



Gose & Associates

ENGINEERING • PLANNING • LAND SERVICES

Preliminary Drainage Study

522 North Perkins Road
Stillwater, OK

Background

This 3.4-acre site was previously used as a mobile home park with approximately 30 units. Each of those units was approximately 800 square feet for a total roofed area of 0.55 acres.

The property lies within Zone X as identified by F.E.M.A. maps. FIRM #40119C0068F Dated 05/16/2007 and is immediately adjacent to a mapped floodplain on Boomer Creek to the west.

Future Development

The objective of the project is to create an RV park with gravel pads and grassed yards. The park will consist of 47 pads, a dog park, and a refurbished community center building. The parking pads will be an engineered gravel section with compacted subgrade, geotextile fabric, and a 4-inch layer of open graded aggregate.

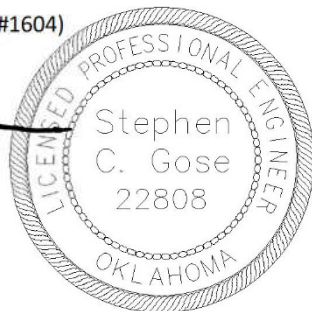
Conclusion

It is our belief that the gross area will be more pervious with the gravel pads as opposed to the metal roof structures and any stormwater will be allowed to run across the full length of the property as opposed to being directed to the impervious roadway. In addition, the proximity to the floodplain will help to get this stormwater into and thru the system prior to a peak design event from upstream; therefore no detention should be required.

Should you have any questions please feel free to contact me at 405.743.4907

Sincerely,
Gose & Associates (CA #1604)

Stephen C. Gose, P.E.
Project Manager



06/11/2021