

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 C2EARTH, INC. AND DATED JANUARY 29, 2021. THIS REPORT IS SUPPLEMENTED BY: 1) THESE PLANS AND SPECIFICATIONS; 2) THE COUNTY OF SANTA CLARA STANDARD DETAILS...

CONSTRUCTION STAKING

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

CONSTRUCTION INSPECTION

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

SITE PREPARATION (CLEANING 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...

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...

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...

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...

Table with 4 columns: LOCATION, RESIDENCE (+10'), DRIVEWAY (base rock), TOTAL. Values include 80, 300, 4' and 60, 190, 6'.

- 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...

TREE PROTECTION

- 1. FOR ALL TREES TO BE RETAINED WITH A CANOPY IN THE DEVELOPMENT AREA OR INTERFACES WITH THE LIMITS OF GRADING OR ALL PROPOSED CONSTRUCTION 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 DRUPLINE...

ACCESS ROADS AND DRIVEWAYS

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

STREET LIGHTING

- 1. PACIFIC GAS & ELECTRIC ELECTROLER 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.

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...

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY. 2. COVER ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS OR REQUIRE ALL TRUCKS TO MAINTAIN AT LEAST TWO FEET OF FREEBOARD. 3. PAVE, APPLY WATER THREE TIMES DAILY, OR APPLY (NON-TOXIC) SOIL STABILIZERS ON ALL UNPAVED ACCESS ROADS, PARKING AREAS AND STAGING AREAS AT CONSTRUCTION SITES.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND THE 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...

AS-BUILT PLANS STATEMENT

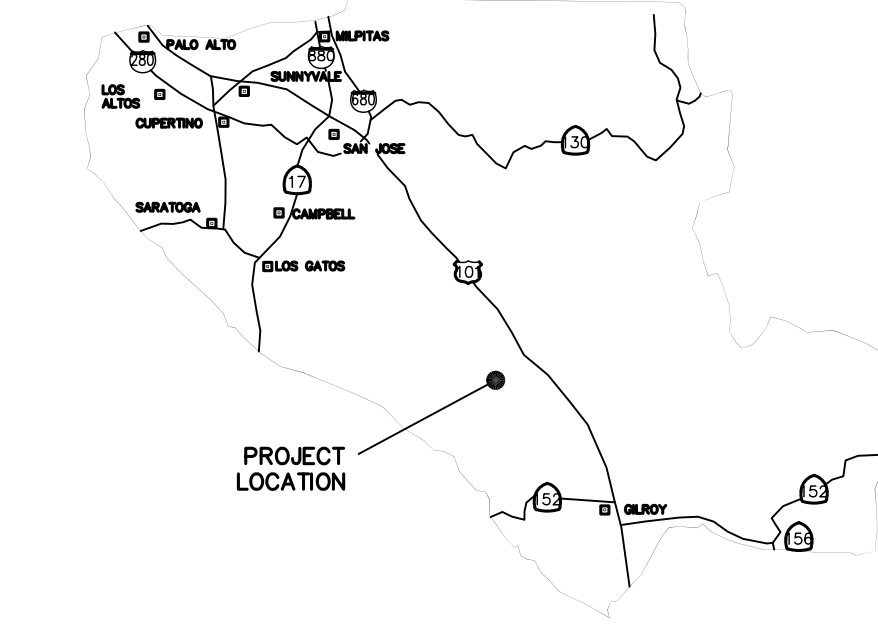
THIS IS A TRUE COPY OF THE AS-BUILT PLANS, THERE (____ WERE) (____ WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (??). THERE (____ WERE) (____ WERE NOT) PLAN REVISIONS INDICATING SIGNIFICANT CHANGES REVIEWED BY THE COUNTY ENGINEER AND MARKED WITH THE SYMBOL Δ.

DATE SIGNATURE

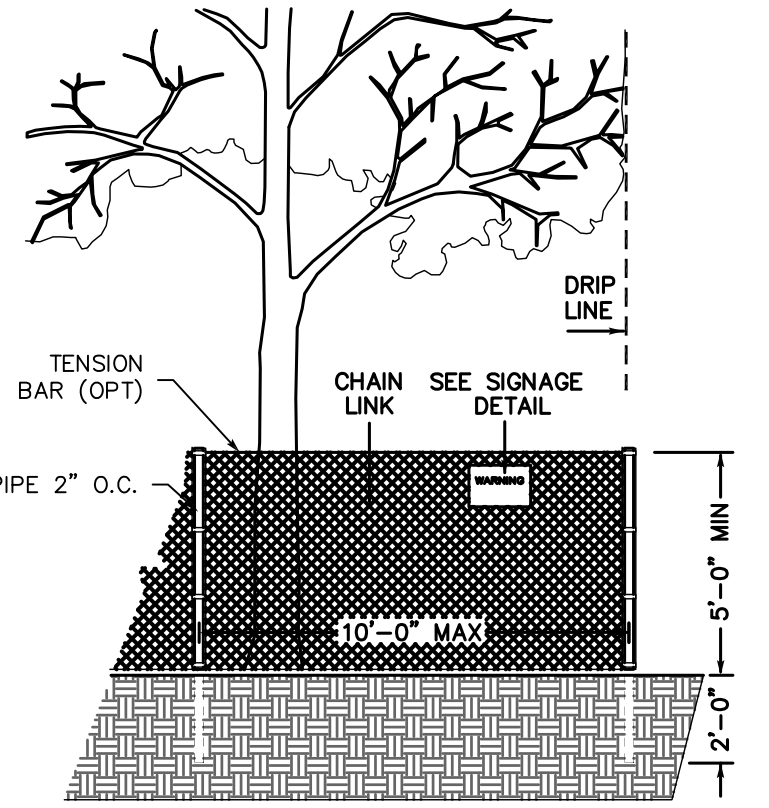
NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK. A REPRODUCIBLE COPY OF THE AS-BUILT PLANS MUST BE FURNISHED TO THE COUNTY ENGINEER AFTER CONSTRUCTION.

GEOTECHNICAL ENGINEER OBSERVATION

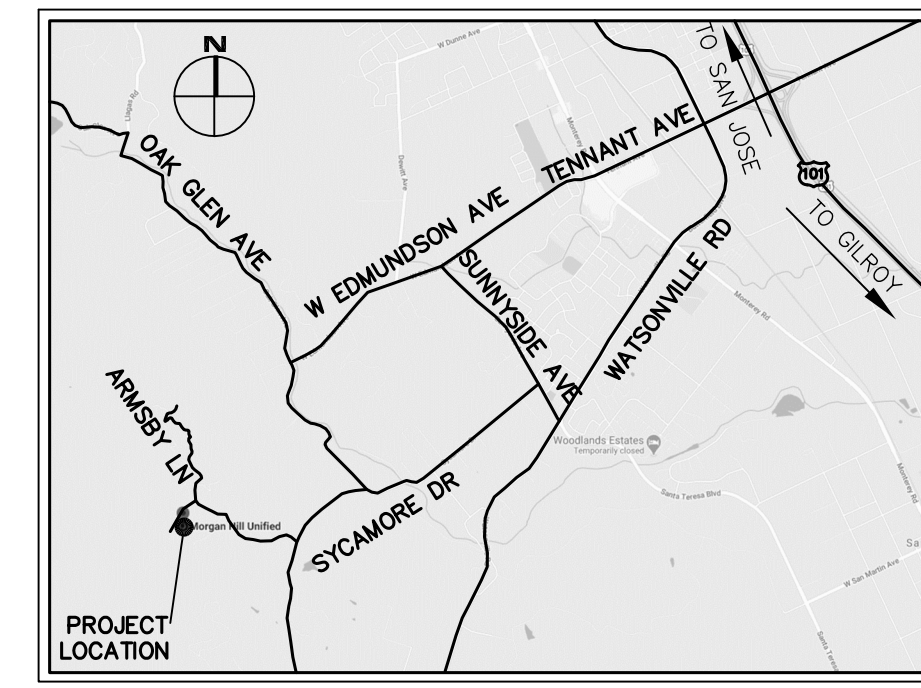
- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGIC REPORTS SHALL BE SUBMITTED PRIOR TO THE GRADING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



COUNTY LOCATION MAP



EXISTING TREE PROTECTION DETAILS



VICINITY MAP

NEW RESIDENCE LANDS OF JOSEPH TALAMO

SCOPE OF WORK

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

- INDICATES FOUND IRON PIPE AS NOTED
○ INDICATES IRON PIPE TO BE SET

CAL FIRE NOTES

- 1. THE RESIDENCE IS TO BE EQUIPPED WITH FIRE SPRINKLER SYSTEM. 2. THIS PARCEL IS LOCATED IN THE WILDLAND URBAN INTERFACE, WUI. 3. THIS PARCEL IS LOCATED IN THE STATE RESPONSE AREA, THEREFORE, THE RESPONDING AGENCY IS CAL FIRE AND MUST COMPLY WITH SRA FIRE SAFE REGULATIONS-PRC 4290.

LEGEND

Table with 3 columns: DESCRIPTION, TO BE CONST., EXISTING. Lists various construction items like Property Line, Limits of Work or Boundary, Curbs and Gutters, etc.

SURVEY MONUMENT PRESERVATION

- 1. PRIOR TO THE COMMENCEMENT OF ANY GRADING, TREE PROTECTIVE FENCING SHALL BE IN PLACE IN ACCORDANCE WITH THE TREE PRESERVATION PLAN AND INSPECTED BY A CERTIFIED ARBORIST. THE ARBORIST SHALL MONITOR CONSTRUCTION ACTIVITY TO ENSURE THAT THE TREE PROTECTION MEASURES ARE IMPLEMENTED AND ADHERED TO DURING CONSTRUCTION...

- 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 ALL PERMANENT SURVEY MONUMENTS OF RECORD AND ANY UNRECORDED MONUMENTS THAT ARE DISCOVERED THAT ARE WITHIN 50 FEET OF THE CONSTRUCTION ACTIVITY.

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

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

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.

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 4/12/2024 SIGNATURE

83644 R.C.E. NO. 03/31/2025 EXPIRATION DATE

COUNTY ENGINEER'S NOTE

ISSUANCE OF A PERMIT AUTHORIZING CONSTRUCTION DOES NOT RELEASE THE DEVELOPER, PERMITTEE OF ENGINEER FROM RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS CONTAINED IN THE PLANS. IF, DURING THE COURSE OF CONSTRUCTION, THE PUBLIC INTEREST REQUIRES A MODIFICATION OF (OR DEPARTURE FROM) THE SPECIFICATIONS OF THE PLANS, THE COUNTY SHALL HAVE THE AUTHORITY TO REQUIRE THE SUSPENSION OF WORK, AND THE NECESSARY MODIFICATION OR DEPARTURE AND TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

DATE

R.C.E. NO. EXPIRATION DATE

SHEET INDEX

Table with 2 columns: Sheet No., Description. Lists sheets C-0 to C-3, ROS, BMP-1, BMP-2.

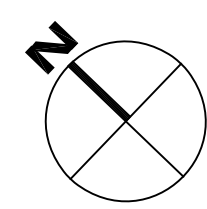
ENGINEER'S NAME: MARK M. GROFCSIK, RCE 83644

ADDRESS: 303 POTRERO STREET, SUITE 42-202 SANTA CLARA, CA 95060

PHONE NO. (831) 425-3901

FAX NO.

Table with 3 columns: Revision, Date, APN, Sheet. Shows revision 1 details.



ARMSBY ROAD AND SLEEPY VALLEY ROAD ARE PRIVATE ROADS - NOT COUNTY MAINTAINED. BOTH ACCESS ROADS ARE SURFACED WITH ALL-WEATHER MATERIAL CAPABLE OF HANDLING EMERGENCY VEHICLE LOADING OF 75,000 LB. ARMSBY ROAD WILL BE WIDENED TO PROVIDE TWO 10' TRAVEL LANES PER COUNTY LETTER DATED MAY 22, 2023.

DRY UTILITY POINT OF CONNECTION. PROVIDE SERVICE TO RESIDENCE VIA JOINT TRENCH UNDER SLEEPY VALLEY ROAD AND PROPOSED DRIVEWAY. LOCATE (E) MAIN FROM MUTUAL WATER SERVICE (GREEN MOUNTAIN WATER CORPORATION) AND PROVIDE WATER SERVICE TO RESIDENCE VIA TRENCH UNDER SLEEPY VALLEY ROAD AND PROPOSED DRIVEWAY.

WIDEN (E) 15' WIDE ROAD TO 20' WIDE TO MEET FIRE SAFE REGULATIONS

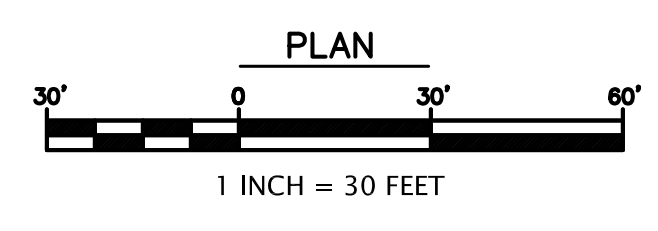
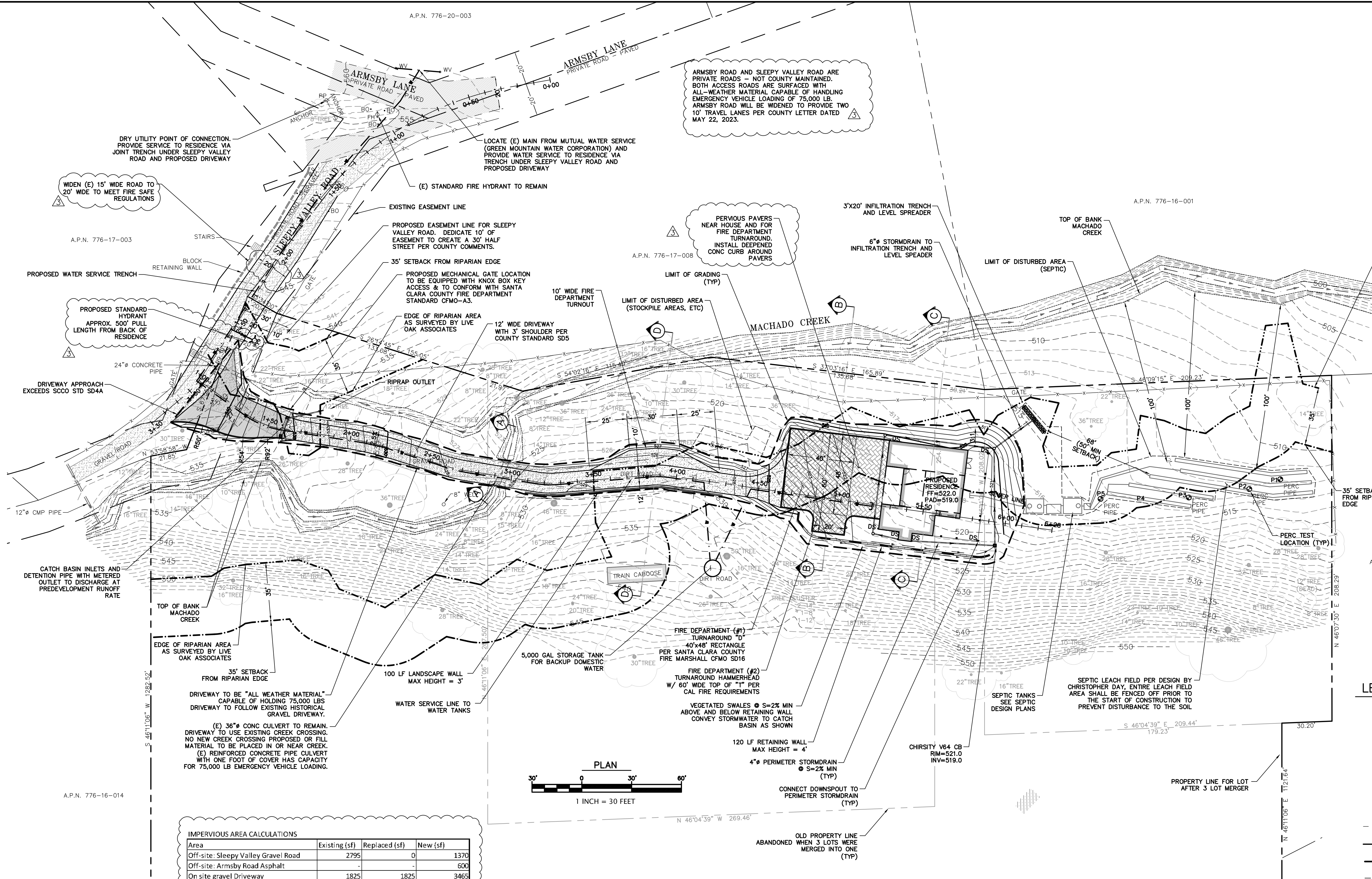
A.P.N. 776-17-003

A.P.N. 776-17-008

A.P.N. 776-16-001

A.P.N. 776-16-002

A.P.N. 776-16-014



IMPERVIOUS AREA CALCULATIONS

Area	Existing (sf)	Replaced (sf)	New (sf)
Off-site: Sleepy Valley Gravel Road	2795	0	1370
Off-site: Armsby Road Asphalt	-	-	600
On site gravel Driveway	1825	1825	3465
Asphalt Driveway On Site Approach	920	920	550
House	0	0	3250
TOTAL:	5540	2745	9235
Permeable Pavers			3145

LANDSCAPING NOTE

NO LANDSCAPING PROPOSED. HYDROSEED DISTURBED AREAS NOT TO BE HARDSCAPE WITH NATIVE PLANT SEED.

AVERAGE SLOPE CALCULATION

$$S = ((H/L) \times 100)$$

$$I = 1$$

$$L = 10,225$$

$$A = 60,100 \text{ (DIST AREA PLUS 25' BUFFER)}$$

$$S = 17.0\%$$

STORM DRAIN SYSTEM MAINTENANCE

THE HOME OWNER IS RESPONSIBLE FOR MAINTAINING THE STORM DRAINAGE SYSTEM AND ALL COMPONENTS. EVERY YEAR, PRIOR TO THE WET WEATHER SEASON (OCTOBER 15TH) ALL THE CATCH BASINS AND STORM DRAIN CLEANOUTS SHALL BE INSPECTED AND CLEANED OF ANY DEBRIS, SILT, TRASH AND SEDIMENT.

STORM DRAINAGE NOTES

- CULVERTS SHALL BE REINFORCED CONCRETE PIPE (RCP), POLYVINYL CHLORIDE (PVC), OR HIGH DENSITY POLYETHYLENE (HDPE) AND SHALL HAVE A SMOOTH INTERIOR CONFORMING TO SANTA CLARA COUNTY DRAINAGE MANUAL.
- INLETS SHALL BE CHRISTY CONCRETE PRODUCTS OR APPROVED EQUAL.
- CONNECT ALL DOWNSPOUTS TO PERIMETER STORM DRAIN.

TOPOGRAPHIC SURVEY

THE TOPOGRAPHIC SURVEY AND BOUNDARY INFORMATION PROVIDED HEREON WAS COMPLETED BY CARNES & EKPARIAN, INC. RI ENGINEERING INC. MAKES NO GUARANTEE AS TO THE ACCURACY OF BOTH. THE CONTRACTOR SHALL VERIFY THE BOUNDARY LOCATION AND TOPOGRAPHIC INFORMATION PRIOR TO COMMENCING WORK.

ABBREVIATIONS

- BW BOTTOM OF WALL
- CB CATCH BASIN
- CONST CONSTRUCT
- DIAM. DIAMETER
- DS DOWNSPOUT
- DTL DETAIL
- DWY DRIVEWAY
- (E) EXISTING
- EL ELEVATION
- EOP EDGE OF PAVEMENT
- FF FINISH FLOOR
- FG FINISH GRADE
- FS FIRE SERVICE
- HP HIGH POINT
- INV INVERT
- LF LINEAR FEET
- LP LOW POINT
- MAX MAXIMUM
- N.T.S. NOT TO SCALE
- RM RETAINING WALL
- RM RIM ELEVATION
- S SLOPE
- SCCO SANTA CLARA COUNTY SANITARY SEWER CLEANOUT
- SSCO SANITARY SEWER CLEANOUT
- SDCO STORM DRAIN CLEANOUT
- TYP TYPICAL
- TW TOP OF WALL
- WS WATER SERVICE

LEGEND

- (E) AB
- (E) AC
- (E) CONCRETE
- PROPOSED AC
- (E) FLOWLINE
- PROPERTY LINE
- PROPOSED LIMIT OF GRADING
- PROPOSED LIMIT OF DISTURBANCE
- EDGE OF RIPARIAN AREA AS SURVEYED BY LIVE OAK ASSOCIATES
- 35' SETBACK FROM RIPARIAN AREA OR TOP OF BANK (GREATER DIST SHOWN)
- PROPOSED RETAINING WALL
- PROPOSED SWALE
- PROPOSED SD
- PROPOSED PERIMETER SD
- PROPOSED SDCO
- PROPOSED CB
- MAJOR (E) CONTOUR LINES
- MAJOR PROPOSED CONTOUR LINES
- MINOR
- PROPOSED PERMEABLE SURFACE

REVISOR PER COUNTY COMMENTS 9/7/2022
 REVISOR PER COUNTY COMMENTS 3/10/2023
 REVISOR PER COUNTY COMMENTS 4/12/2024



RI Engineering, Inc.
 303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
 831-425-3901 www.riengineering.com

SINGLE FAMILY RESIDENCE
 FOR JOSEPH TALAMO
 SLEEPY VALLEY ROAD
 MORGAN HILL, CA
 APN #776-17-006, -007, -009
SITE PLAN

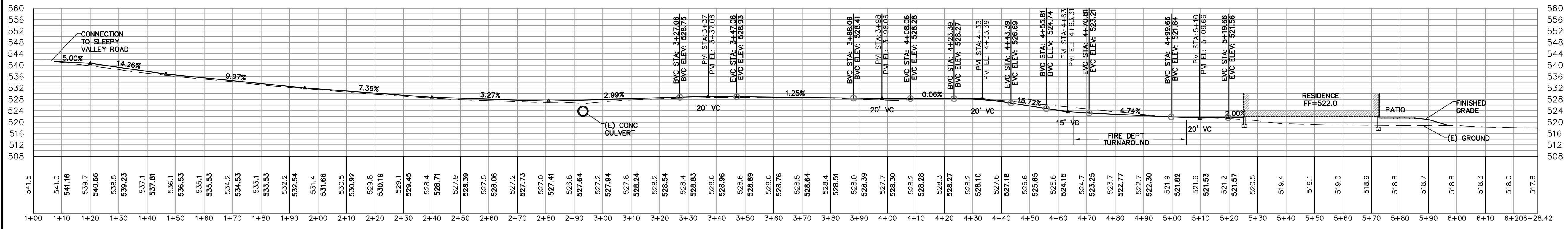
project no. 20-041-1

date APRIL 2024

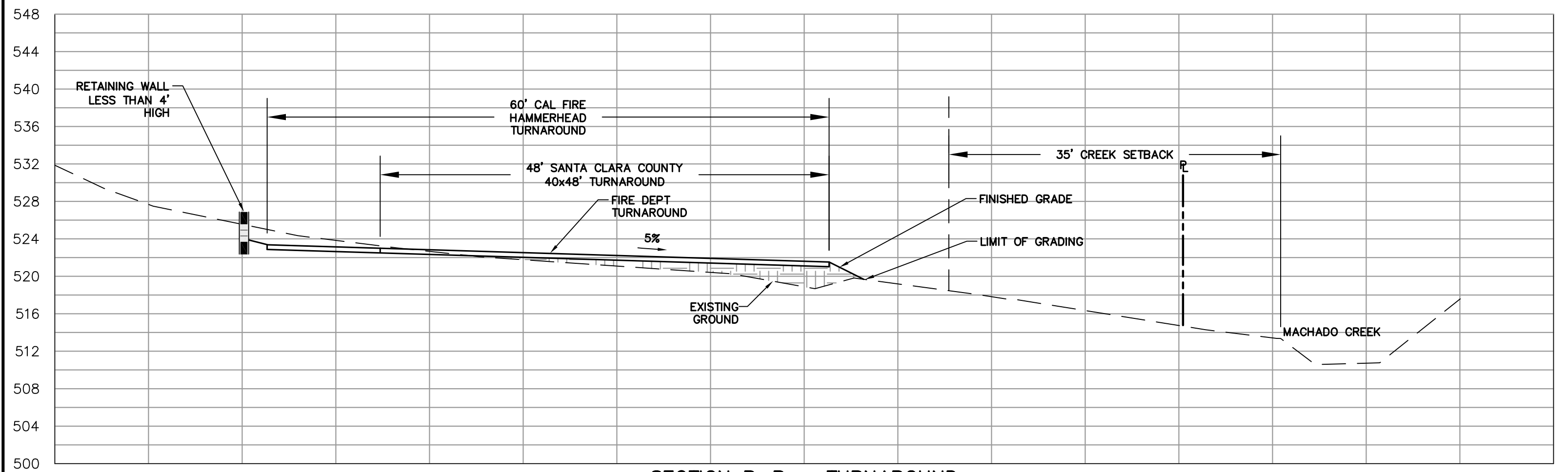
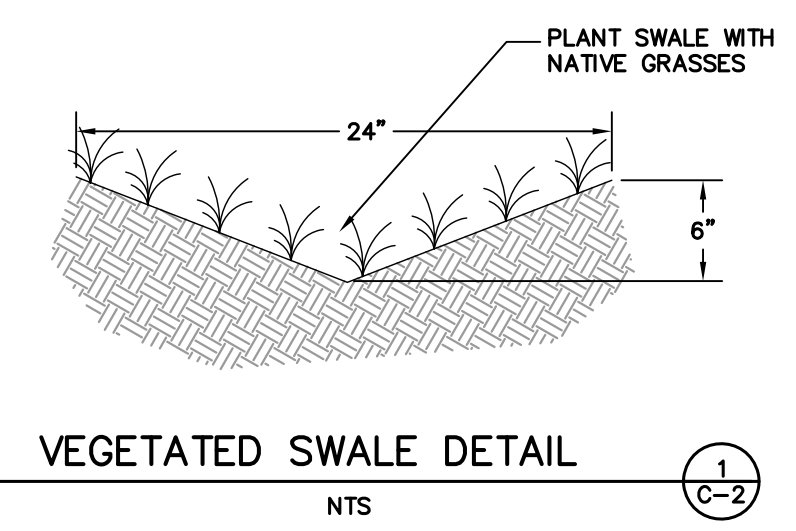
scale AS SHOWN

dwg name CIVIL2.DWG

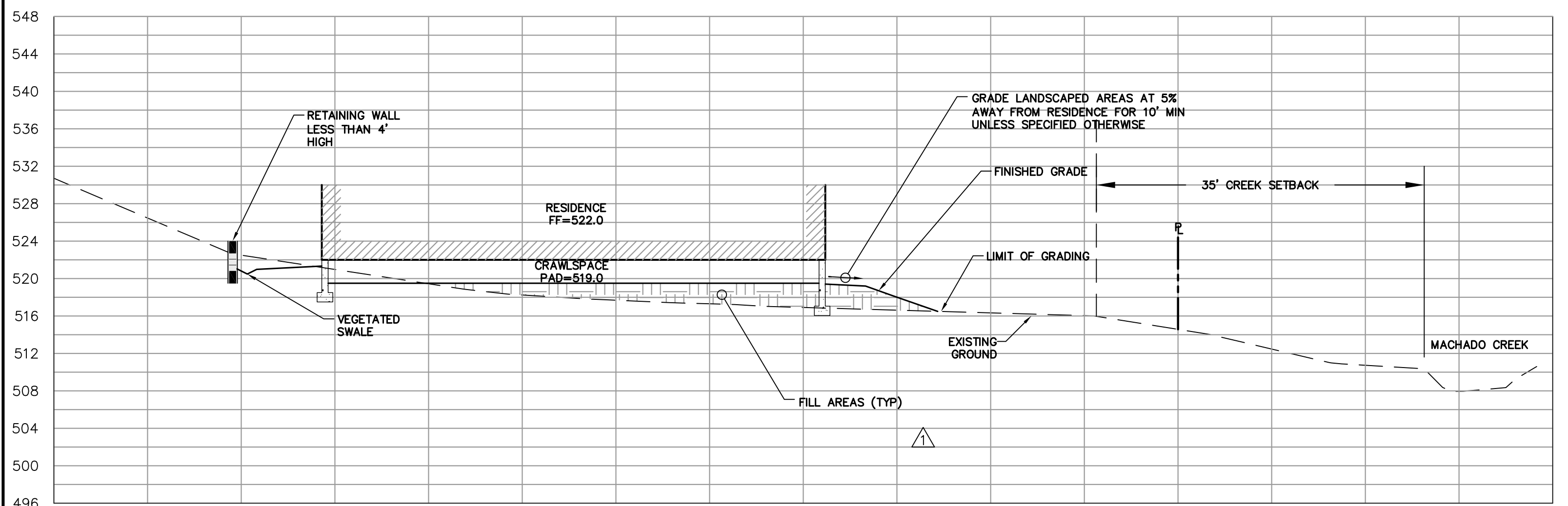
C-1



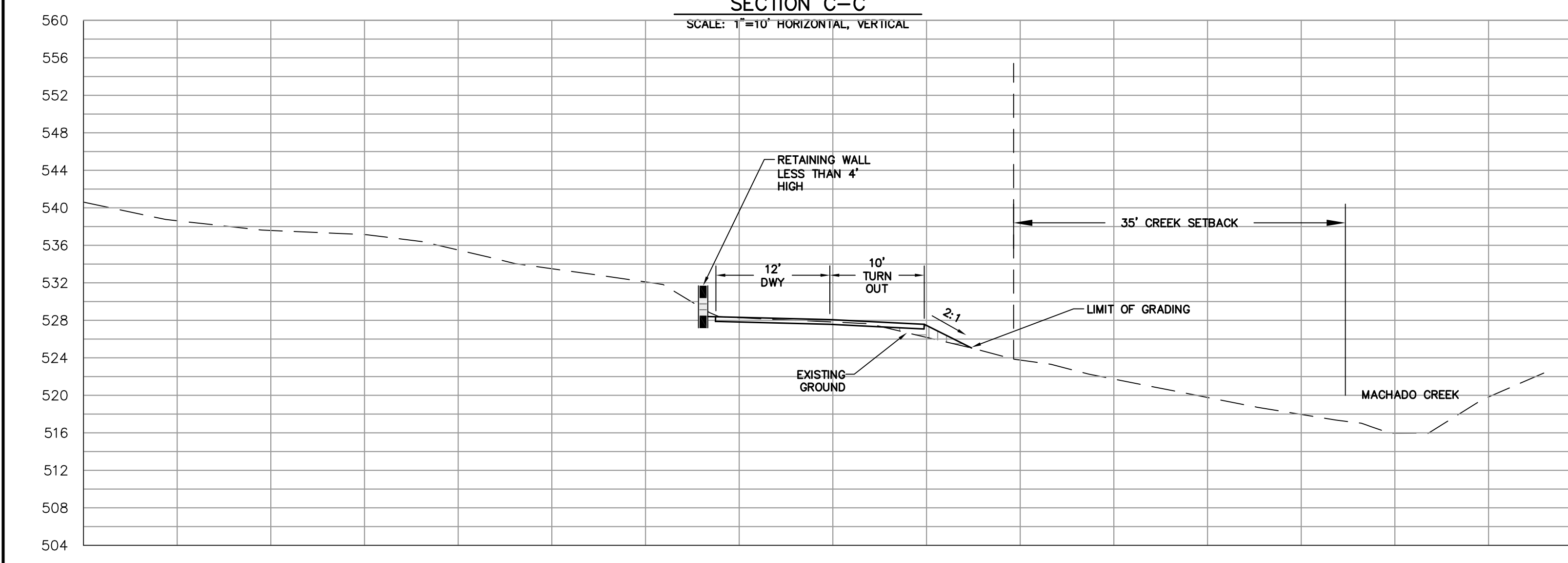
DRIVEWAY PROILE
SCALE: 1"=20' HORIZONTAL, VERTICAL



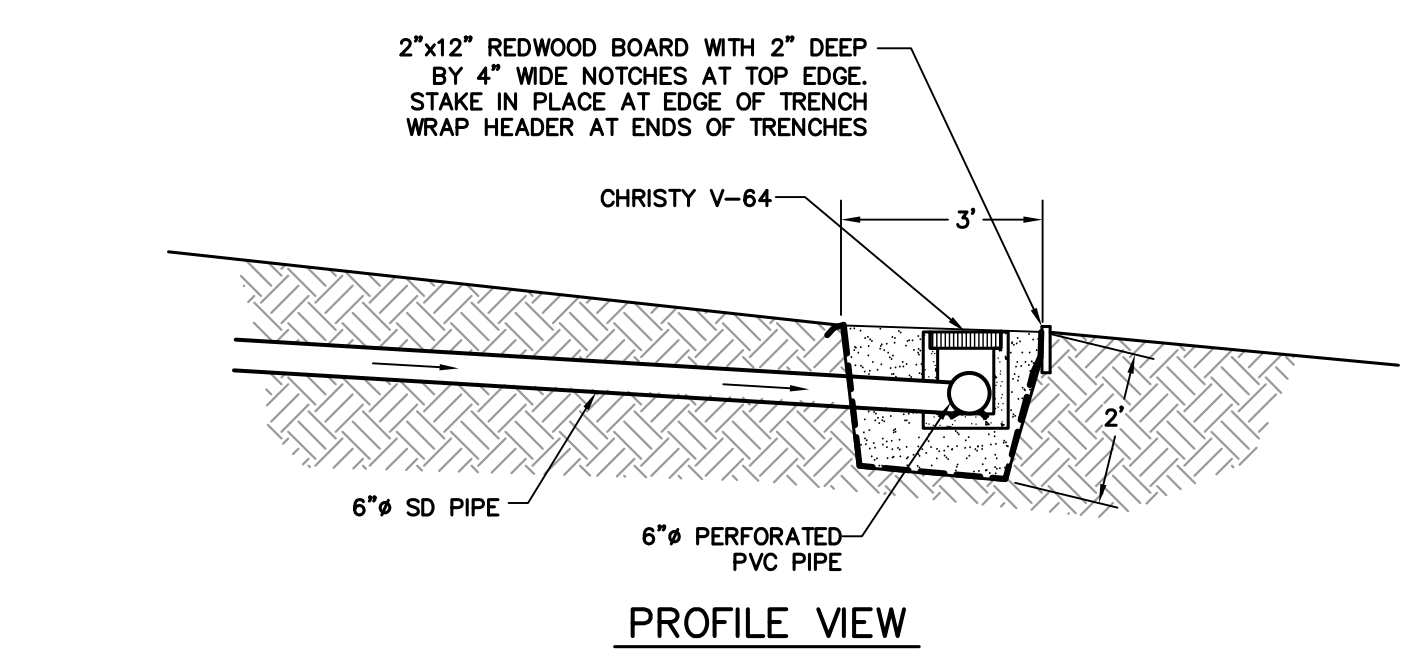
SECTION B-B - TURNAROUND
SCALE: 1"=10' HORIZONTAL, VERTICAL



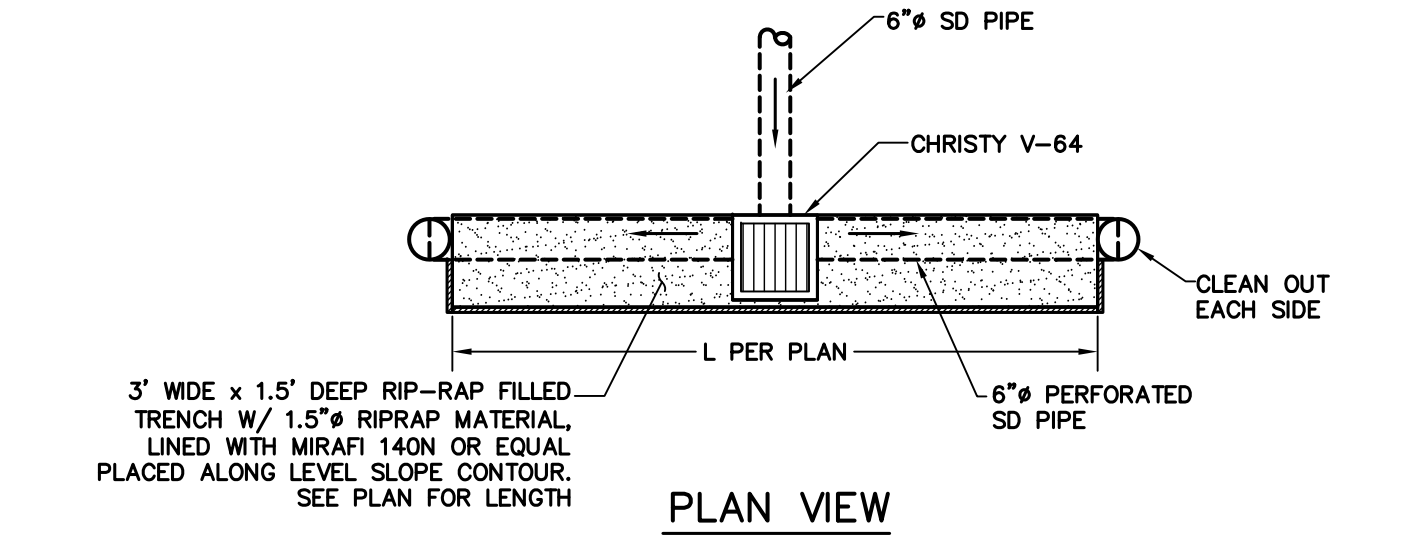
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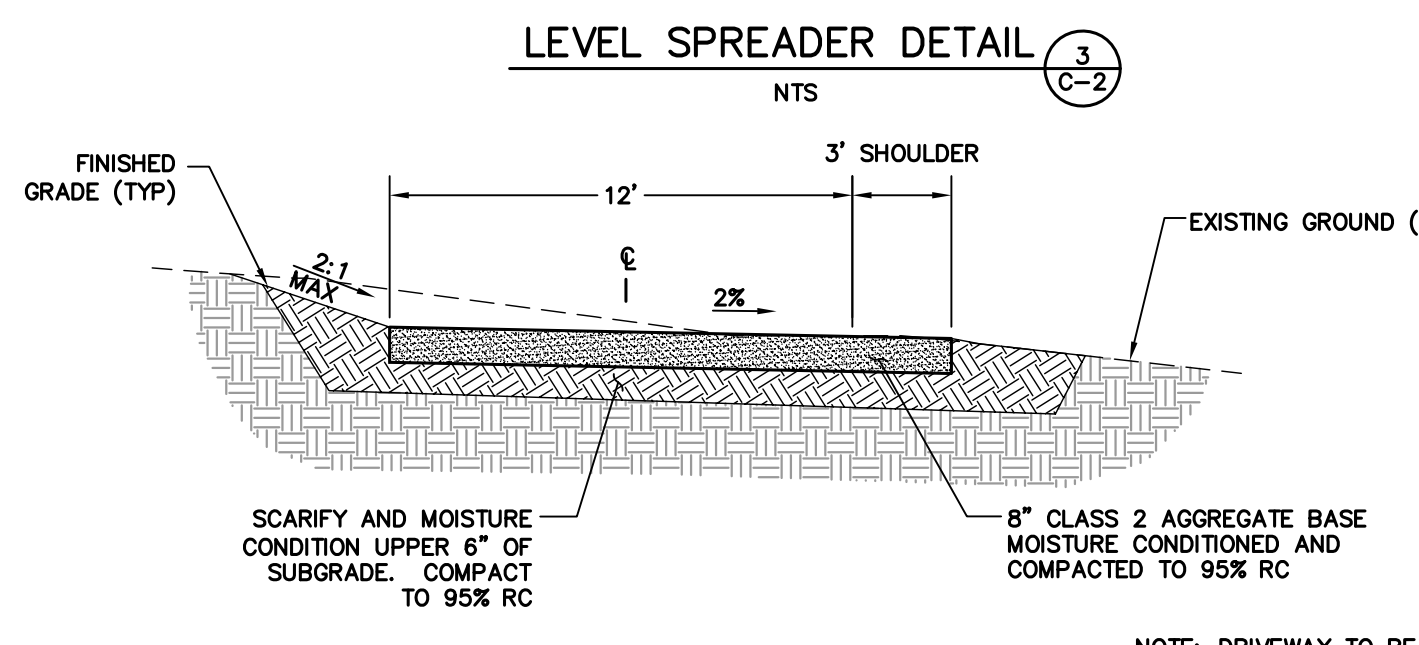
SECTION D-D - TURNOUT
SCALE: 1"=10' HORIZONTAL, VERTICAL



