

THE PROJECT AREA INCLUDES THE FOLLOWING ASSESSOR PARCELS AND THEIR RESPECTIVE TYPES OF RESIDENTIAL ZONES:

APN(S):

- 001-150-12 (UR-10 UPLAND RESIDENTIAL (10 AC/DU)) • 001-160-09 (UR-10 UPLAND RESIDENTIAL (10 AC/DU)
- 001-251-31 (UR-10 UPLAND RESIDENTIAL (10 AC/DU))
- 001-171-51 (R.S.-7.5 SINGLE FAMILY RESIDENTIAL)

OWNER TIMBERSTONE 4038T LLC P.O. BOX 2434 MILL VALLEY, CA 94942 TEL. (415)383-1356

ENGINEER

RCE 12094

OBERKAMPER & ASSOCIATES CIVIL ENGINEERS, INC. 7200 REDWOOD BLVD STE. 308 NOVATO, CA 94945 TEL. (415)897-2800

ENGINEER'S STATEMENT

I, Leon E. Oberkamper, state that I am a Registered Civil Engineer under the laws of the State of California, that preparation of the map shown hereon was done by me or under my direction.

_____ day <u>of</u>____ 2017 Signed this____

Leon E. Oberkamper

GENERAL NOTES:

PER TOWN OF FAIRFAX TITLE 16.08.020 PARAGRAPH C-1.K:

EVERY PROPOSED HOUSE HAS BEEN DESIGNED TO INCORPORATE AN ATMOSPHERIC REGULATION SYSTEM CONSISTING OF 6 INCH PIPING BURIED A MINIMUM OF 6 FEET BELOW AND WITHIN THE PROPOSED BUILDING ENVELOPES WHICH, TAKING ADVANTAGE OF THE NATURAL MEAN TEMPERATURE OF THE EARTH BELOW THE SURFACE (55 DEGREES), WILL BE OF SUFFICIENT LINEAL FEET THAT THE TOTAL VOLUME OF AIR DRAWN THROUGH THE SYSTEM IS LARGE ENOUGH PROPORTIONAL TO THE TOTAL VOLUME OF LIVING SPACE IN ITS PARTICULAR HOUSE THAT IT WILL COOL THE INTERIOR OF THAT HOUSE DURING SUMMER MONTHS.

THE SYSTEM IS MOTIVATED BY A SMALL EFFICIENT 24 VOLT FAN WORKING OFF THE SOLAR PANELS . IT WILL BE CONTROLLED THROUGH STANDARD THERMOSTATS WHICH ALSO CONTROL A NUMBER OF DUCT BAFFLES SUCH THAT ON HOT DAYS THE COOL AIR WILL BE INTRODUCED NEAR THE FLOOR WHILE AN INTERIOR/EXTERIOR BAFFLE AT THE ROOF LINE WILL OPEN ALLOWING THE COLLECTED HOT AIR TO EXIT THE AS COOLER AIR DISPLACES IT.

IN THE COLDER WINTER MONTHS WITH THE THERMOSTATS CALLING FOR HEAT THE INTERIOR/EXTERIOR ROOF LINE BAFFLE WILL BE CLOSED TRAPPING HOT AIR AS IT RISES . THE AIR COOLED TO EARTHS MEAN TEMPERATURE NOW TO THE CEILING WHERE IT WILL PICK UP THE HEAT STORED IN THE HOT AIR COLLECTING THERE AND IS DIRECTED COOLING IT SUFFICIENTLY TO CAUSE IT TO SINK BACK DOWN TO THE LIVING AREA MIXING WITH WARMER AIR BEING PULLED INTO THE FURNACE INTAKE TO BE REHEATED . THIS NOT ONLY SAVES ENERGY NEEDED TO HEAT THE COLDER OUTSIDE AIR UP TO COMFORTABLE TEMPERATURES ESPECIALLY ON THOSE DAYS /NIGHTS THAT ARE COLDER THAN 55 DEGREES, BUT IT ALSO SATISFIES THE BUILDING CODE REQUIREMENTS FOR POSITIVE FRESH AIR FLOW INTO OUR INCREASINGLY AIR TIGHT BUILDINGS.

THIS SYSTEM WILL BE AUGMENTED FURTHER BY THE USE OF LIVING ROOFS WHICH MODULATE TEMPERATURE AND THE USE OF EXTERIOR MATERIALS SPECIALLY CHOSEN FOR THE CONDITIONS EXPECTED IN SPECIFIC AREAS.

PER TOWN OF FAIRFAX TITLE 16.08.020 PARAGRAPH C-1L:

CALIFORNIA HAS BEEN INCREASINGLY AFFECTED BY THE GROWING DISPARITY BETWEEN DEMAND FOR MORE HOUSING AND THE NUMBER OF NEW HOUSING UNITS BEING CREATED EVERY YEAR. SEVERAL LAWMAKERS IN SACRAMENTO INCLUDING GOVERNOR BROWN HAVE CALLED FOR CHANGES TO ENCOURAGE CREATION OF ADDITIONAL HOUSING UNITS IN ORDER TO COUNTER THE RISING PRICES WHICH ARE THE DIRECT RESULT OF THIS BOTTLE NECK.

THE CHALLENGE COMES IN FINDING WAYS TO INCREASE NUMBERS WITHOUT NEGATIVELY IMPACTING THE QUALITY OF LIFE IN THOSE COMMUNITIES WHERE IT IS PLACED.

THIS PROPOSED PROJECT WILL INCREASE THE NUMBER OF HOUSING UNITS BY ONLY A MODEST 10. HOWEVER, THROUGH THE GREEN BELTING OF IN EXCESS OF 95% OF THE TOTAL ACREAGE AND CONSTRUCTION AND DEDICATION OF CONNECTING PUBLIC TRAILS AND PARK AREAS, IT DISPROPORTIONATELY IMPROVES THE COMMUNITY'S QUALITY OF LIFE. FURTHER THE MODEST IMPACT OF 10 HOMES AS COMPARED TO THE NUMBER OF RESIDENTS WHO BENEFIT FROM EXPANDED AND CODIFIED USE MAY ALLOW THE TOWN THE FLEXIBILITY TO APPROVE HIGHER DENSITY HOUSING IN OTHER AREAS BY TEMPERING THEIR IMPACT.

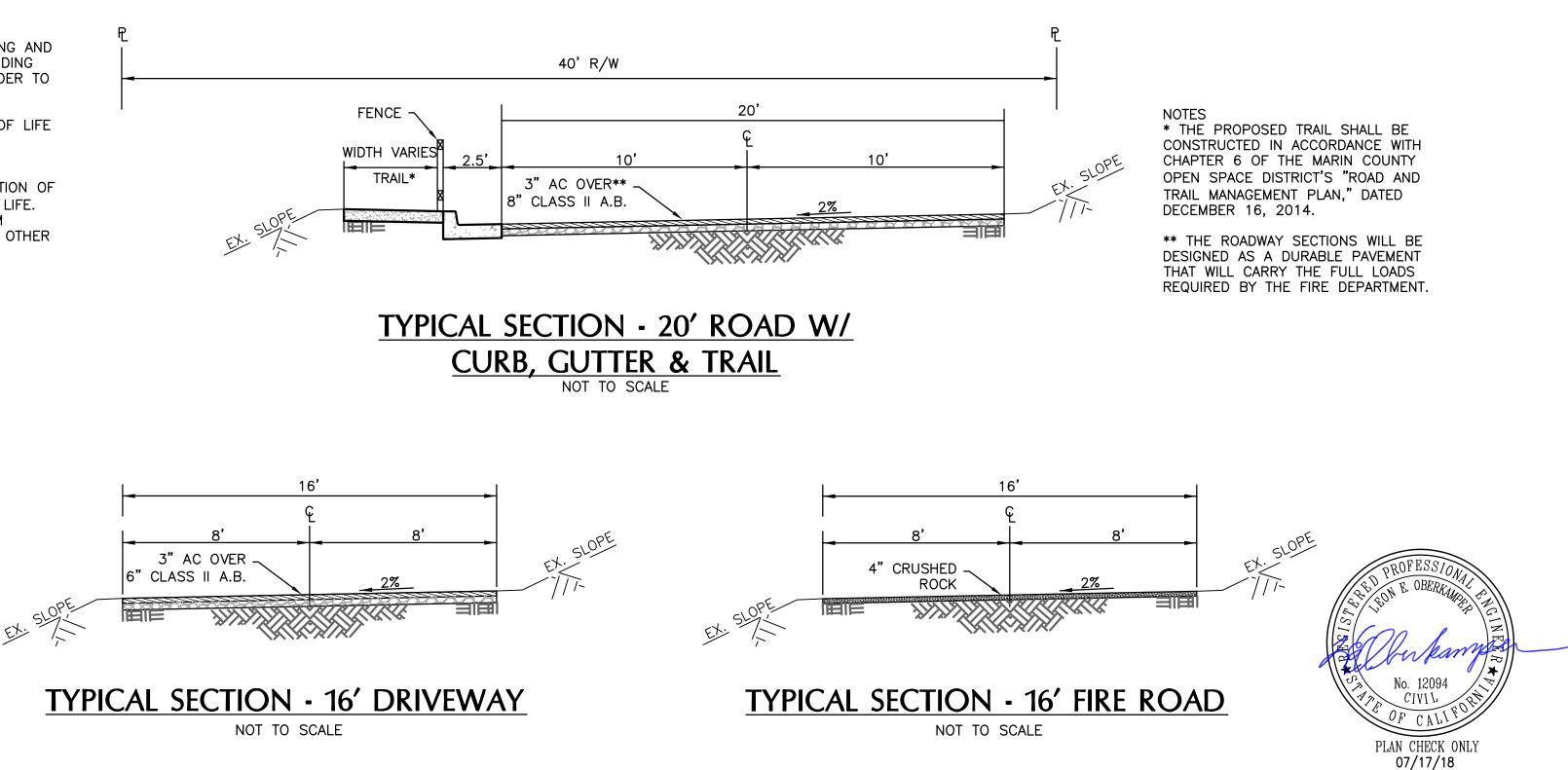
UTILITY NOTES:

- 1. SANITARY SEWER TO BE PROVIDED BY ROSS VALLEY SANITARY DISTRICT.
- 2. WATER TO BE PROVIDED BY MARIN MUNICIPAL WATER DISTRICT.
- 3. GAS AND ELECTRICITY TO BE PROVIDED BY PACIFIC, GAS & ELECTRIC.
- 4. TELEPHONE TO BE PROVIDED BY AT&T.
- 5. CABLE TV TO BE PROVIDED BY COMCAST.

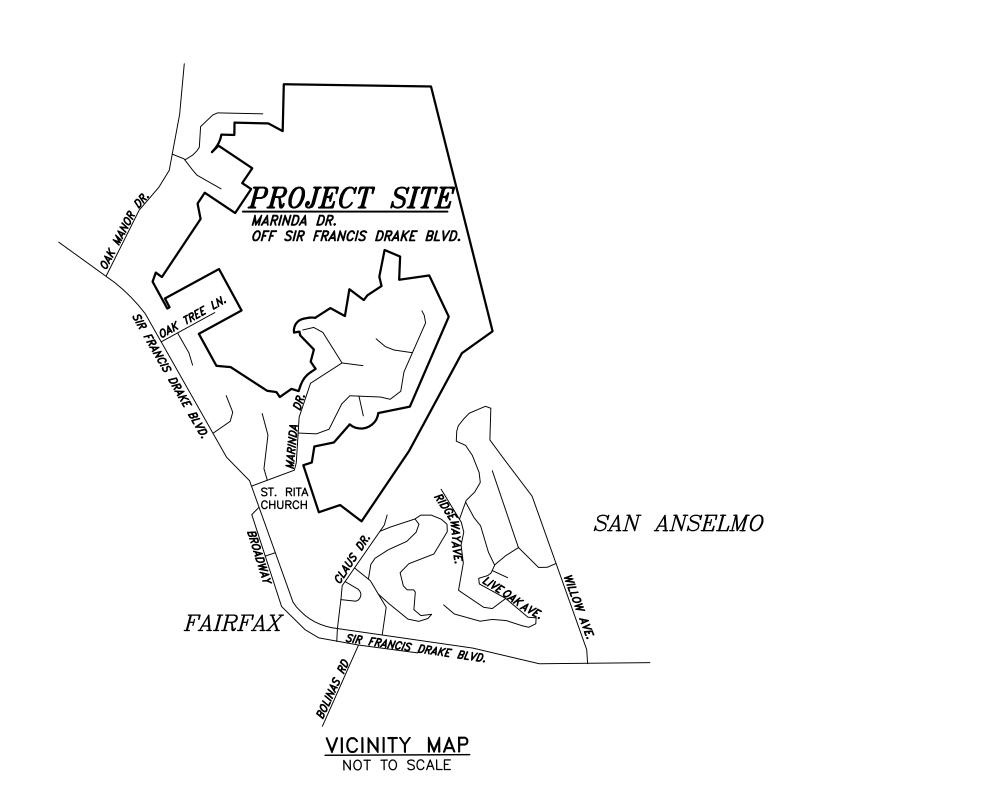
BENCHMARK NOTE

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) TIED TO NATIONAL GEODETIC SURVEY (NGS) BENCHMARK PID: "HT3516." SAID BENCHMARK HAVING AN ORTHOMETRIC HEIGHT OF 114.87 FEET (FIRST ORDER, CLASS II, JUNE 1991 ADJUSTMENT).

DESCRIBED BY NGS AS FOLLOWS: "IN SAN ANSELMO, AT THE INTERSECTION OF SIR FRANCIS DRAKE BOULEVARD AND SUFFIELD AVENUE, 38.7 M (127.0 FT) WEST OF THE CENTERLINE OF BUTTERFIELD ROAD, 12.4 M (40.7 FT) WEST OF THE SOUTHWEST CORNER OF THE CONCRETE FOUNDATION FOR AN UNDERGROUND CABLE JUNCTION BOX, 12.0 M (39.4 FT) NORTH OF THE CENTERLINE OF THE BOULEVARD, AND 8.1 M (26.6 FT) SOUTHEAST OF THE CENTERLINE OF THE AVENUE. NOTE-ACCESS TO DATUM POINT IS HAD THROUGH A 5-INCH LOGO CAP. THE MARK IS ABOVE LEVEL WITH THE AVENUE.



VESTING TENTATIVE MAP MARINDA HEIGHTS SUBDIVISION FAIRFAX, CALIFORNIA



IFGEND

DIAMETER	—		- BOUNDARY LINE
TAX ASSESSOR'S PARCEL N	UMBER —		- CENTERLINE
EDGE OF PAVEMENT		120	CONTOURS (EXISTING)
EMERGENCY ACCESS & TRA	IL EASEMENT	120	- CONTOURS (PROPOSED)
EMERGENCY ACCESS, TRAIL,	& UTILITY EASEMENT -		- EASEMENT LINE
EASEMENT	—	FM	
DRAINAGE EASEMENT			I∎ OUTLET DISSIPATER
DRAINAGE INLET	_		- PROPERTY LINE (PROPOSED
FINISHED FLOOR	_	ss	- SEWER (PROPOSED)
FLOW LINE	_	SD	- STORM DRAIN (PROPOSED)
FORK		w	
GARAGE FLOOR		•••••	
RECORD MAP			BIOINFILTRATION/DETENTION
ROADWAY ACCESS, & UTILIT	Y EASEMENT		TRAIL AREA
ROADWAY ACCESS, TRAIL &	UTILITY EASEMENT		
SANITARY SEWER			PERMEABLE JOINT PAVERS
STORM DRAIN			
STORM DRAIN CLEAN OUT			
STORM DRAIN MANHOLE			
UPPER LEVEL FINISHED FLOO)R		
WALL HEIGHT			
EXISTING TREE TO REMAIN			
EXISTING TREE TO BE REMO	VED		
		OF SHEETS	
		<u> </u>	
	C1.0 COVER SHE	EET	
	C1.1 STORMWAT	ER CONTROL MEASUR	RE DETAILS
	C2.0 BOUNDARY	AND TOPOGRAPHIC N	MAP
	C2.1 LOT LAYOU	JT & DIMENSIONS I	
	C2.2 LOT LAYOU	JT & DIMENSIONS III	
	C2.3 LOT LAYOU	JT & DIMENSIONS III	
	C2.4 TRAIL, PAR	K & ROAD ACCESS	MAP
	C2.5 LIMIT OF F	POTENTIAL DISTURBAN	ICE MAP
	C2.6 BUILDING	ENVELOPES WITH ACC	CESS ROADWAYS MAP
	C2.7 SLOPE AN	ALYSIS MAP	
AIL SHALL BE	C3.0 EXISTING C	ONDITIONS - LOTS 2	2 & 3
CORDANCE WITH MARIN COUNTY	C3.1 EXISTING C	ONDITIONS - LOTS 1	1 & 4-9
T'S "ROAD AND	C3.2 EXISTING C	ONDITIONS - LOT 10)
LAN," DATED	C4.0 EASEMENT	& UTILITY PLAN	
CTIONS WILL BE	C4.1 EASEMENT	& UTILITY PLAN – L	.OTS 2 & 3
ABLE PAVEMENT E FULL LOADS	C4.2 EASEMENT	& UTILITY PLAN – L	.OTS 1 & 4-9
RE DEPARTMENT.	C4.3 EASEMENT	& UTILITY PLAN – L	.OT 10
	C5.0 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN
	C5.1 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOT 2
	C5.2 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOT 3
	C5.3 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOTS 4 & 5
	C5.4 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOTS 1 & 6 ROAI
	C5.5 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOTS 1 & 6
	C5.6 PRELIMINA	RY GRADING & DRAIN	IAGE PLAN – LOTS 7 – 9
			IAGE PLAN – LOT 5 E.A.T.U.
PROFESSIONAL N.E. OBERKALL			IAGE PLAN - LOT 10
CHI ON E OBERKAMPER IN		DRIVE PLAN & PROFIL	

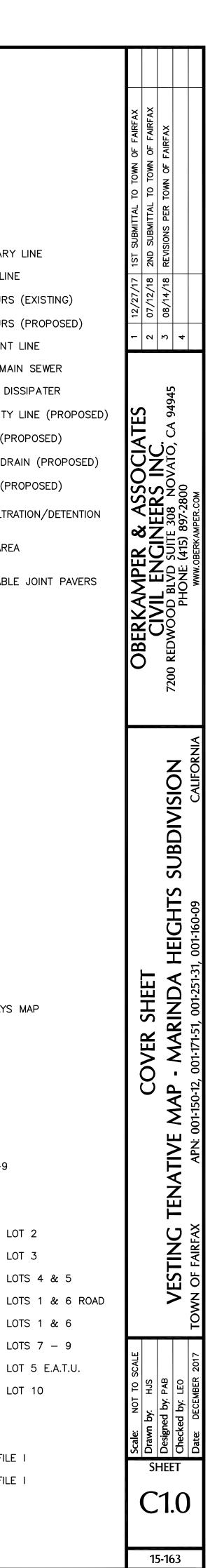
C6.1 MARINDA DRIVE PLAN & PROFILE II

C6.4 LOT 6 DRIVEWAY PLAN & PROFILE

C6.5 LOT 10 DRIVEWAY PLAN & PROFILE

C6.2 MARINDA HEIGHTS FIRE ROAD PLAN & PROFILE I

C6.3 MARINDA HEIGHTS FIRE ROAD PLAN & PROFILE I



APN

EΡ

E.A.T.

E.A.T.U.

E.S.M.T.

D.E.

DI

FF

FL

FRK

GF

R.M.

R.A.U.

R.A.T.U

SS

SD

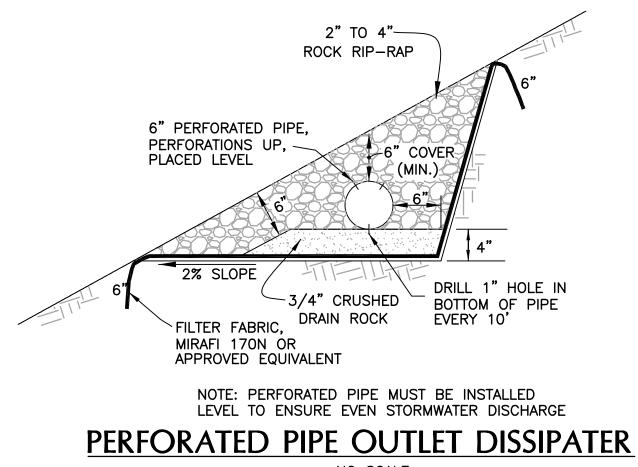
SDCO

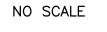
SDMH

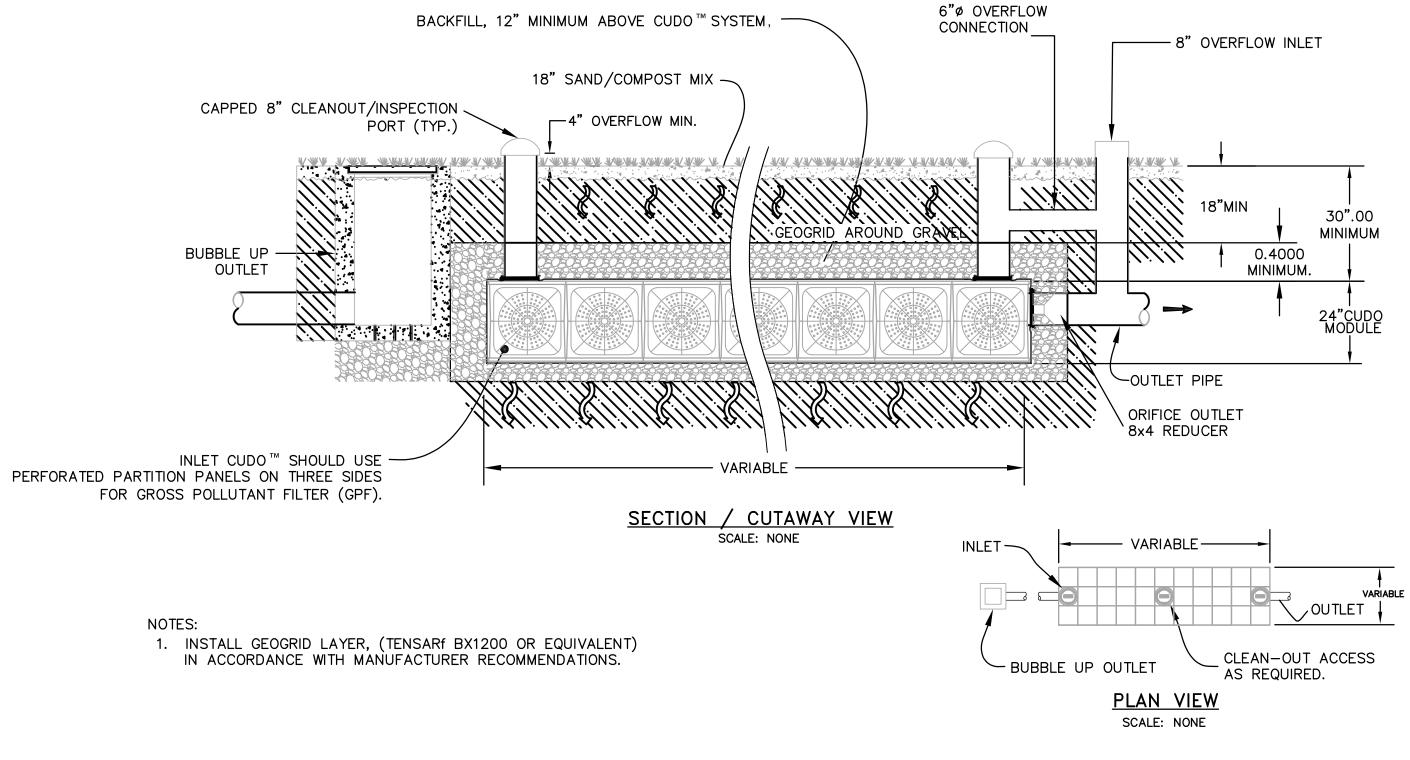
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WHT

NOTES:



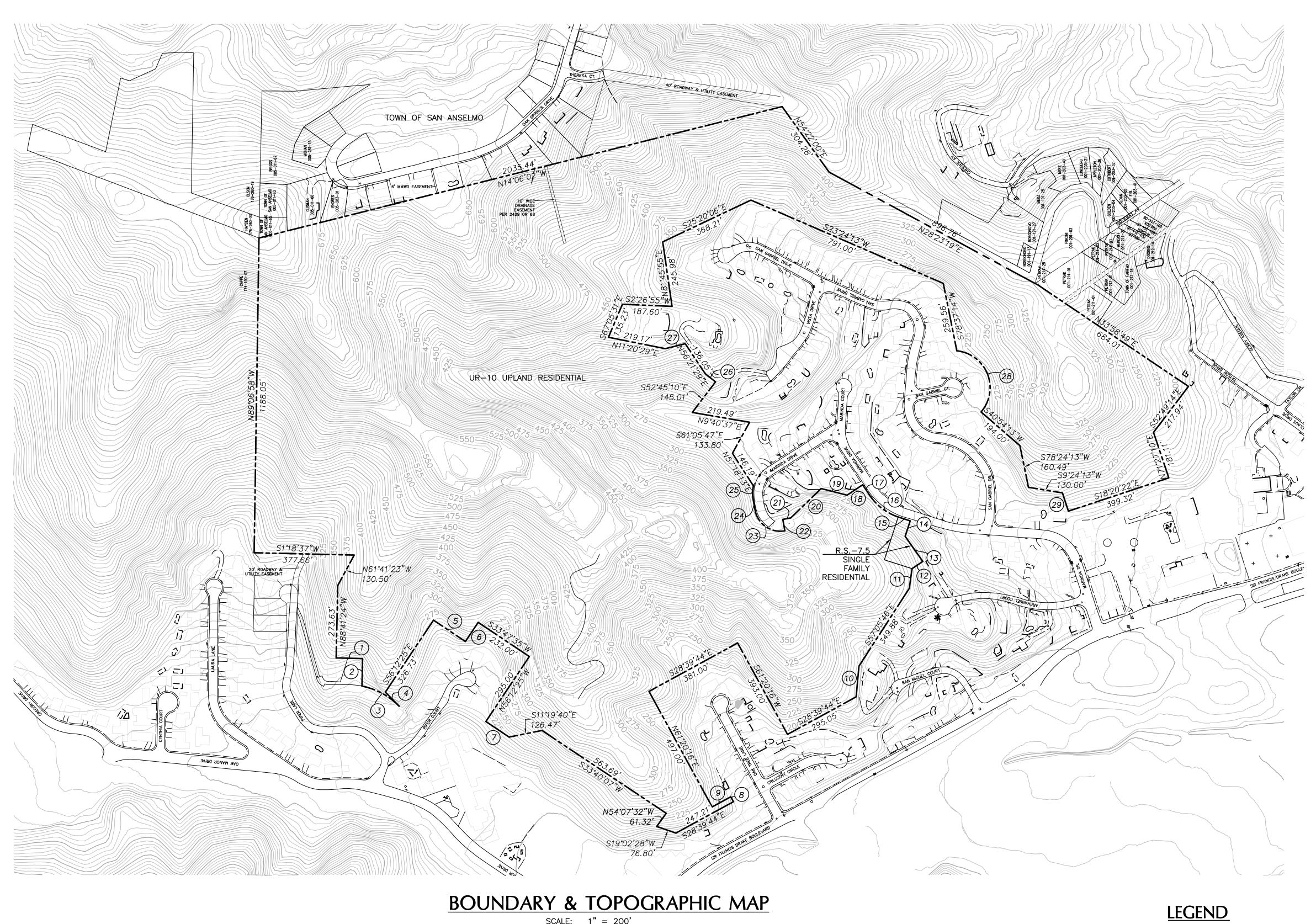




INTEGRATED BIOINFILTRATION-DETENTION SYSTEM TYPICAL DETAILS

SCALE: NONE

	12/27/17 IST SUBMITTAL TO TOWN OF FAIRFAX 07/12/18 ZND SUBMITTAL TO TOWN OF FAIRFAX
	OBERKAMPER & ASSOCIATES 1 12 OBERKAMPER & ASSOCIATES 1 12 Z200 REDWOOD BLVD SUITE 308 NOVATO, CA 94945 3 1 12 T200 REDWOOD BLVD SUITE 308 NOVATO, CA 94945 3 1 1 12 MWK.OBERKAMPER.COM (415) 897-2800 4 4 4
	STORMWATER CONTROL MEASURE DETAILS STORMWATER CONTROL MEASURE DETAILS STORMWATER CONTROL MEASURE DETAILS VESTING TENATIVE MAP • MARINDA HEIGHTS SUBDIVISION TOWN OF FAIREAX APN: 001-150-12, 001-171-51, 001-251-31, 001-160-09 CALIFORNIA
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EASEMENT NOTE: ALL EASEMENTS SHOWN IN THE TITLE REPORT AND ALL EASEMENTS KNOW FOR THE PROPERTY ARE SHOWN ON THE MAP AS REQUIRED BY THE CODE.

SCALE: 1" = 200'

	BOUNDAR	y dime	INSIO	NS .
AG #	BEARING	DISTANCE	RADIUS	DELTA Δ
1	S1° 8' 32"W	99.93'	_	_
2	N88° 41' 23"W	74.28'	_	_
3	CURVE	161.71'	270.00'	34° 19' 00"
4	N45° 28' 35"E	74.28'	_	-
5	S33° 47' 35"E	145.00'	_	-
6	S56° 47' 35.08"W	232.00'	_	_
7	S53° 47' 35"W	105.49'	-	-
8	N61° 20' 16"E	21.13'	_	_
9	N28 39' 44"W	80.00'	_	_
10	S84° 49' 29"E	116.29'	_	-
11	S82 05' 47"E	75.00'	_	-
12	S33° 35' 47"E	49.00'	_	-
13	N54° 48' 27"E	116.00'	_	-
14	S72° 01' 28"E	61.49'	-	-
15	N17° 54' 13.11"E	46.04'	-	-
16	CURVE	140.08'	208.36'	38° 31 04'
17	N56° 26' 47"E	46.72'	-	-
18	N33° 31' 47"W	71.00'	-	-
19	N14° 19' 13"E	100.54'	-	-
20	N43 56' 46.89"W	160.00'	-	_
21	N10° 03' 53.77"W	29.89'	-	-
22	S79 56' 29.62"W	43.99'	_	-
23	CURVE	152.367'	97.00'	90°00'00"
24	N79° 56' 13.11"E	43.43'	_	-
25	CURVE	48.75 '	121.49'	22 59 30"
26	N38 19 29 E	49.43'	-	-
27	N13° 55' 31'W	77.26'	-	-
28	CURVE	305.43'	140.00'	125 00 00"
29	S72° 04' 13"W	72.51'	-	-

OB

720

MAP HTS SUBDIVISION CALIFORN

OPOCRAPHIC MAF

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AR

BOUND/ TENATIVE

VESTING . wn of fairfax

SHEET

C2.0

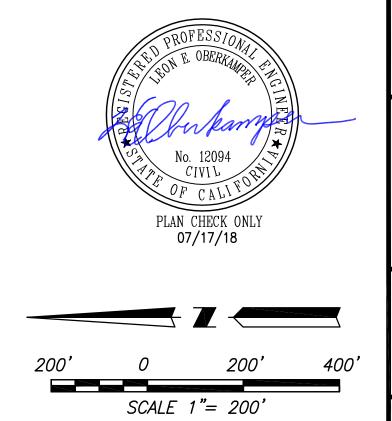
15-163

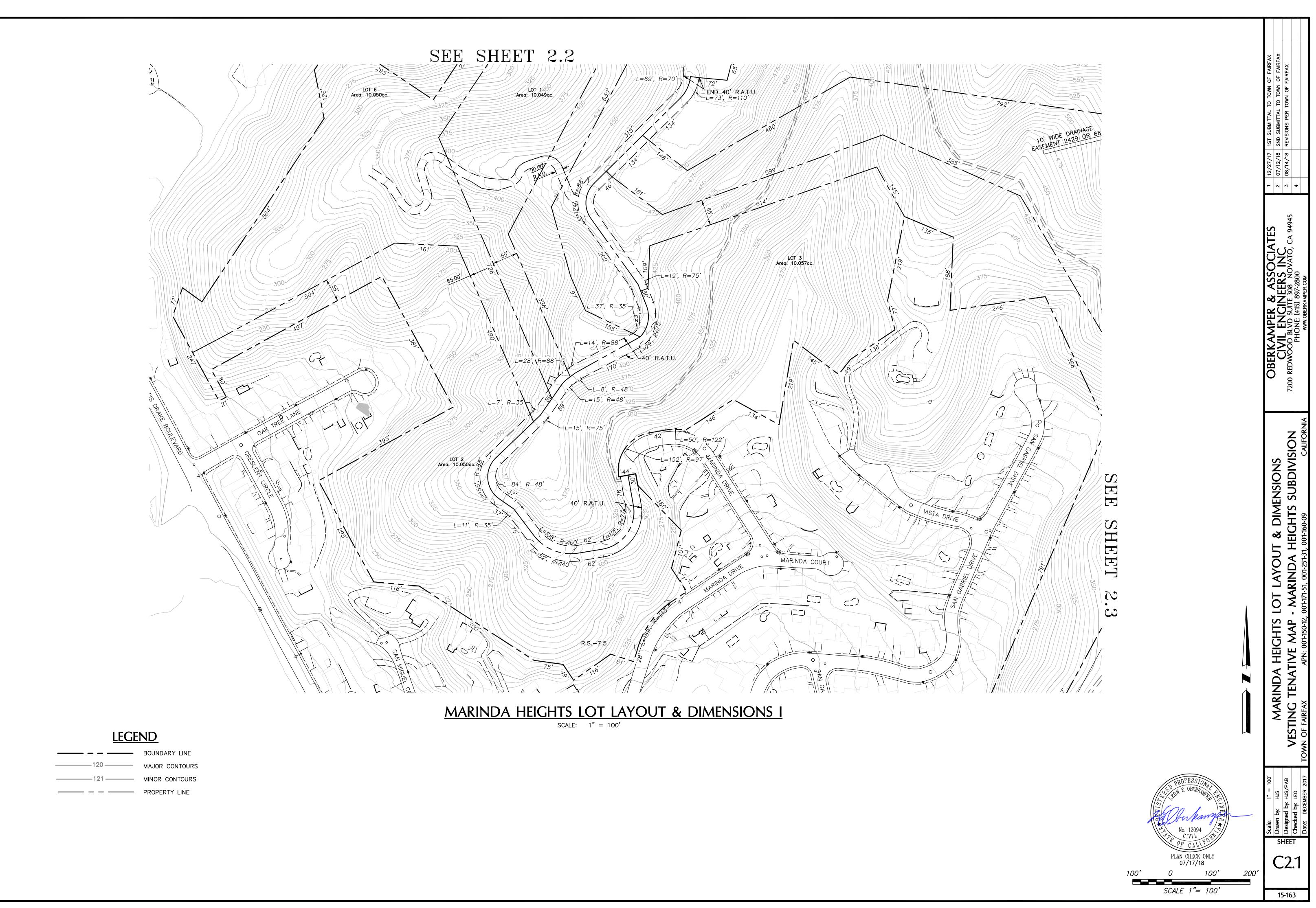
BOUNDARY LINE

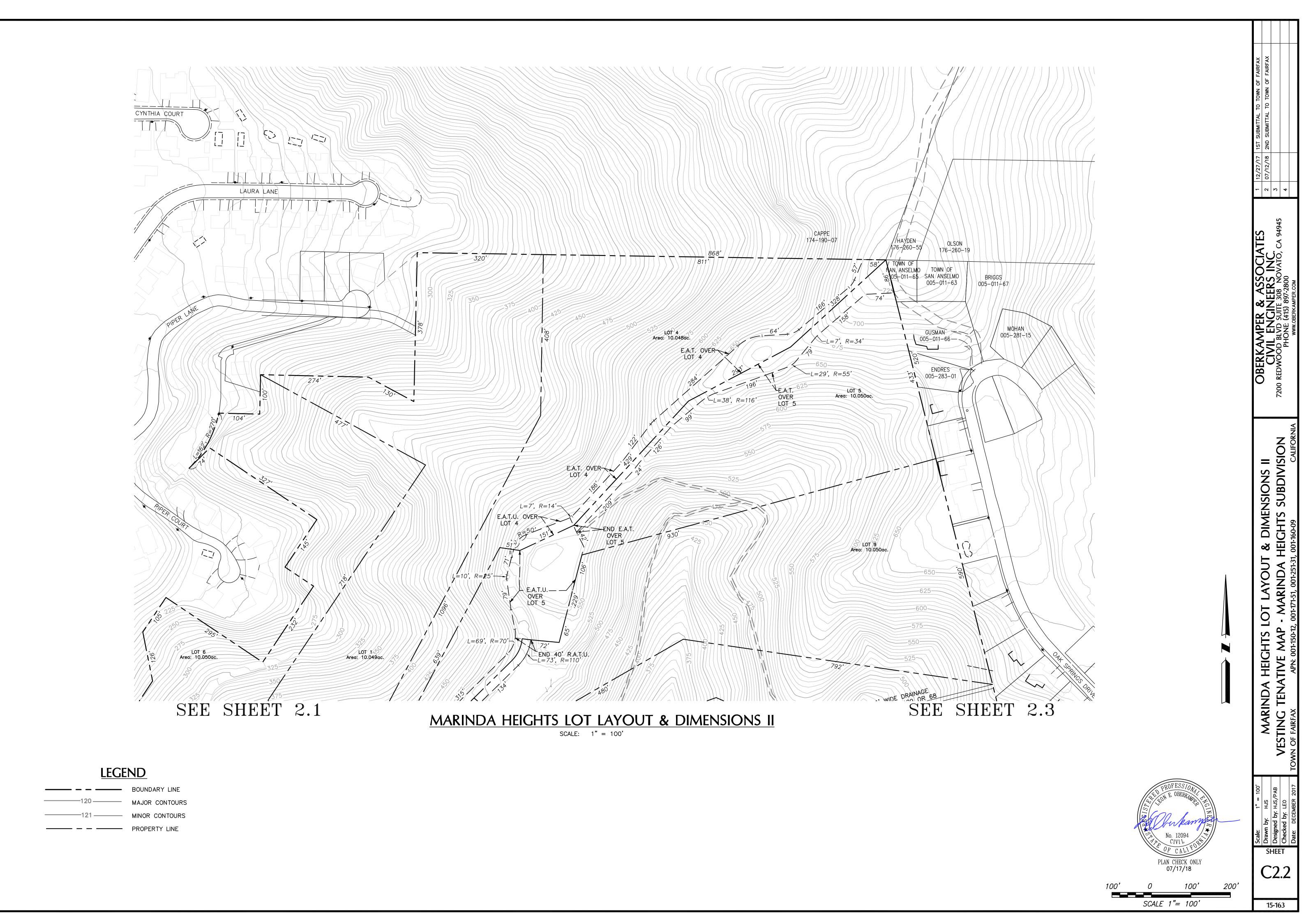
ZONING AREA: R.S - 7.5 SINGLE FAMILY RESIDENTIAL

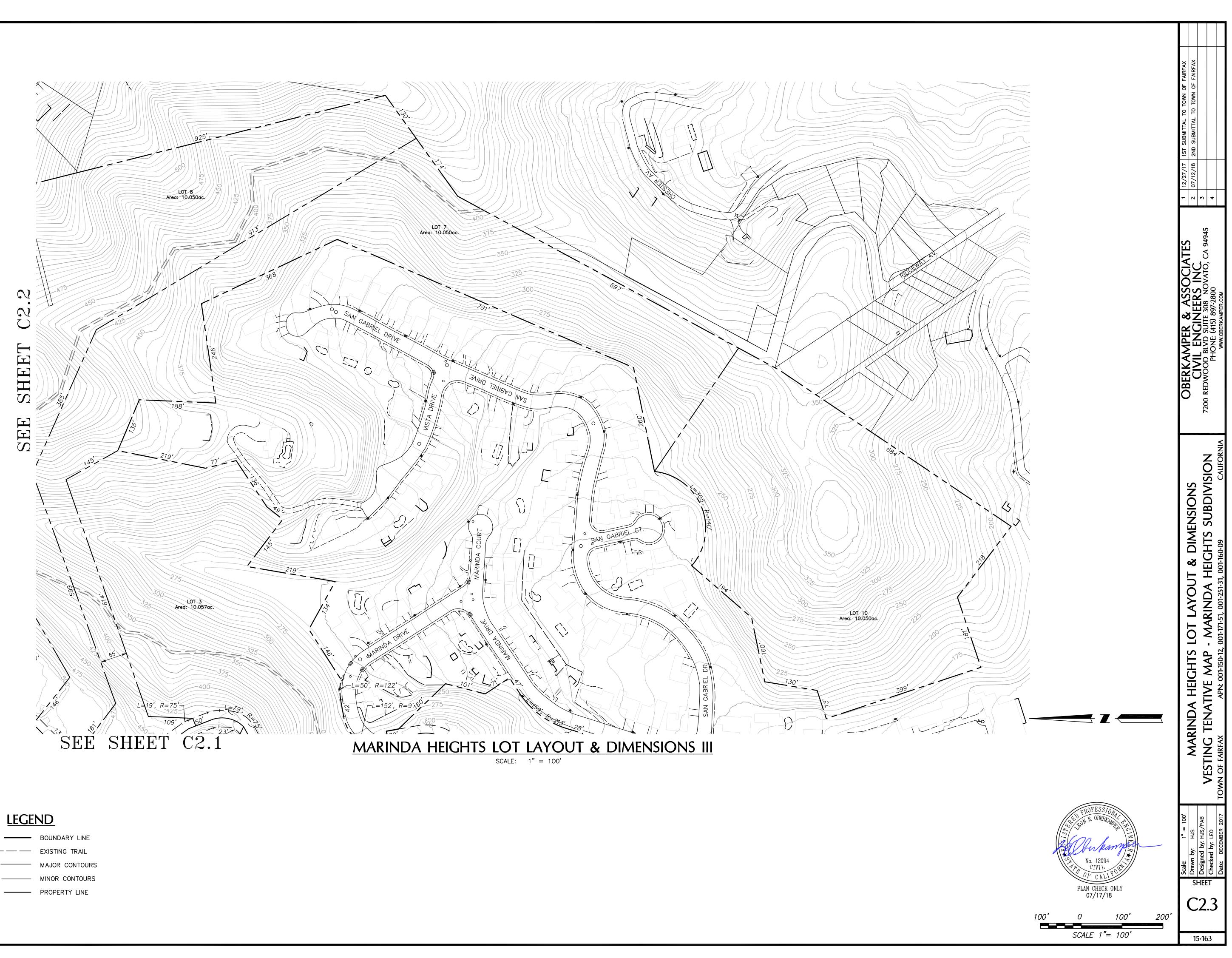
MAJOR CONTOURS

—121 — MINOR CONTOURS

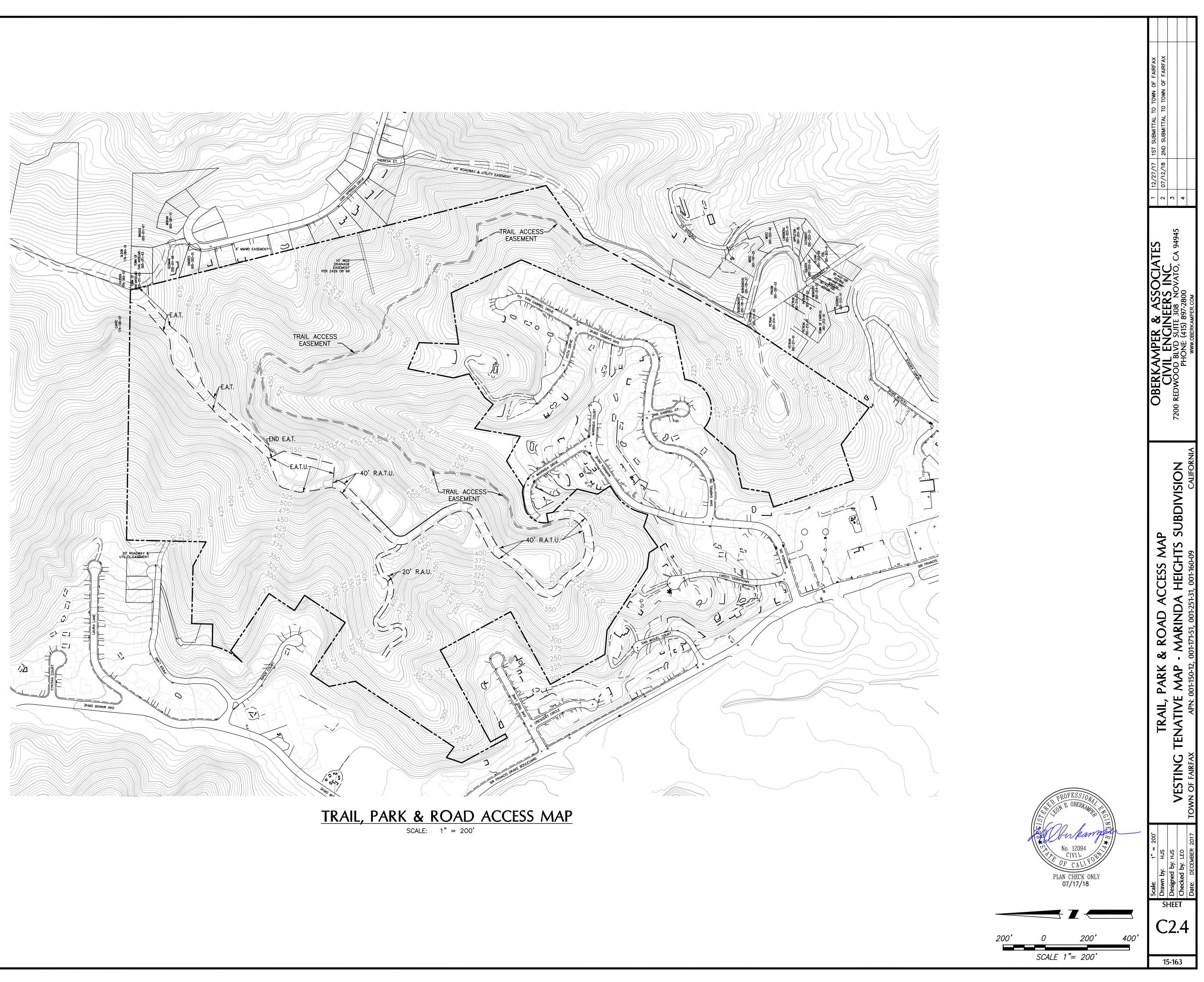


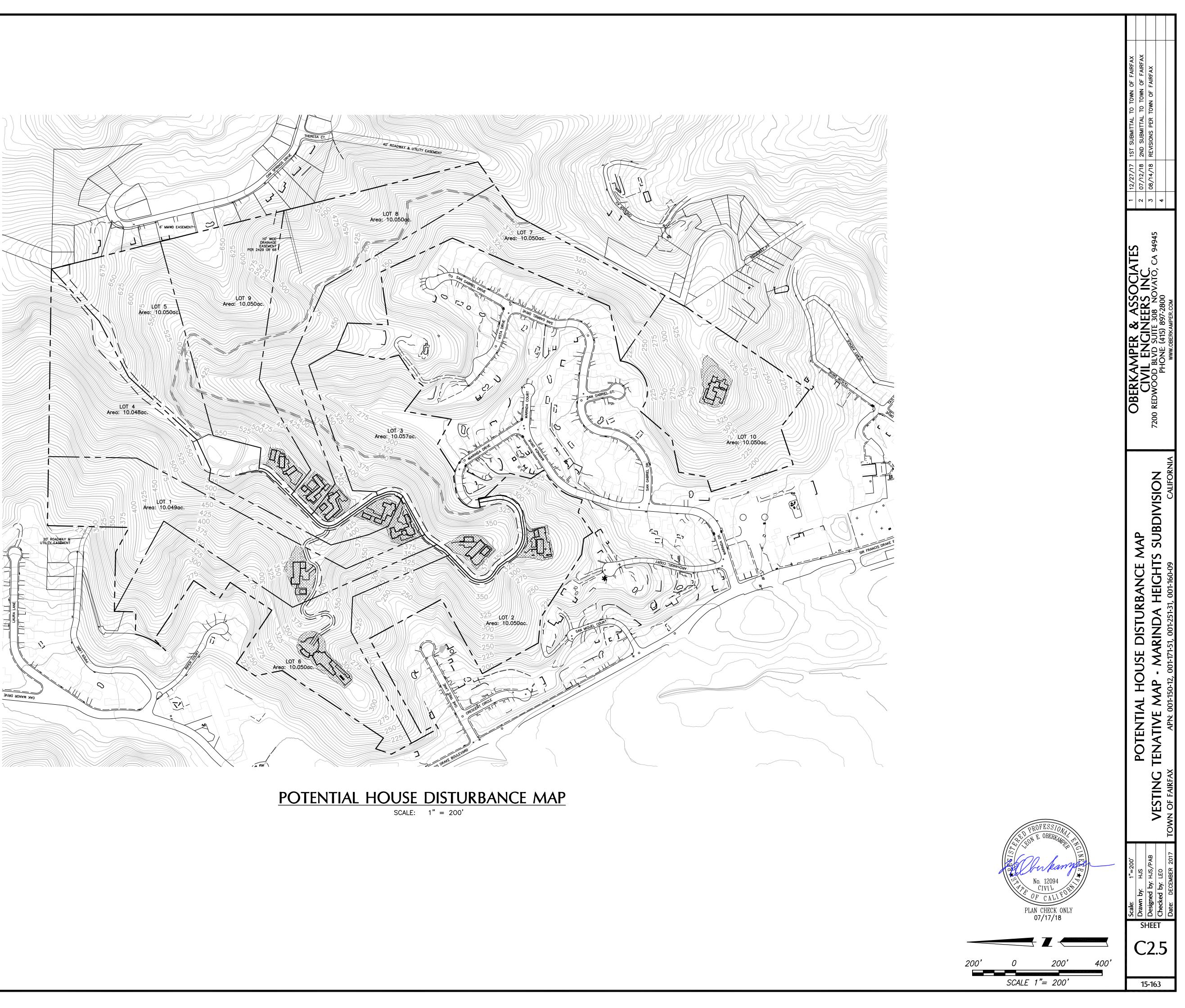






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121





NOTES:

TOTAL SITE AREA = 100.50 ACRES POTENTIAL HOUSE DISTURBANCE AREA = 4.57 ACRES GREEN BELT AREA = 100.50 - 4.57 = 95.93 ACRES PERCENTAGE OF TOTAL SITE TO BE GREEN BELTED = 95.93/100.50 = 95.45%

LEGEND

LIMIT OF POTENTIAL HOUSE DISTURBANCE AREA

GREEN BELT AREA



<u>NOTES:</u>

ALL SHADED AREAS SHOWN SHALL REMAIN IN THEIR NATURAL STATE AND WILL BE PROTECTED BY DEED RESTRICTION FROM DEVELOPMENT AND FENCING.

<u>LEGEND</u>



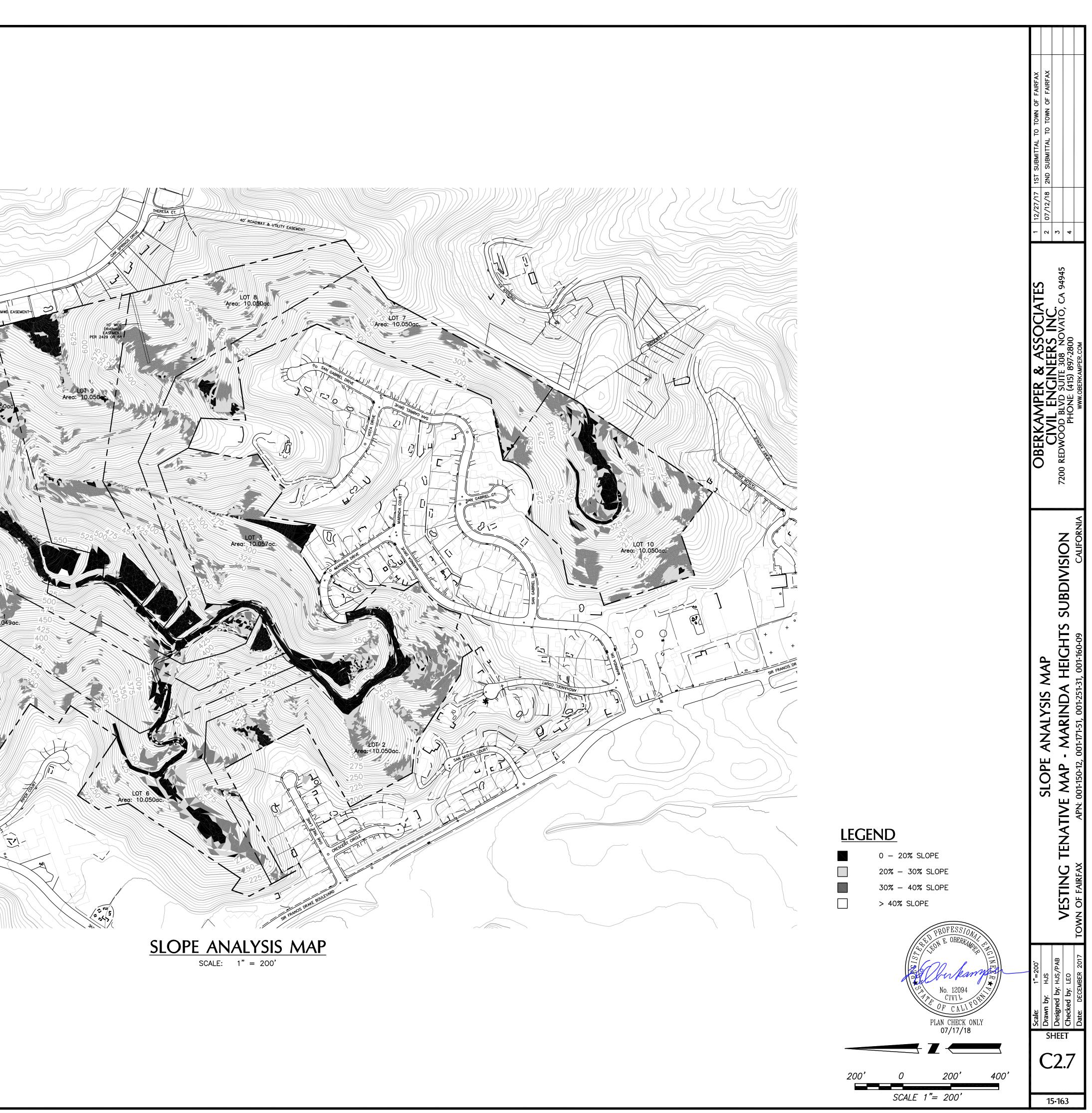
BUILDING ENVELOPE & ROADWAY ACCESS AREAS NATURAL STATE AREAS

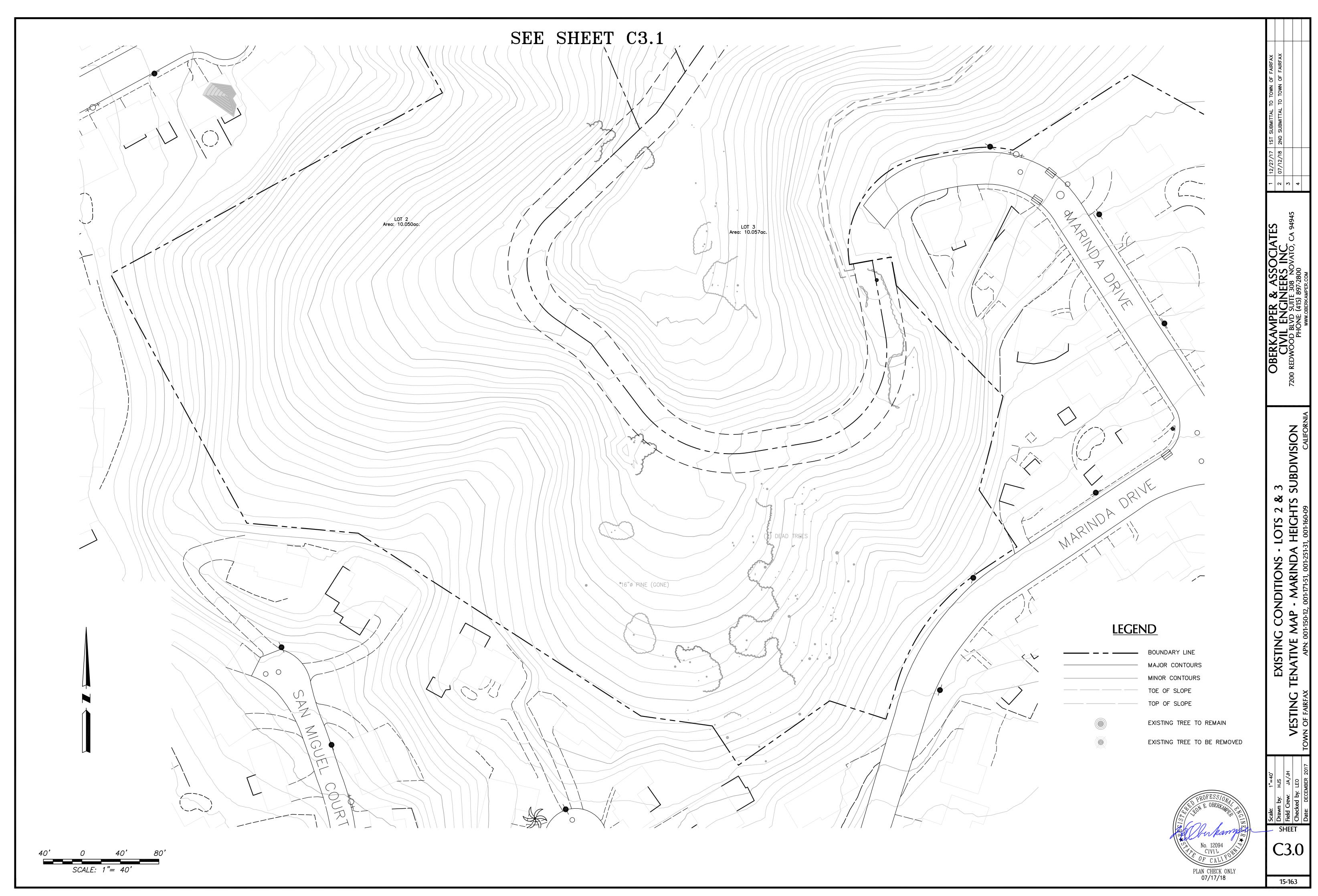
BUILDING ENVELOPES WITH ACCESS ROADWAY MAP

SCALE: 1" = 200'

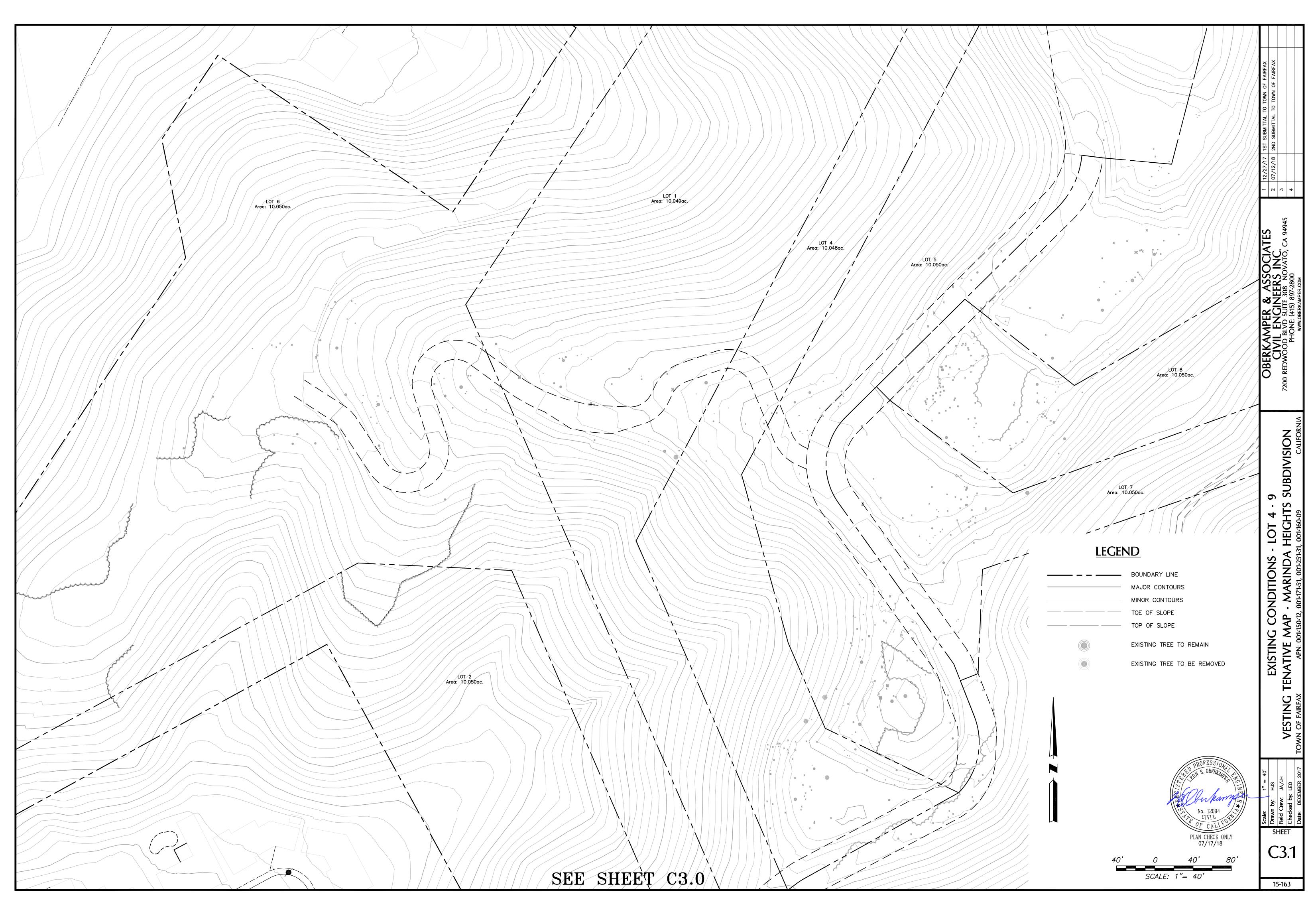
			112/27/171ST SUBMITTAL TO TOWN OF FAIRFAX207/12/182ND SUBMITTAL TO TOWN OF FAIRFAX308/14/18REVISIONS PER TOWN OF FAIRFAX444
OT 10 10.050oc.			OBERKAMPER & ASSOCIATES CULL ENGINEERS INC. 7200 REDWOOD BLVD SUITE 308 NOVATO, CA 94945 PHONE: (415) 897-2800 WWW.OBERKAMPER.COM
		ROFESSIONAL COMPANY	BUILDING ENVELOPE WITH ACCESS ROADWAY MAPS VESTING TENATIVE MAP - MARINDA HEIGHTS SUBDIVISION TOWN OF FAIRFAX APN: 001-150-12, 001-171-51, 001-251-31, 001-160-09 CALIFORNIA
	200'	No. 12094 CIVIL OF CALLE PLAN CHECK ONLY 07/17/18 0 200' 400 SCALE 1"= 200'	Scale: 1"=200' Drawn by: HJS Designed by: HJS Checked by: LEO Date: DECEMBER 2017

*** \sim OAK MANOR DRIVE

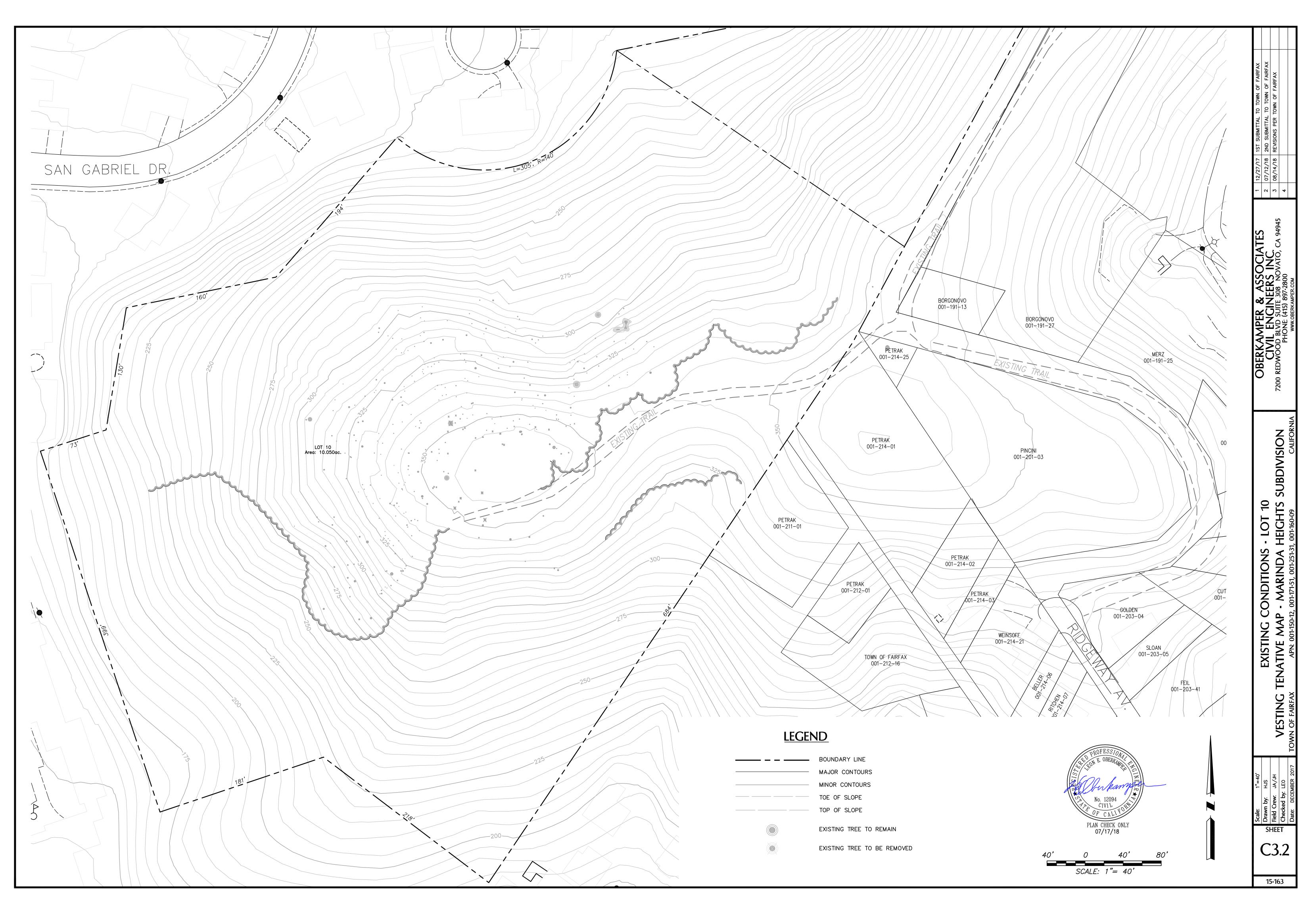




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EASEMENT & UTILITY PLAN SCALE: 1" = 200'

ABBREVIATIONS DRAINAGE EASEMENT D.E.

E.A.T. EMERGENCY ACCESS & TRAIL EASEMENT E.A.T.U EMERGENCY ACCESS, TRAIL & UTILITY EASEMENT R.A.T.U. ROADWAY ACCESS, TRAIL & UTILITY EASEMENT W.L.T. WATER LINE EASEMENT

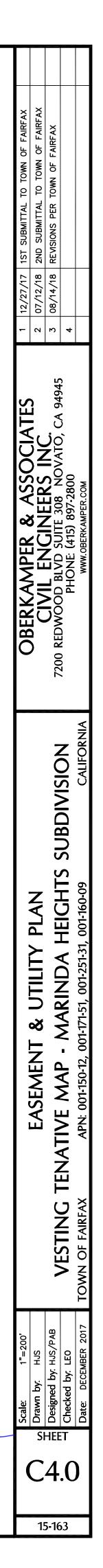
LEGEND



EASEMENT LINE PROPERTY LINE CONTOURS (EXISTING)

LOT 1 10.049 TOTAL LOT 1 ACCESS 0.177 EASEMENTS 0.177 LOT 1 NET AREA 9.872 LOT 2 10.050 TOTAL LOT 2 ACCESS 0.390 EASEMENTS 0.190 LOT 2 NET AREA 9.660 LOT 3 10.057 TOTAL LOT 3 ACCESS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 LOT 3 NET AREA 9.472 LOT 4 10.048 TOTAL LOT 4 ACCESS 0.905 EASEMENTS 0.905 EASEMENTS 0.10.50 TOTAL LOT 5 ACCESS 1.901 EASEMENTS 0.10.50 TOTAL LOT 5 ACCESS 1.901 EASEMENTS 0.1050 TOTAL LOT 5 ACCESS 1.901 EASEMENTS 0.1050 TOTAL LOT 5 ACCESS 0.0355 EASEMENTS 0.1050 TOTAL LOT 6 ACCESS 0.0355 EASEMENTS 0.1050 TOTAL LOT 6 ACCESS 0.0355 EASEMENTS 0.163 LOT 6 NET AREA 0.10.050 TOTAL LOT 7 ACCESS 0.163 EASEMENTS 0.163 LOT 7 NET AREA 9.887 LOT 8 10.050 TOTAL LOT 8 ACCESS 0.0600 EASEMENTS 0.0600 EASE	LOT	TABLE
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TOTAL LOT 1 ACCESS0.177LOT L NET AREA9.872LOT 210.050TOTAL LOT 2 ACCESS0.390EASEMENTS0.10050LOT 2 NET AREA9.660LOT 310.057TOTAL LOT 3 ACCESS0.585EASEMENTS0.585LOT 410.048TOTAL LOT 4 ACCESS0.905EASEMENTS0.905LOT 410.050TOTAL LOT 5 ACCESS0.905EASEMENTS1.907LOT 4 NET AREA9.143LOT 510.050TOTAL LOT 5 ACCESS1.907EASEMENTS0.035LOT 610.050TOTAL LOT 6 ACCESS0.035EASEMENTS0.035LOT 6 NET AREA10.050TOTAL LOT 7 ACCESS0.163LOT 710.050TOTAL LOT 8 ACCESS0.060EASEMENTS0.060LOT 8 NET AREA9.990LOT 910.050TOTAL LOT 8 ACCESS0.095EASEMENTS0.095LOT 9 NET AREA9.995	TOTAL SITE AREA	100.504
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LOT 2 10.050 TOTAL LOT 2 ACCESS 0.390 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.585 EASEMENTS 0.905 EASEMENTS 0.905 LOT 5 NET AREA 0.905 EASEMENTS 0.905 LOT 6 NET AREA 0.905 LOT 7 10.050 TOTAL LOT 7 ACCESS 0.060 EASEMENTS 0.905 LOT 8 NET AREA 9.990 LOT 9 10.050 TOTAL LOT 9 ACCESS 0.095 EASEMENTS 0.955 LOT 9 NET AREA 9.955		0.177
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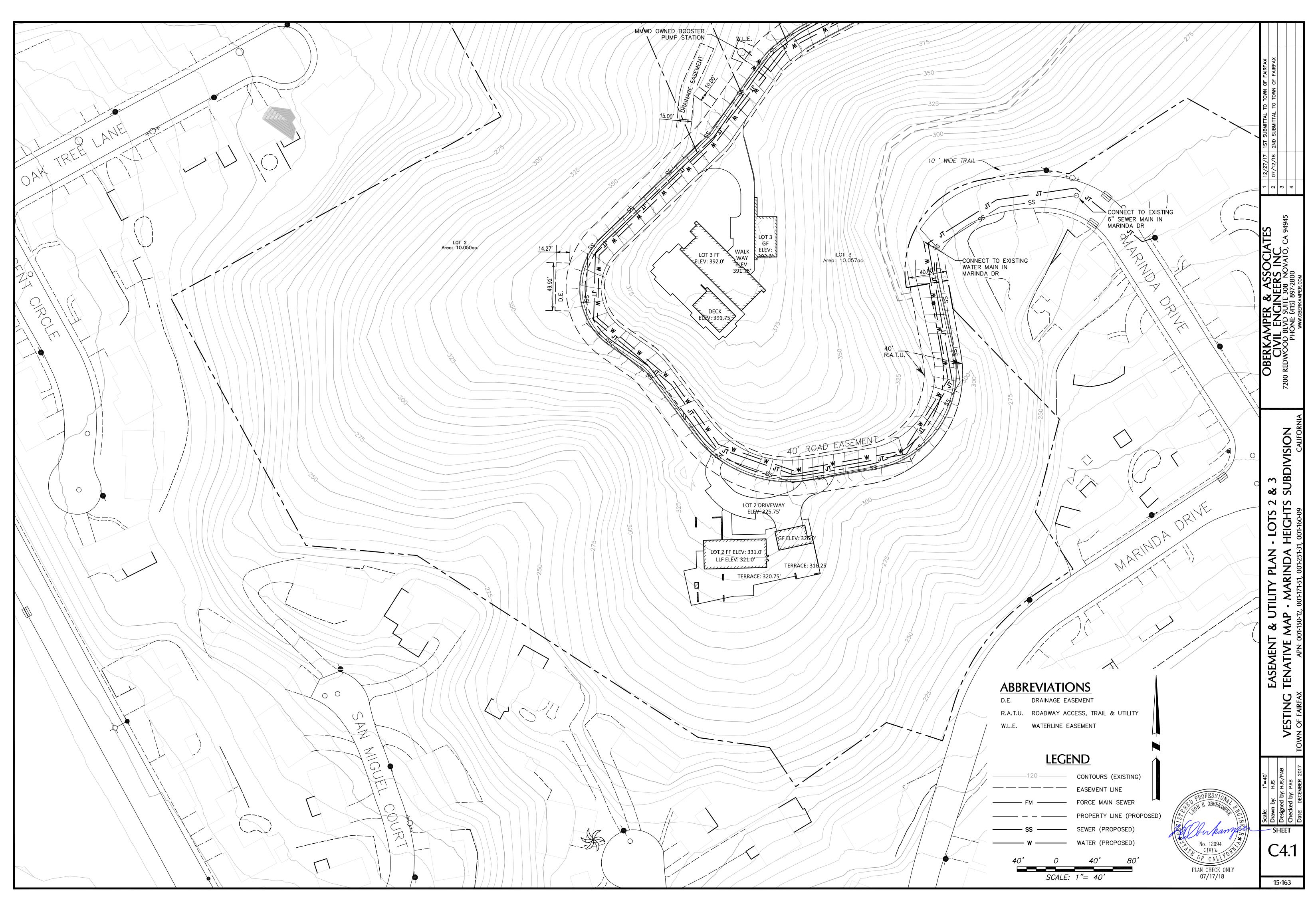
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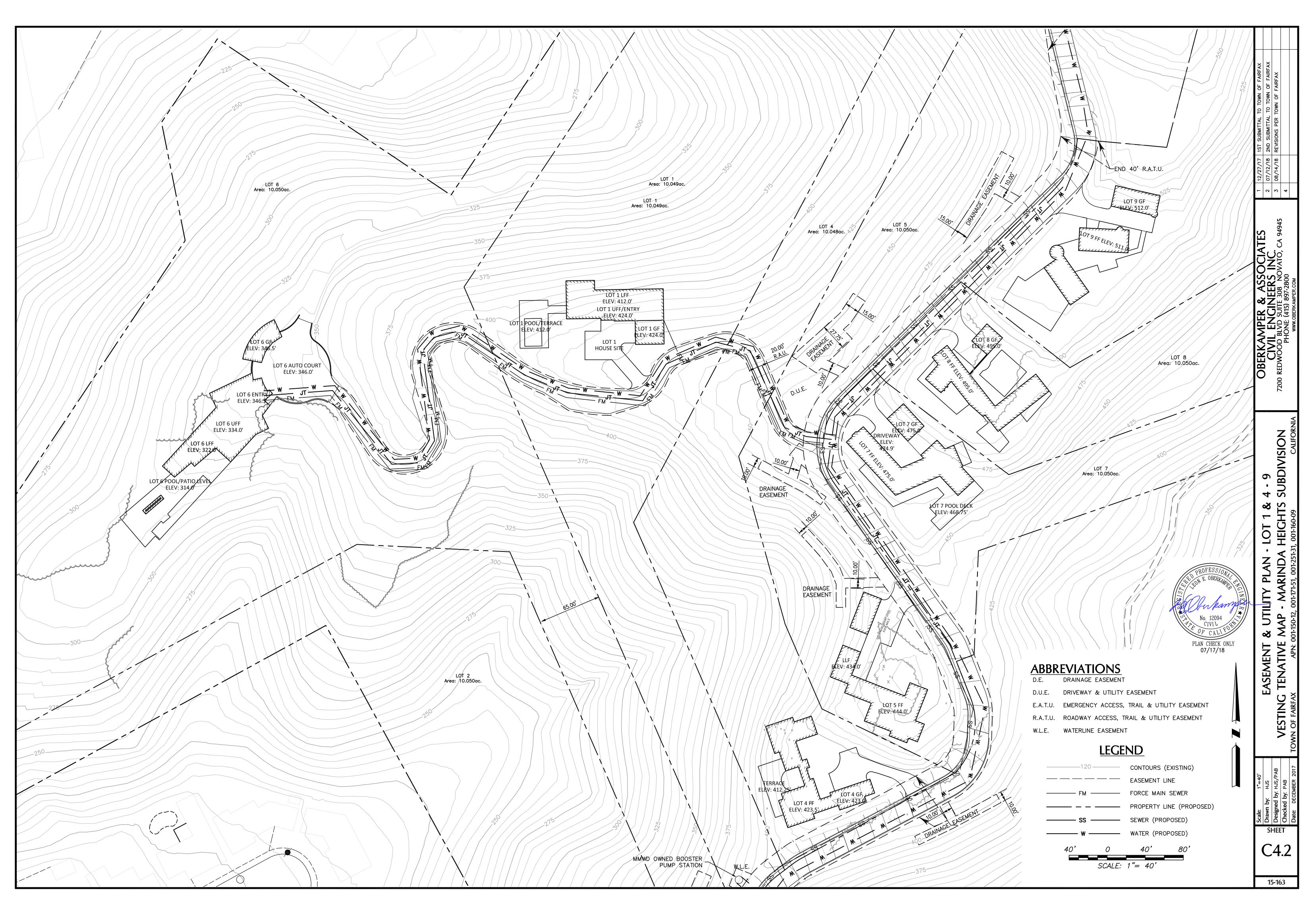


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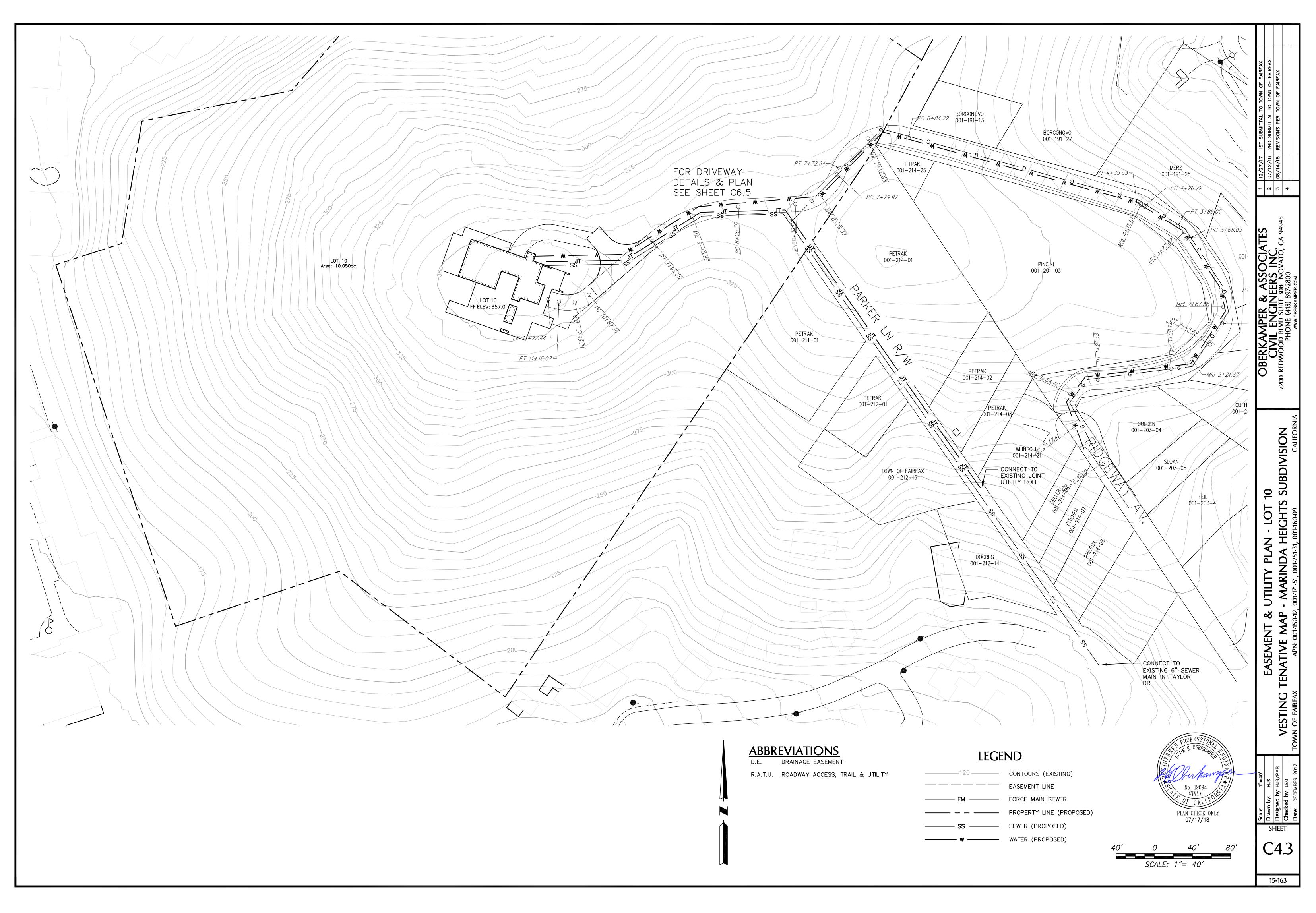
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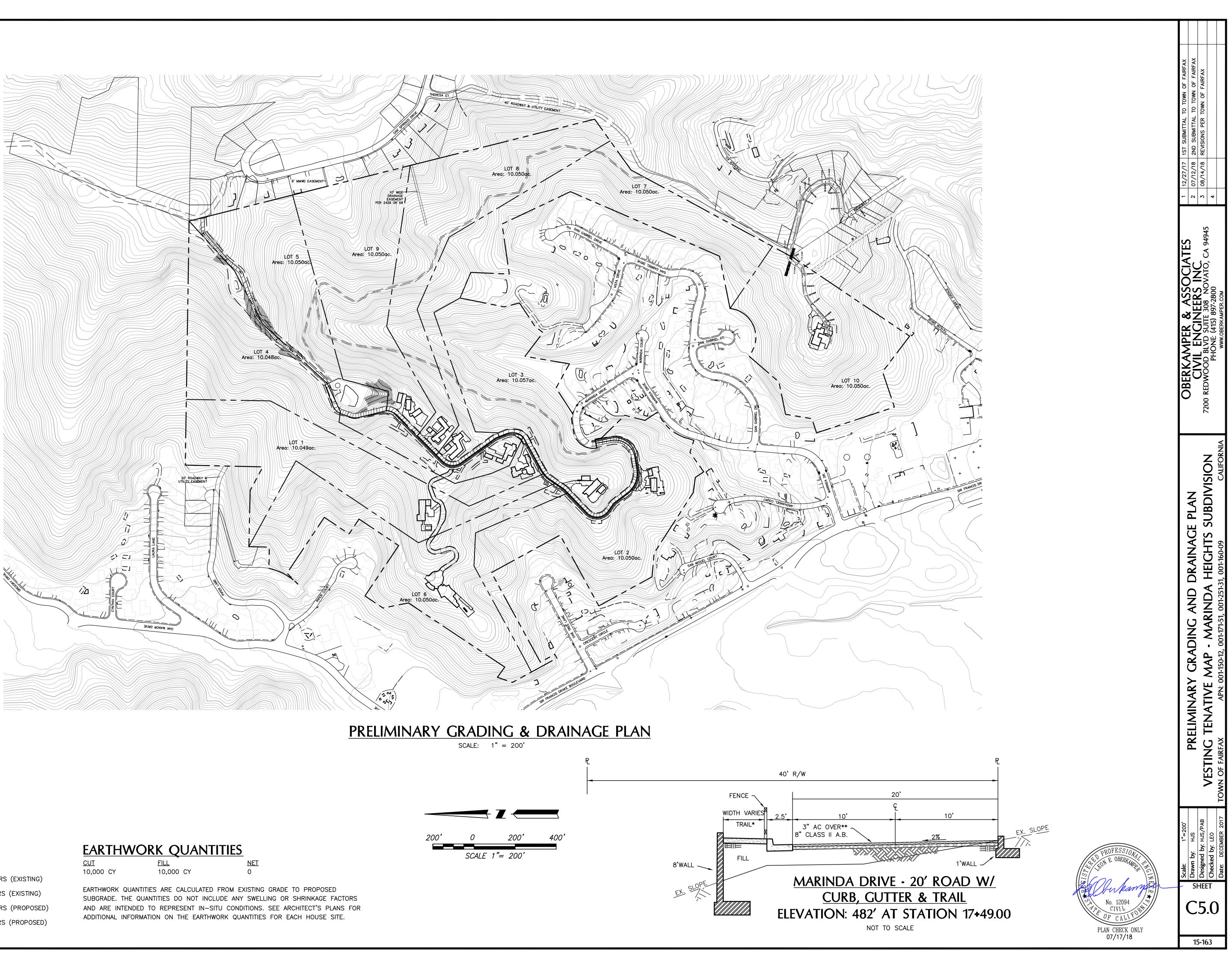




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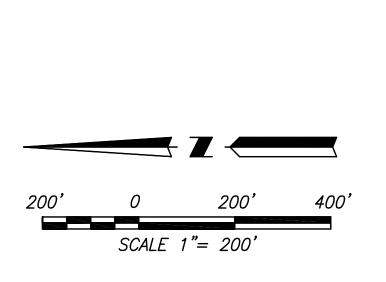


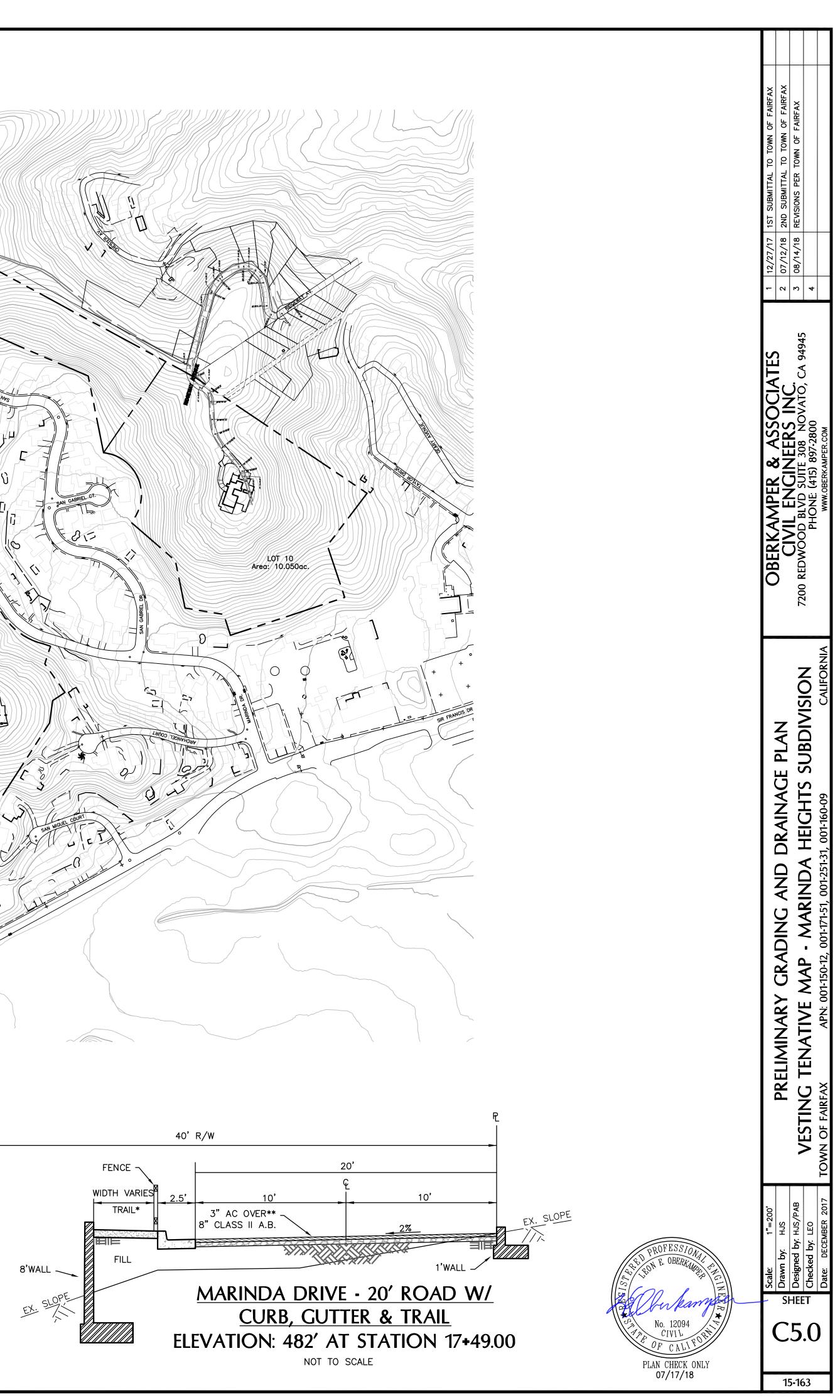
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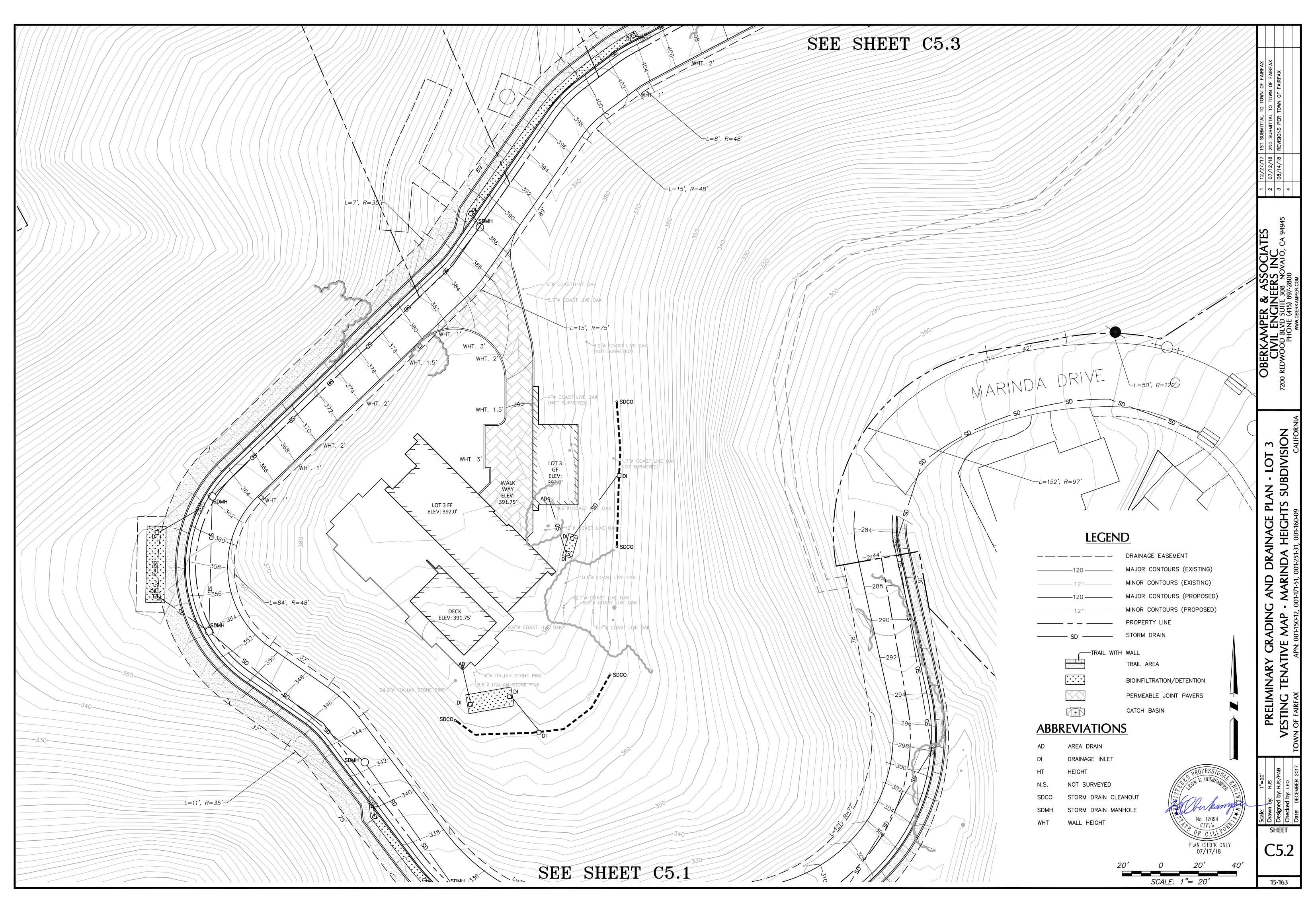
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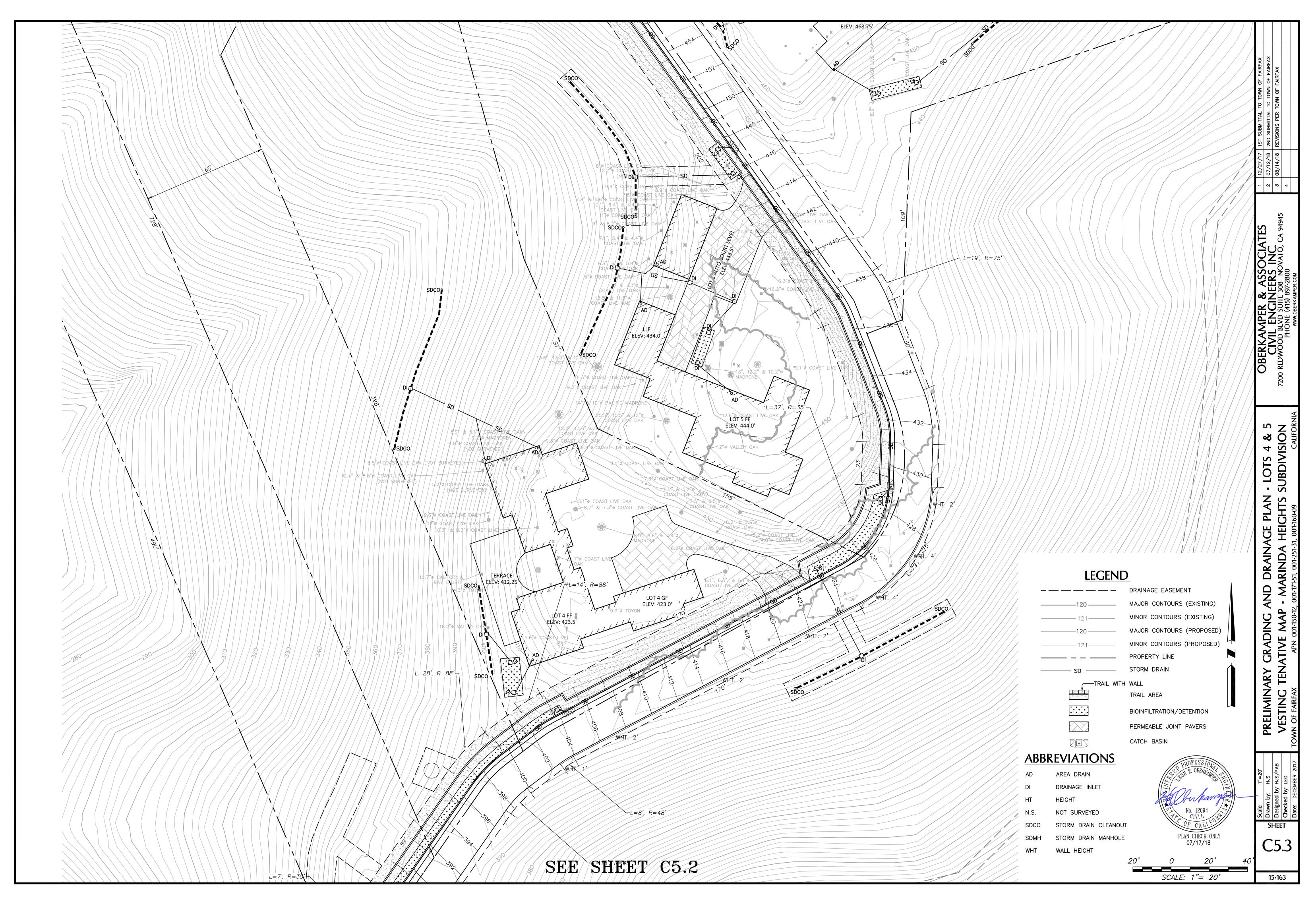




