E

Type

Plans

SEP16-0330

Permit Number

8190

Street Number

Starr Rd

Street Name

WIN

Community Code

066-210-105

APN

PRMD County of Sonoma

DESIGN CRITERIA:

SITE REVIEW:
A SITE REVIEW WAS CONDUCTED BY ADOBE ASSOCIATES INC. WITH A REPRESENTATIVE FROM THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT ON NOVEMBER 15, 2015.

PERCOLATION TEST:
PERCOLATION TESTS WERE CONDUCTED ON NOVEMBER 25, 2015 BY ADOBE ASSOCIATES INC.

AVERAGE PERCOLATION RATE: 28 (MPI) MINUTES PER INCH @ 24" DEPTH.

SOIL APPLICATION RATE (SAR): 0.573 GAL./SQ. FT/DAY

LINEAR LOADING RATE (LLR): 6 GAL./LINEAR FOOT/DAY PROFILE HOLES A, B, E, AND F
7 GAL./LINEAR FOOT/DAY PROFILE HOLES C, D, AND G

AVERAGE SLOPE: 5%

PLUMBING FIXTURE NOTE:
ALL PLUMBING FIXTURES WITHIN THE RESIDENCE TO BE LOW FLOW WATER SAVING FIXTURES.
A LOW FLOW CREDIT REDUCTION OF 20% IS USED IN THESE CALCULATIONS.

FIVE (5) BEDROOM RESIDENCE

DESIGN CALCULATIONS/FLOWS:
(5 BEDROOMS)(120 GALLONS PER BEDROOM PER DAY) =600 (TOTAL) GALLONS PER DAY.

PRIMARY SYSTEM MOUND SYSTEM TYPE DESIGN: LLR = 6.5 GAL./LF/DAY
1,047 SQUARE FEET (100%) PRIMARY DISPOSAL SYSTEM BASAL AREA REQUIRED.
1,581 SQUARE FEET PRIMARY DISPOSAL SYSTEM BASAL AREA SHOWN.
(TO BE CONSTRUCTED)

RESERVE SYSTEM AT-GRADE SYSTEM TYPE DESIGN: LLR = 7 GAL./LF/DAY PROFILE HOLE C
1,047 SQUARE FEET (100%) RESERVE DISPOSAL SYSTEM BASAL AREA REQUIRED.
1063 SQUARE FEET RESERVE DISPOSAL SYSTEM BASAL AREA SHOWN.
(NOT TO BE CONSTRUCTED)

NOTES

1. NO FOUNDATION AND/OR DRIVEWAY CUTS, AND NO SURFACE OR SUB-SURFACE DRAINS ARE TO BE LOCATED WITHIN 50 FEET DOWNSLOPE OR LATERALLY OF THE PRIMARY OR EXPANSION/REPAIR AREA OF ANY LEACH FIELD. DIRECT DOWNSPOUTS AWAY FROM LEACH FIELD.
2. PLACE UPSLOPE EDGE OF TOPSOIL TO ALLOW FOR POSITIVE DRAINAGE AWAY FROM THE MOUND DISPOSAL FIELD.