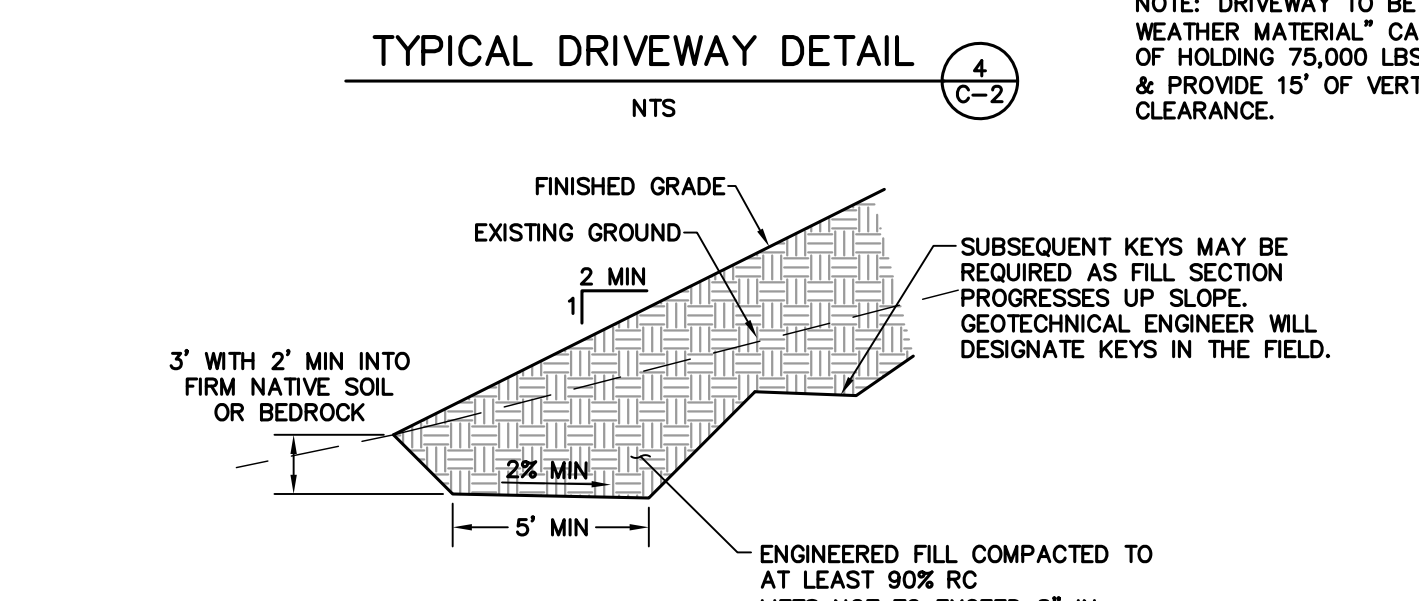
PROFILE VIEW



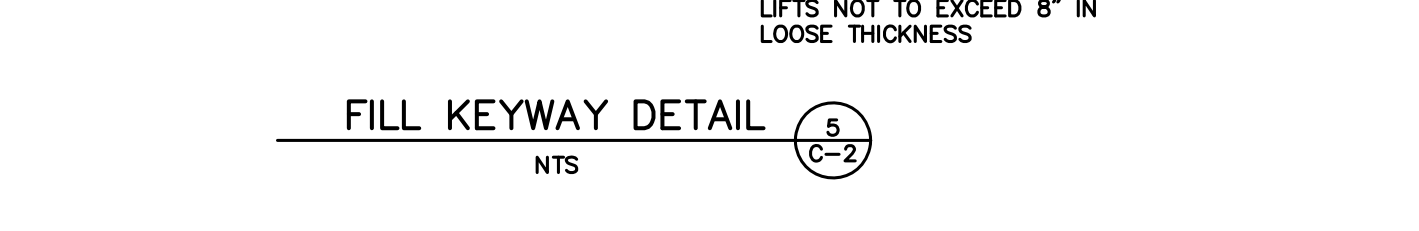
PLAN VIEW



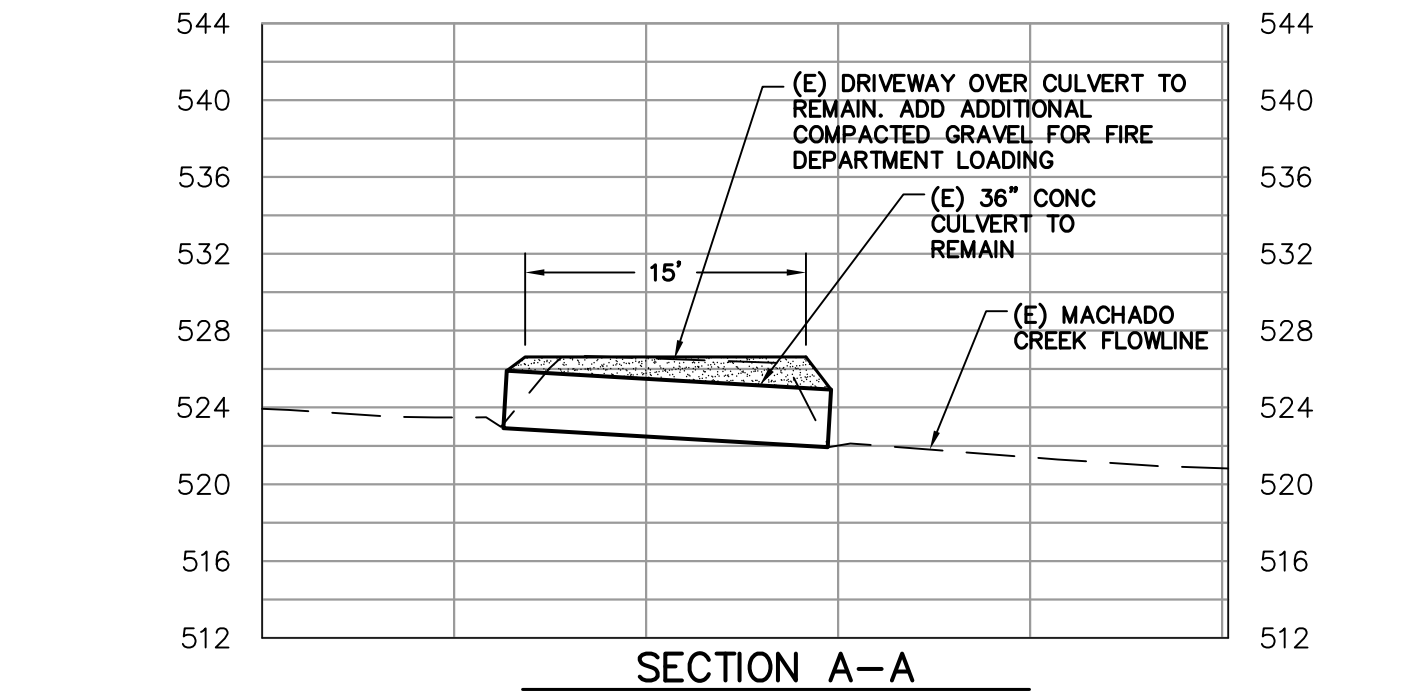
LEVEL SPREADER DETAIL
NTS



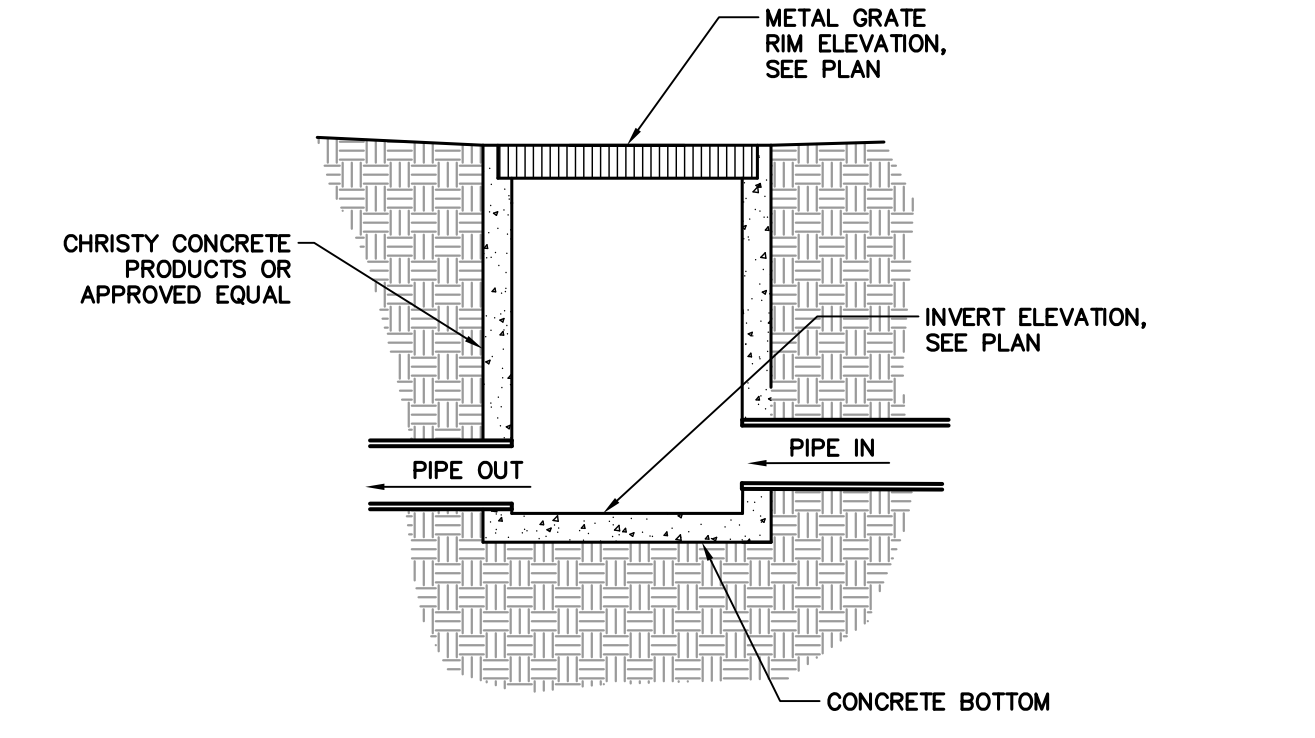
TYPICAL DRIVEWAY DETAIL
NTS



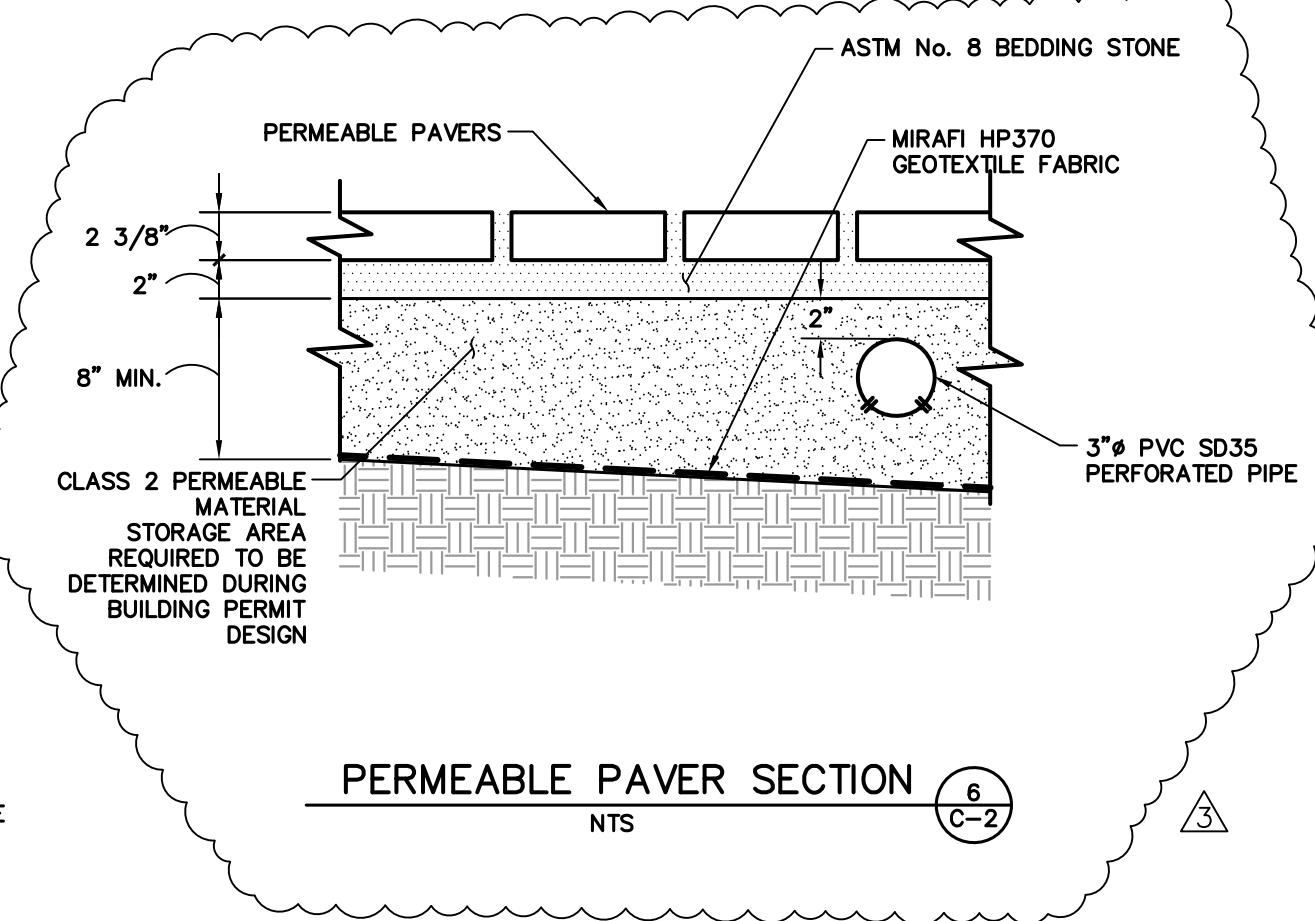
FILL KEYWAY DETAIL
NTS



SECTION A-A
SCALE: 1"=10' HORIZONTAL, VERTICAL



TYPICAL CATCH BASIN DETAIL
NTS

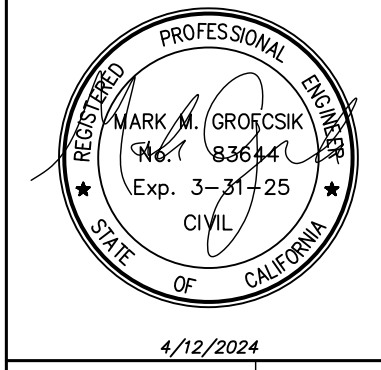


PERMEABLE PAVER SECTION
NTS

EARTHWORK AND GRADING

1. WORK SHALL CONSIST OF ALL CLEARING, GRUBBING, STRIPPING, PREPARATION OF LAND TO BE FILLED, EXCAVATION, SPREADING, COMPACTION AND CONTROL OF FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADES, AND SLOPES, AS SHOWN ON THE APPROVED PLANS.
2. ALL GRADING OPERATIONS SHALL CONFORM TO SECTION 19 OF THE CALTRANS STANDARD SPECIFICATIONS, AND SHALL ALSO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CLARA. THE MOST STRINGENT GUIDELINE SHALL PREVAIL.
3. REFERENCE IS MADE TO THE GEOTECHNICAL INVESTIGATIONS BY C2 EARTH, ENTITLED "GEOTECHNICAL STUDY PROPOSED RESIDENTIAL DEVELOPMENT," DATED JANUARY 29, 2021. THE CONTRACTOR SHALL MAKE A THOROUGH REVIEW OF THIS REPORT AND SHALL FOLLOW ALL RECOMMENDATIONS THEREIN. THE CONTRACTOR SHALL CONTACT C2 EARTH, FOR ANY CLARIFICATIONS NECESSARY PRIOR TO PROCEEDING WITH THE WORK.
4. THE CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLAN AND SHALL SECURE THE SERVICES OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER TO PROVIDE STAKES FOR LINE AND GRADE.
5. THE GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED AT LEAST FOUR (4) DAYS PRIOR TO ANY SITE CLEARING AND GRADING OPERATIONS.
6. THE UPPER 18" OF NATIVE SUBGRADE IN AREAS TO RECEIVE CONCRETE SLABS AND/OR PAVEMENTS SHOULD BE OVEREXCAVATED AND EXPOSED SURFACE SHOULD BE SCARIFIED, MOISTURE CONDITIONED TO PRODUCE A MOISTURE CONTENT WITHIN 4% TO 5% ABOVE THE LABORATORY OPTIMUM VALUE, AND UNIFORMLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION BASED ON ASTM TEST D1557. THE UPPER 6" OF CONCRETE SLAB, AND PAVEMENT SUBGRADE AND BASE SHOULD BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
7. ENGINEERED FILL SHOULD BE PLACED IN THIN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.
8. MATERIAL USED FOR ENGINEERED FILL SHALL MEET THE REQUIREMENTS OF THE FOREMENTIONED REPORTS BY C2 EARTH.
9. IMPORTED FILL MATERIAL USED AS ENGINEERED FILL FOR THE PROJECT SHALL MEET THE FOLLOWING REQUIREMENTS:
Less than 3% organics, free of debris and gravel material, contain no rocks or clods greater than 2.5" in diameter, with no more than 15 percent by weight of rocks larger than 2 1/2". Be granular and have a plasticity index of less than 15, and should have sufficient binder to allow excavations to stand without caving.
10. ALL FILL MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO JOBSITE DELIVERY AND PLACEMENT. NO EARTHWORK OPERATIONS SHALL BE PERFORMED WITHOUT THE DIRECT OBSERVATION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.
11. BARE GROUND WITHIN 10' OF FOUNDATIONS SHALL BE SLOPED AWAY @ 5% MINIMUM OR 2% MINIMUM FOR PAVED SURFACES.

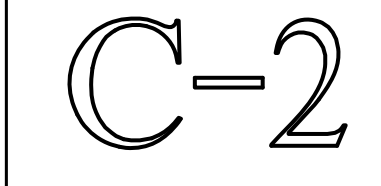
REVISOR PER COUNTY COMMENTS 9/7/2022
REVISOR PER COUNTY COMMENTS 3/10/2023
REVISOR PER COUNTY COMMENTS 4/12/2024

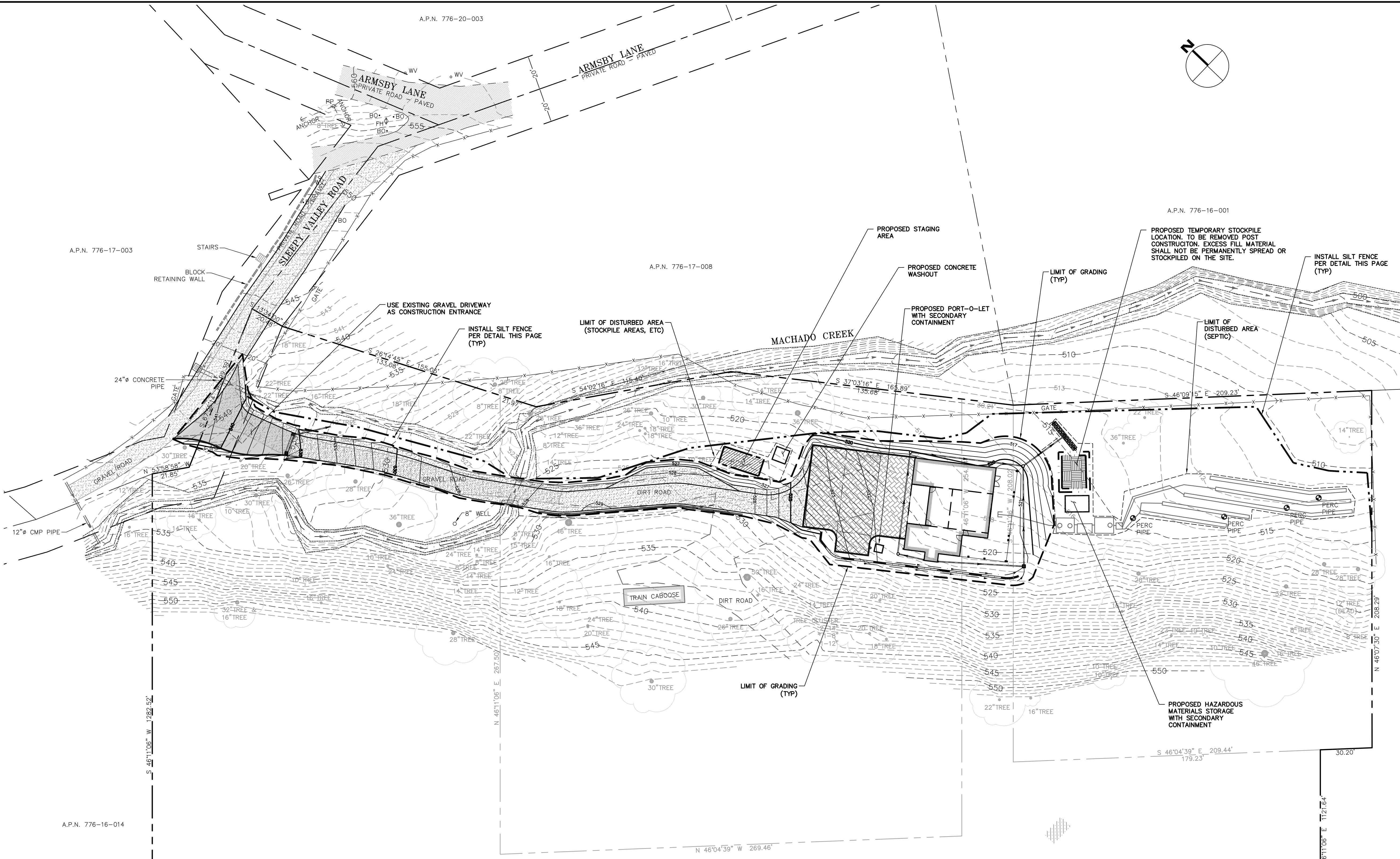


RJI Engineering, Inc.
303 Potrero St., Suite 42-202, Santa Cruz, CA 95060
831-425-3901 www.rjengineering.com

SINGLE FAMILY RESIDENCE
FOR JOSEPH TALAMO
SLEEPY VALLEY ROAD
MORGAN HILL, CA
APN #7776-17-006, -007, -009

project no. 20-041-1
date APRIL 2024
scale AS SHOWN
dwg name CIVIL2.DWG





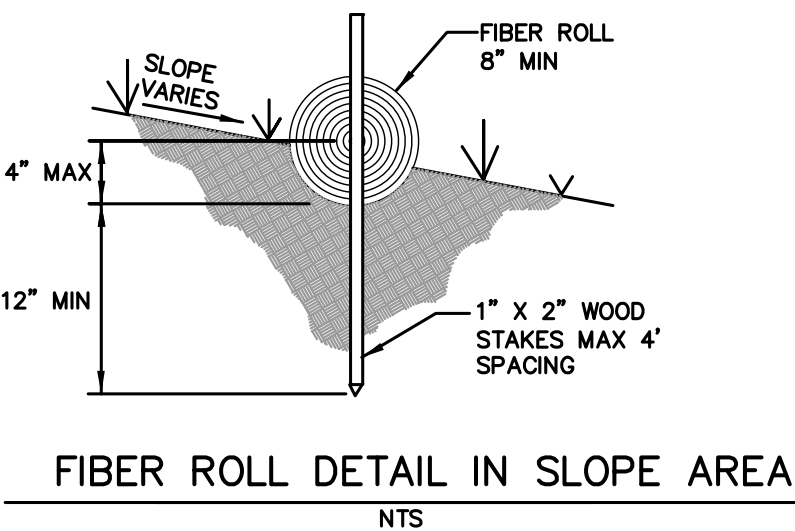
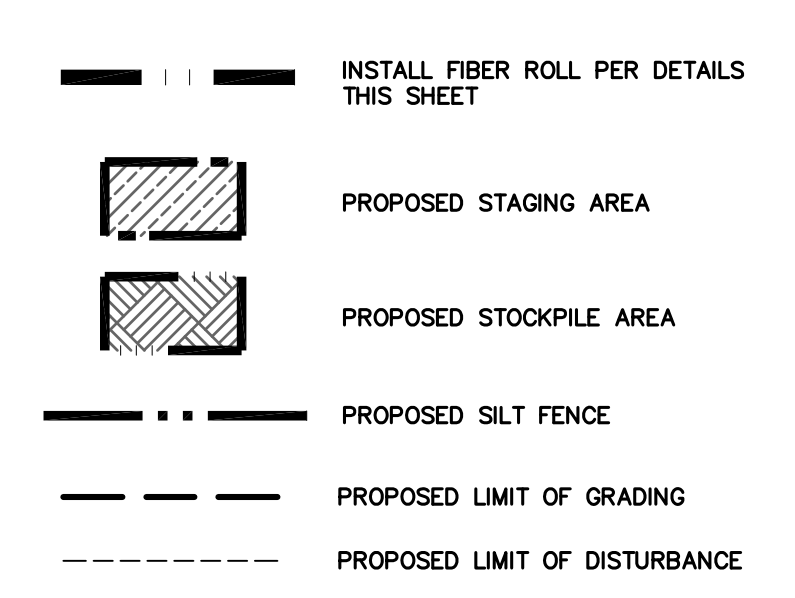
EROSION CONTROL MEASURES

1. EROSION IS TO BE CONTROLLED AT ALL TIMES ALTHOUGH SPECIFIC MEASURES SHOWN. DURING THE PERIOD OF OCTOBER 15TH TO APRIL 15TH, SHOWN MEASURES SHALL BE INSTALLED BY THE TIME OF THE INITIAL "GRADE STAKE" INSPECTION.
2. ALL FILL SLOPES SHALL BE COMPACTED AND LEFT IN A SMOOTH FIRM CONDITION CAPABLE OF WITHSTANDING WEATHERING.
3. ALL DITCHES SHALL BE LINED WITH GRASS OR 4" HAND PLACED COBBLE
4. ALL EXPOSED DISTURBED AREAS SHALL BE SEEDED AT A RATE OF 5# BROME SEED PER 1000 SF SEEDING AND WATERING SHALL BE MAINTAINED TO ENSURE GROWTH.
5. ALL STORM DRAINAGE STRUCTURES SHALL BE INSTALLED WITH EFFECTIVE ENTRANCE AND 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
6. PLANTING SHALL BE COMPLETED NOT MORE THAN 90 DAYS AFTER COMPLETION OF GRADING
7. THE DESIRED END RESULT OF THESE MEASURES IS TO CONTROL SITE EROSION AND PREVENT SEDIMENT TRANSPORT OFF THE SITE. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ANY ADDITIONAL MEASURES NECESSARY TO MEET THIS GOAL ARE IMPLEMENTED. IF FAILED INSPECTIONS BY COUNTY STAFF SHOW THIS GOAL IS NOT BEING MET, ADDITIONAL MEASURES MAY BE REQUIRED.
8. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
9. IN ADDITION TO NOTE 4 ABOVE, SLOPES GREATER THAN 15' VERTICAL HEIGHT SHALL BE PLANTED WITH SHRUBS IN 2 1/2" POTS OR LARGER, SPACED AT INTERVALS OF 10' OR LESS ON CENTERS, OR TREES HAVING A ONE GALLON MINIMUM SIZE AT 20' INTERVALS, OR A COMBINATION OF TREES AND SHRUBS AT A SPACING APPROPRIATE TO THE SPECIES. THE PLANTS SELECTED AND THE PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATE CONDITIONS OF THE SITE.

