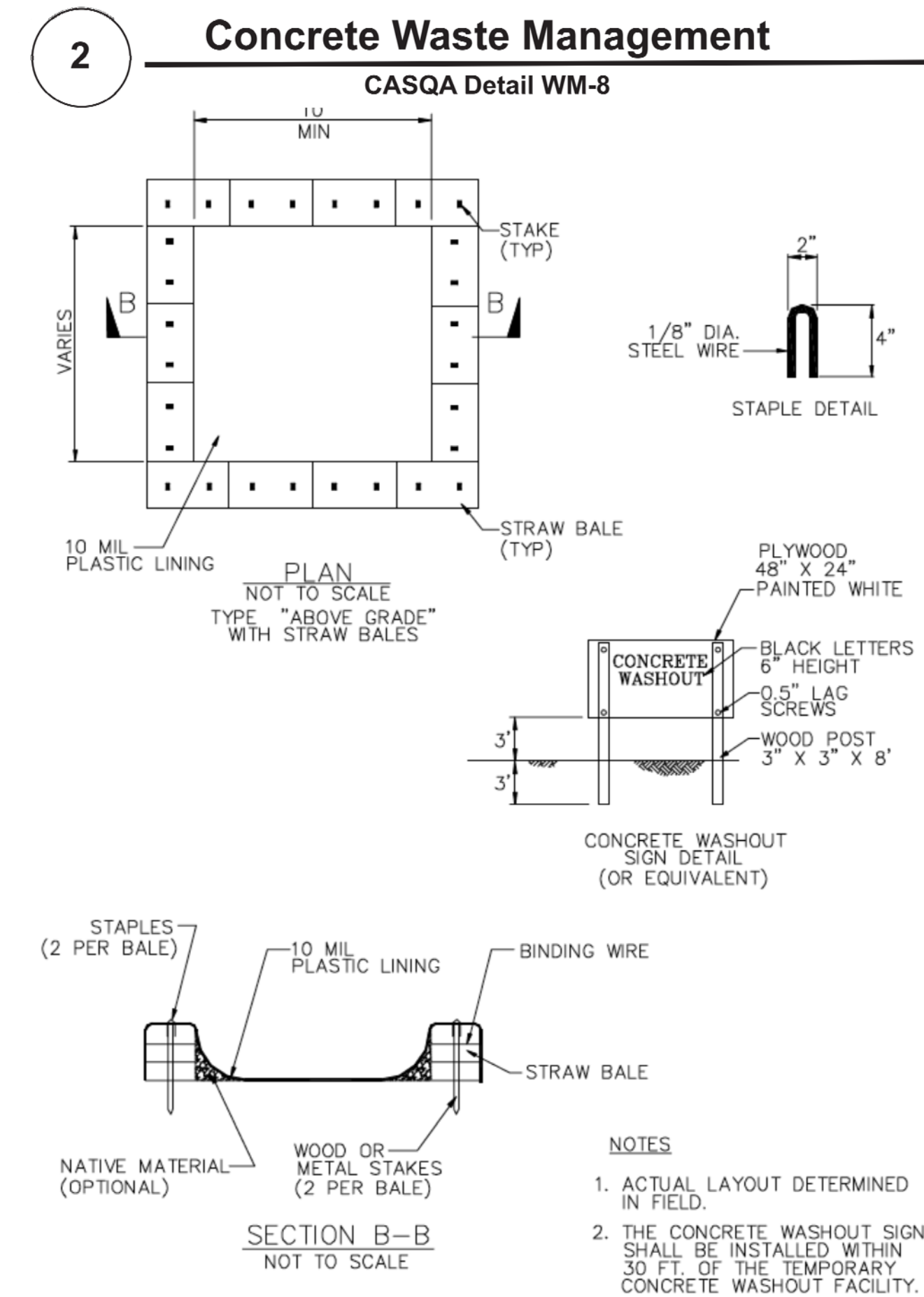
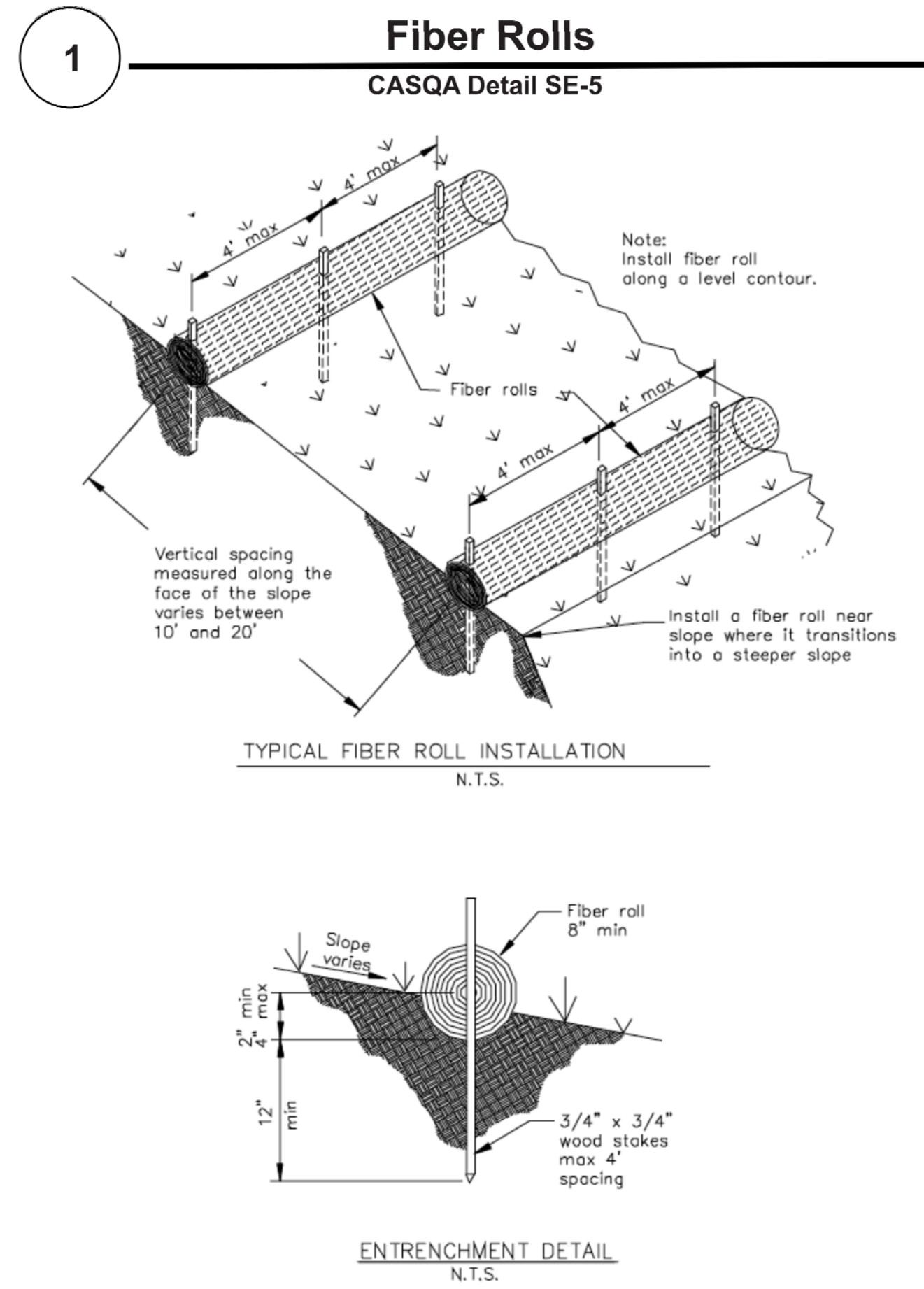
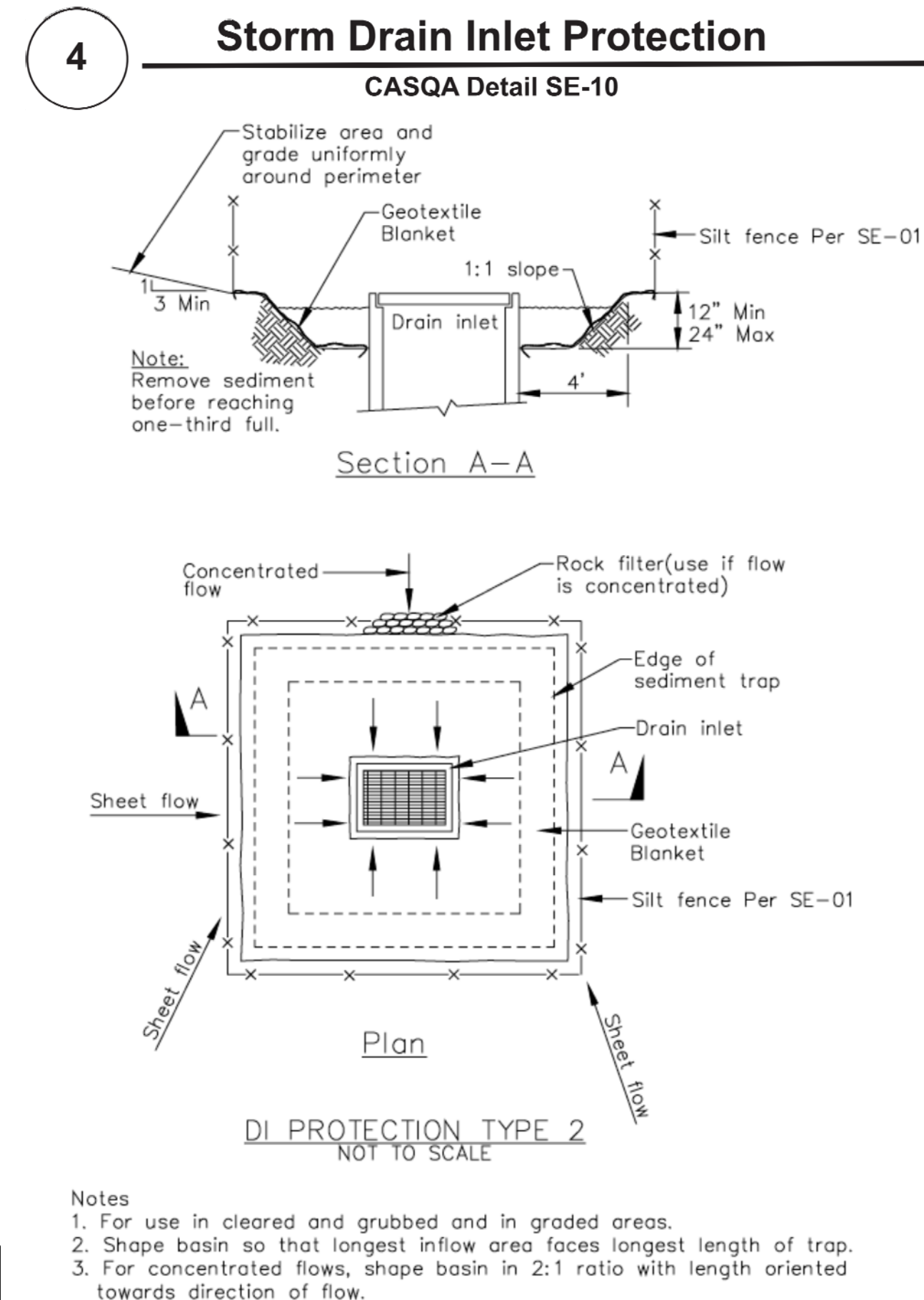
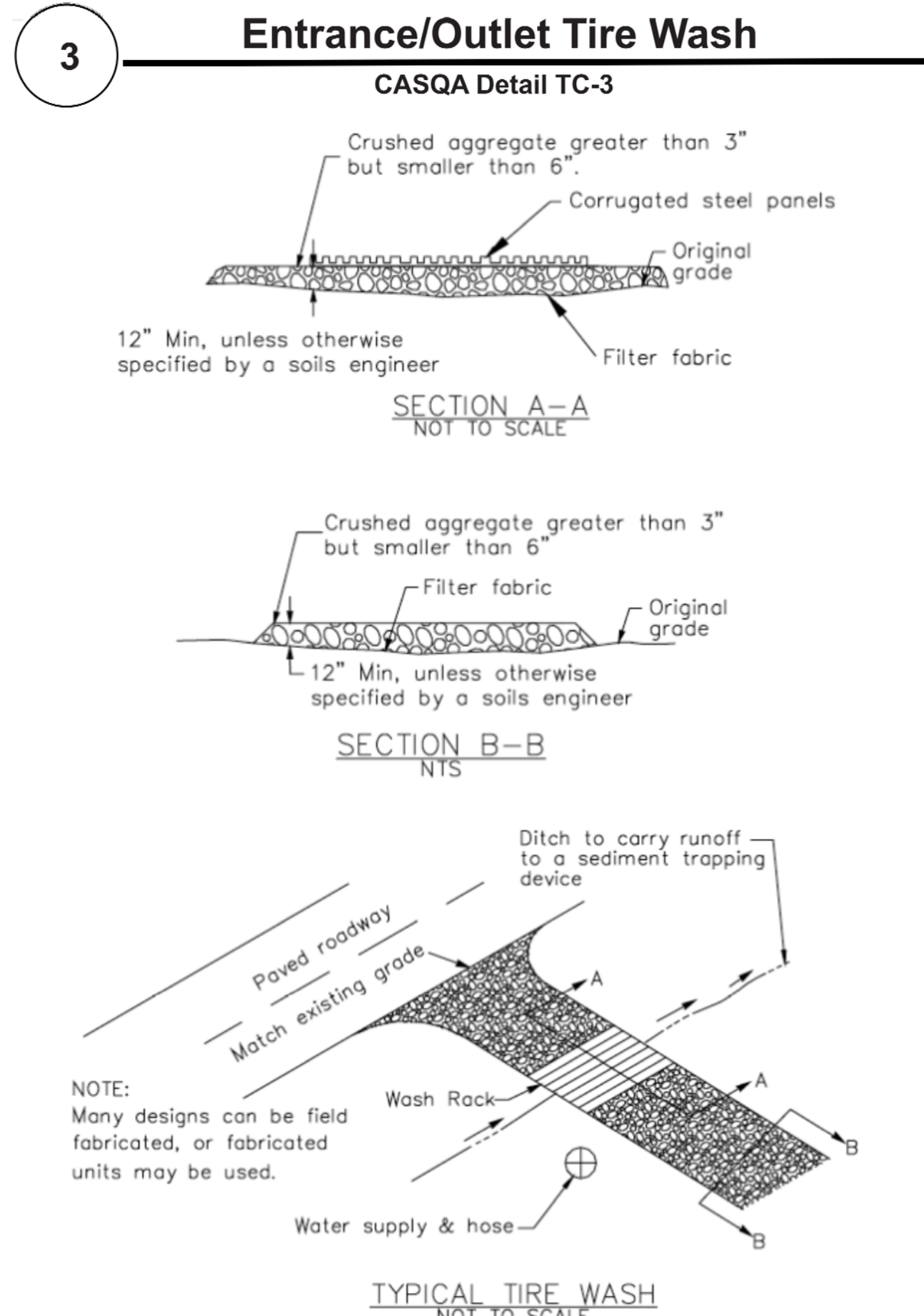
COUNTY FILE NO.: XXXX-XXXX-XXX



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



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**BEST MANAGEMENT
PRACTICES & EROSION
CONTROL DETAILS**

DATE:	4-2-21
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JOB #:	14010
SHEET:	BMP2
OF 17 SHEETS	



Best Management Practices and Erosion Control Details Sheet 2

County of Santa Clara

APPLICANT: MR. & MRS. PROCTOR

ROAD: CLAYTON ROAD

COUNTY FILE NO.: XXXX-XXXX-XXX