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ENGINEER'S CONSTRUCTION OBSERVATION REPORT

Project: Queen's Gap	Project Number: 2013-002	
Contractor: Site Development Corporation	Contact at Site: Jim Worley	
Date: 03/03/2016	Time of Arrival	Weather Conditions: Wet soils, workable.
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 2, 3 and 5 areas.

Project 3 - Slumps to be removed and then stabilize the areas by seeding, mulching and matting. Portions of the work area will be armored with rip-rap. Engineering revision has been submitted to NCDEQ for slope repairs. ***Site Development to complete the work.***

Project 2 - Stabilization to be performed at the location of the main roadway and short cul-de-sac in Project 2 area by Dalziel Enterprises. Sediment removal at Inlet structures, ditch stabilization and re-vegetation of areas not previously stabilized to be performed. The work is associated with the latest storm damage and heavy rainfall. ***Scheduled by Dalziel.***

Project 5 - Work is progressing on Eamon Drive road. Contractor is working on the new road alignment. ***Site Development to have the proposed worked staked by the survey crew for correct road location, elevations, correct slope heights and lengths and correct storm drainage pipe and inlet structure locations.***

The remainder of the project was inspected for NCG010000 monitoring. **Erosion control maintenance is required project wide (Required by NCDEQ) including but 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 items have been discussed on-site and have been noted in the inspection reports for several months. Site Development Corporation should respond to the request for corrective action.

Per Division of Water Resources, the following items need to be addressed: *(Same as previous reports – remains unresolved).*

- Removal of a 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. 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. ***Work in progress as of 02-17-2016, not complete as of this report.***

New rain gauge has been installed at the project site.
Monitoring and self-inspection reports have been placed on site.

Reported by: Wayne Watkins, CPESC



Slope construction to be extended outward to the right of the photo with storm drainage pipe installation and extended fill down slope. Additional clearing required and the slope lengthened required per plans. **Construction surveying / staking for the proposed work is required in these areas.**



Drainage improvement re-construction discussed with the Contractor at intersection of Eamon Drive and Devon Ridge Road. Changes to the ditch line on the right to be considered. **Additional erosion control sediment fence is required below slopes in these areas.**



Area in Project 2 to be repaired by Dalziel Enterprises. Repairs required by NCDEQ.



Sediment fence repairs to be corrected by Site Development Corp. Repair all damaged sediment fence project wide in areas that are not fully stabilized.



Remove damaged sediment fence and re-vegetate the disturbed areas by seeding and mulching.



Finalize the cleanup work required by NCDWR and restore the area by seeding and mulching.



Stabilize the areas by seeding and mulching. Stabilize the ditch line by seeding and matting.



Repair damage drop inlet protection devices project wide. Repair rock check dams and ditch line wattles project wide.