EXPOSED SLOPE MEASURES

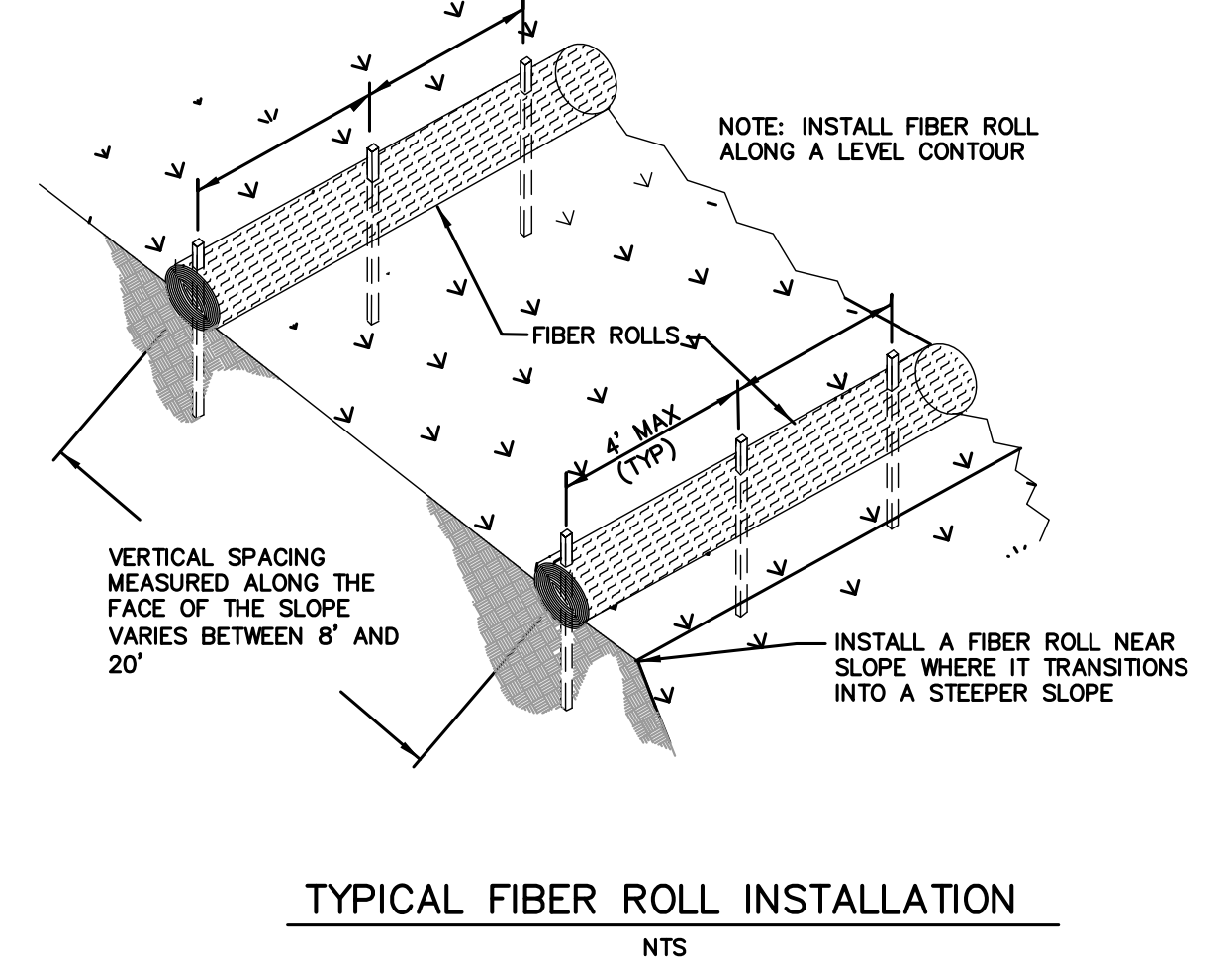
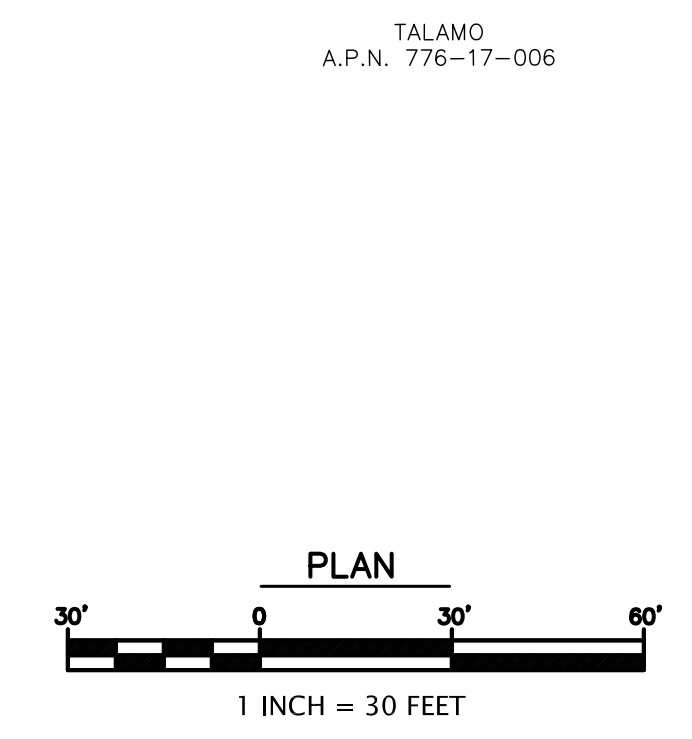
1. COVER ALL EXPOSED SLOPES
2. STRAW 2 TONS/ACRE ON SLOPES $\leq 20\%$ WITH SOIL BINDER
3. USE NORTH AMERICAN GREEN C125 OR EQUAL ON SLOPES >20%

EROSION CONTROL LEGEND



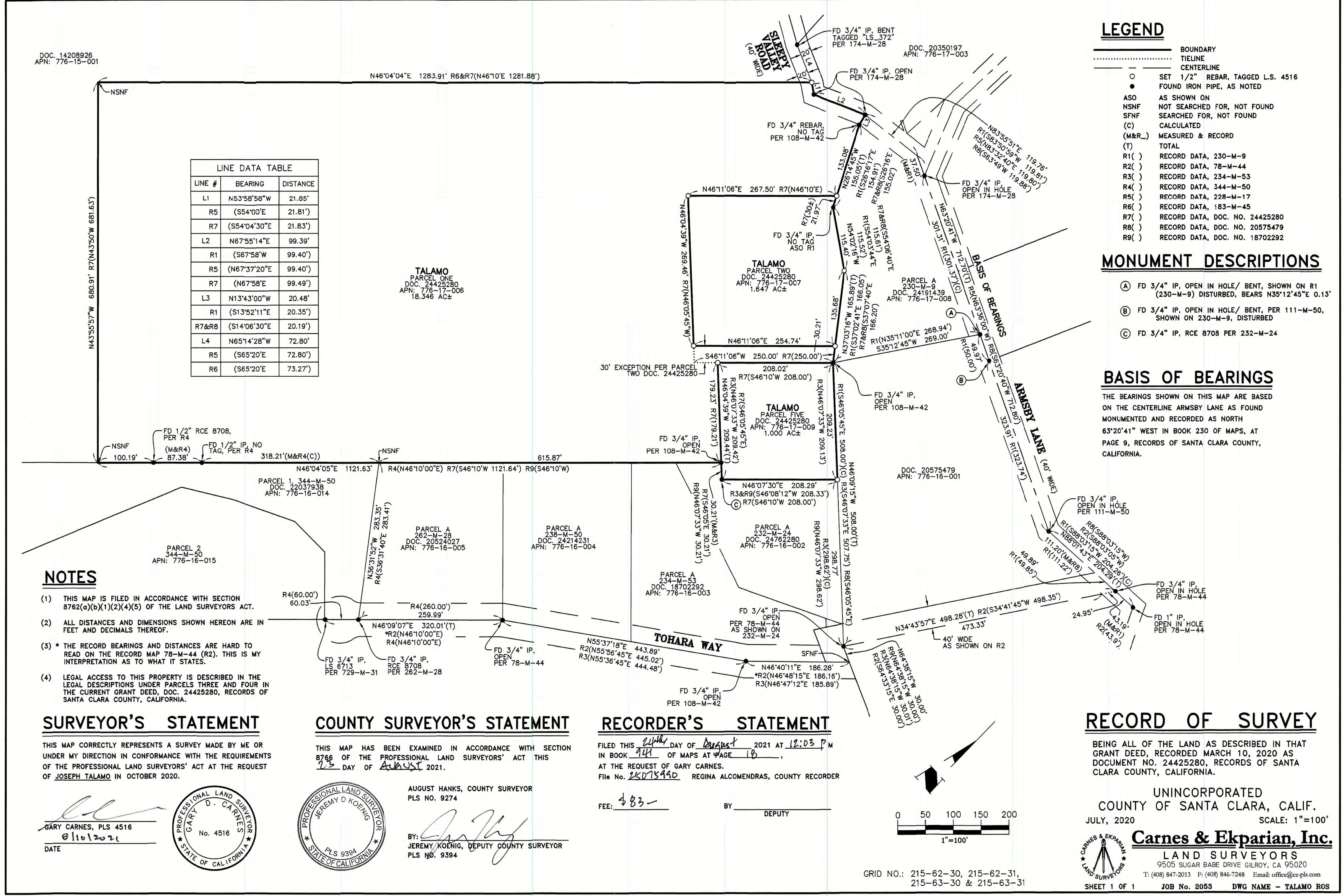
BIOLOGICAL RESOURCES NOTES

- A) IF LAND-CLEARING ACTIVITIES CAN BE PERFORMED OUTSIDE OF THE NESTING SEASON, THAT IS, BETWEEN AUGUST 16 AND JANUARY 31, NO SURVEYS FOR GROUND-NESTING AND/OR TREE-NESTING PASSERINES ARE WARRANTED. THE SURVEY AREA SHOULD INCLUDE ALL TREES, BUSHES, GRASSLAND AND STRUCTURES WITHIN 200 FEET OF THE LIMITS OF WORK. THE PURPOSE OF PRE-CONSTRUCTION CONSTRUCTION SURVEYS IS TO DETERMINE IF OCCUPIED NESTS ARE PRESENT WITHIN THE ZONE OF INFLUENCE OF THE PROJECT.
- B) IF LAND-CLEARING ACTIVITIES ARE TO COMMENCE BETWEEN FEBRUARY 1 AND AUGUST 15, A PRE-CONSTRUCTION SURVEY FOR GROUND-NESTING AND/OR TREE-NESTING PASSERINES MUST BE CONDUCTED PRIOR TO THE INITIATION OF WORK. THE SURVEY AREA SHOULD INCLUDE ALL TREES, BUSHES, GRASSLAND AND STRUCTURES WITHIN 100 FEET OF THE LIMITS OF WORK. THE PURPOSE OF PRE-CONSTRUCTION SURVEYS IS TO DETERMINE IF OCCUPIED NESTS ARE PRESENT WITHIN THE ZONE OF INFLUENCE OF THE PROJECT.
- C) DEPENDING ON THE TIME OF YEAR AND DEPENDING ON THE RESULTS OF THE PRE-CONSTRUCTION SURVEYS, IT MIGHT BE NECESSARY THAT CONSTRUCTION ACTIVITIES COMMENCE WITHIN ONE WEEK OF THE SURVEY EARLY IN THE BREEDING SEASON TO AS LONG AS 30 DAYS LATE IN THE BREEDING SEASON, AS RECOMMENDED BY THE WILDLIFE BIOLOGIST. IF CONSTRUCTION IS NOT INITIATED WITHIN THESE WINDOWS, IT MIGHT BE NECESSARY TO REPEAT THE PRE-CONSTRUCTION SURVEYS.
- D) IF ANY OCCUPIED GROUND-NESTING AND/OR TREE-NESTING PASSERINE NESTS ARE FOUND WITHIN THE ZONE OF INFLUENCE, GRADING AND CONSTRUCTION SHALL BE PROHIBITED WITHIN AN APPROPRIATE SETBACK (IN GENERAL, 75-100 FEET, DEPENDING ON LINES OF SIGHT AND THE SPECIES IN QUESTION), AS APPROVED BY A QUALIFIED BIOLOGIST. WORK WITHIN THE SETBACK MUST BE DELAYED UNTIL AFTER THE YOUNG HAVE FLEDGED, AS DETERMINED DURING SURVEYS BY A QUALIFIED BIOLOGIST, OR UNTIL AFTER AUGUST 15.



REVISED PER COUNTY COMMENTS 9/7/2022	PROFESSIONAL ENGINEER MARK A. GROSSKOPF Exp. 3-31-25 CIVIL STATE OF CALIFORNIA 4/12/2024
REVISED PER COUNTY COMMENTS 3/10/2023	<p>R.I. Engineering, Inc. 303 Potrero St., Suite 42-202, Santa Cruz, CA 95060 831-425-3901 www.rengineering.com</p>
REVISED PER COUNTY COMMENTS 4/12/2024	
<p>SINGLE FAMILY RESIDENCE FOR JOSEPH TALAMO SLEEPY VALLEY ROAD MORGAN HILL, CA APN #776-17-006, -007, -009</p>	
project no. 20-041-1	EROSION CONTROL PLAN
date APRIL 2024	
scale AS SHOWN	
dwg name CIVIL2.DWG	

CONFORMED COPY: This document has not been compared with the original.
SANTA CLARA COUNTY CLERK-RECORDER



LINE DATA TABLE

LINE #	BEARING	DISTANCE
L1	N53°58'58"W	21.85'
R5	(S54°00'E)	21.81'
R7	(S54°04'30"E)	21.83'
L2	N67°55'14"E	99.39'
R1	(S67°58'W)	99.40'
R5	(N67°37'20"E)	99.40'
R7	(N67°58'E)	99.49'
L3	N13°43'00"W	20.48'
R1	(S13°52'11"E)	20.35'
R7&R8	(S14°06'30"E)	20.19'
L4	N65°14'28"W	72.80'
R5	(S65°20'E)	72.80'
R6	(S65°20'E)	73.27'

- LEGEND**
- BOUNDARY
 - CENTERLINE
 - SET 1/2" REBAR, TAGGED L.S. 4516
 - FOUND IRON PIPE, AS NOTED
 - ASO AS SHOWN ON
 - NSNF NOT SEARCHED FOR, NOT FOUND
 - SNF SEARCHED FOR, NOT FOUND
 - (C) CALCULATED
 - (M&R) MEASURED & RECORD
 - (T) TOTAL
 - R1() RECORD DATA, 230-M-9
 - R2() RECORD DATA, 78-M-44
 - R3() RECORD DATA, 234-M-53
 - R4() RECORD DATA, 344-M-50
 - R5() RECORD DATA, 228-M-17
 - R6() RECORD DATA, 183-M-45
 - R7() RECORD DATA, DOC. NO. 24425280
 - R8() RECORD DATA, DOC. NO. 20575479
 - R9() RECORD DATA, DOC. NO. 18702292

- MONUMENT DESCRIPTIONS**
- Ⓐ FD 3/4" IP, OPEN IN HOLE/ BENT, SHOWN ON R1 (230-M-9) DISTURBED, BEARS N35°12'45"E 0.13'
 - Ⓑ FD 3/4" IP, OPEN IN HOLE/ BENT, PER 111-M-50, SHOWN ON 230-M-9, DISTURBED
 - Ⓒ FD 3/4" IP, RCE 8708 PER 232-M-24

BASIS OF BEARINGS

THE BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CENTERLINE ARMSBY LANE AS FOUND MONUMENTED AND RECORDED AS NORTH 63°20'41" WEST IN BOOK 230 OF MAPS, AT PAGE 9, RECORDS OF SANTA CLARA COUNTY, CALIFORNIA.

- NOTES**
- (1) THIS MAP IS FILED IN ACCORDANCE WITH SECTION 8762(a)(b)(1)(2)(4)(5) OF THE LAND SURVEYORS ACT.
 - (2) ALL DISTANCES AND DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.
 - (3) * THE RECORD BEARINGS AND DISTANCES ARE HARD TO READ ON THE RECORD MAP 78-M-44 (R2). THIS IS MY INTERPRETATION AS TO WHAT IT STATES.
 - (4) LEGAL ACCESS TO THIS PROPERTY IS DESCRIBED IN THE LEGAL DESCRIPTIONS UNDER PARCELS THREE AND FOUR IN THE CURRENT GRANT DEED, DOC. 24425280, RECORDS OF SANTA CLARA COUNTY, CALIFORNIA.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF JOSEPH TALAMO IN OCTOBER 2020.

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8768 OF THE PROFESSIONAL LAND SURVEYORS' ACT THIS 17th DAY OF August 2021.

RECORDER'S STATEMENT

FILED THIS 17th DAY OF August 2021 AT 12:03 P.M. IN BOOK 211 OF MAPS AT PAGE 18, AT THE REQUEST OF GARY CARNES. FILE NO. 25075990 REGINA ALCOMENDRAS, COUNTY RECORDER

RECORD OF SURVEY

BEING ALL OF THE LAND AS DESCRIBED IN THAT GRANT DEED, RECORDED MARCH 10, 2020 AS DOCUMENT NO. 24425280, RECORDS OF SANTA CLARA COUNTY, CALIFORNIA.

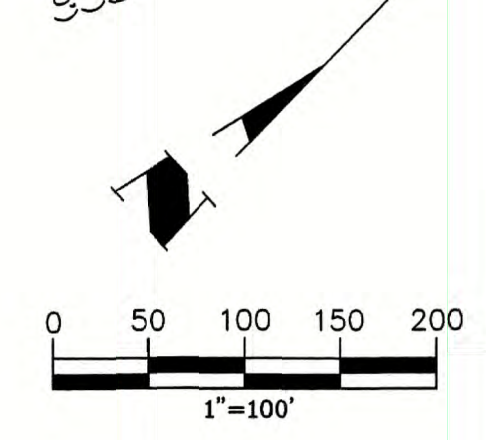
GARY CARNES, PLS 4516
DATE 08/18/2021



AUGUST HANKS, COUNTY SURVEYOR
PLS NO. 9274

BY: JEREMY KOENIG, DEPUTY COUNTY SURVEYOR
PLS NO. 9394

FEE: \$ 83- BY: DEPUTY



UNINCORPORATED COUNTY OF SANTA CLARA, CALIF.
JULY, 2020 SCALE: 1"=100'

Carnes & Ekparian, Inc.
LAND SURVEYORS
9505 SUGAR BABE DRIVE GILROY, CA 95020
T: (408) 847-2013 F: (408) 846-7248 Email: office@ce-pls.com

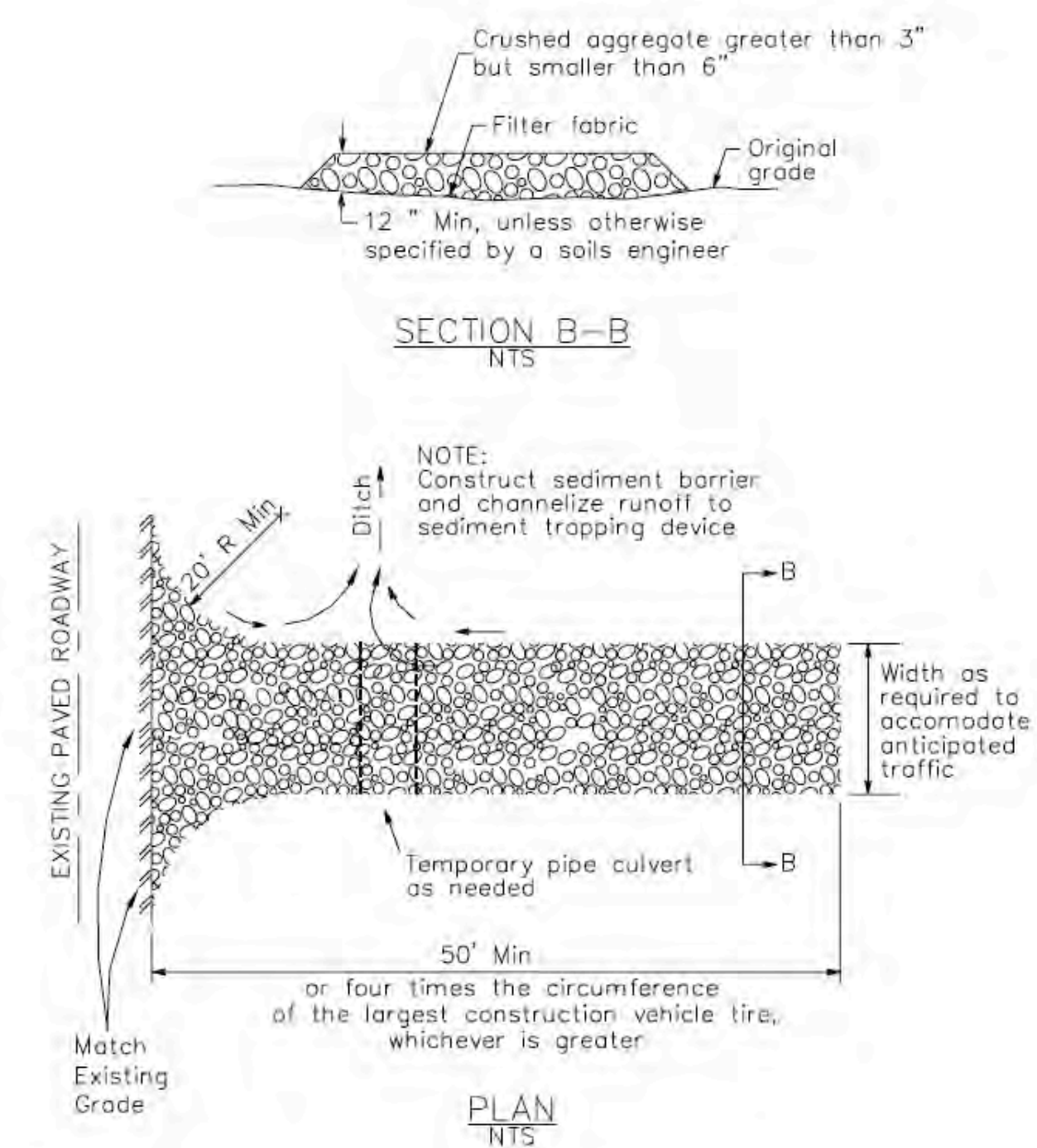
SHEET 1 OF 1 JOB No. 2053 DWG NAME - TALAMO ROS

CONFORMED COPY 25075990

#18.

