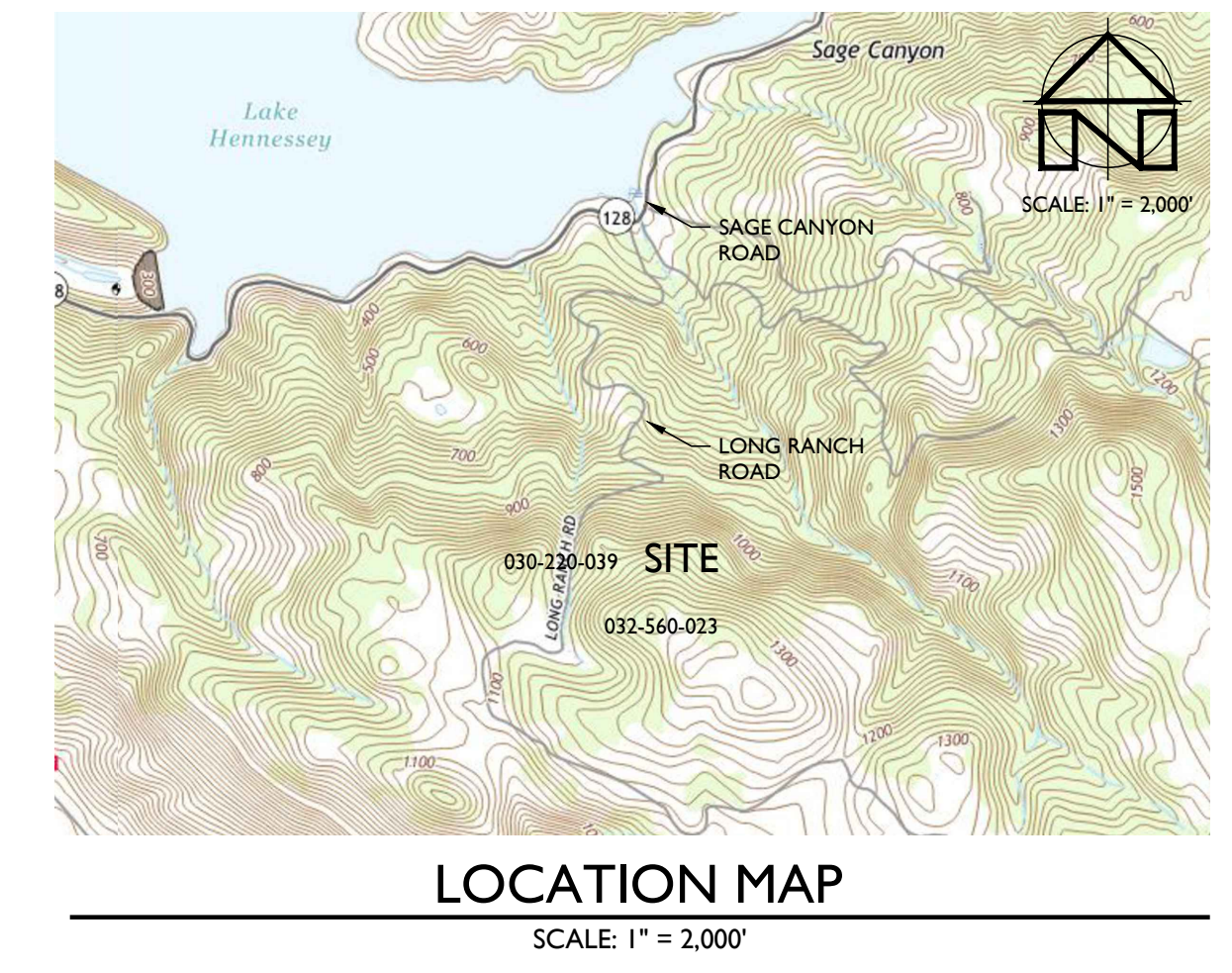
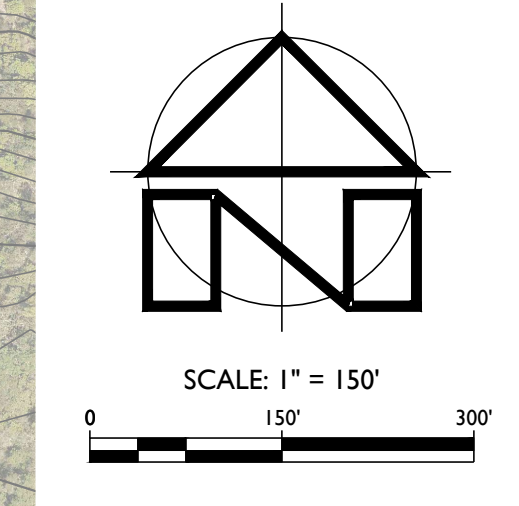
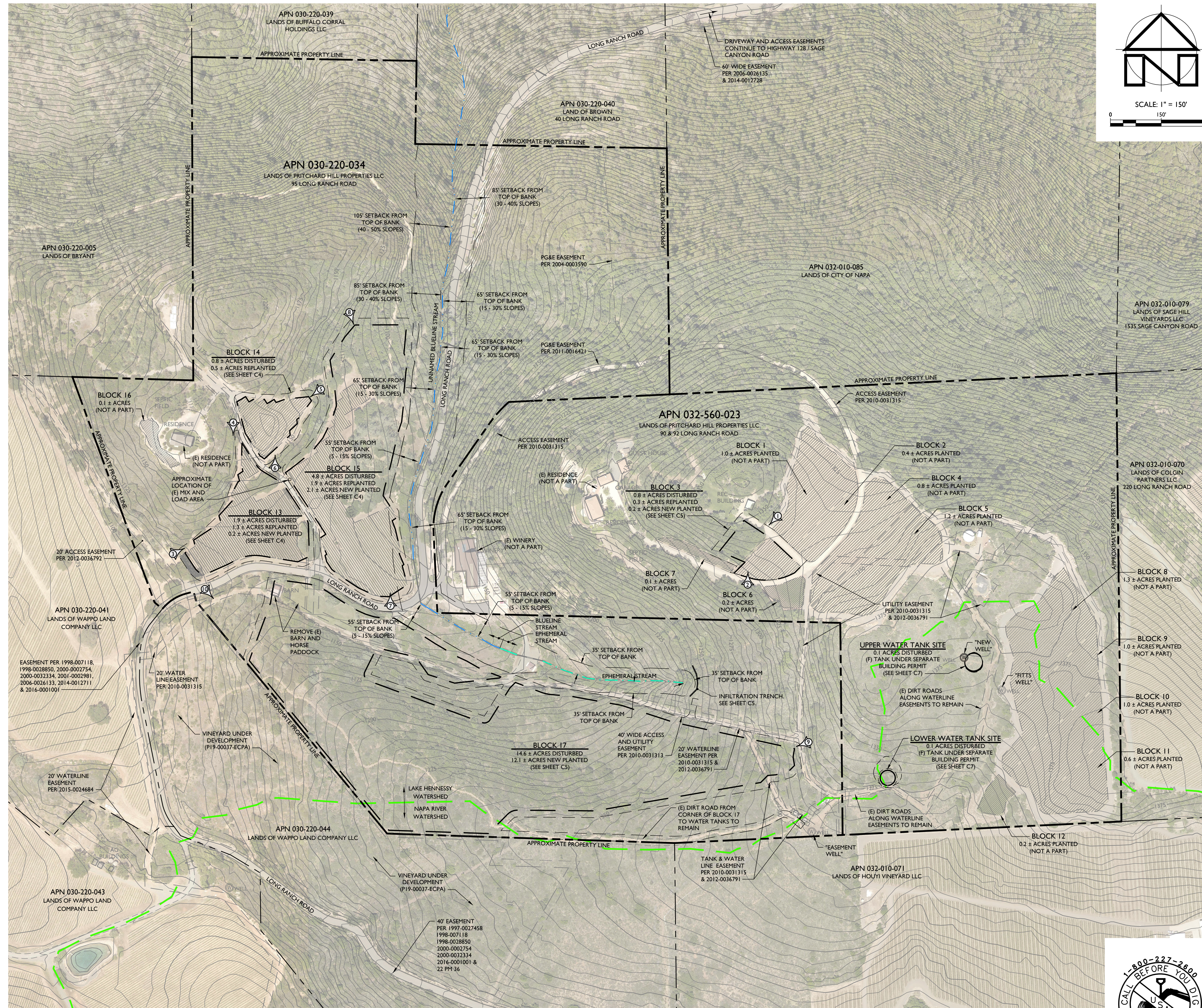


PRITCHARD HILL PROPERTIES LLC

VINEYARD DEVELOPMENT EROSION CONTROL PLAN



PROJECT INFORMATION:
PROPERTY OWNER & APPLICANT:
 PRITCHARD HILL PROPERTIES LLC
 420 PALM STREET
 PALO ALTO, CA 94301
SITE ADDRESS:
 90, 92 & 95 LONG RANCH ROAD
 ST. HELENA, CA 94574
ASSESSOR'S PARCEL NUMBERS:
 032-560-023 & 030-220-034
PARCEL SIZES:
 42.3 ± & 66.6 ± ACRES
PROJECT SIZES:
 23.0 ± ACRES TOTAL DISTURBED
 18.6 ± ACRES TOTAL PLANTED
 4.0 ± ACRES REPLANTED
 14.6 ± ACRES NEW PLANTED
ZONING:
 AGRICULTURAL WATERSHED (AW)
WATER SOURCE:
 EXISTING WELLS

SHEET INDEX:

C1	OVERALL SITE PLAN
C2	NOTES, ABBREVIATIONS AND LEGEND
C3	VINEYARD SLOPE DETERMINATION SECTIONS
C4	EROSION CONTROL PLAN - VINEYARD BLOCKS 13, 14 AND 15
C5	EROSION CONTROL PLAN - VINEYARD BLOCKS 3 AND 17
C6	FENCING AND WATER LINE EXHIBIT
C7	WATER TANK EROSION CONTROL PLANS
C8	DETAILS

PROJECT DESCRIPTION:
 THE PURPOSE OF THIS PROJECT IS TO REPLANT AND EXPAND 4 VINEYARD BLOCKS AND CREATE 1 NEW VINEYARD BLOCK ON THE SUBJECT PARCELS.

FLOOD HAZARD NOTE:
 ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) MAP NUMBER 06055C0405E, EFFECTIVE SEPTEMBER 26, 2008, THE PROJECT SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA.

LEGEND:

---	APPROXIMATE PROPERTY LINE
---	BLUELINE STREAM
---	EPHEMERAL STREAM
---	EXISTING VINEYARD BLOCK
---	VINEYARD AVENUE / LIMIT OF GRADING
---	LIMIT OF VINEYARD BLOCK
---	PHOTO LOCATION AND DIRECTION

SITE PHOTOGRAPH NOTES:
 (P) REPRESENTS APPROXIMATE LOCATION AND DIRECTION OF ISOMETRIC VIEW OBTAINED FROM GOOGLE EARTH IMAGERY DATED SEPTEMBER 1, 2018. SEE PHOTOGRAPHIC DOCUMENTATION OF EXISTING SITE CONDITIONS FOR THE PRITCHARD HILL PROPERTIES LLC VINEYARD DEVELOPMENT EROSION CONTROL PLAN FOR PHOTOGRAPHS.

OVERALL SITE PLAN
 SCALE: 1" = 150'

APPLIED CIVIL ENGINEERING INCORPORATED
 2160 Jefferson Street, Suite 230
 Napa, CA 94559
 (707) 220-4988 | www.appliedcivil.com

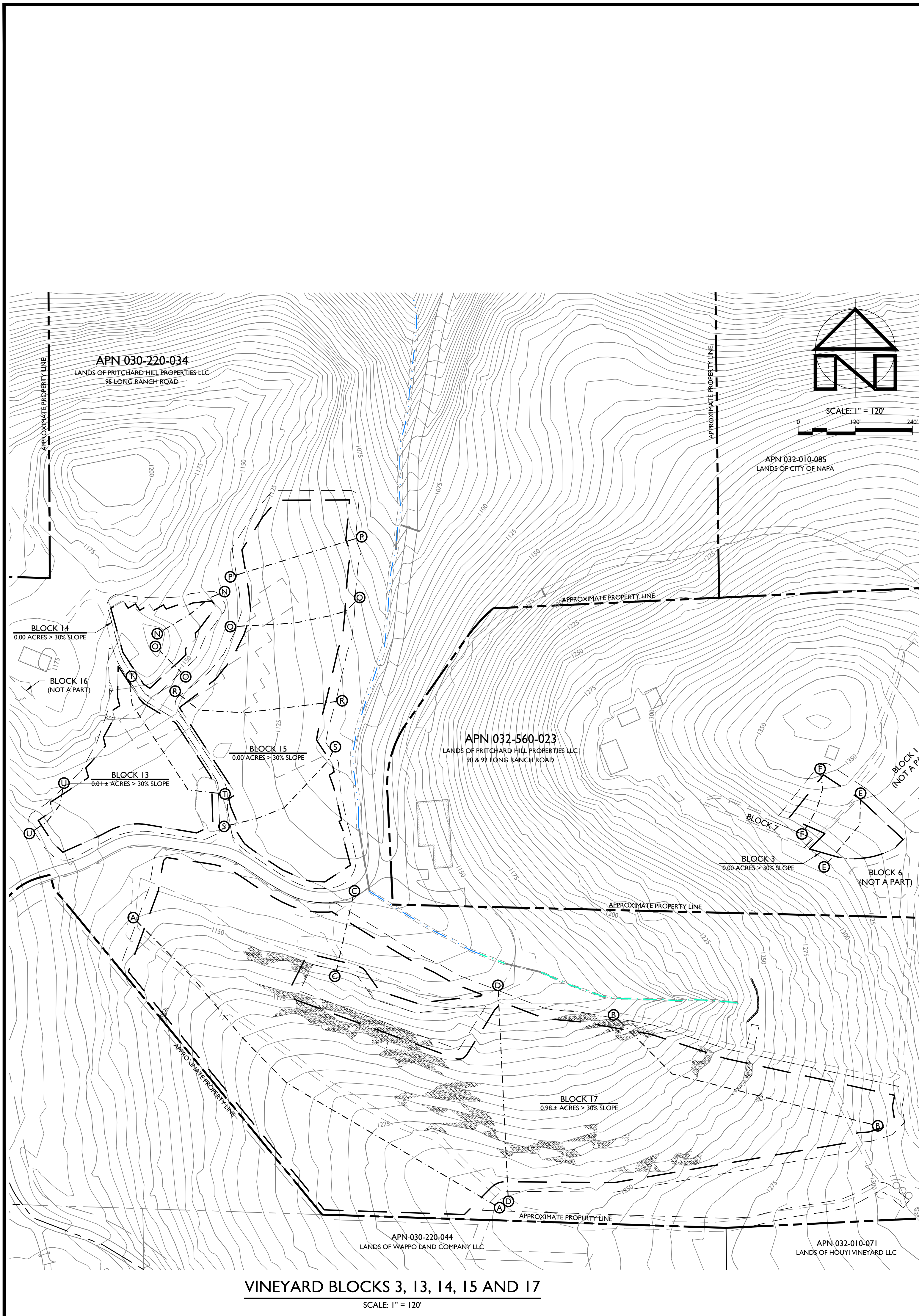
PRITCHARD HILL PROPERTIES LLC
VINEYARD DEVELOPMENT EROSION CONTROL PLAN
OVERALL SITE PLAN

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
 MICHAEL R. MUELLER
 NO. 67435
 Exp. 12/31/2022
 CIVIL
 STATE OF CALIFORNIA

DRAWN BY: Power/CAD LLC
 CHECKED BY: MRM
 DATE: NOVEMBER 11, 2022
 REVISIONS: BY: YMS
 7/7/2020 YMS PERMIT SUBMITTAL
 4/7/2021 YMS PLAN CHECK COMMENTS
 11/11/2022 YMS PROJECT REVISION

JOB NUMBER: 15-132
 FILE: 15-132ECP-OSP.DWG
 ORIGINAL SIZE: 24" X 36"
 SHEET NUMBER: C1 OF 8

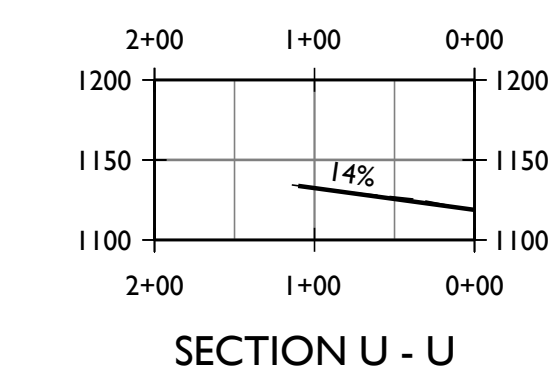
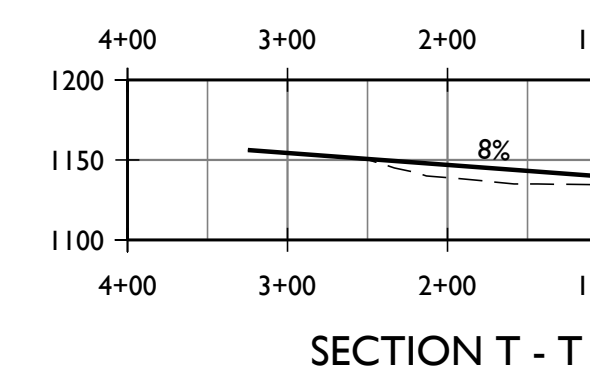
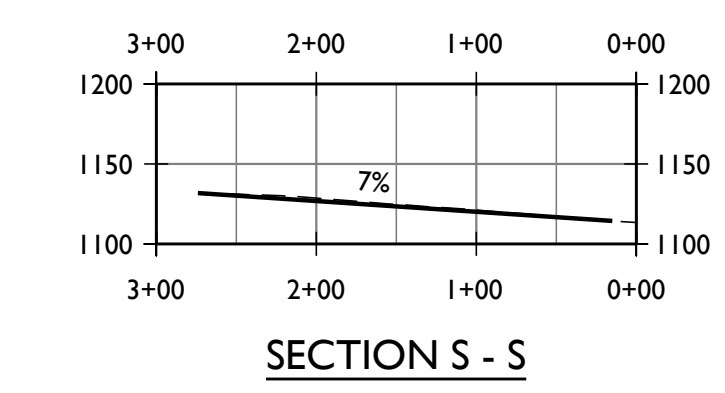
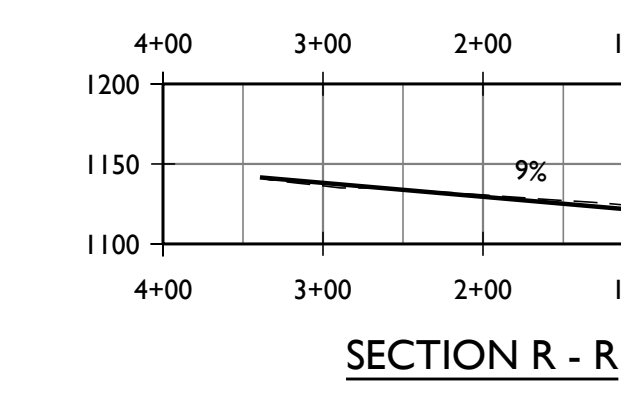
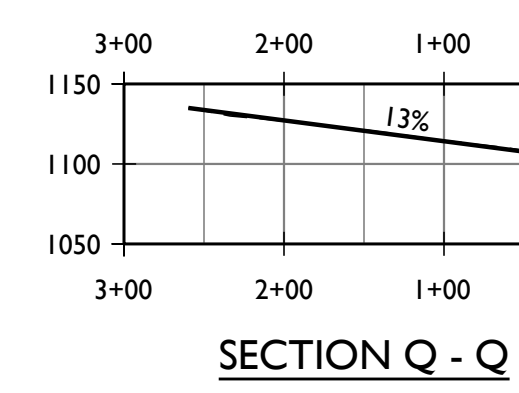
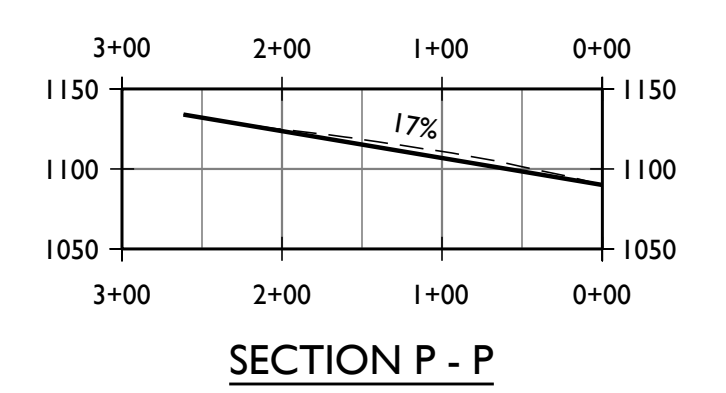
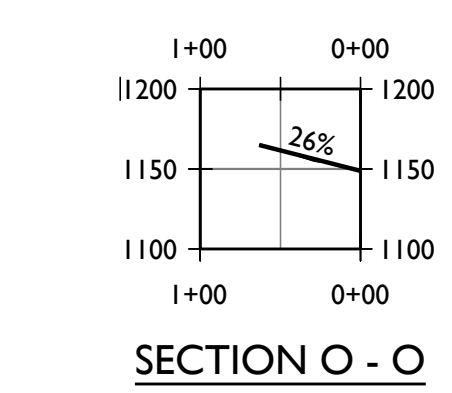
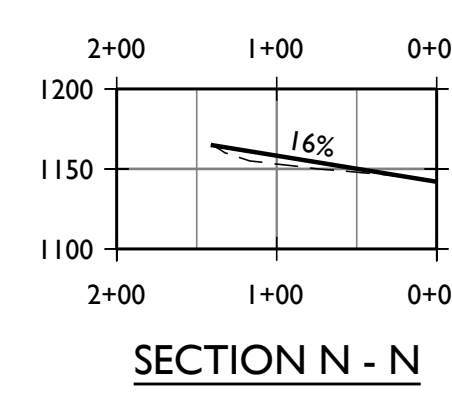
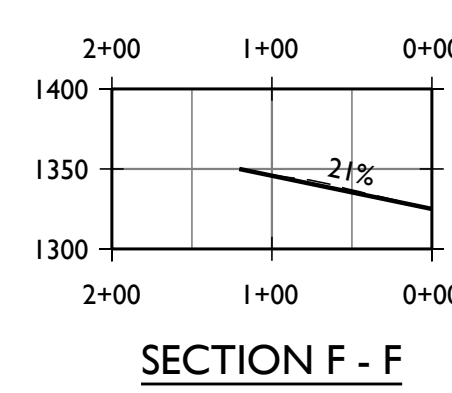
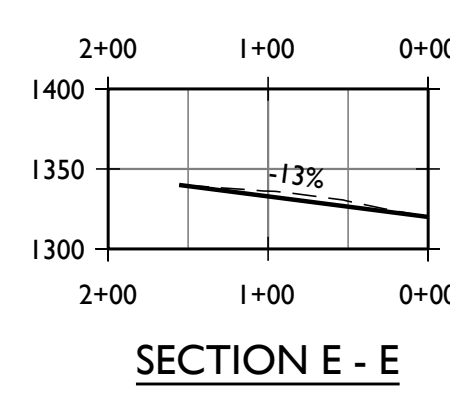
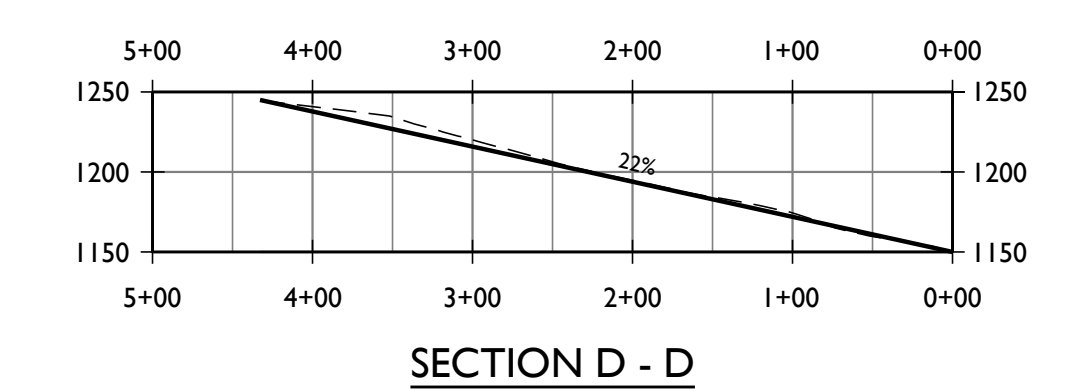
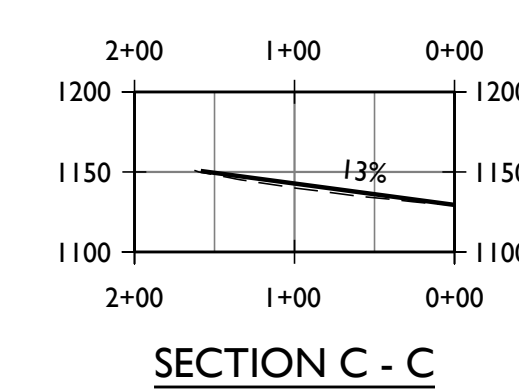
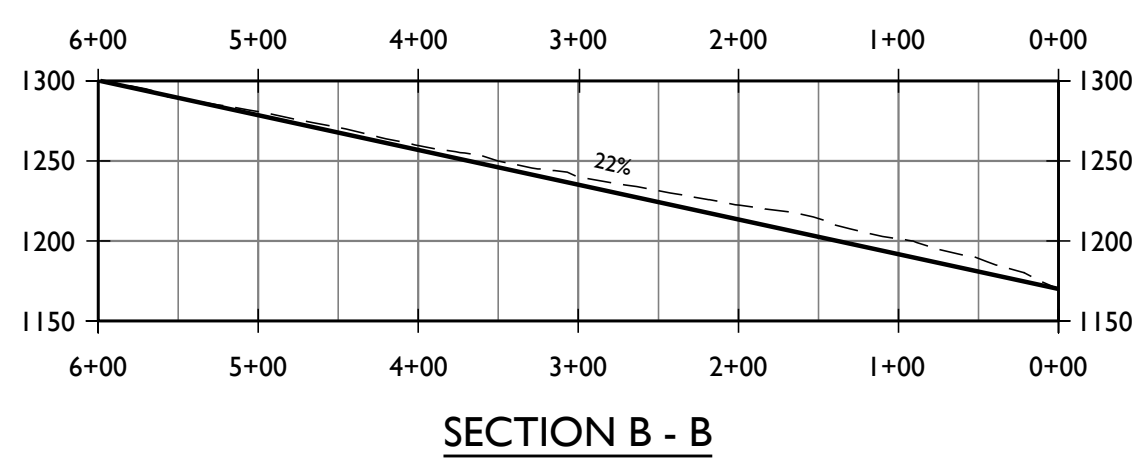
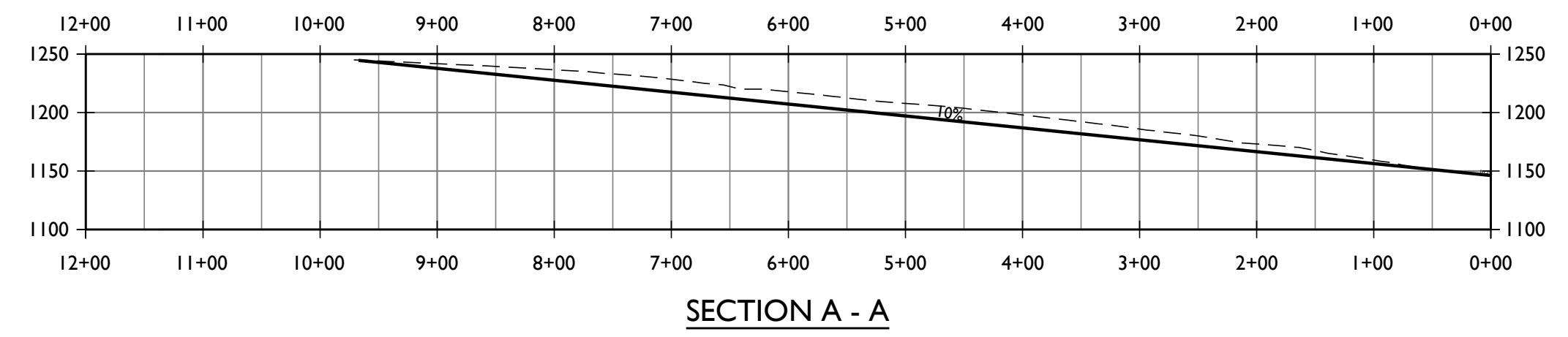


LEGEND:

- APPROXIMATE PROPERTY LINE
- - - VINEYARD CLEARING LIMITS / VINEYARD AVENUE
- LIMIT OF VINEYARD BLOCK
- ⊗ SLOPE SECTION. SEE TABLE, THIS SHEET.
- ▨ > 30% SLOPES (0.99 ± ACRES TOTAL)

VINEYARD SLOPE SECTIONS

BLOCK 17	
A - A	10%
B - B	22%
C - C	13%
D - D	22%
BLOCK 3	
E - E	13%
F - F	21%
BLOCK 14	
N - N	16%
O - O	26%
BLOCK 15	
P - P	17%
Q - Q	13%
R - R	9%
S - S	7%
BLOCK 13	
T - T	8%
U - U	14%
AVERAGE	16%



VINEYARD SLOPE SECTIONS

SCALE: 1" = 120'

PRITCHARD HILL PROPERTIES LLC
 VINEYARD DEVELOPMENT EROSION CONTROL PLAN
 VINEYARD SLOPE DETERMINATION SECTIONS

PREPARED UNDER THE DIRECTION OF:



DRAWN BY: PowerCAD LLC

CHECKED BY: MRM

DATE: NOVEMBER 11, 2022

REVISIONS: 7/7/2020 BY: YMS PERMIT SUBMITTAL

1/ 4/7/2021 YMS PLAN CHECK COMMENTS

2/ 11/11/2022 YMS PROJECT REVISION

JOB NUMBER: 15-132

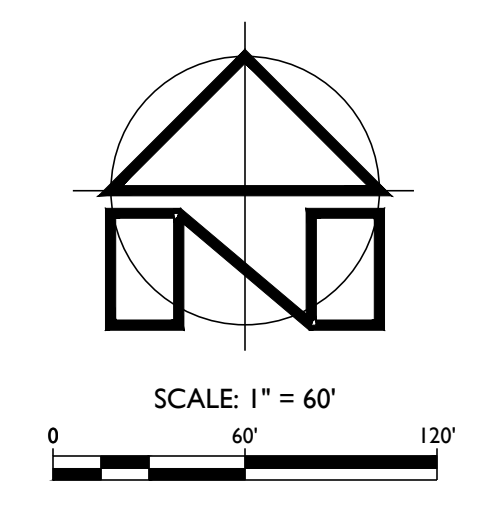
FILE: 15-132ECP-SITESEC.DWG

ORIGINAL SIZE: 24" X 36"

SHEET NUMBER:

C3

OF 8



LEGEND:

	APPROXIMATE PROPERTY LINE
	VINEYARD AVENUE / LIMIT OF GRADING
	LIMIT OF VINEYARD BLOCK
	VINE ROWS & ROW DIRECTION
	BLUELINE STREAM
	SOIL TYPE BOUNDARY
	STRAW WATTLE SEDIMENT BARRIER
	TEMPORARY CONSTRUCTION FENCING
	WATERBAR
	ROCK ENERGY DISSIPATOR

SOILS TYPE LEGEND:

TYPE	DESCRIPTION
154	HENNEKE GRAVELLY LOAM, 30 TO 75 PERCENT SLOPES
176	ROCK OUTCROP-HAMBRIGHT COMPLEX, 50 TO 75 PERCENT SLOPES
178	SOBRANTE LOAM, 5 TO 30 PERCENT SLOPES
179	SOBRANTE LOAM, 30 TO 50 PERCENT SLOPES

SOIL TYPE BOUNDARIES SHOWN ON THIS MAP ARE BASED ON THE NAPA COUNTY GEOGRAPHIC INFORMATION SYSTEM DATA AND SHOULD BE CONSIDERED APPROXIMATE.

