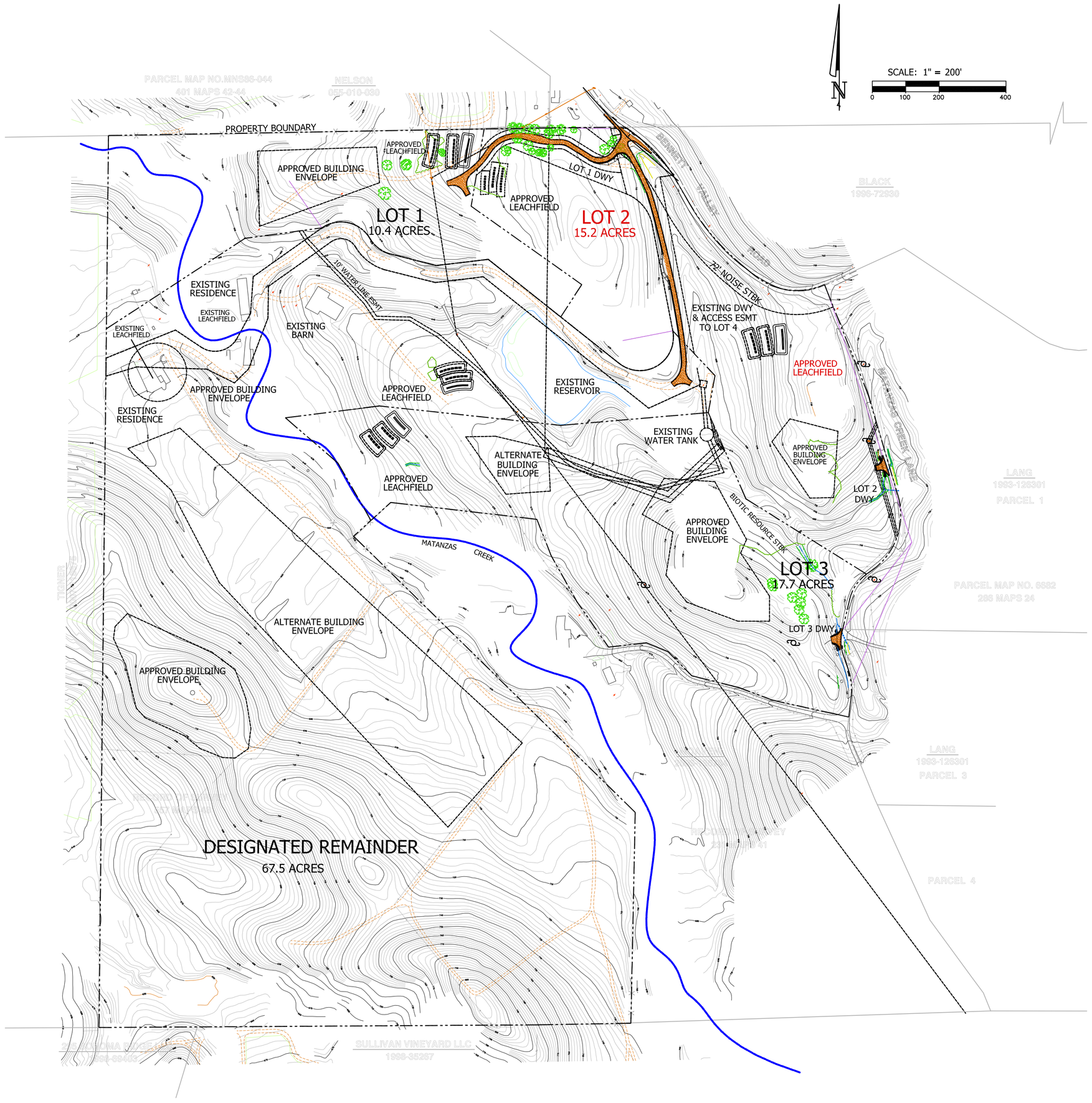


SYMBOL LEGEND

	SET		SET SURVEY CONTROL POINT AS NOTED	GV	GAS VALVE
	SET		FOUND IRON PIPE AS NOTED		SANITARY SEWER MANHOLE (SSMH)
	FOUND	TP	TEST PIT		SANITARY SEWER CLEANOUT (SSCO)
	FOUND	PT	PERC TEST		FIRE HYDRANT
	FOUND SURVEY CONTROL POINT AS NOTED		DIAMETER OF TREE MEASURED AT BREAST HIEGHT		WELL
	FOUND		TOP OF BANK	IP	IRON PIPE
	FOUND 2" BRASS DISK IN MONUMENT WELL		TOE OF BANK	(100' R1)	RECORD DATA PER R1 WHICH DOES NOT AGREE WITH THIS SURVEY
	FOUND		EDGE OF PAVEMENT	R1 & M	RECORD DATA PER R1 AND MEASURED DATA ARE IDENTICAL
	FOUND POST AS NOTED		FENCE LINE	[R]	RADIAL BEARING
	FENCE LINE		CHAIN LINK FENCE	SW	SIDEWALK
IP	IRON PIPE	SS	SANITARY SEWER LINE	PK&S	PK NAIL & SHINER
S.C.R.	SONOMA COUNTY RECORDS	OHL	OVERHEAD LINES	C	CALCULATED
(100' R1)	RECORD DATA PER R1 WHICH DOES NOT AGREE WITH THIS SURVEY		JOINT POLE	ILLEG.	ILLEGIBLE
R1 & M	RECORD DATA PER R1 AND MEASURED DATA ARE IDENTICAL	WM	WATER METER	NT	NOT TAGGED
[R]	RADIAL BEARING	GM	GAS METER	D.I.	DROP INLET
N/S	NAIL & SHINER	WV	WATER VALVE	T.G.	TOP OF GRATE ELEVATION
C	CALCULATED			I.E.	INVERT ELEVATION
ILLEG.	ILLEGIBLE			PM	PARCEL MAP
NT	NOT TAGGED			CMP	CORRUGATED METAL PIPE
C3 L2	CURVE OR LINE TABLE INFORMATION			RCP	REINFORCED CONCRETE PIPE

SURVEY NOTE

THE TOPOGRAPHIC INFORMATION DEPICTED HEREON REPRESENTS A FIELD TOPOGRAPHIC AND BOUNDARY SURVEY COMPLETED BY HOWARD BRUNER PROFESSIONAL LAND SURVEYOR, DATED MARCH, 2008 AND AERIAL TOPOGRAPHIC MAPPING BY HOGAN LAND SERVICES.

COUNTY OF SONOMA DEPARTMENT OF TRANSPORATION AND PUBLIC WORKS BENCHMARK NO. 7 BEING A STANDARD TABLET STAMPED "28 TKM 1941 546". (EL 545.671').

