



FREEDOM BY DESIGN
TEXAS A&M

FREEDOM BY DESIGN 2019 PROJECT

Cherie Cotner

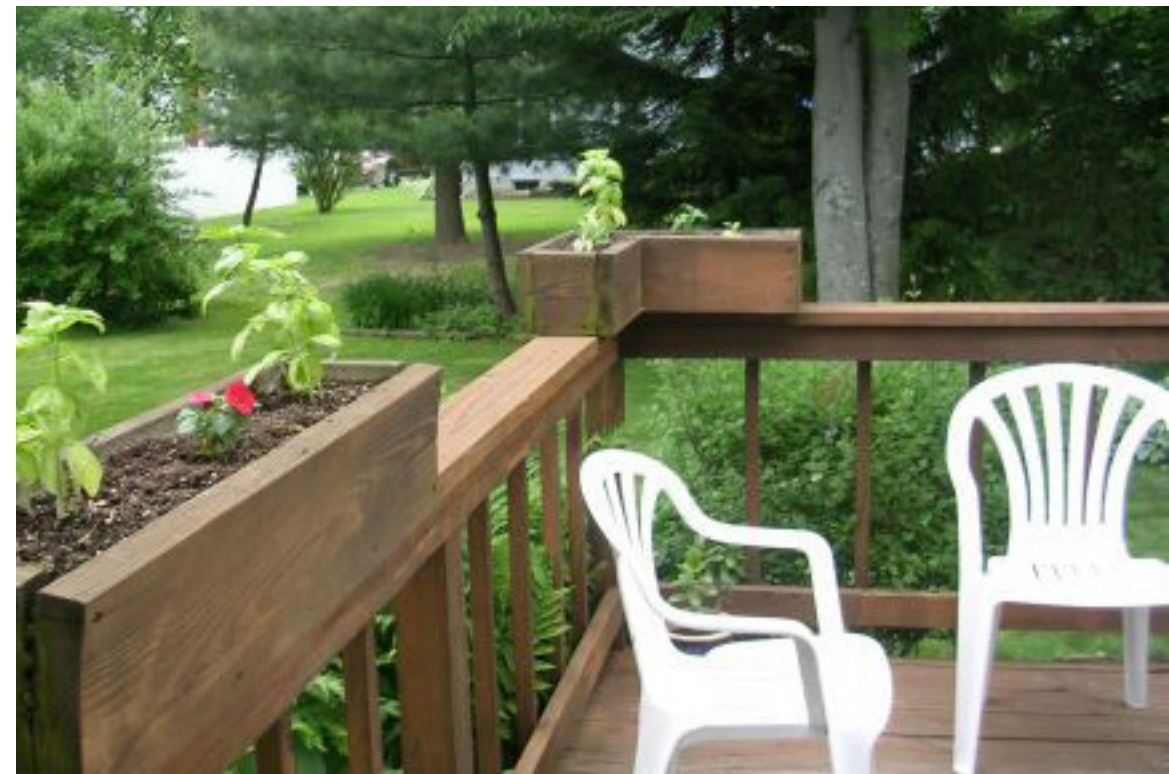
Cherie is a quadriplegic living in College Station. Her house is located in the Post Oak Forest, where she is linked to a community of homes. Currently, her house is not suiting her needs to be able to move about freely in her wheelchair. Her back porch was not designed with her needs in mind, and a portion of her driveway that connects to the front of her home lacks any ramps to allow her to use the facilities located there. In addition to these issues, her service dog is growing older and cannot get up on to her bed by itself anymore. We chose Cherie as our client because we have seen the need to make her home completely accessible for her to be able to live just like anyone else.