- NOTES:**
- ALL CLEARING LIMITS SHALL BE MARKED BY THE ENGINEER OR SURVEYOR PRIOR TO CONSTRUCTION AND TEMPORARY CONSTRUCTION FENCING (ORANGE FENCING OR EQUIVALENT) SHALL BE INSTALLED ALONG THE CLEARING LIMITS PRIOR TO ANY LAND PREPARATION ACTIVITIES. THE TEMPORARY CONSTRUCTION FENCING SHALL BE ADJUSTED AROUND THE CANOPY OF ANY TREES THAT ARE TO REMAIN OUTSIDE OF THE CLEARING LIMITS WITH CANOPY THAT OVERHANGS INTO THE CLEARING LIMITS TO KEEP LAND PREPARATION ACTIVITIES OUTSIDE OF THE TREE CANOPY AREA.
 - ALL STREAM SETBACKS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - TRACK WALK ENTIRE DISTURBED AREA. SEE SURFACE ROUGHENING DETAIL SHEET C8.
 - ALL TEMPORARY STAGING, STOCKPILE AND PARKING AREAS SHALL BE WITHIN THE PROPOSED DEVELOPMENT AREAS. NO STAGING, STOCKPILING, PARKING OR OTHER LAND DISTURBANCE SHALL OCCUR OUTSIDE OF THE PROPOSED DEVELOPMENT AREAS.

PRITCHARD HILL PROPERTIES LLC
VINEYARD DEVELOPMENT EROSION CONTROL PLAN
EROSION CONTROL PLAN - VINEYARD BLOCKS 13, 14 AND 15

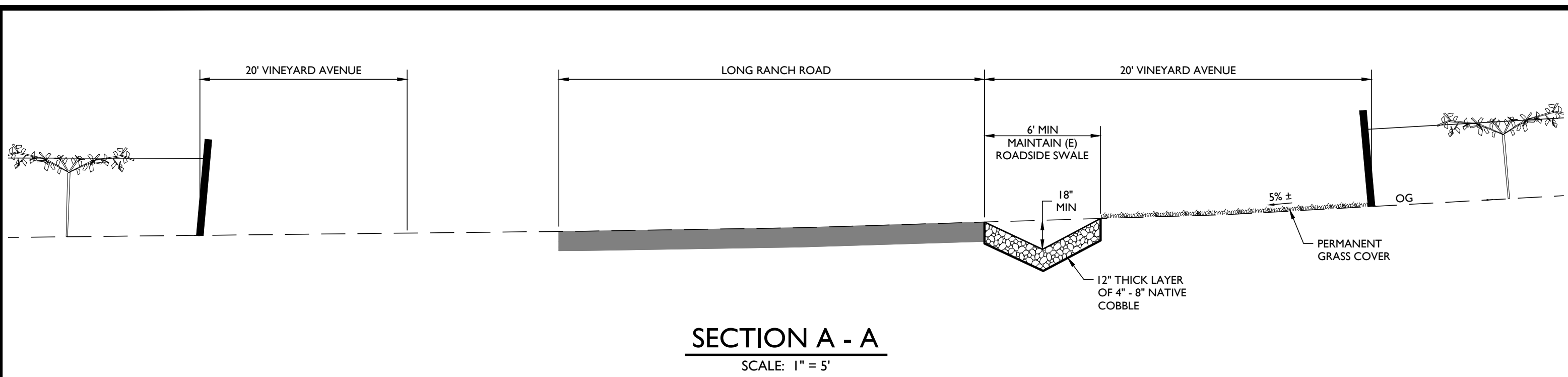
PREPARED UNDER THE DIRECTION OF:



DRAWN BY:	Power/CAD LLC
CHECKED BY:	MRM
DATE:	NOVEMBER 11, 2022
REVISIONS:	BY:
7/7/2020	YMS
	PERMIT SUBMITTAL
1/4/2021	YMS
	PLAN CHECK COMMENTS
1/11/2022	YMS
	PROJECT REVISION

JOB NUMBER:	15-132
FILE:	15-132ECP-PLANS.DWG
ORIGINAL SIZE:	24" X 36"
SHEET NUMBER:	

EROSION CONTROL PLAN - VINEYARD BLOCKS 13, 14 AND 15
SCALE: 1" = 60'



LEGEND:

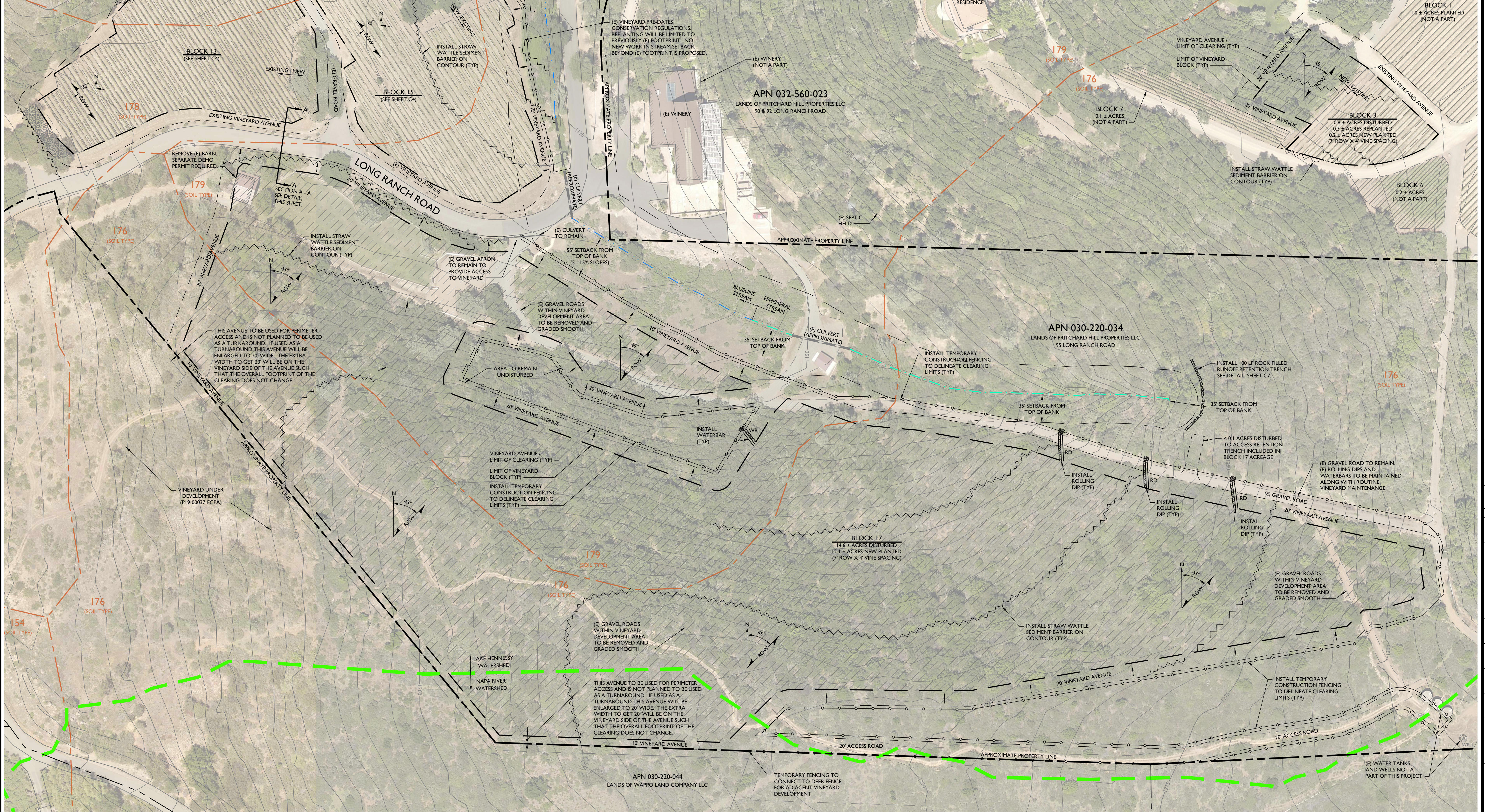
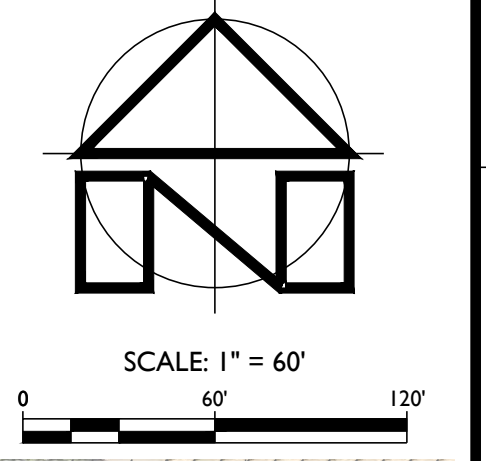
- APPROXIMATE PROPERTY LINE
- VINEYARD AVENUE / LIMIT OF GRADING
- LIMIT OF VINEYARD BLOCK
- VINE ROWS & ROW DIRECTION
- BLUELINE STREAM
- SOIL TYPE BOUNDARY
- STRAW WATTLE SEDIMENT BARRIER
- TEMPORARY CONSTRUCTION FENCING
- WATERBAR / ROLLING DIP
- ROCK ENERGY DISSIPATOR

NOTES:

1. ALL CLEARING LIMITS SHALL BE MARKED BY THE ENGINEER OR SURVEYOR PRIOR TO CONSTRUCTION AND TEMPORARY CONSTRUCTION FENCING (ORANGE FENCING OR EQUIVALENT) SHALL BE INSTALLED ALONG THE CLEARING LIMITS PRIOR TO ANY LAND PREPARATION ACTIVITIES. THE TEMPORARY CONSTRUCTION FENCING SHALL BE ADJUSTED AROUND THE CANOPY OF ANY TREES THAT ARE TO REMAIN OUTSIDE OF THE CLEARING LIMITS WITH CANOPY THAT OVERHANGS INTO THE CLEARING LIMITS TO KEEP LAND PREPARATION ACTIVITIES OUTSIDE OF THE TREE CANOPY AREA.
2. ALL STREAM SETBACKS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. TRACK WALK ENTIRE DISTURBED AREA. SEE SURFACE ROUGHENING DETAIL, SHEET C8.
4. ALL TEMPORARY STAGING, STOCKPILE AND PARKING AREAS SHALL BE WITHIN THE PROPOSED DEVELOPMENT AREAS. NO STAGING, STOCKPILING, PARKING OR OTHER LAND DISTURBANCE SHALL OCCUR OUTSIDE OF THE PROPOSED DEVELOPMENT AREAS.

SOILS TYPE LEGEND:

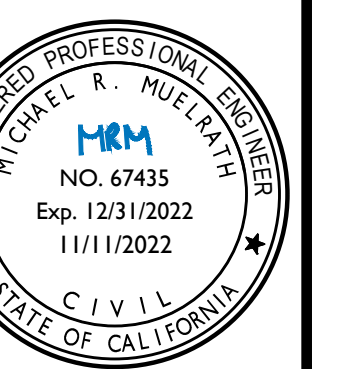
- | TYPE | DESCRIPTION |
|------|---|
| 154 | HENNEKE GRAVELLY LOAM, 30 TO 75 PERCENT SLOPES |
| 176 | ROCK OUTCROP-HAMBRIGHT COMPLEX, 50 TO 75 PERCENT SLOPES |
| 178 | SOBRANTE LOAM, 5 TO 30 PERCENT SLOPES |
| 179 | SOBRANTE LOAM, 30 TO 50 PERCENT SLOPES |
- SOIL TYPE BOUNDARIES SHOWN ON THIS MAP ARE BASED ON THE NAPA COUNTY GEOGRAPHIC INFORMATION SYSTEM DATA AND SHOULD BE CONSIDERED APPROXIMATE.