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A MAP MADE BY HOWARD W. BRUNER, PROFESSIONAL LAND SURVEYOR IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYORS ACT AT THE REQUEST OF DAVE CLARK IN MARCH 2008.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE AND/OR FROM INFORMATION OBTAINED FROM UTILITY COMPANIES OR OTHER OUTSIDE SOURCES. THE SURVEYOR ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITIES. CONTRACTORS, DESIGN PROFESSIONALS, OR OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

PROJECT DESCRIPTION

SINGLE-FAMILY RESIDENTIAL SEPTIC SYSTEM FOR LOT 2.

PROPERTY OWNER NOTE

THIS IS AN ENGINEERED SYSTEM WITH COMPLEX COMPONENTS. IT IS STRONGLY RECOMMENDED THAT A SERVICE CONTRACT FOR MAINTENANCE AND MONITORING OF YOUR SYSTEM BE MAINTAINEED FOR THE LIFE OF THE SYSTEM.

CONSTRUCTION NOTES

ALL WORK SHALL COMPLY WITH CURRENT SONOMA COUNTY PRMD, NATIONAL ELECTRICAL CODE AND UNIFORM PLUMBING CODE GUIDLINES.

THIS SYSTEM MUST BE CONSTRUCTED DURING DRY WEATHER. CONSTRUCTION OF THE SYSTEM BETWEEN NOVEMBER 1 AND MAY 1 REQUIRES THE CONTRACTOR TO NOTIFY DESIGNER PRIOR TO BEGINNING WORK. DAMP SOIL WILL CREATE SMEARING AND IMPAIR THE PERFORMANCE OF THE SYSTEM. THE CONTRACTOR SHALL PREVENT INCURSION OF SURFACE WATER INTO LEACHFIELD AND SEPTIC SYSTEM DURING CONSTRUCTION.

NO CUTS, CHANNELS OR DRAINAGE COURSES ARE ALLOWED WITHIN 50 FEET OF THE SEPTIC SYSTEM OR EXPANSION AREA. THE EXISTING SEEPAGE BASIN IS TO BE FILLED AND ANY DRAINAGE RE-ROUTED PRIOR TO CONSTRUCTION OF THIS SYSTEM.

FINISHED GRADING SHALL MINIMIZE SURFACE WATER INCURSION INTO VALVE BOXES AND SYSTEM COMPONENTS AND DIRECT SURFACE FLOW AWAY FROM SYSTEM.

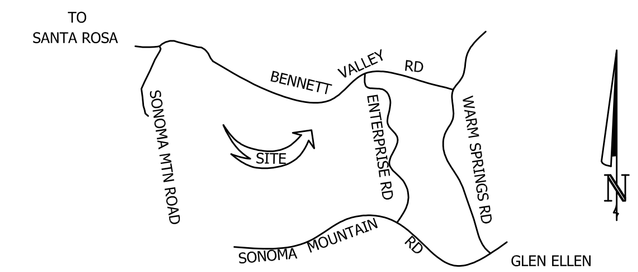
ALL GRADED AREAS AND EXPOSED SOIL SHALL BE SEEDED AND COVERED WITH STRAW AS AN EROSION CONTROL MEASURE PRIOR TO THE ONSET OF THE RAINY SEASON.

ALLOW A MINIMUM OF 1/4" FALL PER LINEAL FOOT IN 3" PIPE BETWEEN HOUSE AND SEPTIC TANK. ALLOW 5 FEET SET BACK BETWEEN SEPTIC TANK AND ANY BUILDING.

ALL SEPTIC TANKS AND SUMP TANKS AS WELL AS TRANSMISSION LINE CROSSING CREEKS MUST PASS A "WATER TIGHTNESS TEST" FOR A PRESSURE DISTRIBUTION SYSTEM. THIS INCLUDES NEW AND FACTORY FITTED TANKS.

THE CONTROL PANEL REQUIRES AN ELECTRICAL PERMIT AND A TELEPHONE LINE. A SEPARATE BREAKER IS NECESSARY FOR THE PUMP AND ALARM SYSTEMS.

THE CONTROL BOX UNIT MAY BE LOCATED DIRECTLY ON THE HOUSE AT LEAST 4 FEET ABOVE GRADE OR ON A 4x4 POST.



VICINITY MAP

NOT TO SCALE

SPECIAL SEPTIC NOTES

MONITORING OF THE SEPTIC AREA ON LOT 3 WILL CONSIST OF DIRECTY WATCHING THE EXCAVATION PROCESS. MONITORING WILL OCCUR DURING THE ENTIRE WORKDAY AND WILL CONTINUE ON A DAILY BASIS UNTIL A DEPTH OF EXCAVATION HAS BEEN REACHED AT WHICH RESOURCES COULD NOT OCCUR OR UNTIL THE MONITORING ARCHAEOLOGIST DETERMINES THAT FULL-TIME ARCHAEOLOGICAL MONITORING COULD BE SCALED BACK TO PART-TIME MONITORING OR SPOT CHECKS. THE DEPTH AT WHICH RESOURCES WOULD NOT OCCUR IS ESTIMATED AS USUALLY ABOUT FIVE FEET BELOW GRADE AT THE BEGINNING OF THE PROJECT, BUT MAY REQUIRE MODIFICATION IN SPECIFIC CASES, AND WILL BE DETERMINED BY THE MONITORING ARCHAEOLOGIST BASED ON OBSERVED SOIL CONDITIONS.

SPOT CHECKS WILL CONSIST OF PARTIAL MONITORING OF THE PROGRESS OF EXCAVATION OVER THE COURSE OF THE PROJECT. DURING SPOT CHECKS ALL SPOILS MATERIAL, OPEN EXCAVATIONS, RECENTLY GRUBBED AREAS, AND OTHER SOIL DISTURBANCES WILL BE INSPECTED. THE FREQUENCY AND DURATION OF SPOT CHECKS WILL BE BASED ON THE RELATIVE SENSITIVITY OF THE EXPOSED SOILS AND ACTIVE WORK AREAS. THE MONITORING ARCHEOLOGIST WILL DETERMINE THE RELATIVE SENSITIVITY.

BASIS OF BEARING

COMPASS BEARING OF N60°W FROM CP-500 TO CP-501.

BENCHMARK

COUNTY OF SONOMA DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS BENCHMARK No. 7. BEING A STAMPED TABLET STAMPED "28 TKM 1941 546".
ELEVATION = 545.671

SHEET INDEX

C1 COVER SHEET
C2 SEPTIC DESIGN - LOT 2
C3 NOTES AND DETAILS
C4 NOTES AND DETAILS

PROJECT INFORMATION

PROJECT ADDRESS:	7170 BENNETT VALLEY ROAD SANTA ROSA, CALIFORNIA
ASSESSORS PARCEL N0.	055-150-006
OWNER/DEVELOPER :	DAVID CLARK 220 AVENUE I REDONDO BEACH, CA 90277
CIVIL ENGINEER :	ENTERRA ASSOCIATES, INC. 1585 TERRACE WAY, #418 SANTA ROSA, CA 95404
LAND SURVEYOR :	HOWARD W. BRUNNER 250 HEALDSBURG AVE., SUITE 201 HEALDSBURG, CA 95448 PH: (707) 433-9760

REGISTERED PROFESSIONAL ENGINEER
RICKARD T. SMITH
No. 60906
Exp. 12/31/10
CIVIL
STATE OF CALIFORNIA

NO.	DATE	REVISION DESCRIPTION	BY	CHK

ENTERRA Associates, Inc.
CONSULTING CIVIL ENGINEERS, PLANNERS & SURVEYORS
1585 TERRACE WAY, #418, SANTA ROSA, CA 95404
• FAX (707) 544-6361 • PH (707) 544-6351 •

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PARCEL MAP MNS05-0044

LOT 2 - SEPTIC DESIGN COVER SHEET

7170 BENNETT VALLEY ROAD
SANTA ROSA, CALIFORNIA
APN 055-150-006

SCALE: 1"=200'

DATE:	9.1.09
DESIGNED BY:	RTS
CHECKED BY:	RTS
JOB NO.:	05.125.00
SHEET NO.:	SS1 OF SS4