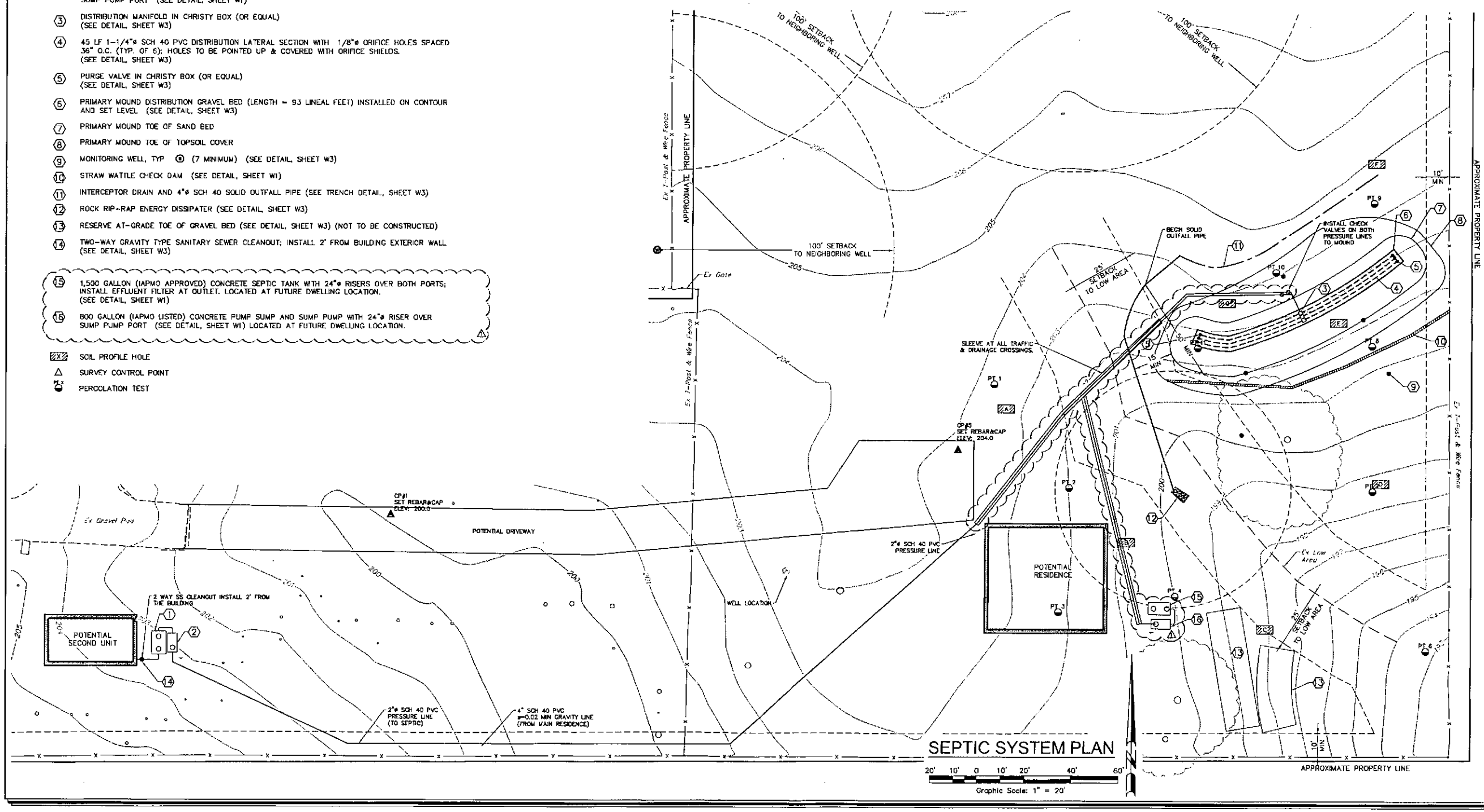
LEGEND

1. 1,500 GALLON (IAPMO APPROVED) CONCRETE SEPTIC TANK WITH 24"ø RISERS OVER BOTH PORTS; INSTALL EFFLUENT FILTER AT OUTLET (SEE DETAIL, SHEET W1)
2. 800 GALLON (IAPMO LISTED) CONCRETE PUMP SUMP AND SUMP PUMP WITH 24"ø RISER OVER SUMP PUMP PORT (SEE DETAIL, SHEET W1)
3. DISTRIBUTION MANIFOLD IN CHRISTY BOX (OR EQUAL) (SEE DETAIL, SHEET W3)
4. 45 LF 1-1/4"ø SCH 40 PVC DISTRIBUTION LATERAL SECTION WITH 1/8"ø ORIFICE HOLES SPACED 36" O.C. (TYP. OF 6); HOLES TO BE POINTED UP & COVERED WITH ORIFICE SHIELDS. (SEE DETAIL, SHEET W3)
5. PURGE VALVE IN CHRISTY BOX (OR EQUAL) (SEE DETAIL, SHEET W3)
6. PRIMARY MOUND DISTRIBUTION GRAVEL BED (LENGTH = 93 LINEAL FEET) INSTALLED ON CONTOUR AND SET LEVEL (SEE DETAIL, SHEET W3)
7. PRIMARY MOUND TOE OF SAND BED
8. PRIMARY MOUND TOE OF TOPSOIL COVER
9. MONITORING WELL, TYP ⊙ (7 MINIMUM) (SEE DETAIL, SHEET W3)
10. STRAW WATTLE CHECK DAM (SEE DETAIL, SHEET W1)
11. INTERCEPTOR DRAIN AND 4"ø SCH 40 SOLID OUTFALL PIPE (SEE TRENCH DETAIL, SHEET W3)
12. ROCK RIP-RAP ENERGY DISSIPATER (SEE DETAIL, SHEET W3)
13. RESERVE AT-GRADE TOE OF GRAVEL BED (SEE DETAIL, SHEET W3) (NOT TO BE CONSTRUCTED)
14. TWO-WAY GRAVITY TYPE SANITARY SEWER CLEANOUT; INSTALL 2' FROM BUILDING EXTERIOR WALL (SEE DETAIL, SHEET W3)
15. 1,500 GALLON (IAPMO APPROVED) CONCRETE SEPTIC TANK WITH 24"ø RISERS OVER BOTH PORTS; INSTALL EFFLUENT FILTER AT OUTLET. LOCATED AT FUTURE DWELLING LOCATION. (SEE DETAIL, SHEET W1)
16. 800 GALLON (IAPMO LISTED) CONCRETE PUMP SUMP AND SUMP PUMP WITH 24"ø RISER OVER SUMP PUMP PORT (SEE DETAIL, SHEET W1) LOCATED AT FUTURE DWELLING LOCATION.

SOIL PROFILE HOLE

△ SURVEY CONTROL POINT

PT 5 PERCOLATION TEST



SEPTIC SYSTEM PLAN

Revisions			
No.	Date	Description	Approved
1	2/12/18	NEW TANKS	

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"A Service You Can Count On!"

Steven R. Brown, RCE 43825
My License Expires 6/30/2017

MOUND TYPE PRIVATE
SEWAGE DISPOSAL SYSTEM
SEPTIC SYSTEM PLAN
8190 Starr Road
Windsor, California
APN 066-210-105

ASBUILT

SCALE: AS NOTED
Date: FEBRUARY 12, 2018
Design by: MDE
Drawn by: MOE
Checked by: GMS

Sheet
W2
of 3 Sheets
Job 15283