EROSION CONTROL PLAN - VINEYARD BLOCKS 3 AND 17

SCALE: 1" = 60"

PREPARED UNDER THE DIRECTION OF:



DRAWN BY: PowerCAD LLC

CHECKED BY: MRM

DATE: NOVEMBER 11, 2022

REVISIONS: 7/7/2020 BY: YMS PERMIT SUBMITTAL

4/7/2021 YMS PLAN CHECK COMMENTS

11/11/2022 YMS PROJECT REVISION

JOB NUMBER: 15-132

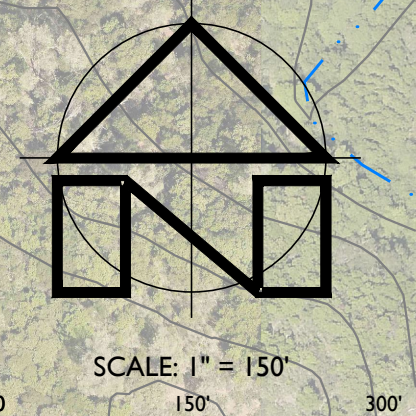
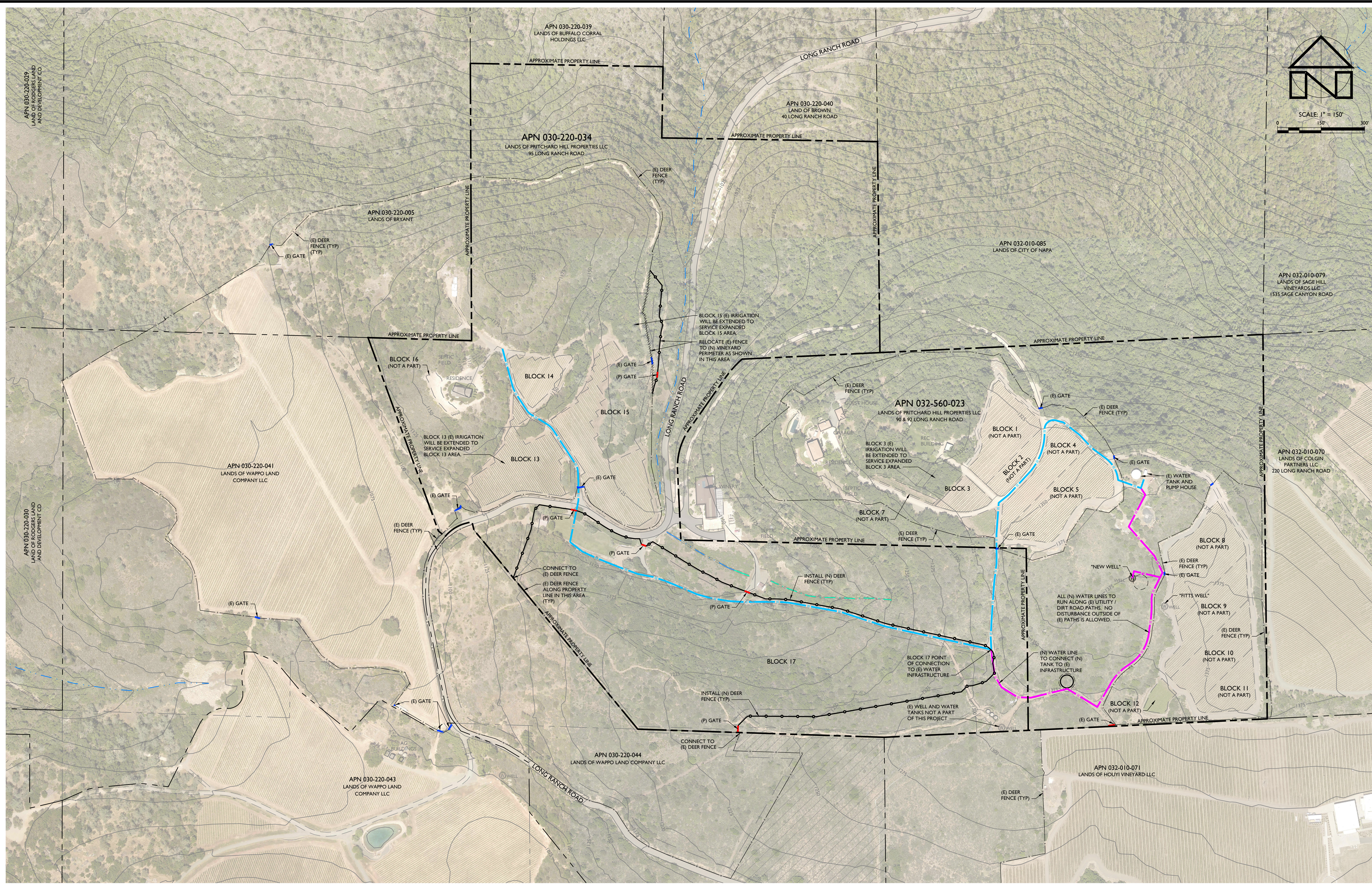
FILE: 15-132ECP-PLANS.DWG

ORIGINAL SIZE: 24" X 36"

SHEET NUMBER:

C5

OF 8



FENCING AND WATER LINE EXHIBIT
SCALE: 1" = 150'

LEGEND:

	APPROXIMATE PROPERTY LINE
	EXISTING FENCE
	EXISTING FENCE TO BE REMOVED
	NEW FENCE
	EXISTING GATE
	NEW GATE
	EXISTING WATER LINE
	NEW WATER LINE

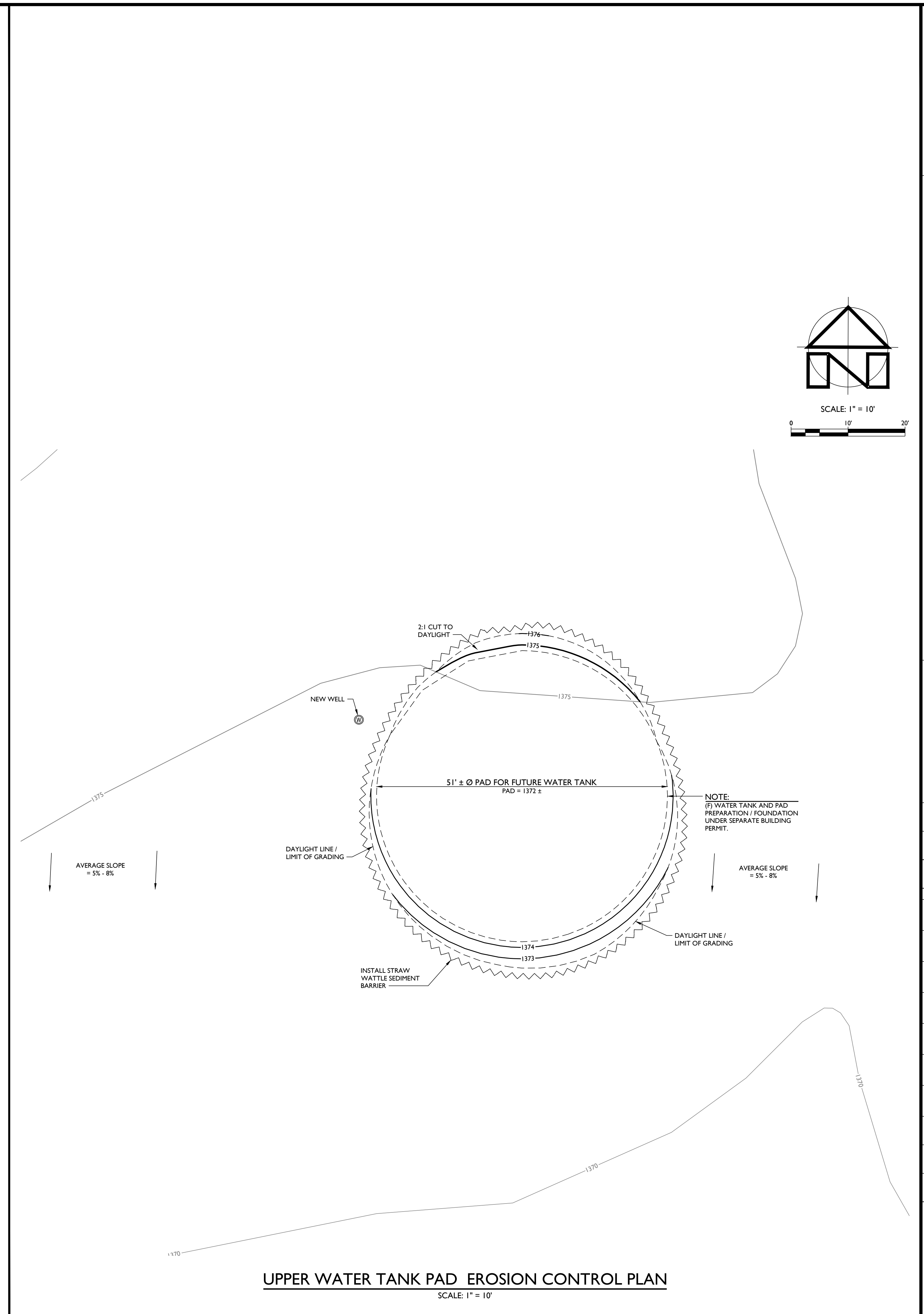
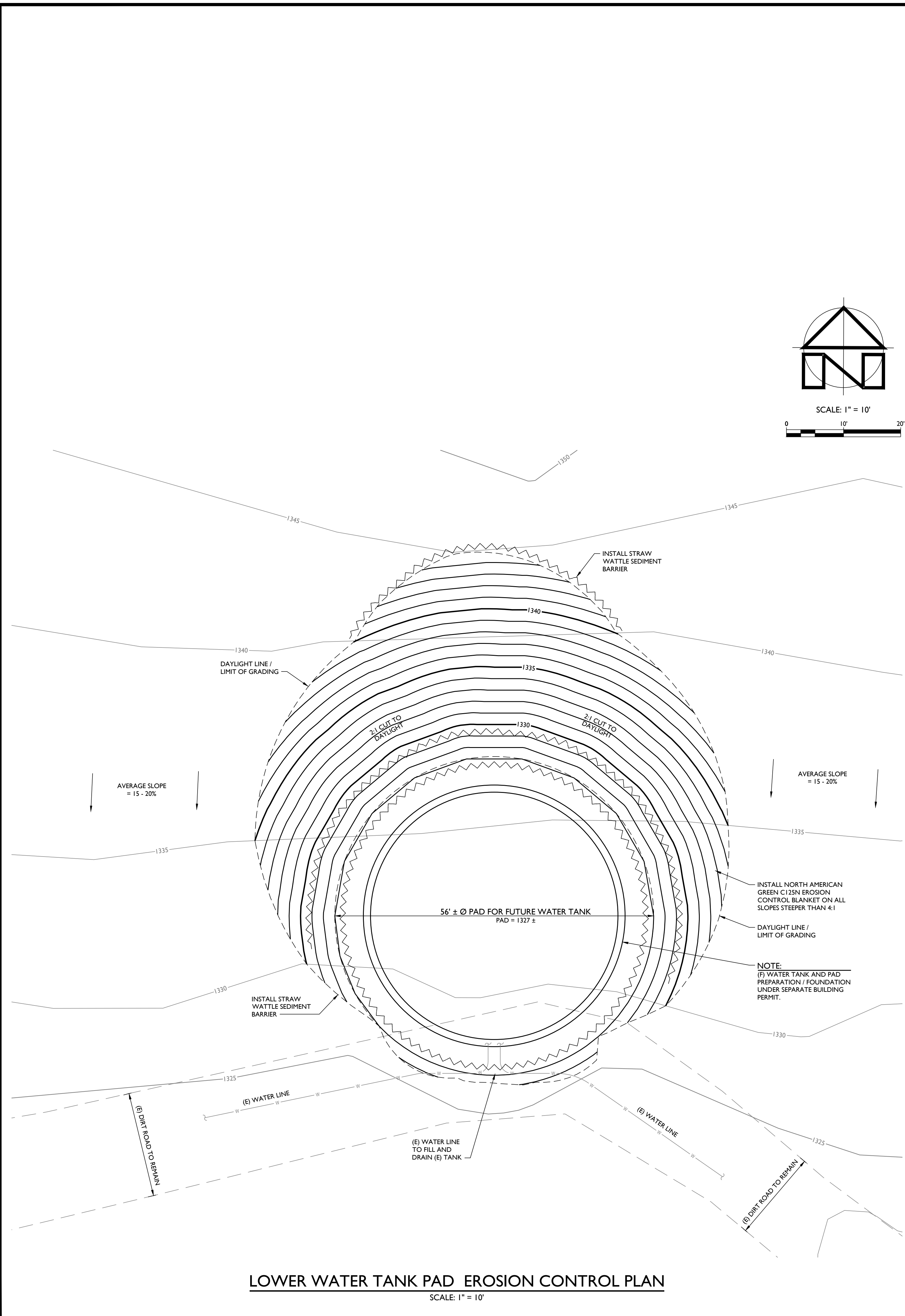
PRITCHARD HILL PROPERTIES LLC
VINEYARD DEVELOPMENT EROSION CONTROL PLAN
FENCING AND WATER LINE EXHIBIT

