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-Erosion Sediment Control (ESC) Inspection	Brice Lawson	Partial	Tuesday, March 06, 2018

Corrective Action Required

1 Brice Lawson 03/06/2018 11:52 AM
It appears that there is silt entering the storm pipes from the field inets that are north of Merryman Ln. It appears the silt is built up in the storm pipe for storm line 1. It appears that there is silt leaving the detention basin and collecting in the outlet pipe and the outlet structure. It appears more ESC measures need to be installed around the FI's to control erosion. Make proper corrections.

It appears that more ESC devices need to be installed on the east side of the permanent detention basin. It appears that the slope is being washed and silt is entering the outlet pipe.

Repair any ESC that needs to be repaired.

DEI-Storm - Sewer Construction Inspection	Brice Lawson	Partial	Tuesday, March 06, 2018

Partial Correction

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
RESOLVED BL

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

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

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

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

JB 3-1 Remove paint from the lid
RESOLVED BL

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
RESOLVED BL

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

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

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

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
RESOLVED BL

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
RESOLVED BL

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
STEP NOT COMPLETE AS OF 2/27/18

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

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

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
RESOLVED BL

CI 4-4 Add a step
RESOLVED BL

CI 4-3 Remove anchor bolt from the wall
RESOLVED BL

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

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
RESOLVED BL

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

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

Informational

2 Brice Lawson 02/27/2018 12:24 PM
Redford informed me that the corrections have been made to the storm structures so far. I re-inspected the storm structures for lines 3, 6, 8 and part of line 5. I will mark off the corrections on the original inspection at a later time.

Corrective Action Required

3 Corrections need to be made to the Storm Sewer
Brice Lawson 03/06/2018 11:42 AM

CI 2-1-Remove access HDPE pipe that extends into the CI. fill the lift holes and remove the silt/debris from the invert so it can be inspected.

Existing FI on storm line 1-Remove the silt and water so it can be inspected. It appears that the concrete invert has been washed out. Make proper corrections.

FI 1-1 - Remove the silt from the structure so it can be inspected

Outlet structure - Remove the silt from the outlet structure

DEI-Grading/Excavation/Fill Inspection	Brice Lawson	Partial	Tuesday, March 06, 2018

Informational

1 Brice Lawson 12/21/2017 11:38 AM
Moisture and density test results have been submitted for the water main trench backfill for water lines #1 and #2. It appears that all of the tests passed.

Informational

2 Brice Lawson 08/09/2017 2:45 PM
Spalding Excavating began digging the temporary sediment basin. They are stipping and stock piling the top soil on the central part of the site. I spoke with Jason regarding the detention basin and he plans to build it after the cut is made in that location.

Informational

3 Brice Lawson 08/17/2017 10:02 AM
Spalding has roughed in the detention basin in the southwest corner of the site. They are performing a fill in the south portion of the site. They have roughed in the temporary sediment basin located on the north edge of the site.

Informational

4 Brice Lawson 08/17/2017 3:45 PM
Spalding began stockpiling large rock and dirt west of the temporary sediment basin.

Informational

5 Brice Lawson 09/01/2017 3:42 PM
Spalding continues to grade outside the ROW. They were grading, filling and compacting the sump areas north of future Merryman Dr.

Informational

6 Brice Lawson 09/05/2017 11:01 AM
Spalding is grading the area north and east of the permanent detention basin. A sheepsfoot compactor is being used on parts of this area.

Redford is removing and hauling excess dirt that is left over after the major grading was completed east of SW Stoney Creek Dr. This grading was performed after sanitary line A and U were installed. The excess dirt is being hauled and stock piled on the west side of the site north of proposed Merryman Dr.

Informational

7 Tom Chandler 09/15/2017 11:11 AM Backfill on sanitary sewer main being placed today. No testing has been done today. If testing lab can make it to site today they will backfill (3) roadway crossings.

Informational

8 Brice Lawson 11/15/2017 10:30 AM
A crew is using a blade and a scraper and has began final grading and shaping of the proposed road subgrade on Merryman Ln and Amethyst Dr.

Informational

9 Brice Lawson 11/21/2017 11:33 AM
The road subgrade on this project has some areas that appear to be too wet. The contractor has scarified the entire road width on Amethyst north of approx. STA. 2+00 to approx. STA. 3+60. Areas on Merryman are being removed and replaced with soil that appears to be dryer.

Resolved

10 Brice Lawson 11/27/2017 3:40 PM
The existing City FI that storm line 1 connects to is holding approx. 1.5 feet of water. There is a CMP that runs from this FI and eventually daylights at a FES on the south side of County Line Rd. The FES is under water and it appears that the ditch below this FES is higher than the FES. This is causing the water to back up and hold in the pipes and storm structures that are above it. Dawn pointed out in an email to Gene and myself that a caveat should be that if the upstream is impacted negatively a fix would have to be provided.

Brice Lawson 03/06/2018 8:52 AM
The City has met with Engineering Solutions and Summit Custom Homes and it has been decided that the existing ditch south of County Line will be left as is. Engineering Solutions has submitted a drawing of the offsite storm drainage sheet that has been signed. No offsite grading will be completed at this time as the HGL stays within the system with the tailwater condition modeled.

Informational

11 Brice Lawson 12/29/2017 10:25 AM
Redford backfilled the existing 12" water main at the tie-in location on Alibaster at County Line Rd. This was done to insulate the water main as the forecasted temperatures appear to be cold.

Informational

12 Brice Lawson 01/31/2018 12:07 PM
Thomas with Redford requested a list of items that need to be done to the grading in order for the Cert. of Substantial Completion to be issued. I inspected the site this morning and came up with a list to go over with Thomas in a meeting tomorrow.

Informational

13 Brice Lawson 02/01/2018 1:34 PM
I met with Travie Ruff, Redford Construction and Spalding Excavating on site to discuss the grading. Thomas had requested a list of things that need to be completed in order for a

Cert. of Substantial Completion to be issued. I let them know the things that I think need to be done. Travis does not want to improve the grading or stabilize the site east of the temporary cul-de-sac as this site will be developed soon. I will follow up with Dan to discuss.

DEI-Sidewalk Inspection	Brice Lawson	Failed	Tuesday, March 06, 2018

Corrective Action Required

1 Brice Lawson 03/06/2018 12:27 PM
JK Concrete Construction installed approx. 20' of sidewalk on the east side of Alabaster south of lot 45. The sidewalk was not installed on a bed of 4" aggragate. Remove and replace the sidewalk and install it on a bed of compacteed aggregate as shown on the plans.

Comments: