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## ENGINEER'S CONSTRUCTION OBSERVATION REPORT

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Project: Queenø Gap projects	Project Number: 2013-002
Contractor: Site Development Corporation	Contact at Site: as noted.
Date: 08-01-2016 & 08-05-2016	Weather Conditions: Soils conditions vary.
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:

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### Observations & Notes:

Site inspection for Project 3 and 5 areas:

Project 5 ó Site Development is working on repair of areas in the upper part of Project 5 roadbed following recent rainfall. New rock check dams have been added in the area of construction at approx. Station 27+00. The proposed wall section has not been started at time of inspection.

- Clean existing rock check dams and provide sediment storage and clean stone at outlets.
- Stabilize ditch lines and repair areas where matting is damaged.
- Provide vegetation in all ditch lines, shoulders and slope areas.
- Clean sediment fence and restore to working condition.

Project 3 ó Vegetation needs to be established in all ditch lines, road shoulders and slopes project wide.

Project 3 roadwork ó Additional work on erosion control repair is needed on roads recently paved in Project Three - (Labras Drive). Problems in the ditch lines and shoulders needs to be addressed. Areas adjacent to new asphalt paving are undercutting and gully erosion is occurring.

- Clean rock check dams and repair to working condition with sediment storage capacity and clean stone at outlets.
- Repair ditch line wattles to working condition.
- Repair matting in ditch lines, shoulders and slope areas.
- Seeding on many new slope construction areas has died out. Re-seeding in the fall growing season is recommended.

Project 6 & 7 ó Site Development has started clearing and grubbing areas for Project 6 & 7 roadways.

General road construction requirements: Site Development to address road cross-section widths in areas where the current widths are less than the required minimum width of (27ø). Provide (19ø) wide CAB stone base course ó (6ø) compacted depth for all road construction areas. Road shoulders to be minimum of (2ø width) and ditch lines to be (min. 4ø wide x 12ø depth). Road grade not to exceed 18% and all paved surfaces to be constructed inside of the platted right-of-way.

Seeding specifications ó Seeding on the project areas needs to be amended to include; Kentucky 31 Tall Fescue, Serecia Lespedeza, German Millet, Clover. Areas previously seeded may require fall topdressing and seeding with the mixture stated in this report. Seeding specifications delivered to Rick Connor 06/21/2016.

Re-inspection on 08-05-2016 with representatives from Rutherford County and David Odom. Site conditions vary following (4.5ø) rain. Erosion control measures are full in many areas and maintenance is required. Maintenance is being performed in Ph. 1 roadways for drainage. Pr. 2 & 3 areas require additional work on shoulders and ditch lines by Dalziel Enterprises.

NCG010000 self-monitoring report is attached.

Reported by: Wayne Watkins, CPESC



Drainage channel with new rock check dams constructed and cleanup work at drop inlet structure recently completed by Site Development Corp.



Eamon Drive ditch line, shoulders and slope areas may require re-seeding in the fall growing season. The seeding mixture previous addressed in the report should be used for all project seeding.



Project 5 conditions following 08-03-2016 rainfall. Maintenance required.



Project 5 area. Maintenance required.