

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 ... ENGINEERING COMPANY, INC...

CONSTRUCTION STAKING

- 1. THE DEVELOPER'S ENGINEER IS RESPONSIBLE FOR THE INITIAL PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES...

CONSTRUCTION INSPECTION

- 1. CONTRACTOR SHALL NOTIFY PERMIT INSPECTION UNIT, SANTA CLARA COUNTY PRIOR TO COMMENCING WORK AND FOR FINAL INSPECTION OF WORK AND SITE...

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:

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...

RETAINING WALLS

- 1. REINFORCED CONCRETE AND CONCRETE MASONRY UNIT RETAINING WALLS SHALL HAVE FOUNDATION AND REINFORCEMENT INSPECTED BY THE COUNTY ENGINEERING INSPECTOR...

GRADING

- 1. EXCAVATED MATERIAL SHALL BE PLACED IN THE FILL AREAS DESIGNATED OR SHALL BE HAULED AWAY FROM THE SITE TO A COUNTY APPROVED DISPOSAL SITE...

Table with 4 columns: LOCATION, CUT C.Y., FILL C.Y., VERT. DEPTH CUT/FILL. Includes rows for SFR, GARAGE, YARD, NO.2 and SFR, GARAGE, YARD, NO.1.

- NOTE: FILL VOLUMES INCLUDE 10% SHRINKAGE EXCESS MATERIAL SHALL BE OFF HAULED TO A COUNTY APPROVED DUMP SITE.

TREE PROTECTION

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

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...

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...

AIR QUALITY, LANDSCAPING AND EROSION CONTROL

- 1. WATER ALL ACTIVE CONSTRUCTION AREAS AT LEAST TWICE DAILY.

STORM DRAINAGE AND STORMWATER MANAGEMENT

- 1. DEVELOPER IS RESPONSIBLE FOR ALL NECESSARY DRAINAGE FACILITIES WHETHER SHOWN ON THE PLANS OR NOT AND HE OR HIS SUCCESSOR PROPERTY OWNERS ARE RESPONSIBLE FOR THE ADEQUACY AND CONTINUED MAINTENANCE...

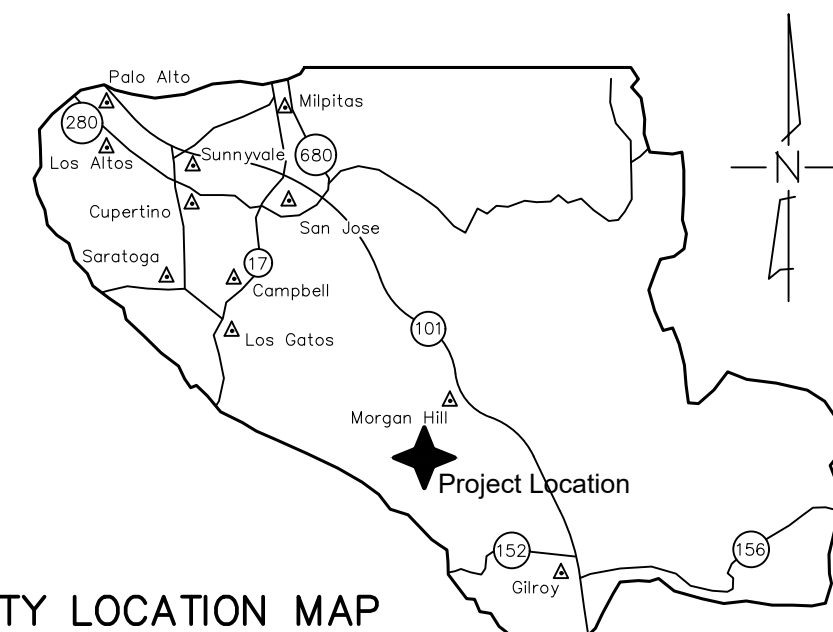
AS-BUILT PLANS STATEMENT

THIS IS A TRUE COPY OF THE AS-BUILT PLANS. THERE (\_\_\_) WERE) (\_\_\_) WERE NOT) MINOR FIELD CHANGES - MARKED WITH THE SYMBOL (\*)...

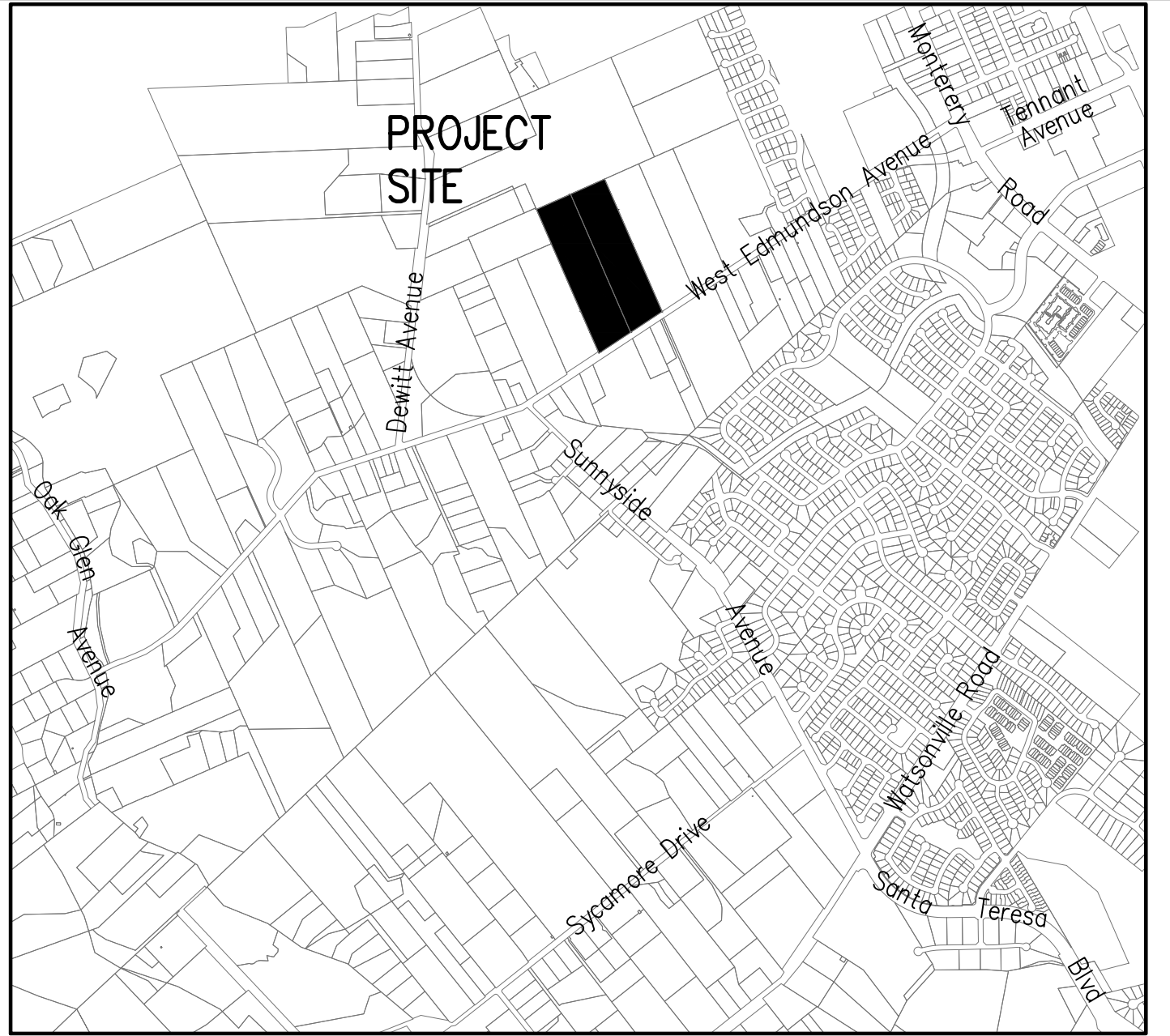
NOTE: THIS STATEMENT IS TO BE SIGNED BY THE PERSON AUTHORIZED BY THE COUNTY ENGINEER TO PERFORM THE INSPECTION WORK...

GEOTECHNICAL ENGINEER OBSERVATION

- 1. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS...



COUNTY LOCATION MAP



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...

APN 767-19-034 SCOPE OF WORK

- 3. CLEAR AND GRUB BUILDING PAD AND DRIVEWAY.

APN 767-19-035 SCOPE OF WORK

- 10. CLEAR AND GRUB SFR, ADU, WINERY, TASTING ROOM, AND BARN BUILDING PAD, DRIVEWAY, AND PARKING.

SHEET INDEX

Table listing sheet numbers and titles: 1. COVER SHEET, 2. OVERALL SITE PLAN, 3. SFR NO. 2 & ADU NO. 1 GRADING PLAN...

ENGINEER'S NAME: HANNA & BRUNETTI

ADDRESS: 7651 EGGLEBERRY STREET, GILROY CA 95020

PHONE NO.: 408 842-2173

FAX NO.: 408 842-3662

PRELIMINARY IMPROVEMENT PLANS

FOR THE GRADING AND DRAINAGE ON THE LANDS OF HARTIGAN W. EDMUNDSON AVE., MORGAN HILL

LOTS 48 & 49 AS SHOWN ON THE "CATHERINE DUNNE RANCH, NO.3" MAP FILED MAY 11, 1894 IN BOOK H OF MAPS, AT PAGES 64 & 65 SANTA CLARA COUNTY, CALIFORNIA A.P.N.: 767-19-034 & -035

Table with columns for Revision, Date, APN, Co. File, and Sheet number.

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.

PRELIMINARY PLANS NOT FOR CONSTRUCTION

ENGINEER'S STATEMENT

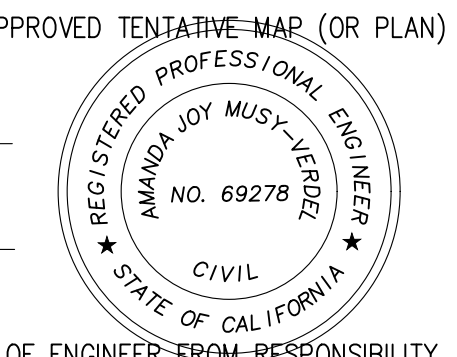
I HEARBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH ADOPTED COUNTY STANDARDS, THE APPROVED TENTATIVE MAP (OR PLAN) AND CONDITIONS OF APPROVAL PERTAINING THERETO DATED \_\_\_\_\_ FILE(S) NO. \_\_\_\_\_

DATE \_\_\_\_\_ 69278 R.C.E. NO. \_\_\_\_\_

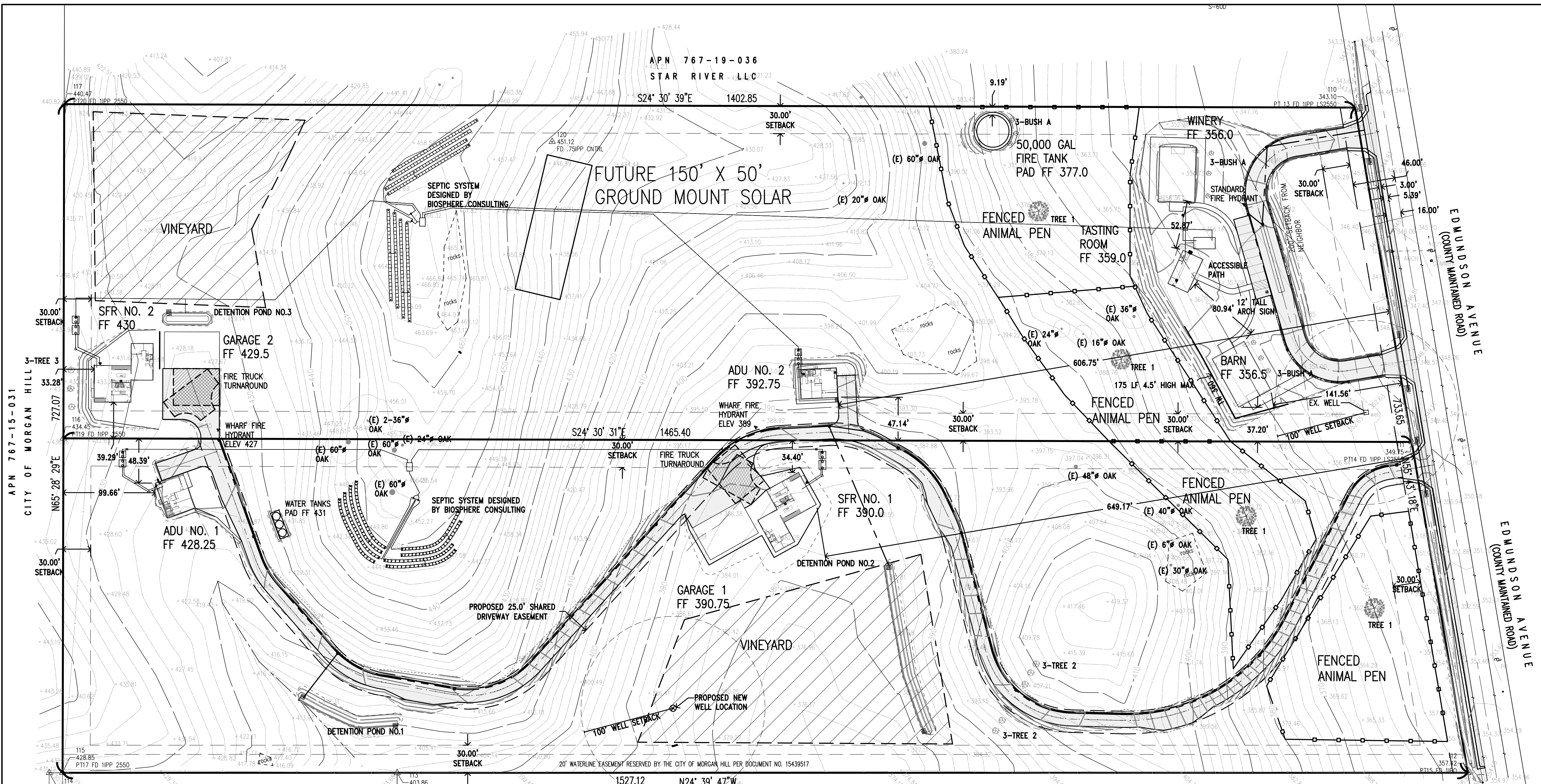
COUNTY ENGINEER'S NOTE

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...

DATE \_\_\_\_\_ DARRELL K.H. WONG R.C.E. NO. 63958 EXPIRES 9/30/22



THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



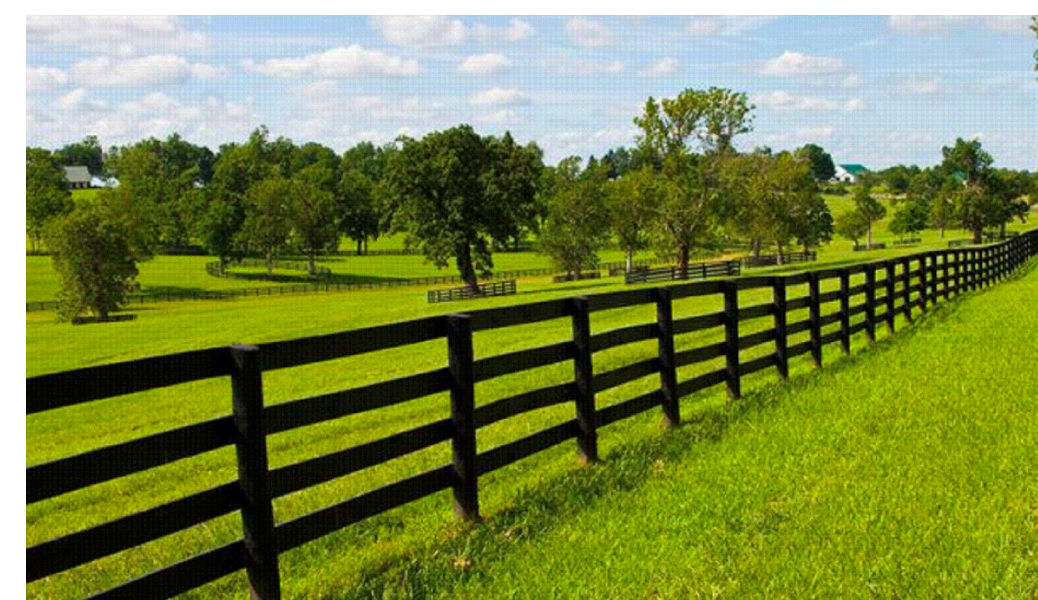
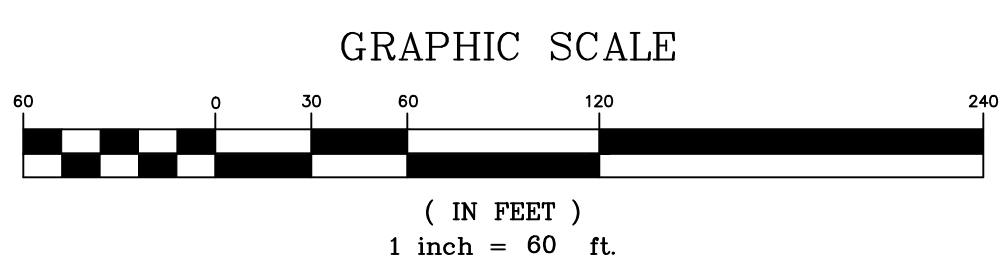
GRADING QUANTITIES			
LOCATION	CUT C.Y.	FILL C.Y.	VERT. DEPTH CUT/FILL
APN 767-19-035			
SFR NO. 2	274±	0±	5'±/0'±
SFR NO. 2 YARD	323±	25±	5'±/1'±
GARAGE NO. 2	1±	31±	1'±/1'±
ADU NO. 2	91±	0±	4'±/0'±
ADU NO. 2 YARD	95±	8±	4'±/2'±
WINERY	63±	34±	4'±/3'±
TASTING ROOM	98±	0±	8'±/0'±
BARN	471±	0±	8'±/0'±
WINERY YARD	2108±	777±	11'±/3'±
WINERY DRIVEWAY	20±	1190±	1'±/6±
WINERY TANK PAD	70±	47±	7'±/5'±
FRONTAGE IMP.	227±	101±	2'±/2'±
APN 767-19-034			
SFR NO. 1	0±	430±	0'±/5'±
SFR NO. 1 YARD	0±	968±	0'±/7'±
SFR NO. 1 DRIVEWAY	0±	329±	0'±/6±
GARAGE NO. 1	0±	370±	0'±/6±
ADU NO. 1	0±	32±	0'±/2'±
ADU NO. 1 YARD	0±	171±	0'±/2'±
DRIVEWAY	881±	1147±	4'±/3'±
TANK PAD	1.6±	7.4±	1'±/1'±
FRONTAGE IMP.	227±	101±	2'±/2'±
TOTAL	4953±	5768±	

DISTRIBUED AREA		
	PERMEABLE DIST. AREA (S.F.)	IMPERMEABLE DIST. AREA (S.F.)
APN 767-19-035 - 12.0 ACRES		
SFR NO. 2		2584
SFR NO. 2 YARD	7848	
GARAGE NO. 2		2400
ADU NO. 2		1291
ADU NO. 2 YARD	2613	
DRIVEWAY	6093	
WINERY		2400
TASTING ROOM		960
BARN		2400
WINERY YARD	32532	
WINERY DRIVEWAY	15398	
WINERY TANK PAD		912
TOTAL	64484	12947
		77431
APN 767-19-034 - 12.5 ACRES		
SFR NO. 1		2584
SFR NO. 1 YARD	11260	
GARAGE NO. 1		2400
ADU NO. 1		1291
ADU NO. 1 YARD	2613	
DRIVEWAY	33633	
TANK PAD		300
TOTAL	47506	6575
		54081

STRUCTURE INFORMATION			
BUILDING	AREA (S.F.)	OCCUPANCY	CONSTRUCTION TYPE
APN 767-19-035 - 12.0 ACRES			
SFR NO. 2	4202	R-3	V-B
GARAGE NO. 2	2400	U	V-B
ADU NO. 2	1200	R-3	V-B
ADU NO. 2 COVERED PORCH	91	R-3	V-B
WINERY	2400	S-2	II-B
TASTING ROOM	960	A-2	II-B
BARN	2400	U	II-B
APN 767-19-034 - 12.5 ACRES			
SFR NO. 1	4202	R-3	V-B
GARAGE NO. 1	2400	U	V-B
ADU NO. 1	1200	R-3	V-B
ADU NO. 1 COVERED PORCH	91	R-3	V-B

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

PRELIMINARY PLANS  
NOT FOR CONSTRUCTION



- LANDSCAPE SCREENING PLAN**
- TREE 1 24" BOX WEeping WILLOW "SALIX BABYLONICA"
  - TREE 2 24" BOX ITALIAN CYPRESS "CUPRESSUS SEMPERVERNS"
  - TREE 3 24" BOX FICUS HITIDA "FICUS MICROCARPA"
  - BUSH A 5 GAL. CAROLINA CHERRY LAUREL "PRUNUS CAROLINIANA"

**BASIS OF BEARINGS:**  
THIS TOPOGRAPHIC SURVEY IS BASED ON THE FOUND MONUMENTS ALONG THE CENTERLINE OF EDMUNDSON AVENUE WITH A BEARING OF NORTH 55° 43' 18" EAST AS FILED IN THE RECORD OF SURVEY ON NOVEMBER 9th, 1954 IN BOOK 659 OF MAPS AT PAGE 46. RECORDER OF SANTA CLARA COUNTY.

