



INSPECTOR'S DAILY REPORT

City of Lake Forest Park - Staunton Cove Short Plat

Daily Information	
Inspector's Name:	Michael Maranan Date: 10/31/2016
Inspector's Shift Hours:	8 a.m. to 5 p.m. - Periodic
Weather:	a.m.: 52±°F, rain p.m.: 57±°F, mostly cloudy
Prime Contractor:	Universal Land Construction Company
Representative & Title:	Mike Johnson, Project Manager
Contractor's Work Activity	
Location of Work:	Site (18623 40th Place NE)
Description of Work:	Construction of On-Site Storm Drainage Detention System

Inspection			
Time	What was inspected?	In Conformance?	Comments / Action
-	Detention system for storm	-	<ul style="list-style-type: none"> Detention system is comprised of 96-inch CMP, typically 20-footlong sections (except for the three 10-footlong sections at the west end). Only the first three end sections to the east were placed today.

Inspection	
Diary	
Time	Discussion
9:00 AM - 12:20 PM	<p>Approximate time of arrival on site was 9:00 AM. Craig Thompson (foreman, Universal Land) with four other workers (pipe crew) were on site. The pipe crew was busy uncovering the west end of the recently installed control structure (CB-2 on plans), the connection point of the detention system.</p> <p>The Deere 470G track hoe was used in excavation for the storm detention system construction; the Deere 225D track hoe was also working over the stockpile material for haul-off. The Deere 605C track loader and Deere 135G track hoe (with compaction plate attachment) were also used briefly.</p> <p>The following were observed:</p> <p>9:00 AM - Excavation for the construction of the three rows of detention pipes was ongoing.</p> <ul style="list-style-type: none"> - Inspector noted the materials delivered on site. <ul style="list-style-type: none"> o Type: Aluminized Steel Type 2 corrugated pipe (CMP). o Diameter: 8 feet (96 inches), as per the approved plans; <ul style="list-style-type: none"> 4-foot diameter built-in risers at the (6) end pieces; 3-foot diameter built-in pipe connectors at the (6) end pieces. o Lengths: 10-foot sections (west end pieces only) x 3 20-foot sections (incl. east end pieces) x 12 <p>11:30 AM - Crew used an automatic level to determine the elevation of the detention sub-grade. Sub-grade appears to be non-yielding.</p> <ul style="list-style-type: none"> - A temporary well casing (12-inch PVC riser/pipe) was placed at the southeastern corner of the excavation.



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- 11:40 AM - Bedding material was added and carefully leveled prior to placement of pipes.
- Gas truck was on site at this time.
- 12:30 PM - The east end section of the middle line was placed and connected to CB-2. This connection point to CB-2 has yet to be grouted.
- 1:10 PM - The east end section of the southern line was placed and connected to the middle line.
The pipe-to-pipe connection was typically rubber-gasketed prior to tightening the CMP bands.
- 2:00 PM - The east end section of the northern line was placed and connected to the middle line.
- 2:30 PM - Inspector was coordinating with the Mike Johnson (contractor's project manager) and John Forba (PACE) earlier regarding the deviation from the submitted and approved pipe bedding and backfill material per manufacturer's recommendations. The foreman intends to place bedding and backfill as per the standard detail for metal pipes by WSDOT, which is also acceptable.
- 12:30 PM - The middle CMP section was placed and connected. With grout work yet to be done, the trench was only partially filled, and the foreman plans to provide safety measures around it. Inspector left the site.

The following TESC items have also been noted:

1. **Discharge:** No discharge - surface water was infiltrating on site.
Approximate amount of precipitation since last inspection: 6.2± inches*
Approximate amount of precipitation in the past 24 hours: 0.3± inch*
* Based on nearby rain gauge as recorded by King County.
2. **Construction Entrance:** OK.
3. **Perimeter protection:** OK.
4. **Tree protection:** OK.
5. **Silt fence:** OK.
6. **Inlet protection:** OK.
7. **Stabilization of exposed soils:** OK.
8. **Dust control:** OK.
9. **Source control:** OK.

The storm drainage pipes used were 96-inch diameter CMP. These pipes comply with the 2009 King County Washington Surface Water Design Manual as adopted by the City of Lake Forest Park.

Pea gravel was used as pipe bedding material and structure base material; sand was used as trench backfill material. The materials were compliant with the 2016 Standard Specifications for Road, Bridge and Municipal Construction by WSDOT. Proper depth and cover within the pipe zone were also per the WSDOT Standard Plan B-55.20-00 for metal pipes.

Michael Maranan

(Inspector's Printed Name)

Signature

10/31/2016

Date

City of Lake Forest Park - Staunton Cove Short Plat

Subject: Storm Detention System

Location: Site

Comment:

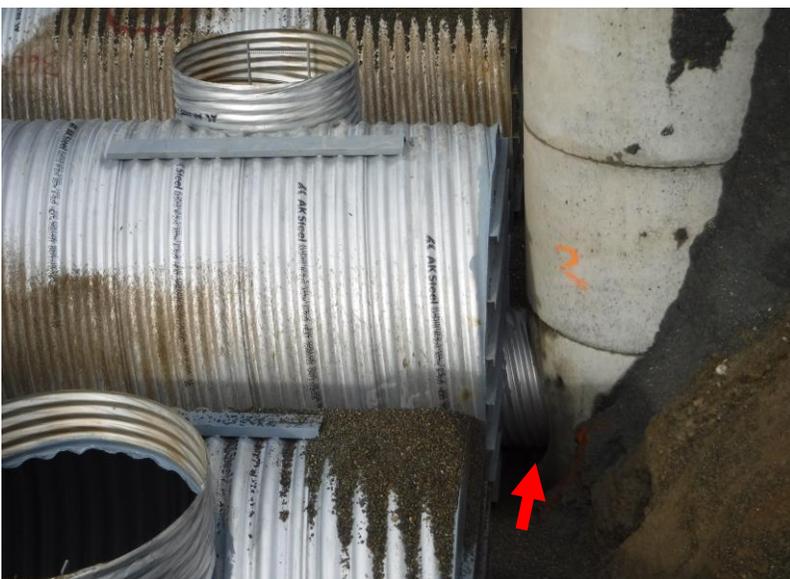
- (1) Rubber gasket around the built-in 36-inch diameter pipe connector prior to placement and connection of the pipe at the south end. A temporary well casing (12-inch riser pipe shown on the bottom left corner of the picture) was placed on the southeast corner of the excavation. Approximately half a foot of bedding was placed and carefully leveled prior to pipe placement.
- (2) Band placed and tightened to connect the two sections.
- (3) Detention system pipe connection to CB-2 has yet to be grouted.



(1)



(2)



(3)