PREPARED UNDER THE DIRECTION OF:



DRAWN BY:	Power/CAD LLC
CHECKED BY:	MRM
DATE:	NOVEMBER 11, 2022
REVISIONS:	BY: YMS
1	7/7/2020 YMS PERMIT SUBMITTAL
2	4/7/2021 YMS PLAN CHECK COMMENTS
3	11/11/2022 YMS PROJECT REVISION

JOB NUMBER: 15-132
FILE: 15-132ECP-FNC.DWG
ORIGINAL SIZE: 24" X 36"
SHEET NUMBER:



PRITCHARD HILL PROPERTIES LLC
VINEYARD DEVELOPMENT EROSION CONTROL PLAN
WATER TANK EROSION CONTROL PLANS

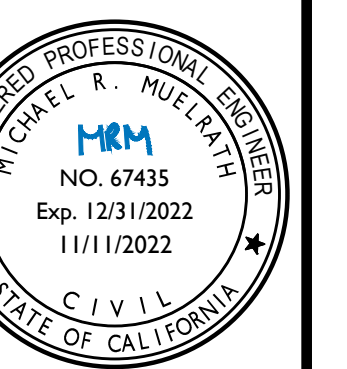
PREPARED UNDER THE DIRECTION OF:

 REGISTERED PROFESSIONAL ENGINEER
 MICHAEL R. MUELKEN
 NO. 67435
 Exp. 12/31/2022
 11/11/2022
 CIVIL
 STATE OF CALIFORNIA

DRAWN BY:	PowerCAD LLC
CHECKED BY:	MRM
DATE:	NOVEMBER 11, 2022
REVISIONS:	BY:
7/7/2020	YMS
PERMIT SUBMITTAL	
1/4/2021	YMS
PLAN CHECK COMMENTS	
11/11/2022	YMS
PROJECT REVISION	

JOB NUMBER:
15-132
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15-132ECP-TANK.DWG
 ORIGINAL SIZE:
24" X 36"
 SHEET NUMBER:

PREPARED UNDER THE DIRECTION OF:



DRAWN BY: PowerCAD LLC

CHECKED BY: MRM

DATE: NOVEMBER 11, 2022

REVISIONS: 7/7/2020 YMS PERMIT SUBMITTAL

4/7/2021 YMS PLAN CHECK COMMENTS

11/11/2022 YMS PROJECT REVISION

JOB NUMBER: 15-132

FILE: 15-132ECP-DETAILS.DWG

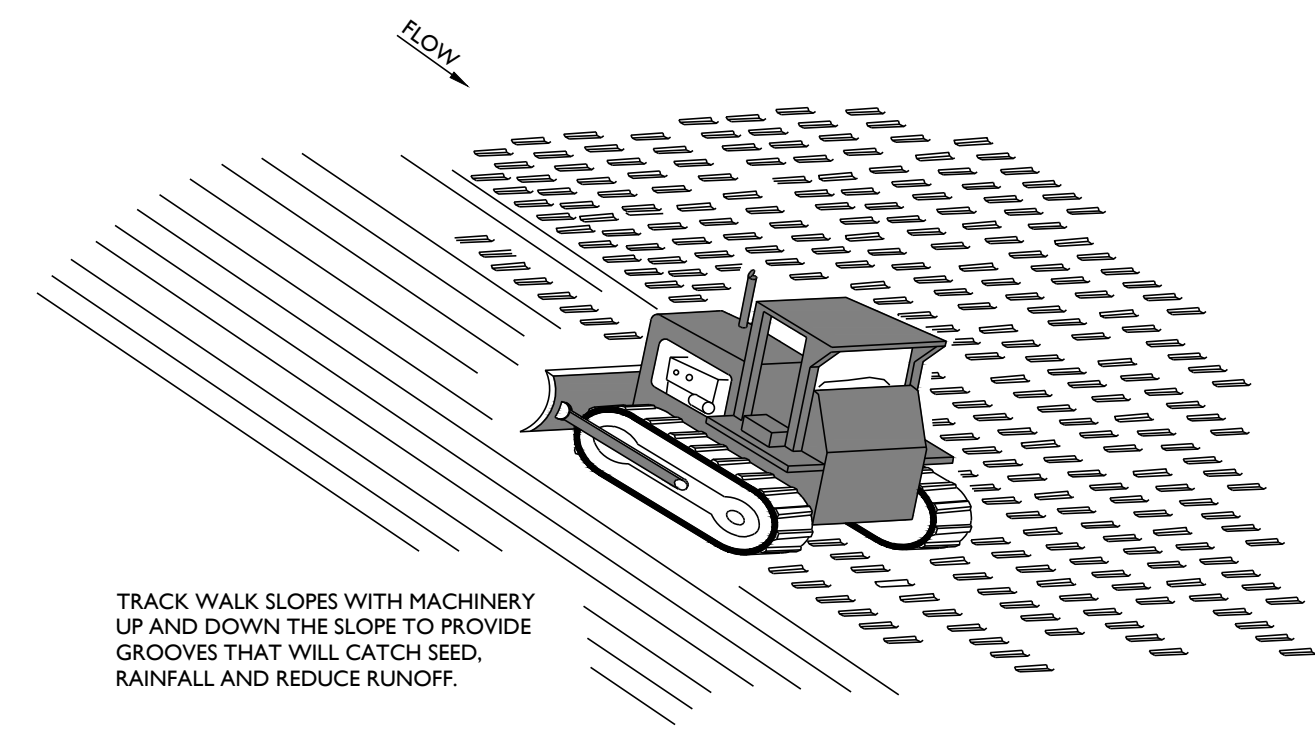
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SHEET NUMBER:

