



Transmittal

If enclosures are not received as noted below,
please call sender or Woolpert at 630.693.6322

Date: 11/23/16

Re: TXRH - West Chester

To: Teresa Barnes
Design Engineer
Butler County Storm Water
District
1921 Fairgrove Avenue,
Hamilton, Ohio 45011

Order Number: 075566.99

Shipped
Via: UPS
overnight



We are sending you

☒ Shop Drawings ☒ Samples ☒ Specifications ☒ Plans ☐ Change Order
☒ Other _____

Copies	Date	No.	Description
1	11/23/16		Full-size civil plans
1	11/23/16		Stormwater Management Calculations
1	11/23/16		Response Letter

Please call 630-693-6326, if any additional questions.

Thank you,

Signature: Brian Iwaniuk



November 23, 2016

Teresa Barnes
Design Engineer
Butler County Storm Water District

RE: Texas Roadhouse – West Chester Ohio
7313 Kingsgate Way, West Chester Township, OH

Dear Ms. Barnes

In reference to the above mentioned project, we have received the comments dated November 15, 2016, and have worked to address the concerns. The following are your comments and our disposition to those comments.

1. 1. Sheet C300 (grading plan) indicates that the invert for structure 1.10 - the rate control structure is 860.47. The detail on Sheet C601 says the invert for "outlet A" is 860.0; Then in the Storm Water Management Calculations provide a proposed detention storage table - and that indicates that the outlet invert is 859.75. Then the proposed Detention Basin Release Rate table has the invert back at 860.0; Therefore, I would have assumed that the invert for the rate control structure out of the basin would be 860.0; unfortunately, the next 2 structures downstream have inverts of 860.42 and 860.15. The pipe system reaches an invert of 860.0 about half way between structure 1.12 and 1.13. Please double check both the drawings and report and revise accordingly.

Response: *Revised as requested. Please refer to sheet C300.*

2. The existing storm system at the entrance from Kingsgate Way does not appear to match our records. While I see the structure that you are planning on tying into on the aerial photo - the system records that I have been able to located indicate that the pipe goes under Kingsgate Way from the existing catch basin that is in the center of the current driveway. I will try to get out to the site tomorrow to see what I can verify. In any case, the largest pipe size that I have on record is 24-inches. You are currently proposed to tie in a 27-inch pipe. It is not usually approved to construct a larger pipe upstream of a smaller pipe. Should we decide that this is necessary, we will need to document why this was done and why it could not be done any other way AND that the downstream system can handle the flow of water. It might be best to consider downsizing the pipe to a 24-inch and documenting that the site removes most of the water from the existing 24-inch pipe that runs along the north of the property, therefore, we are not adding any additional flow of water to the downstream system.

Woolpert, Inc.
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Response: Revised as requested. The outlet pipes from the detention basin are proposed to be 24" pipes. Autodesk SSA output data demonstrating that the 24" pipes have adequate capacity for the maximum flowrate from the detention pond (resulting from the 100-year 24-storm in developed conditions) have been included with the Stormwater Management Calculations report.

If you have any additional comments please do not hesitate to contact me at my office at (630) 693-6314.

Sincerely,

Brian Iwaniuk
Woolpert, Inc.