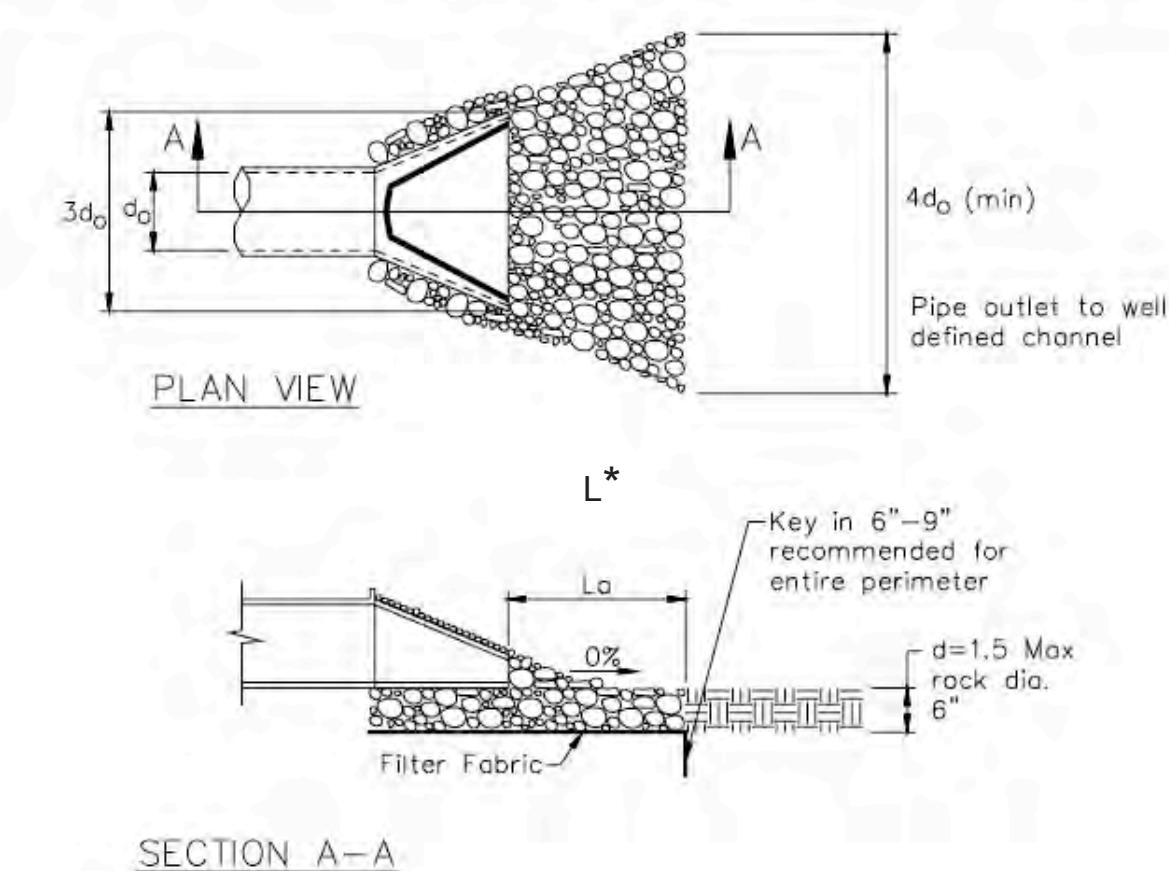
3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



4 Velocity Dissipation Devices

CASQA Detail EC-10

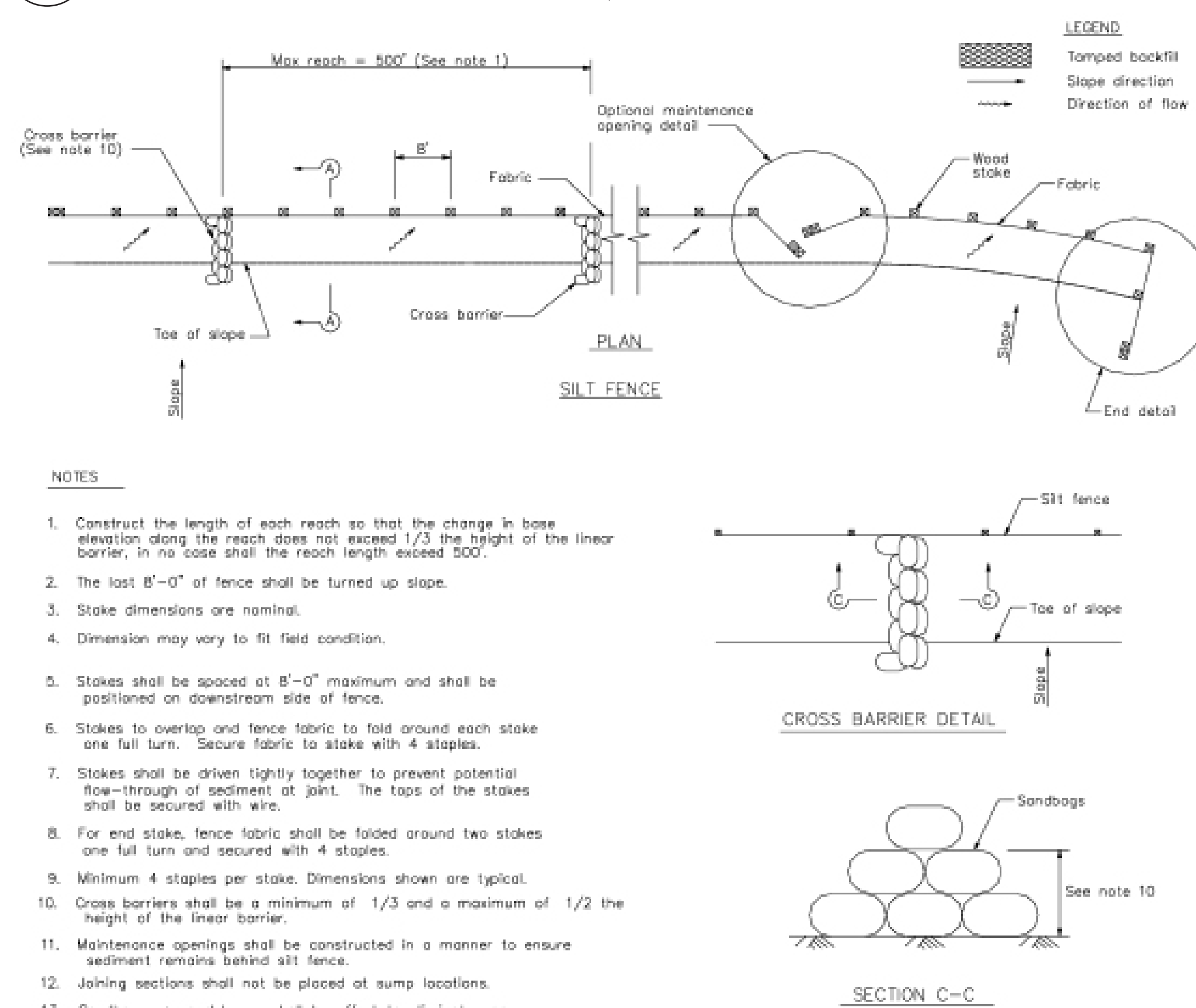


* Length per ABAG Design Standards

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

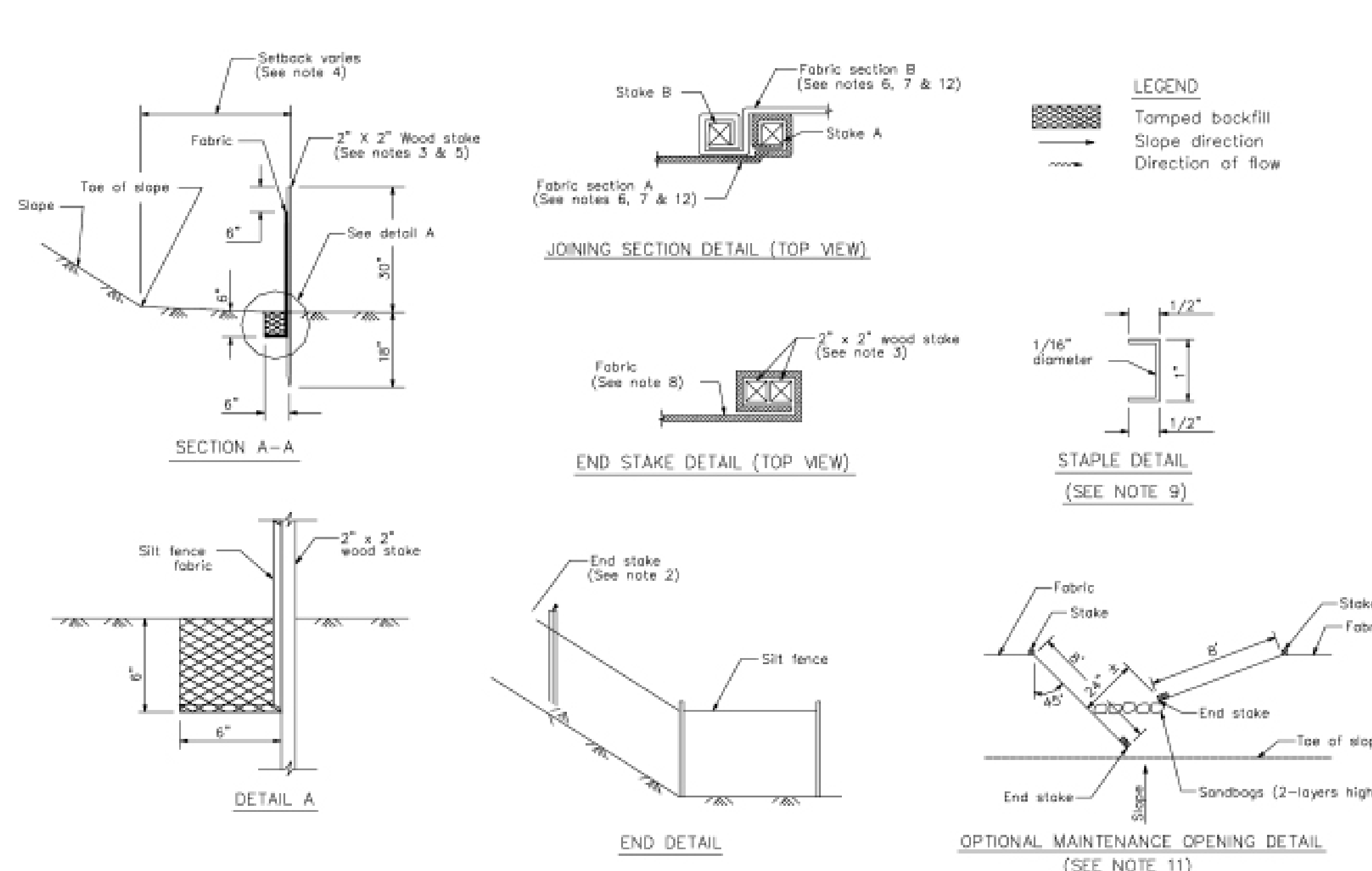
1 Silt Fence

CASQA Detail SE-1



2 Silt Fence

CASQA Detail SE-1



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

- 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.

Project Information

NEW RESIDENCE
FOR
APPLICANT: TALAMO
ROAD: SLEEPY VALLEY ROAD
COUNTY FILE NO.

JOSEPH TALAMO
SLEEPY VALLEY ROAD
APN: 776-17-006, -007, -009
PROJECT #20-041-1

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

Best Management Practices and Erosion Control Details Sheet 1

County of Santa Clara

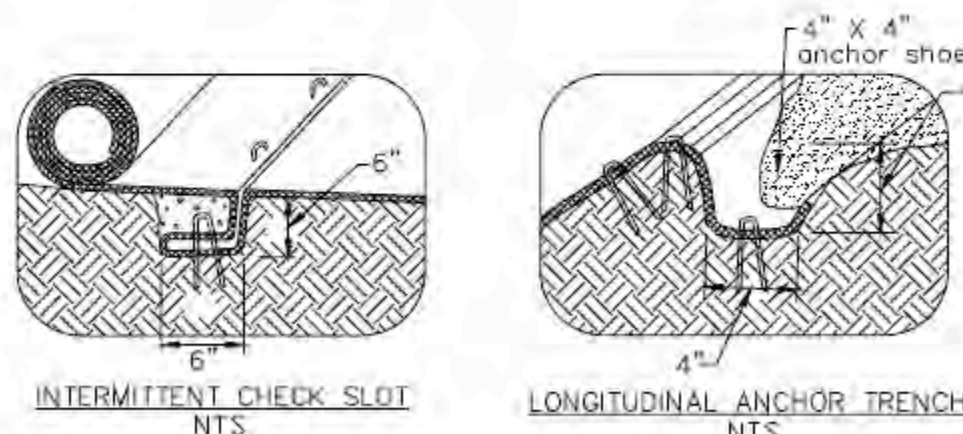
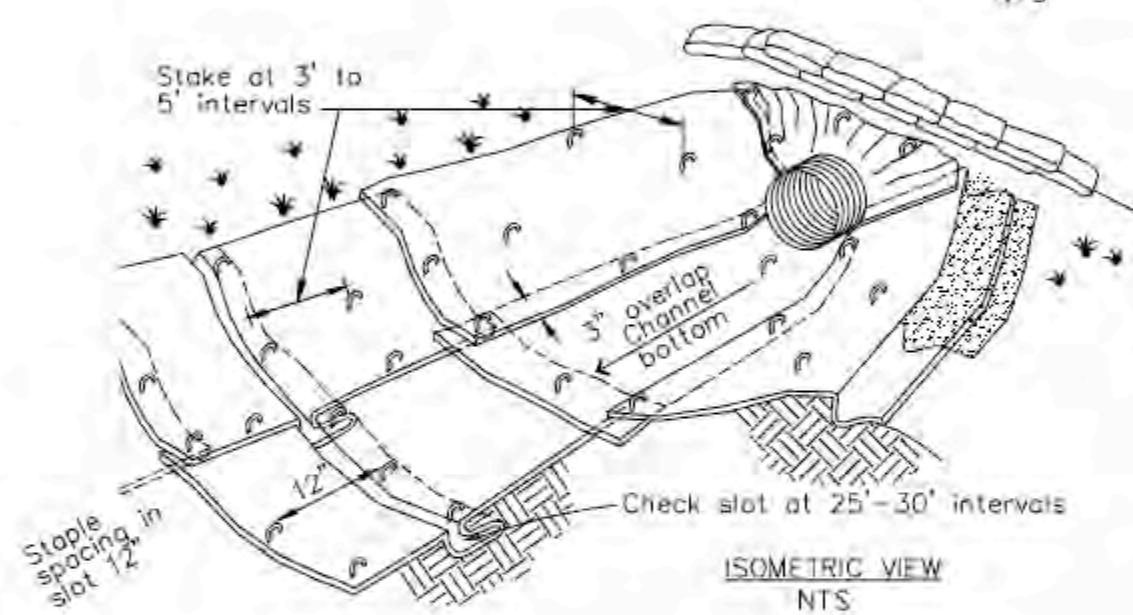
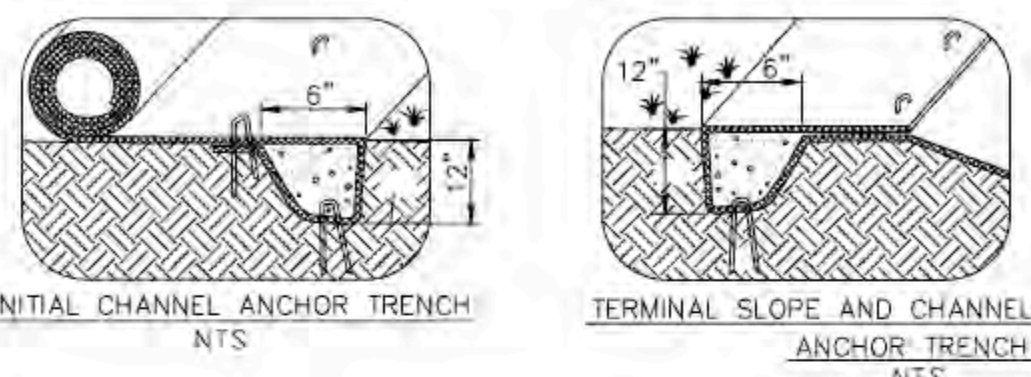