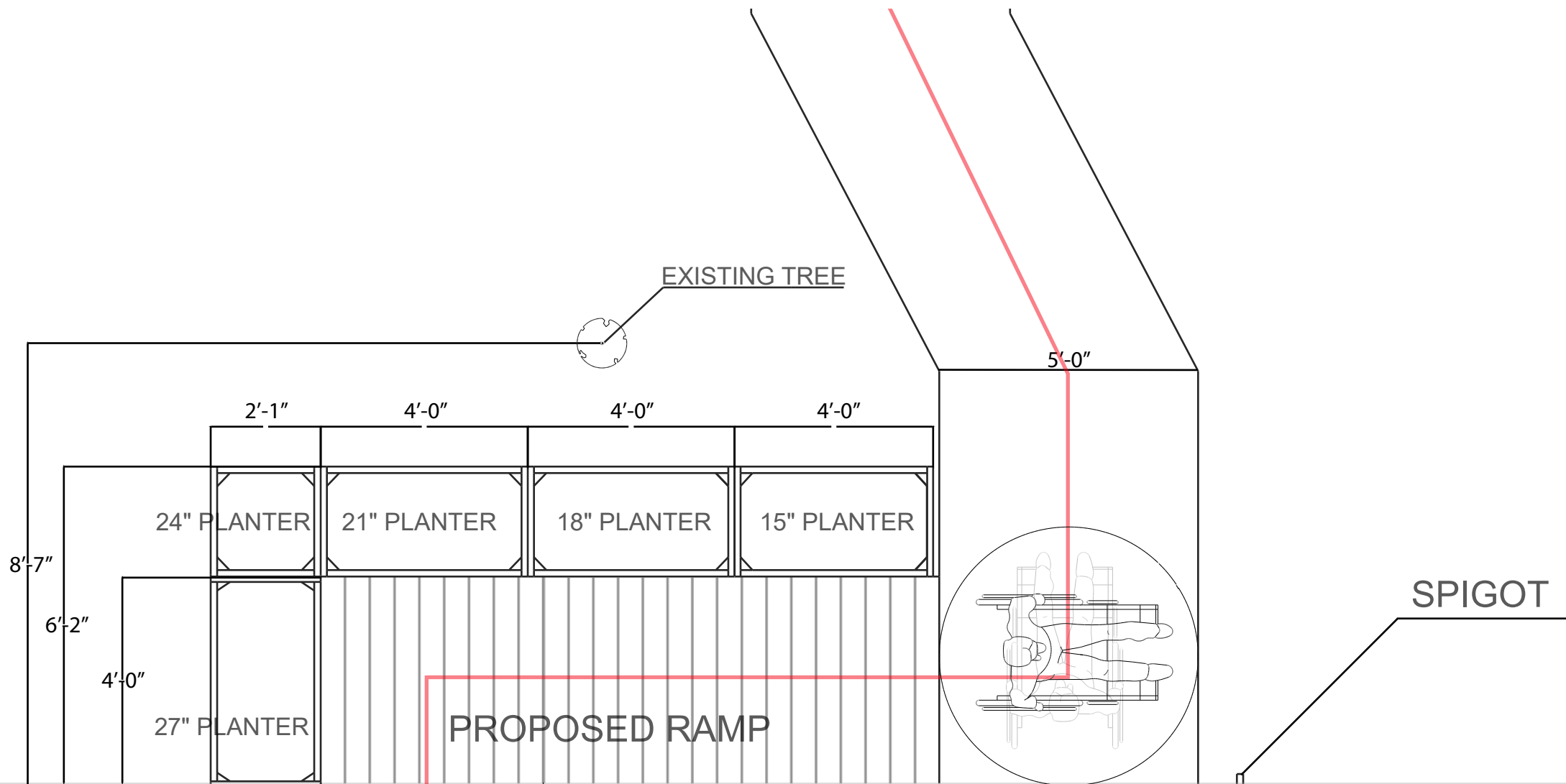
The project entails rebuilding her back porch to have a suitable ramp and planters, making a trail from her back porch to the existing paths in her community, creating a small ramp for the front of her house, and building a set of stairs for her service dog.

This will allow her to have full mobility of her home as well as her connection to her service companion.









01PLAN | EXTERIOR RAMP
1/32 SCALE

	Material	Amount	Price /ea	Total
	Wood			
	2x4x8	45	3.27	147.15
	2x4x10	12	5.57	66.84
	2x6x8	13	5.98	77.74
	2x6x12	2	9.57	19.14
	2x8x8	3	8.88	26.64
	2x8x10	4	10.67	42.68
	Gravel			0
	Marble Chips	440	4.28	1883.2
	Grand Total			2263.39