

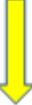
## Lake McMurtry Disc Golf Parking Lot: Pervious Pavers



### Legend

 Disc Golf Parking Lot (80' x 80')

 20' culvert w/concrete approach (15' x 20')

 Latitude & Longitude: 36.183274, -97.175158



**Introduction:**

Lake McMurtry was developed in the 1970's to serve as a flood control reservoir, water supply, and a public recreation area. Lake McMurtry is roughly 1,200 acres with an additional 2,000 acres surrounding the lake. Lake McMurtry Natural Resource and Recreation Area is dedicated to enhancing, promoting, and operating in a sustainable manner while providing high quality outdoor experience for the benefit of the public.

Currently, there is no permanent parking lot for our two Disc Golf Courses. Lake McMurtry is looking to install an 80' x 80' pervious paver parking lot with a 20' culvert and a 15' x 20' concrete approach. This project will create a permanent parking lot, filter contaminants from vehicles before reaching the lake, and reduced erosion of our Yellow Hiking/Biking Trail.

**Project Location:**

Lake McMurtry is located in south-central Noble County, Oklahoma. Exact project location is as follows in Latitude & Longitude: 36.183274, -97.175158.

**Project Purpose:**

Currently, there is no permanent delineated parking lot at our disc golf parking area. Current parking area is simply an area of grass that is repeatedly mowed throughout the summer. Purpose of this project is to install a permanent pervious paver parking lot, which will serve many purposes. Installing a pervious paver parking lot will reduce the amount of fuel being used for mowing purposes, filter any contaminants from vehicles before reaching the lake, collect rain water and store it until infiltration can occur, and help reduce erosion to our Yellow hiking/biking Trail. Parking lot will also allow for parking of 10-20 vehicles at once, this will keep cars from parking in other areas and allow for better functionality of the park.

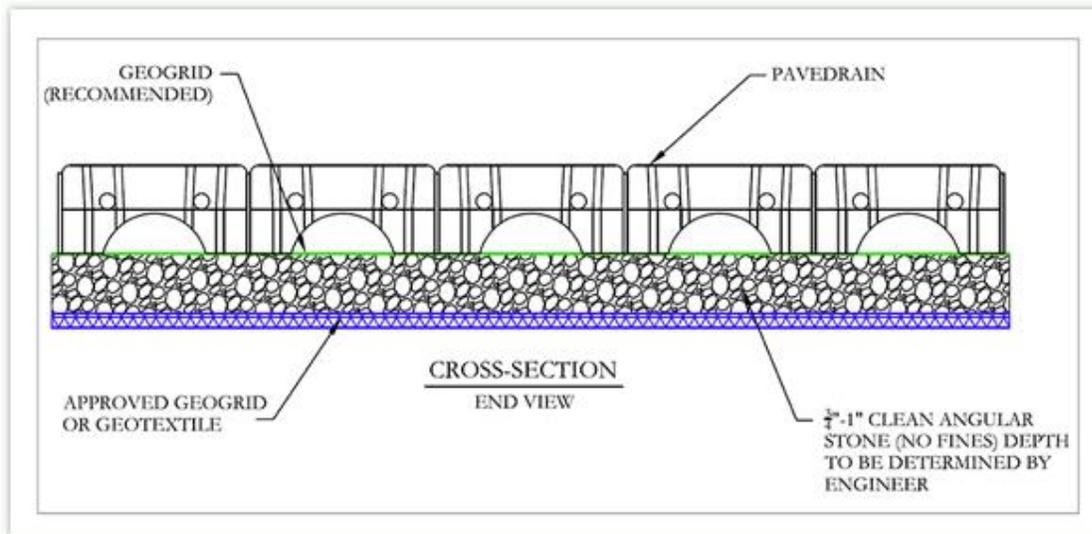
**Project Timeline:**

Timeline for construction of the pervious pavers parking lot will be April-July, 2017.

**Project Description & Function:**

Pervious paver parking lot will be 80' x 80' with a 20' culvert and 15' x 20' concrete approach onto the pervious pavers. See map for visual illustration. For the 80' x 80' lot there will be 6"-12" excavation of the site to prepare for fabric and gravel (excavation depth is dependant on soil perk test). After excavation a geotextile fabric will be laid on the subgrade to keep gravel and soil from mixing. Once geotextile fabric is laid, gravel is then brought in and put down in layers and compacted. Gravel depth will be dependant on soil perk test, this will allow for proper infiltration. Once gravel is in, pavers will be laid on the gravel base and locked together. Once pavers are in place they will filter contaminants from vehicles before entering the lake, serve as water storage until infiltration occurs, and keep erosion to a minimum across our

Yellow Hiking/Biking Trail. Once installed our parking lot will be clearly marked and be able to hold 10- 20 vehicles. Signs will be put up for the parking lot along with an explanation of the functionality of the pervious pavers system. See diagram below for visual representation of how pervious pavers are installed.



**Alternatives:**

- **No Action:** Continue to repeatedly mow the area
- **Alternative #1:** Pervious Pavers: Install pervious pavers
- **Alternative #2:** Gravel Non-pervious Parking Lot