BMP-1

7

Geotextiles and Mats

CASQA Detail EC-7



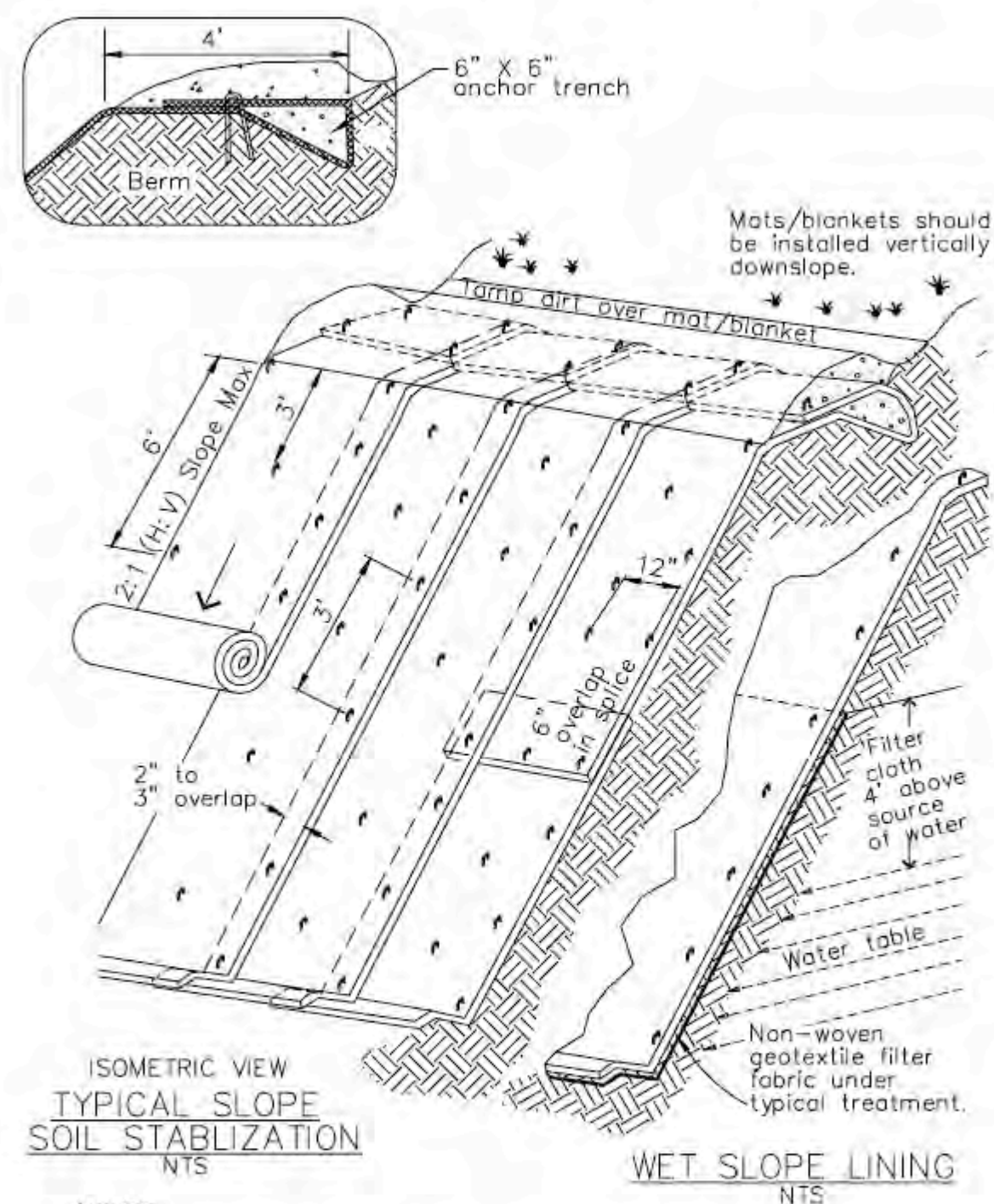
- NOTES:
1. Check slots to be constructed per manufacturer's specifications.
 2. Staking or stapling layout per manufacturer's specifications.
 3. Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

5

Geotextiles and Mats

CASQA Detail EC-7



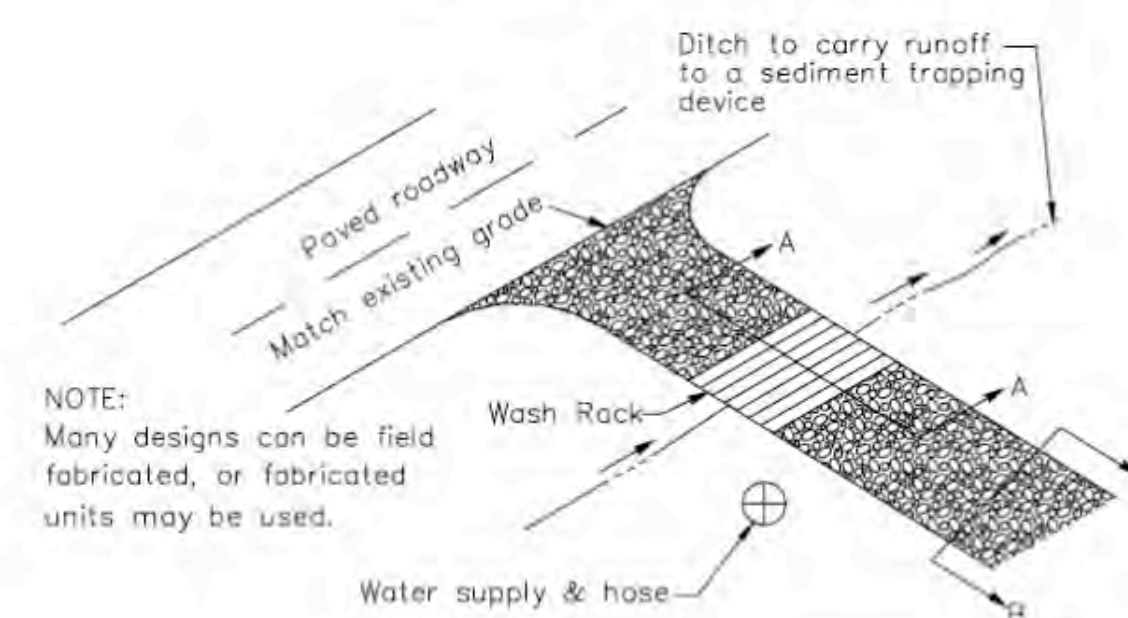
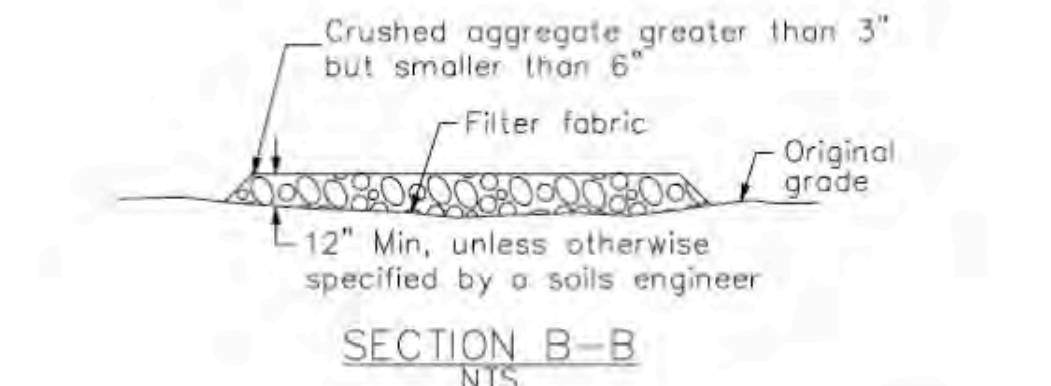
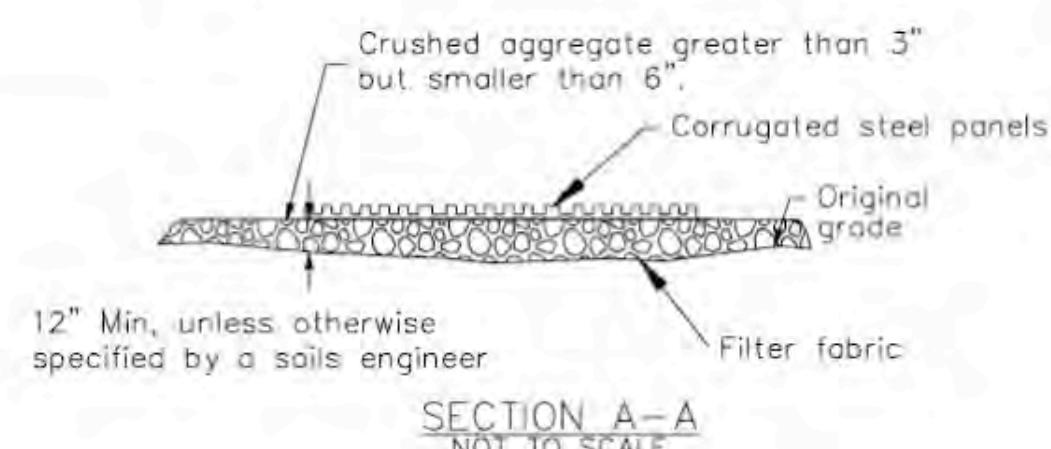
- NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
 2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 3. Install per manufacturer's recommendations.

TYPICAL INSTALLATION DETAIL

3

Entrance/Outlet Tire Wash

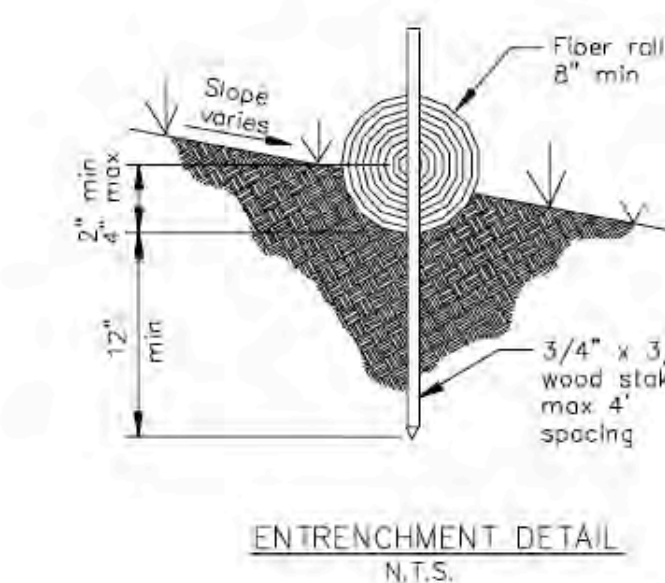
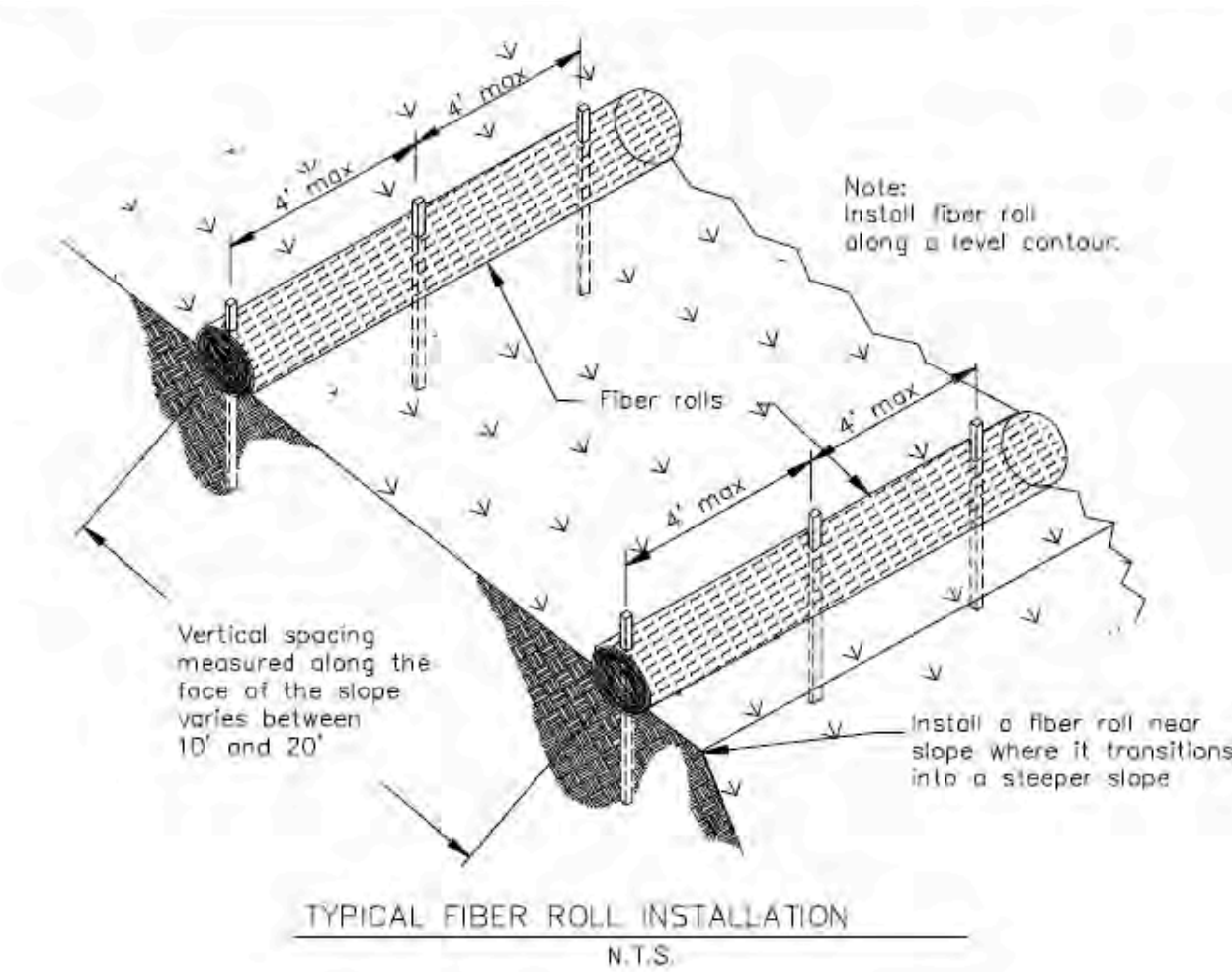
CASQA Detail TC-3



1

Fiber Rolls

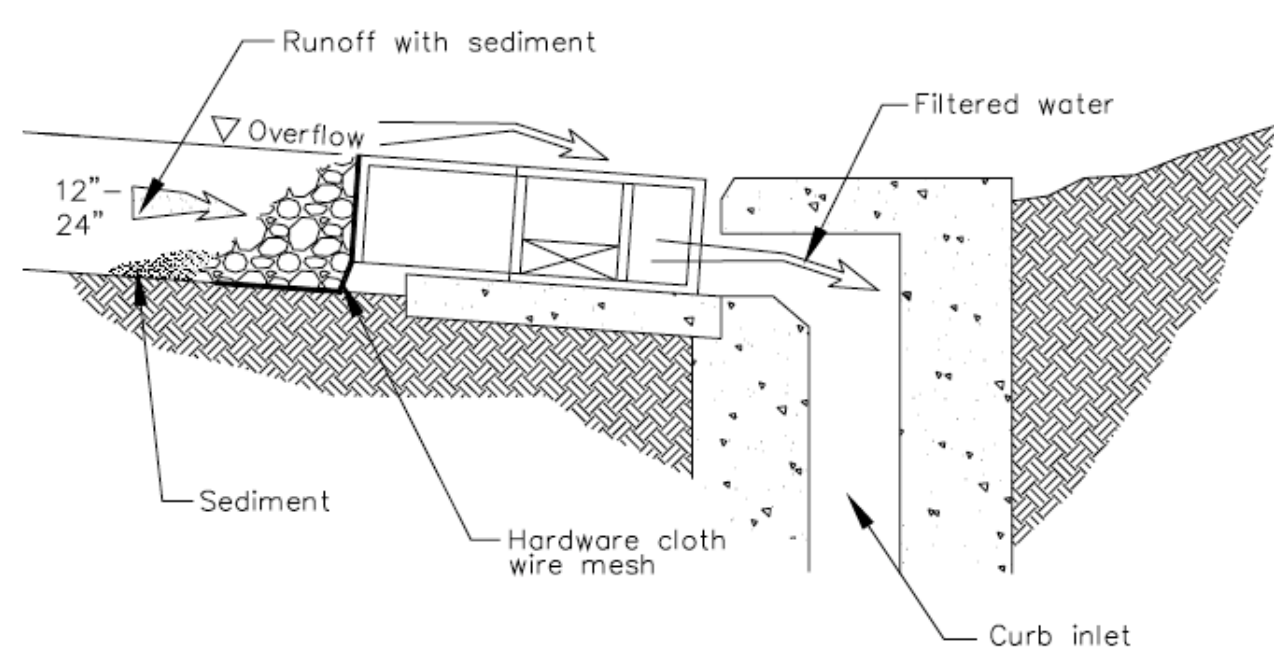
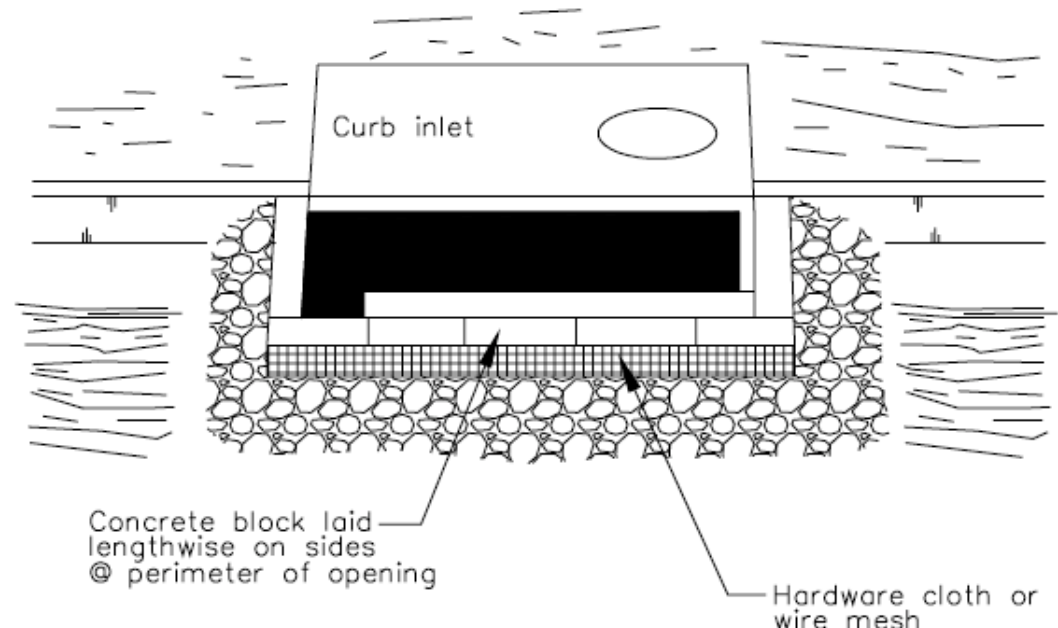
CASQA Detail SE-5



