PARR ENGINEERING
& CONSULTING, INC.

Christopher L. Parr, P.E. Principal
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Office: 719-494-0404 Cell: 719-659-1313

June 28, 2018 JN 18.001

Reference: 16110 Dalie View, 80928

OPEN HOLE CONFIRMATION REPORT

This letter is written as an OPEN HOLE CONFIRMATION to a soils report published by Parr Engineering & Consulting, Inc. dated Janury 12, 2018; JN: 18.001. A representative of Parr Engineering & Consulting confirmed the soil conditions on Monday, June 18, 2018. The excavation for the proposed residence was complete at the time of our visit.

The soil conditions were determined to be consistent with the published soils report for the above referenced site. **A maximum allowable bearing pressure of 2000 psf is valid for the native soil conditions.** All construction activities shall proceed in accordance with the recommendations and requirements within the published soils report.

Floor System Recommendations

Floor Slabs should be provided with control joints to reduce damage that may occur as a result of shrinkage cracking. We suggest the spacing of the joints to be no more than 15 feet centers. The actual joint spacing should be based on the slab reinforcing design.

Foundation Wall Backfill

The onsite excavated materials may be used as foundation wall backfill. Backfill shall be placed in 12" maximum uniform lifts and compacted to 90% Modified Proctor Dry Density at optimum moisture content. Care should be taken not to overcompact the backfill since this could cause excessive lateral pressure on the walls. Some settlement of deep foundation wall backfill may occur even if the material is placed correctly.

Surface Drainage

The following drainage precautions should be observed during construction and maintained at all times after the residence has been completed.

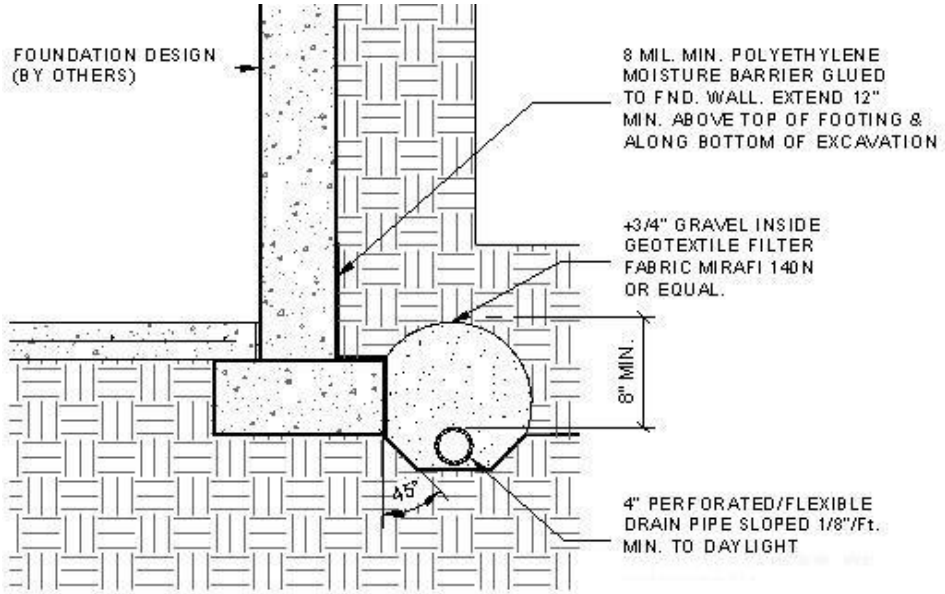
1) Excessive wetting and drying of the foundation excavations and underslab areas should be avoided during construction.
2) The ground surface surrounding the exterior of the building should be sloped to drain away from the foundation in all directions. We recommend a minimum slope of 12 inches in the first 10 feet.
3) All downspouts shall be directed across backfill and discharge away from the foundation system.
4) Landscaping which requires excessive watering should be located at least 10 feet from the house.

5) Plastic membranes should not be used to cover the ground surface adjacent to the foundation walls.

Subsurface Drainage

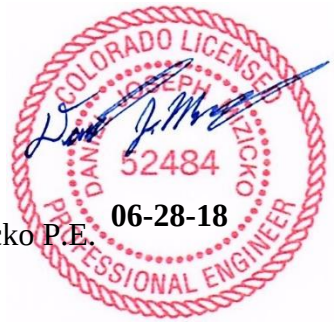
A subsurface foundation drain or equivalent protection measure is required around the perimeter of all habitable or storage spaces located below grade (including crawlspace areas).

A subsurface drain is designed to redirect moisture around and away from the foundation system. However, it should be noted that a properly functioning drain does not completely eliminate the potential for foundation movement if exposed to subsurface moisture.



If you have any questions please feel free to contact our office at 719-494-0404.

Sincerely,



Daniel J. Mizicko P.E.

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Structural Engineering & Consulting
Geotechnical Engineering
Percolation Testing & Septic Design
Inspections & Technical Reports

July 07, 2018 JN 18.001

Reference: 16110 Dalie View, 80928

FOOTING INSTALL CERTIFICATE

This letter is written to document activities pertaining to a residential project taking place at the location referenced above. Please note the following:

A representative of Parr Engineering & Consulting, Inc. confirmed the conditions on 07/07/18. The placement of the footing formwork and required reinforcement has been completed.

It has been determined that all footing formwork and reinforcement has been placed in accordance with the foundation design specifications.

If you have any questions please feel free to contact our office at 719-494-0404.

Sincerely,

Christopher L. Parr, P.E.
Principal

COLORADO LICENSED
CHRISTOPHER LEE PARR
42756
PROFESSIONAL ENGINEER
07-07-18