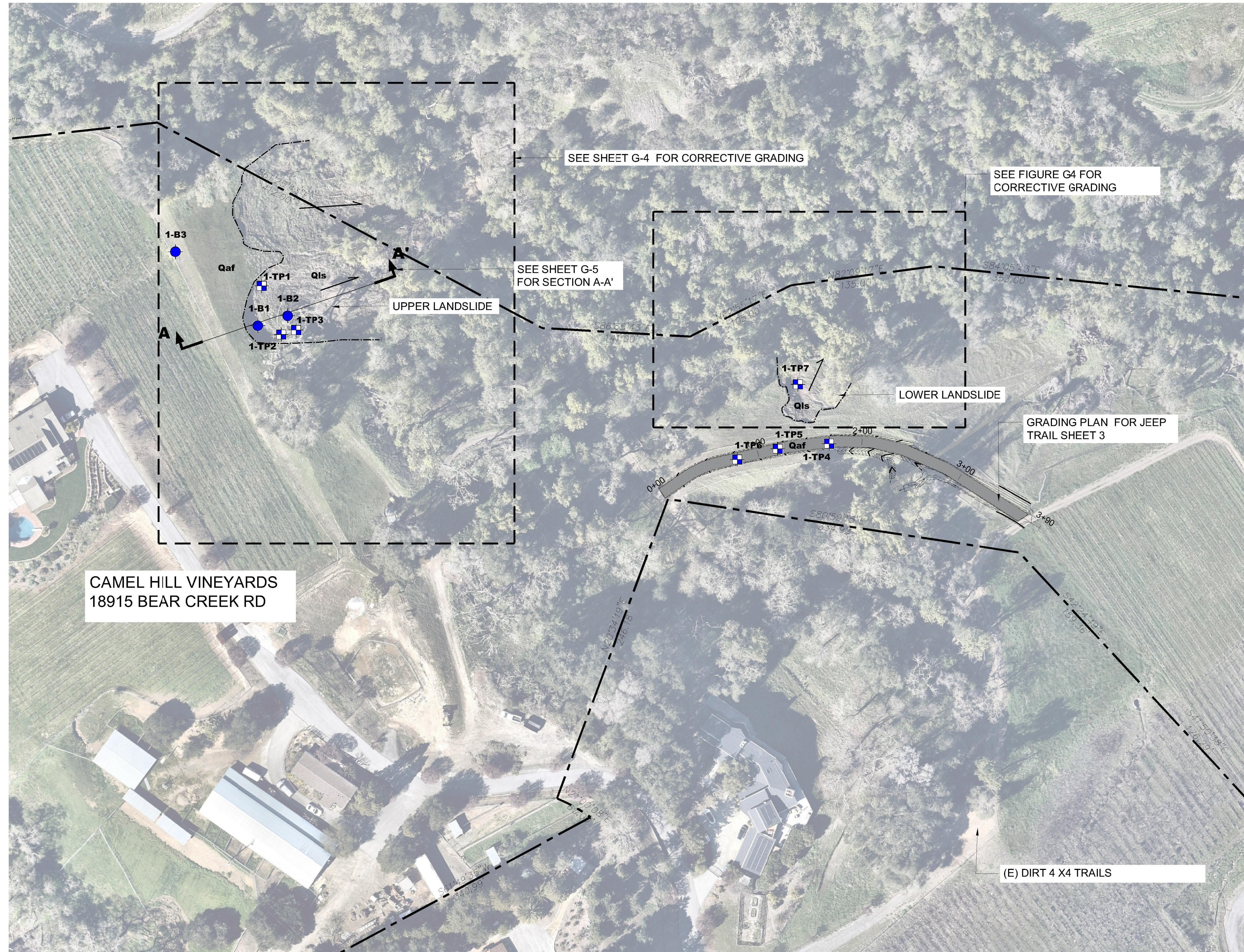


GRADING PLANS FOR CAMEL HILL VINEYARDS LOS GATOS, CALIFORNIA



VICINITY MAP

1"=1000'

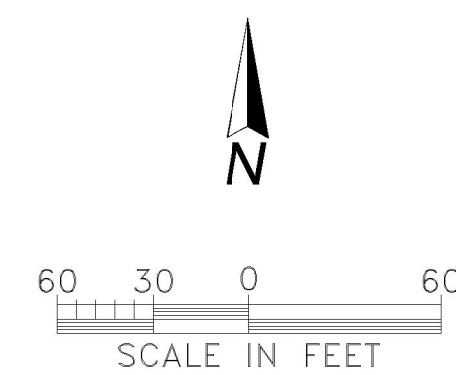


SHEET INDEX

SHEET NUMBER	TITLE
G-1	TITLE SHEET AND SITE PLAN
G-2	GENERAL NOTES AND ABBREVIATIONS
G-3	JEEP TRAIL GRADING AND DRAINAGE PLAN
G-4	UPPER & LOWER LANDSLIDE CORRECTIVE GRADING PLAN
G-5	SECTION AND DETAILS
G-6	EROSION AND SEDIMENT CONTROL PLAN

SITE PLAN AND KEY MAP

SCALE 1"=60'



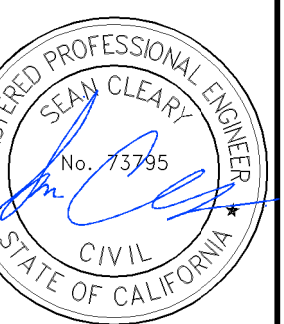
EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

—	GEOLOGIC CONTACT LINE	1-B1	BORING (ENGE0, 2023)	Qaf	ARTIFICIAL FILL
- - -	RECENT LANDSLIDE LIMIT	1-TP1	TEST PIT (ENGE0, 2023)	Qc	COLLUVIUM
- - -	PROPERTY LINE	A-A'	CROSS SECTION LINE	Qls	LANDSLIDE
				KJfs	FRANCISCAN FORMATION SANDSTONE

1. OWNER/DEVELOPER	CAMEL HILL VINEYARDS 18915 BEAR CREEK ROAD LAS GATOS, CALIFORNIA
2. GEOTECHNICAL/CIVIL ENGINEER	ENGE0 INCORPORATED 2010 CROW CANYON PLACE SUITE 250 SAN RAMON, CA 94583 (925) 866-9000

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SHEET NUMBER
G-1
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PROJECT NO.
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ABBREVIATIONS

AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE	NTS	NOT TO SCALE
CL	CENTER LINE	OC	ON CENTER
CLR	CLEARANCE	OD	OUTSIDE DIAMETER
CMP	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT
DIA	DIAMETER	CONC	CONCRETE
DET	DETAIL	PED	PEDESTRIAN
DI	DROP INLET	PGE	PACIFIC GAS & ELECTRIC CO.
DWG	DRAWING	P/L	PROPERTY LINE
E	ELECTRIC	PVMT	PAVEMENT
EL	ELEVATION	R	RADIUS
EP	EDGE OF PAVEMENT	R.C.	RELATIVE COMPACTION
EX	EXISTING	RCP	REINFORCED CONCRETE
FC	FACE OF CURB		PIPE
FL	FLOW LINE	RT	RIGHT
G	GAS LINE	R/W	RIGHT-OF-WAY
GA	GAUGE	S	SLOPE
GALV	GALVANIZED	SD	STORM DRAIN
HDPE	HIGH DENSITY POLYETHYLENE PIPE	SS	SANITARY SEWER
ID	INSIDE DIAMETER	STA	STATION
INV	INVERT GRADE ELEVATION	STD	STANDARD
MAX	MAXIMUM		
MH	MANHOLE		

EXPLANATION

	MANHOLE
	WATER VALVE
	STREET SIGN
	HYDRANT
	BACK FLOW PREVENTOR
	FOUND MONUMENT
	UTILITY BOX
	EXISTING TREE
	PROPOSED TOPOGRAPHY MAJOR CONTOUR
	PROPOSED TOPOGRAPHY MINOR CONTOUR
	EXISTING TOPOGRAPHY MAJOR CONTOUR
	EXISTING TOPOGRAPHY MINOR CONTOUR
	NEW SWALE FLOWLINE

EARTHWORK SUMMARY

	CUT	FILL	NET	MAX DEPTH OF CUT	MAX HIEGHT OF FILL
JEEP TRAIL	74 CY	74 CY	BALANCED	1 FT	10 FT
UPPER LANDSLIDE	13,700 CY	13,700 CY	BALANCED	30 FT	30 FT
LOWER LANDSLIDE	5,200 CY	5,200 CY	BALANCED	8 FT	8 FT

GENERAL NOTES:

- ALL WORK IS TO BE DONE UNDER THE OVERSIGHT OF THE ENGINEER.
- THE ENGINEER ASSUMES NO RESPONSIBILITY BEYOND THE ADEQUACY OF THE DESIGN HEREIN.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF PROPER SHORING OF EXCAVATIONS IN ACCORDANCE WITH THE LATEST OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES DURING CONSTRUCTION. PROPER REPAIR SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY.
- ALL PIPELINES AND OTHER UNDERGROUND UTILITIES MAY NOT BE SHOWN, AND WHERE SHOWN, ARE APPROXIMATELY LOCATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD. CALL "UNDERGROUND SERVICE ALERT" AT 800-227-2600 AT LEAST 48 HOURS BEFORE EXCAVATION OR DEMOLITION FOR IMPROVEMENTS. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATIONS, ELEVATIONS, ETC. OF EXISTING FACILITIES AND TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY FIELD CONFLICTS OR OMISSIONS.
- DUST CONTROL DURING ALL PHASES OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY DAMAGE TO THE EXISTING FACILITIES SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
- GRADING ACTIVITIES SHOWN ON THESE PLANS WILL BE PROPERLY IN PLACE PRIOR TO THE RAINY SEASON (OCTOBER 31). ALL GRADED SLOPES AND SWALE FLOW LINES SHALL BE BROADCAST SEEDED AND COVERED WITH EROSION CONTROL FABRIC (ECF) BEFORE PROJECT COMPLETION.
- NO DEBRIS, RUBBISH, CREOSOTE-TREATED WOOD, SOIL, SILT, SAND, CEMENT, CONCRETE, OR WASHINGS THEREOF, OR OTHER CONSTRUCTION RELATED MATERIALS OR WASTES, OIL OR PETROLEUM PRODUCTS OR OTHER ORGANIC OR EARTHEN MATERIAL SHALL NOT BE ALLOWED TO ENTER INTO, OR BE PLACED WHERE IT MAY BE WASHED BY RAINFALL OR RUNOFF INTO WATERS OF THE US.
- NO EQUIPMENT SHALL BE OPERATED IN AREAS OF FLOWING OR STANDING WATER; FUELING, CLEANING, OR MAINTENANCE OF VEHICLES OR EQUIPMENT SHALL BE PERFORMED OUTSIDE OF AREAS OF FLOWING OR STANDING WATER.
- THE CONTRACTOR SHALL MONITOR AND MAINTAIN RECORDS OF THE NATIONAL WEATHER SERVICE 72-HOUR FORECAST ON A DAILY BASIS AND BE PREPARED TO IMPLEMENT EMERGENCY EROSION CONTROL MEASURES IN THE EVENT OF RAIN OR IF THE PREDICTION FOR RAIN EXCEEDS 20 PERCENT. ALL CONSTRUCTION ACTIVITIES SHALL CEASE AND ALL REASONABLE EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO THE ONSET OF PRECIPITATION.
- SLOPES OF ALL EMBANKMENT FILL/CUT SHALL BE 2:1 MAX, (HORIZONTAL: VERTICAL) UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER.
- FOR EMBANKMENT CONSTRUCTION WHERE APPLICABLE; EROSION CONTROL SHALL BE PERFORMED ON ALL DISTURBED AREAS.
- ALL ELEVATIONS SHOWN ARE FINISHED ELEVATIONS UNLESS STATED OTHERWISE.
- THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS FOR ANY PRIVATE PROPERTY ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.

GRADING AND ROCKWORK NOTES:

- THE TOLERANCE SHALL BE 0.1 FEET FOR GRADING. COMPACTION OF FILL AND BACKFILL SHALL BE MINIMUM 90% OF THE MAXIMUM DRY DENSITY (ASTM D-1557). CONTRACTOR SHALL UTILIZE METHODS THAT AVOID OVER COMPACTION OF SOILS.
- SUBGRADE PREPARATION SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF SUBSEQUENT MATERIALS.
- A PRE-GRADING MEETING SHALL BE HELD AT THE SITE AT LEAST TWO (2) WORKING DAYS PRIOR TO THE STARTING OF EARTHWORK AND INCLUDE: THE OWNER, THE CONTRACTOR, THE CIVIL AND GEOTECHNICAL ENGINEERS.
- PROTECTIVE FENCING AND/OR BARRIERS WILL BE PLACED AROUND VEGETATION AND TREES NOT INVOLVED IN GRADING AND EARTHWORK OPERATIONS.
- ROCK MATERIALS: ALL ROCK USED SHALL BE QUARRY ROCK, ANGULAR, CLOSE GRAINED, AND HARD. ROCK SHALL BE FREE OF SEAMS OR THIN LAYERS OF SOFT OR DECOMPOSED MATERIAL TO THE END THAT IT WILL NOT SHATTER, DISINTEGRATE, BREAK DOWN, OR OPEN UP ON DUMPING OR EXPOSURE TO WEATHER OR WATER ACTION. ROCKS SHALL BE PLACED WITH THEIR LONGITUDINAL AXIS NORMAL TO THE EMBANKMENT FACE AND ARRANGED SO THAT EACH ROCK ABOVE THE FOUNDATION COURSE HAS A 3-POINT BEARING ON THE UNDERLYING ROCKS. PLACING OF ROCKS BY DUMPING WILL NOT BE PERMITTED. LOCAL SURFACE IRREGULARITIES OF THE SLOPE PROTECTION SHALL NOT VARY FROM THE PLANNED SLOPE BY MORE THAN ONE FOOT MEASURED AT RIGHT ANGLES TO THE SLOPE.

2010 CROW CANYON PLACE
SUITE 250
SAN RAMON, CALIFORNIA 94583-4634
(925) 666-9000
(888) 279-2686
CALIFORNIA - NEVADA - NEW ZEALAND - AUSTRALIA



NOTES
CAMEL HILL VINEYARDS
GRADING PLANS
LOS GATOS, CALIFORNIA



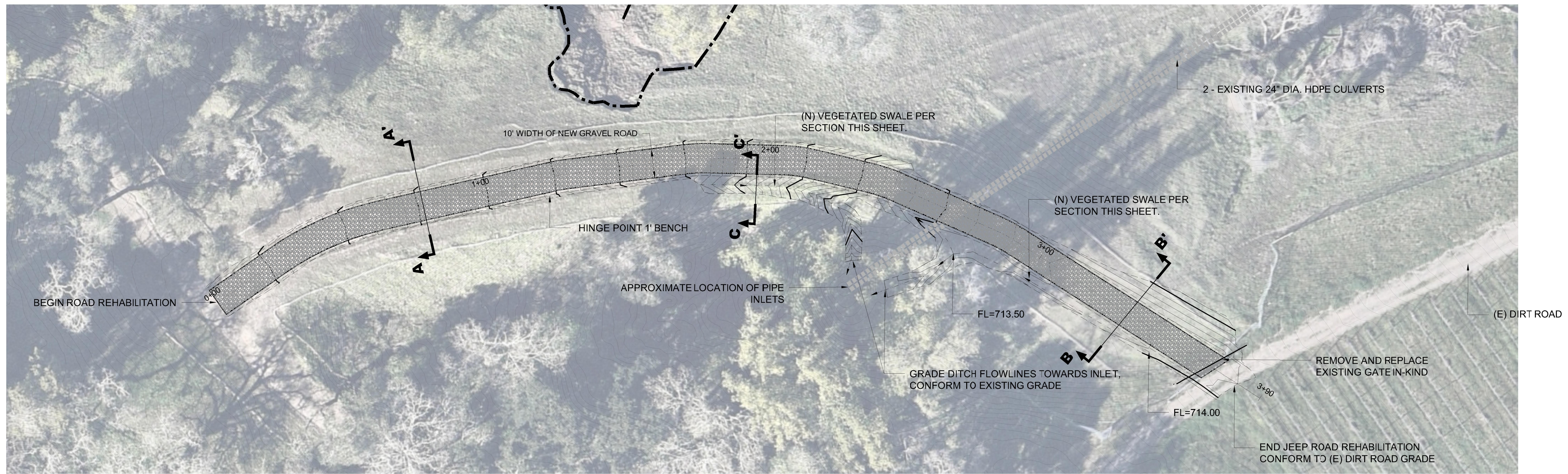
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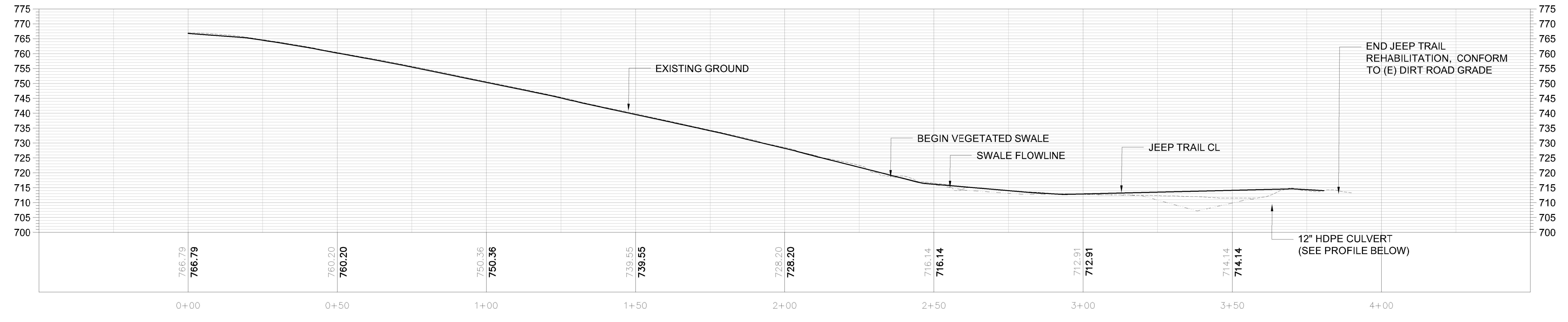
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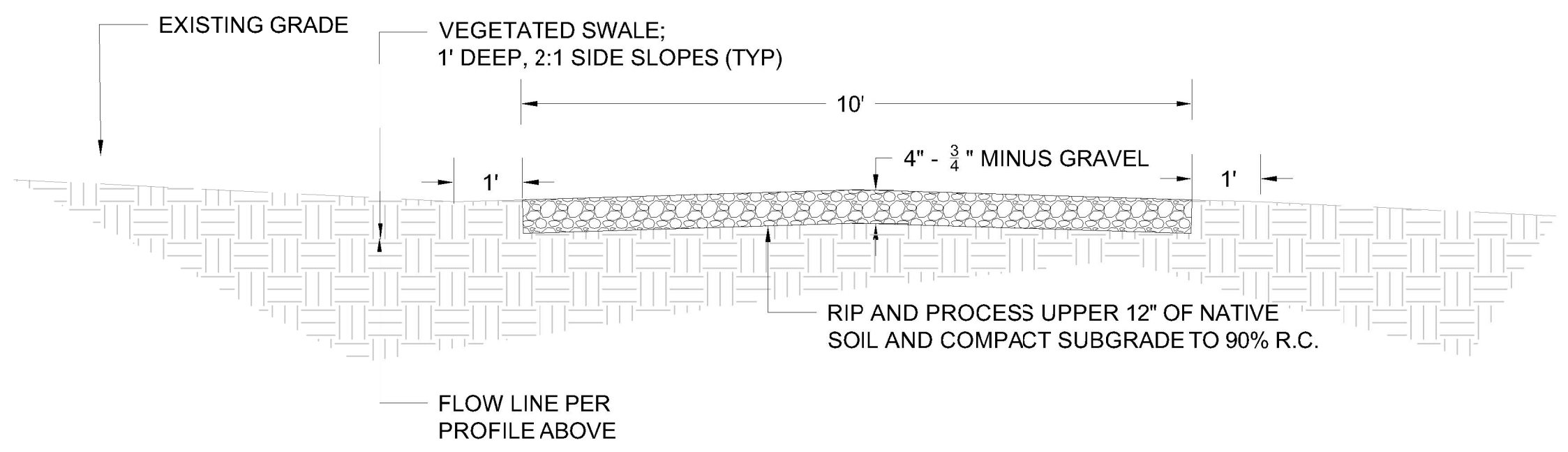
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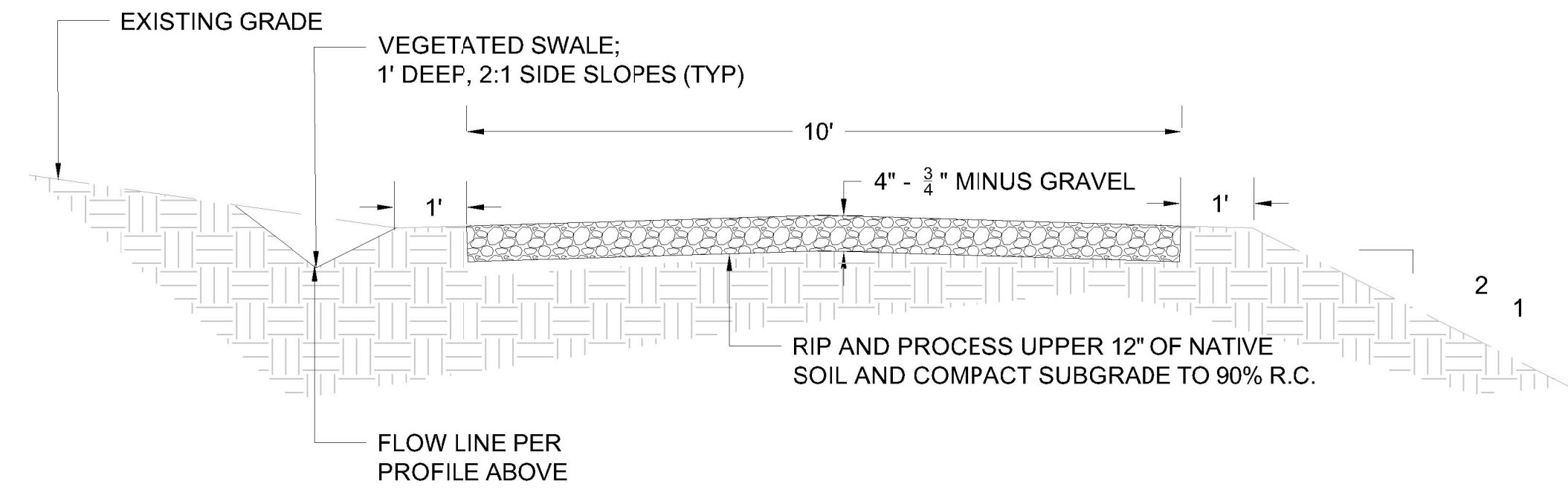
JEEP TRAIL PLAN VIEW
SCALE 1"=20'



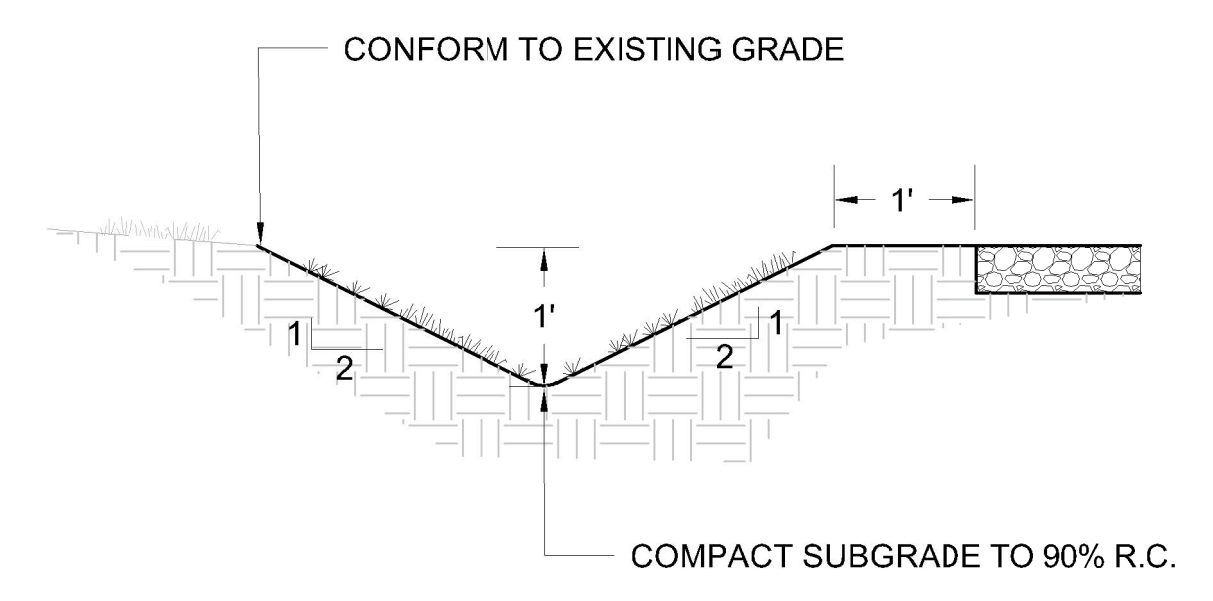
JEEP TRAIL PROFILE
SCALE 1"=20'



TYPICAL ROAD SECTION A - A'
SCALE 1"=20'



TYPICAL ROAD SECTION B - B'
SCALE 1"=20'



TYPICAL SWALE SECTION C - C'
SCALE 1"=20'



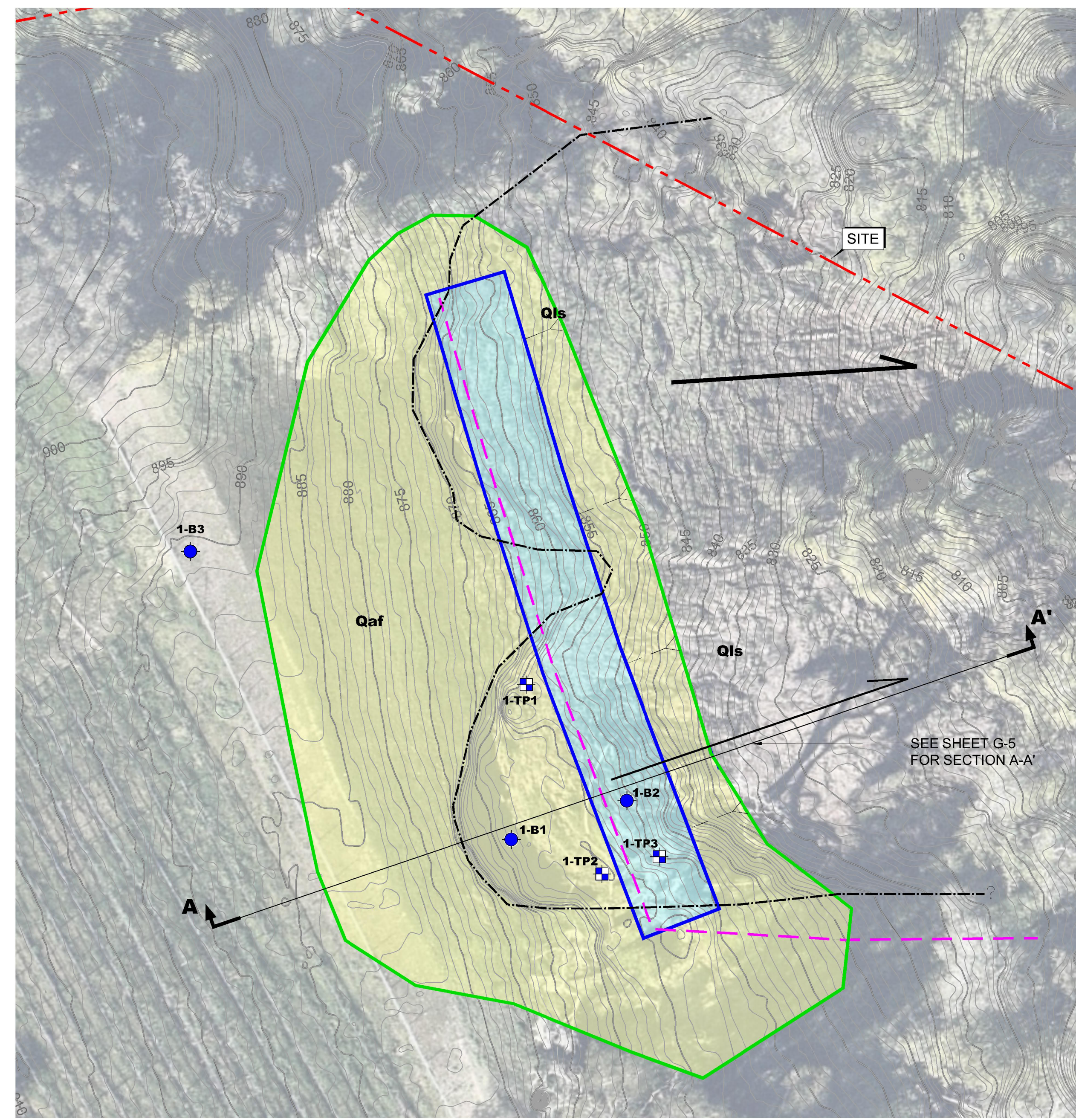
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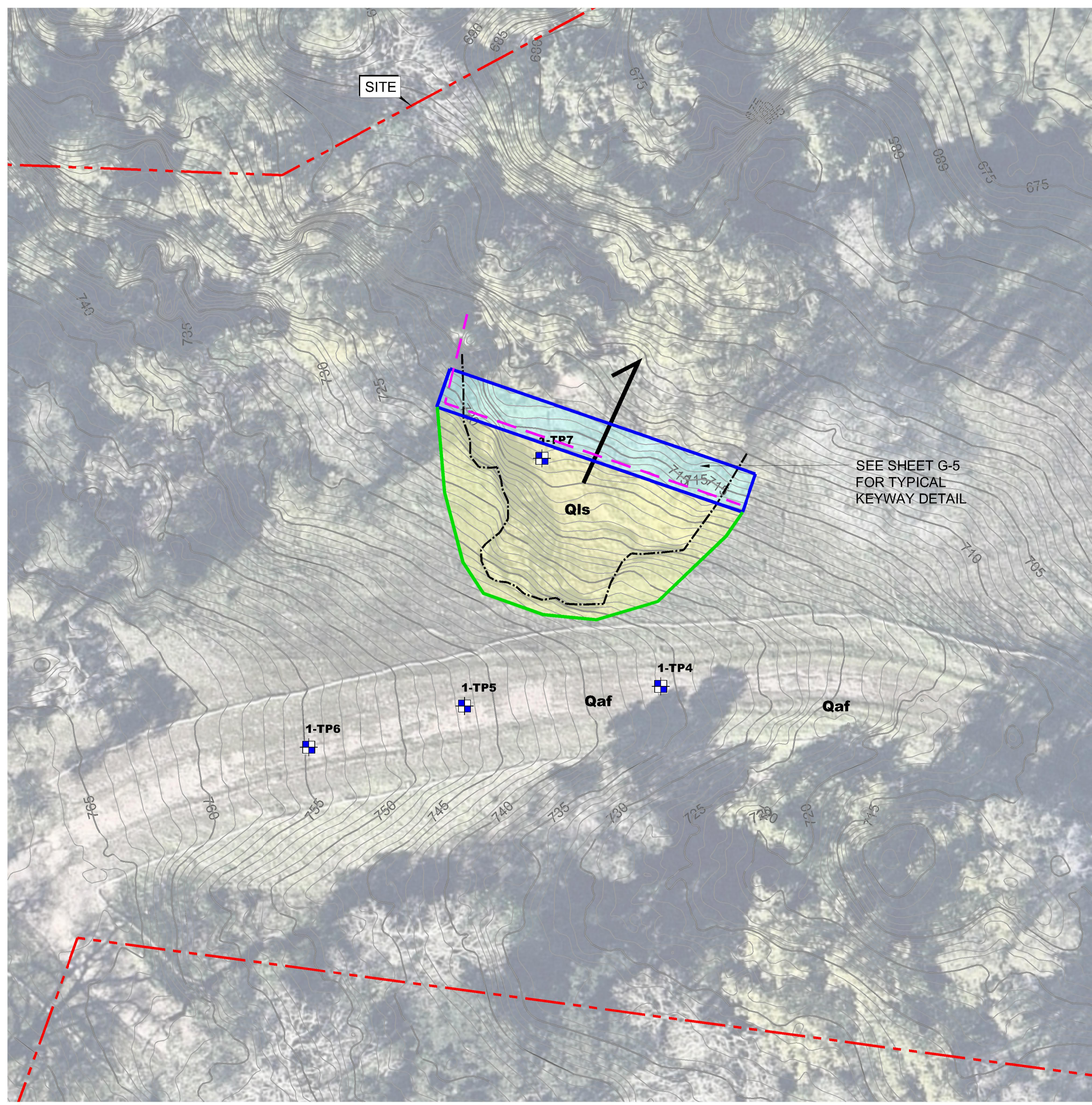
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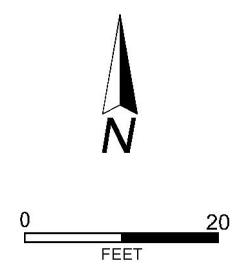
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UPPER LANDSLIDE



LOWER LANDSLIDE



- EXPLANATION**
ALL LOCATIONS ARE APPROXIMATE
- GEOLOGIC CONTACT LINE
 - RECENT LANDSLIDE LIMIT
 - 1-B1** BORING (ENGEO, 2023)
 - 1-TP1** TEST PIT (ENGEO, 2023)
 - CROSS SECTION LINE
 - PROPOSED KEYWAY
 - CORRECTIVE GRADING SLOPE REBUILD LIMIT
 - PROPOSED KEYWAY SUBDRAIN
 - Qaf** ARTIFICIAL FILL
 - Qc** COLLUVIUM
 - Qls** LANDSLIDE
 - KJfs** FRANCISCAN FORMATION SANDSTONE



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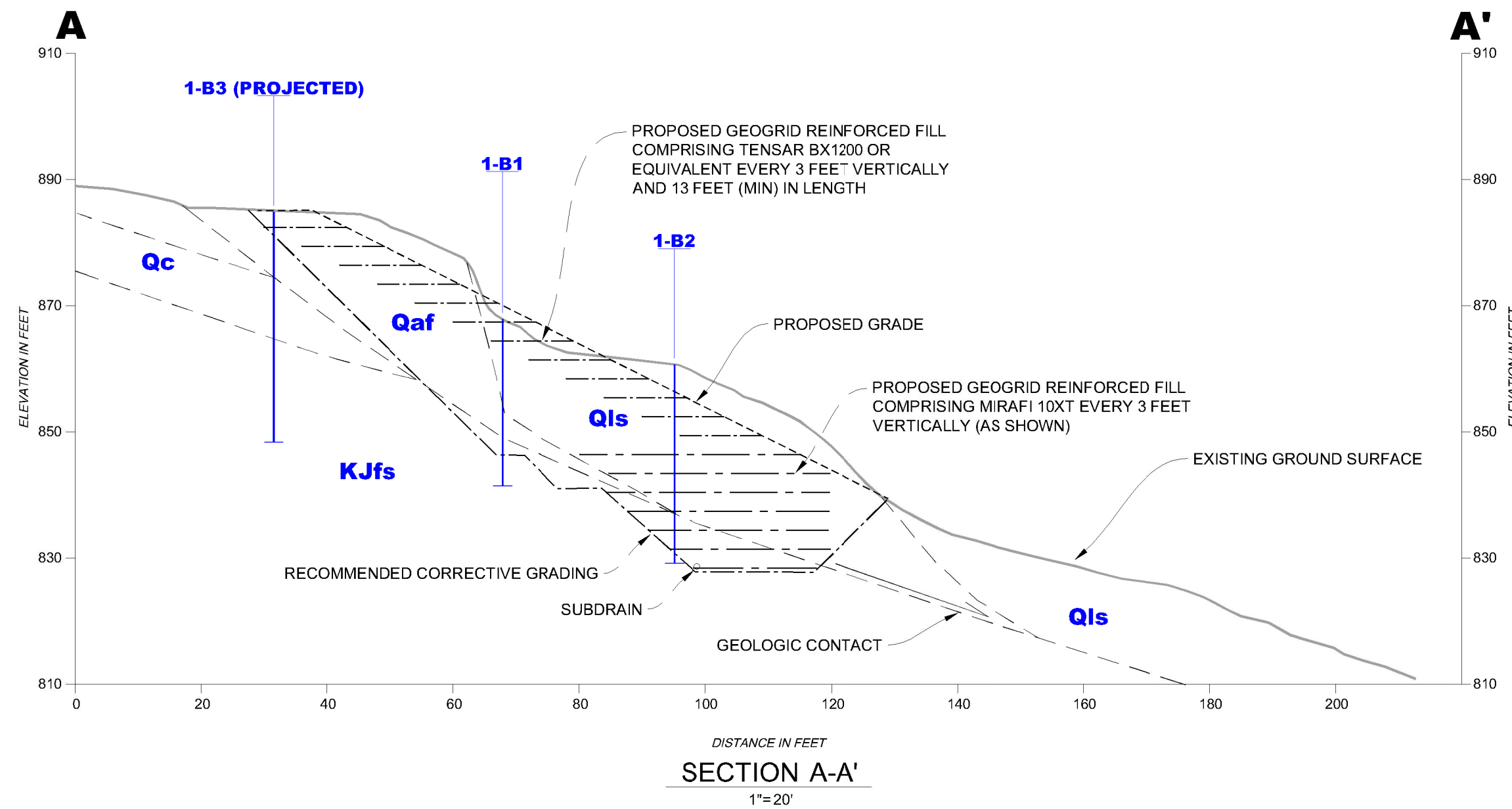
CORRECTIVE GRADING PLAN
CAMEL HILL VINEYARDS
GRADING PLANS
LOS GATOS, CALIFORNIA



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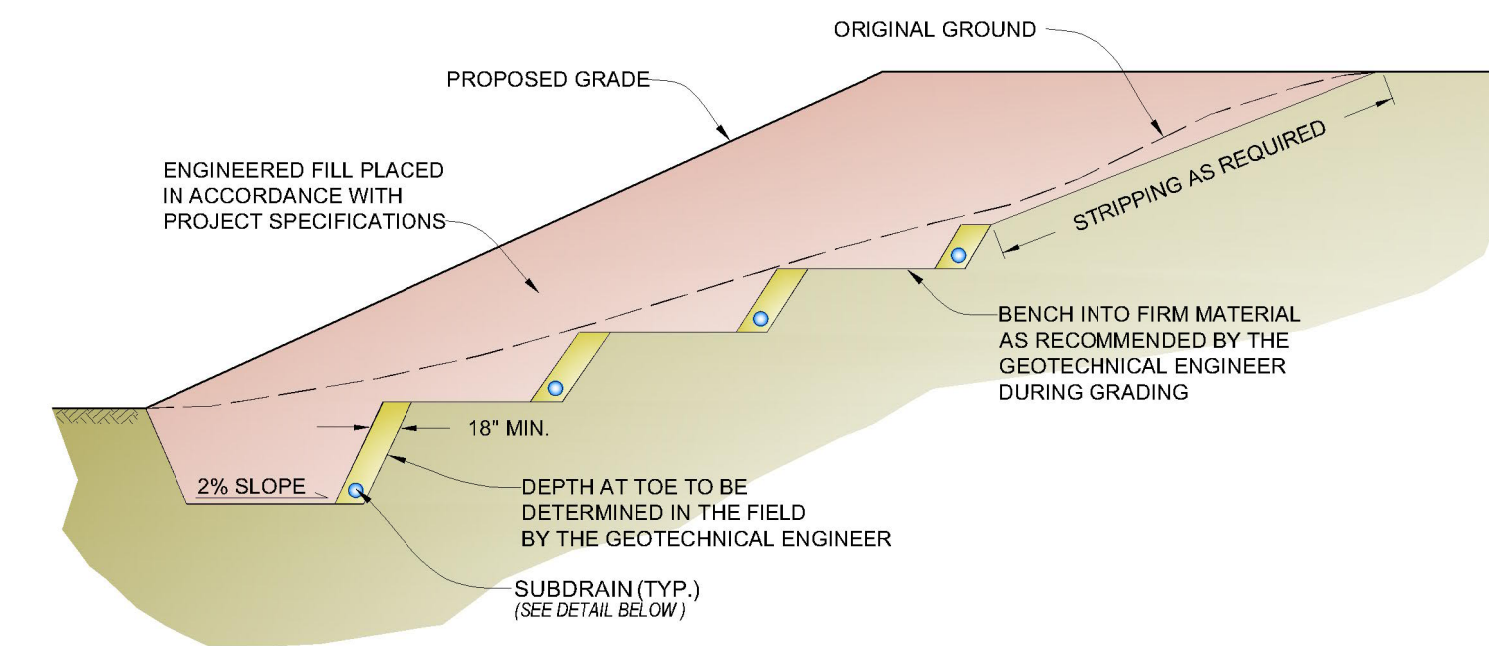


EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

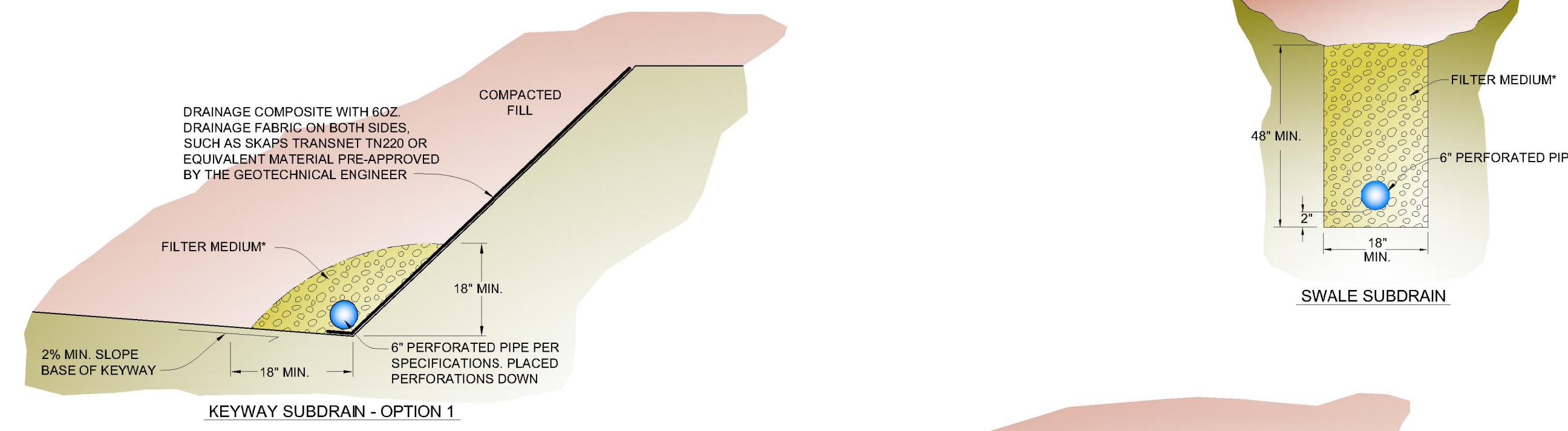
Qaf ARTIFICIAL FILL
Qc COLLUVIUM
QIs LANDSLIDE
KJfs FRANCISCAN FORMATION SANDSTONE
1-B3 BORING (ENGE0, 2023)

DISCLAIMER: CROSS SECTION IS FOR ILLUSTRATION PURPOSES ONLY; THE TRANSITION BETWEEN MATERIALS MAY BE ABRUPT OR GRADUAL. VARIATIONS SHOULD BE EXPECTED.

CORRECTIVE CROSS SECTION A - A'
SCALE 1"=20'



TYPICAL KEYWAY DETAIL
SCALE 1"=20'



*FILTER MEDIUM

ALTERNATIVE A

CLASS 2 PERMEABLE MATERIAL

MATERIAL SHALL CONSIST OF CLEAN, COARSE SAND AND GRAVEL OR CRUSHED STONE, CONFORMING TO THE FOLLOWING GRADING REQUIREMENTS:

SIEVE SIZE	% PASSING SIEVE
1"	100
3/4"	90-100
3/8"	40-100
#4	25-40
#8	18-33
#30	5-15
#50	0-7
#200	0-3

ALTERNATIVE B

CLEAN CRUSHED ROCK OR GRAVEL WRAPPED IN FILTER FABRIC

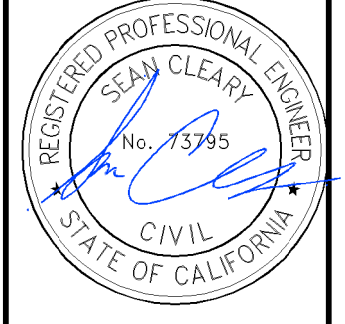
ALL FILTER FABRIC SHALL MEET THE FOLLOWING MINIMUM AVERAGE ROLL VALUES UNLESS OTHERWISE SPECIFIED BY ENGE0:

GRAB STRENGTH (ASTM D-4632)	180 lbs
MASS PER UNIT AREA (ASTM D-4751)	6 oz/yd ²
APPARENT OPENING SIZE (ASTM D-4751)	70-100 U.S. STD. SIEVE
FLOW RATE (ASTM D-4491)	80 gal/min/ft

NOTES:

- ALL PIPE JOINTS SHALL BE GLOUED
- ALL PERFORATED PIPE PLACED PERFORATIONS DOWN
- 1% FALL (MINIMUM) ON ALL TRENCHES AND DRAIN LINES

TYPICAL SUBRDRAIN DETAIL
SCALE 1"=20'



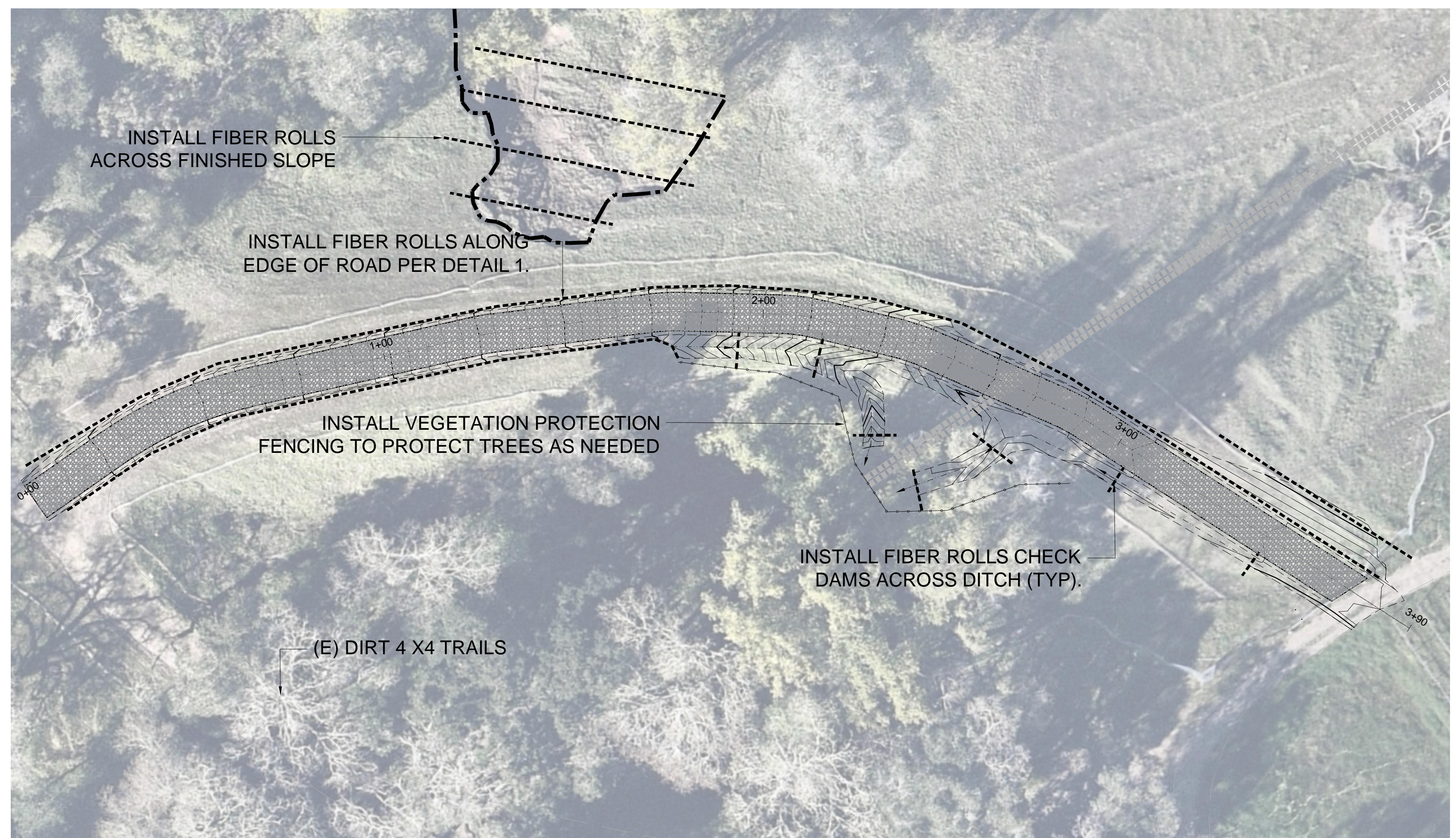
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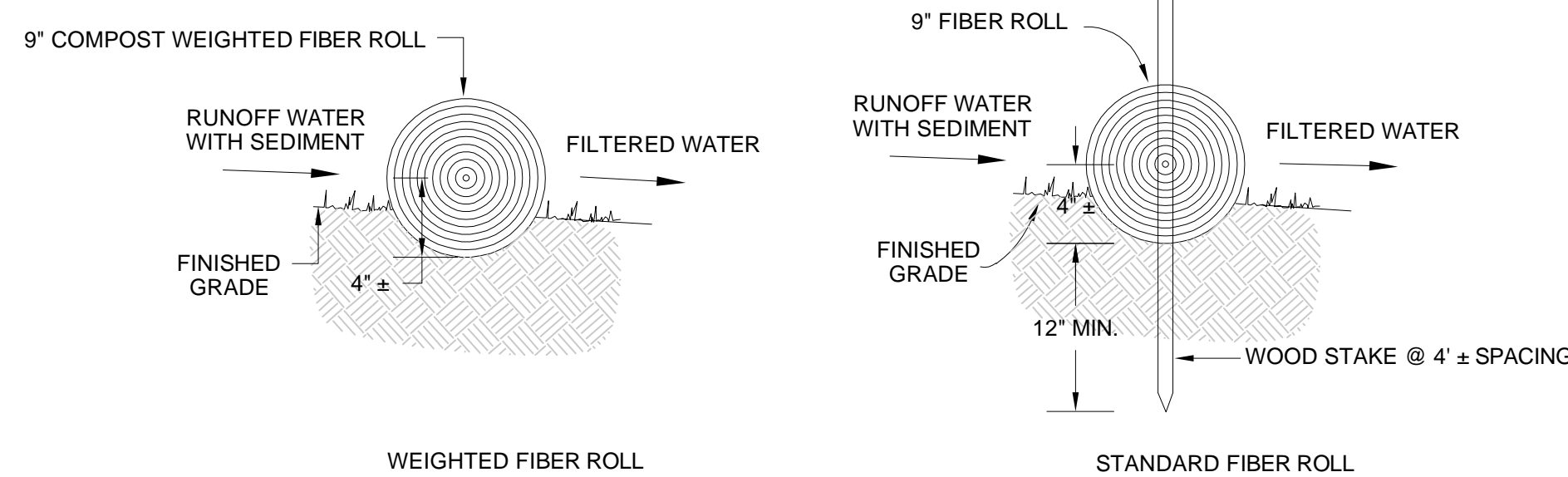
UPPER LANDSLIDE



LOWER LANDSLIDE AND GRAVEL ROAD

EROSION AND SEDIMENT CONTROL PLAN

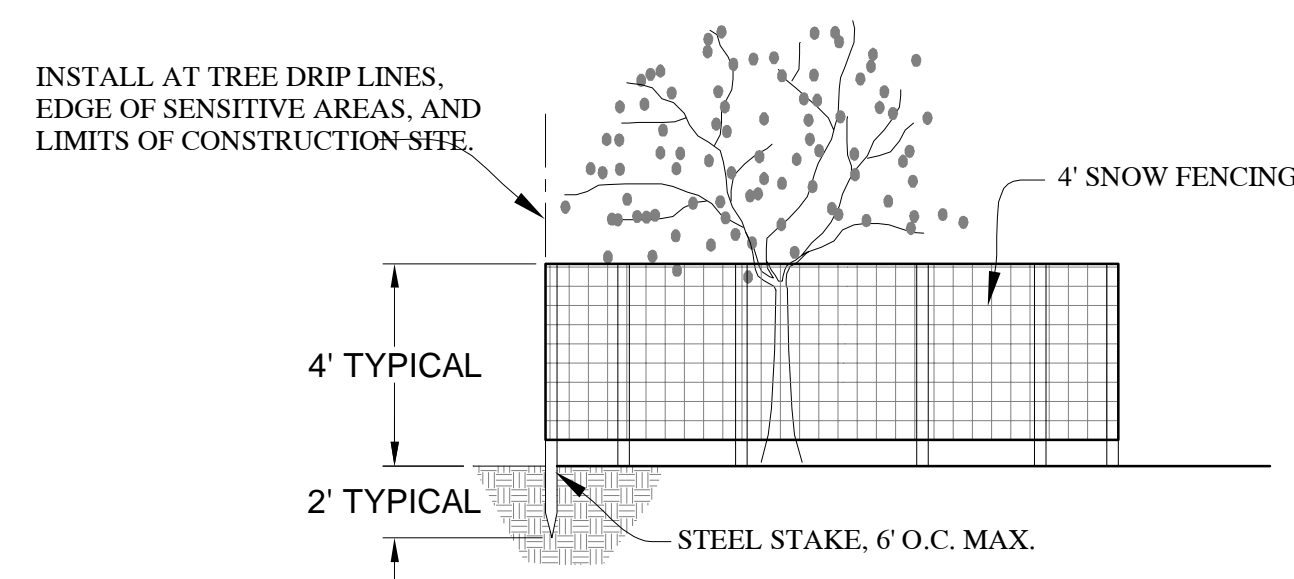
SCALE 1"=60'



NOTES:

- WEIGHTED FIBER ROLL SHALL BE MADE OF COMPOST OR OTHER WEIGHTED MATERIAL; OR IF STANDARD FIBER ROLL IS USED IT MUST BE ANCHORED IN PLACE WITH STAKES PER DETAIL ABOVE.
- ADJACENT FIBER ROLLS SHALL TIGHTLY ABUT AND OVERLAP A MINIMUM OF 3 FEET.
- RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.
- ROLLS SHALL BE PLACED AT 10'-20' VERTICAL SPACING ALONG FACE OF SLOPE.

1 FIBER ROLL DETAIL
NO SCALE



CONSTRUCTION FENCING NOTES

- PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITY IN THE AREA, INCLUDING GRADING, TEMPORARY PROTECTIVE FENCING SHALL BE INSTALLED AT LIMITS OF CONSTRUCTION AND AROUND ENVIRONMENTALLY SENSITIVE AREAS.
- THE CONSTRUCTION FENCE SHALL BE 4' SNOW FENCING WITH IMMOVABLE STEEL POSTS. THE FENCING SHALL FORM A CONTINUOUS BARRIER, EXCEPT FOR AT ACCESS POINTS.
- THIS FENCING SHALL SERVE AS A BARRIER TO PREVENT ENCRoACHMENT OF CONSTRUCTION ACTIVITIES AND EQUIPMENT ONTO THE PARK AND TO PREVENT PARK VISITORS FROM ENTERING CONSTRUCTION SITE.
- CONTRACTORS AND SUBCONTRACTORS SHALL DIRECT ALL EQUIPMENT AND PERSONNEL TO REMAIN INSIDE THE FENCED AREA AT ALL TIMES UNTIL PROJECT IS COMPLETE AND SHALL INSTRUCT EMPLOYEES AS TO THE PURPOSE AND IMPORTANCE OF FENCING.
- A WARNING SIGN SHALL BE POSED INDICATING THE PURPOSE OF THE FENCING.
- FENCING MUST REMAIN IN PLACE AND SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETED.

2 VEGETATION PROTECTION FENCING
NO SCALE

EROSION AND SEDIMENT CONTROL

ALL CONSTRUCTION SHALL CONFORM TO PART 1, SECTION C, "EROSION CONTROL REQUIREMENTS," OF THE COUNTY DESIGN CRITERIA. NO CLEARING, GRADING, OR EXCAVATION SHALL TAKE PLACE BETWEEN OCTOBER 15 AND APRIL 15 UNLESS THERE IS AN APPROVED WINTER EROSION CONTROL PLAN. ALL DISTURBED SOIL SHALL BE SEEDED, MULCHED, OR OTHERWISE PROTECTED BY OCTOBER 15

ALL DISTURBED AREAS SHALL BE REVEGETATED WITH THE FOLLOWING EROSION CONTROL SEED MIX (OR EQUAL):

LBS/ACRE	SEED
0.50	ACHILLEA MILLEFOLIUM, YARROW
1.80	AGROSTIS PALLENS, NATIVE BENTGRASS
6.00	ELYMUS GLAUCUS, BLUE WILDRYE
1.50	ESCHSCHOLZIA CALIFORNICA, CALIFORNIA POPPY
6.00	FESTUCA RUBRA, MOLATE RED FESCUE
4.00	LUPINUS BICOLOR, BICOLORED LUPINE
5.00	STIPA PULCHRA, PURPLE NEEDLEGRASS
3.00	POA SECUNA, PINE BLUEGRASS
2.00	SISYRINCHIUM BELLUM, BLUE-EYED GRASS
8.00	FESTUCA MICROSTACHYS, SMALL FESCUE

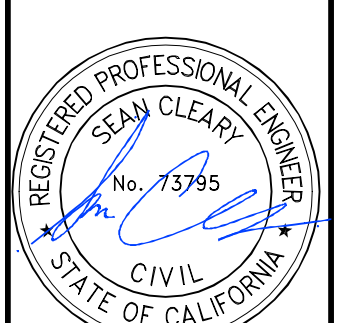
EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- FIBER ROLL PER DETAIL 1 THIS SHEET
- o--- CONSTRUCTION FENCING PER DETAIL 2 THIS SHEET

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