

PUBLIC WORKS ENGINEERING DIVISION

Inspection Summary

Permit #: PRPWFR20171746, Public Works Infrastructure Permit - Residential
Manor at Stoney Creek 2nd - street, storm, sewer and water

Address:

This work has been inspected and the inspection results noted below. Please call for re-inspection once all corrective actions have been completed. Do not cover any work until approved.

Inspection Item:

Inspection:	Inspector:	Outcome:	Date:
DEI-Punch List Inspection	Brice Lawson	Partial	Thursday, July 19, 2018

Resolved

- 1 Submit 3 year maintenance bonds for the streets (including subgrade), storm sewers, sanitary sewers and water lines that are associated with this permit. The maintenance bonds should go in affect when the Cert. of Substantial Completion is issued.

Brice Lawson 06/25/2018 11:12 AM

The three year maintenance bond has been submitted and copy can be found under documents and images in CityView.

Corrective Action Required

- 2 Submit an executed Final Affidavit and Agreement Form

Corrective Action Required

- 3 Recieve approval for the record drawings that have been submitted

Resolved

- 4 Submit compensation for the after hours inspections that were performed. Inspection fees - 14.5 hours @ \$47.22/hr = \$684.69.

Brice Lawson 06/14/2018 12:10 PM

Payment received.

Corrective Action Required

- 5 Remove all trash and debris

Corrective Action Required

- 6 Properly install the 36" of permeable soil and plantings in the permanent detention basin as shown on the plans

Corrective Action Required

- 7 Complete the installation of the rip rap in the permanent detention basin where it will tie-into the proposed permeable soil.

Resolved

- 8 Make proper corrections to achieve proper drainage where the curb is holding water for a length of approx. 35' in the eastbound curb located on Merryman near STA. 7+10

After the curb was removed and replaced in this area, the curb and part of the asphalt pavement is still holding water. I asked Dan Harper to take a look at this as I was still concerned with the street and curb holding water. Dan sent the following email.

Brice –

After reviewing the conditions in the field we are accepting the curb as constructed. It will need to be reviewed at the conclusion of the maintenance bond period to make sure that it is still structurally sound (non-crack etc.) and has not experienced excessive settlement worsening the condition.

Corrective Action Required

- 9 Make proper corrections to the leaning stop sign at Grindstone and Merrman.

Brice Lawson 07/19/2018 2:19 PM

On 7/19/18 the stop sign, street name signs and post appear to have been ran over by a vehicle at this location.

Make proper corrections to the signs and post.

Corrective Action Required

- 10 Properly restore the existing yard that was disturbed during the construction of the water main and curb at 4432 SW Lodestone Dr

Corrective Action Required

- 11 Remove the asphalt spoils and properly stabilize the NW corner of Alabaster and County Line. Area has been marked with paint.

Corrective Action Required

- 12 Complete grading up to the top of the back of the curb and finish grade the NW and NE corners of Grindstone and County Line Rd. Areas have been marked with paint

Corrective Action Required

- 13 Finish grade and establish proper vegetation where the off-site sanitary line A was installed outside The Reserve at Stoney Creek 3rd Plat.

Corrective Action Required

- 14 Properly install the end of road markers at the north end of SW Lodestone Dr

Corrective Action Required

- 15 Permanent vegetation has not been established at all disturbed areas of the site. Properly grade, seed and stabilize these areas as needed to achieve proper vegetation.

Corrective Action Required

- 16 Install ESC devices below the large rock and soil stock pile to control erosion

Corrective Action Required

- 17 Properly stabilize the areas where the stumps were removed along Pryor Rd

Corrective Action Required

- 18 ved The pedestrian access route that crosses Grindstone at Merryman has a cross slope that is greater than the maximum allowable slope of 2.0%. Make proper corrections to achieve the proper cross slope. Sidewalk closed signs will be required if the sidewalk is installed on the corner lots prior to proper corrections to the pedestrian access crossing Grindstone.

Brice Lawson 06/07/2018 2:15 PM

On 6/6/18 Superior Bowen milled and filled an area of asphalt approx. 43' by 12' at the pedestrian access route. The area was milled to a depth of approx. 2". A tack coat was applied to the base. The base temp. was 120 degrees and the APWA type three surface temperature was 270 degrees.

The contractor used a bobcat with a miller attachment. It appears that the bobcat tires caused the surface of the asphalt to ravel in different areas around the patch.

Superior left a mess in the road and curb that needs to be cleaned up.

Corrective Action Required

- 19 Make proper corrections to the grading north and east of the temporary cu-de-sac where it does not appear to be graded per the plans. The grade is rough with erosion. The developer plans to complete this work on the future phase.

Corrective Action Required

- 20 Make proper corrections to the damaged 36" HDPE storm pipe located between CI 6-2 and FES 6-1. The developer plans to complete this on the future phase.

Corrective Action Required

- 21 Maintain ESC devices

Corrective Action Required

- 22 Remove ESC devices once proper vegetation is established

Corrective Action Required

- 23 Following a review of the overall detention basin and a comparison of the design drawing and detention study, there appears to be discrepancies particularly in the (calculated) 100-year water surface elevation. Make proper corrections to the detention basin if determined necessary.

Informational

- 24 Brice Lawson 06/29/2018 11:57 AM

I sent the following email to Travis Ruff with Summit Custom Homes.

Travis,

I wanted to send a reminder that we are approaching 40 days of the 90 day time period to complete the punch list items. I understand that things occur that may make it a challenge to complete some items in the 90 day time period. We can look at these items on a case by case basis. Also, the permanent detention basin currently has a depression which is

allowing water to stand in the bottom of the basin. I understand that there are revisions required to the basin.

I would like to stay on top of the punch list completion. I am requesting a list of the completed punch list items that includes the timeframe for when the permanent detention basin construction will be completed.

Feel free to contact me with any questions.

Thank you,

DEI-Erosion Sediment Control Brice Lawson
(ESC) Inspection

Partial

Thursday,
July 19, 2018

Corrective Action Required

1 Brice Lawson 07/10/2018 3:33 PM

Make proper corrections to the ESC devices at the field inlets where debris is partially blocking the weir openings.

It appears silt is leaving the permanent detention basin and collecting in the HDPE outlet pipe and outlet structure. The lower 4" orifice in the outlet structure may be blocked. Properly remove the silt and add proper ESC devices to control erosion. I recommend getting with the design engineer to see what ESC devices are necessary to control erosion.

Informational

2 Brice Lawson 07/12/2018 11:34 AM

I met with Travis Ruff and RE with Redford Construction to discuss the corrections to the partially clogged FI weirs and the removal of the silt from the outlet pipe and outlet structure at the permanent detention basin.

They plan to replace the silt fence with straw waddles at the field inlets and perform maintenance to the rock checks that surround the field inlets to allow for proper drainage.

They plan to remove the silt from the outlet pipe and outlet structure.

Travis Ruff plans to get with the design engineer to see what ESC devices should be installed to control erosion where silt is leaving the permanent detention basin.

Informational

3 Brice Lawson 07/19/2018 2:13 PM

The corrections to the ESC have not been completed.

I spoke to RE with Redford Construction and he plans to have his crew remove the site fence from around the field inlets, install gutter buddies and perform maintenance to the rock checks that surround the field inlets to allow for proper drainage. He also plans to have the silt removed from the outlet pipe and outlet structure at the permanent

detention basin.

Comments:
