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## ENGINEER'S CONSTRUCTION OBSERVATION REPORT

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Project: Queen's Gap	Project Number: 2013-002	
Contractor: Site Development Corporation	Contact at Site: J. Worley/ R. Connor	
Date: 03/28/2016	Time of Arrival	Weather Conditions: Workable soils.
Notice to Proceed:	Substantial Completion Date:	
Previous Rain Days:	Previous Substantial Completion Date:	
Rain Days Since Last Report:	Total Rain Days:	Current Substantial Completion Date:

### Observations & Notes:

Site inspection for Project 3 and 5 areas.

Project 3 – Slope stabilization efforts near lot 46 remain in the same condition as the previous reports. Rip-rap armor has been placed on the lower portions of the slope areas, re-vegetation by seeding, mulching and/or matting should be provided above the rip-rap to stabilize the areas. Slope repairs will be monitored.

Project 5 - Eamon Drive road construction was inspected. Site Development Corp. has made field adjustments to road alignment and drainage plans for Eamon Drive. The following performance reservations apply to the work performed by Site Development Corporation. 1) All roadway paving improvements are required to be located within the platted right-of-way. 2) The final road construction at the intersection of Devin Ridge Road and Eamon Drive shall provide positive drainage. 3) The fill embankment as constructed shall provide roadway stability and is shall be fully re-vegetated and permanently stabilized.

Erosion control maintenance remains to be completed by Site Development Corp. including; removal of sediment accumulations at catch basins and ditchlines. Maintenance is required on rock check dams, wattles and drop inlet protection. Rolled erosion control matting is not installed correctly in areas and should be re-worked to make contact with the soil and be keyed into top of slopes. Re-vegetation of all denuded areas remains to be completed. Re-vegetate ditchlines in areas that are spare or where vegetation has not been established.

NCDEQ (DLR) comments: Erosion control maintenance is required in Project 1 & 2 areas. Repairs including but are not limited to: ditch line rock check dams, wattles and matting materials, sediment fence, inlet protection, road bed maintenance, slope repairs and re-vegetation. These work items will be addressed by Dalziel Enterprises and the work is occurring at time of inspection.

NCDEQ - Division of Water Resources comments: Remove slope drain entering the stream at the box culvert location. Restoration and site cleanup was requested at the intersection of the main roadway and soil side road – located in Project 1 area. The culvert pipe in the soil road was obstructed with soil material and the stream has re-routed to a roadside ditch line. Mr. Fox (DWR) asked for the stream to be restored to original route and the area stabilized. No work to be performed in the wetland area.

Reported by: Wayne Watkins, CPESC



Eamon Drive road construction – see performance reservations noted in report.



Slope repairs in project 3 area.



Slope too steep to provide a vegetative groundcover. Rolled erosion control product is incorrectly installed.



Drop inlet protection, rock check dam and wattle construction and channel maintenance required. Re-vegetation is required in the channel areas. Typical project wide.



Project 3 ditchline repairs required.



Project 3 area slope and ditchline repairs required.



Project 3 ditchline repairs required.



Project 5 embankment and ditchline repairs required.