

August 27, 2014

Ms. Elizabeth Werner  
Hydrogeologist  
NC Department of Environment and Natural Resources- DWM  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

**RE: Phase 2A Cell 2 Subgrade Certification  
Wake Reclamation, LLC - Brownfield Road CDLF- Permit No. 92-31  
Raleigh, North Carolina**

Dear Ms. Werner:

On behalf of Wake Reclamation, LLC (a subsidiary of Waste Industries USA, Inc.), I am pleased to submit this letter for subgrade certification for the Brownfield Road C&D landfill (Permit No. 92-31) in Raleigh, North Carolina.

On August 19, 2014, I visited the Brownfield Road C&D landfill to inspect the subgrade in the 4.4 acre Phase 2A Cell 2 portion of the site. On the day of inspection, I found soil types were consistent with those encountered during drilling (primarily silty sand/sandy silt and PWR above bedrock). Bedrock was identified during permitting; however subgrade and cell construction was engineered to be above bedrock with the required 4 feet of vertical separation.

During construction two rock outcrops were identified on the northern side slope. Using equipment available, the proposed subgrade elevations could not be reached in these areas. During construction, it was determined the outcrops were bedrock. These outcrops were covered with soil and the subgrade has been adjusted to reflect the new base grades for this area. Approximate locations are shown on **Figure 1**. As-built and construction drawings will be included in the CQA report.

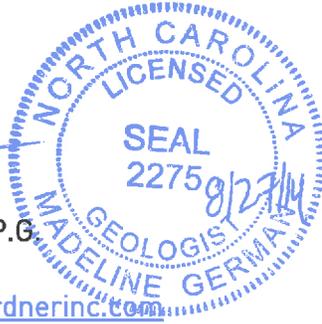
Based on my observations, I certify that the subgrade soils are materially consistent with the soil types found during the site investigation.

Ms. Werner  
August 27, 2014  
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Should you have any questions or require clarification, please contact us at (919) 828-0577 or by email below.

Sincerely,  
**SMITH GARDNER, INC.**

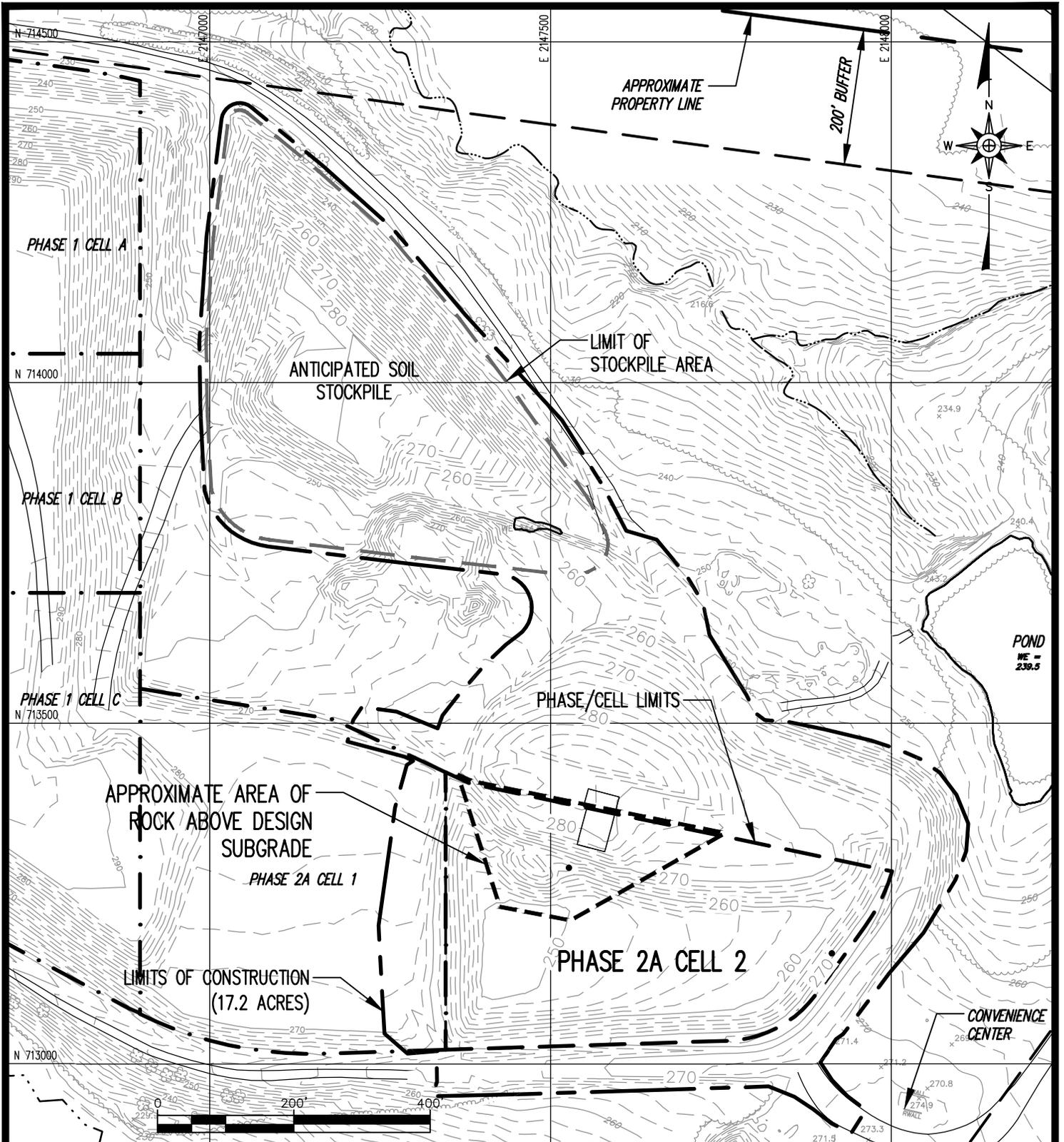
  
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cc: Donald Plessinger, Waste Industries  
David Pepper, Waste Industries  
File

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PREPARED FOR:

**WAKE RECLAMATION, LLC**  
**BROWNFIELD ROAD C&D LANDFILL**  
**PHASE 2A CELL 2**  
**AREA OF ROCK ENCOUNTERED**

PREPARED BY: \_\_\_\_\_ NC LIC. NO. C-0828 [ENGINEERING]

**SMITH+GARDNER**

14 N. Boylan Avenue, Raleigh NC 27603 | 919.828.0577

DRAWN:	APPROVED:	SCALE:	DATE:	PROJECT NO.:	FIGURE NO.:	FILE NAME:
J.A.L.		AS SHOWN	Aug 2014	BROWNFIELD 14-1	1	WI-A0964