

Drainage Pipe 300 Blk

Stan Hayes <stan@HayesEngineering.net>

Thu 2/29/2024 6:14 PM

To:Eric Powell <Powell.Eric@marshalltexas.net>;

 1 attachments (113 KB)

Draft CO#1 - Marshall Redev 300 and 400 blk N Washington.pdf;

Eric,

I have confirmed that the smooth wall 15" HDPE pipe has an equivalent capacity to the existing 18" brick and mortar pipe. Neither has the capacity to carry the 25 yr event from the roof area much less the streets and sidewalks. The sidewalk is basically flat from the north end to the south end. It is approximately 260 from end to end. I would recommend at least a 0.5% slope if possible. The capacity would be in the 2.5 cfs range when flowing full and the 25 yr from the roofs is 7 cfs. There is also additional drainage coming down Burleson thru the curb inlet. I have attached the draft change order from the original request. I will adjust when we get the new items/cost.

I called Casey and Dustin but haven't spoken with either.

Stanley Hayes, P.E.
Hayes Engineering, Inc.
2126 Alpine Road
Longview, Tx 75601
Firm #F-1465
(903) 758-2010 Ex 22
stan@hayesengineering.net

