

**PUBLIC WORKS ENGINEERING DIVISION**

# Inspection Summary

Permit #: PRSUBDPWFR20171420, Development - Subdivision

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:

<b>Inspection:</b>	<b>Inspector:</b>	<b>Outcome:</b>	<b>Date:</b>
DEI-Stabilized Subgrade	Brice Lawson	Partial	Wednesday, April 11, 2018

Informational

- 1 Brice Lawson 03/05/2018 11:03 AM  
Precision is installing the geogrid on meadowbrook ln. It appears that the geogrid is being installed 1' behind the proposed curb. It appears that the seams of the geogrid are being overlapped. It appears that the base rock is being installed in two lifts. The plans call for 10" of base rock under the road. They have installed one lift so far and plan to get compaction tests on the first lift prior to installing the second lift. They have used AB3 on the west half of meadowbrook ln. I checked with Dan Harper to see if it is acceptable to use AB3 instead of modot type 5 aggregate base. He is fine with using the ab3.

Informational

- 2 Brice Lawson 03/06/2018 10:02 AM  
Precision is installing the geogrid and base rock on Nautilus Pl south of Meadowbrook Dr. They are installing the 10" of rock in two separate lifts. Each lift is being tested by KCTE. Precision let me know that the moisture density testing has been completed on the top 6" of the subgrade and the tests were acceptable. They let me know that the locations where the fills were installed previously by Gradeco have been spot excavated to take moisture/density testing. This was done so that Precision could move forward with construction as the compaction tests results from when Gradeco originally placed the fill are not available at this time.

Informational

- 3 Brice Lawson 03/06/2018 2:54 PM  
Precision continues to install the baserock on Nautlius south of Meadowbrook. It appears that the first lift has been installed. They are in the process of grading the first lift in the south cul de sac and grading the second lift on the stem of the road. Precision let me know that KCTE testing is continuing to test the base rock lifts.

Informational

4 Brice Lawson 03/08/2018 12:20 PM

Precision has began installing the geogrid and base rock for on Nautilus north of Meadowbrook. The first layer of base rock is being installed. The geogrid is being overlaped at the seams. It appears the geogrid is being installed 1' behind the proposed curb. I spot checked the subgrade where the proposed back of curb will be and it appears that the proper amount of base rock can be installed. KCTE testing is on site and they have performed compaction testing on the subgrade and they said the tests are all passing and at or above 95% compaction.

Informational

5 Brice Lawson 03/09/2018 3:10 PM

Precision is installing the second and final lift of base rock on Nautilus north of Meadowbrook. They are using a grader to grade the material and compacting the rock with a smooth roller. KCTE Testing is on site performing compactions tests and they said the tests are passing.

Resolved

6 Brice Lawson 04/09/2018 2:33 PM

Some of the compaction test results for Meadowbrook show that a recycled aggregate was used. I spoke to Jake with Precision and Eric Howard about this. Eric Howard is looking into see if there is a seive analysis of the recycled aggregate. He is suppose to get back with me.

Make proper corrections to the base rock if requiered based on what is determined in regards to recycled aggregate being used instead of the required base rock material.

Brice Lawson 04/10/2018 11:25 AM

No corrections are required at this time. Eric Howard with KCTE Testing let me know that KCTE performed a proctor on the for the recycled aggregate to use for the compaction testing of the base rock. I met with Dan Harper on site and we discussed the base rock. I will let Precision know that in the future they must use the base rock material that is shown on the plans. A proof roll will be done on the aggregate base course prior to the installation of curb and asphalt.

DEI-Sanitary Sewer  
Construction Inspection  
Corrective Action Required

Brice Lawson

Partial

Wednesday,  
April 11, 2018

1 A main inspection has uncovered the following problems.Brice Lawson 04/05/2018 11:26 AM

Sags and debris have been identified in the following sanitary line segments. Make proper corrections to these line segments. Coordinate inspections with the inspector for this site.

Sag @ 90' to 97' form MH 62-208 to MH 62-207  
Debris @ 97' to MH 62-207

Sag @ MH 62-208 to 8'

Sag @ 190' from MH 62-208 to MH 62-209

Sag @ 286' to 292' from MH 64-168 to MH 64-167

Sag @ 238' to 244' from MH 64-168 to 64-167

Complete mandrel testing and infiltration/exfiltration testing on the line segments that the sags were repaired 30 days after backfill completion.

Informational

2 Brice Lawson 04/06/2018 12:13 PM

Precision is working on repairing the sags between MH 64-168 and MH 64-167. They have excavated down to the pipe and raised it about a 1/4" and chocked in the rock under the pipe at one of the sags and installed bedding rock over the pipe. KCTE Testing is on site to perform compaction testing of the trench backfill.

Informational

3 Brice Lawson 04/07/2018 2:43 PM

Precision is working on repairing the sags in the sanitary line segments. The two sags between MH 64-168 and MH 64-167 have been repaired. The trenches have been backfilled. KCTE Testing is on site performing compaction testing. John let me know that the tests are at least 95% for the trench backfill.

Precision has excavated down to the sag just north of MH 62-209. They are in the process of repairing the sag. The pipe has been covered with clean rock after the sag was repaired. They shined a flashlight in the pipe and discovered there is debris at this sag location.

Corrective Action Required

4 A main inspection has uncovered the following problems.

Precision noticed debris in the sanitary line segment between MH 62-209 and MH 62-208. The debris is approx. 8' north of MH 62-209.

Flush the line and remove the debris.

Informational

5 Brice Lawson 04/09/2018 1:15 PM

Precision has finished repairing and backfilled the sag @ 190' from MH 62-208 to 62-209.

They have repaired the sag @ MH 62-208 to 8'. They have began backfilling and KCTE Testing is on site. Eric with KCTE Testing let Precision know that three tests for this backfill have failed due to moisture content and compaction. They plan to make proper corrections.

Precision is excavating the trench to repair the sag at 90' to 97' from MH 62-208 to MH

62-207.

Informational

6 Brice Lawson 04/10/2018 11:31 AM

Precision has repaired the sag @ 90' to 97' from MH 62-208 to MH 62-207. A water main pipe was encountered that crossed this trench during this repair and the contractor said they bedded the water line with clean rock prior to covering. The pipes have been covered but the trench has not been backfilled.

Informational

7 Brice Lawson 04/11/2018 8:29 AM

The excavation to repair the sag @ 90' to 97' from MH 62-208 to MH 62-207 was backfilled on 4/10/18. I spoke with KCTE Testing on site and they let me know that the compaction test were passing and the fill was installed in 8" compacted lifts.

The sag excavation @ MH 62-208 to 8' is being backfilled now. KCTE Testing is on site and performing compaction testing. It appears that the backfill is being installed and compacted in lifts.

Video footage of the sanitary video inspection was loaded onto a thumb drive at the contractors request. I gave the thumb drive to Precision.

Corrective Action Required

8 Brice Lawson 04/11/2018 8:34 AM

The sanitary line marker tape has not been installed at some of the sag repair locations. The only sag repair location that the marker tape was installed is at the sag locations between MH 64-167 and MH 64-168. I brought this up to Precision and they plan to come back and install the marker tape at a later time.

Properly install the marker tape at the sag repair locations.

**Comments:**

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