

Well Construction Details

Top of PVC Casing
Elev. 624.23 ft.

GROUND SURFACE

6" DIA BOREHOLE: 0 to 58 ft.

2" DIA. SCH 40 PVC CASING: +1.8 to 31 ft.

BENTONITE-CEMENT SEAL: 0 to 24 ft.

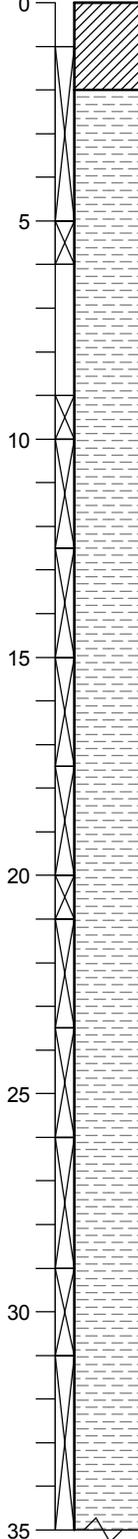
BENTONITE PELLET SEAL: 24 to 28 ft.

MEDIUM AQUARIUM SANDPACK: 21 to 58 ft.

Recovery (inches)
PID Reading (ppm)

| | |
|----|----|
| 48 | |
| 12 | 0 |
| 12 | |
| 30 | |
| 30 | 0 |
| 30 | |
| 30 | 0 |
| 30 | |
| 30 | 0 |
| 12 | 12 |
| 12 | 25 |
| 30 | |
| 12 | |
| 30 | |
| 30 | 10 |
| 36 | |
| 24 | |
| 60 | 0 |

Depth (ft.)
Sample



Date 9/25/06
Driller Air Rotary
Drilling Method Air Rotary
Sampler Continuous Core
Hammer Weight NA Drop NA
Logged by _____ Datum _____
Surface Elevation 622.45 Hole Dia. 6 in.
Northing 506304.6485 Easting 1236528.262

Gray Lean Clay (CL) (2.5Y 6/1) Soft, dry, 80% clay, 10% fine sand, 10% silt

Light Yellowish Brown Weathered Claystone (2.5Y 6/3) Platy/shaly, moderately fractured, moderately hard, weak, moderately weathered, oxidation staining along bedding planes

@11 ft.: Oxidation staining along fractures and bedding planes

@13 ft.: Change to grayish brown (2.5Y 5/2) Moderately fractured, moderately hard, moderately strong, moderately weathered. Horizontal fracture at 13 ft.

@14.8-15.2 ft.: Vertical fracture

@16.7-17.1 ft.: Vertical fracture

@18 ft.: Intensely fractured

@19.7-20.2 ft.: Vertical fracture

@20.7-21.1 ft.: Vertical fracture

@26 ft.: Intensely fractured, abundant oxidation staining along fractures and bedding planes, vertical fracture from 26 to 31 ft.

@33 ft.: Moderately fractured, moderately strong, moderately hard, moderately weathered

BORING_WELL2_CASMALIA.RIFS.GPJ_GEOL.GDT 12/13/10

Well Construction Details and Log of Boring RIPZ-30

Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

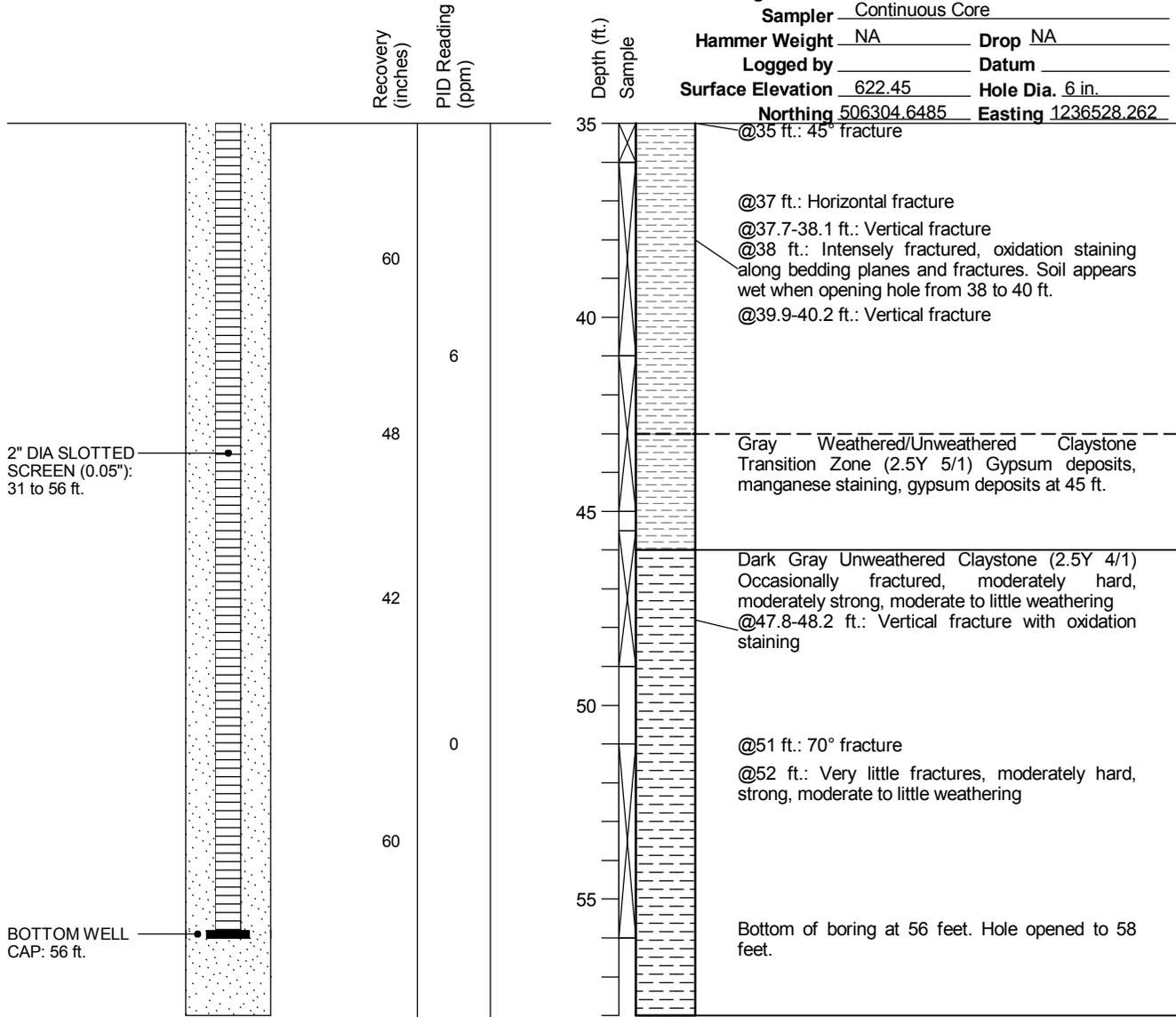
PLATE

E9-39

| | | | | | |
|-------|------------|---------|------------|----------|-------------|
| DRAWN | JOB NUMBER | CHECKED | CHK'D DATE | APPROVED | APPR'V DATE |
| WJF | 4088097619 | WJF | 1/11 | WBC | 1/11 |

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PLATE

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