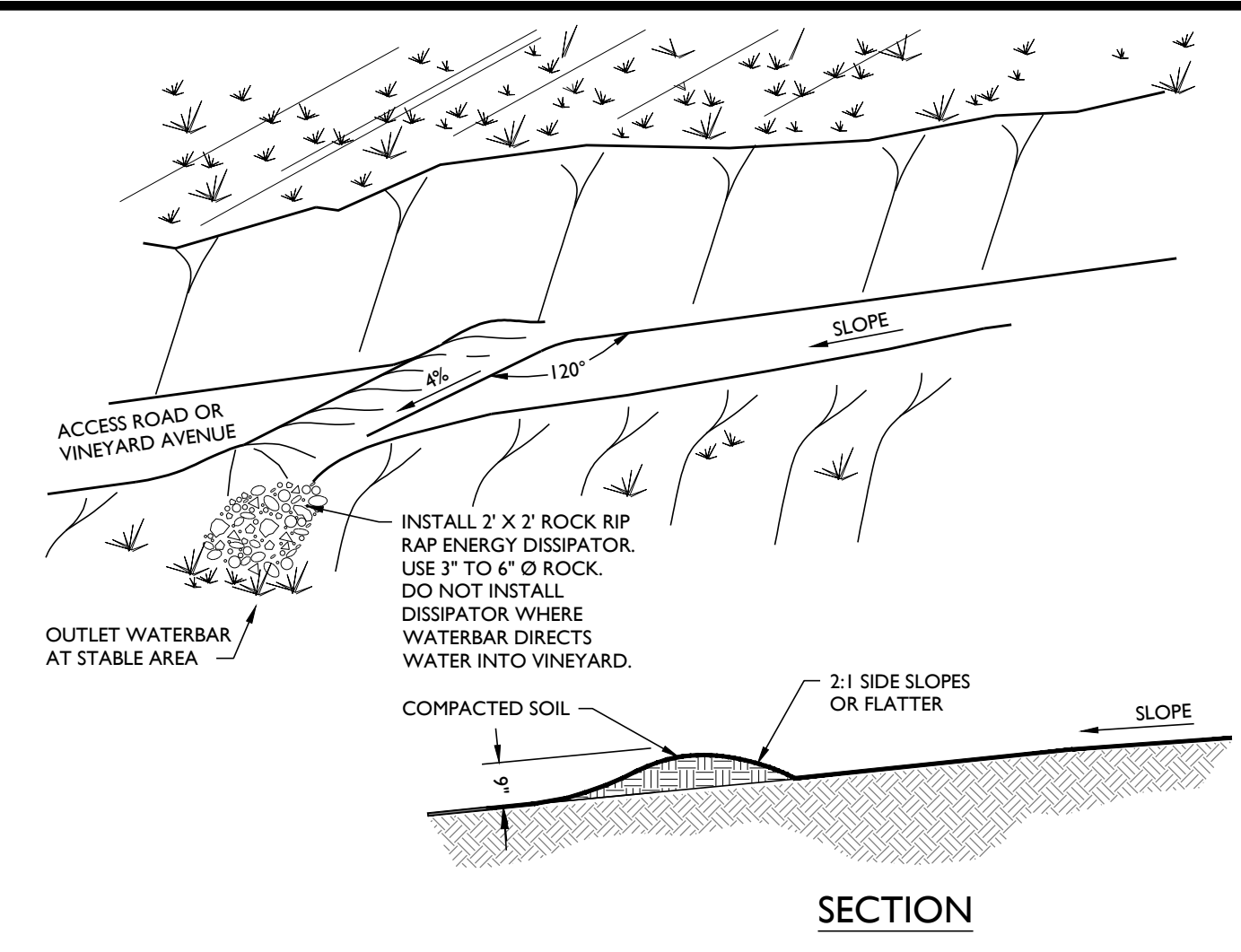
C8

OF

8



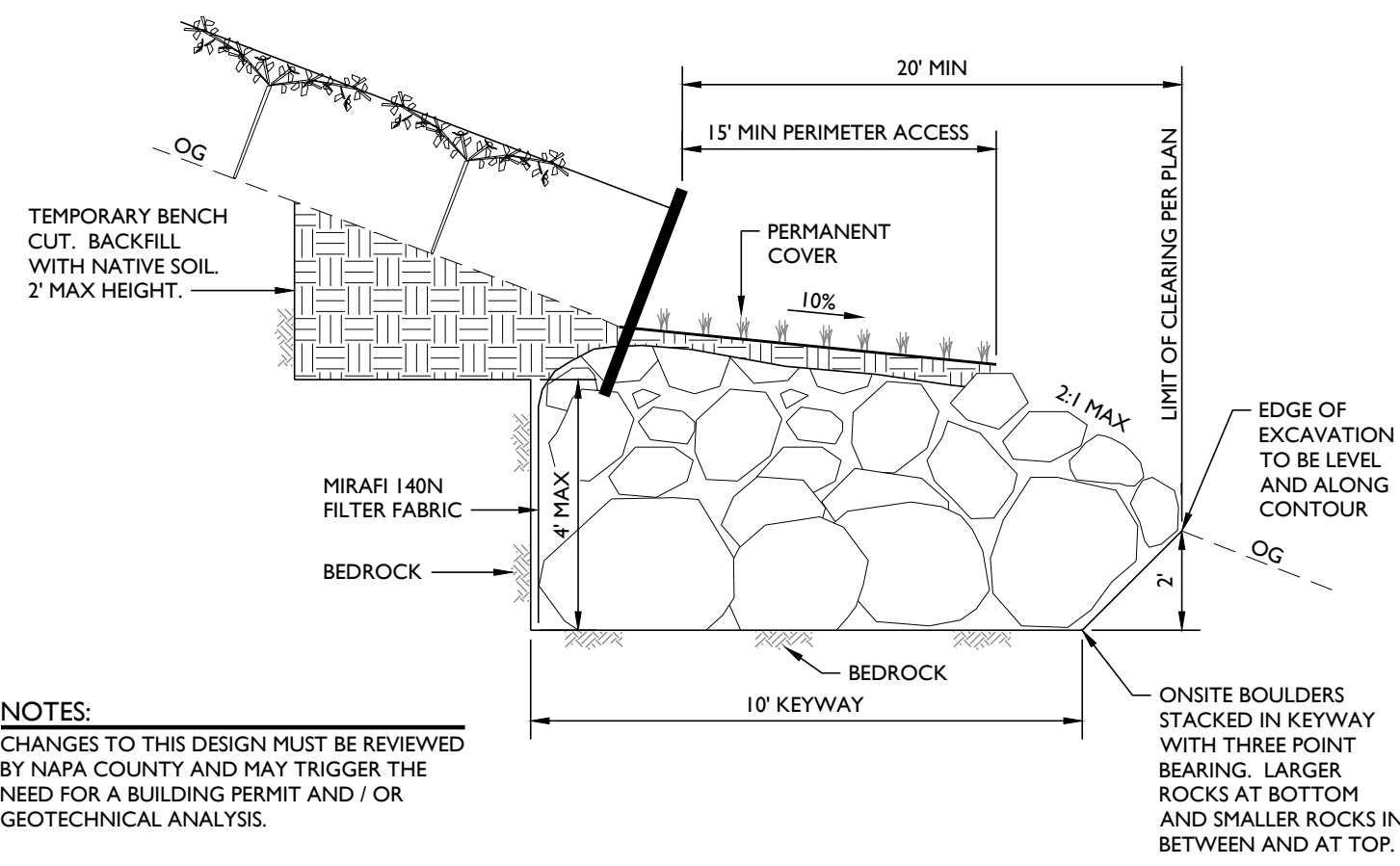
SURFACE ROUGHENING DETAIL



MAXIMUM DISTANCE BETWEEN WATERBARS

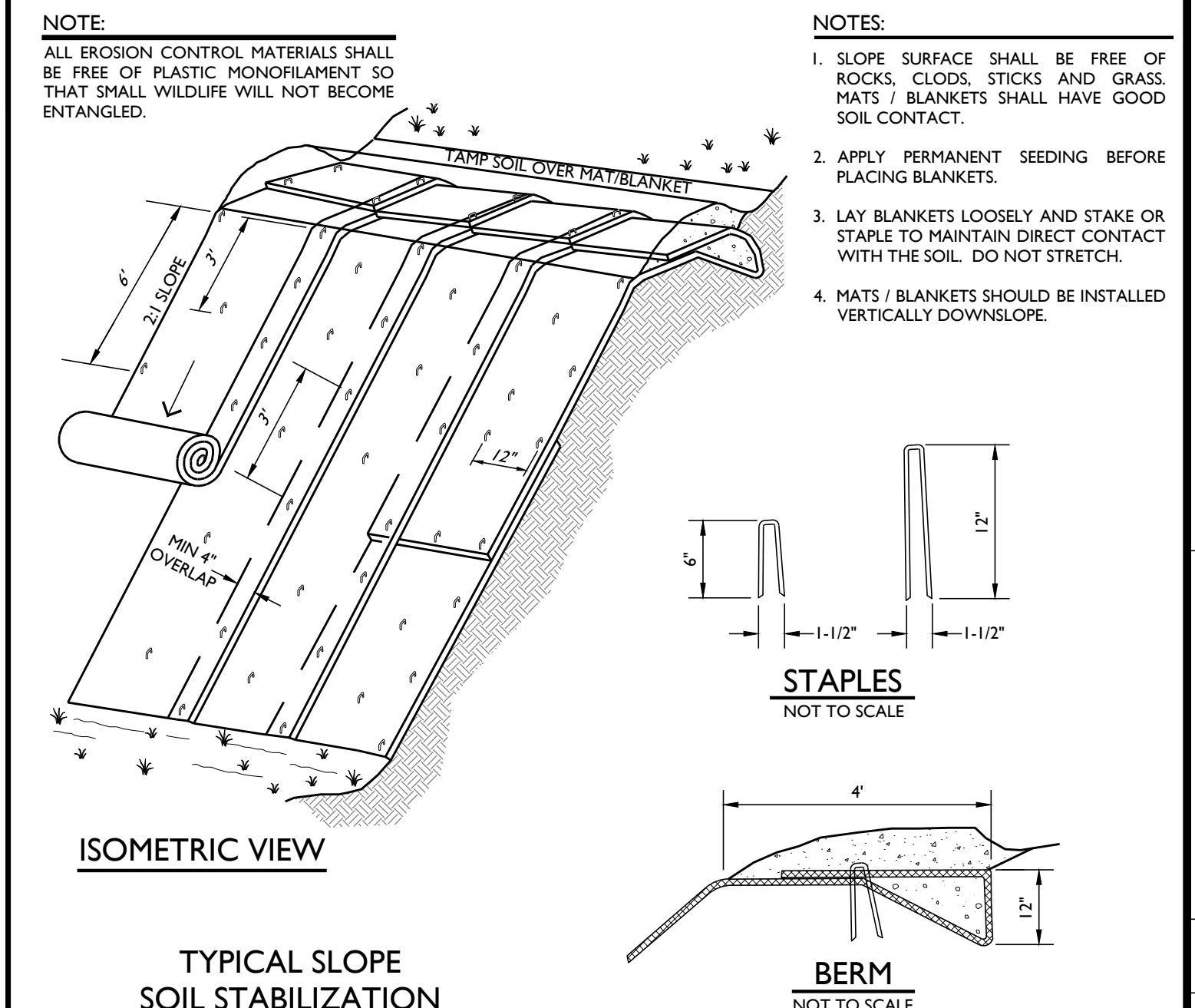
EROSION HAZARD	SLOPE ALONG ROAD			
	<10%	11% - 25%	26% - 50%	>50%
EXTREME	100'	75'	50'	50'
HIGH	150'	100'	75'	50'
MODERATE	200'	150'	100'	75'
LOW	300'	200'	150'	100'

WATERBAR DETAIL

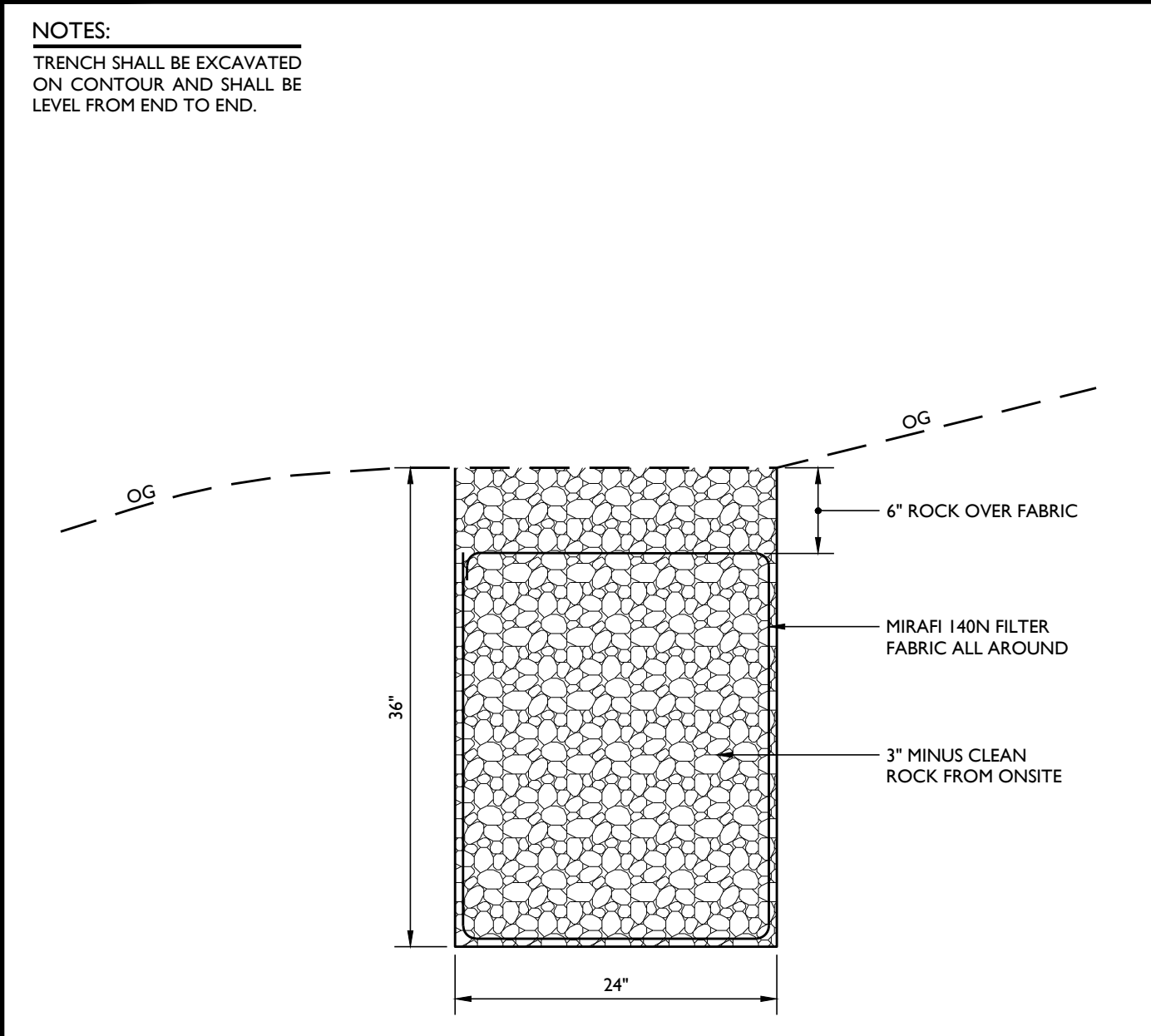


NOTES:
CHANGES TO THIS DESIGN MUST BE REVIEWED BY NAPA COUNTY AND MAY TRIGGER THE NEED FOR A BUILDING PERMIT AND / OR GEOTECHNICAL ANALYSIS.