**BENCHMARK:**  
BENCHMARK ID: BM321  
ELEVATION: 330.37 FEET (NAVD83)  
ORGANIZATION: VALLEY WATER

**FLOOD ZONE:**  
PANEL NUMBER: 060337-0608SC0608H  
REVISION DATE: MAY 18th, 2009  
COMMUNITY NAME: SANTA CLARA COUNTY  
PROJECT LOCATED IN ZONE D  
AN AREA OF UNDETERMINED BUT POSSIBLE FLOOD HAZARDS.

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1992  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 - FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=60'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278

REFERENCES

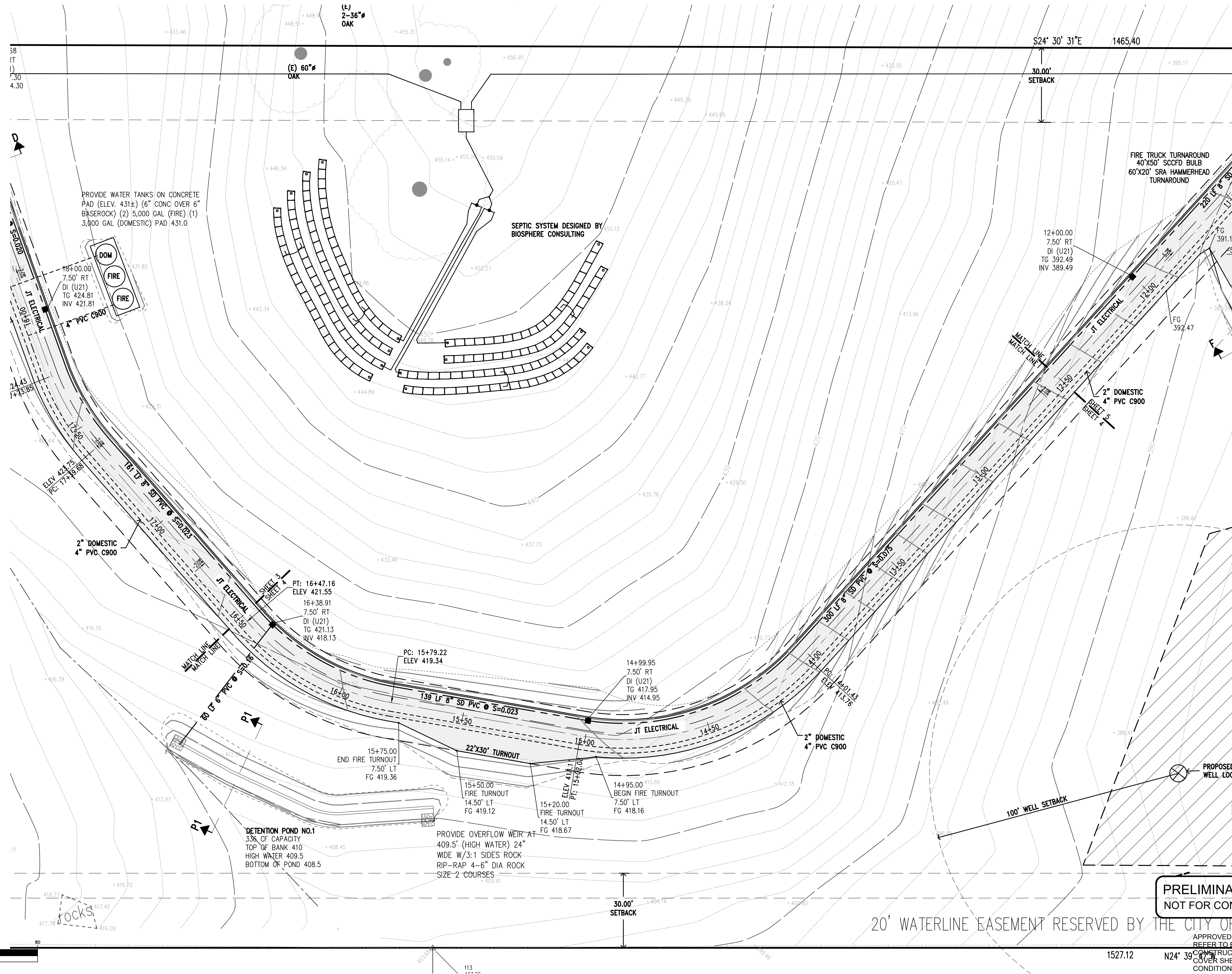
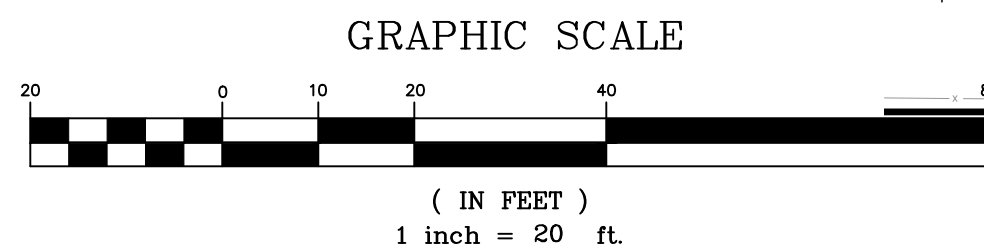
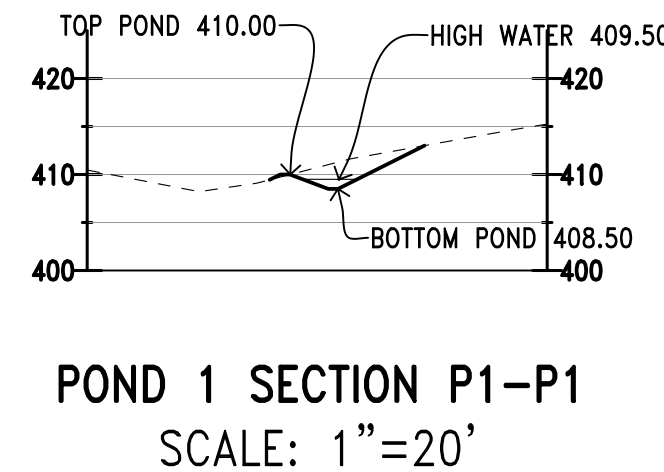
UNINCORPORATED  
APRIL 2022

# Overall Site Plan

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035



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**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

20' WATERLINE EASEMENT RESERVED BY THE CITY OF

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

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS • LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA  
OFFICE (408) 842-2113 • FAX (408) 842-3662  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

**Preliminary Grading & Drainage Plan**

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**4**  
OF 14  
JOB NO.  
**21096**

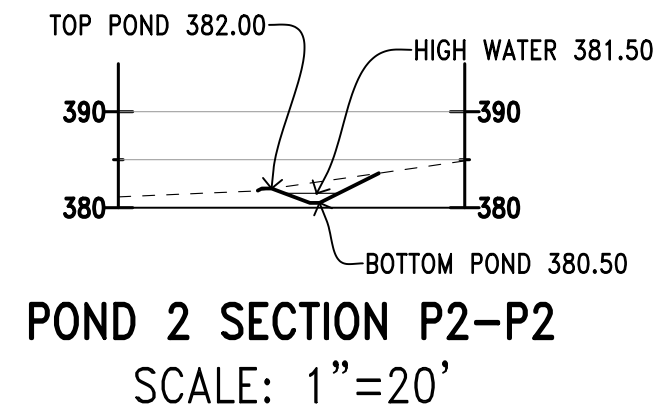
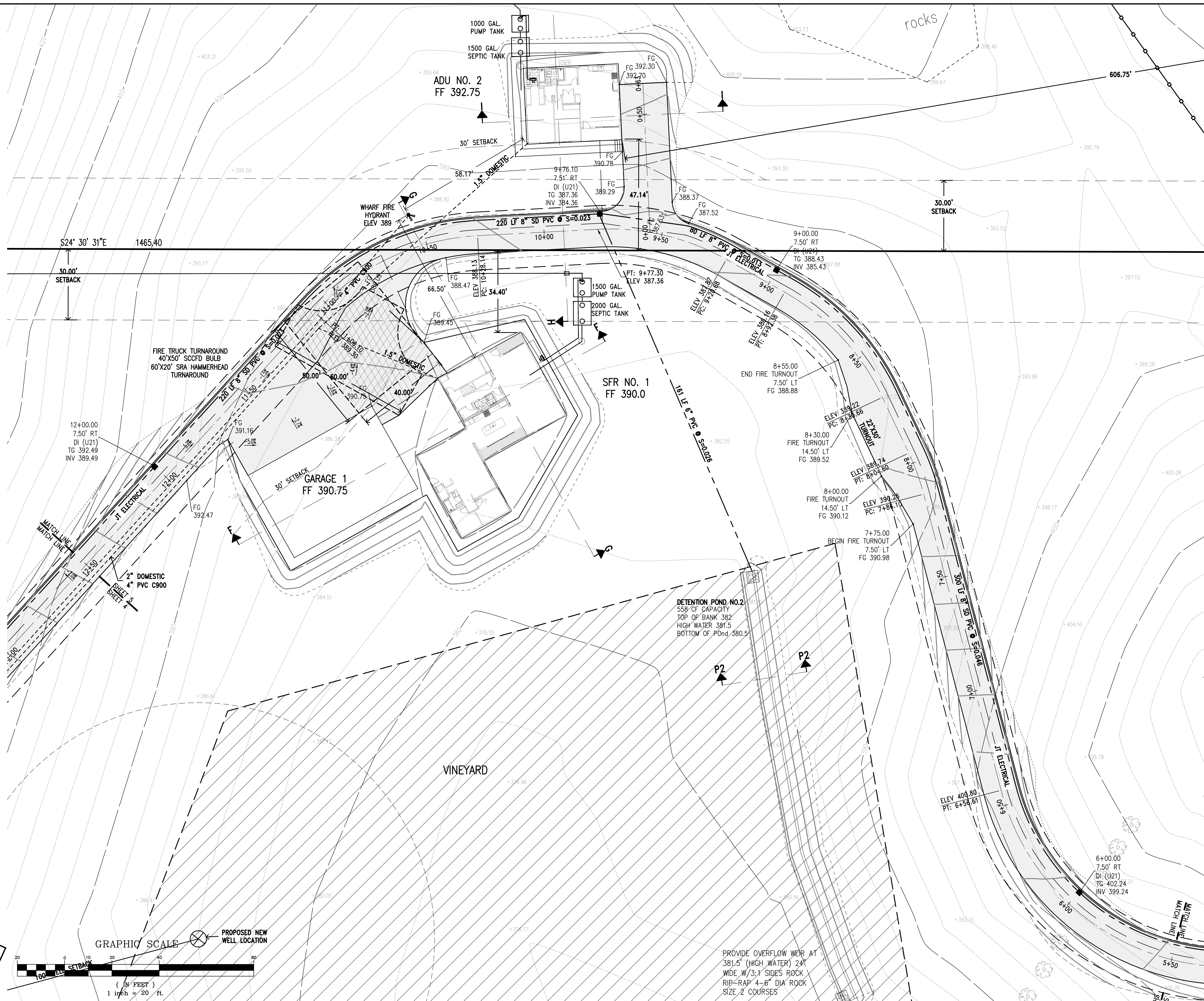
APPLICANT: HARTIGAN

ROAD: W. EDMUNDSON

COUNTY FILE NO.: PLN22-127 & PLN22-128

JOB NO. 21096 & 22004

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**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

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

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1988  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 • FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
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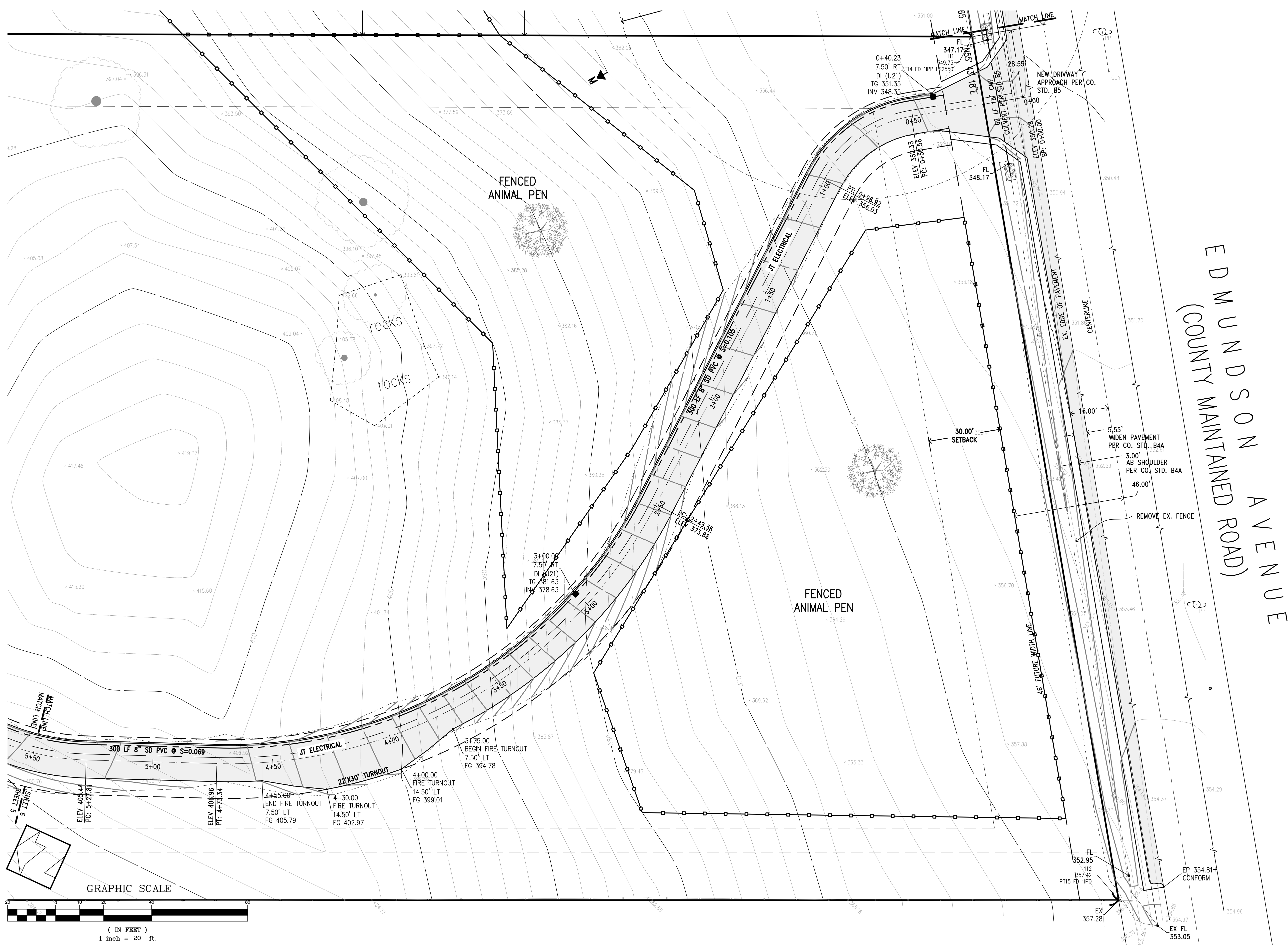
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Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278

REFERENCES

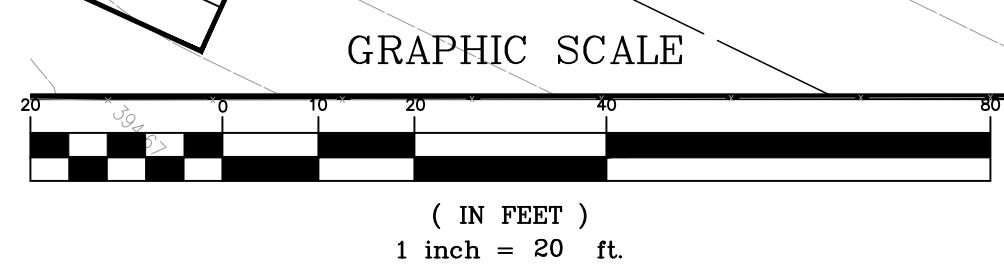
**Preliminary Grading & Drainage Plan**  
Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035  
UNINCORPORATED  
APRIL 2022  
SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**5**  
JOB NO. 21096  
OF 14

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EDMUNDSON AVENUE  
 (COUNTY MAINTAINED ROAD)



**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

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COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
 CIVIL ENGINEERS - LAND SURVEYORS  
 CONSTRUCTION MANAGERS  
 7651 GOLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
 OFFICE (408) 842-2173 • FAX (408) 842-3682  
 EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
 HORIZ. SCALE: 1"=20'  
 VERT. SCALE: NONE  
 DESIGNED BY: AM  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: TM

date: \_\_\_\_\_  
 Hanna - Brunetti  
 Amanda Joy Musy-Verdel  
 R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

# Preliminary Grading & Drainage Plan

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

SANTA CLARA COUNTY  
CALIFORNIA

SHEET **6** OF 14  
JOB NO. 21096

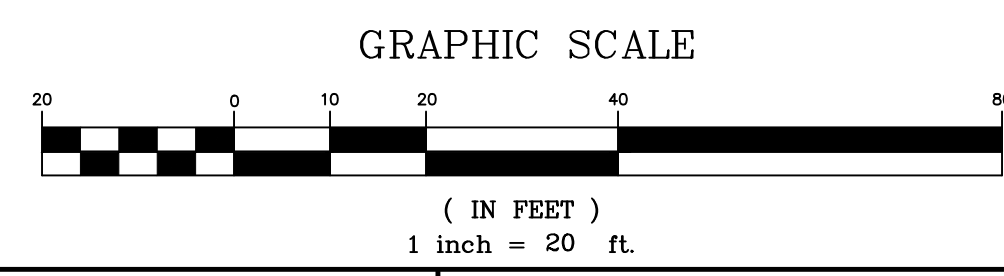
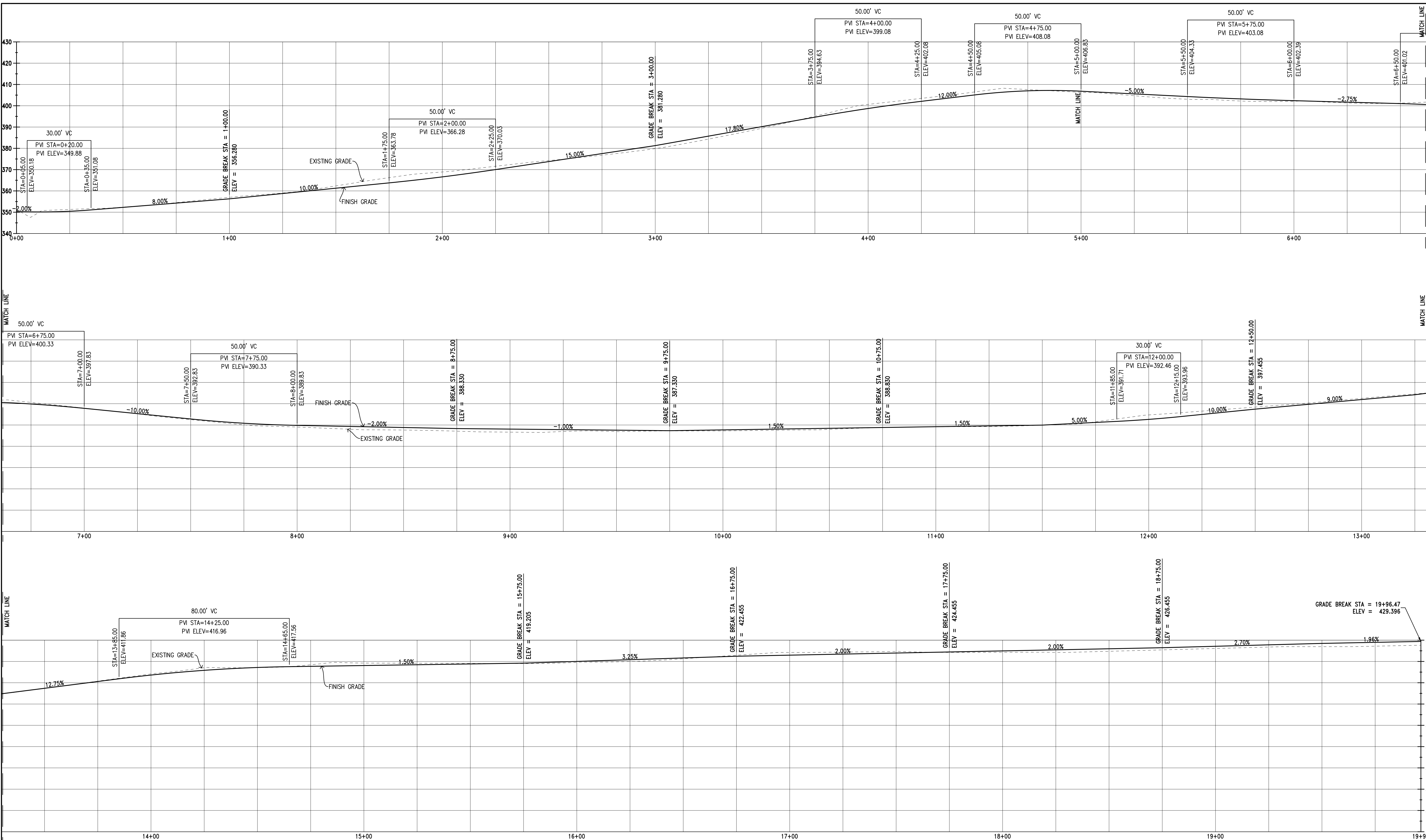
APPLICANT: HARTIGAN

ROAD: W. EDMUNDSON

COUNTY FILE NO.: PLN22-127 & PLN22-128

JOB NO. 21096 & 22004

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PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

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

PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1982  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2113 - FAX (408) 842-3662  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

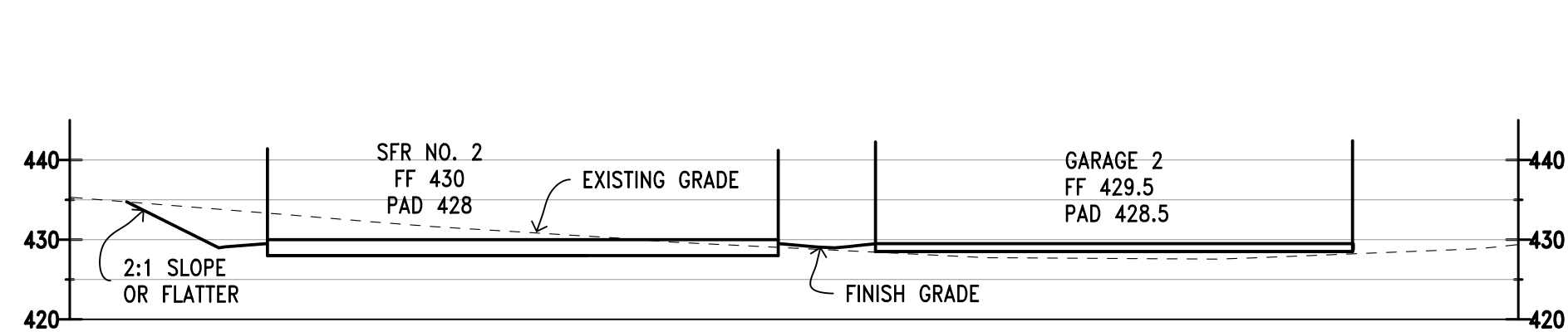
## Preliminary Residential Driveway Profile

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

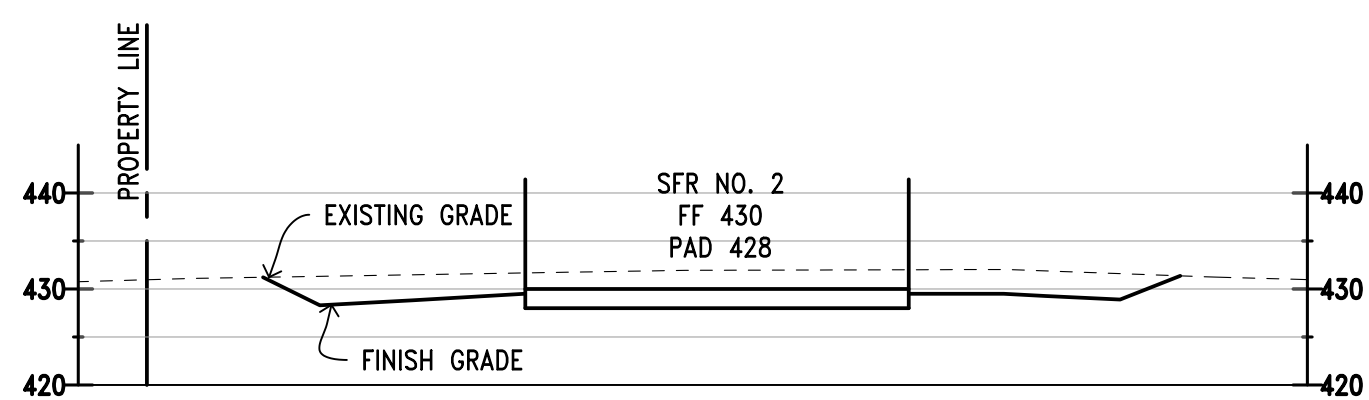
SANTA CLARA COUNTY CALIFORNIA

SHEET **7** OF 14  
JOB NO. 21096

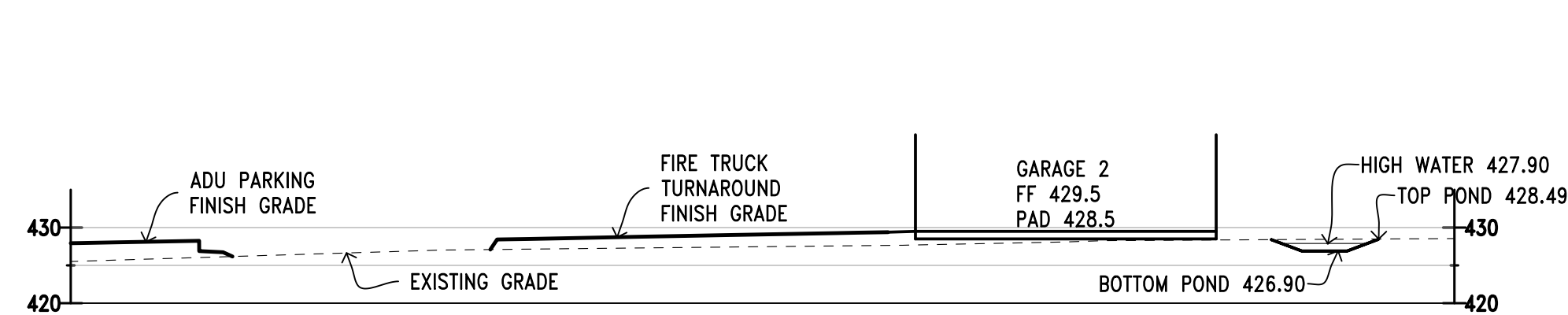
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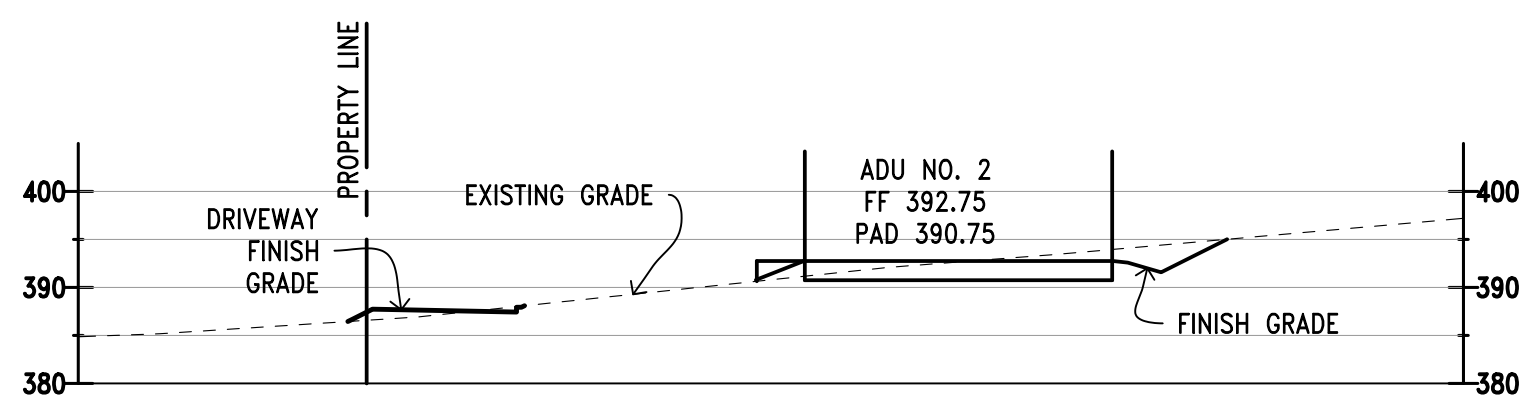
SFR 2 CROSS SECTION A-A  
SCALE: 1"=20'



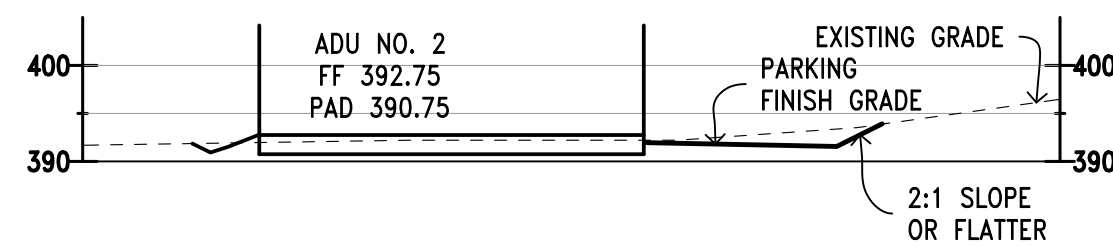
SFR 2 CROSS SECTION B-B  
SCALE: 1"=20'



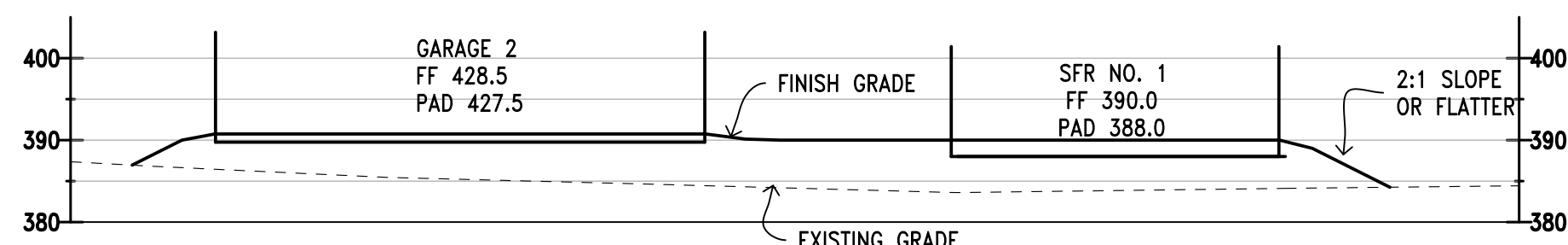
GARAGE 2 CROSS SECTION C-C  
SCALE: 1"=20'



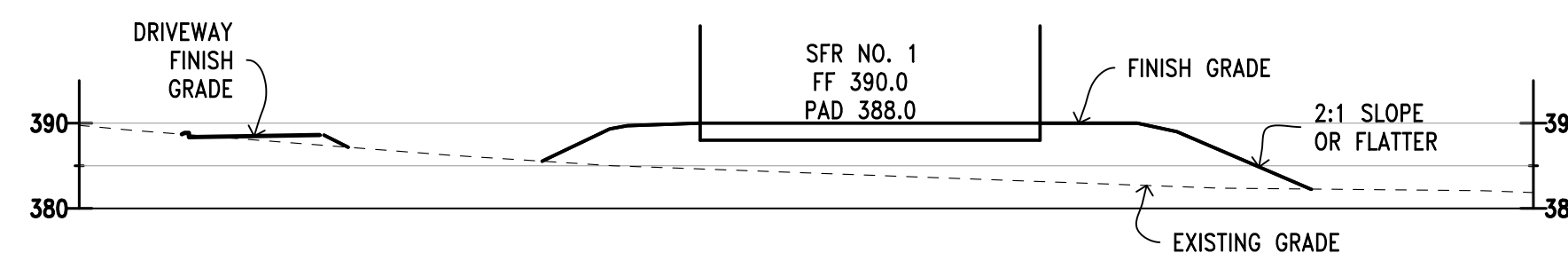
ADU 2 CROSS SECTION H-H  
SCALE: 1"=20'



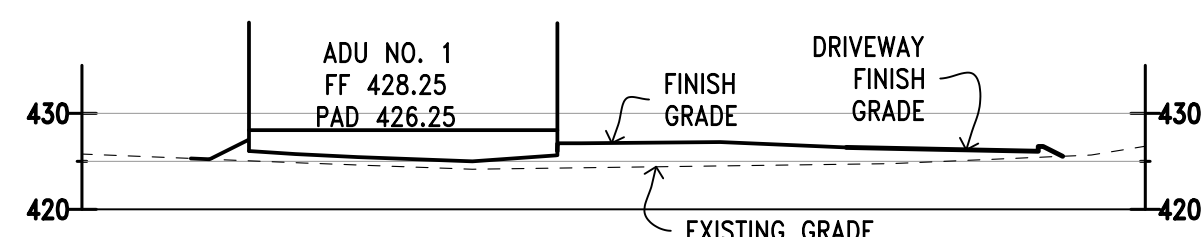
ADU 2 CROSS SECTION I-I  
SCALE: 1"=20'



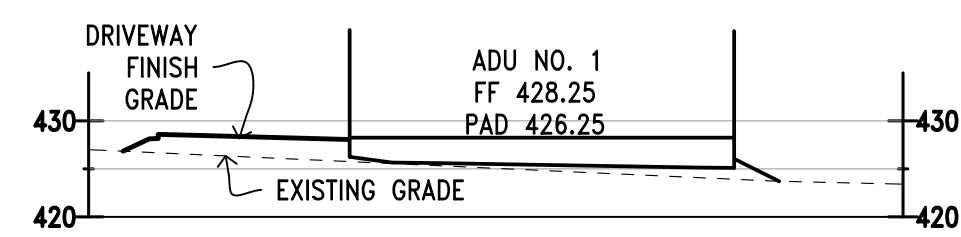
SFR 1 CROSS SECTION F-F  
SCALE: 1"=20'



SFR 1 CROSS SECTION G-G  
SCALE: 1"=20'

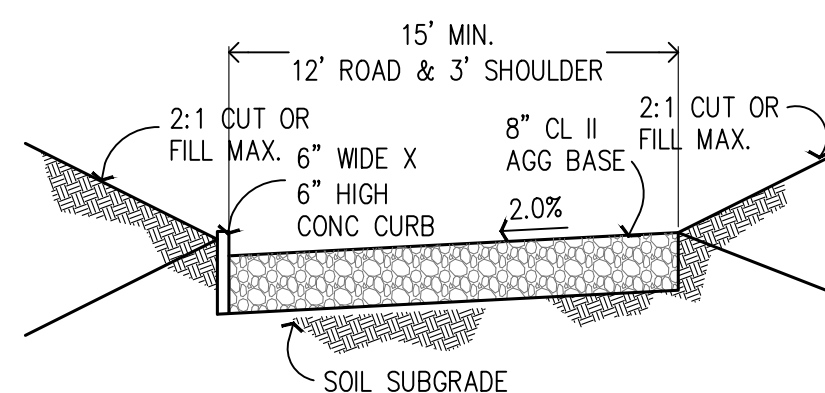


ADU 1 CROSS SECTION D-D  
SCALE: 1"=20'

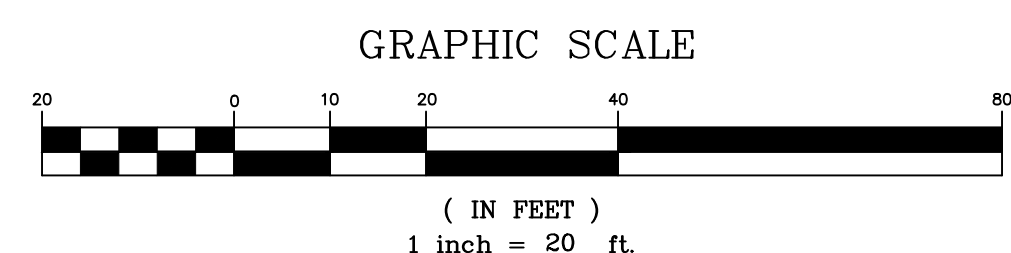


ADU 1 CROSS SECTION E-E  
SCALE: 1"=20'

NOTE: PAVEMENT SECTION SHALL SUPPORT 75,000 LBS MIN.



TYPICAL DRIVEWAY SECTION  
NOT TO SCALE



PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

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

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1992  
CIVIL ENGINEERS - LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET - GILROY - 95020 - CALIFORNIA  
OFFICE (408) 842-2173 • FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: TM  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