8

Storm Drain Inlet Protection

CASQA Detail SE-10

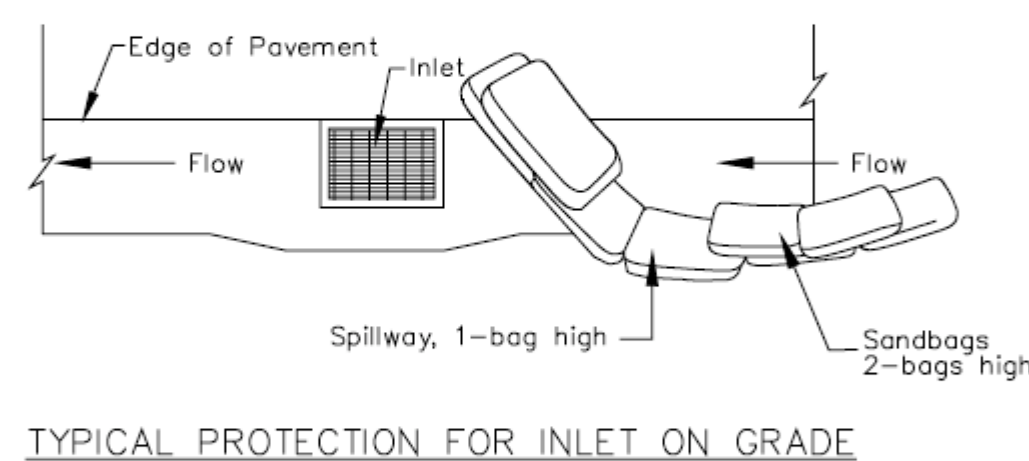
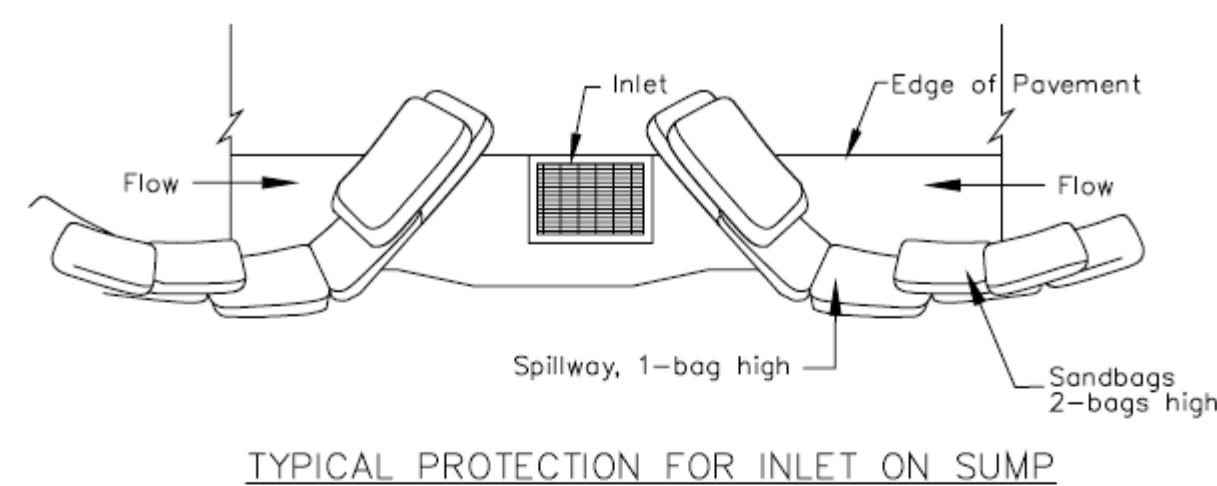


Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

6

Storm Drain Inlet Protection

CASQA Detail SE-10



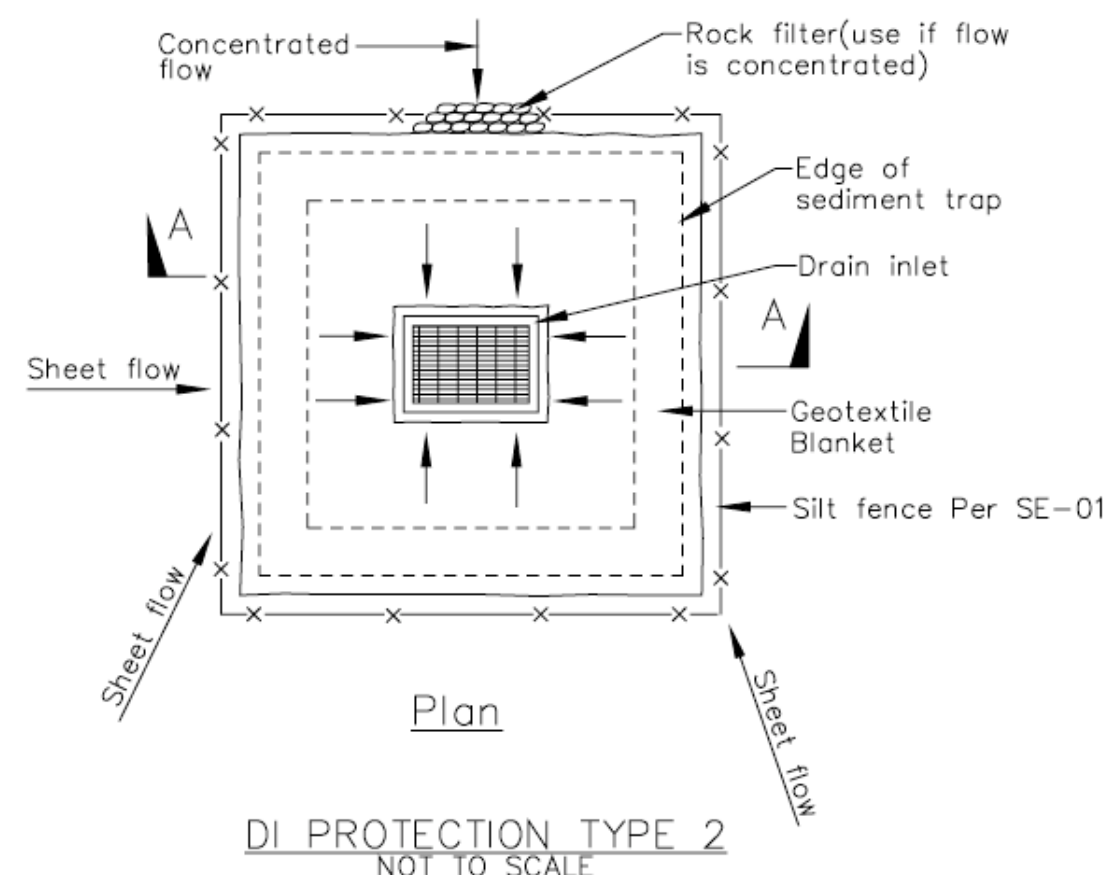
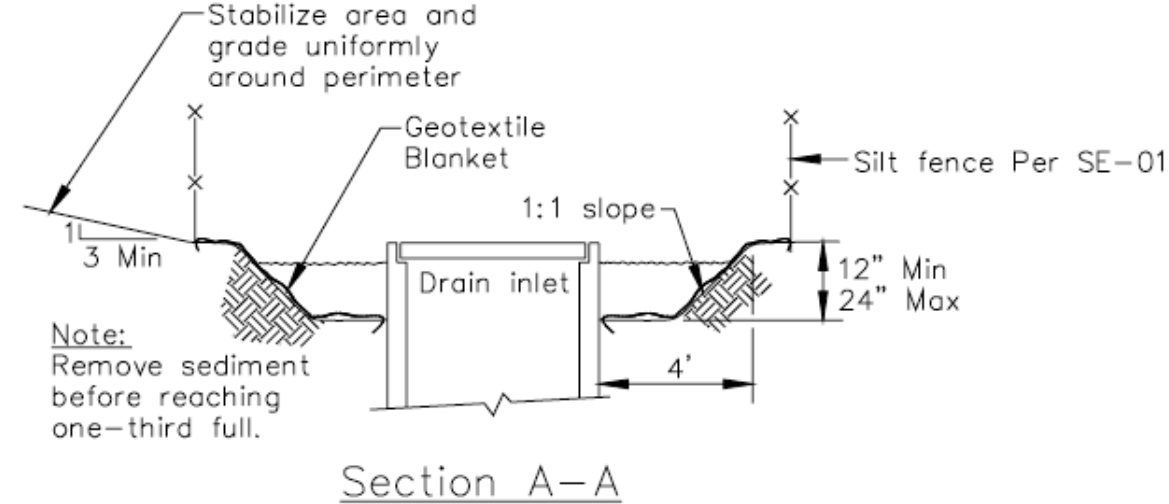
- NOTES:
1. Intended for short-term use.
 2. Use to inhibit non-storm water flow.
 3. Allow for proper maintenance and cleanup.
 4. Bags must be removed after adjacent operation is completed.
 5. Not applicable in areas with high silts and clays without filter fabric.

DI PROTECTION TYPE 3
NOT TO SCALE

4

Storm Drain Inlet Protection

CASQA Detail SE-10

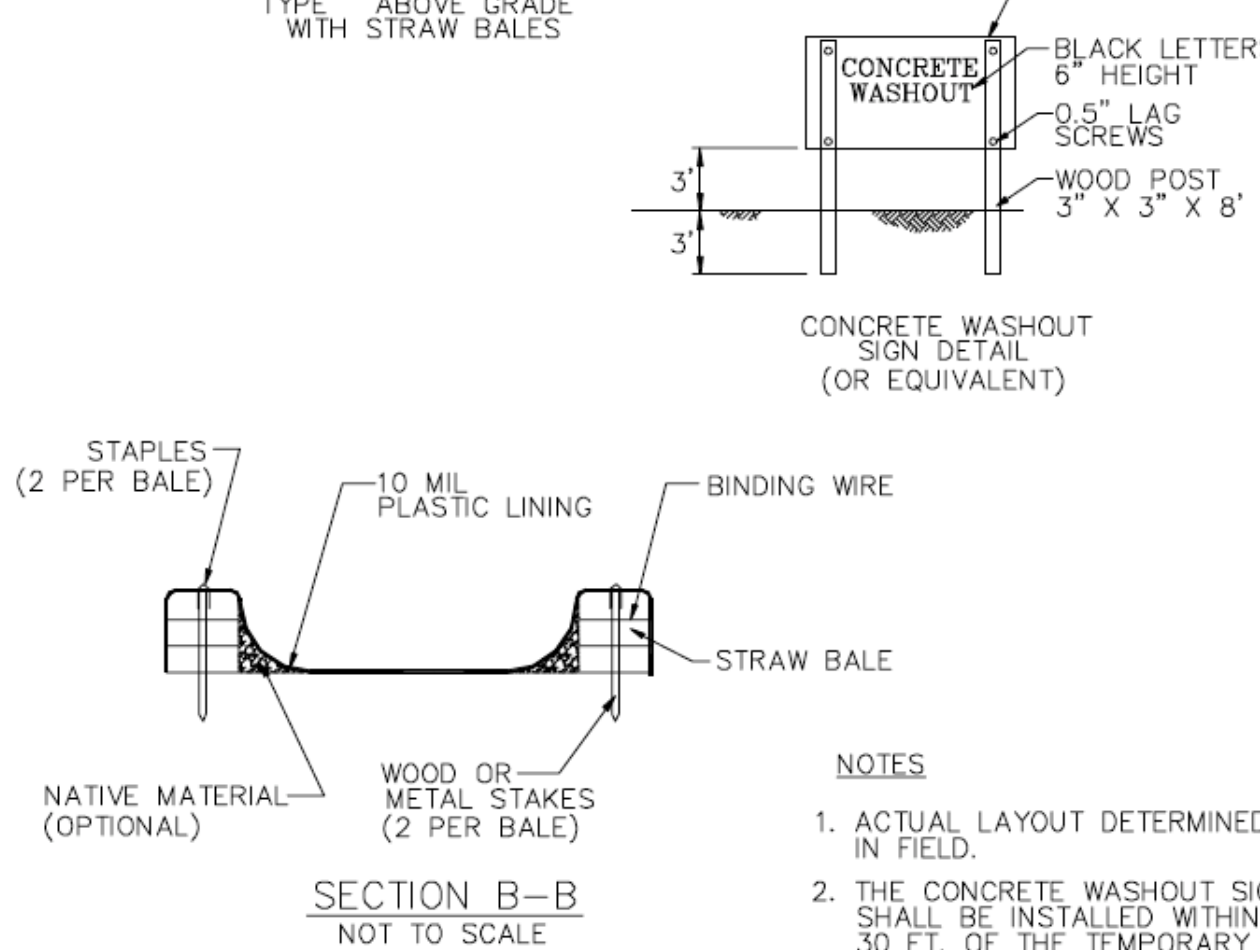
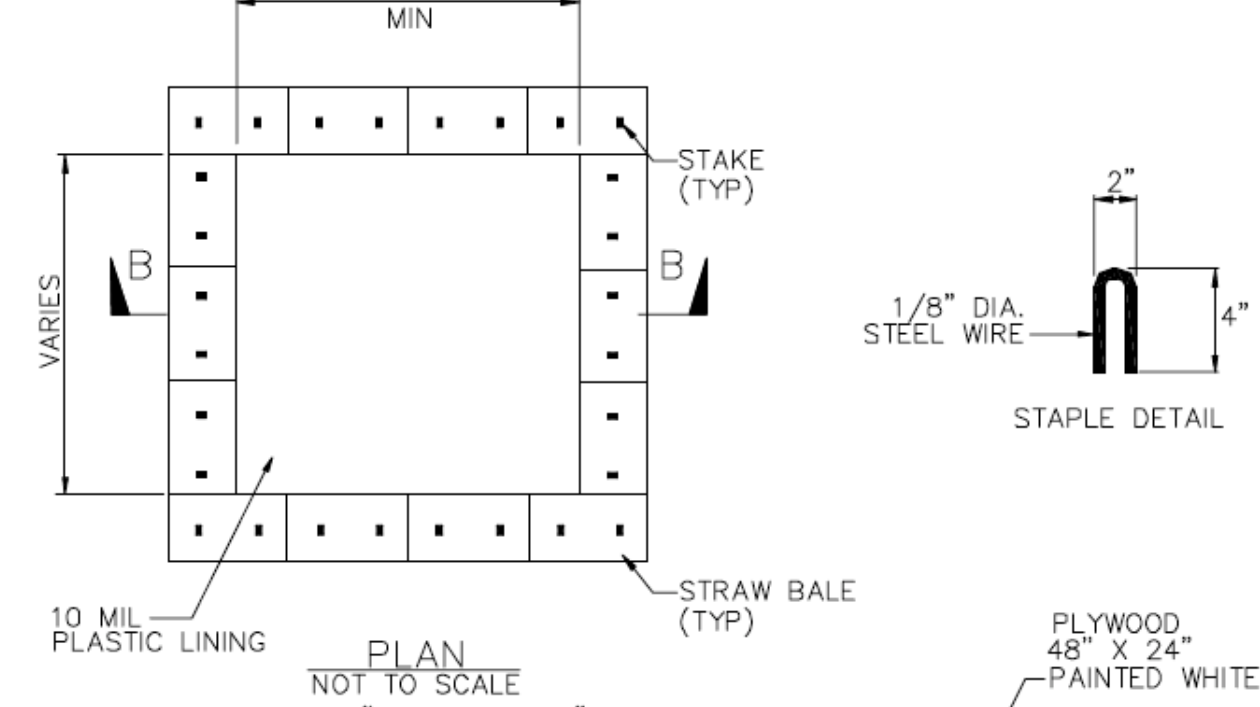


- Notes
1. For use in cleared and grubbed and in graded areas.
 2. Shape basin so that longest inflow area faces longest length of trap.
 3. For concentrated flows, shape basin in 2:1 ratio with length oriented towards direction of flow.

2

Concrete Waste Management

CASQA Detail WM-8



Project Information

NEW RESIDENCE
FOR
JOSEPH TALAMO
SLEEPY VALLEY ROAD
APN: 776-17-006, -007, -009
PROJECT #20-041-1

APPLICANT: TALAMO
ROAD: SLEEPY VALLEY ROAD
COUNTY FILE NO.

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