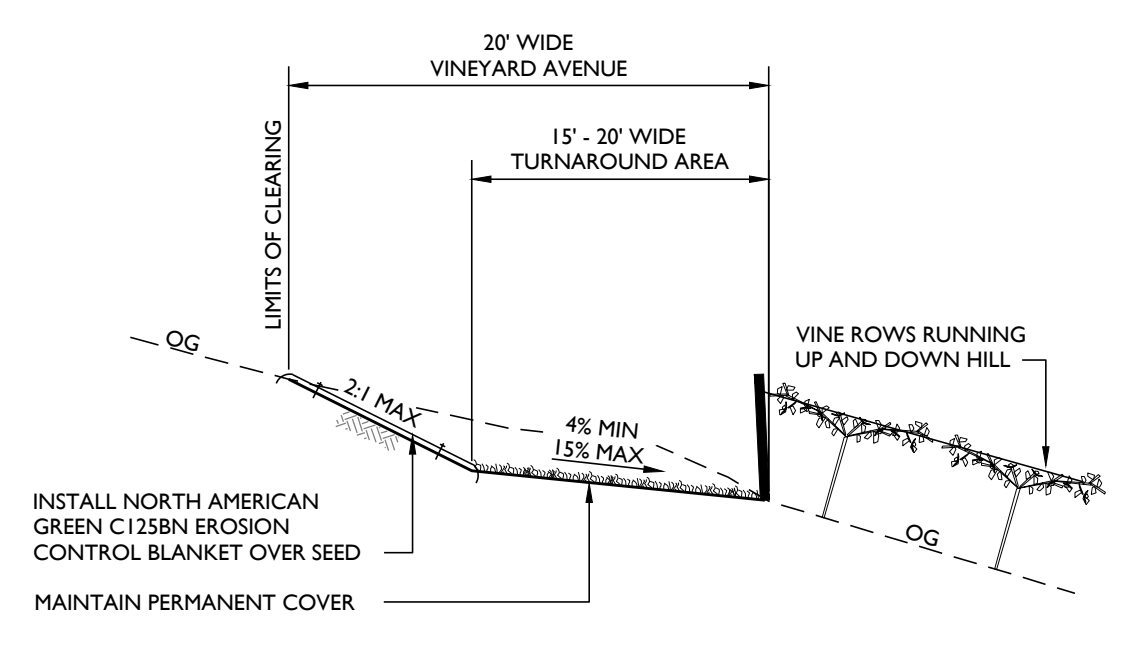
ROCK FILLED VINEYARD AVENUE DETAIL DETAIL



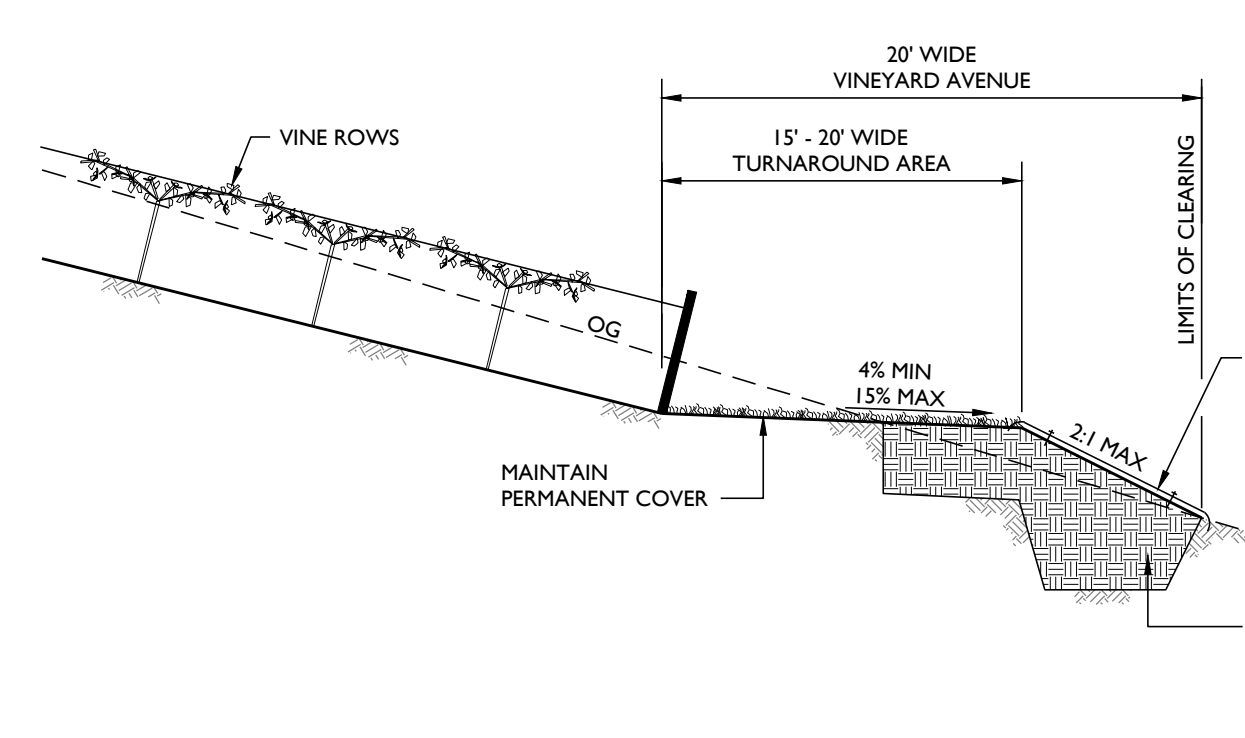
EROSION CONTROL BLANKET DETAIL



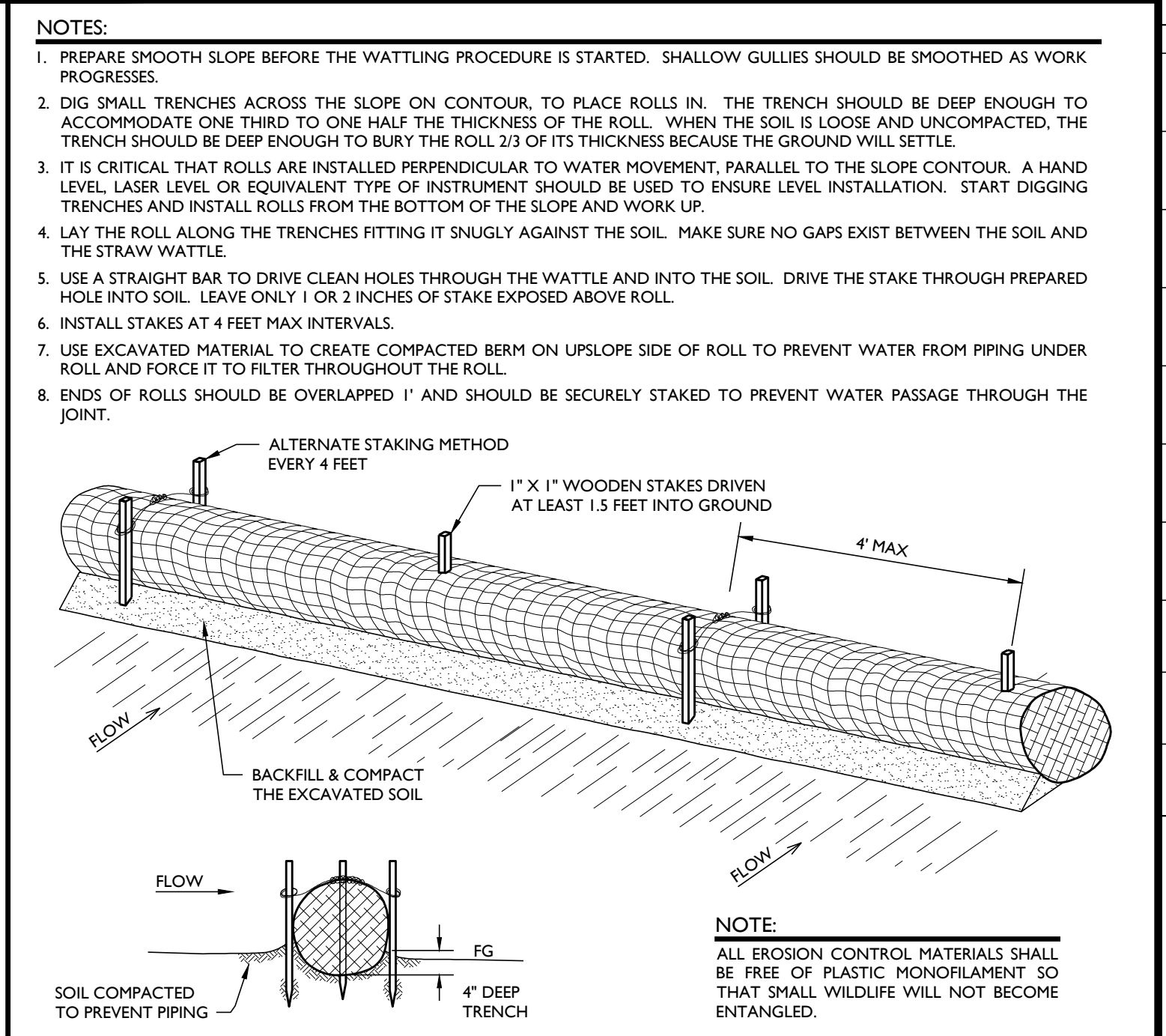
ROCK FILLED RETENTION TRENCH DETAIL



OUTSLOPED VINEYARD AVENUE AT TOP OF BLOCK DETAIL



OUTSLOPED VINEYARD AVENUE AT BOTTOM OF BLOCK DETAIL



FIBER ROLL / WATTLE SEDIMENT BARRIER DETAIL