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**PUBLIC WORKS ENGINEERING DIVISION**

## Inspection Summary

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

Address:

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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.

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Inspection Item:

Inspection:	Inspector:	Outcome:	Date:
DEI-Water Line - Construction Inspection	Brice Lawson	Partial	Friday, December 08, 2017

Informational

- 1 Brice Lawson 11/10/2017 11:30 AM  
Redford installed 40' of 8" C900 water main with tracer wire and water line marker tape. The line appeared to be installed at least 42" from current grade. The pipe was bedded in clean rock. This line was installed on water line 1 from approx. STA. 11+48 to approx. STA. 11+88. The line was being backfilled in lifts. The trench was opened up over 48" wide and KC Testing was on site to perform compaction testing.

Informational

- 2 Brice Lawson 11/10/2017 2:57 PM  
Redford installed 40' of 8" C900 water line on water line 1 from STA 3+25 to STA. 3+65. Tracer wire and bury tape have been installed with this water line.

Informational

- 3 Brice Lawson 11/13/2017 11:47 AM  
Redford installed the 8" C900 water line with tracer wire for water line 1 from approx. STA. 0+29.17 to STA. 1+39.99. The Tee fitting has been installed at STA. 1+39.99.

Informational

- 4 Brice Lawson 11/13/2017 2:46 PM  
Redford installed the 8" gate valve on line 2 near STA. 0+00. Approx. 74' of C900 water line has been installed from STA. 0+00 to approx. STA. 0+74. Tracer wire has been installed with this pipe and utility marker tape is being installed in the trench. Two vertical 45 degree bend fittings have been installed with rebar loops around the fittings. The rebar loops have been installed in a thrust block below the 45 degree fittings. KC Testing is on site to observe compaction testing for the water line. The DI fittings have been wrapped in 12 mil poly wrap and the T bolts have been sprayed with an undercoating.

A thrust block has been installed on the 45 degree bend fitting on line 1 at STA.0+95.15.

MCIB WA610 concrete was used for the thrust blocks.

Informational

5 Brice Lawson 11/14/2017 1:23 PM

Redford installed an 8" Clow gate valve just west of the Tee fitting located at STA. 0+00 on water line 2. A 1' piece of C900 was installed between the valve and the tee fitting. A thrust block has been installed on the tee fitting. A tracer wire has been installed over to the tee fitting.

Informational

6 Brice Lawson 12/08/2017 8:00 AM

Redford has installed the 8" water main for water line 1 from approx. STA. 3+65 to approx. STA. 10+00. The majority of this line has been backfilled. The areas that have not been backfilled show that the pipe is being bedded in clean rock, the tracer wire has been installed and the marker tape is being installed. It appears that the pipe is at least 42" deep. The Tee fittings have been installed for both of the fire hydrant sets on this run of pipe.

It appears that the 8" water main has been installed from approx. STA. 2+10 to approx. STA. 5+13. It appears that the line is being bedded in clean rock, tracer wire has been installed and marker tape has been installed. The majority of this line has been backfilled. A thrustblock has been installed behind the tee fitting at STA. 2+92.5. It appears that the pipe is at least 42" deep at the areas that have not been backfilled.

Informational

7 Brice Lawson 12/08/2017 3:08 PM

The 8" water main for line 1 has been installed from approx. STA. 10+10 and connected on the east side of Grindstone where it was previously installed under grindstone. The Tee fitting and 2 gate valves have been installed on the east and south side of the Tee fitting. A thrust block has been installed behind the tee fitting. The DI fittings appear to be wrapped and the tracer wire has been installed. A thrust block has been installed behind the Tee fitting at STA. 8+36.84 on line 1. A thrust block has been installed behind the tee fitting for the hydrant assembly shown at STA. 4+61.84. When I measured the distance of this tee fitting to the back of the curb on Alibaster, it appeared that the tee fitting is 5' east of where it scales on the plans. I let Darren with Redford know about this and he said that the Tee was installed according to the survey stakes provided.

DEI-Curb New/Replacement Brice Lawson

Failed

Friday,  
December  
08, 2017

Corrective Action Required

1 Brice Lawson 12/08/2017 8:34 AM

Replace approx. 12' of curb at lot 52. The curb is broken and has been marked with white

paint. Remove and replace the section of curb from contraction joint to contraction joint as marked.

Corrective Action Required

- 2 Brice Lawson 12/08/2017 3:24 PM  
Replace approx. 11' of curb on the northbound lane of Grindstone just south of Merryman. The curb is cracked. Replace from joint to joint as marked.

DEI-Curb New/Replacement Brice Lawson Failed Friday,  
December  
08, 2017

Corrective Action Required

- 1 Brice Lawson 12/08/2017 8:34 AM  
Replace approx. 12' of curb at lot 52. The curb is broken and has been marked with white paint. Remove and replace the section of curb from contraction joint to contraction joint as marked.

DEI-Erosion Sediment Control Brice Lawson Failed Friday,  
(ESC) Inspection December  
08, 2017

Corrective Action Required

- 1 Brice Lawson 12/05/2017 10:55 AM  
The curbs and pavement have been installed and the inlet protection has not been installed. Install inlet protection as shown on the plans. Install the silt fence as shown on sheet C.051 of the approved plans.

Corrective Action Required

- 2 There are problems with the erosion control devices on your site.  
Brice Lawson 12/08/2017 8:15 AM  
The straw waddles that have been installed at the curb inlets are already falling apart. Remove and install proper gutter buddies at the inlets as shown on the approved plans. Install a cinder block between the gutter buddy and the front face of lid to allow for proper drainage. You may want to talk with the engineer to get a detail of proper inlet protection.

Stabilize all inactive areas of this site and install slope protection per the City of Lee's Summit Design and Construction Manual.

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Inspection December  
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**Comments:**

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