APPENDIX B

TEST PITS
APPENDIX B

TEST PITS

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APPENDIX B
TEST PITS

B.1 TEST PIT FIELDWORK

Shannon & Wilson observed two test pits, designated SW-TP-1 though SW-TP-8, on November 5 and 6, 2013. The test pits were excavated to observe the ground crack and rock below ground surface and the stability in this area. The approximate locations are shown in Figure 3. The excavation and backfilling were completed by John S. Meek Construction, under subcontract to Hayward Baker, Inc (HBI).

The test pits were excavated to depths between 10 and 12 feet below the existing grade by using a long-reach backhoe. The pits were backfilled with flowable cement/concrete.

The rock and geologic features encountered were logged by our field representative. The logs of the pits are presented in Figures B-1 and B-2.
SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

LOG OF TEST PIT TP-1

SOIL DESCRIPTION

1. **Bedrock: Monterey Formation**
   Sandstone; light yellowish gray, fine grained; well bedded to laminated; medium hard; dry; larosite staining.

2. Siltstone; light grayish brown, Stiff and hard; dry; trace clay along laminations.

3. Fracture 1½ to 2½ in. horizontal separation, <¼ in. vertical offset, backfilled with terrace deposit materials; with roots down to 2½ ft. below cut pad; fracture open below 2½ ft; strike N67°W, 85°SW.

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JOB NO: 51-1-10079-033   DATE: 11/6/2013   LOCATION: Paseo Del Mar
PROJECT: White Point Landslide - Construction Cut Pad

Sketch of **East** Pit Side

Surface Elevation: Approx. 110 Ft.

Horizontal Distance in Feet

Depth, Ft.

0  5  10  15  20  25  30

0  5  10  15  20  25  30

Bottom of Cut Slope

Bedding N60°W 14°SW

Construction Bench

Initial Trench Depth

Apparent (?) offset of soil along contact between units 1 and 2. Fracture widens to 3 in. at depth below 5.5 ft. Backfilled with soil derived from terrace deposits approx. 1/2in. "normal" down drop at 8 ft. below surface based on apparent offset of bedding.

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FIG. B-1
**SHANNON & WILSON, INC.**
Geotechnical and Environmental Consultants

**LOG OF TEST PIT TP-2**

**SOIL DESCRIPTION**

1. **Bedrock: Monterey Formation**
   Sandy Siltstone; light orangish brown; medium stiff, dry; fine grained sand; well bedded; fractured.

2. Clayey Sandstone; light to medium gray, moderately soft; moist; fine sand with clay; well bedded to laminated.

3. Silty to Clayey Sandstone; brown; medium hard; moist; well bedded.

4. Fracture ½ in to 2½ ft wide fracture zone, backfilled with terrace deposit derived soil, apparent offset at 2.5 ft below surface; open along bottom of initial trench at 4.5 ft below surface; no roots observed.

**Sketch of East Pit Side**
- **Surface Elevation:** Approx. 110 Ft.
- **Horizontal Distance in Feet:**
  - 0 5 10 15 20 25 30
- **Construction Bench**
- **Bedding N49°W 17°SW**
- **Fracture N79°W, 86°SW**
- **Initial Trench Depth**
- **Fracture Zone up to 2.5 ft Wide**