



December 11, 2019

Certified Construction Services  
9820 US Highway 301 North  
Lumberton, North Carolina 28360

Attention: Mr. Terry Locklear

Re: Gospel Tabernacle Church - Repairs  
3711 NC Hwy 55  
Dunn, North Carolina 28334  
ECS Project Number 33:4989

Gentlemen:

ECS Southeast, LLP (ECS) has been contracted to evaluate the bearing of soils for the foundation footings for the church referenced above. On September 20, 2019, ECS evaluated the bearing capacity of soils via hand auger/dcp method to a depth of 3 foot below the designed bottom of footing elevation. DCP blow counts ranged from 2 to 6 blows per increment and did not appear to be suitable to support the design bearing capacity of 2000 psf. Soils encountered were soft/wet and posed potential differential settlement issues.

ECS recommended over excavating the perimeter footings to a depth of 3 foot below the bottom of footing elevation and backfill using a #57 stone or properly placed and compacted structural fill. ECS was notified that #57 stone was selected due to the distance from any local borrow pit. On September 26, 2019, ECS returned to the site to confirm the footings were properly excavated to the recommended depths. While onsite ECS observed the imported #57 stone being stock piled until the final excavation procedures could be performed.

Based on our observations, the imported #57 stone was observed onsite and was deemed suitable for the repairs to the foundation footings. The stone appeared to be placed within recommended locations and up to the desired footing elevation. There will be no further inspections regarding the foundation repairs required at this time.

Best Regards,  
**ECS SOUTHEAST, LLP**

*Ryan H. Parrish*  
Ryan Parrish  
Project Manager



*Dennis Lowery*  
Dennis Lowery, P.E.  
Principal Engineer