



Soil Mantle Observation:

Developer: Belza Development Corp.Job No.: 01404Location: Peoria Ridge Subdivision, Phase IVTest Date: 6/22/01Browns Valley, CADomestic Water: Proposed WellParcel No.: Lot 56

Depth	Texture	Color	Structure	Consistency	Moist	Roots	% Rocks
0" - 17"	CL	Red - Brwn	SAB	Fr	Dr	Yes	2%
17" - 32"	CL	Red - Brwn	B	F	Dr	Few	5%
32" - 36"	C-DPM	Yellow-Brwn	B	F	Dr	Few	10%
36" - 60"	Fractured Rock	Mixed	B	H	Dr	Few	25%

Comments: Based on the mantle, the recommended system is a pressure dosed system for soil absorption,
and a sand filter for pre-treatment, as long as the percolation rates meet Yuba County Standards.
Percolation testing at 12" and 30" depth will be preformed for design purposes.

Ground Water: None encounteredAvg. Slope: 5% to the westRock Outcrop: SporadicWells: Proposed WellVegetation: Native grasses with Oaks & PinesStructures: NoneStream/Pond: Seasonal SwellPreformed By: M. Johnson

Abbreviations::

USDA Texture: Gravel= G, Sand= S, Loamy Sand= LS, Sandy Loam= SL, Sandy Clay Loam= SCL, Sandy Clay= SC
 Silt Loam= SIL, Loam= L, Clay Loam= CL, Silty Clay Loam= SIL, Clay= C, Decomposed Granite= DG
 Structure: Granular= G, Platy= P, Blocky= B, Prismatic= PR, Massive= M, Columnar= C, Subangular Blocky= SB



Percolation Test Field Data:

Developer: Belza Development Corp.Job No.: 01404Location: Peoria Ridge Subdivision, Phase IVTest Date: 7/6/01Browns Valley, CADomestic Water: Proposed WellParcel No.: Lot 56

Perc Hole : <u>2</u> Depth: <u>12</u> in.			Perc Hole : <u>3</u> Depth: <u>12</u> in.			Perc Hole : <u>4</u> Depth: <u>12</u> in.		
Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)
2:05	8	---	2:07	9 4/16	---	2:08	8 8/16	---
2:35	8	5 10/16	2:37	8	7 8/16	2:38	8	6 4/16
3:05	8	5 8/16	3:07	8	6 8/16	3:08	8	6 4/16
3:35	8	5 12/16	3:37	8	6 8/16	3:38	8	6 6/16
4:05	8	5 14/16	4:07	8	6 10/16	4:08	8	6 8/16
4:35	8	6	4:37	8	6 10/16	4:38	8	6 8/16
5:05	8	6	5:07	8	6 10/16	5:08	8	6 8/16
5:35	8	6	5:37	8	6 10/16	5:38	8	6 8/16
6:05	---	6	6:07	---	6 10/16	6:08	---	6 8/16
	15.0	min/in		21.8	min/in		20.0	min/in

AVERAGE PERCOLATION RATE: 19 MIN/IN

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE STATEMENTS MADE ABOVE ARE TRUE AND CORRECT AND THAT THE ABOVE PERCOLATION TESTS WERE DONE IN ACCORDANCE WITH THE INSTRUCTIONS AND THE RESULTS RECORDED ARE TRUE AND CORRECT.

Dan Newton
SIGNATURE OF REGISTERED PERSON

Dan Newton

PERSON CONDUCTING TEST



EQUA ENGINEERING

CCL 449103
RCE 58132**Percolation Test Field Data:**Developer: Belza Development Corp.Job No.: 01404Location: Peoria Ridge Subdivision, Phase IVTest Date: 7/6/01Browns Valley, CADomestic Water: Proposed WellParcel No.: Lot 56

Perc Hole : <u>1</u> Depth: <u>30</u> in.			Perc Hole : <u>5</u> Depth: <u>30</u> in.			Perc Hole : <u>6</u> Depth: <u>30</u> in.		
Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)	Time	6" Fill (inch)	Ending (inch)
2:05	4	---	2:07	5 10/16	---	2:08	7 6/16	---
2:35	4 8/16	3 8/16	2:37	5 10/16	3 4/16	2:38	7 6/16	6 2/16
3:05	4 8/16	4	3:07	5 10/16	4	3:08	7 6/16	6 8/16
3:35	4 8/16	4 2/16	3:37	5 10/16	4 8/16	3:38	7 6/16	6 12/16
4:05	4 8/16	4 2/16	4:07	5 10/16	4 14/16	4:08	7 6/16	6 14/16
4:35	4 8/16	4 4/16	4:37	5 10/16	5	4:38	7 6/16	7
5:05	4 8/16	4 4/16	5:07	5 10/16	5	5:08	7 6/16	7
5:35	4 8/16	4 4/16	5:37	5 10/16	5	5:38	7 6/16	7
6:05	---	4 4/16	6:07	---	5	6:08	-----	7
	120.0	min/in		48.0	min/in		80.0	min/in

AVERAGE PERCOLATION RATE: 83 MIN/IN

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE STATEMENTS MADE ABOVE ARE TRUE AND CORRECT AND THAT THE ABOVE PERCOLATION TESTS WERE DONE IN ACCORDANCE WITH THE INSTRUCTIONS AND THE RESULTS RECORDED ARE TRUE AND CORRECT.

Don Blewett

ENVIRONMENTAL HEALTH DEPARTMENT
SOIL MANTLE REPORTN 27 14 40.0
W 121 22 12.1Owner/Developer BelzaSite Location _____ TPM/TSTM No. Phase IVDate 7/13/01 (2) APN _____ Parcel No. 54 560 to 17 Texture C.L. Structure BL SABMottles no Roots yesPores many Color rd/brn17 to 32 Texture Heavier C.L. Structure BL → massiveMottles redox Roots fewPores restrictive Color rd/brn32 to 36 Texture Clay / DPM Structure _____

Mottles _____ Roots _____

Pores _____ Color mixed36 to _____ Texture Fr Rock Structure _____

Mottles _____ Roots _____

Pores _____ Color _____

Comments Znd mantle similarGround Water _____ Avg. Site Slope 5% Rock Outcrop _____

Wells _____ Stream/Pond _____

Vegetation _____ Structures/Improvements _____

The findings of the mantle observed this date support the need for installation of a sewage treatment and disposal system as described below:

S.F. due to shallow soils - effective soil
depth 36"S. J. Stanley
Signature of Yuba Co. EHS.10-29-02
Date

Signature of Design Professional

Date

EXHIBIT PLAT "E-12"
PARCEL MAP NO. 90-512
SEWAGE DISPOSAL SITE
PARCEL 56

P# = Percolation Hole
O = Approved Mantle
X = Non-Approved Mantle

