

BLACKWELL ENGINEERING, PLC

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April 16, 2014

Dan Rublee, PE
City Engineer
City of Harrisonburg
409 South Main Street
Harrisonburg, VA 22801

Re: Harrisonburg City Hall

Dan,

The following responses are provided to your comment letter of February 20, 2014 for the above referenced project:

Engineering:

- E-11 Wall is now referenced on Sheet 2 and 3.
- E-25 Responsibility of the pavement markings and signage is now covered in Note 44, see Sheet 2.

Erosion & Sediment Control:

- ES-1 The ESC Narrative has been revised.
- ES-2 The calculations packet was submitted with both the first and second submittals. I am at a loss as to what else is needed on this issue. If there are particular issues with the calculations let me know, I can come down to the Community Development office to go over in person. We are reducing the total flow and volume leaving the site by reducing the impervious area by approximately 18.4%.
- ES-4
 - a. ST-1 added to Phase 1, item 3 (2 and 3 switched from previous submittal), Sheet .
 - b. Phase 1, items 2 and 3 reversed in the Site Phasing Schedule. Also old item 6 was merged into new item 2.
 - c. Item 4 has been updated to better reflect phasing sequence needed.
 - d. BMP reference has been removed from ESC Schedule on Sheet 4

Stormwater Management:

- SW-2 The Bioretention notes and details have been updated on Sheet 6 and the basin grading updated on Sheet 3.
- SW-5 The storm flow from structure 2 has now been routed to the existing storm structure 4 behind 409 S. Main Street. This reduced the flow in the pipe system across the rear HEC parking lot to a point where flooding does not occur during the 10 year event.

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SW-8 Structure 6 will intercept 100% of the street flow. The calculations were corrected for this structure. Also the storm table on Sheet 3 adjusted to make more readable.

Water & Sewer:

- W-2 Water service changed to a City Std 1.5" meter on a 2" service. Note 28 on Sheet 2 has been revised as well as Water Lateral Design Table.
- W-4 Public Utilities is now referenced, Sheet 2, Note 31.
- W-6 A Water Service Table has been updated as requested, see Sheet 2.
- W-13 Label added to Sheet 2 specifying the use of restrained joint pipe.
- W-15 The tap location has been moved to give more distance for trust block.
- W-16 All seven crossing are now shown in the sewer profile, see Sheet 3.
- W-17 All six crossing are now shown in the water profile, see Sheet 3.
- W-18 The hydrant construction phasing was discussed with Chief Shifflet. The hydrant along Main Street can be built as part of Phase 2.
- W-19 a. Updated Engineers Report.
b. Updated Engineers Report.
- W-20 Fire Hydrant off Main Street has been moved in order to provide better separation.

Zoning:

- Z-1 The only proposed parking less than 10 feet from a property line already has a fence along the property line.
- Z-2 Only the eastern portion of the alley is to be closed at this time. The western half is to remain open.
- Z-3 e. parking islands sizes have been labeled.
f. three bushes have been added to the western parking islands.
- Z-4 The grades get too tight for handicap parking in moving the parking island as suggested. The eastern most handicap parking space being a terminus of a parking bay has been discussed with the City Managers Office, internal communication between Manager's Office and Community Development should be forthcoming.
- Z-5 One large and four smaller trees added along South Main Street frontage, see Sheet 6.
- Z-6 Green areas within 30' of parking area and % green space is now shown on Sheet 6
- Z-7 The number of trees and shrubs for the landscaped areas is now shown on Sheet 6.

Electricity (HEC):

HEC-1 The transformer has been moved closer to the driveway.

If there are questions regarding this proposal, please let me know.

Respectfully,



Edmond H. Blackwell, PE

Attachments:

3 sets of plans with calculations