SANTA CLARA COUNTY  
CALIFORNIA

SHEET  
**8**  
OF 14  
JOB NO.  
**21096**

PLAN # \_\_\_\_\_ OF \_\_\_\_\_  
SHEET

APPLICANT: HARTIGAN

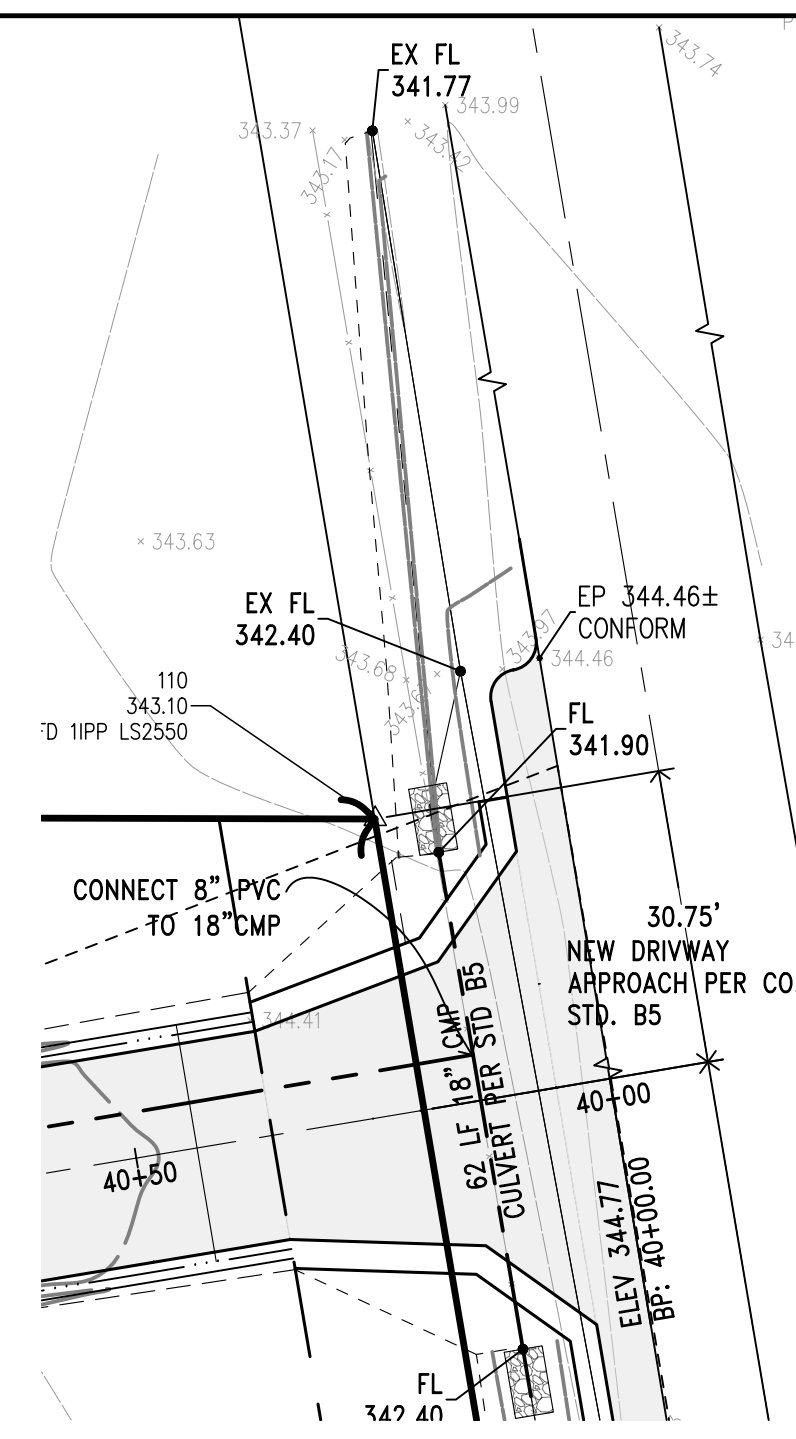
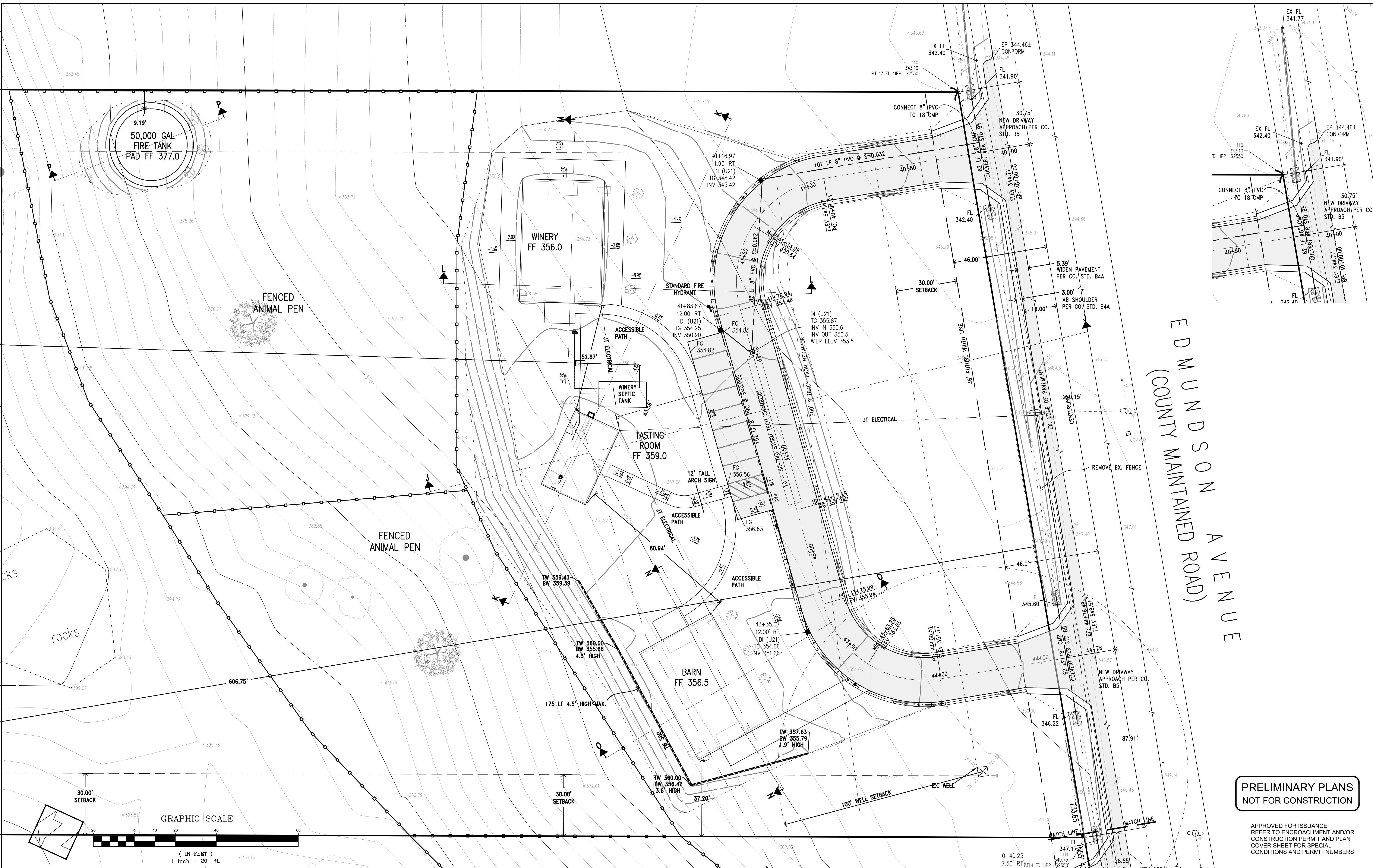
ROAD: W. EDMUNDSON

COUNTY FILE NO.:

JOB NO. 21096 & 22004



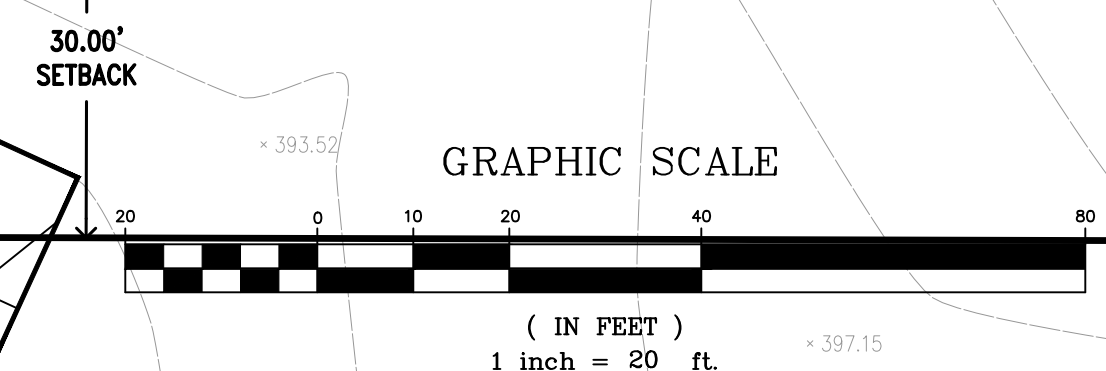
THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION IN WHOLE OR PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



EDMUNDSON AVENUE  
(COUNTY MAINTAINED ROAD)

**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

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



PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1990  
CIVIL ENGINEERS • LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA  
OFFICE (408) 842-2173 • FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=20'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

# Preliminary Grading & Drainage Plan

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

SANTA CLARA COUNTY  
CALIFORNIA  
SHEET **9** OF 14  
JOB NO. 21096

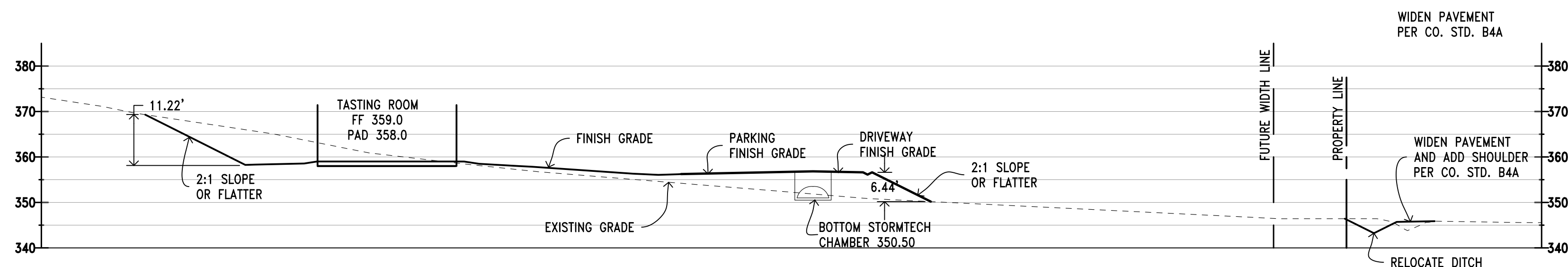
APPLICANT: HARTIGAN

ROAD: W. EDMUNDSON

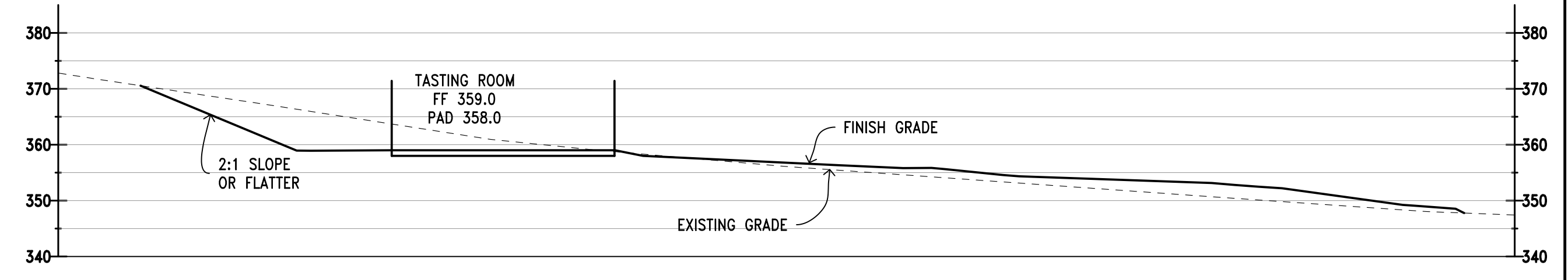
COUNTY FILE NO.: PLN22-127 & PLN22-128

JOB NO. 21096 & 22004

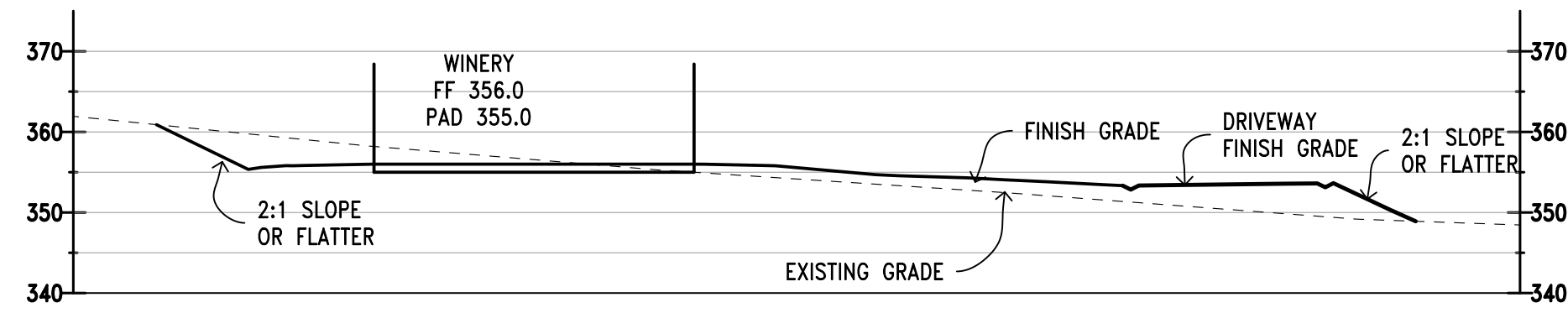
THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



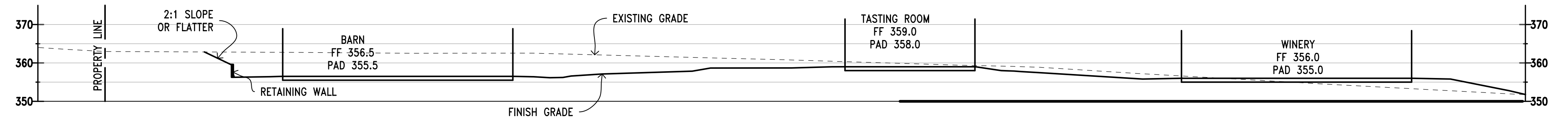
TASTING ROOM CROSS SECTION J-J  
SCALE: 1"=20'



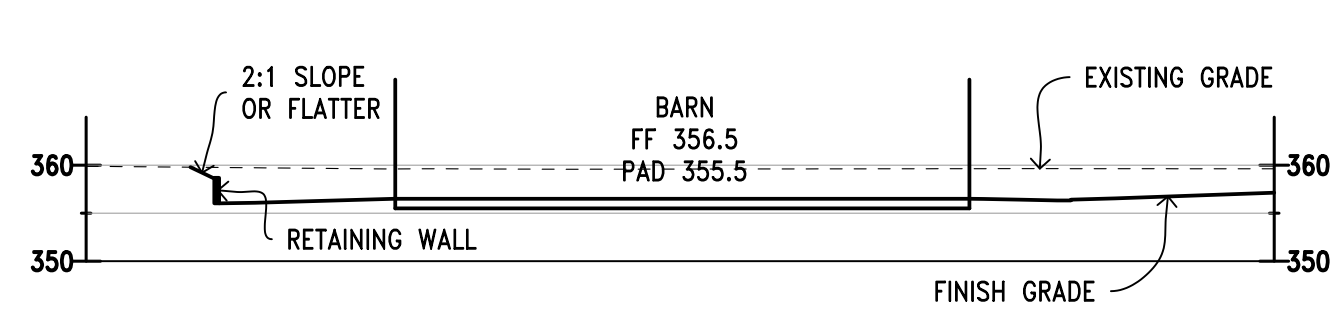
TASTING ROOM CROSS SECTION K-K  
SCALE: 1"=20'



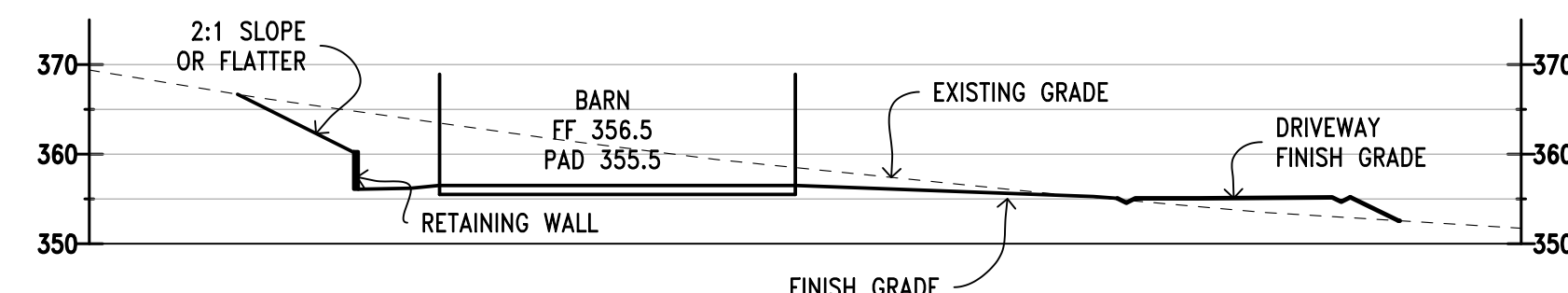
WINERY CROSS SECTION L-L  
SCALE: 1"=20'



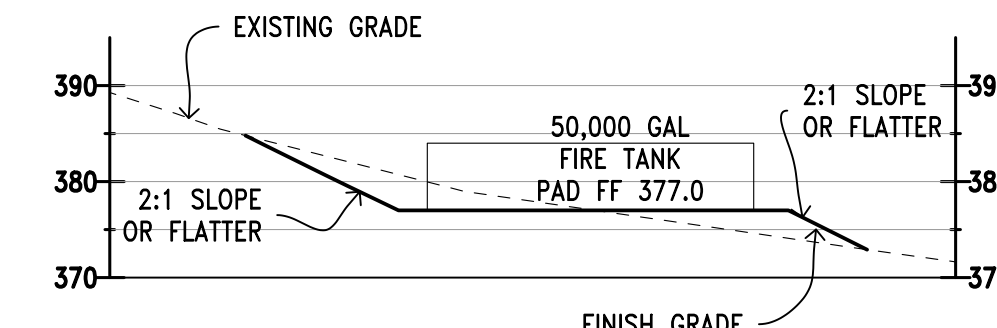
WINERY CROSS SECTION M-M  
SCALE: 1"=20'



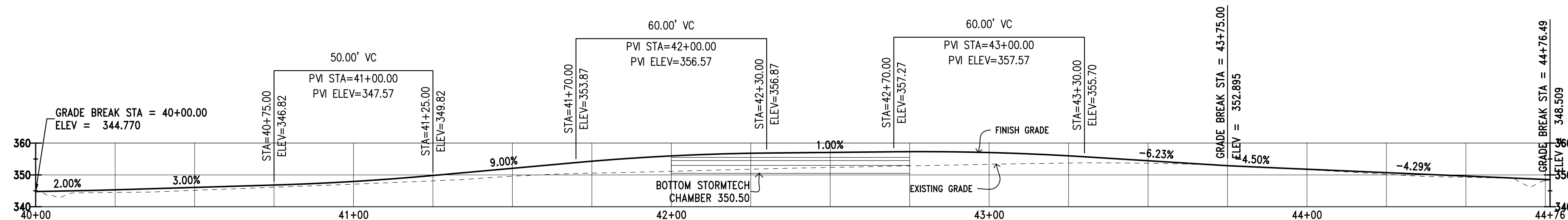
BARN CROSS SECTION N-N  
SCALE: 1"=20'



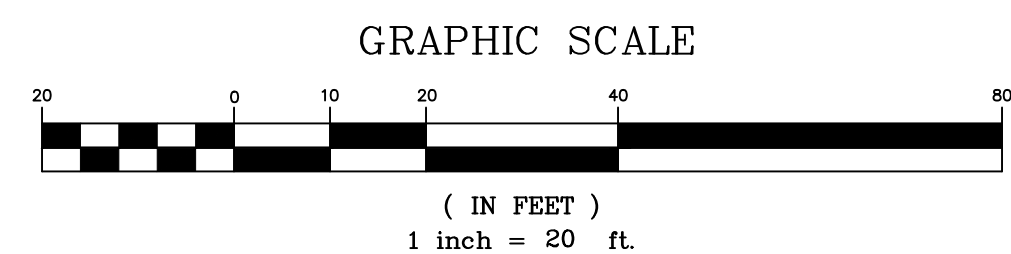
BARN CROSS SECTION O-O  
SCALE: 1"=20'



WATER TANK CROSS SECTION P-P  
SCALE: 1"=20'



Winery Driveway Centerline  
SCALE: 1"=20'



PRELIMINARY PLANS  
NOT FOR CONSTRUCTION

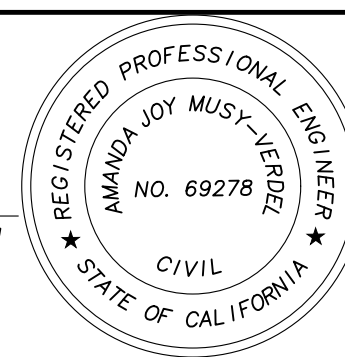
APPROVED FOR ISSUANCE  
REFER TO ENCROACHMENT AND/OR  
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COVER SHEET FOR SPECIAL  
CONDITIONS AND PERMIT NUMBERS

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1992  
CIVIL ENGINEERS • LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EIGLEBERRY STREET • GILROY • 95020 • CALIFORNIA  
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date: \_\_\_\_\_  
Hanna - Brunetti  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

UNINCORPORATED  
APRIL 2022

# Driveway Profile and Sections

Lands of Hartigan - W Edmundson Avenue - apn 767-19-034 & -035

SANTA CLARA COUNTY  
CALIFORNIA

SHEET

10

OF 14

JOB NO.

