

Bill Lyon

From: Kent Monter
Sent: Friday, July 29, 2011 4:09 PM
To: McGhee, Dan
Cc: Bill Lyon; David Lohe
Subject: RE: La Fuente Special Pavement Section over HDPE pipe

Dan –

No approval of modification or request of a waiver from the City is required. This is a private improvement that we technically do not have direct authority over, however it is an improvement that indirectly impacts our infrastructure or could be a future issue in the drive isle of a new development, therefore we appreciate your inquiry and opportunity to comment. From our perspective, it is our engineering opinion that you have adequately addressed potential issues (i.e. pipe floating and traffic weight distribution) that might arise from the inadequate cover. The only comment that we have is that it is noted that the special concrete section does not extend all the way across the drive isle width. As I understand it, the section currently is shown to extend to a point where adequate minimum cover is reached. You may want to give yourself a little extra length so that you have, as you stated, a construction tolerance. Thanks again for checking in.

*Kent D. Monter, P.E.
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From: McGhee, Dan [<mailto:Dan.McGhee@hdrinc.com>]
Sent: Friday, July 29, 2011 2:25 PM
To: Kent Monter
Subject: La Fuente Special Pavement Section over HDPE pipe

Kent,

Per our phone conversation, please find attached a PDF containing a plan view and detail view of a proposed special pavement section for a portion of the 36" HDPE pipe at La Fuente.

The current site grading, which matches the design drawings, allows for approximately 5" of cover from the outside of HDPE pipe to the bottom of asphalt section. In order to improve current conditions to meet manufacturer's minimum suggested cover depths, a concrete section with asphalt cap is proposed. Suggested minimum cover over an HDPE pipe with rigid concrete is 12", measured to the top of the concrete. The curb elevations at the north end of the island are proposed to be raised 2" to be able to provide the special section.

Please advise if this modification is acceptable to the City. The storm pipe and curb inlet have been installed, and the subgrade is cut to rough grade.

Thanks,
Dan McGhee, P.E.
Project Manager
HDR | Archer