

# Mitigation Plan for Eaglepointe Landslide

August 5, 2014

## Emergency Measures (24-48 Hours):

1. Control measures at top to limit/prevent water from additional storms from entering slide area
  - a. Build small berm at Eaglepointe Phases 18/19 (Pace Lane) –to limit additional loading
  - b. Grade out existing dirt along future road to remove low spots and encourage drainage
  - c. Visquene or other material to aid in movement of water onto asphalt road surface - direct into existing storm drain
  - d. Smooth out top of slide area to minimize concentration of water entering slide area (NO equipment past edge of road at Pace Lane)
2. Warn residents and recommend they do not stay in homes. We fully anticipate additional movement, and although it's not likely to be dangerously fast, it is possible.
3. Warn upper residents about additional movement. A 50' scarp could result in an additional 50' horizontal gap at the top.
4. Keep someone on site around the clock (police, fire, public works, or combination) to monitor and watch for additional movement
5. Keep road closed until some type of mitigation has occurred. It is critical the road is not congested with observers
6. Remove top of knob directly behind home next to demolished home to remove pressure
7. Turn off water if homes are evacuated and ensure that exterior water remains off at the home on the top section.

## What NOT to do:

- A. Do not demolish home
- B. Do not remove any material from the toe of the slope
- C. No clean-up until the slope is considered stabilized (i.e. no movement for several days, no rain for several days, additional considerations as study continues)
- D. No heavy equipment on top

## Short Term:

1. Watch and check survey monument(s) several times per day
2. Install inclinometers and piezometers as soon as we can possibly get them in
3. Wait for several days of dry weather before any action on the slide mass is even considered
4. Proper engineering study should be done in an expedited manner so we can consider an appropriate permanent solution

Long Term:

1. All final recommendations will be dependent upon study referred to in short term mitigation act. This is an extremely complicated slide, and there is evidence of potential geologic faults or materials changes which require additional study. It is impossible to determine the solution or make recommendations until we have a clear understanding of what we are dealing with and how it may continue to move.
2. Solutions may involve removing the road in the upper location to allow a 1:1 grade for stabilization of the scarp, and we should be prepared to lose some of the road.
3. Final plans should be to stabilize the slide mass with grading and drainage which will require an extensive engineering study and plan. This should not be undertaken without City input as to the appropriate person(s) to perform the study.