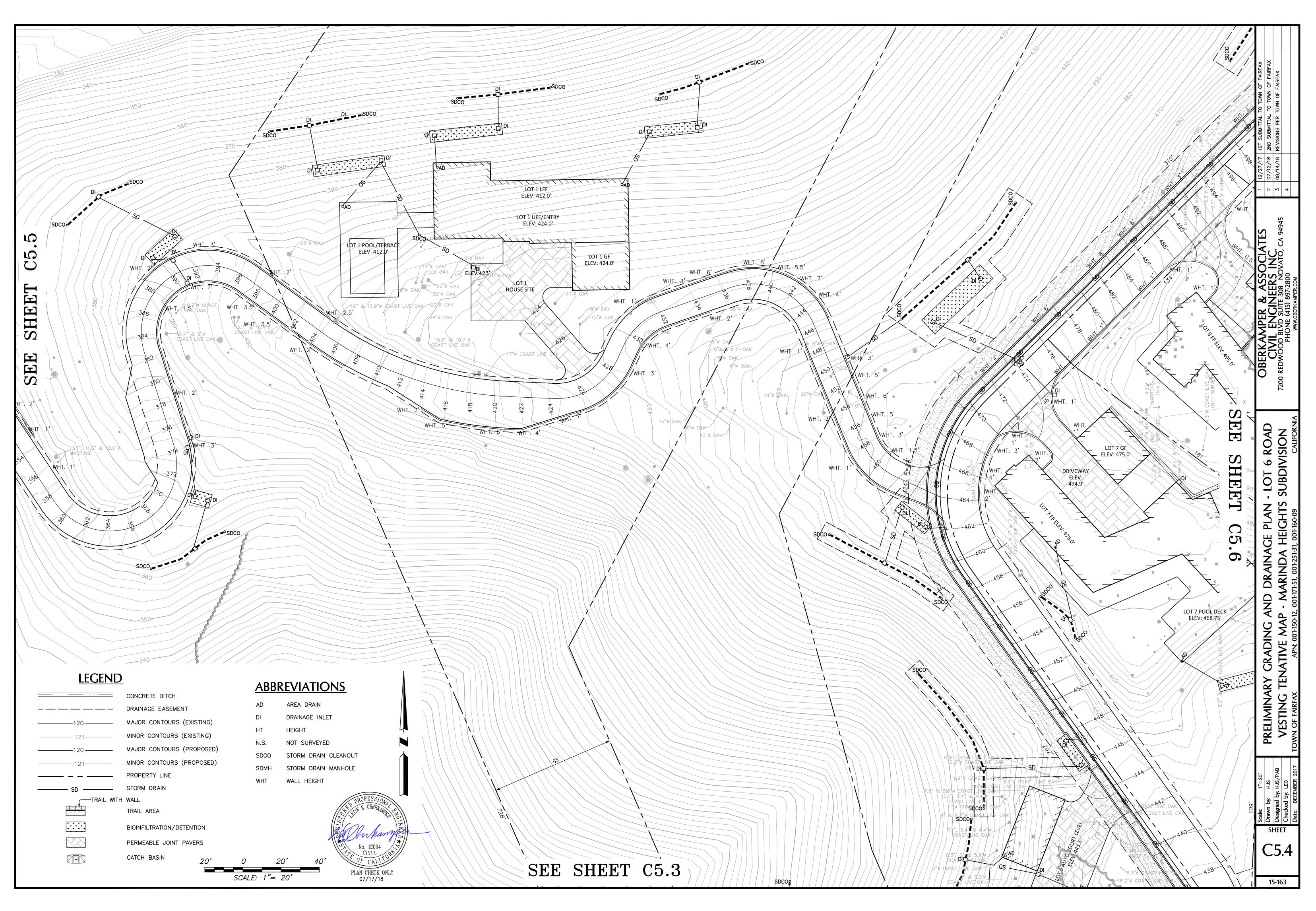
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		OBERKAMPER & ASSOCIATES CIVIL ENGINEERS INC. 7200 REDWOOD BLVD SUITE 308 NOVATO, CA 94945 PHONE: (415) 897-2800 WWW.OBERKAMPER.COM
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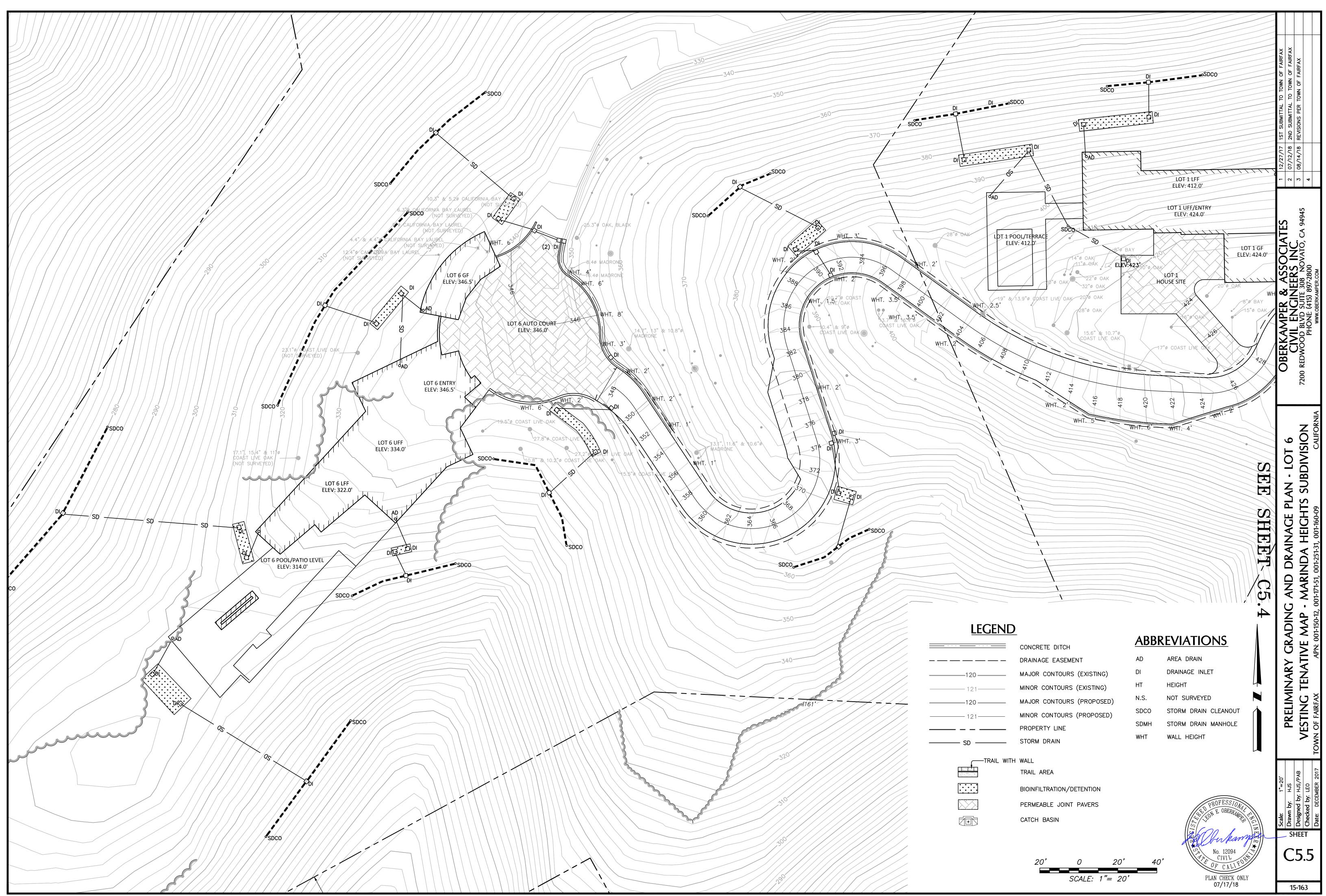
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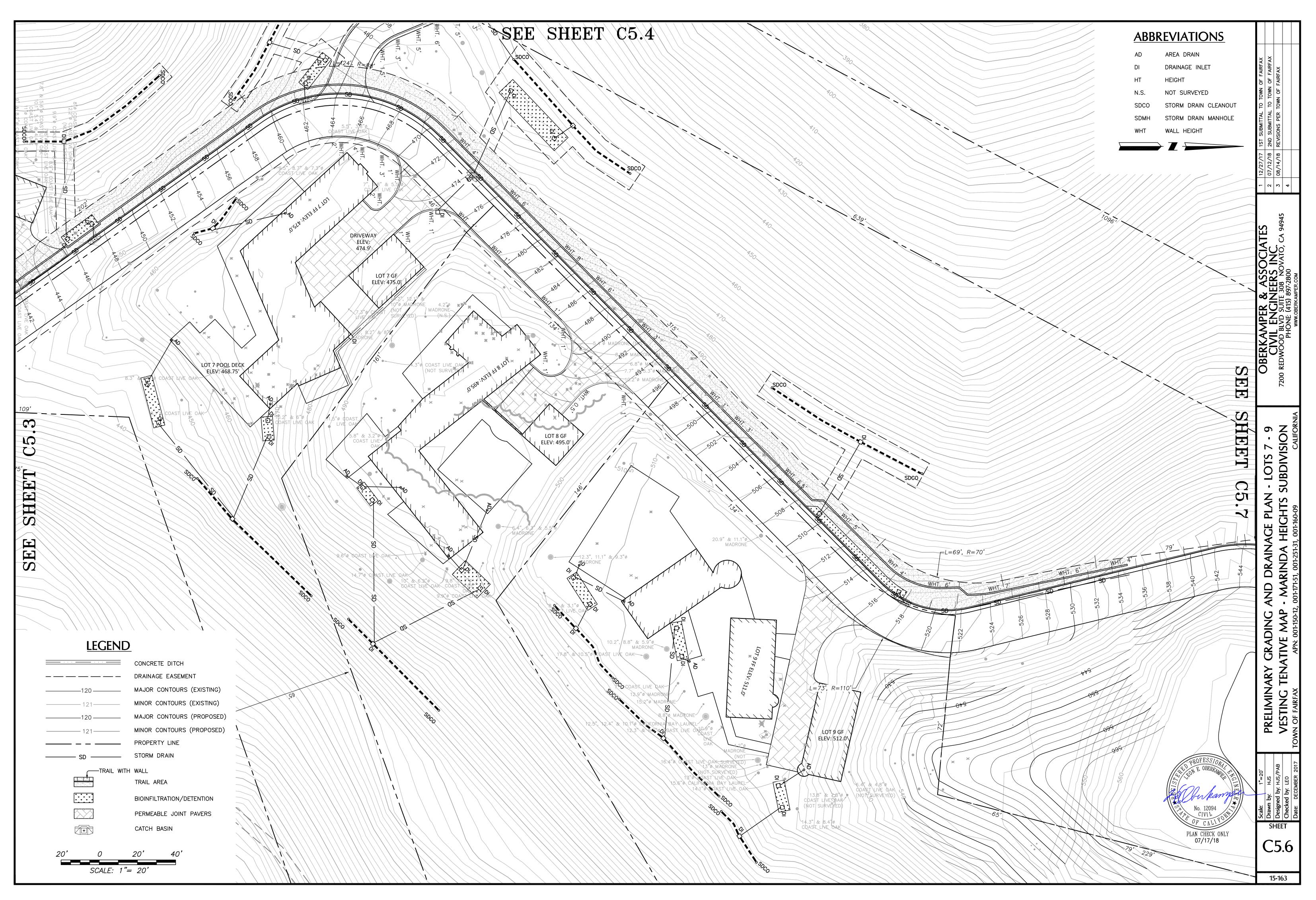


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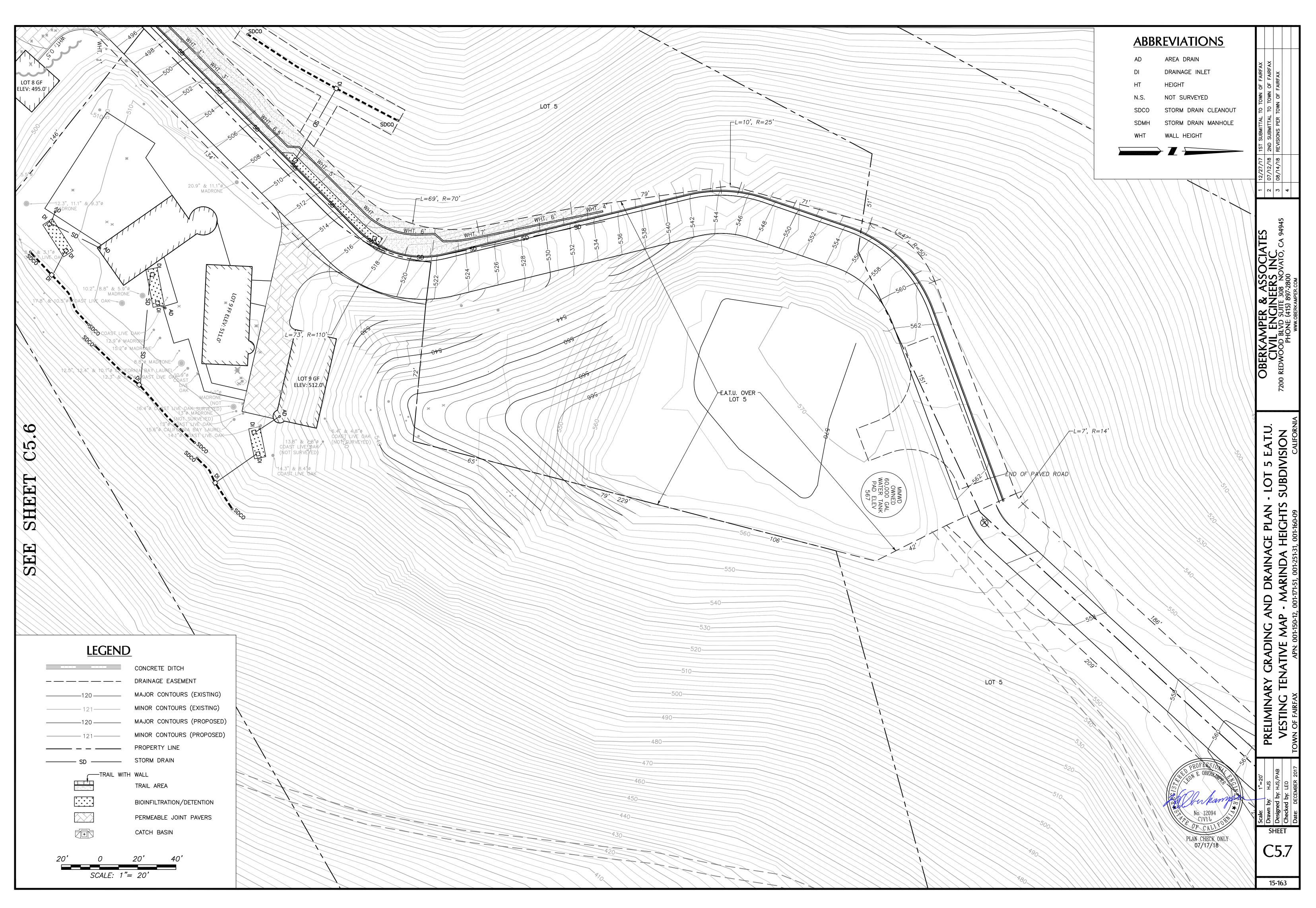


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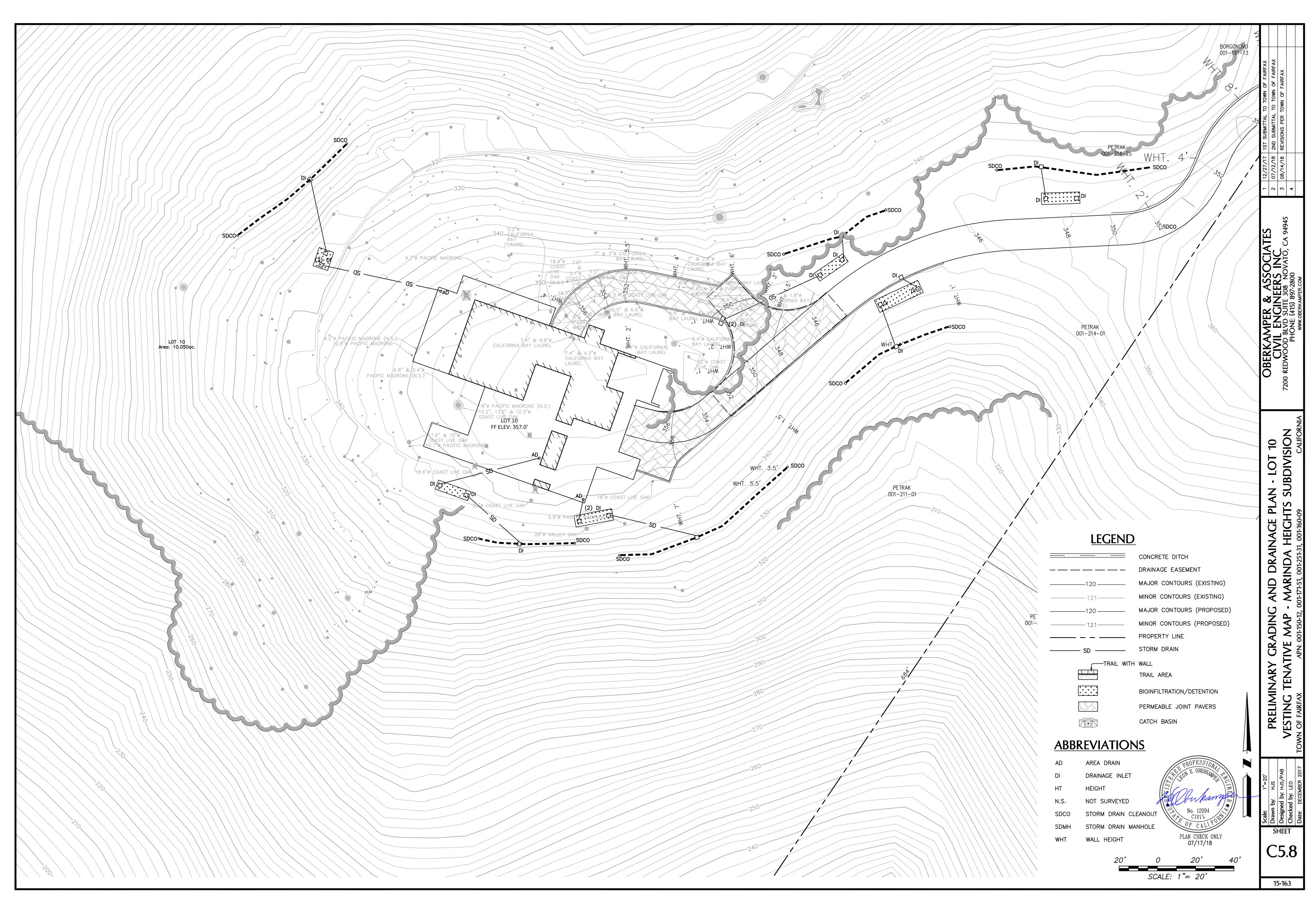




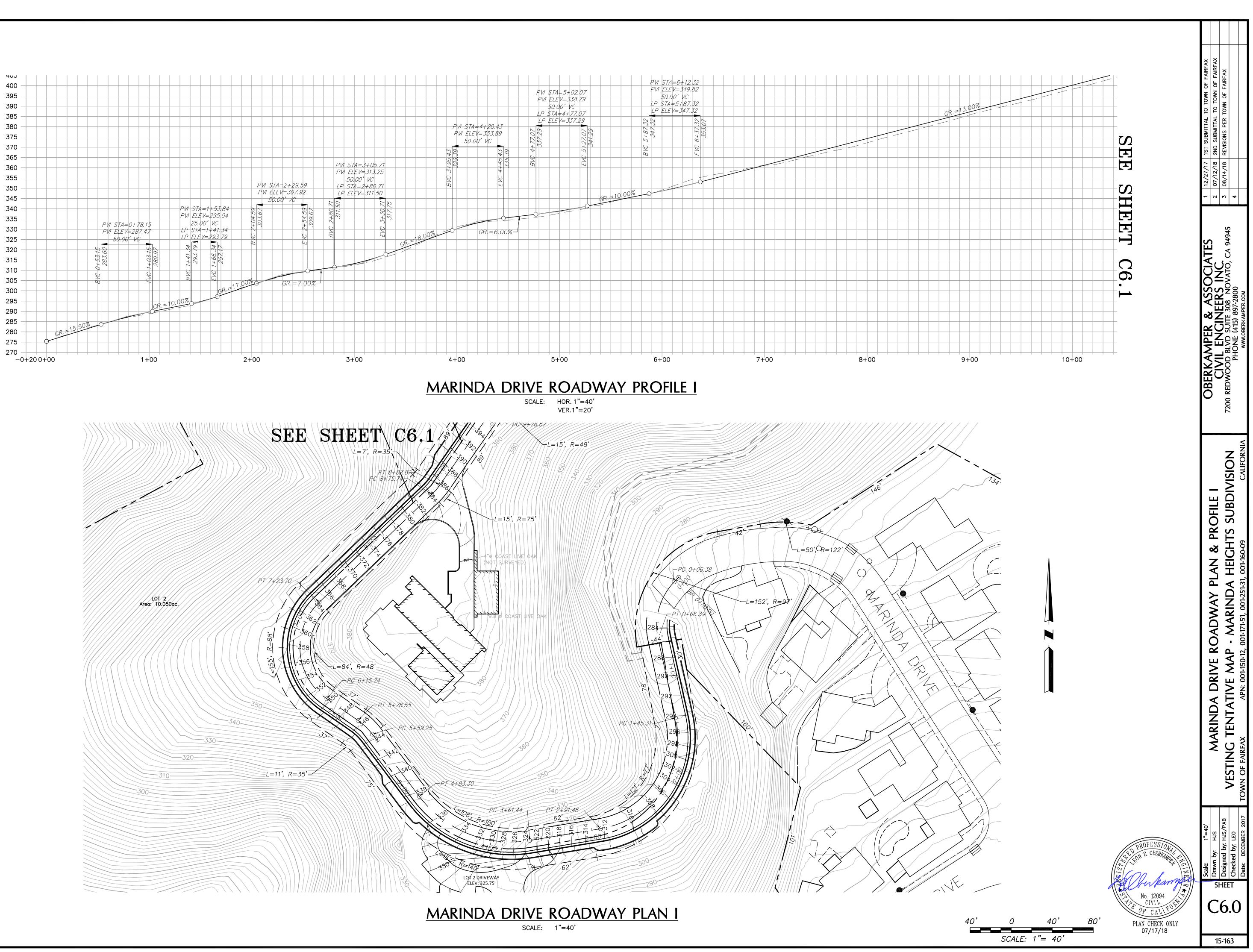
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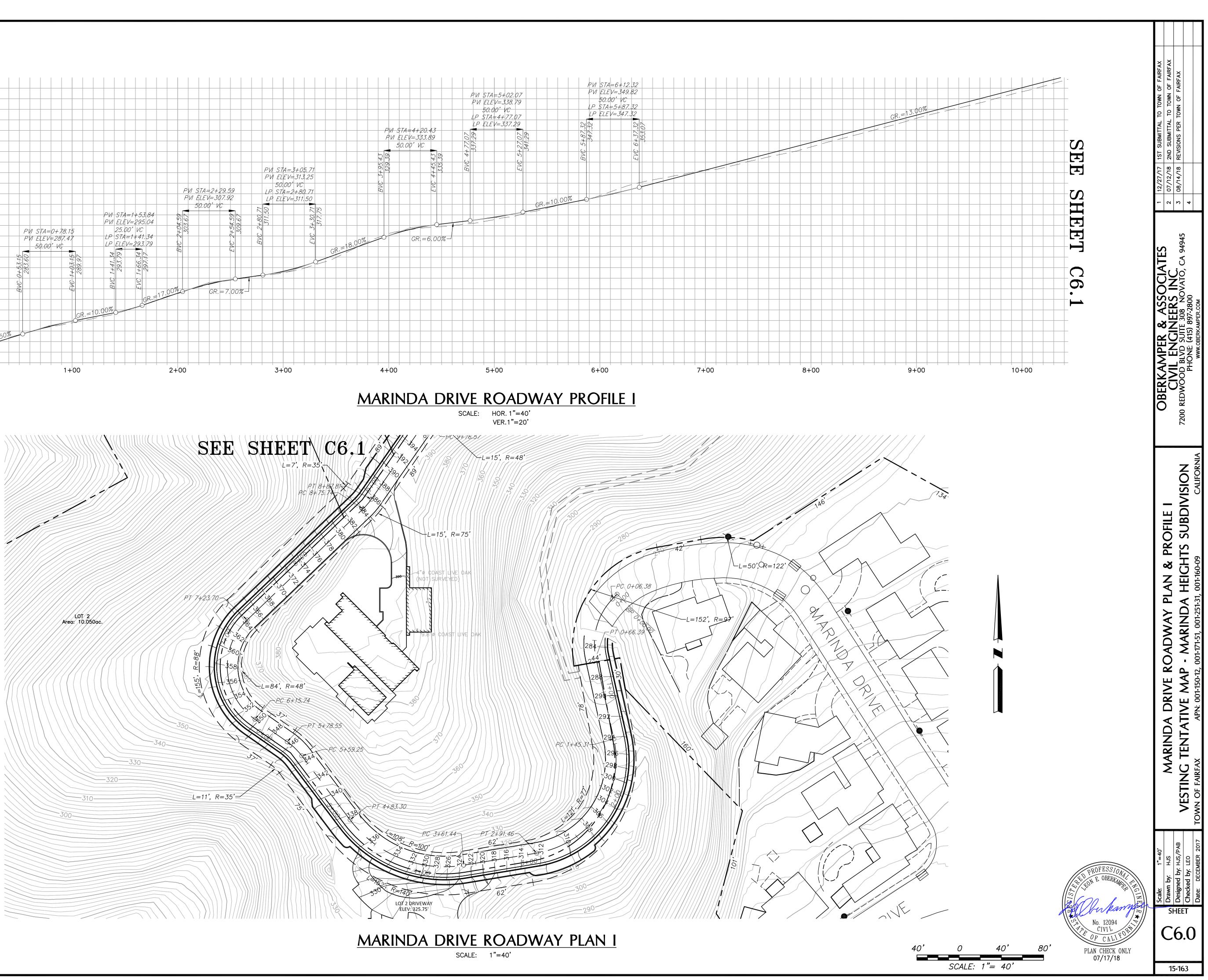


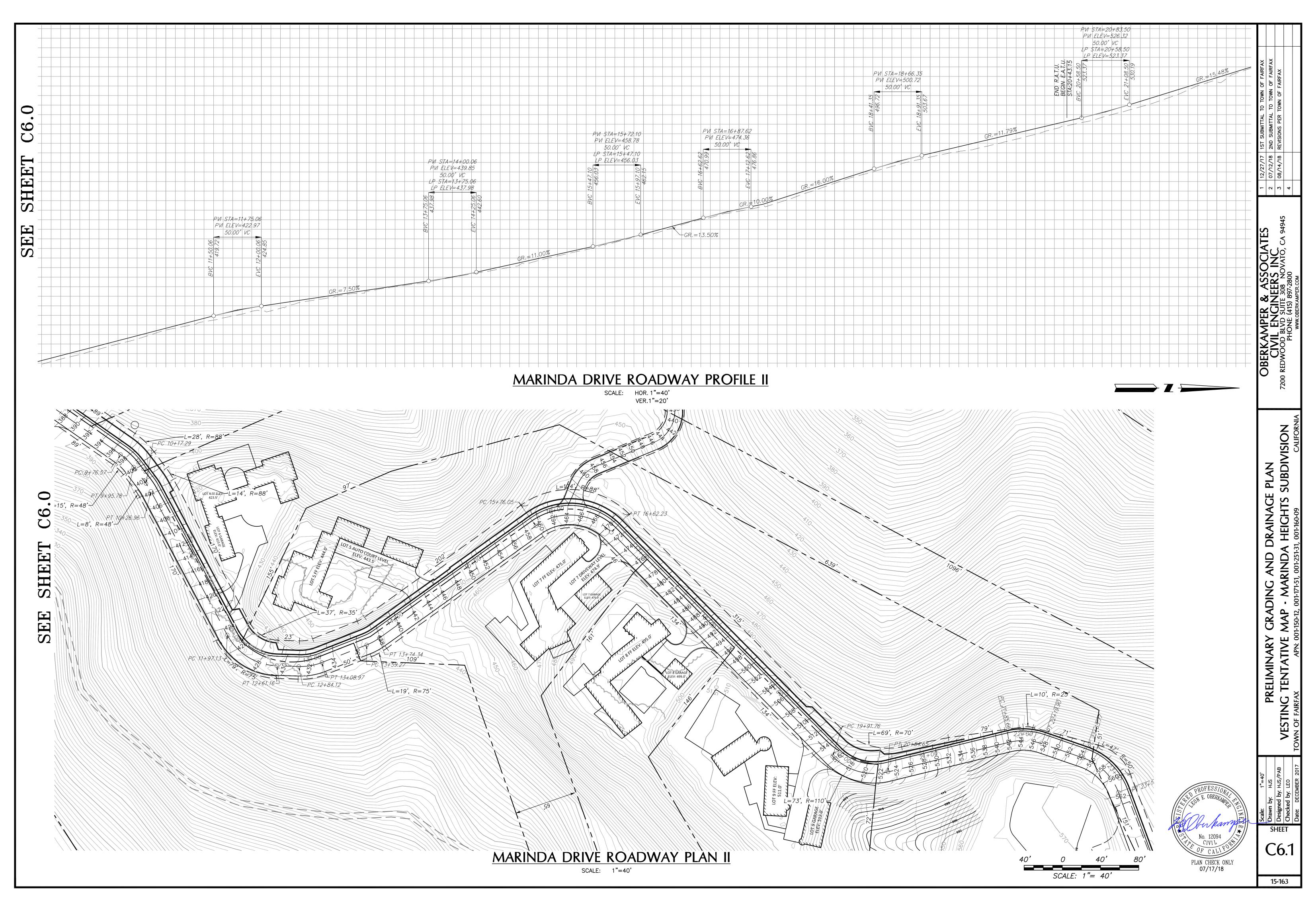
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