21096

APPLICANT: HARTIGAN

ROAD: W. EDMUNDSON

COUNTY FILE NO.: PLN22-127 & PLN22-128

JOB NO. 21096 & 22004

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR PART, IS PROHIBITED. TITLE TO THESE PLANS AND SPECIFICATIONS REMAINS IN THE ENGINEER WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

PROJECT NOTES:

- 1. THE LOCATION OF THE BUILDING PADS AND/OR FOUNDATIONS ARE TO BE ESTABLISHED BY A PERSON AUTHORIZED TO PRACTICE LAND SURVEYING...
2. THIS PLAN AUTHORIZES THE REMOVAL OF ONLY THOSE TREES WITH TRUNK DIAMETERS GREATER THAN 12 INCHES MEASURED 4.5 FEET ABOVE GROUND WHICH ARE TO BE REMOVED...
3. NO TREES ARE TO BE REMOVED...
4. PRIOR TO GRADING COMPLETION AND RELEASE OF BOND, ALL GRADED AREAS SHALL BE RESEEDED IN CONFORMANCE WITH THE COUNTY GRADING ORDINANCE...
5. BOTH DRAINFIELDS MUST BE STAKED AND STRUNG PRIOR TO APPROVAL OF THE SEPTIC DESIGN TO VERIFY THAT THE PROPOSED SEPTIC DESIGN WILL ACTUALLY FIT INTO THE PROPOSED LEACHFIELD AREA...
6. IF ARCHAEOLOGICAL RESOURCES OR HUMAN REMAINS ARE DISCOVERED DURING CONSTRUCTION, WORK SHALL BE HALTED WITHIN 50 METERS (150 FEET) OF THE FIND UNTIL IT CAN BE EVALUATED BY A QUALIFIED ARCHAEOLOGIST...
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. IN THE EVENT THAT ARCHEOLOGICAL FEATURES SHOULD BE DISCOVERED AT ANY TIME DURING THE GRADING, SCRAPING OR EXCAVATION, ALL WORK SHOULD BE HALTED IN THE VICINITY OF THE FIND AND AN ARCHAEOLOGIST SHOULD BE CONTACTED IMMEDIATELY TO EVALUATE THE DISCOVERED MATERIAL TO ASSESS ITS AREAL EXTENT, CONDITION, AND SCIENTIFIC SIGNIFICANCE...
10. IN THE EVENT THAT HUMAN SKELETAL REMAINS ARE ENCOUNTERED, THE APPLICANT IS REQUIRED BY COUNTY ORDINANCE NO. B6-18 TO IMMEDIATELY NOTIFY THE COUNTY CORONER...
11. THESE PLANS ARE FOR THE WORK DESCRIBED IN THE SCOPE OF WORK ONLY. A SEPARATE PERMIT WILL BE REQUIRED FOR THE SEPTIC LINE CONSTRUCTION...
12. UPPER 6" OF THE SUBGRADE SOIL SHALL BE SCARIFIED, MOISTURE CONDITIONED AND COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 95%...
13. ALL AGGREGATE BASE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION...
14. ROADWAYS DESIGNATED AS NOT COUNTY MAINTAINED ROADS AS SHOWN ON THIS PLAN WILL NOT BE ELIGIBLE FOR COUNTY MAINTENANCE UNTIL THE ROADWAYS ARE IMPROVED (AT NO COST TO THE COUNTY) TO PUBLIC MAINTENANCE ROAD STANDARDS APPROVED BY THE BOARD OF SUPERVISORS...
15. AN APPROVED RESIDENTIAL FIRE SPRINKLER SYSTEM COMPLYING WITH FIRE MARSHAL STANDARD CFMO-SP6 IS REQUIRED TO BE INSTALLED THROUGHOUT THE STRUCTURE...
16. ALL NEW ON-SITE UTILITIES, MAINS AND SERVICES SHALL BE PLACED UNDERGROUND AND EXTENDED TO SERVE THE PROPOSED RESIDENCE...
17. A CONSTRUCTION OBSERVATION LETTER FROM THE RESPONSIBLE GEOTECHNICAL ENGINEER AND CERTIFIED ENGINEERING GEOLOGIST DETAILING CONSTRUCTION OBSERVATIONS AND CERTIFYING THAT THE WORK WAS DONE IN ACCORDANCE WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL AND GEOLOGICAL REPORTS SHALL BE SUBMITTED PRIOR TO GRADING COMPLETION AND RELEASE OF BOND...
18. ALL ROOF RUNOFF SHALL BE DIRECTED TO LANDSCAPED OR NATURAL AREAS AWAY FROM BUILDING FOUNDATIONS, TO ALLOW FOR STORM WATER INFILTRATION INTO THE SOIL AND SHEET FLOW.

NOTE TO CONTRACTOR

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

WHERE THE FIRM OF HANNA & BRUNETTI DOES NOT PROVIDE CONSTRUCTION STAKES, SAID FIRM WILL ASSUME NO RESPONSIBILITY WHATSOEVER FOR IMPROVEMENTS CONSTRUCTED THEREFROM.

CONTRACTOR TO VERIFY:

CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION OF BUILDING PAD, THE STRUCTURAL SECTION OF FOUNDATION TO DETERMINE BUILDING PAD ELEVATION.

SEE SOILS REPORT AND/OR STRUCTURAL PLANS TO DETERMINE THE ELEVATION OF THE BUILDING FINISH FLOOR AND PAD.

TEMPORARY PROJECT BENCHMARK:

BASED ON AN ASSUMED ELEVATION 100.00 FEET LOCATED AT THE EXIST HEADWALL AT THE INTERSECTION OF ALMADEN ROAD AND BRUCE WAY (AS SHOWN ON THESE PLANS)

BASIS OF BEARINGS:

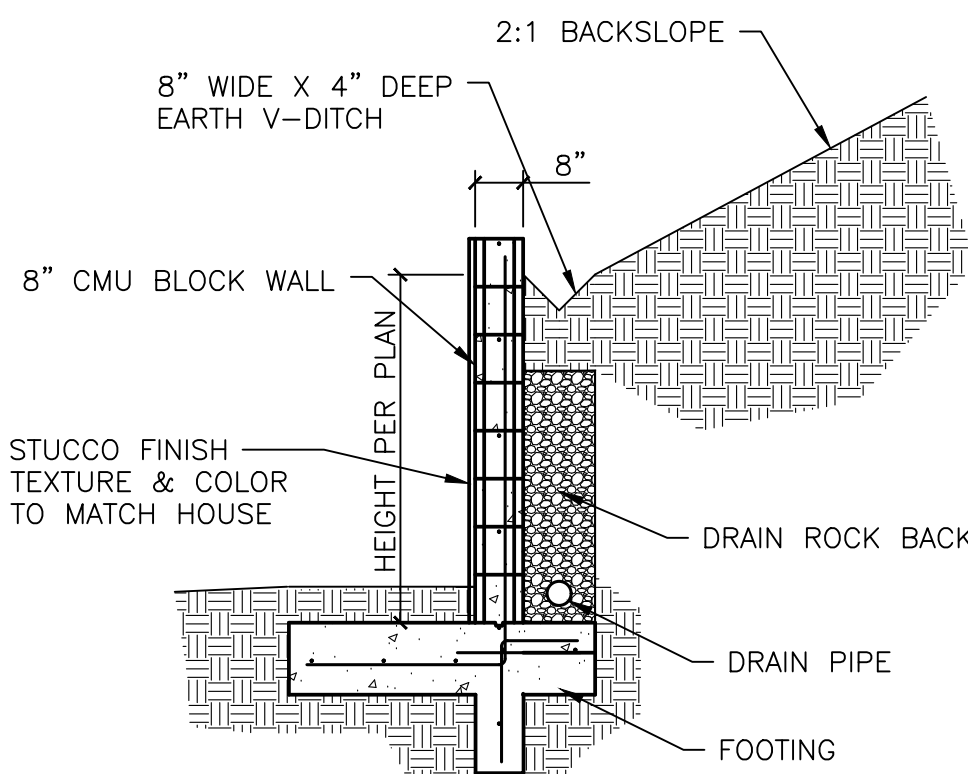
THE BEARINGS SHOWN ON THIS MAP ARE BASED ON THE CENTERLINE OF ALMADEN ROAD - N 5422'00" W

FLOOD\_ZONE STATEMENT:

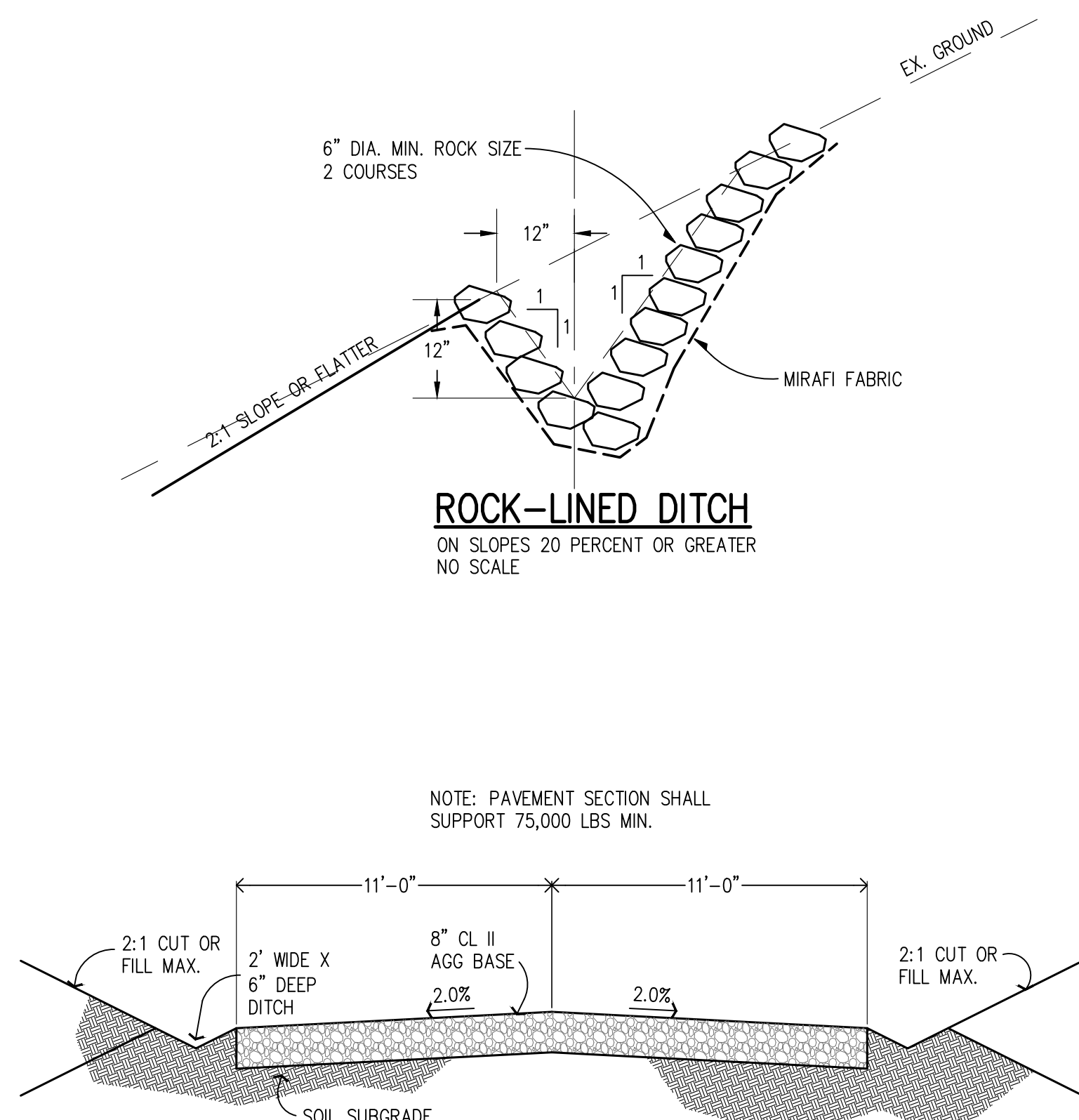
FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER: 060337 060850627H MAP REVISED: MAY 18, 2009

PROJECT LOCATED IN ZONE D AREAS OF UNDETERMINED, BUT POSSIBLE FLOOD HAZARDS

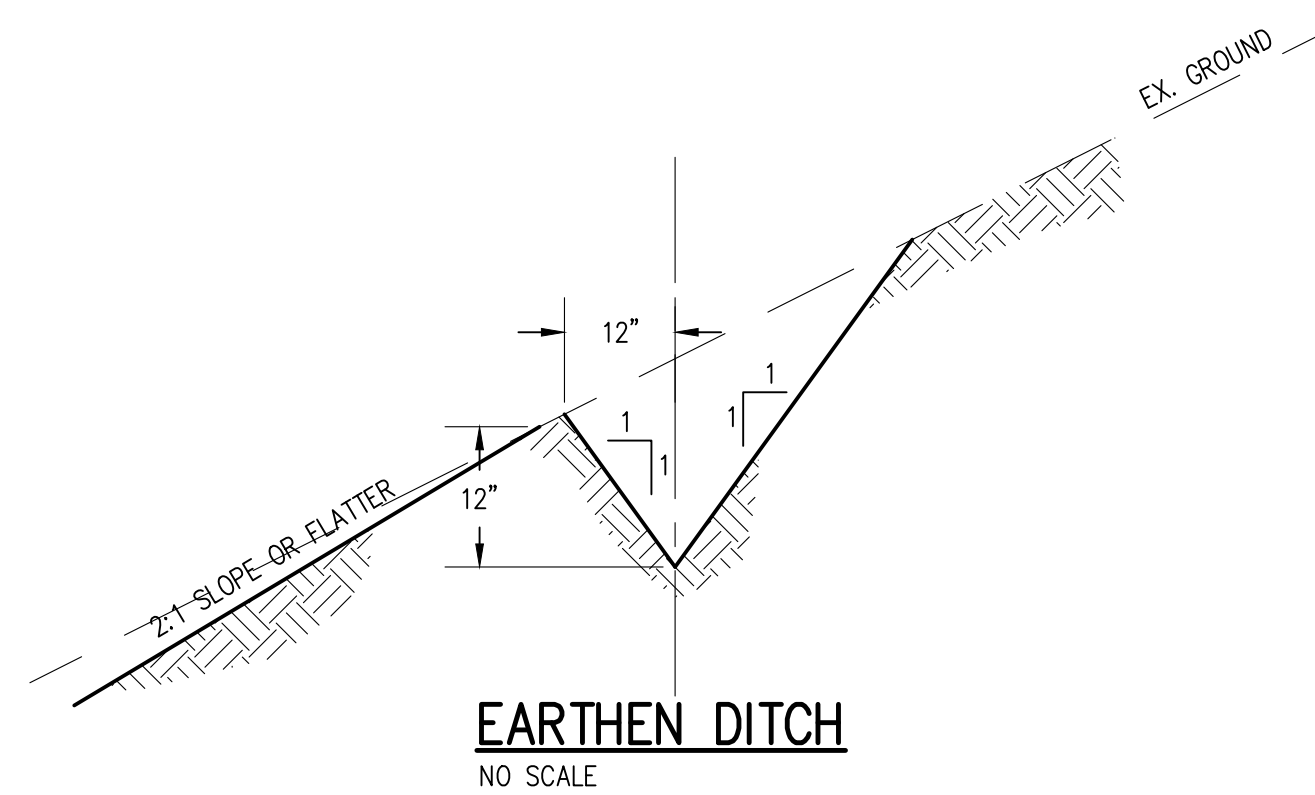
THESE QUANTITIES DO NOT INCLUDE ANY SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION, OR ANY SPECIAL CONDITIONS OR REQUIREMENTS THAT MAY BE SPECIFIED IN THE GEOTECHNICAL INVESTIGATION REPORT. THESE QUANTITIES IN THE AREA FOR PERMIT PURPOSES ONLY. ALL CONTRACTORS BIDDING ON THIS PROJECT SHOULD MAKE THEIR OWN DETERMINATION OF EARTHWORK QUANTITIES PRIOR TO SUBMITTING A BID. EXCESS MATERIAL SHALL BE OFF-HAULED. IF LOCATION IS WITHIN THE COUNTY A SEPERATED PERMIT SHALL BE REQUIRED.



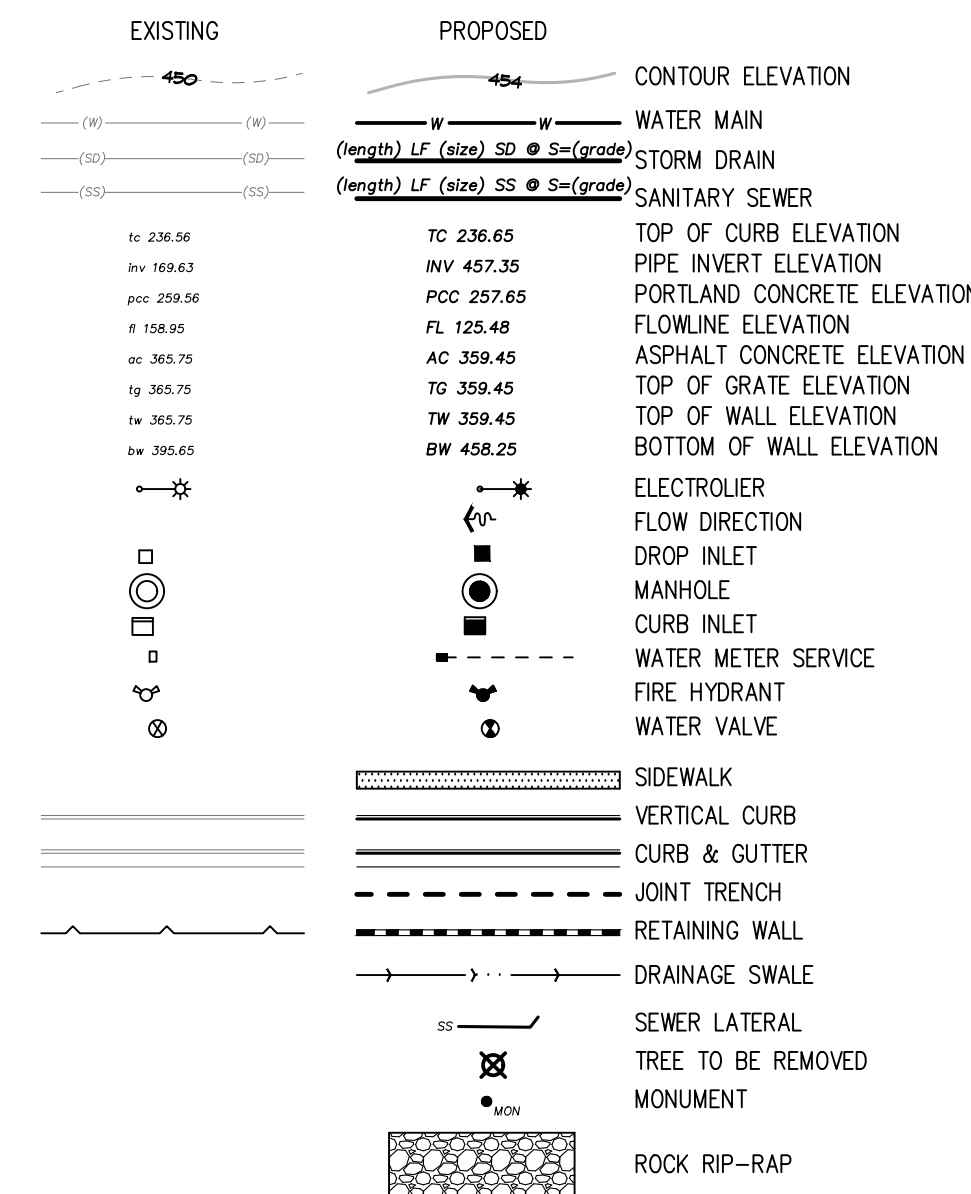
TYPICAL RETAINING WALL DETAIL PROVIDED FOR REFERENCE ONLY. DESIGN BY OTHERS AND UNDER SEPARATE BUILDING PERMIT. NO SCALE



TYPICAL WINERY DRIVEWAY SECTION NOT TO SCALE showing 11 foot wide x 6 inch deep ditch, 2 inch wide x 6 inch deep ditch, 8 inch cl II agg base, 2.0 percent slope, and soil subgrade.



LEGEND



ABBREVIATIONS

Table with 3 columns: Abbreviation, Description, and Alternative Description. Includes items like AC (Asphalt Concrete), AB (Aggregate Base), AD (Area Drain), AGG (Aggregate), BC (Beginning of Curve), BLDG (Building), BOC (Back of Curb), BO (Blow Off), BW (Barbed Wire), CATV (Cable Television), CB (Catch Basin), C&G (Curb & Gutter), CI (Curb Inlet), CL (Centerline), CMP (Corrugated Metal Pipe), CMU (Concrete Masonry Unit), CO (Clean Out), CONC (Concrete), CONST (Construction), DDVC (Double Detector Check Valve Assembly), DI (Drop Inlet), DIP (Ductile Iron Pipe), DWY (Driveway), E (Electric Line), EC (End of Curve), EG (Existing Grade), ELEV (Elevation), EP (Edge of Pavement), ER (End of Return), ESM (Easement), EX (Existing), FF (Finish Floor), FG (Finish Grade), FH (Fire Hydrant), FL (Flowline), FOC (Face of Curb), G (Gas Line), GM (Gas Meter), GB (Grade Break), GUY (Guy Wire for Pole), GATE (Gate Valve), HDPE (High Density Polyethylene), HMA (Hot Mix Asphalt), HP (High Point), INV (Invert of Pipe), IP (Iron Pipe), JP (Joint Pole), JT (Joint Trench), LF (Linear Feet), LP (Low Point), MAX (Maximum), MIN (Minimum), N.I.C. (Not in Contract), NEW (New), OHU (Overhead Utility), PULL (Pull Box), PCC (Portland Concrete Cement), PROP (Property Line), PRC (Port Reverse Curve), P.S.E. (Public Service Easement), P.S.D.E. (Private Storm Drain Easement), P.U.E. (Public Utility Easement), PVI (Point of Vertical Intersection), PVC (Polyvinyl Chloride Pipe), R (Radius), RCP (Reinforced Concrete Pipe), R/W (Right of Way), R/WL (Rainwater Leader), S (Slope), SD (Storm Drain Pipe), SS (Sanitary Sewer Pipe), STM (Storm Drain Manhole), SS MH (Sanitary Sewer Manhole), SP (Service Pole), STD (Standard), SQ (Square), SW (Sidewalk), TEL (Telephone Line), TBM (Temporary Benchmark), TC (Top of Curb), TG (Top of Grate), TOB (Top of Bank), TOE (Toe of Bank), TW (Top of Wall), TYP (Typical), W (Water Line), WM (Water Meter), WV (Water Valve).

PRELIMINARY PLANS NOT FOR CONSTRUCTION

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

SC-740 StormTech Chamber Specifications and details. Includes sections for Underdrain Detail, Insert-a-tee Side Inlet Detail, SC-740 Technical Specifications, SC-740 Isolator Row Plus Detail, 4 inch PVC Inspection Port Detail, and SC-740 Cross Section Detail. Includes ADS logo and QR code.

STANDARD DETAILS section for SC-740. Includes a table for material specifications and a table for acceptable fill materials. Includes ADS logo and QR code.

REVISIONS table with columns for DATE, DESCRIPTION, and BY.

HANNA-BRUNETTI logo and contact information: 7651 EIGLEBERRY STREET - GILROY - CALIFORNIA OFFICE (408) 842-2113 - FAX (408) 842-3682 EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022 HORIZ. SCALE: 1"=20' VERT. SCALE: NONE DESIGNED BY: AM CHECKED BY: TM DRAWN BY: TM

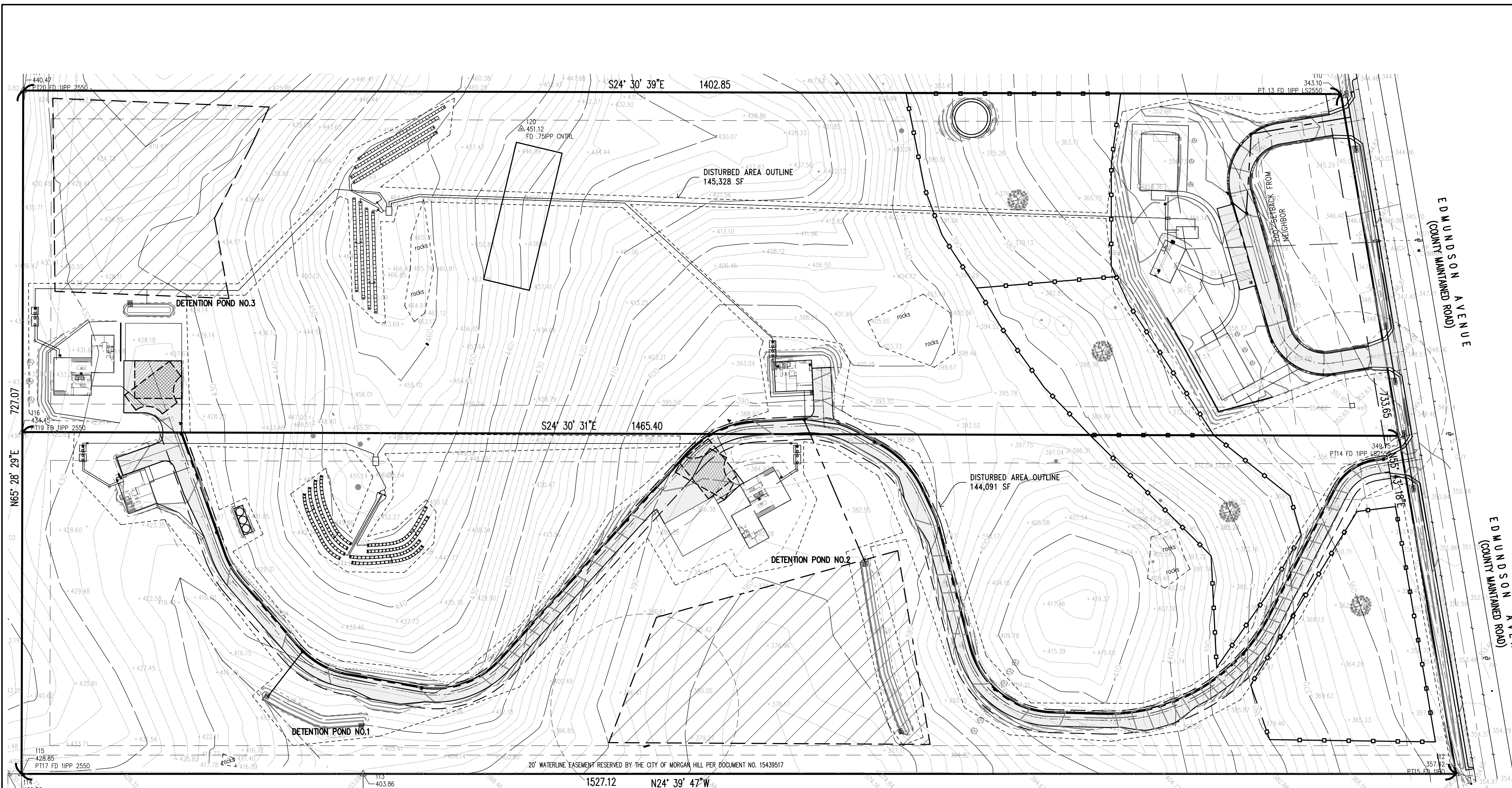
Professional Engineer Seal for Amanda Joy Musy-Verdel, No. 69278, State of California.

REFERENCES table.

UNINCORPORATED APRIL 2022 logo.

Notes, Details, Abbreviations & Legend. Lands of Hartiganl - W. Edmundson Avenue - apr 767-19-034 & -035. COUNTY FILE NO.: PLN22-127 & PLN22-128. JOB NO. 21096 & 22004. SHEET 11 OF 14.

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**EROSION CONTROL NOTES**

- EROSION CONTROL MEASURES SHALL BE EFFECTIVE FOR CONSTRUCTION DURING THE RAINY SEASON; OCTOBER 15 THROUGH APRIL 15.
- NO STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN INTO THE EXISTING AND/OR PROPOSED UNDERGROUND STORM SYSTEM UNTIL SUITABLE EROSION CONTROL MEASURES ARE FULLY IMPLEMENTED. NO STORM WATER RUNOFF SHALL BE ALLOWED TO ENTER THE STORM DRAIN SYSTEM THAT IS NOT CLEAR, AND FREE OF SILTS.
- A FIBER ROLL BARRIER PER "DETAIL SE-5" SHALL BE INSTALLED ALONG THE PERIMETER OF THE PROJECT SITE. THE LOCATION OF THE FIBER ROLL ALONG THE PERIMETER SHALL BE ADJUSTED TO ELIMINATE SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. A FIBER ROLL SHALL ALSO BE REQUIRED AROUND THE PERIMETER OF ANY STOCKPILE OR OTHER SITE OF BARE, LOOSE EARTH.
- ALL STORM DRAIN MANHOLES, CATCH BASINS, AND/OR DROP INLETS THAT ARE TO ACCEPT STORM WATER SHALL HAVE INLET PROTECTION MEASURES PER DETAIL SE-10. STORM WATER RUNOFF SHALL BE DIRECTED TO THESE INLETS ONLY. STORM DRAIN CATCH BASINS THAT ARE NOT COMPLETE, SHALL BE BLOCKED OFF COMPLETELY.
- THE NAME, ADDRESS, AND 24 HOUR TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN SHALL BE PROVIDED TO THE COUNTY.
- PRIOR TO GRADING, AN ENTRANCE SHALL BE CONSTRUCTED, CONSISTING OF A MINIMUM OF 50 LF OF DRAIN ROCK, 3" IN DIAMETER, PLACED OVER MIRAFI 500X (OR EQUAL) PER DETAIL TC-1. THE ENTRANCE SHALL CONFORM TO "CONSTRUCTION ENTRANCE DETAIL TC-1". THERE SHALL BE ONLY ONE ENTRANCE/EXIT POINT TO THE SITE DURING THE RAINY SEASON. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS, OR AT A LOCATION APPROVED BY THE COUNTY.
- ALL AREAS OF BARE, TURNED OR DISTURBED EARTH SHALL BE STABILIZED BY USE OF HYDROSEED PER THE TABLE BELOW. ALL STOCKPILES, AND/OR BORROW AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES SUCH AS A PERIMETER SILT FENCE, AND OTHER METHODS TO PREVENT ANY EROSION OR SILTS MIGRATION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS, BUT ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE COUNTY INSPECTOR. THE STORM DRAIN SYSTEM SHALL MAINTAIN A FORM OF DRAIN INLET PROTECTION UNTIL COUNTY ACCEPTS THE FINAL STREET IMPROVEMENTS. THE DRAIN INLET PROTECTION SHALL BE MAINTAINED, EFFECTIVE AND SUBJECT TO COUNTY INSPECTOR'S APPROVAL.
- ALL PAVED STREET, AND AREAS ADJACENT TO THE SITE SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO ELIMINATE SEDIMENT LADEN RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH DAY DURING THE RAINY SEASON. ANY DAMAGED STRUCTURAL MEASURES ARE TO BE REPAIRED BY END OF THE DAY. "TRAPPED SEDIMENT IN "SD INLETS" (AND OTHER EROSION CONTROL MEASURES) SHALL BE REMOVED TO MAINTAIN TRAP EFFICIENCY. REMOVED SEDIMENT SHALL BE DISPOSED BY SPREADING ON SITE, WHERE IT WILL NOT MIGRATE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREVENT THE FORMATION OF AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM A FAILURE TO DO SO.
- ALL DRAIN SWALES SHALL BE PER DETAIL EC-9.
- INCOMPLETE GRADING SHALL NOT BE ALLOWED. CONTRACTOR SHALL MAINTAIN A DRAIN PATH AS SHOWN ON THIS PLAN. SAID DRAIN PATH SHALL BE MAINTAINED LINED DRAIN SWALES, AND INLET PROTECTION AT A MINIMUM. IF PONDING DOES OCCUR ON THE SITE AFTER GRADING, THE WATER MUST BE FREE AND CLEAR OF SEDIMENT PRIOR TO DISCHARGE TO THE STORM DRAIN SYSTEM. THIS REQUIREMENT MAY NECESSITATE THE USE OF NATURAL AND/OR MECHANICAL DESILTING METHODS, SUBJECT TO APPROVAL BY THE COUNTY INSPECTOR.
- IF THESE EROSION CONTROL MEASURE PROVE INADEQUATE, STRAW MULCH, TACKIFIER, AND ADDITIONAL HYDROSEEDING MAY BE REQUIRED.

**HYDROSEED TABLE**

ITEM	LBS/ACRE
COMMON BARLEY	45
ANNUAL RYEGRASS	45
CRIMSON CLOVER	10
FERTILIZER 7-2-3	400
FIBER MULCH	2000
TACKIFIER	100

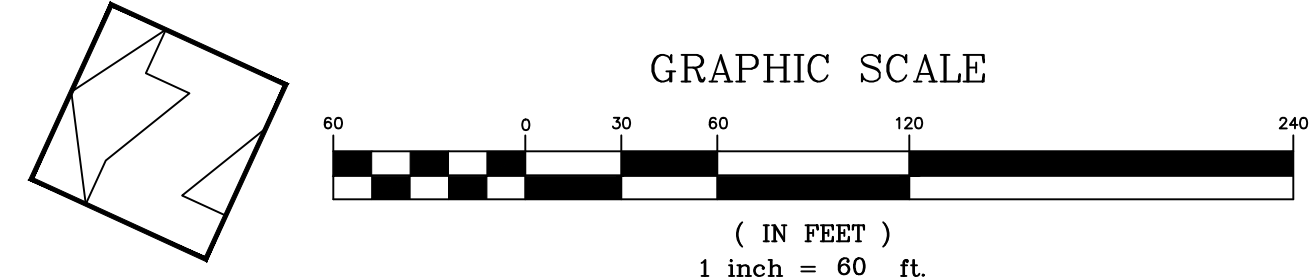
**LEGEND**

- PROVIDE CONSTRUCTION ENTRANCE/EXIT PER DETAIL TC-1
- PROVIDE FIBER ROLL SLOPE PROTECTION PER DETAIL SE-5

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

**PRELIMINARY PLANS  
NOT FOR CONSTRUCTION**

- ALL GRADING WORK BETWEEN OCTOBER 15th AND APRIL 15th IS AT THE DISCRETION OF THE SANTA CLARA COUNTY BUILDING OFFICIAL.
- PROVIDE SHRUBS AND/OR TREES REQUIRED ON SLOPES GREATER THAN 15 FEET IN VERTICAL HEIGHT.
- THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL INSTALL AND MAINTAIN THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE ESTABLISHMENT OF PERMANENT STABILIZATION AND SEDIMENT CONTROL WITHIN THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT CONSTRUCTION MATERIALS, EXCAVATED MATERIALS, WASTE MATERIALS, AND SEDIMENT CAUSED BY EROSION FROM CONSTRUCTION ACTIVITIES ENTERING THE STORM DRAIN SYSTEM, WATERWAYS, AND ROADWAY INFRASTRUCTURE. BMP'S SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING PRACTICES APPLICABLE TO THE PUBLIC ROAD AND EXPRESSWAY FACILITIES:
  - REDUCTION OF POLLUTANTS IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE AND THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAYDOWN/STAGING AREAS.
  - REVENTION OF TRACKING OF MUD, DIRT AND CONSTRUCTION MATERIALS ONTO PUBLIC ROAD RIGHT OF WAY.
  - PREVENTION OF DISCHARGE OF WATER RUNOFF DURING DRY AND WET WEATHER CONDITIONS ONTO PUBLIC ROAD RIGHT OF WAY
- THE OWNER/OWNER'S CONTRACTOR, AGENT, AND/OR ENGINEER SHALL ENSURE THAT ALL TEMPORARY CONSTRUCTION FACILITIES, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MATERIALS, DELIVERIES, HAZARDOUS AND NON-HAZARDOUS MATERIAL STORAGE, EQUIPMENT, TOOLS, PORTABLE TOILETS, CONCRETE WASHOUT, GARBAGE CONTAINERS, LAYDOWN YARDS, SECONDARY CONTAINMENT AREAS, ETC. ARE LOCATED OUTSIDE THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY AND ANY PORTION OF THE SITE WHERE STORM WATER RUN-OFF IS DIRECTLY FLOWING INTO THE SANTA CLARA COUNTY MAINTAINED ROAD RIGHT OF WAY SHALL HAVE SEASONALLY APPROPRIATE BMP'S INSTALLED AND MAINTAINED AT ALL TIMES.



PLAN # \_\_\_\_\_ OF \_\_\_\_\_ SHEET

REVISIONS:		
DATE	DESCRIPTION	BY:

**HANNA-BRUNETTI**  
EST. 1992  
CIVIL ENGINEERS • LAND SURVEYORS  
CONSTRUCTION MANAGERS  
7651 EAGLEBERRY STREET • GILROY • 95020 • CALIFORNIA  
OFFICE (408) 842-2113 • FAX (408) 842-3682  
EMAIL: ENGINEERING@HANNABRUNETTI.COM

DATE: APRIL 2022  
HORIZ. SCALE: 1"=60'  
VERT. SCALE: NONE  
DESIGNED BY: AM  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: TM

date: \_\_\_\_\_  
Hanna - Brunetti  
  
Amanda Joy Musy-Verdel  
R.C.E. # 69278



REFERENCES

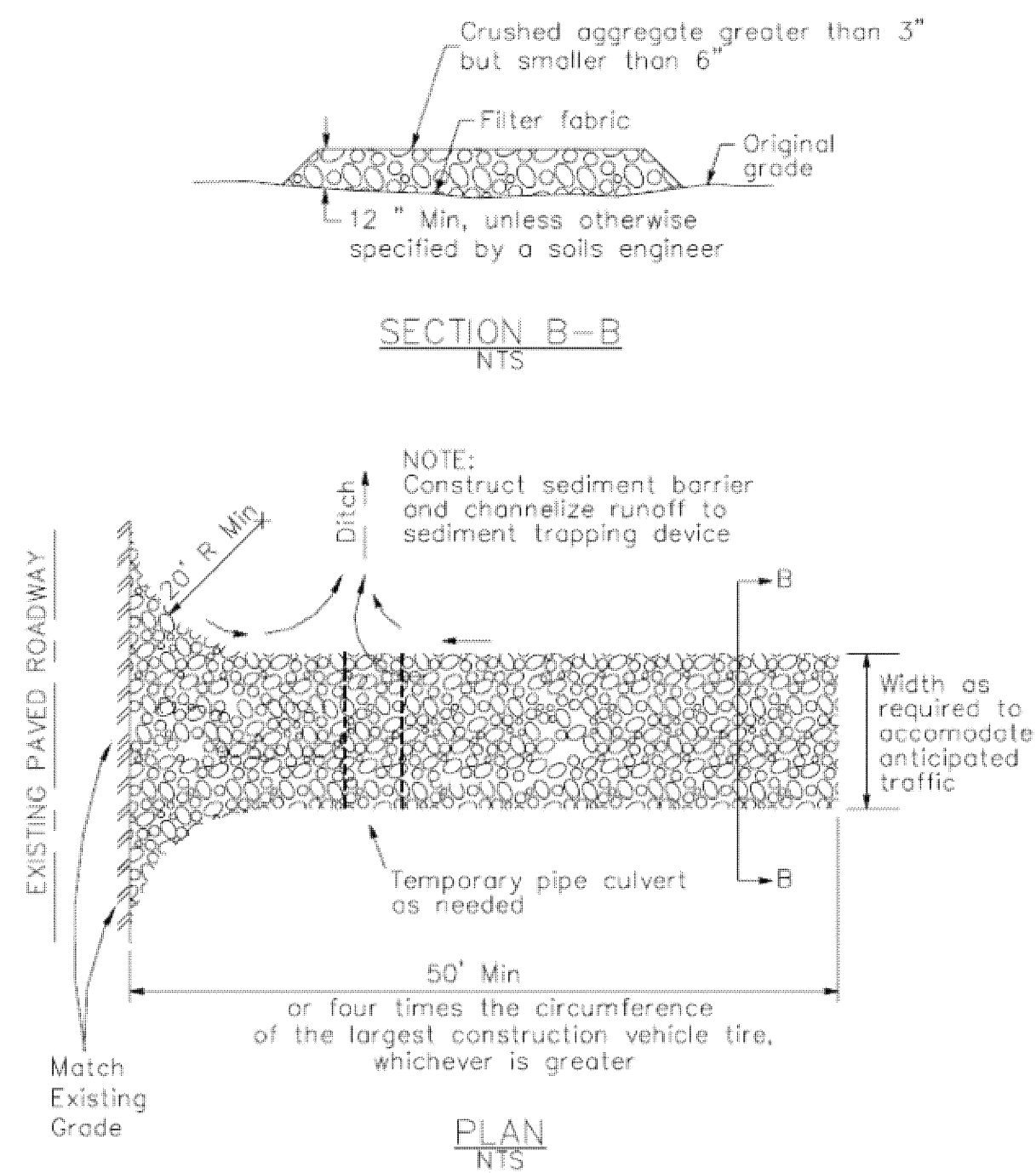
UNINCORPORATED  
APRIL 2022

**Erosion Control Plan**  
Lands of Hartigan - W Edmondson Avenue - apn 767-19-034 & -035  
SANTA CLARA COUNTY CALIFORNIA

SHEET  
**12**  
OF 14  
JOB NO.  
**21096**

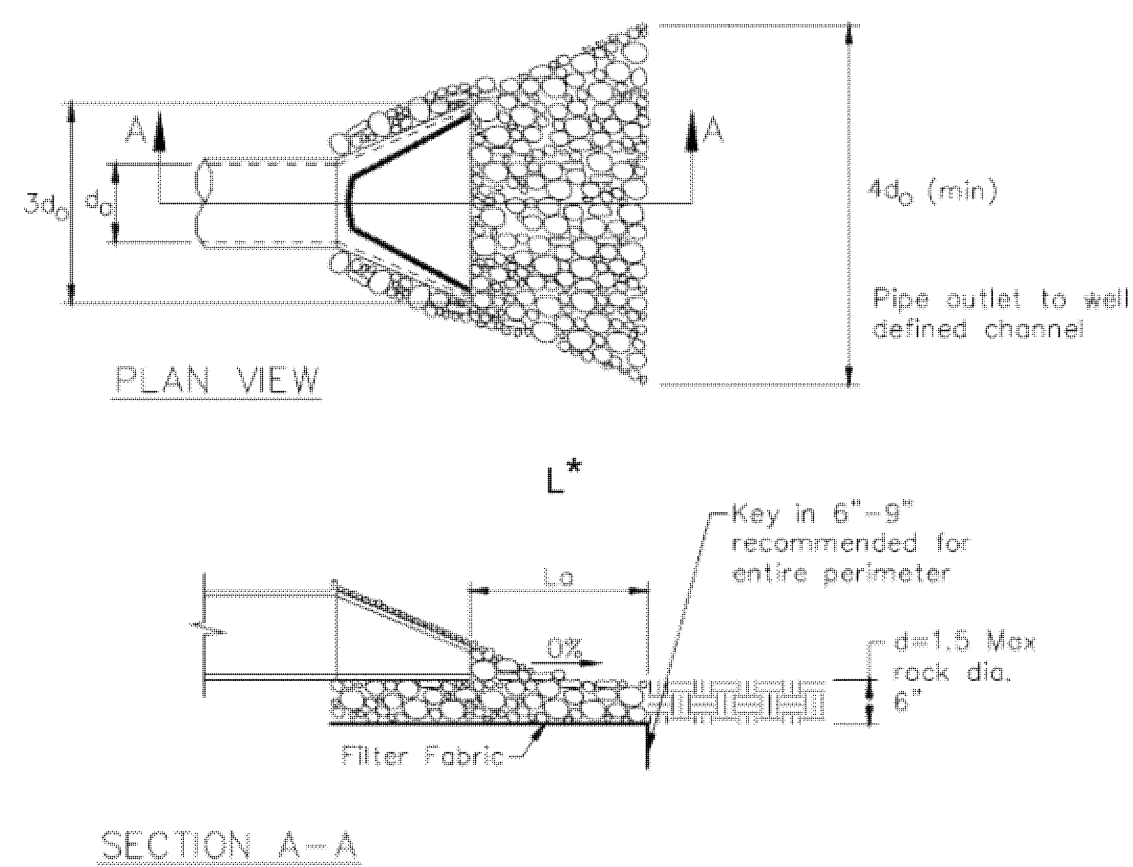
### 3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



### 4 Velocity Dissipation Devices

CASQA Detail EC-10

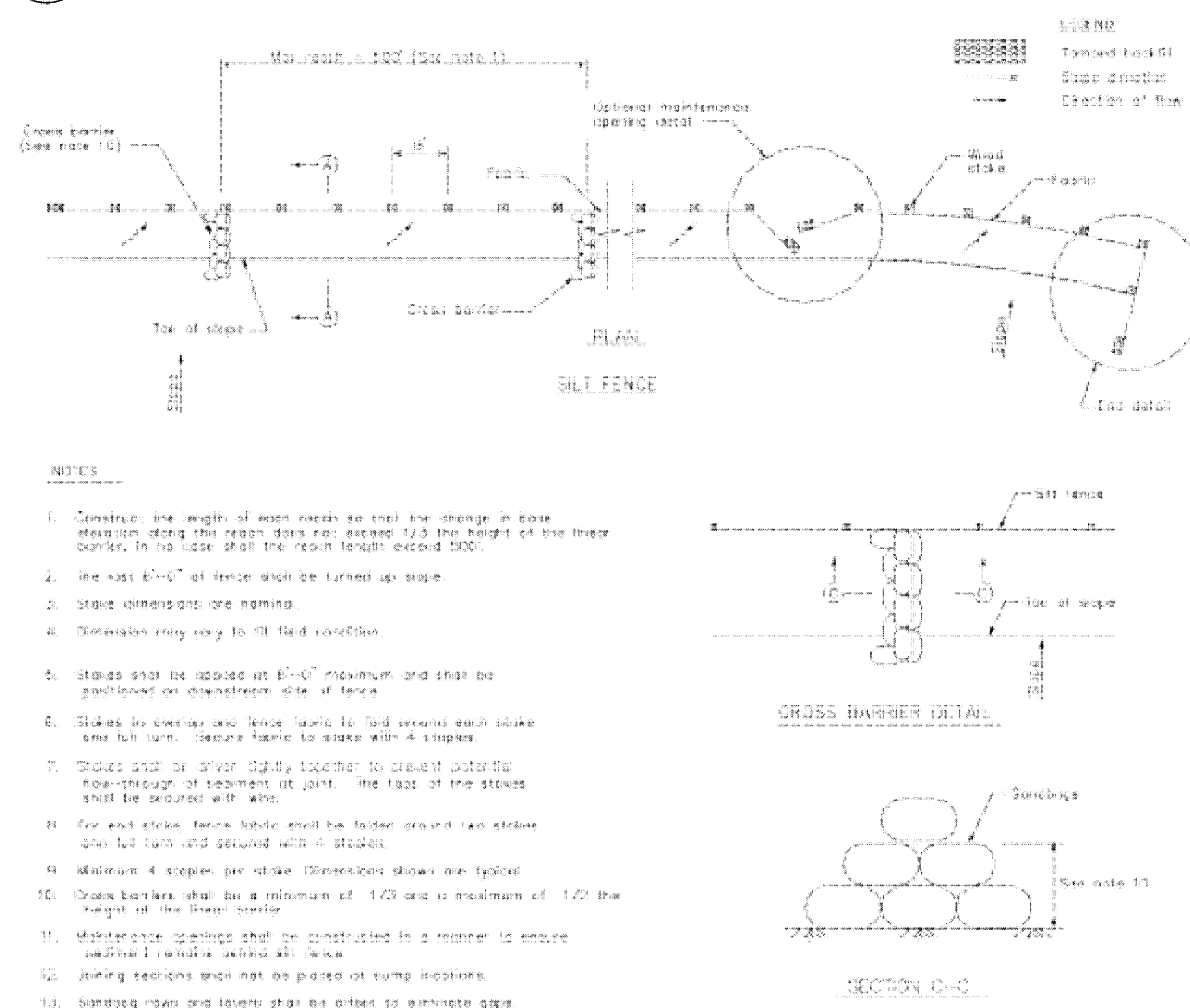


\* Length per ABAG Design Standards

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

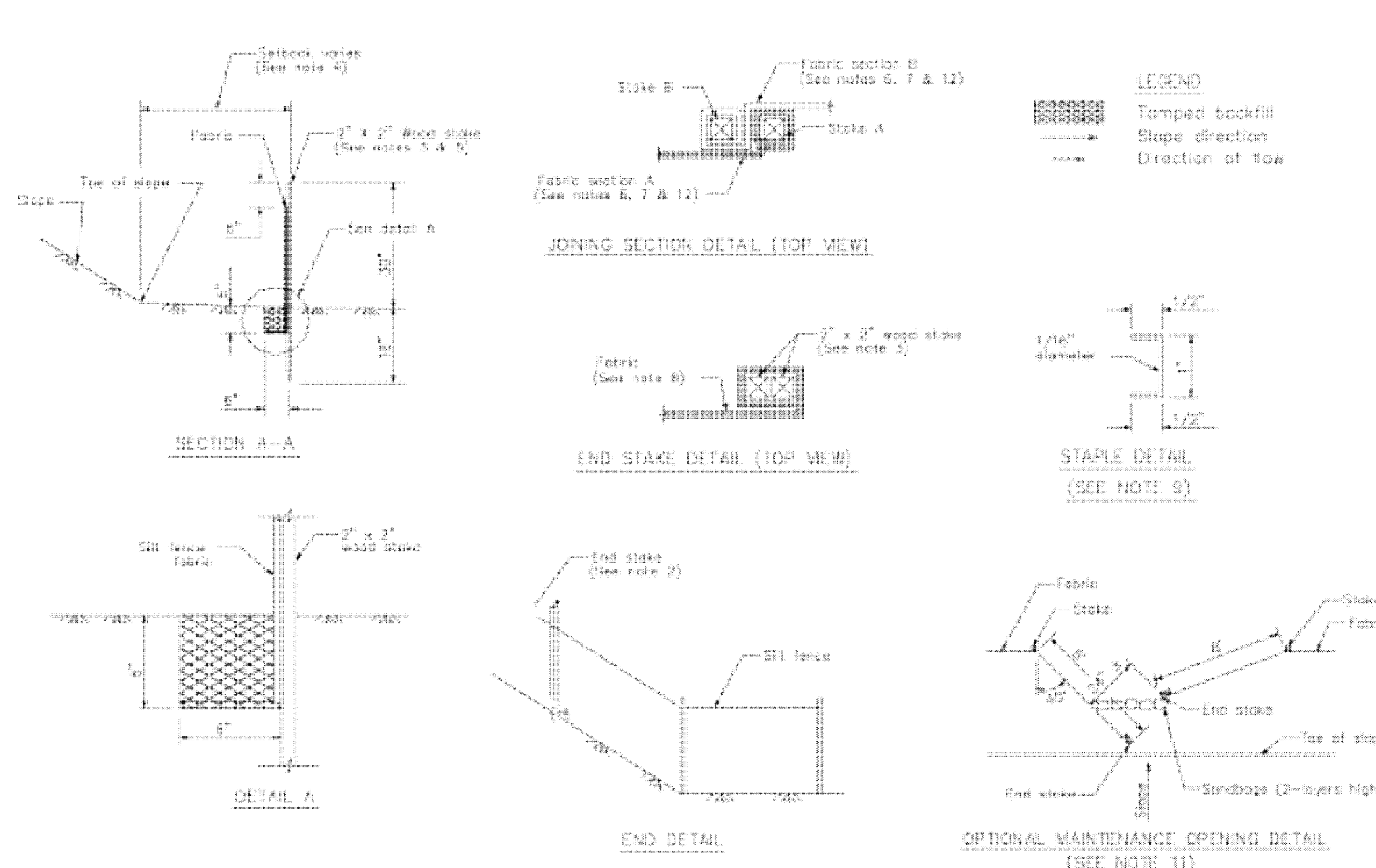
### 1 Silt Fence

CASQA Detail SE-1



### 2 Silt Fence

CASQA Detail SE-1



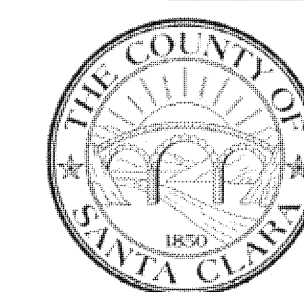
#### STANDARD BEST MANAGEMENT PRACTICE NOTES

- 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.

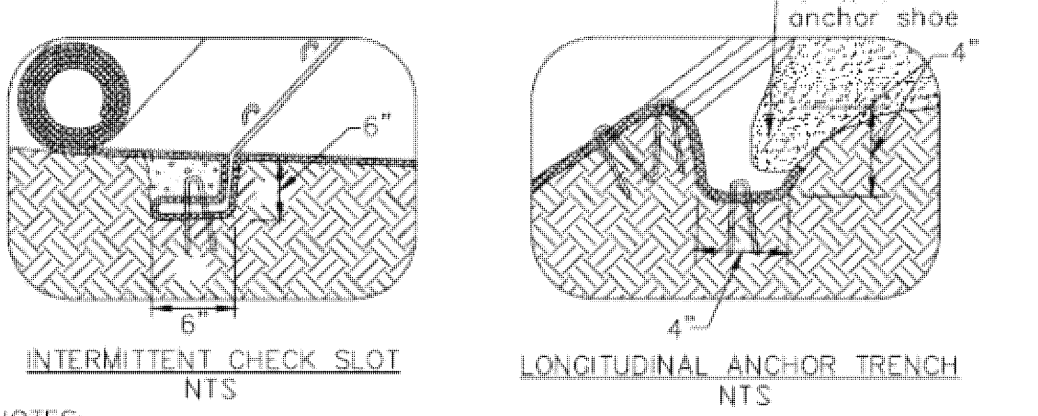
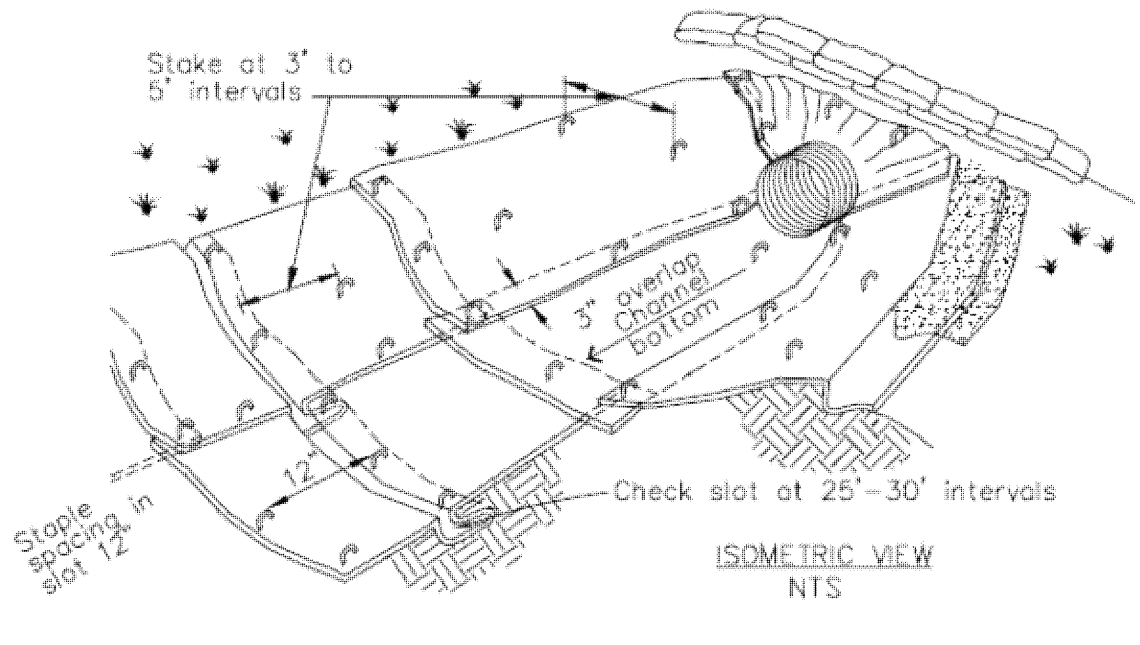
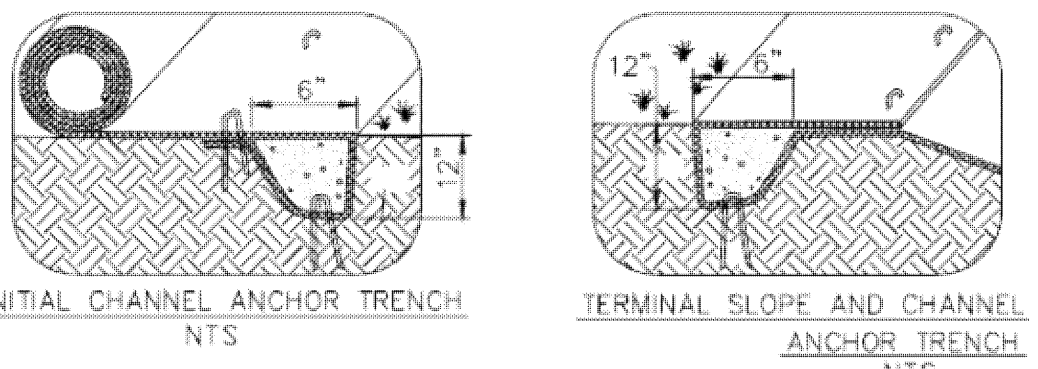
Project Information



7

### Geotextiles and Mats

CASQA Detail EC-7



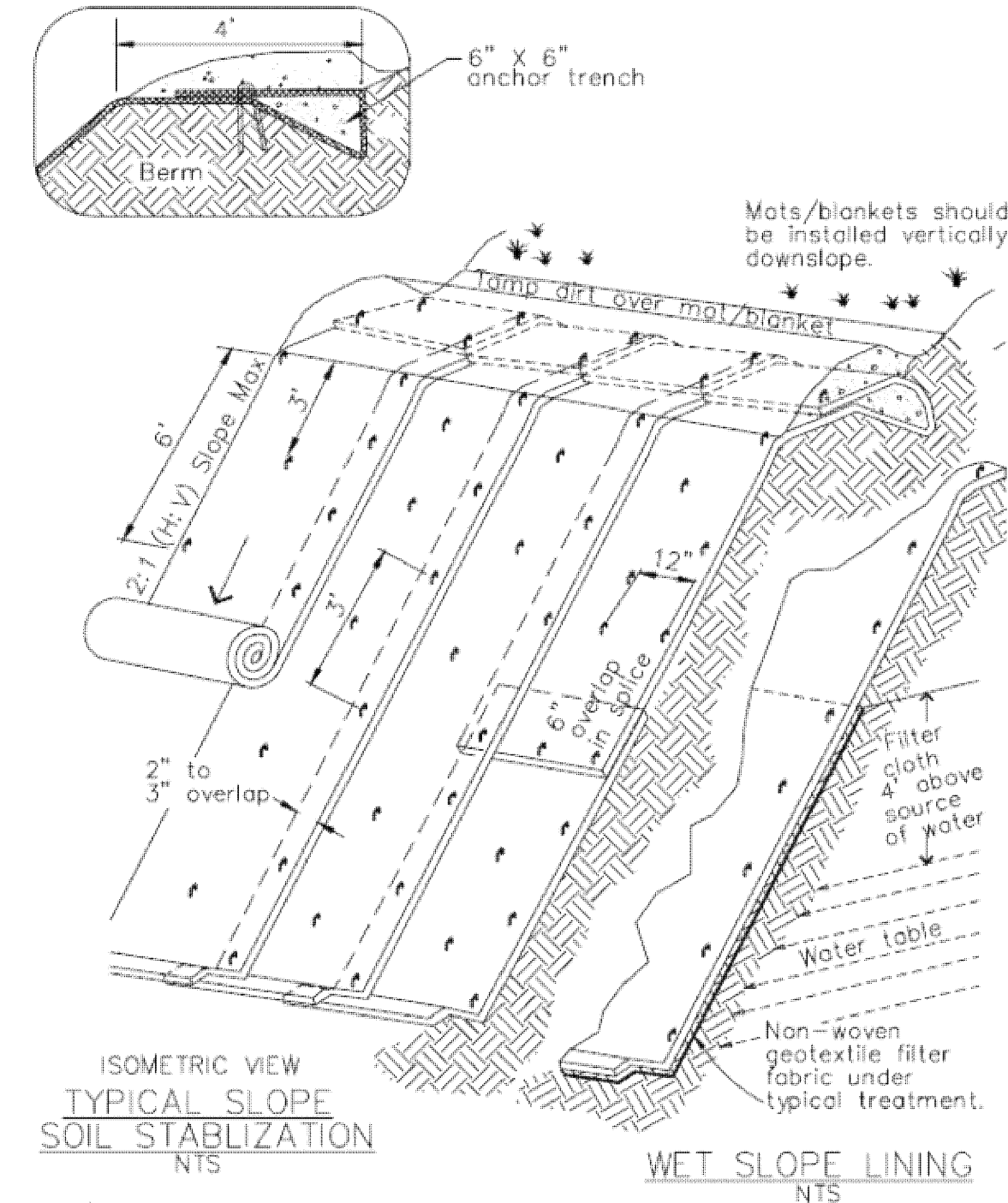
- NOTES:
1. Check slots to be constructed per manufacturers specifications.
  2. Staking or stapling layout per manufacturers specifications.
  3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

5

### Geotextiles and Mats

CASQA Detail EC-7



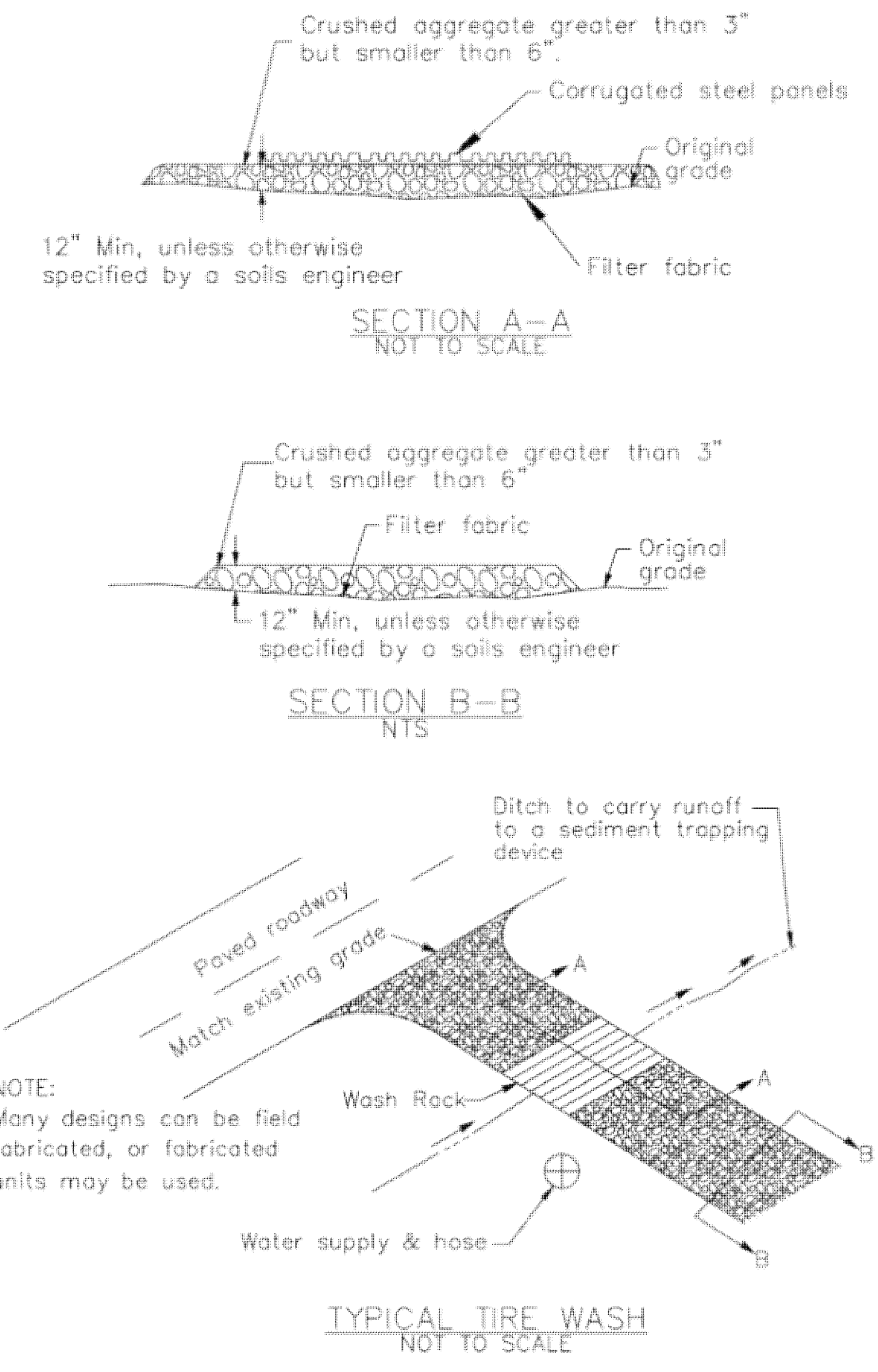
- NOTES:
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
  2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
  3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL

3

### Entrance/Outlet Tire Wash

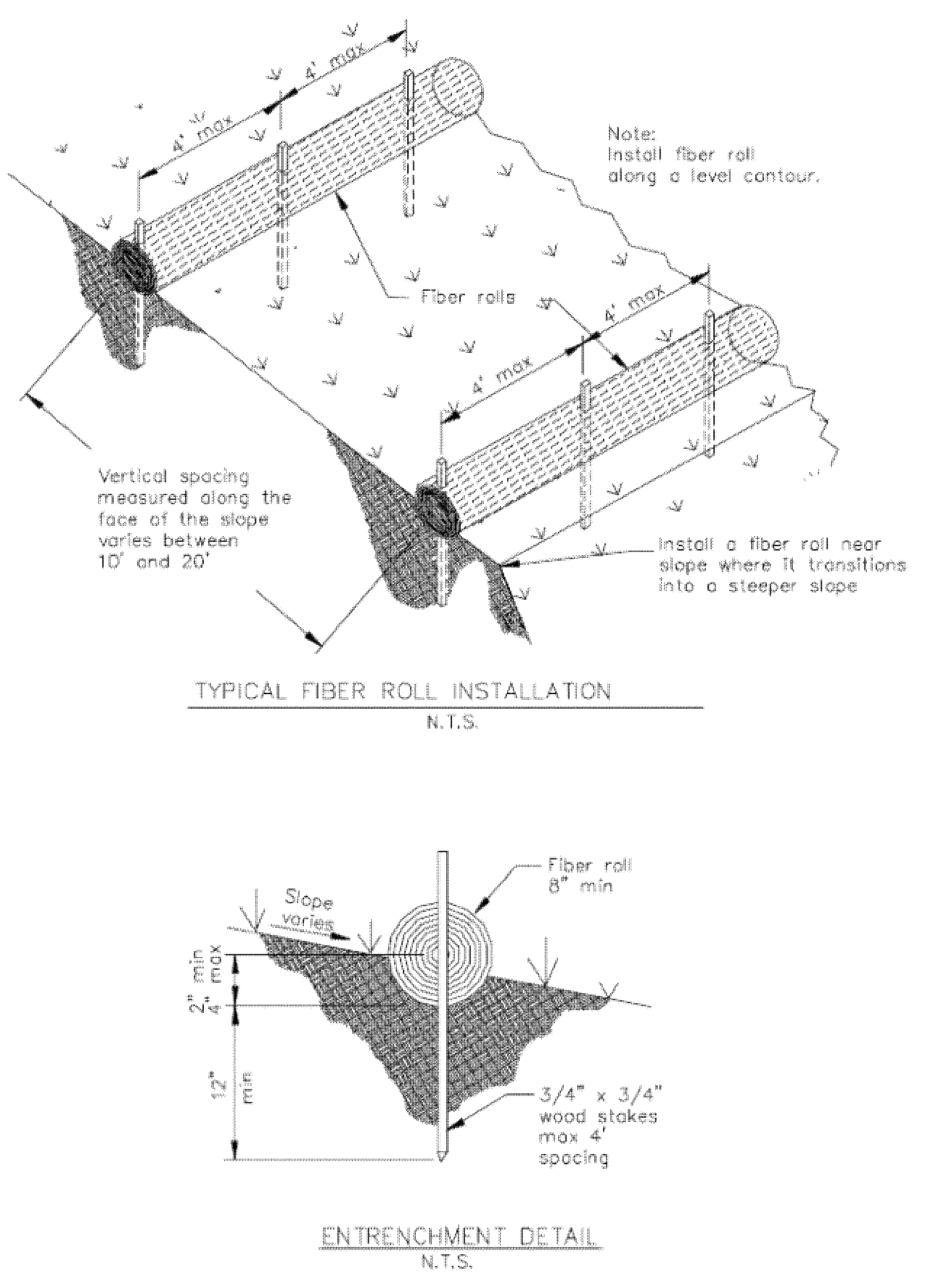
CASQA Detail TC-3



1

### Fiber Rolls

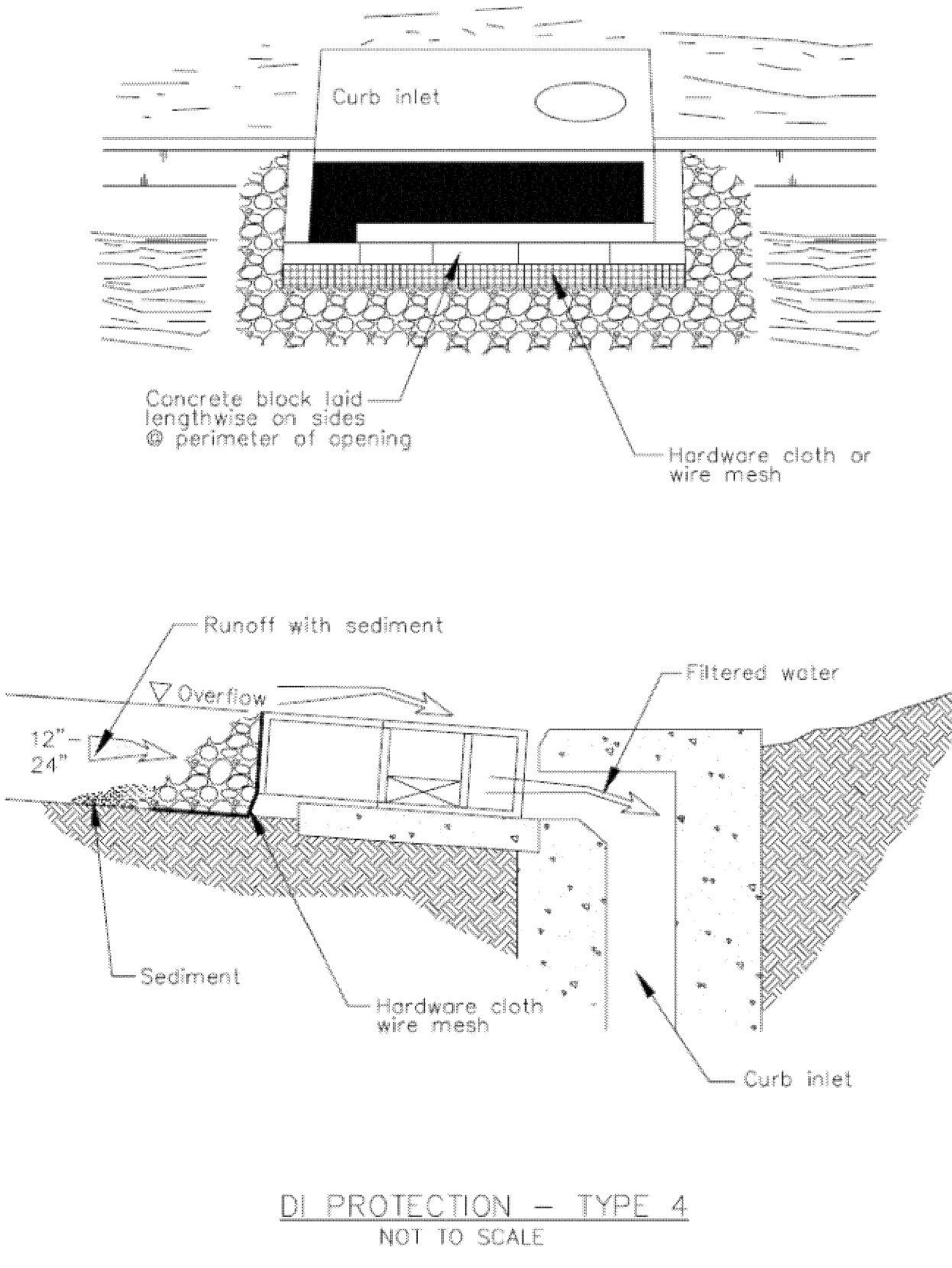
CASQA Detail SE-5



8

### Storm Drain Inlet Protection

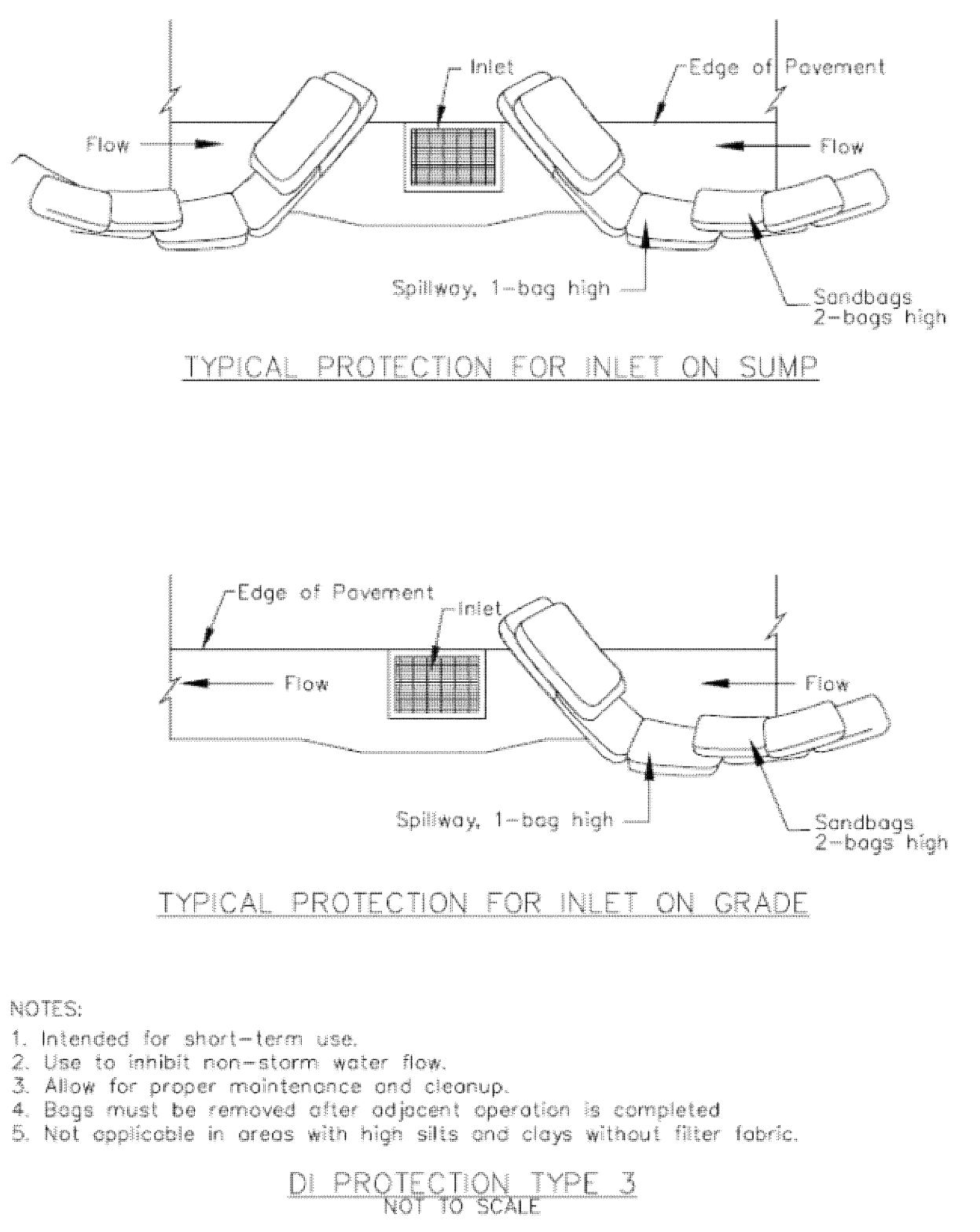
CASQA Detail SE-10



6

### Storm Drain Inlet Protection

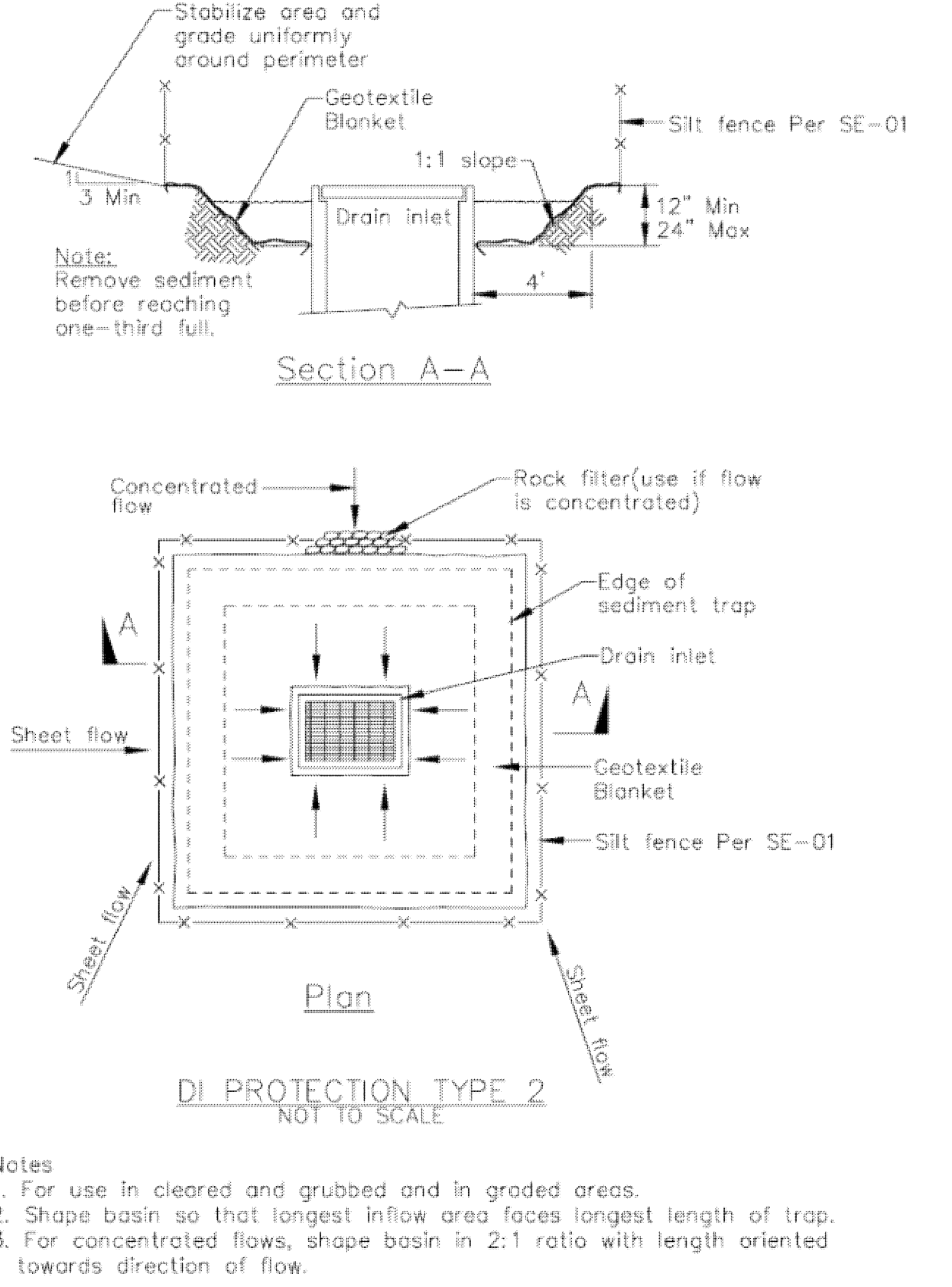
CASQA Detail SE-10



4

### Storm Drain Inlet Protection

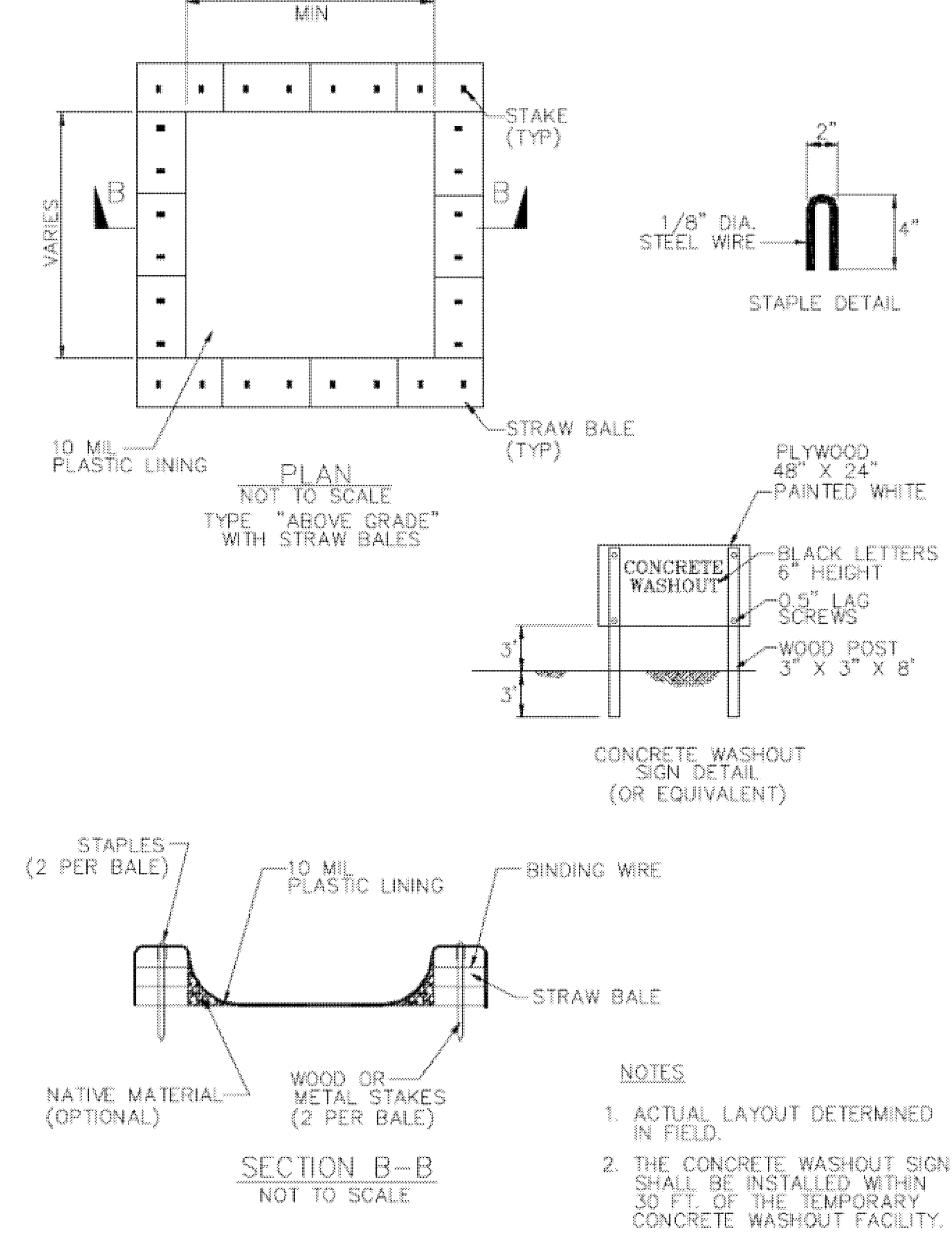
CASQA Detail SE-10



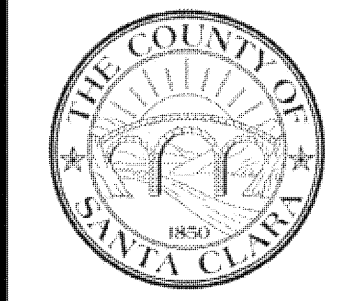
2

### Concrete Waste Management

CASQA Detail WM-8



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



Project Information