LEE'S SUMMIT
MISSOURI

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-Storm - Sewer Construction Inspection	Brice Lawson	Partial	Thursday, January 18, 2018

Informational

1 Brice Lawson 11/10/2017 11:35 AM
Redford has installed CI 4-1, CI 4-2, CI 4-3 and CI 4-4. The 15" HDPE storm pipe has been installed between CI 4-4 and CI 4-3. The 18" HDPE pipe has been installed between CI 4-3 and CI 4-2. The 24" HDPE pipe has been installed between CI 4-2 and CI 4-1. The remainder of the 24" HDPE storm pipe has been installed between CI 4-1 and FI 2-5. There is approx. 30" of clearance between the existing 12" water main and the 24" storm pipe at the water main crossing on storm line 4. This crossing is just north of FI 2-5. The exterior collars have been installed on CI 4-1 and CI 4-2. The exterior collar on the west pipe at CI 4-4 has been installed. The north pipe collar and invert have been installed at FI 2-5. The west exterior pipe collar has been installed at CI 2-1. The concrete lids have been installed on FI 2-3, FI 2-4 and FI 2-6.

Informational

2 Brice Lawson 11/14/2017 1:36 PM
Redford installed CI 4-5 and the 15" HDPE storm pipe from CI 4-5 to CI 4-4. The invert and east exterior pipe collar has been installed at CI 4-4. The west pipe collar and invert were being installed.

Informational

3 Brice Lawson 11/15/2017 10:27 AM
Redford is cutting into the west side of the existing City FI on Storm line 1. The hole is being made to accept a 42" storm pipe.

Informational

4 Brice Lawson 11/16/2017 11:25 AM
Redford has installed the FI 1-1 and they are installing the 42" HDPE storm pipe between FI

1-1 and FI 1-2.

Informational

5 Brice Lawson 11/17/2017 11:53 AM

Redford has installed the 42" HDPE storm pipe on storm line 1 from approx. STA. 0+15 to approx. STA. 4+25. FI 1-1 has been installed. The outlet structure has been installed for the detention basin. The 36" HDPE pipe has been installed from the detention basin to FI 1-1. The 24" HDPE pipe has been installed from the outlet structure to the FES located in the detention basin.

The pipe collars have been installed on the three pipes at FI 1-1.

There is a conflict with the 42" storm pipe and an existing 12" water main on storm line 1 at approx. STA. 4+25. This is where the 12" water main crosses the proposed 42" storm pipe.

Redford was removing part of the floor and west wall of the existing FI located at STA. 0+00. This is being done to connect the proposed storm pipe and to install a new invert.

Informational

6 Brice Lawson 12/29/2017 10:19 AM

Redford has removed approx. 180' of 42" HDPE storm pipe that was installed west of field inlet 1-1. There is still approx. 2' of pipe connected to FI 1-1. Plywood has been installed in front of the open end of the pipe. This area has been backfilled to finish grade. The removal of this pipe was approved by Gene Williams in an email. The pipe is to be removed and grade the swale from the existing 30" culvert at Pryor Rd to the weir opening at FI 1-1.

Informational

7 Brice Lawson 01/04/2018 3:35 PM

Darrin with Redford informed me that the storm sewer installation is near completion for this site. I began a post construction inspection of the storm structures.

Informational

8 Brice Lawson 01/04/2018 3:38 PM

I continued the post construction inspections of the completed storm sewer structures.

Informational

9 Brice Lawson 01/08/2018 4:03 PM

I continued to perform post construction inspections of the storm sewer system that has been installed.

Informational

10 Brice Lawson 01/18/2018 4:15 PM

I continued to perform a post construction inspection of the storm structures on this site.

Redford Construction installed 5/8" epoxy coated rebar in the exterior of the west wall of FI 1-1. The hole that was in the west wall for the 42" pipe has been filled with concrete. This created a plug to seal up this hole.

DEI-Storm - Sewer Construction Inspection	Brice Lawson	Failed	Thursday, January 18, 2018

Corrective Action Required

1 Corrections need to be made to the Storm Sewer
Brice Lawson 01/18/2018 4:34 PM

Remove excess concrete from the openings of all curb inlets

The 36" storm pipe between FES 6-1 and CI 6-2 appears to be seperated and squashed. Make proper corrections. This may have been damaged during road construction.

CI 6-2 Remove lift cables

CI 6-3 Grout the front corners of lid at the inlet frame

CI 6-4 Grout the front corners of lid at the inlet frame

CI 6-5 Grout the front corners of the lid at the inlet frame

FI 3-2 Remove lift cables, grout lid so it does not teeter

JB 3-1 Remove paint from the lid

FI 3-3 Grout the lid so it does not teeter, grout pipe collars, add a step, remove lift cables, align the concrete lid with the structure

FI 3-4 Align the concrete lid with the structure, remove lift cables, grout gap at corners where lid meets the structure, grout collars

FI 3-5 Remove lift cables, grout the lid at the corners, align the concrete lid with the structure walls

FI 8-1 Align the concrete lid with the structure walls, remove the lift cables and the debris fromt the weir openings

FI 5-6 Remove the lift cables, align the concrete lid with the structure, grout corners where lid meets the structure, grout the collar, remove debris from the weir openings

FI 5-5 Add a step, grout collars grout corners so the concrete lid does not teeter, remove lift cables align the concrete lid with the structure, remove debris from the weir openings

CI 5-4 Replace the damaged step, remove the anchor bolt from the wall, finish grouting the lid, install the invert bench to guide the water thru the turn

CI 5-3 Remove the lift cables, replace the cover with the proper cover

JB 5-2 Remove paint from the lid, fill the voids and grout collars

Outlet Structure Remove lift cables, grout lift holes, align the lid with the structure walls, grout lid to structure joint, add steps, align the top and bottom structure sections

CI 4-5 Remove lift cables, add a step, remove debris

CI 4-4 Add a step

CI 4-3 Remove anchor bolt from the wall

FI 2-6 Align the concrete lid with the structure, remove lift cables and grout collar

FI 2-5 Grout concrete lid so it does not teeter, align the concrete lid with the structure, grout collar, align steps, remove lift cables

FI 2-4 Add steps, remove lift cables, align the concrete lid with the structure

FI 2-3 Remove lift cables, grout collars, align the concrete lid with the structure

Comments: